CROOKSTON SCHOOL DISTRICT

402 FISHER AVE, SUITE 593
CROOKSTON, MN 56716
JOB NO. 19-023 | 04/28/16

ICON
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LIST OF ABBREVIATIONS

	LIST OF ABBREVIATIONS DESCRIPTION
A/E	ARCHITECT/ENGINEER
AC	ALTERNATING CURRENT
ACI	AMERICAN CONCRETE INSTITUTE
ACM	ASBESTOS CONTAINING MATERIAL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WIDISABLITIES ACT
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING REF. AND AIR CONDITIONING ENGINEERS
ASI	ARCHITECTURAL SUPPLEMENTAL INSTRUCTION
AWI	AMERICAN WOODWORKING INSTITUTE
BCS	BABY CHANGING STATION
BD	BOARD
BLDG	BUILDING
BM	BEAM
BO	BY OWNER
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BTU	BRITISH THERMAL UNITS
BUR	BUILT UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CBB	CEMENT BACKER BOARD
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CMU-B	CONCRETE MASONRY UNIT (BURNISHED)
CMU-G	CONCRETE MASONRY UNIT (GLAZED)
CMU-S	CONCRETE MASONRY UNIT (STANDARD 8"x8" SCORED)
CO	CLEAN OUT
CONC	CONCRETE
CONC-S	SEALED CONCRETE
CPT	CARPET
CPT-AS	CARPET -ANT-STATIC
CPT-ESD	CARPET -ELECTROSTATIC DISCHARGE
CPT-T	CARPET TILE
CS	CAST STONE
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	COUNTER
CUH	CABINET UNIT HEATER
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DOC	DOCUMENT
DR	DOOR
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
EA	EACH
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATOR/ELEVATION
EP	EPOXY PAINT
EQ	EQUAL
EQUP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFE	FURNITURE, FIXTURE, AND EQUIPMENT
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FND	FOUNDATION
FRP	FIBERGLASS REINFORCED PANEL
FRT	FRY REGLET REVEAL TRIM
FTG	FOOTING
FWC	FABRIC WALL COVERING
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS/ GLAZING

LIST OF ABBREVIATIONS

	LIST OF ABBREVIATIONS DESCRIPTION
GWB	GYPSUM WALL BOARD
HB	HOSE BIB
HCP	HANDICAP
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORZ	HORIZONTAL
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
JAN	JANITOR
LAM	LAMINATE
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAS	MASONRY
MB	MARKER BOARD
MBH	MOP/ BROOM HOLDER
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MH	MANHOLE
MIR	MIRROR
ML	MATCHLINE
MTL	METAL
MTL STD	METAL STUD
MTLP	METAL PROFILE TRIM
NC	NON COMBUSTIBLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OSB	ORIENTED STRAND BOARD
OTS	OPEN TO STRUCTURE
OWB	OPERABLE WALL PANEL
PB	PARTICLE BOARD
PC	PRECAST
PLAM	PLASTIC LAMINATE
PLAST	PLASTER
PLYWD	PLYWOOD
PREV	PREVIOUS
PRF	PREFINISHED
PT	PAINT
PT-E	PAINT- EPOXY
PTD	PAPER TOWEL DISPENSER
PWP	PREFINISHED WALL PANEL
QT	QUARRY TILE
RAD	RADIUS
RAF	RESILIENT RUBBER FLOORING
RB	RUBBER BASE
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVERSE
RH	ROBE HOOK
RM	ROOM
RO	ROUGH OPENING
RSTR	RUBBER STAIR TREADS -RISERS
RTU	ROOF TOP UNIT
SC	SPECIAL COATING -SEE SPECS
SCD	SEAT COVER DISPENSER
SCR	SHOWER CURTAIN ROD
SD	SOAP DISPENSER
SD	SMOKE DETECTOR
SDT	STATIC DISSIPATIVE TILE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SLT	SLATE
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDING MACHINE
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	SOLID SURFACE
ST	STONE
STN	STAIN
SUSP	SUSPEND
SV	SHEET VINYL
SWU	SOUND-ABSORBING WALL UNIT
TBWP	TRAFFIC BEARING WATER PROOFING
TC	THIN COAT
TEMP	TEMPORARY/TEMPERATURE
TO	TOP OF
TP	TOILET PARTITION
TPD	TOILET PAPER DISPENSER
TRTD	TREATED
TS	TRANSITION STRIP
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VP	VINYL PLANK FLOORING
VT	VINYL TILE FLOORING
VWC	VINYL WALL COVERING
W/	WITH
WD	WOOD
WDW	WINDOW
WOM	WALK-OFF MAT
WR	WASTE RECEPTACLE
WRS	WINDOW ROLLER SHADES

GENERAL NOTES

	PROJECT GENERAL NOTES DESCRIPTION
1	NOTIFY ARCHITECT PROMPTLY IF ANY CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS
2	FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION/CONSTRUCTION.
3	CONTRACTORS TO VERIFY ALL EXISTING CONDITIONS, VISIT SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS.
4	DIMENSIONS AND ELEVATIONS AS SHOWN ON THE DRAWINGS MUST BE FIELD VERIFIED AND COORDINATED
5	COODINATE ALL PENETRATIONS THRU FOUNDATION W/APPROPRIATE TRADES.
6	PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE AT ALL TIMES DURING THE CONSTRUCTION PHASE. SIDEWALKS FRONTING THE BLDG SHALL REMAIN USABLE AND CLEARED OF MUD OR OTHER DEBRIS. CONTRACTOR WILL MAINTAIN A CLEAR AND REASONABLE WORK AREA TO BE COORDINATED WITH BUILDING MANAGER/OWNERS REPRESENTATIVE.
7	CONTRACTOR SHALL VERIFY AND PROVIDE ANY ROUGH-IN CONSTRUCTION REQUIRED FOR OWNER-INSTALLED EQUIPMENT CALLED OUT IN DRAWINGS OR SPECIFICATIONS UNLESS OTHERWISE NOTED
8	MINIMUM SLIP RESISTANCE OF FLOOR SURFACES.-WALKING SURFACES (GENERAL): 0.5 STATIC COEFFICIENT OF FRICTION-ACCESSIBLE ROUTES: 0.6 STATIC COEFFICIENT OF FRICTION -RAMPS: 0.8 STATIC COEFFICIENT OF FRICTION
9	ALL DIRECTIONAL REFERENCES IN DRAWINGS SHALL REFER TO PLAN NORTH.
10	ALL JOINTS & PENETRATIONS SHALL BE FIRESAFED & FIRE SEALED AS REQUIRED TO COMPLY WITH APPLICABLE BUILDING CODES.
11	KEYNOTES ARE USED TO ASSIST IN NOTING AND INDICATE REPETITIVE INSTANCES.
12	SUSPENDED CEILING HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR.
13	COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, CEILING DIFFUSERS/GRILLES AND ANY ADDITIONAL CEILING ITEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECT. ALL SPRINKLER HEADS SHALL BE PLACED IN THE CENTER OF CEILING TILES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT.

SYMBOLS LEGEND

CENTER LINE	MATCHLINE REFERENCE
DOOR TAG (101B)	VIEW TITLE (1 / A101, 1/8" = 1'-0")
GRID BUBBLE (GRID)	DETAIL CALLOUT (1 / A101)
KEYNOTE TAG (1)	DETAIL SECTION (1 / A101)
DEMO TAG (1)	WALL SECTION (1 / A101)
WALL TAG (?? / ??)	BUILDING SECTION (1 / A101)
WINDOW TAG (1)	
SPOT ELEVATION TAG	
LEVEL HEAD (Name / Elevation)	
HORIZONTAL ASSEMBLY TAG (?? / ??)	
REVISION TAG	
ROOM TAG (Room Name 101)	
ROOM TAG w/ AREA (Room Name 101, 150 SF)	
ROOM TAG w/ AREA & OCCUPANT LOAD (Room Name 101, 8, 150 SF)	
NORTH ARROW (N)	

MATERIAL LEGEND

ALUMINUM	RIGID INSULATION / EIFS
CONCRETE	SAND
EARTH	SAND-DENSE
GRAVEL	STEEL
GYPSUM	WOOD-FINISHED CARPENTRY
MASONRY - BRICK	WOOD-ROUGH CARPENTRY
MASONRY - CMU	WOOD-PLYWOOD

DRAWING INDEX

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CROOKSTON SCHOOL DISTRICT
BUS STORAGE / MAINTENANCE FACILITY
402 FISHER AVE, SUITE 593
CROOKSTON, MN 56716

Drawing History

No.	Description	Date
1	Revision 1	Date 1

DRAWN BY: TN/JT **JN:** 19-023

NOT FOR CONSTRUCTION

GENERAL NOTES/ DRAWING INDEX

SHEET
G001

CODE STUDY -
2015 MINNESOTA BUILDING CODE
Crookston School District 593
402 Fisher Ave, Suite 593
Crookston, MN 56716

Item	Description	Code Section
Occupancy	STORAGE GROUP S-1	311
Construction Type	TYPE 5B (NON-SEPARATED OCCUPANCIES)	Table 601
Allowable Hgt. & Building Area	GROUP S-1: 3 STORY @ 54,000 SF	Table 503
Area Modification to Table 503	FRONTAGE INCREASE: NOT USED 17,533 SF FIRST FLOOR (1,024 SF MEZZANINE) OK	506.3
Fire Resistance Rating Requirement For Building Elements (In Hours)	0 HOURS FOR ALL ELEMENTS	Table 601/ 602
Fire Barriers/ Shaft Enclosures	NON REQUIRED	707 / 708 508.4
Automatic Sprinkler System	NFPA 13 WILL BE PROVIDED (REQUIRED BY 406.8.6) (S-1 OCCUPANCY: AREA USED FOR STORAGE OF COMMERCIAL TRUCKS EXCEEDING 5,000 SF) 7,500 SF	903.2.9
Exit Access Travel Distance	GROUP S-1: 250 FT WITH SPRINKLER SYSTEM	Table 1016.2
Corridors	NOT REQUIRED TO BE RATED - SPINKLERED BUILDING.	Table 1018.1
Mezzanines and Equipment Platforms	ALLOWABLE FLOOR AREA SHALL NOT BE GREATER THAN 1/3 OF THE FLOOR AREA OF THE SPACE IN WHICH IT'S LOCATED	505.2 505.2.3

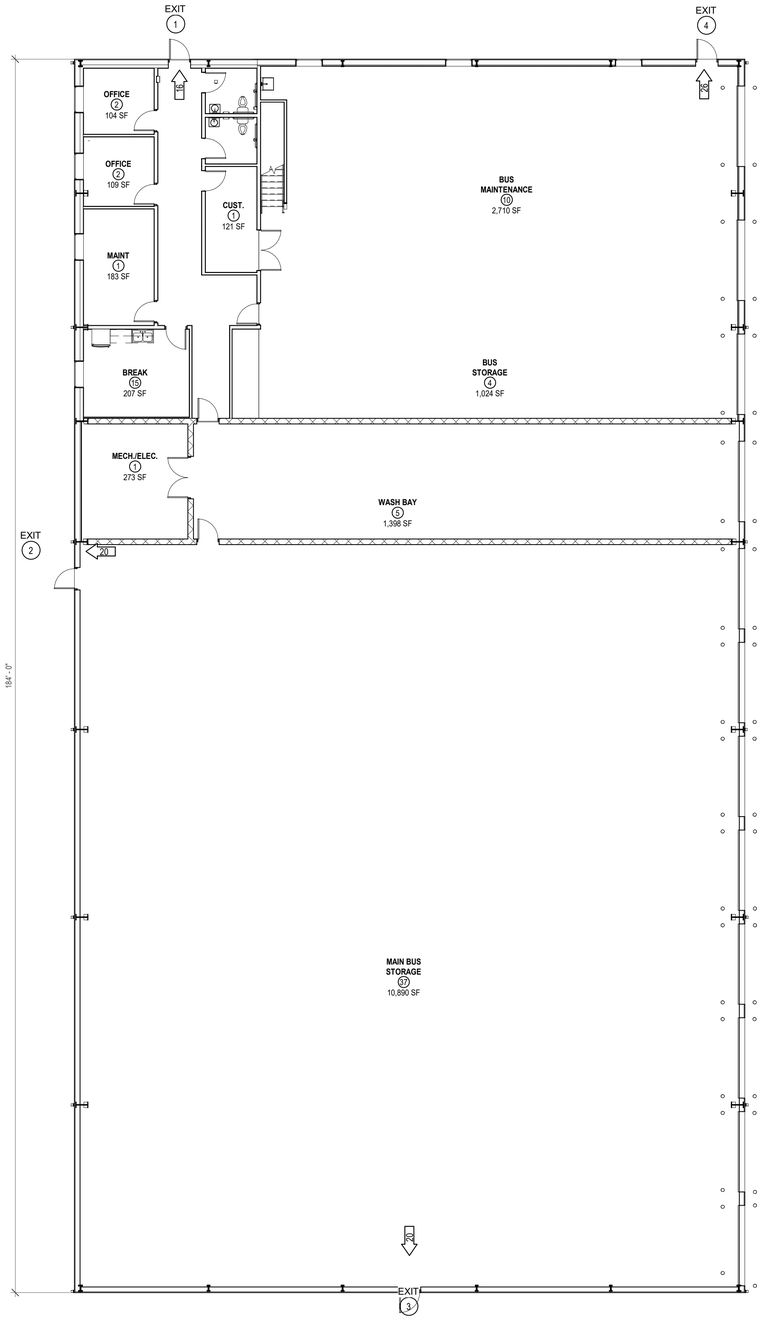
EXIT DATA

Exit No.	Occupant Load	Exit Width Per Occupant Served	Total Required Width of Exit	Actual Width
1	16	0.2	3.2"	36"
2	20	0.2	4"	36"
3	20	0.2	4"	36"
4	26	0.2	5.2"	36"

RESTROOM COUNTS

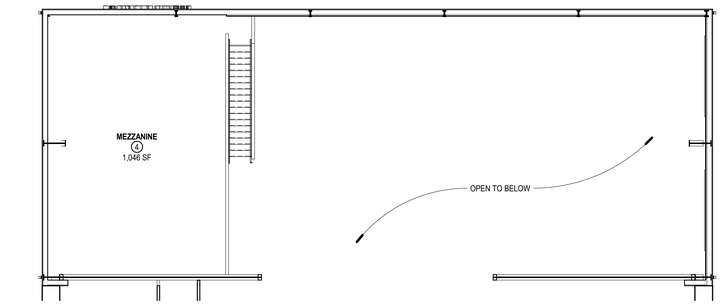
	WATERCLOSETS		LAVATORIES		DRINKING FOUNTAIN
OCCUPANCY	MALE	FEMALE	MALE	FEMALE	
S-1	1 per 100		1 per 100		1 per 1000

Total Occupant Load = 82
1 Male WC & LAV REQ.
1 Female WC & LAV REQ.
1 Drinking Fountain REQ.
1 Service Sink REQ.



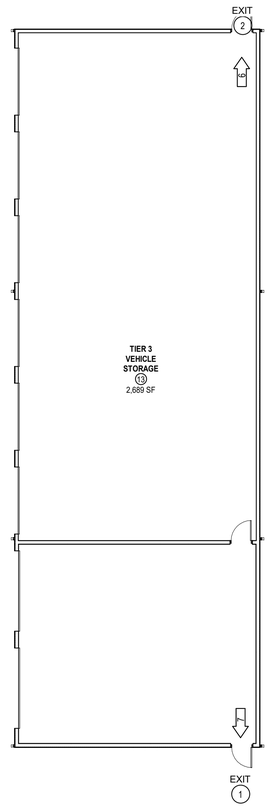
1 G002 MAIN BUS GARAGE CODE STUDY - 17,533 SF
3/32" = 1'-0"

82 TOTAL OCCUPANTS



2 G002 Mezzanine Level Code Study - 1,024 SF
3/32" = 1'-0"

4 TOTAL OCCUPANTS



3 G002 TIER 3 VEHICLE STORAGE - 3,610 SF
3/32" = 1'-0"

13 TOTAL OCCUPANTS

GENERAL NOTES:

1. MAIN BUS GARAGE CONTAINS BUS STORAGE AND MAINTENANCE BAGS. BUILDING TYPE IS 5B COMBUSTIBLE (PRE-ENGINEERED METAL BUILDING W/ WOOD FRAMED OFFICE & MEZZANINE AREA.
2. TIER 3 VEHICLE STORAGE GARAGE CONTAINS VEHICLE STORAGE ONLY. BUILDING TYPE IS 5B COMBUSTIBLE (WOOD FRAMED).

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2015 MINNESOTA BUILDING CODE
Crookston School District 593
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Item	Description	Code Section
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Fire Barriers/ Shaft Enclosures	NON REQUIRED	707 / 708 508.4
Automatic Sprinkler System	NFPA 13 WILL BE PROVIDED (REQUIRED BY 406.8.6) (S-1 OCCUPANCY: AREA USED FOR STORAGE OF COMMERCIAL TRUCKS EXCEEDING 5,000 SF) 7,500 SF	903.2.9
Exit Access Travel Distance	GROUP S-1: 250 FT WITH SPRINKLER SYSTEM	Table 1016.2
Corridors	NOT REQUIRED TO BE RATED - SPINKLERED BUILDING.	Table 1018.1
Mezzanines and Equipment Platforms	ALLOWABLE FLOOR AREA SHALL NOT BE GREATER THAN 1/3 OF THE FLOOR AREA OF THE SPACE IN WHICH IT'S LOCATED	505.2 505.2.3

EXIT DATA

Exit No.	Occupant Load	Exit Width Per Occupant Served	Total Required Width of Exit	Actual Width
1	7	0.2	1.4"	36"
2	6	0.2	1.2"	36"

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BUS STORAGE / MAINTENANCE FACILITY
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CROOKSTON, MN 56716

Drawing History

No.	Description	Date

DRAWN BY: TN/JT **JN:** 19-023

NOT FOR CONSTRUCTION

CODE STUDY

SHEET
G002

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BUILDING BLOCKS

302 FLOOR SURFACES

302.2 CARPET - Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut pile, or level cut/uncut pile texture. The pile shall be 1/2" maximum in height. Exposed edges of carpet shall be fastened to the floor and shall have trim along the entire length of the exposed edge. Carpet edge trim shall comply with Section 303.

302.3 OPENINGS - Openings in floor surfaces shall be of a size that does not permit the passage of a 1/2" diameter sphere, except as allowed in Sections 407.4.3, 408.4.3, 409.4.3, 410.4, and 805.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel space.

303 CHANGE IN LEVEL

303.2 VERTICAL - Changes in level of 1/4 " maximum in height shall be permitted to be vertical.

303.3 BEVELED - Changes in level greater than 1/4" in height and not more than 1/2" maximum in height shall be beveled with a slope not steeper than 1:2. Changes in level greater than 1/2 inch (13mm) in height shall be ramped and shall comply with Section 405 and 406.

304 TURNING SPACES

304.2 FLOOR SURFACES - Floor surfaces of a turning space shall have a slope not steeper than 1:48 and shall comply with Section 302.

304.3 SIZE

304.3.1 CIRCULAR SPACE - The turning space shall be a circular space with a 60-inch minimum diameter. The turning space shall be permitted to include knee and toe clearance complying with Section 306.

304.3.2 T-SHAPED SPACE - The turning space shall be a T-shaped space within a 60-inch minimum square, with arms and base 36 inches minimum in width. Each arm of the T shall be clear of obstructions 12 inches minimum in each direction, and the base shall be clear of obstructions 24 inches minimum. The turning space shall be permitted to include knee and toe clearance complying with Section 306 only at the end of either the base or one arm.

304.4 DOOR SWING - Unless otherwise specified, doors shall be permitted to swing into turning spaces

305 CLEAR FLOOR SPACE

305.2 FLOOR SURFACES - Floor surfaces of a turning space shall have a slope not steeper than 1:48 and shall comply with Section 302.

305.3 SIZE - The clear floor space shall be 48 inches minimum in length and 30 inches minimum in width.

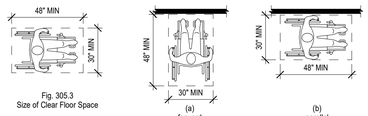
305.5 POSITION - Unless otherwise specified, the clear floor space shall be positioned for either forward or parallel approach to an element.

305.6 APPROACH - One full, unobstructed side of the clear floor space shall adjoin or overlap an accessible route or adjoin another clear floor space.

305.7 ALCOVES - If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.

305.7.1 PARALLEL APPROACH - Where the clear floor space is positioned for a parallel approach, the alcove shall be 60 inches minimum in width where the depth exceeds 15 inches

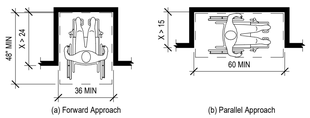
305.7.2 FORWARD APPROACH - Where the clear floor space is positioned for a forward approach, the alcove shall be 36 inches minimum in width where the depth exceeds 24 inches.



(a) forward (b) parallel

Fig. 305.3
Size of Clear Floor Space

Fig. 305.5
Position of Clear Floor Space



(a) Forward Approach (b) Parallel Approach

Fig. 305.7
Maneuvering Clearance in a Alcove

306 KNEE AND TOE CLEARANCE

306.2 - TOE CLEARANCE

306.2.1 GENERAL - Space beneath an element between the floor and 9 inches above the floor shall be considered toe clearance and shall comply with Section 306.2.

306.2.2 MAXIMUM DEPTH - Toe clearance shall be permitted to extend to 25 inches maximum under an element.

306.2.3 MINIMUM DEPTH - Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches minimum beneath the element.

306.2.4 ADDITIONAL CLEARANCE - Space extending greater than 6 inches beyond the available knee clearance at 9 inches above the floor shall not be considered toe clearance.

306.2.5 WIDTH - Toe clearance shall be 30 inches minimum in width.

306.3 KNEE CLEARANCE

306.3.1 GENERAL - Space beneath an element between 9 inches and 27 inches above the floor shall be considered knee clearance and shall comply with Section 306.3.

306.3.2 MAXIMUM DEPTH - Knee clearance shall be permitted to extend 25 inches maximum under an element under an element at 9 inches above the floor.

306.3.3 MINIMUM DEPTH - Where knee clearance is required beneath an element as part of a clear floor space, the knee clearance shall be 11 inches minimum in depth at 9 inches above the floor, and 8 inches minimum in depth at 27 inches above the floor.

306.3.4 CLEARANCE REDUCTION - Between 9 inches and 27 inches above the floor, the knee clearance shall be permitted to be reduced at a rate of 1 inch for each 6 inches in height.

306.3.5 WIDTH - Knee clearance shall be 30 inches minimum in width.

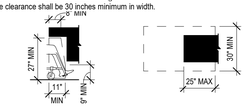


Fig. 306.3
Knee and Toe Clearance

307 PROTRUDING OBJECTS

307.2 PROTRUSION LIMITS - Objects with leading edges more than 27 inches and not more than 80 inches above the floor shall protrude 4 inches maximum horizontally into the circulation path.

307.3 POST-MOUNTED OBJECTS - Objects on posts or pylons shall be permitted to overhand 4 inches maximum where more than 27 inches and not more than 80 inches above the floor. Objects on multiple posts or pylons where the clear distance between the posts or pylons is greater than 12 inches shall have the lowest edges of such object either 27 inches maximum or 80 inches minimum above the floor.

307.4 REDUCED VERTICAL CLEARANCE - Guardrails or other barriers shall be provided where object protrusion is beyond the limits allowed by Sections 307.2 and 307.3, and where the vertical clearance is less than 80 inches above the floor. The leading edge of such guardrail or barrier shall be 27 inches maximum above the floor.

307.5 REQUIRED CLEAR WIDTH - Protruding objects shall not reduce the clear width required for accessible routes.

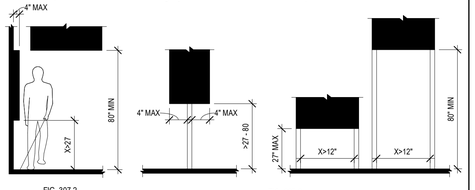


FIG. 307.2
Limits of Protruding Objects

FIG. 307.3
Post-Mounted Protruding Objects

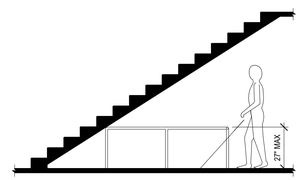


FIG. 307.4
Reduced Vertical Clearance

308 REACH RANGES

308.2 FORWARD REACH

308.2.1 UNOBSTRUCTED - Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the floor.

308.2.2 OBSTRUCTED HIGH REACH - Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches maximum where the reach depth is 20 inches maximum. Where the reach depth exceeds 20 inches, the high forward reach shall be 44 inches maximum, and the reach depth shall be 25 inches maximum.

308.3 OBSTRUCTED HIGH REACH - Where a clear floor space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches maximum and the depth of the obstruction shall be 24 inches maximum. The high side reach shall be 48 inches maximum for a reach depth of 10 inches maximum. Where the reach depth exceeds 10 inches, the high side reach shall be 46 inches maximum for a reach depth of 24 inches maximum.

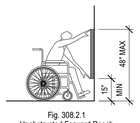


Fig. 308.2.1
Unobstructed Forward Reach

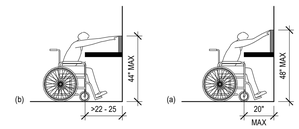


Fig. 308.2.2
Obstructed High Forward Reach

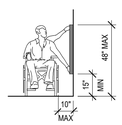


Fig. 308.3.1
Unobstructed Side Reach

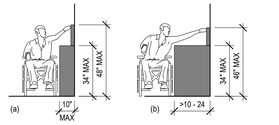


Fig. 308.3.2
Obstructed High Side Reach

309 OPERABLE PARTS

309.2 CLEAR FLOOR SPACE - A clear floor space complying with Section 305 shall be provided.

309.3 HEIGHT - Operable parts shall be placed within one or more of the reach ranges specified in Section 308.

309.4 OPERATION - Operable parts shall not be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds maximum.

ACCESSIBLE ROUTES

402 ACCESSIBLE ROUTES

402.1 GENERAL - Accessible routes shall comply with section 402

402.2 COMPONENTS - Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable portions of this standard.

403 WALKING SURFACES

403.1 GENERAL - Walking surfaces that are a port of an accessible route shall comply with Section 403.

403.2 FLOOR SURFACE - Floor surfaces shall comply with Section 302.

403.3 SLOPE - The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of a walking surface shall not be steeper than 1:48.

403.4 CHANGES IN LEVEL - Changes in level shall comply with Section 303.

403.5 CLEAR WIDTH - Clear width of an accessible route shall comply with Table 403.5.

Segment Length	Minimum Segment Width
< 24 inches	32 inches*
> 24 inches inches	36 inches

*Consecutive segments of 32 inches in width must be separated by a route segment 48 inches minimum in length and 36 inches minimum in width.

403.6 HANDRAILS - Where handrails are required at the side of a corridor they shall comply with Sections 505.4 through 505.9

404 DOORS AND DOORWAYS

404.1 GENERAL - Doors and doorways that are part of an accessible route shall comply with Section 404.

404.2 MANUAL DOORS

404.2.1 DOUBLE-LEAF DOORS AND GATES - At least one of the active leaves of doorways with two leaves shall comply with Sections 404.2.2 and 404.2.3.

404.2.2 CLEAR WIDTH - Doorways shall have a clear opening width of 32 inches minimum. Openings, doors and doorways without doors more than 24 inches in depth shall provide a clear opening width of 36 inches minimum.

404.2.3 MANEUVERING CLEARANCES AT DOORS - Minimum maneuvering clearances at doors shall comply with SECTION 404.2.3 and shall include the full clear opening width of the doorway.

404.2.4 THRESHOLDS AT DOORWAYS - If provided, thresholds at doorways shall be 1/2 inch maximum in height. Raised thresholds and changes in level at doorways shall comply with Sections 302 and 303.

404.2.5 TWO DOORS IN SERIES - Distance between two hinged or pivoted doors in series shall be 48 inches (1220mm) minimum plus the width of any door swinging into the space. The space between the doors shall provide a turning space complying with Section 304.

404.2.6 DOOR HARDWARE - Handles,pulls, latches, locks, an other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, pinching, or twisting of the wrist to operate. Operable parts of such hardware shall be 34 inches minimum and 48 inches maximum above the floor. Where sliding doors are in the fully open position, operating hardware shall be expose and usable from both sides.

404.2.7 CLOSING SPEED

404.2.7.1 DOOR CLOSERS - Door close shall be adjusted so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees shall be 5 seconds minimum.

404.2.7.2 SPRING HINGES - Door spring hinges shall be adjusted so that from the open position of 70 degrees, the door shall move to the closed position in 1.5 seconds minimum.

404.2.8 DOOR-OPENING FORCE - Fire doors shall have the minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open doors other than fire doors shall be as follows:

1. Interior hinged door: 5.0 pounds maximum
2. Sliding or folding door: 5.0 pounds maximum.

404.2.9 DOOR SURFACE - Door surfaces within 10 inches of the floor, measured vertically, shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within 1/16 inch of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.10 VISION LITES - Doors and sidelite's adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one panel on either the door or an adjacent sidelite 43 inches maximum above the floor

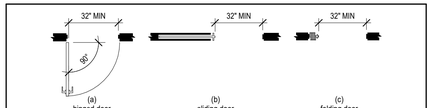


Fig. 404.2.2
Clear Width of Doorways

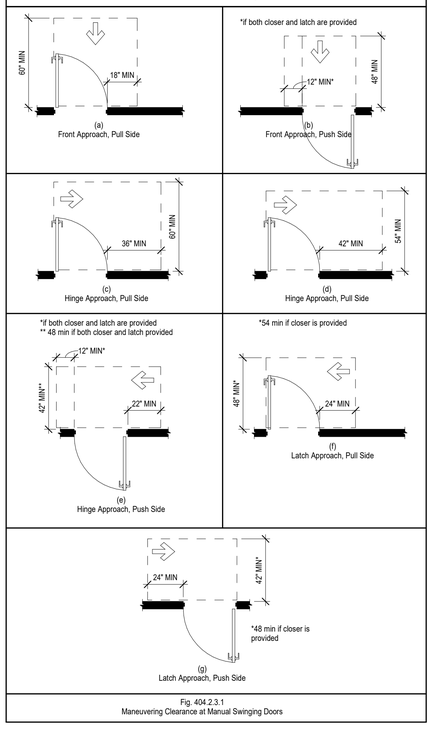


Fig. 404.2.3.1
Maneuvering Clearance at Manual Swinging Doors

404.3 AUTOMATIC DOORS - Automatic doors and automatic gates shall comply with Section 404.3. Full powered automatic doors shall comply with ANSI/BHMA A156.10 listed in Section 105.2.4. Power-assist and low-energy doors shall comply with ANSI/BHMA A 156.19 listed in Section 105.2.3.

404.3.1 CLEAR OPENING WIDTH - Doorways shall have a clear opening width of 32 inches in power-on and power-off mode. The minimum clear opening width for automatic door systems shall be based on the clear opening width provided with all leafs in the open position.

404.3.2 MANEUVERING CLEARANCES - Maneuvering clearances at power-assisted doors shall comply with Section 404.2.3.

404.3.5 CONTROL SWITCHES - Manually operated control switches shall comply with Section 309. The clear floor space adjacent to the control switch shall be located beyond the arc of the door swing.

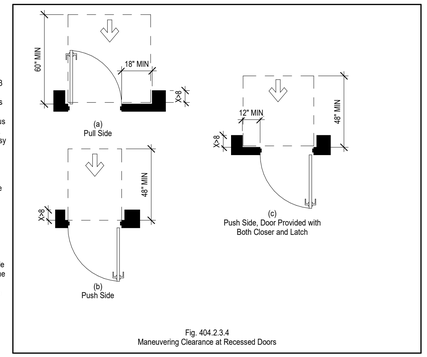


Fig. 404.2.3.4
Maneuvering Clearance at Recessed Doors

405 RAMPS

405.2 SLOPE - Ramp runs shall ave a running slope not steeper than 1:12.

405.3 CROSS SLOPE - Cross slope of ramp runs shall not be steeper than 1:48.

405.5 CLEAR WIDTH - The clear width of a ramp run shall be 36 inches minimum.

405.6 RISE - The rise for any ramp run shall be 30 inches maximum.

405.7 LANDINGS - Ramps shall have landings at bottom and top of each ramp run. Landings shall comply with Section 405.7.

405.7.2 WIDTH - Clear width of landings shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 LENGTH - Landings shall ave a clear length of 60 inches minimum.

405.7.4 CHANGE IN DIRECTION - Ramps that change direction at ramp landing shall be sized to provide a turning space complying with Section 304.3

405.7.5 DOORWAYS - Where doorways are adjacent to a ramp landing, maneuvering clearances required by Sections 404.2.3 and 404.3.2 shall be permitted to overlap the landing area. Where doors that are subject to locking are adjacent to a ramp landing, landings shall be sized to provide a turning space complying with Section 304.3.

405.9 EDGE PROTECTION - Edge protection complying with Section 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp location.

405.8 HANDRAILS - Ramp runs with a rise greater than 6 inches (150mm) shall have handrails complying with Section 505.

406.6 LOCATION - Curb ramps and the flared sides of curb ramps shall be located so they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

406 CURB RAMPS

406.1 GENERAL - Curb ramps on accessible routes shall comply with Sections 406, 405.2, 405.3, and 405.10.

406.2 COUNTER SLOPE - Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters and streets shall be the same level.

406.4 WIDTH - Curb ramps shall be 36 inches minimum in width, exclusive of flared sides.

406.10 DIAGONAL CURB RAMPS - Diagonal or corner-type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottoms of diagonal curb ramps hall have 48 inches minimum clear space outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 4 inches minimum clear space within the markings. Diagonal curb ramps with flared sides shall have segment of curb 24 inches minimum in length on each side of the curb ramp and within the marked crossing.

406.11 ISLANDS - Raised islands in crossings shall be cut-through level with the street or have curb ramps at both ends Each curb ramp shall have a level area 48 inches minimum and 36 inches minimum in width at he top of the curb ramp in the part of the island intersected by the crossings.

406.12 DETECTABLE WARNINGS AT RAISED MARKED CROSSINGS - Marked crossings that are raised to the same level as the adjoining sidewalk shall be preceded by a 24 inch (610mm) deep detectable warning complying with Section 705, extending the full width of the marked crossing.

407 ELEVATORS

407.1 GENERAL - Elevators shall comply with section 407 and ASME A17.1 listed in Section 105.2.5. Elevators shall be passenger elevators as classified by ASME A17.1 Elevator operation shall be automatic.

407.2.1.1 HEIGHT - Call buttons and keypads shall be located within one of the reach ranges specified in Section 308, measured to the centerline of the highest operable part.

407.4.6.2 BUTTONS - Car control buttons with floor designations shall be raised or flush.

407.4.6.4 EMERGENCY CONTROLS

407.4.6.4.1 HEIGHT - Emergency controls shall have their centerlines 35 inches minimum above the floor.

407.4.6.4.2 LOCATION - Emergency controls, including the emergency alarm, shall be grouped at he bottom the panel.

410 PLATFORM LIFTS

410.1 GENERAL - Platform lifts shall comply with Section 410 and ASME/ANSI A18.1 listed in Section 105.2.6. Platform lifts shall not be attendant operated and shall provide unassisted entry and exit from the lift.

GENERAL SITE AND BUILDING ELEMENTS

502 PARKING SPACES

502.2 VEHICLE SPACE SIZE - Car parking spaces shall be 96 inches minimum in width. Van parking spaces shall be 132 inches minimum in width.

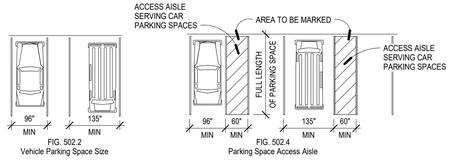


FIG. 502.2
Vehicle Parking Space Size

FIG. 502.4
Parking Space Access Aisle

503 PASSENGER LOADING ZONES

503.3.2 WIDTH - Access aisles serving vehicle pull-up spaces shall be 60 inches minimum in width.

503.3.3 LENGTH - Access aisles shall be 20 feet minimum in length.

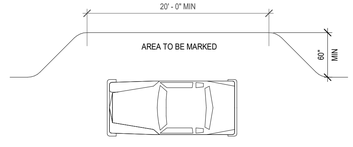


FIG. 503.3
Passenger Loading Zone Access Aisle

504 STAIRWAYS

504.2 TREADS AND RISERS - All steps on a flight of stairs shall have uniform riser height and uniform tread depth. Risers shall be 4 inches minimum and 7 inches maximum in height. Treads shall be 11 inches minimum in depth.

504.3 OPEN RISERS - Open riser shall not be permitted.

504.5 NOSINGS - The radius of curvature at the leading edge of the tread shall be 1/2 inch (13mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall be 1 1/2 inches (38mm) maximum over the tread or floor below. The leading 2 inches (51mm) of the tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

505 HANDRAILS

505.2 GENERAL - Handrails shall be provided on both sides of stairs and ramps.
EXCEPTION: Aisle stairs and aisle ramps provided with a handrail either at the side or within the aisle width.

505.3 CONTINUITY - Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs or ramps shall be continuous between flights or runs. Other handrails shall comply with Sections 505.10 and 307.

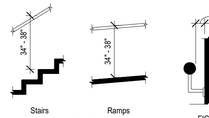
505.4 HEIGHT - Top of gripping surfaces of handrail shall be 34 inches minimum and 38 inches maximum vertically above stair nosings, ramp surface and walking surfaces.

505.5 CLEARANCE - Clearance between handrail gripping surface and adjacent surfaces shall be 1 1/2 inches minimum and 2 inches maximum under an element at 9 inches above the floor.

505.7.1 CIRCULAR CROSS SECTION - Handrails with a circular cross section shall have an outside diameter of 1 1/4 inches minimum and 2 inches maximum.

505.7.2 NONCIRCULAR CROSS SECTIONS - Handrails with a noncircular cross section shall have a perimeter dimension of 4 inches minimum and 6 1/4 inches maximum, and a cross-section dimension of 2 1/4 inches maximum.

505.10 HANDRAIL EXTENSIONS - Handrails shall extend beyond and in the same direction of stair flights and ramp runs in accordance with Section 505.10.
EXCEPTIONS:
1. Continuous handrails at the inside turn of stairs and ramps.
2. Extensions are not required for handrails in aisles serving seating where handrails are discontinuous to provide access to seating and to permit crossovers within the aisle.
3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.



Stairs Ramps

FIG. 505.4
Handrail Height

FIG. 505.5
Handrail Clearance

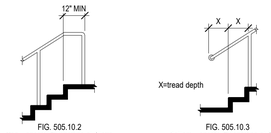


FIG. 505.10.2
Top Handrail Extensions at Stairs

FIG. 505.10.3
Bottom Handrail Extensions at Stairs

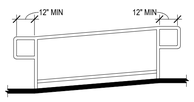


FIG. 5.5.10.1
Top and Bottom Handrail Extensions at Ramps

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Drawing History

No.	Description	Date
1	Revision 1	Date 1

DRAWN BY: TN/JT **JN:** 19-023

NOT FOR CONSTRUCTION

ANSI 117.1 - 2009 STANDARDS

SHEET
G004

PLUMBING ELEMENTS AND FACILITIES

602 DRINKING FOUNTAINS

602.1 GENERAL - Accessible drinking fountains shall comply with Sections 602 and 307.
602.2 CLEAR FLOOR SPACE - A clear floor space complying with Section 305, positioned for a forward approach to the drinking fountain, shall be provided. Knee and toe space complying with Section 306 shall be provided. The clear floor space shall be centered on the drinking fountain.
602.3 OPERABLE PARTS - Operable parts shall comply with Section 309.
602.4 SPOUT OUTLET HEIGHT - Spout outlets of wheelchair accessible drinking fountains shall be 36 inches maximum above the floor. Spout outlets of drinking fountains for standing persons shall be 38 inches minimum and 43 inches maximum above the floor.
602.5 SPOUT LOCATION - Fig. 602.5
602.6 WATER FLOW - The spout shall provide a flow of water 4 inches minimum in height. The angle of the water stream from spouts within 3 inches of the front of the drinking fountain shall be 30 degrees maximum, and from spouts between 3 inches and 5 inches from the front of the drinking fountain shall be 15 degrees maximum, measured horizontally relative to the front face of the drinking fountain.

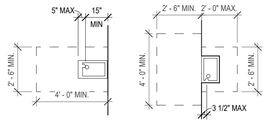


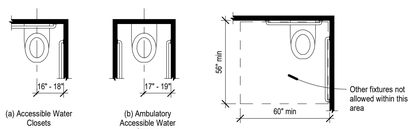
FIG. 602.5
(a) Forward Approach (b) Parallel Approach

603 TOILET & BATHING ROOMS

603.2 CLEARANCES
603.2.1 TURNING SPACE - A turning space complying with Section 304 shall be provided within the room.
603.2.2 OVERLAP - Clear floor spaces, clearances at fixtures, and turning spaces shall be permitted to overlap.
603.2.3 DOOR SWING - Doors shall not swing into the clear floor space or clearance for any fixture.
603.3 MIRRORS - Mirrors located above lavatories, sinks or counters shall be mounted with the bottom edge of the reflecting surface 40 inches maximum above the floor. Mirrors not located above lavatories, sinks or counters shall be mounted with the bottom edge of the reflecting surface 35 inches maximum above the floor.

604 WATER CLOSETS & TOILET COMPARTMENTS

604.1 GENERAL - Accessible water closets and toilet compartments shall comply with Section 604. Compartments containing more than one plumbing fixture shall comply with Section 603. Wheelchair accessible compartments shall comply with Section 604.8. Ambulatory accessible compartments shall comply with Section 604.9.
604.2 LOCATION - The water closet shall be located with a wall or partition to the rear and to one side.
604.3 CLEARANCE
604.3.1 SIZE - A clearance around a water closet 60 inches minimum, measured perpendicular from the sidewall, and 56 inches minimum, measured perpendicular from the rear wall, shall be provided.
604.3.2 OVERLAP - The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, assessable routes, clear floor space and other fixtures and the turning space. No other fixtures or obstructions shall be within the required water closet clearance.
604.4 HEIGHT - The height of water closet seats shall be 17 inches minimum and 19 inches maximum above the floor, measured to the top of the seat.
604.5 GRAB BARS - Grab bars for water closets shall comply with section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2 Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.
604.8.3 DOORS - Toilet compartment doors, including door hardware, shall comply with Section 404.1, except if the approach is to the latch side of the compartment door clearance between the door side of the stall and any obstruction shall be 42 inches minimum. Doors shall be located in the front partition farthest from the water closet. Where located in the side
604.8.5 TOE CLEARANCE - The front partition and at least one side partition shall provide a toe clearance of 9 inches minimum above the floor and extending 6 inches beyond the compartment side face of the partition, exclusive of partition support members. Toe clearance is not required in a compartment greater than 62 inches in depth with a wall-hung water closet, or greater than 65 inches in depth with a floor-mounted water closet. Where located in the side wall or partition, the door opening shall be 4 inches maximum from the front partition. The door shall be self-closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the required minimum area of the compartment.
604.10.6 FLUSH CONTROLS - Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Sections 309.2 and 309.4 and shall be installed 36 inches maximum above the floor. Flush controls shall be located on the open side of the water closet.
604.10.7 DISPENSERS - Toilet paper dispensers shall comply with Section 309.4 and shall be 7 inches minimum and 9 inches maximum in front of the water closet measured to the center line of the dispenser. The outlet of the dispenser shall be 14 inches minimum and 19 inches maximum above the floor. There shall be a clearance of 1 1/2 inches minimum below the grab bar. Dispensers shall not be of a type that control delivery do not allow continuous paper flow.



(a) Accessible Water Closets (b) Ambulatory Accessible Water Closets

FIG. 604.2
Water Closet Location

FIG. 604.3
Size of Clearance for Water Closet

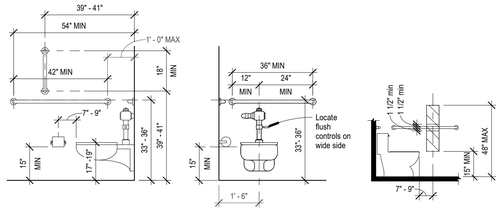
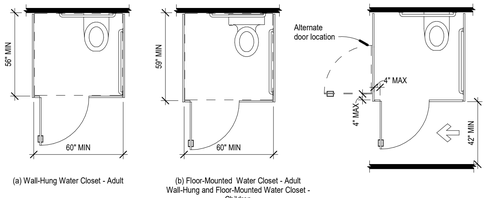


FIG. 604.5.1
Side Wall Grab Bar for Water Closet

FIG. 604.5.2
Rear Wall Grab Bar for Water Closet

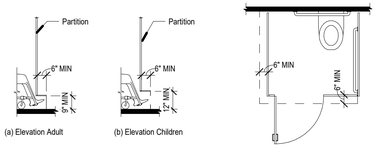
FIG. 604.7
Dispenser Location



(a) Wall-Hung Water Closet - Adult (b) Floor-Mounted Water Closet - Adult Wall-Hung and Floor-Mounted Water Closet - Children

FIG. 604.8.2
Wheelchair Accessible Toilet Compartments

FIG. 604.8.3
Wheelchair Accessible Compartment Doors

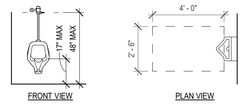


(a) Elevation Adult (b) Elevation Children

FIG. 604.8.5
Wheelchair Accessible Compartment Toe Clearance

605 URINALS

605.2 HEIGHT - Urinals shall be of the stall type or shall be of the wall hung type with the rim at 17 inches maximum above the floor.
605.3 CLEAR FLOOR SPACE - A clear floor space complying with Section 305, positioned for forward approach, shall be provided.
605.4 FLUSH CONTROLS - Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.



FRONT VIEW PLAN VIEW

FIG. 605.2
Height of Urinals

606 LAVATORIES & SINKS

606.2 CLEAR FLOOR SPACE - A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.
606.3 HEIGHT - The front of the lavatories and sinks shall be 34 inches maximum above the floor, measured to the higher of the rim or counter surface.
606.4 FAUCETS - Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.
606.6 EXPOSED PIPES AND SURFACES - Water supply and drainpipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

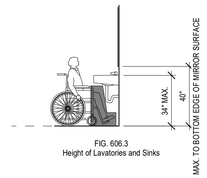
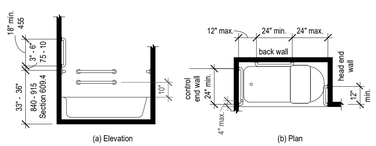


FIG. 606.3
Height of Lavatories and Sinks

607 BATHTUBS

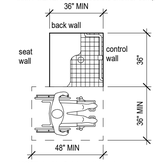
607.4.2 BATHTUBS WITHOUT PERMANENT SEATS - For bathtubs without permanent seats, grab bars shall comply with 609.4.
607.4.2.1 BACK WALL - Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches minimum and 10 inches maximum above the rim of the bathtub. Each grab bar shall be 24" long minimum and shall be installed 24 inches maximum from the head end wall and 12 inches maximum from the control end wall.
607.4.2.2 CONTROL END WALL - A grab bar 24 inches long minimum shall be installed on the control end wall at the front edge of the bathtub.
607.4.2.3 HEAD END WALL - A grab bar 12 inches long minimum shall be installed on the head end wall at the front edge of the bathtub.



(a) Elevation (b) Plan

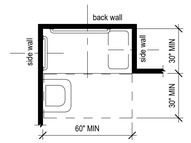
FIG. 607.4.2
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEATS

608 Shower Compartments
608.1 GENERAL. Accessible shower compartments shall comply with Figures 608.2.1 and 608.2.2.



NOTE: Inside finished dimensions measured at the center points of opposing sides.

FIG. 608.2.1
Transfer-Type Shower Compartment Size and Clearance



NOTE: Inside finished dimensions measured at the center points of opposing sides.

FIG. 608.2.2
Standard Roll-in-Type Shower Compartment Size and Clearances

609 GRAB BARS

609.2 CROSS SECTION - Grab bars shall have a cross section complying with Section 609.2.1 and 609.2.2.
609.2.1 CIRCULAR CROSS SECTION - Grab bars with a circular cross section shall have an outside diameter of 1 1/4 inch minimum and 2 inches maximum.
609.2.2 NONCIRCULAR CROSS SECTION - Grab bars with a noncircular cross section shall have a cross section dimension of 2 inches maximum, and a perimeter dimension of 4 inches minimum and 4.8 inches maximum.
609.3 SPACING - The space between the wall and the grab bar shall be 1 1/2 inches. The space between the grab bar and projecting objects below and at the ends of the grab bar shall be 1 1/2 inches minimum. The space between the grab bar and projecting objects above the grab bar shall be 12 inches minimum.
609.5 SURFACE HAZARDS - Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free of sharp or abrasive elements. Edges shall be rounded.
609.8 STRUCTURAL STRENGTH - Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds is applied at any point on the grab bar, fastener mounting device or supporting structure.

COMMUNICATION ELEMENTS AND FEATURES

702 ALARMS

702.1 GENERAL - Accessible audible and visual alarms and notification appliances shall be installed in accordance with NFPA 72 listed in Section 105.2.2, be powered by a commercial light and power source, be permanently connected to the wiring of the premises electric system, and be permanently installed.

703 SIGNS

703.2.3 STYLE - Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.
703.2.4 CHARACTER HEIGHT - The uppercase letter "I" shall be used to determine the allowable height of all characters of a font. The uppercase letter "I" of the font shall have a minimum height complying with Table 703.2.4. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign.
703.2.4 CHARACTER WIDTH - The uppercase letter "O" shall be used to determine the allowable width of all characters of a font. The width of the uppercase letter "O" of the font shall be 55 percent minimum and 110 percent maximum of the height of the uppercase "I" of the font. See Table 703.2.4.
703.3.12 FINISH AND CONTRAST - Characters and their background shall have a nonglare finish. Characters shall contrast with their background with either light characters on a dark background, or dark characters on a light background.
703.4 BRAILLE - See Table 703.4.3 and Figure 703.4.3.
703.4.5 MOUNTING HEIGHT - Braille shall be 48 inches minimum and 60 inches maximum above the floor, measured to the baseline of the braille cells.
703.5 PICTOGRAMS
703.5.2 PICTOGRAM FIELD - Pictograms shall have a field 6 inches minimum in height. Characters or braille shall not be located in the pictogram field.

704 TELEPHONES

704.2.1 CLEAR FLOOR SPACE - A clear floor space complying with Section 305 shall be provided.
704.2.1.1 PARALLEL APPROACH - Where a parallel approach is provided the distance from the edge of the telephone enclosure to the face of the telephone shall be 10 inches maximum.
704.2.1.2 FORWARD APPROACH - Where a forwards approach is provided, the distance from the front edge of a counter within the enclosure to the face of the telephone shall be 20 inches maximum.
704.2.1.3 OPERABLE PARTS - The highest operable part of the telephone shall comply with Section 308. Telephones shall have push button controls where service for such equipment is available.
704.2.1.4 TELEPHONE DIRECTORIES - Where provided, telephone directories shall comply with Section 309.
704.2.1.4 CORD LENGTH - The telephone handset cord shall be 29 inches minimum in length.
704.2.1.5 HEARING-AID COMPATIBILITY - Telephones shall be hearing aid compatible.
704.3 VOLUME-CONTROL TELEPHONES - Public telephones required to have volume controls shall be equipped with a receive volume control that provides a gain adjustable up to 2 B minimum.
704.5 HEIGHT - When in use, the touch surface of TTY keypads shall be 34 inches minimum above the floor.

707 AUTOMATIC TELLER MACHINES (ATMS) & FARE MACHINES

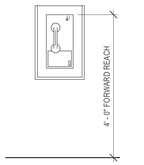
707.2 CLEAR FLOOR SPACE - A clear floor space complying with Section 305 shall be provided in front of the machine.

802 ASSEMBLY AREAS

802.1 GENERAL - Wheelchair spaces and wheel chair space locations in assembly areas with spectator seating shall comply with Section 802.
802.2 FLOOR SURFACES - The floor surface of wheelchair space locations shall have a slope not steeper than 1:48 and shall comply with Section 302.

803 DRESSING, FITTING & LOCKER ROOMS

803.2 TURNING SPACES - A turning space complying with Section 304 shall be provided within the room.
803.3 DOOR SWING - Doors shall not swing into the room unless a clear floor space complying with Section 305.3 is provided within the room, beyond the arc of the door swing.
803.4 BENCHES - A bench complying with Section 903 shall be provided within the room.
803.5 COAT HOOKS AND SHELVES - Accessible coat hooks provided within the room shall accommodate a forward reach or side reach complying with Section 308. Where provided, a shelf shall be 40 inches minimum and 48 inches maximum above the floor.



*Height to highest operable parts which are essential to basic operations of telephone.

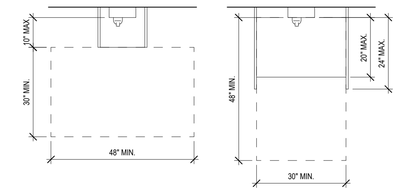
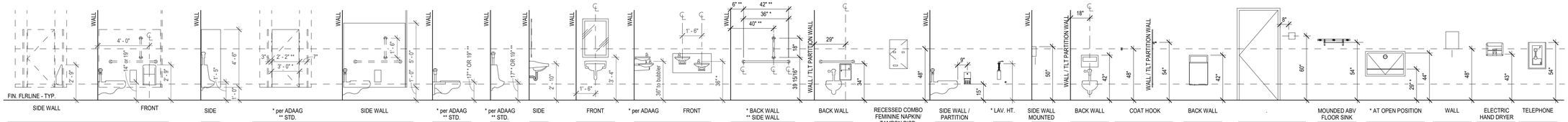


FIG. 704.2.1 (a)
parallel approach

FIG. 704.2.1 (b) forward approach



Mounting Heights
1/4" = 1'-0"

1/13/2020 10:12:47 AM BIM 360://19-023 Crookston School District/19-023 Crookston School District Bus Maintenance.rvt

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Drawing History

No.	Description	Date
1	Revision 1	Date 1

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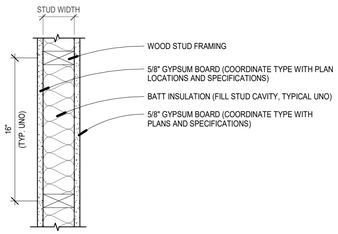
ANSI 117.1 - 2009 STANDARDS

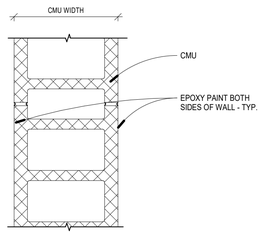
SHEET
G005

W — WOOD STUD W/ GYPSUM - STANDARD



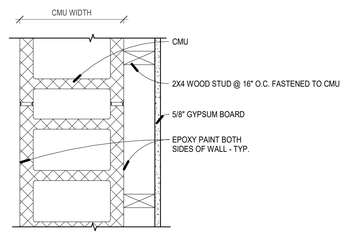
WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES
W4	3 1/2"	4 3/4"	
W6	5 1/2"	6 3/4"	

M — CMU



WALL TAG		ASSEMBLY WIDTH	NOTES
M10		9 5/8"	

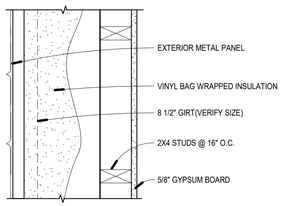
MF — WOOD STUD W/ GYPSUM - STANDARD



WALL TAG		ASSEMBLY WIDTH	NOTES
M10F		1' - 1 3/4"	

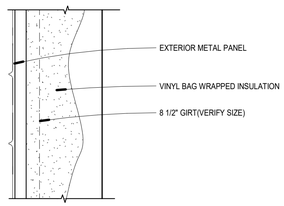
INTERIOR WALLS

EXF — OFFICE - EXT. WALL



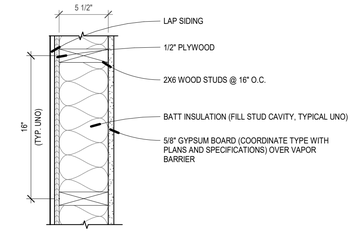
WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES
EXF		1' 2 1/8"	

EX — STORAGE - EXT. WALL



WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES
EX		10"	TYPICAL WITHIN BUS STORAGE

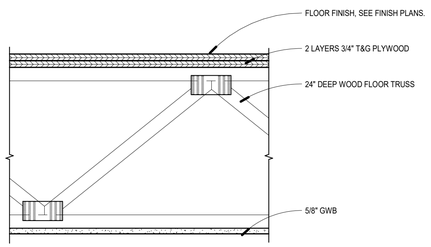
WP — WOOD STUD W/ GYPSUM - STANDARD



WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES
W6P	5 1/2"	7 1/8"	

EXTERIOR WALLS

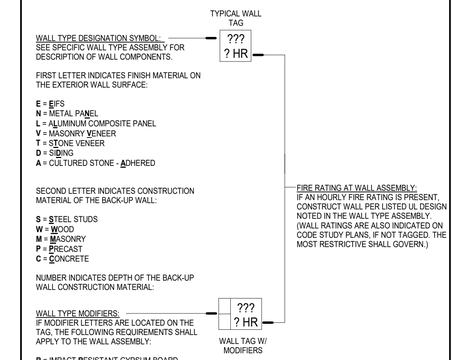
FW1 — MEZZANINE FLOOR ASSEMBLY



UL DESIGN NO. L563; AUGUST 31, 2017
(ASSEMBLY DESIGN REQUIRED WHEN RATING IS PRESENT)
UNRESTRAINED ASSEMBLY RATING - 1 HOUR
STC RATING - MIN. 60

(REVIEW UL DESIGN AND SPECIFICATIONS FOR COMPLETE INSTALLATION REQUIREMENTS.)

WALL TYPE TAG DESCRIPTION LEGEND



GENERAL NOTES - UL WALL ASSEMBLIES

1. WHEN HOURLY RATING IS SHOWN ON A WALL TAG, OR ON THE CODE STUDY PLAN, THE WALL IS TO BE CONSTRUCTED PER THE UL ASSEMBLY REQUIREMENTS.

NOTE: UNDERWRITERS LABORATORIES ALLOWS FOR MODIFICATIONS TO INDIVIDUAL DESIGNS. SOME MODIFICATIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: SCREWS MAY BE SUBSTITUTED FOR NAILS, ONE FOR ONE WHEN THE HEAD DIAMETER, LENGTH, AND SPACING EQUALS OR EXCEEDS THE REQUIREMENTS FOR THE SPECIFIED NAILS.

GYPSUM BOARD THICKNESS SPECIFIED IN SPECIFIC DESIGNS ARE MINIMUMS. GREATER THICKNESS OF GYPSUM BOARD ARE PERMITTED AS LONG AS THE FASTENER LENGTH IS INCREASED PROPORTIONALLY, ADDITIONAL LAYERS OF GYPSUM BOARD ARE PERMITTED TO BE ADDED TO ANY DESIGN. THE SIZE OF THE STUDS ARE MINIMUMS UNLESS OTHERWISE STATED IN THE DESIGN.

THE GENERIC WALL MAKE-UP SHOWN UNDER EACH WALL TYPE DESIGNATION SHOWS THE DESIGN INTENT FOR THAT SPECIFIC PARTITION, ALTHOUGH IT MAY NOT EXACTLY MATCH THE UL ASSEMBLY. IT HAS BEEN DESIGNED USING THE ALLOWED MODIFICATIONS. THE CONTRACTOR IS TO CONSTRUCT THE WALL BASED ON THE GENERIC MAKE-UP FOLLOWING THE UL DESIGN STANDARD WHEN THE WALL IS RATED. IF THE CONTRACTOR WISHES TO MODIFY COMPONENTS AND REQUIREMENTS OUTLINED IN THE UL ASSEMBLY, APPROVAL FOR A SUBSTITUTION MUST BE PROVIDED BY ARCHITECT PRIOR TO IMPLEMENTING.

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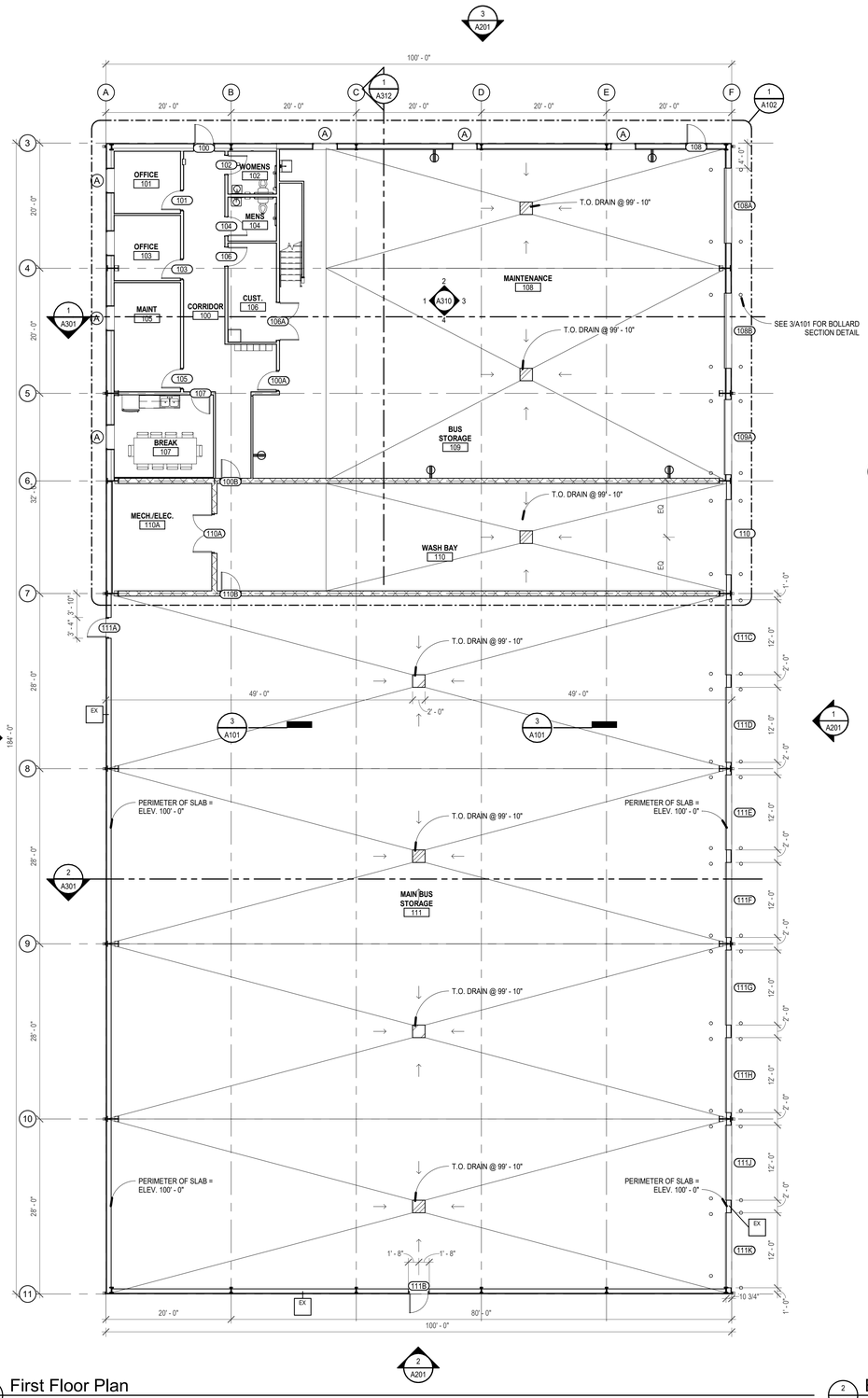
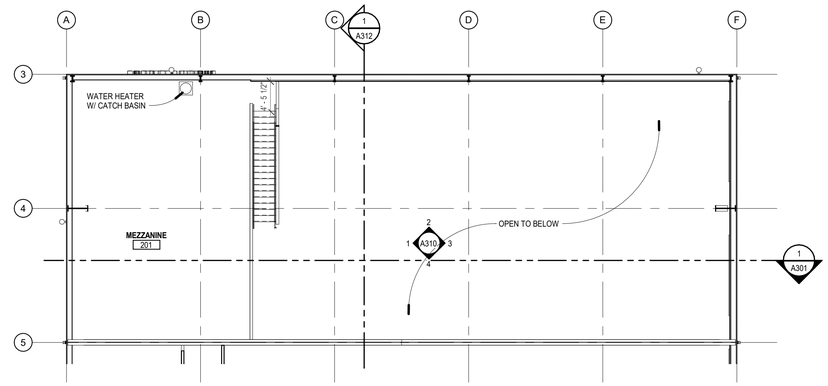
WALL & FLOOR ASSEMBLIES

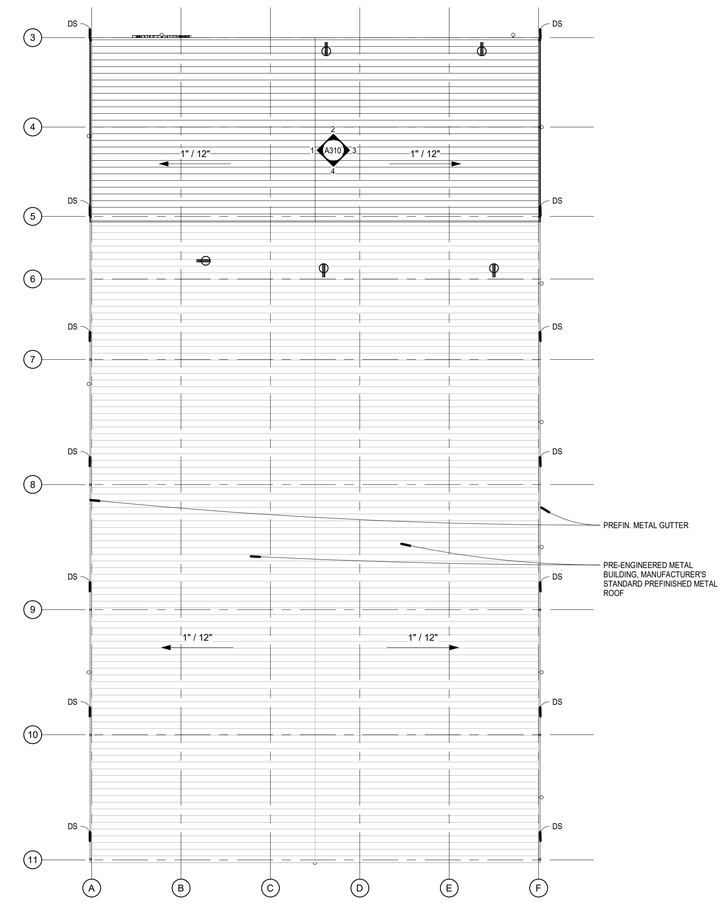
SHEET
G008



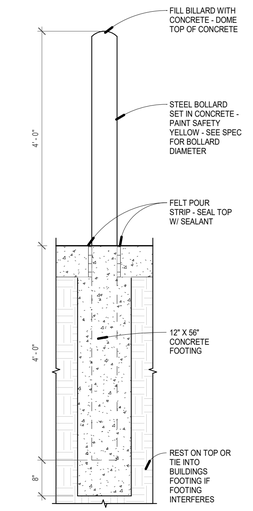
1 A101 First Floor Plan
3/32" = 1'-0"



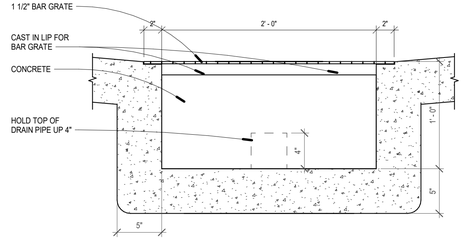
4 A101 Mezzanine Level
3/32" = 1'-0"



2 A101 Bus Storage Building Roof Plan
1/16" = 1'-0"



5 A101 Bollard Section Detail
3/4" = 1'-0"



3 A101 Drain Detail
1 1/2" = 1'-0"

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N PLAN NORTH
N TRUE NORTH

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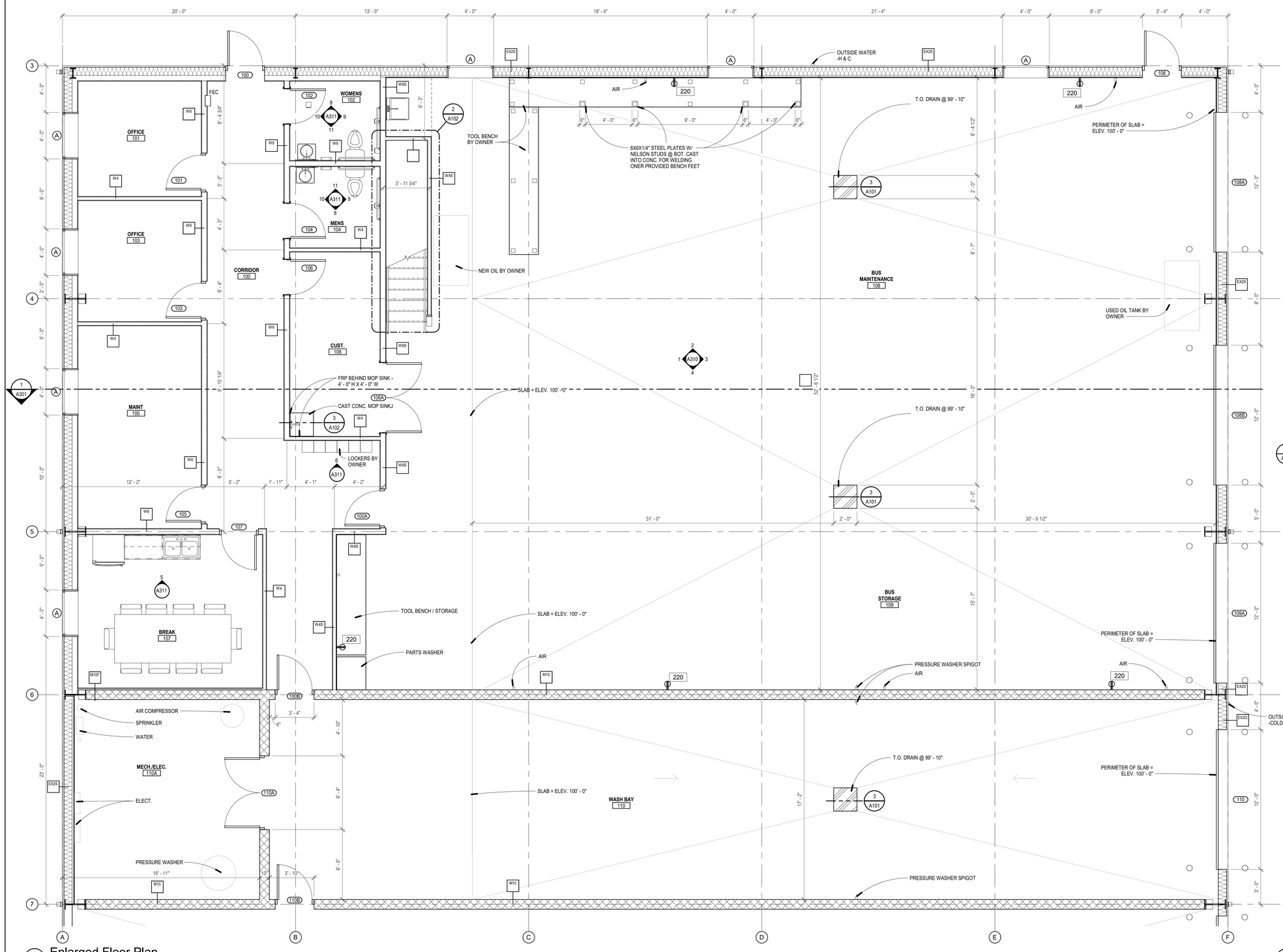
FLOOR & ROOF PLAN

SHEET
A101



1 A102 Enlargened Floor Plan
1/4" = 1'-0"

3 A102 Mop Sink Detail
3/4" = 1'-0"

2 A102 Enlarged Stairs
1/2" = 1'-0"

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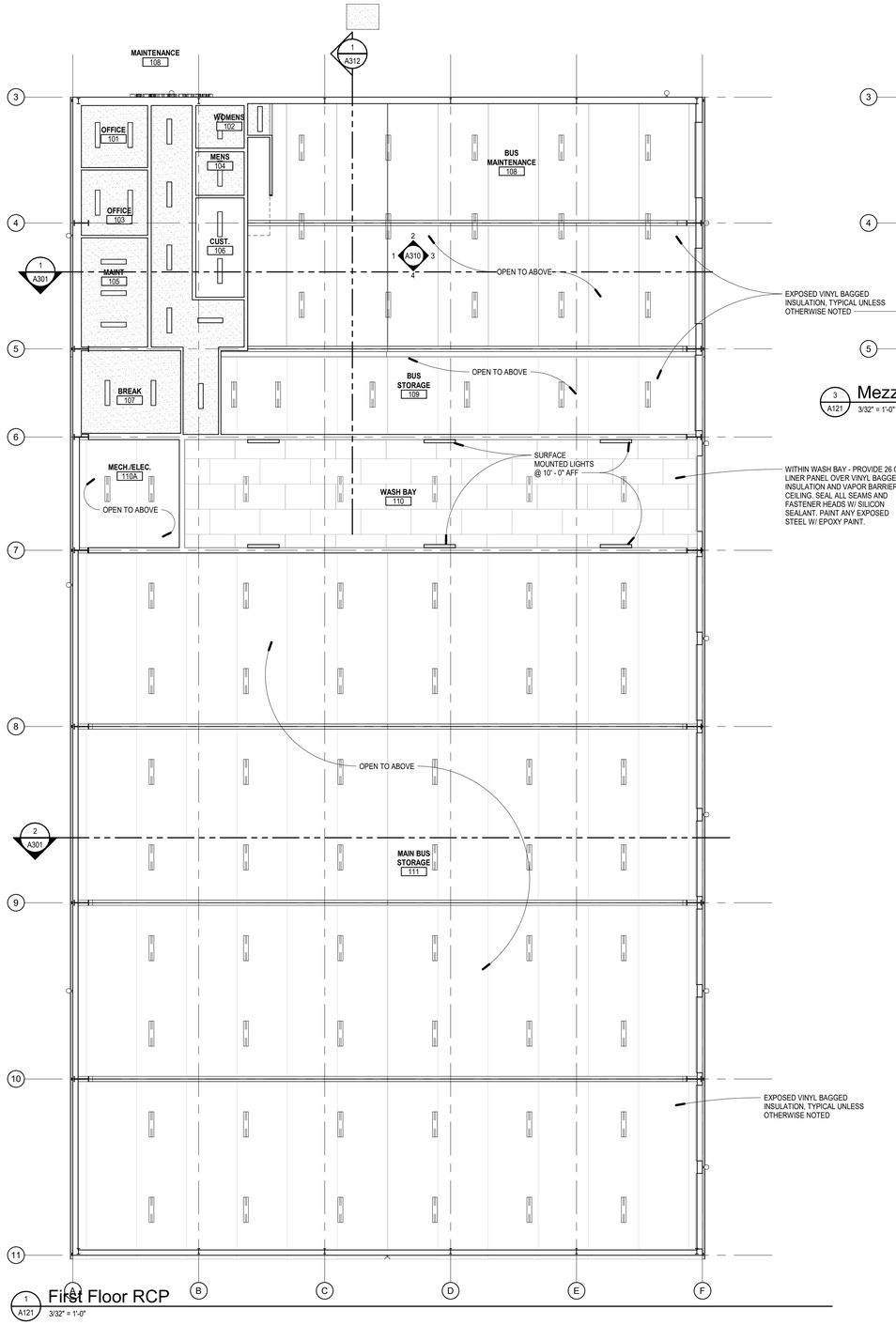
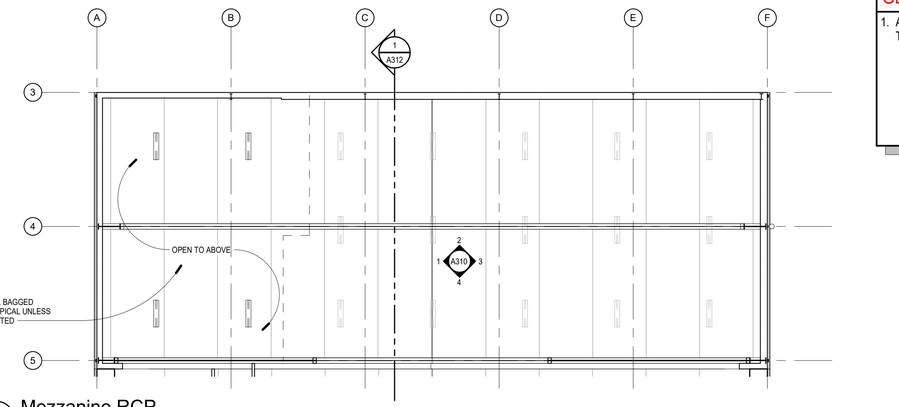
ENLARGED FLOOR PLAN

SHEET
A102

1/13/2020 10:11:45 AM BIM 360://19-023 Crookston School District/19-023 Crookston School District Bus Maintenance.rvt



1 A121 First Floor RCP
3/32" = 1'-0"



3 A121 Mezzanine RCP
3/32" = 1'-0"

REFLECTED CEILING PLAN LEGEND:

- LINEAR SURFACE MOUNTED LIGHT
- LINEAR HANGING SHOP LIGHT
- SUPPLY DIFFUSER
- RETURN DIFFUSER

GENERAL NOTES:

1. ALL OFFICE CEILING TO BE 5/8" GWB @ B.O. ASSEMBLY. TAPE TO A CLASS 4 FINISH. PAINT TO MATCH WALLS

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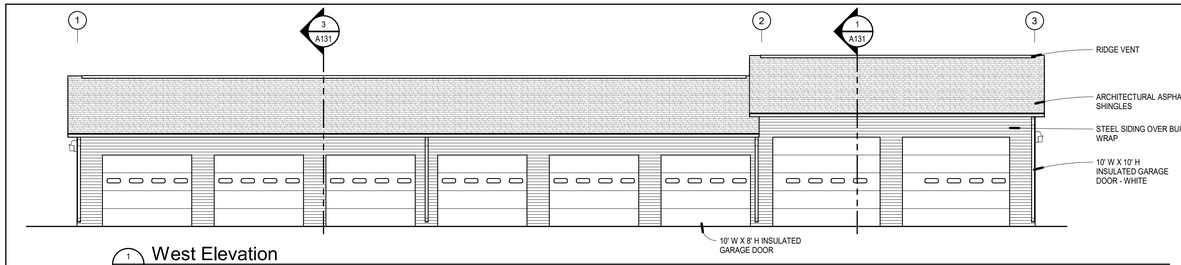
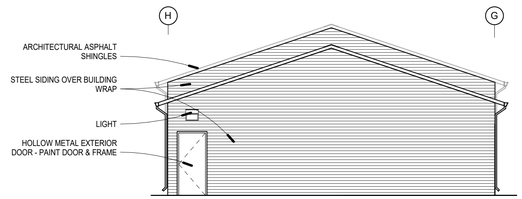
REFLECTED CEILING PLAN

SHEET
A121



1 A130 West Elevation
1/8" = 1'-0"



2 A130 North Elevation
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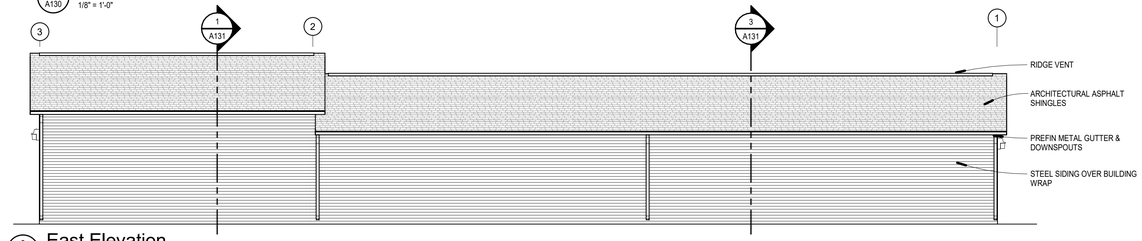
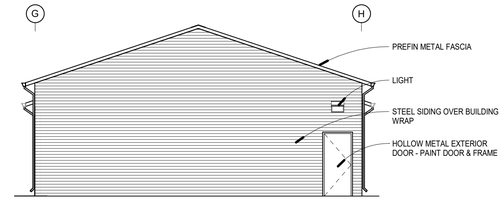
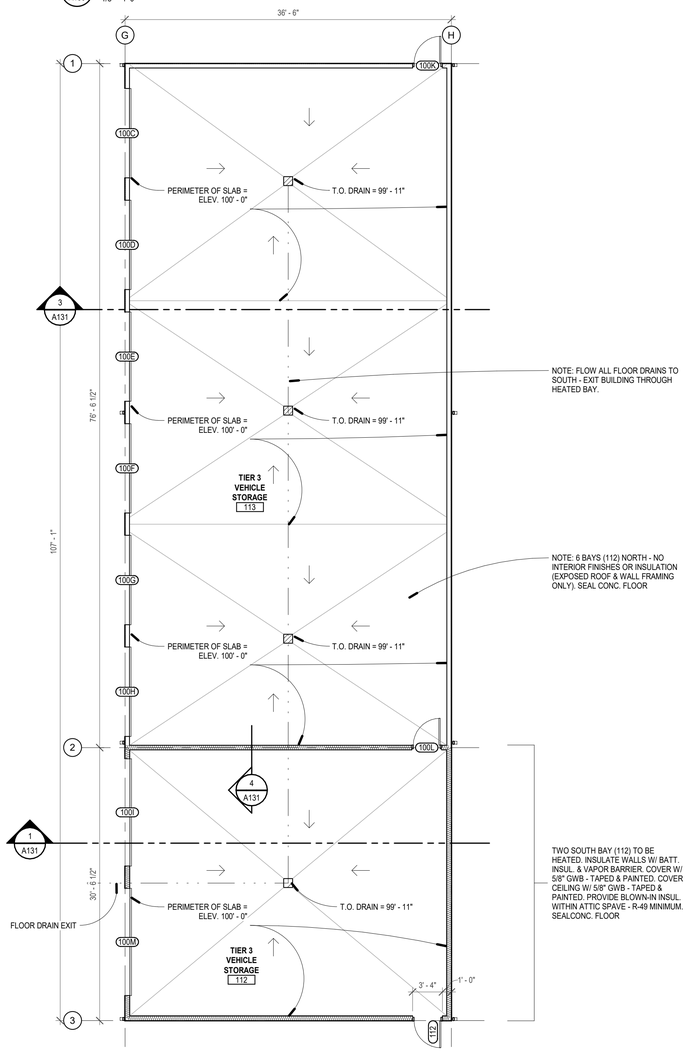


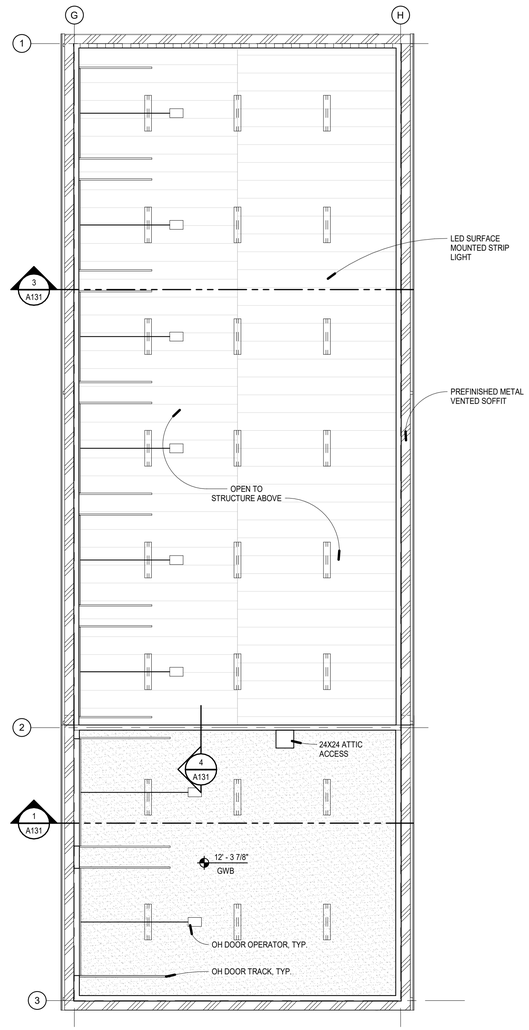
3 A130 East Elevation
1/8" = 1'-0"



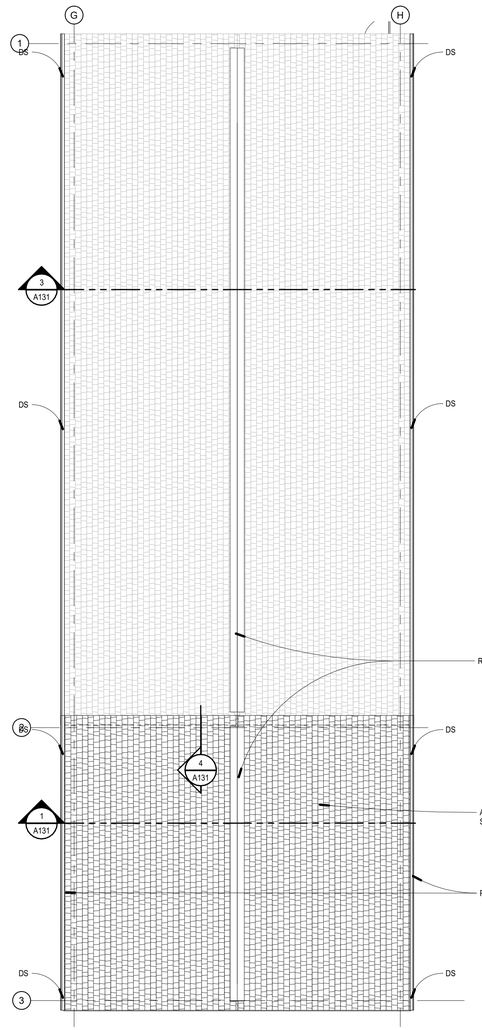
4 A130 South Elevation
1/8" = 1'-0"



5 A130 Floor Plan
1/8" = 1'-0"



8 A130 Reflected Ceiling Plan
1/8" = 1'-0"



6 A130 Roof Plan
1/8" = 1'-0"

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CROOKSTON SCHOOL DISTRICT
BUS STORAGE / MAINTENANCE FACILITY
402 FISHER AVE, SUITE 593
CROOKSTON, MN 56716

Drawing History

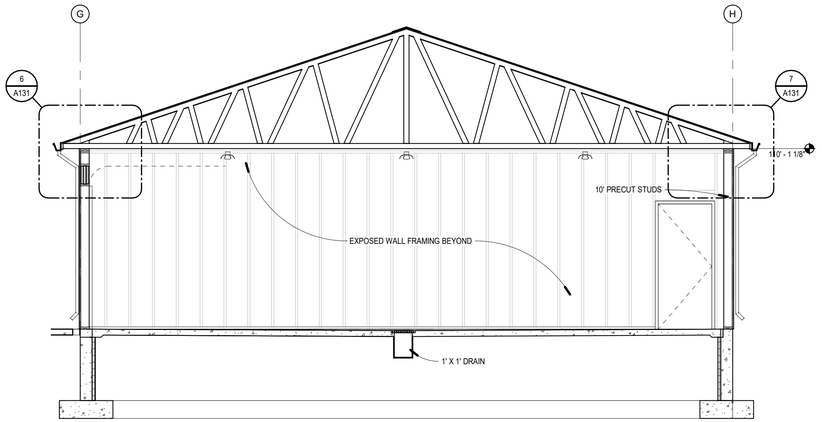
No.	Description	Date

DRAWN BY: TN/JT **JN:** 19-023

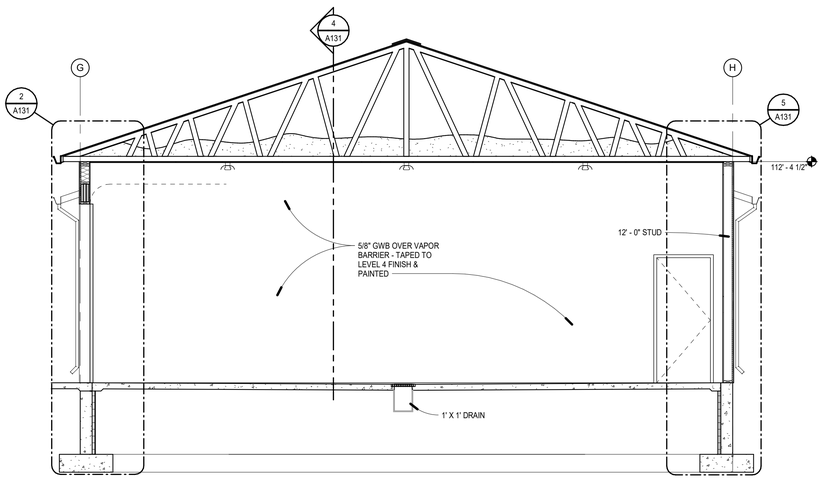
NOT FOR CONSTRUCTION

TIER 3 VEHICLE BUILDING - PLANS & ELEVATIONS

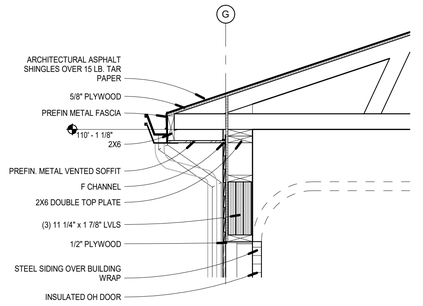
SHEET
A130



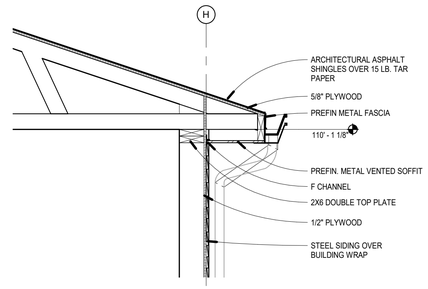
3 A131 Tier 3 Vehicle Building Section @ 10' Precut Stud
1/4" = 1'-0"



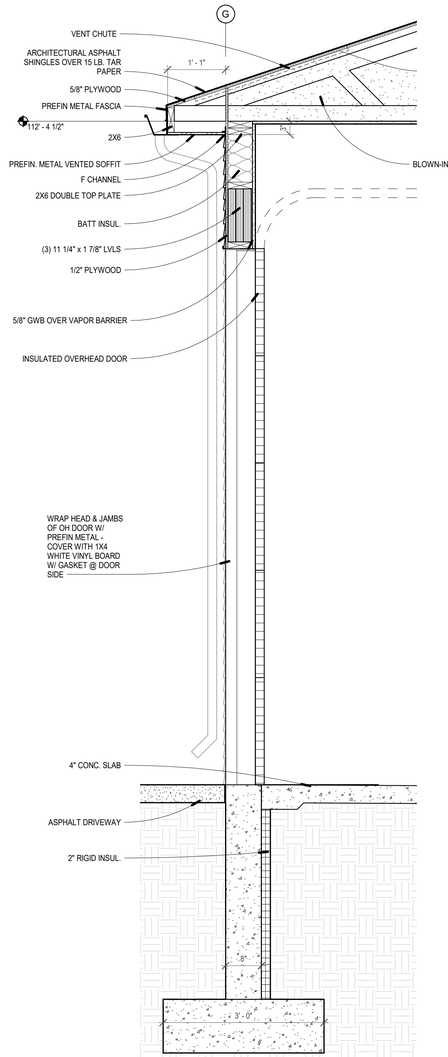
1 A131 Tier 3 Vehicle Building Section @ 12' - 0"
1/4" = 1'-0"



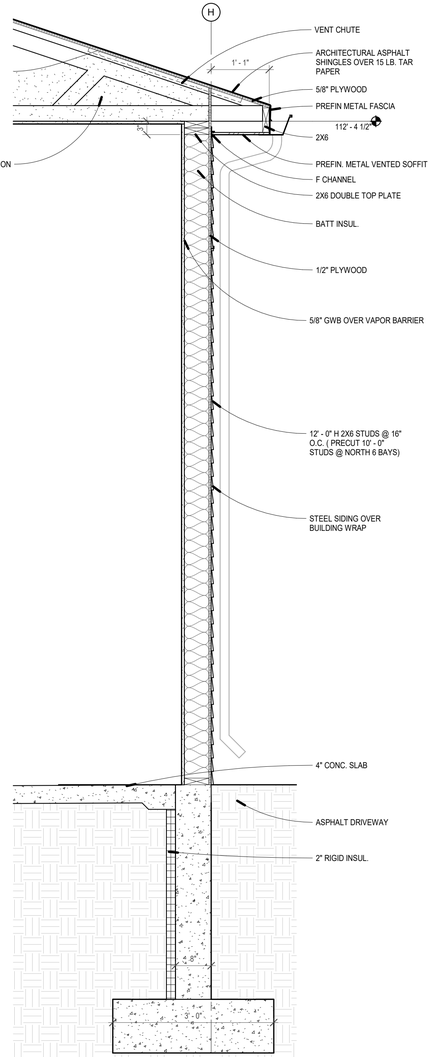
6 A131 Wall Section @ 10' Precut East
3/4" = 1'-0"



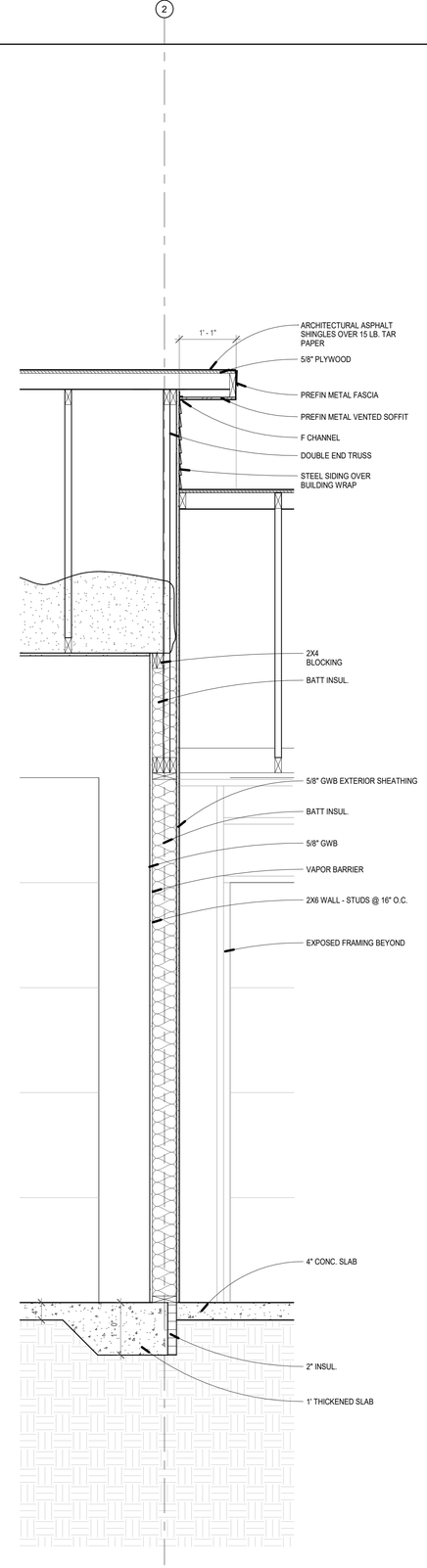
7 A131 Wall Section @ 10' Precut West
3/4" = 1'-0"



2 A131 Wall Section @ 12' West
3/4" = 1'-0"



5 A131 Wall Section @ 12' East
3/4" = 1'-0"



4 A131 Wall Section @ Dividing Wall
3/4" = 1'-0"

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Drawing History

No.	Description	Date

DRAWN BY: Author **JN:** 19-023

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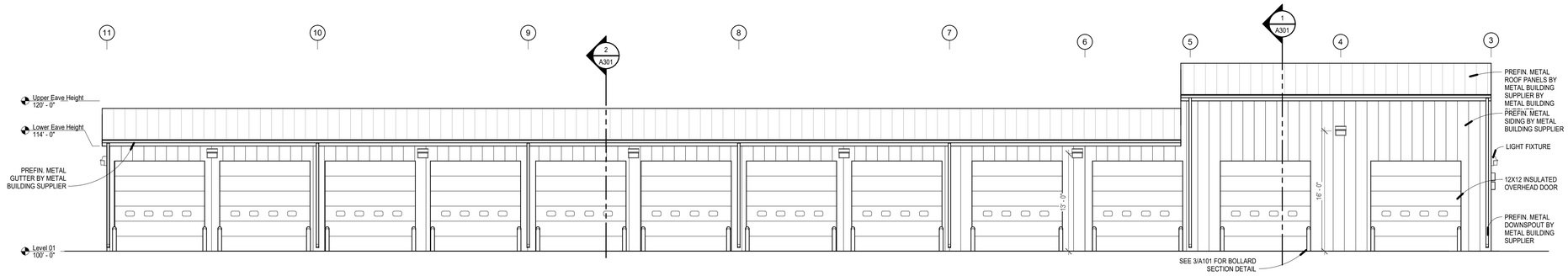
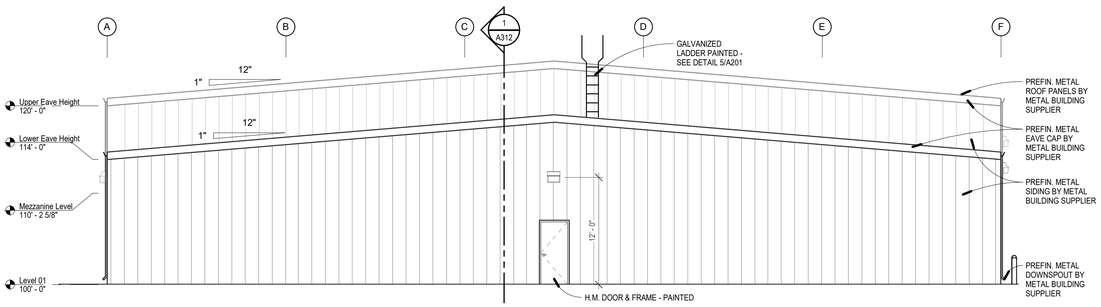
TIER 3 VEHICLE BUILDING - BUILDING & WALL SECTIONS

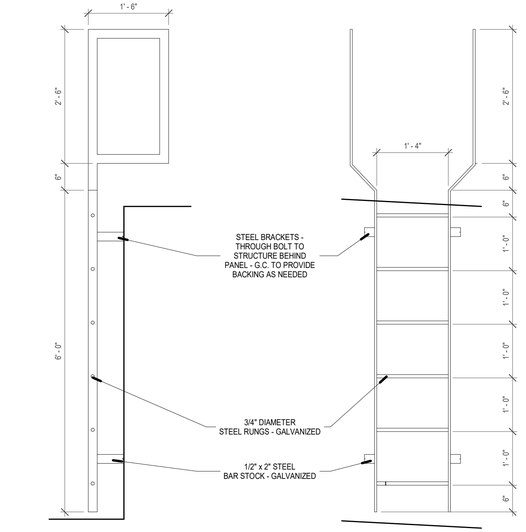
SHEET
A131



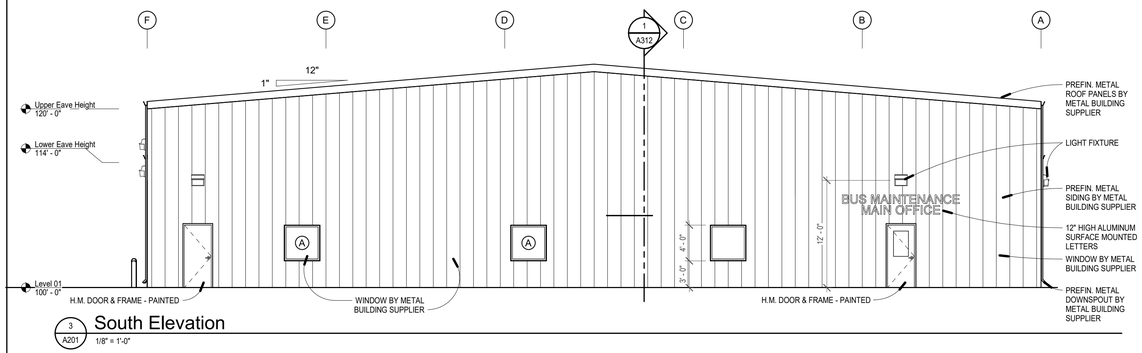
1 A201 East Elevation
1/8" = 1'-0"



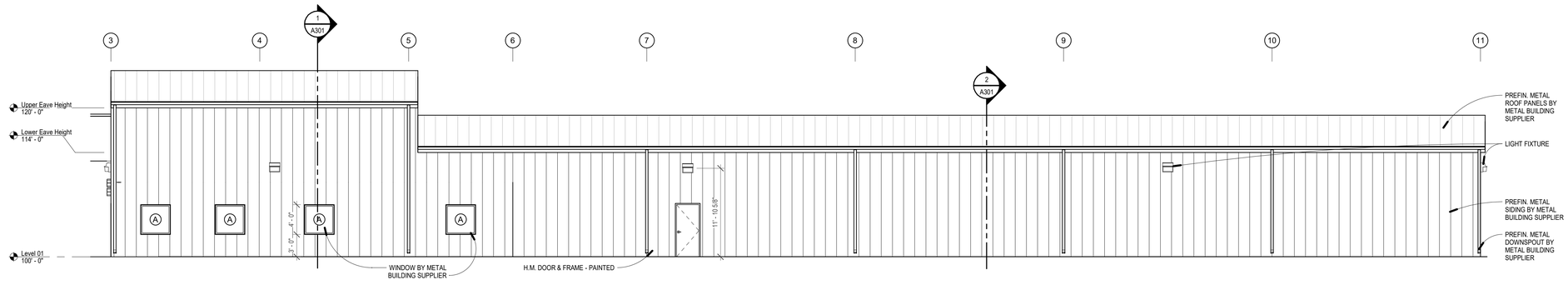
2 A201 North Elevation
1/8" = 1'-0"



5 A201 Ladder Detail
3/4" = 1'-0"



3 A201 South Elevation
1/8" = 1'-0"



4 A201 West Elevation
1/8" = 1'-0"

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Drawing History

No.	Description	Date
1	Revision 1	Date 1

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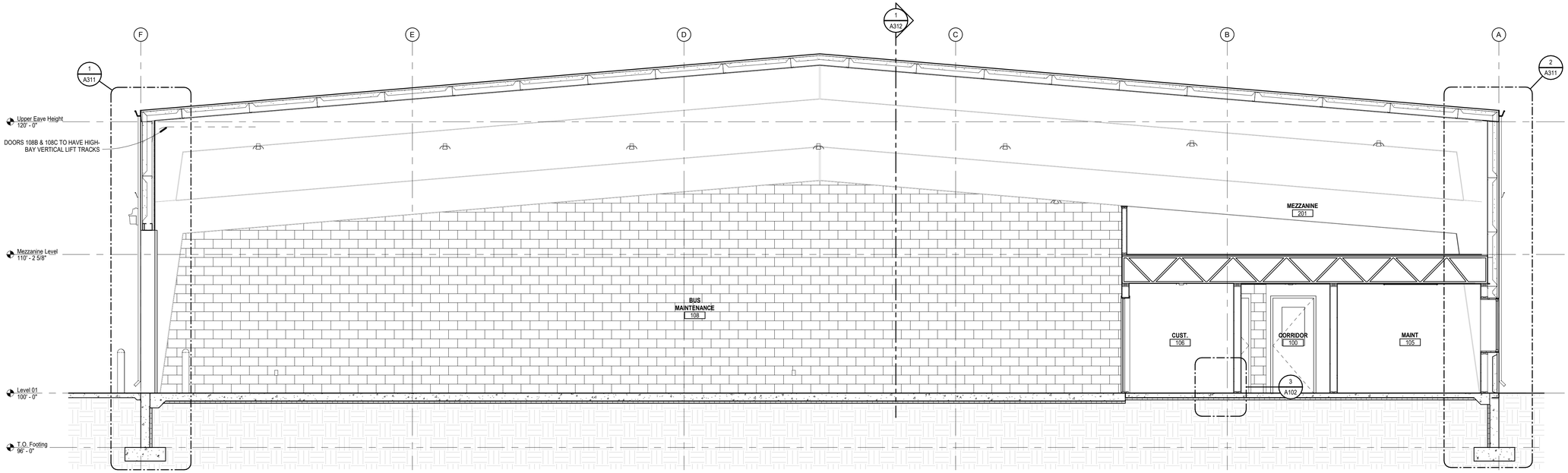
EXTERIOR ELEVATIONS - BUS BUILDING

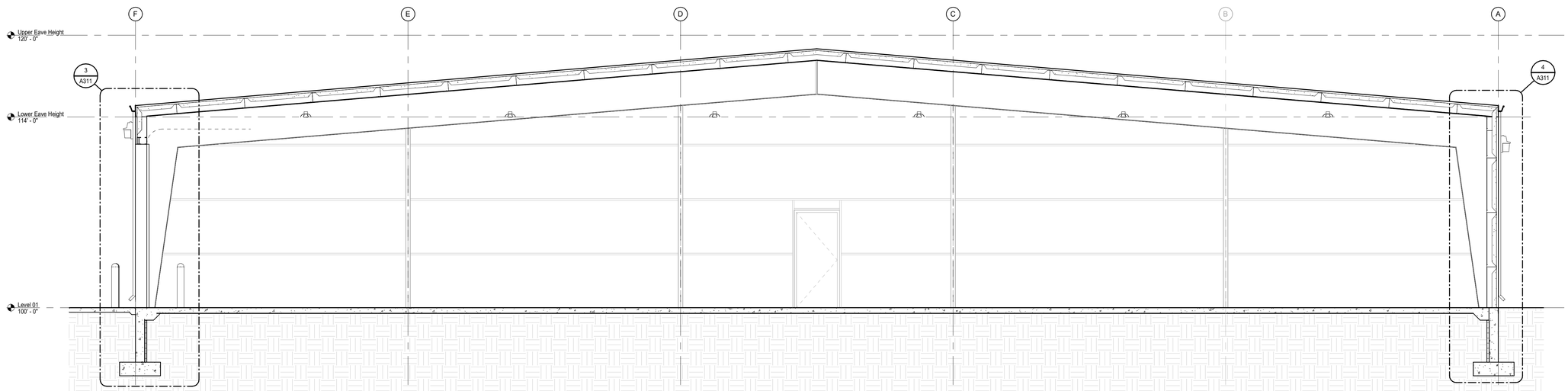
SHEET
A201

BIM 360://19-023 Crookston School District Bus Maintenance.rvt
1/13/2020 10:12:06 AM



1 A301 Building Section @ Office

1/4" = 1'-0"



2 A301 Building Section @ Bus Storage

1/4" = 1'-0"

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Drawing History

No.	Description	Date
1	Revision 1	Date 1

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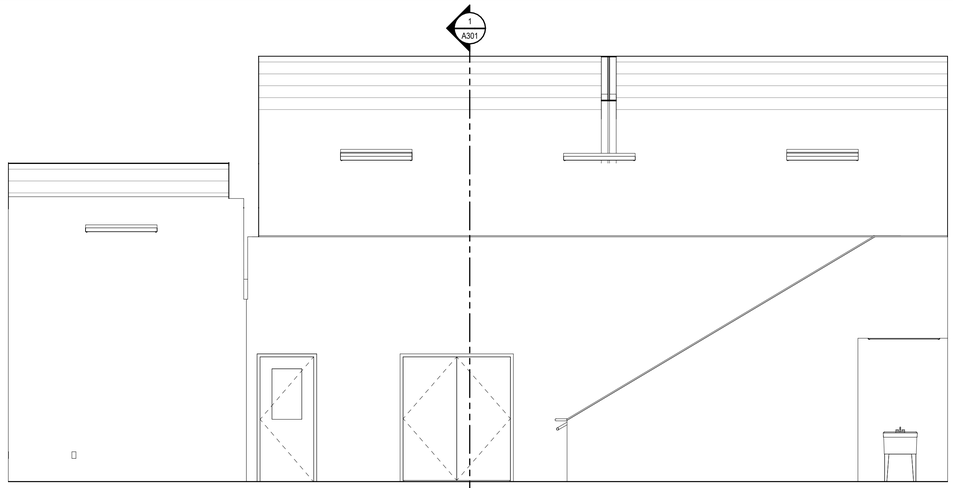
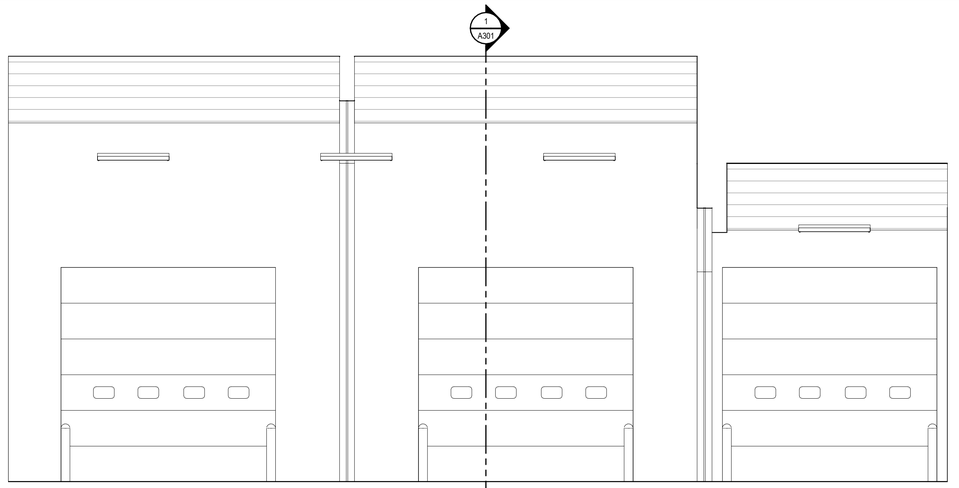
BUILDING SECTIONS

SHEET
A301



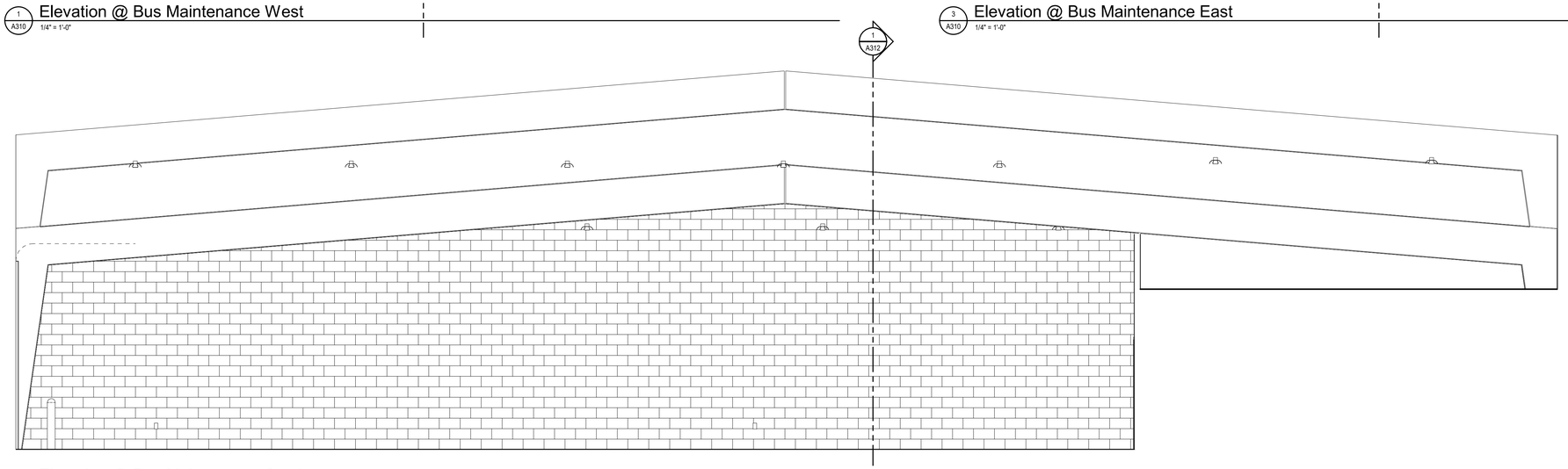
1 A301

1 A310 Elevation @ Bus Maintenance West
1/4" = 1'-0"



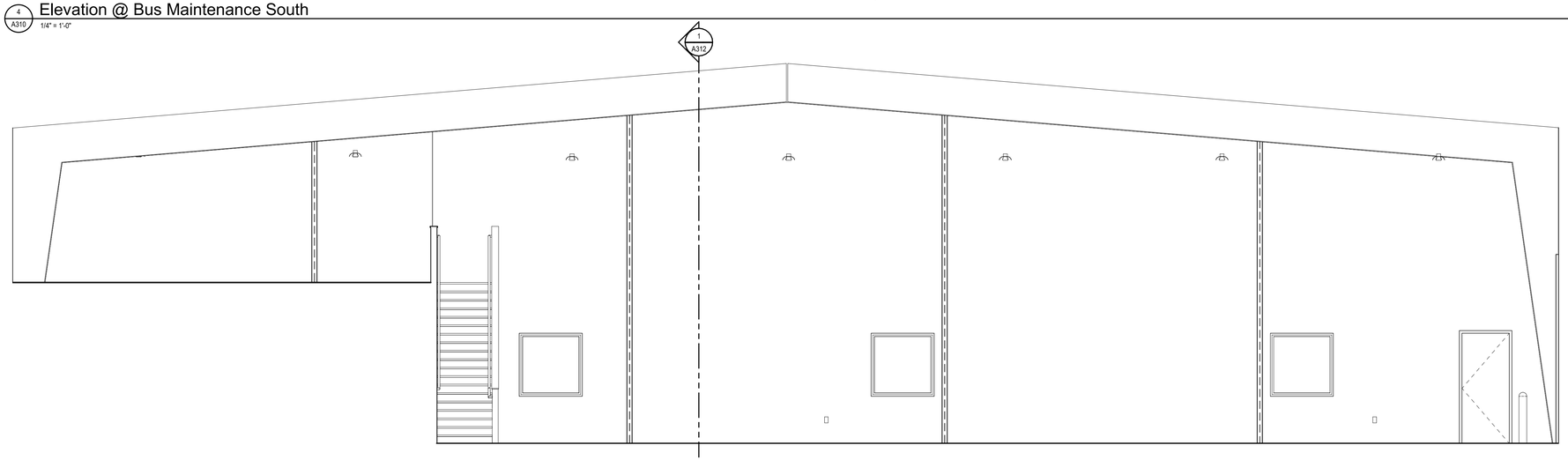
1 A301

3 A310 Elevation @ Bus Maintenance East
1/4" = 1'-0"



1 A312

4 A310 Elevation @ Bus Maintenance South
1/4" = 1'-0"



1 A312

2 A310 Elevation @ Bus Maintenance North
1/4" = 1'-0"

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Drawing History

No.	Description	Date

DRAWN BY: Author **JN:** 19-023

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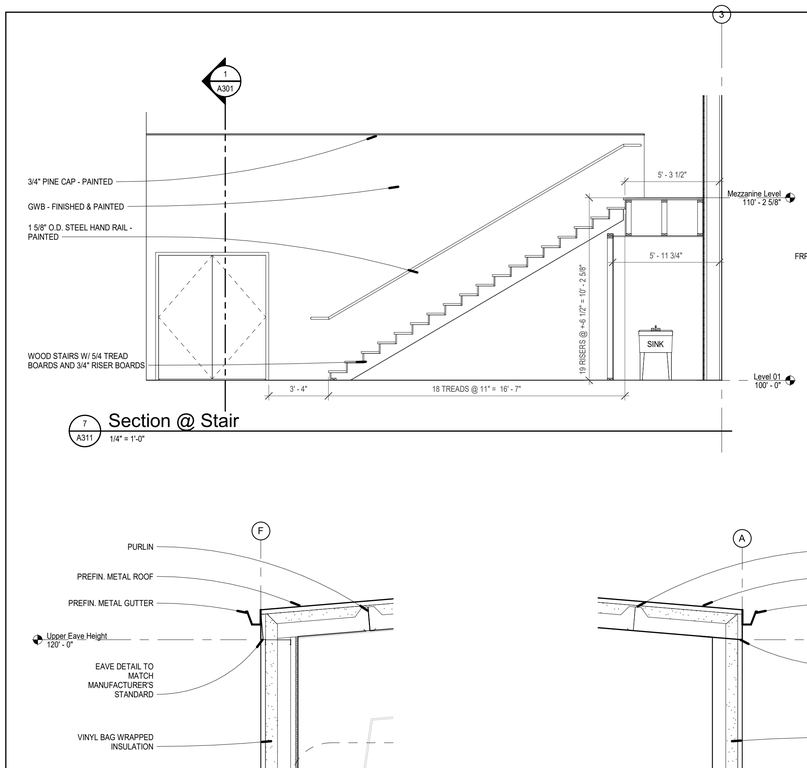
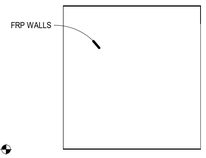
INTERIOR ELEVATIONS

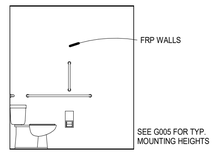
SHEET
A310



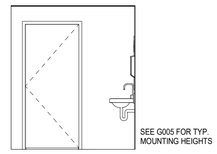
7 A311 Section @ Stair
1/4" = 1'-0"



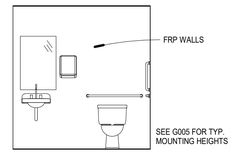
8 A311 Elevation @ Bathroom
1/4" = 1'-0"



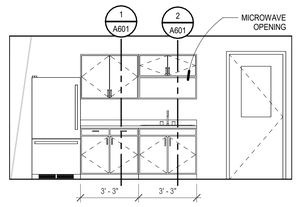
9 A311 Elevation @ Bathroom
1/4" = 1'-0"



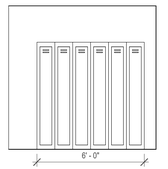
10 A311 Elevation @ Bathroom
1/4" = 1'-0"



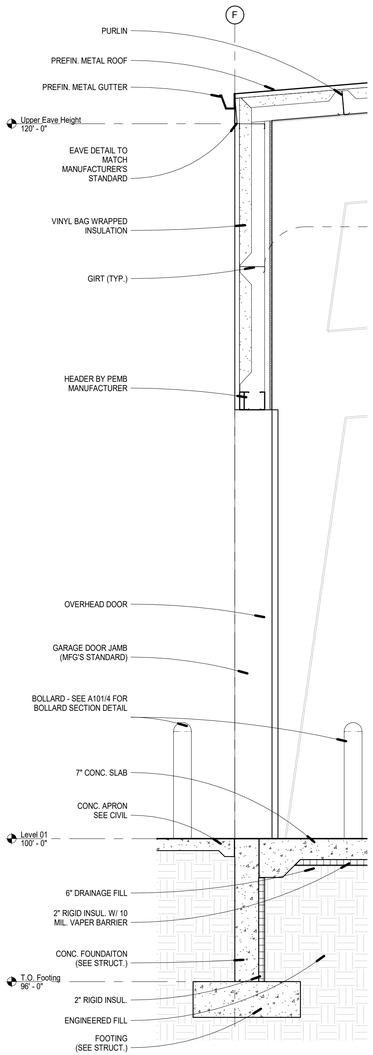
11 A311 Elevation @ Bathroom
1/4" = 1'-0"



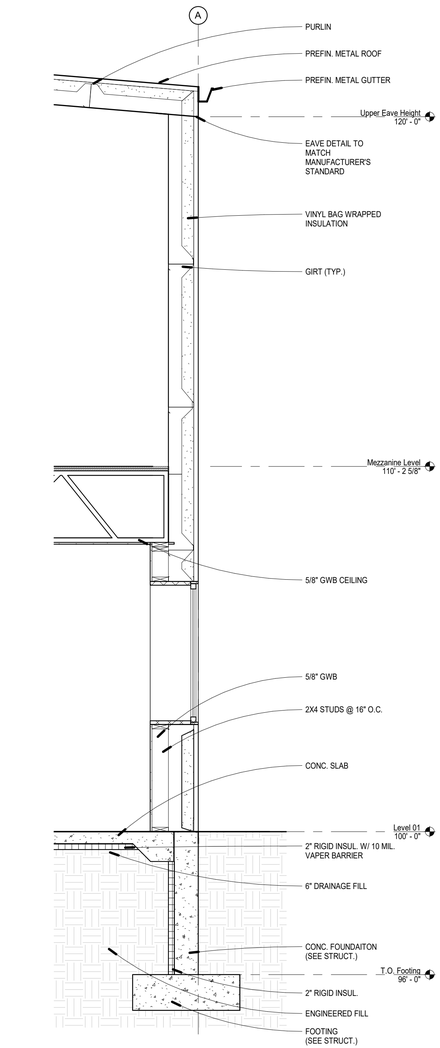
5 A311 Elevation @ Breakroom
1/4" = 1'-0"



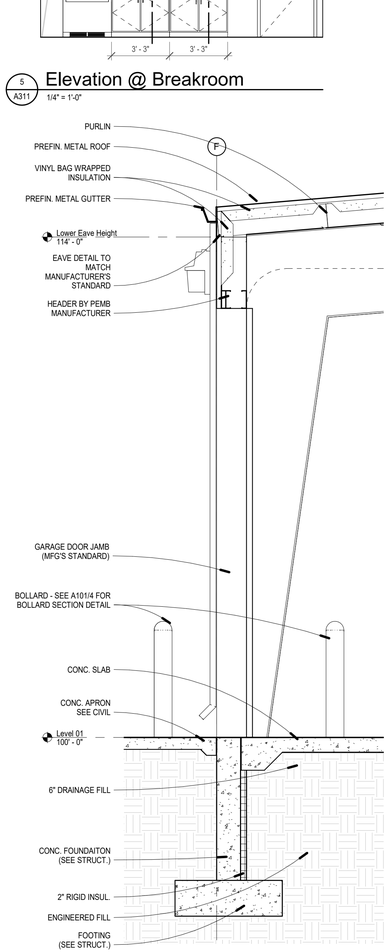
6 A311 Locker Elevations
1/4" = 1'-0"



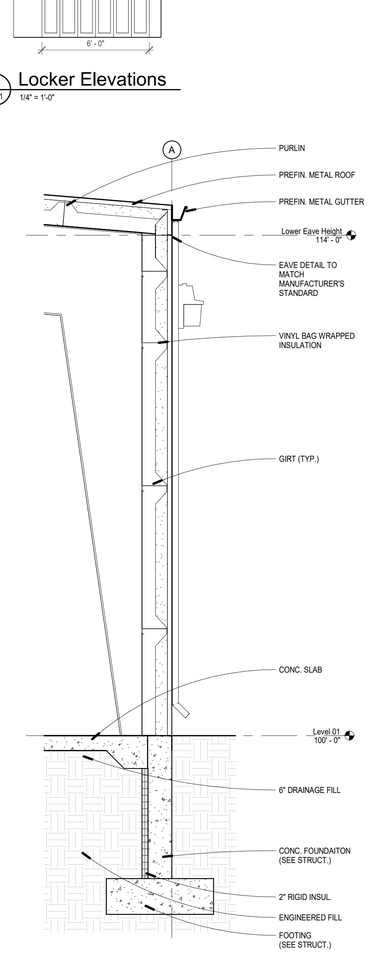
1 A311 Wall Section @ Maintenance
1/2" = 1'-0"



2 A311 Wall Section @ Office
1/2" = 1'-0"



3 A311 Wall Section @ Storage Area Overhead Door
1/2" = 1'-0"



4 A311 Typ Wall Section @ Storage Area
1/2" = 1'-0"

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Drawing History

No.	Description	Date
1	Revision 1	Date 1

DRAWN BY: TN/JT **JN:** 19-023

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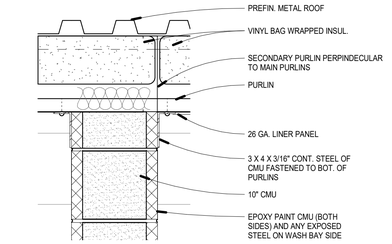
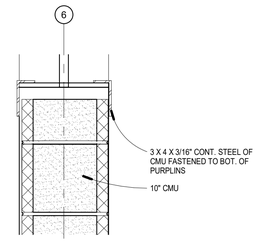
WALL SECTIONS & INT. ELEVATIONS

SHEET
A311



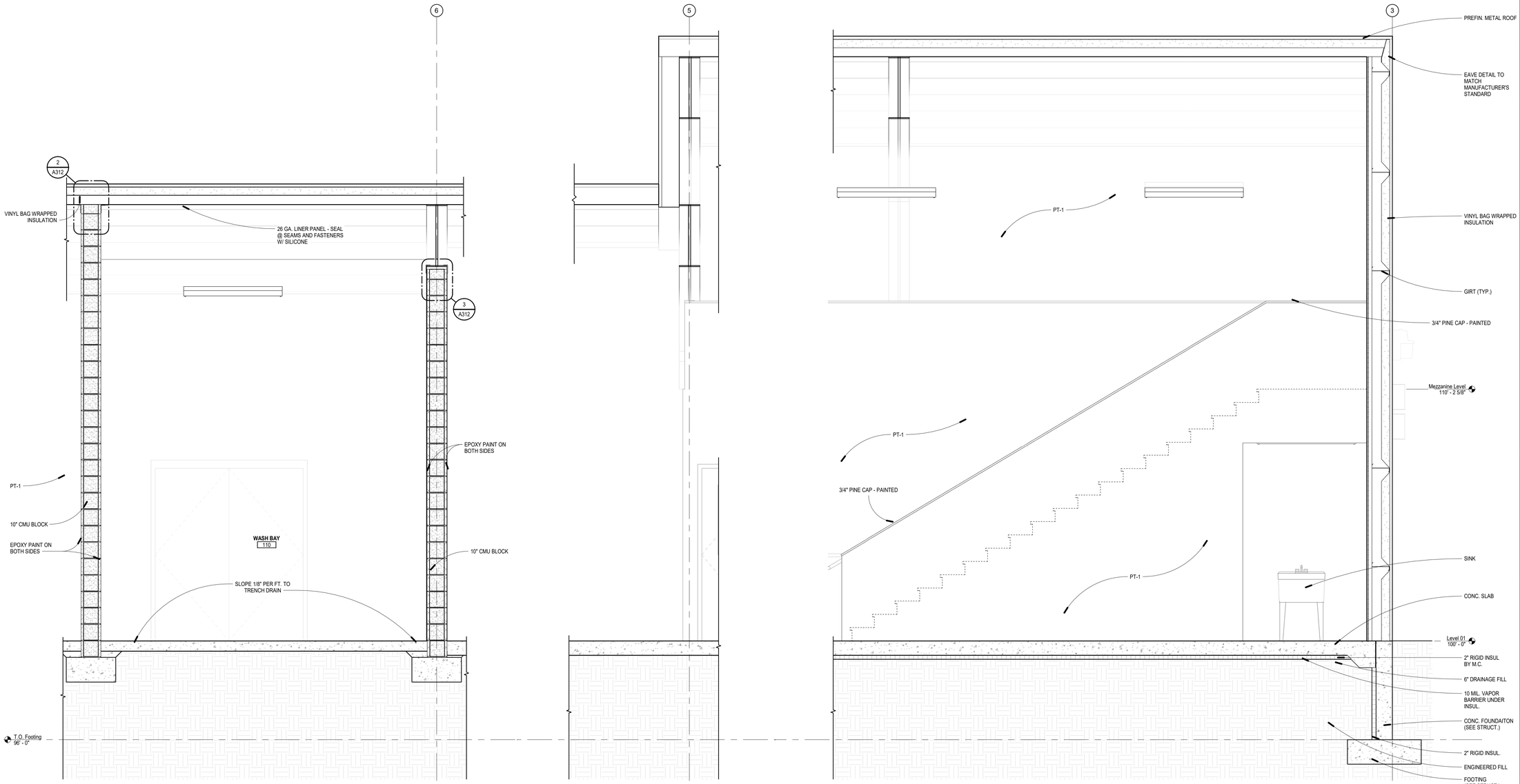
2 A312 Wash Bay Wall Head

1 1/2" = 1'-0"



3 A312 Section @ Wall / Portal Frame - Grid 3

1 1/2" = 1'-0"



1 A312 Wall Section @ Maintenance Area

1/2" = 1'-0"

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CROOKSTON SCHOOL DISTRICT
BUS STORAGE / MAINTENANCE FACILITY
402 FISHER AVE, SUITE 593
CROOKSTON, MN 56716

Drawing History

No.	Description	Date

DRAWN BY: TN/JT **JN:** 19-023

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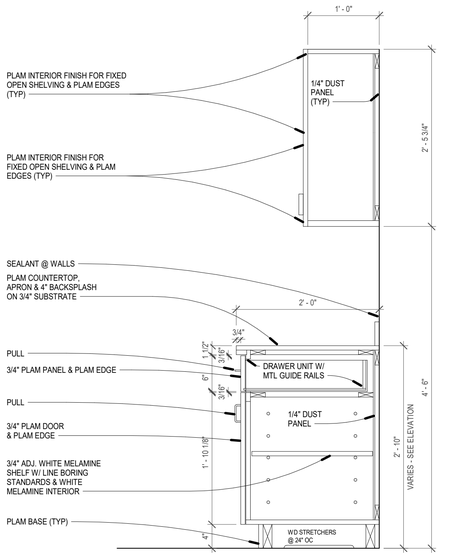
WALL SECTIONS

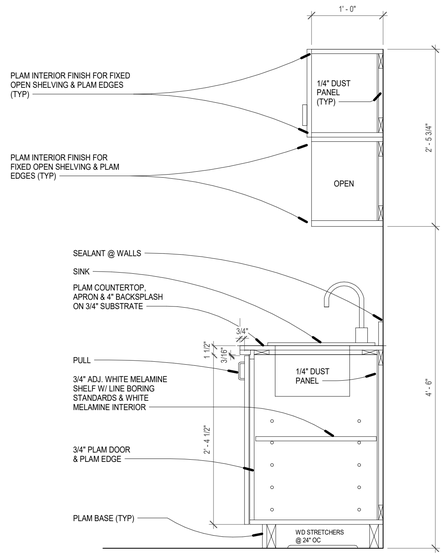
SHEET
A312

DOOR SCHEDULE

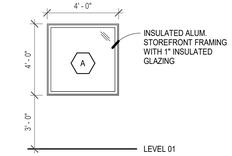
3	Room	Door Pair	Door Width	Door Height	Door Thickness	Door Type	Door Material	Door Finish	Door Glazing	Hardware	Fire Rating	Frame Type	Frame Material	Frame Finish	Comments
BUS STORAGE BUILDING															
100	CORRIDOR	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1" INSUL.	-	-	1	HM	PT	INSULATED DOOR & FRAME
100A	CORRIDOR	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
100B	CORRIDOR	N	3' - 0"	7' - 0"	1 3/4"	N	HM	PT	1/4" TEMP	-	-	2	HM	PT	
101	OFFICE	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
102	WOMENS	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
103	OFFICE	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
104	MENS	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
105	MAINT	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
106	CUST.	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
106A	CUST.	N	6' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
107	BREAK	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
108	BUS MAINTENANCE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
108A	BUS MAINTENANCE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
108B	BUS MAINTENANCE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
109A	BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
110	WASH BAY	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
110A	MECH./ELEC.	Y	6' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
110B	WASH BAY	N	3' - 0"	7' - 0"	1 3/4"	G	HM	PT	1/4" TEMP	-	-	1	HM	PT	
111A	MAIN BUS STORAGE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
111B	MAIN BUS STORAGE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
111C	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111D	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111E	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111F	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111G	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111H	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111J	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
111K	MAIN BUS STORAGE	N	12' - 0"	12' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
TIER 3 VEHICLE STORAGE															
100C	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100D	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100E	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100F	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100G	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100H	TIER 3 VEHICLE STORAGE	N	10' - 0"	8' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100I	TIER 3 VEHICLE STORAGE	N	12' - 0"	10' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
100K	TIER 3 VEHICLE STORAGE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
100L	TIER 3 VEHICLE STORAGE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	
100M	TIER 3 VEHICLE STORAGE	N	12' - 0"	10' - 0"	2"	O.S.D.	STEEL	PREFIN.	1"	-	-	-	-	-	INSULATED O.H. DOOR
112	TIER 3 VEHICLE STORAGE	N	3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	1	HM	PT	INSULATED DOOR & FRAME



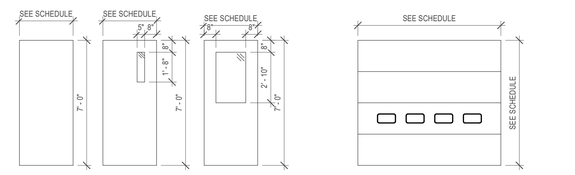
1 A601 Casework Section
1" = 1'-0"



2 A601 Casework Section
1" = 1'-0"

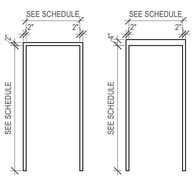


Window A
1/4" = 1'-0"



DOOR TYPE - F DOOR TYPE - N DOOR TYPE - G DOOR TYPE - O.S.D. (Overhead Sectional Door)

4 A601 PANEL TYPES - DOORS
1/4" = 1'-0"



FRAME TYPE - 1 FRAME TYPE - 2

3 A601 FRAME TYPES - DOORS
1/4" = 1'-0"

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CROOKSTON SCHOOL DISTRICT
BUS STORAGE / MAINTENANCE FACILITY
402 FISHER AVE, SUITE 593
CROOKSTON, MN 56716

Drawing History

No.	Description	Date
1	Revision 1	Date 1

DRAWN BY: TN/JT **JN:** 19-023

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DOOR SCHEDULE

SHEET
A601

ABBREVIATIONS:

ACT:	ACOUSTICAL CEILING TILE
BRK:	BRICK
CG:	CORNER GUARD
CMU:	CONCRETE MASONRY UNIT
CMU-G:	CONCRETE MASONRY UNIT (GLAZED)
CMU-B:	CONCRETE MASONRY UNIT (BURNISHED)
CMU-S:	CONCRETE MASONRY UNIT (STANDARD 8"X8" SCORED)
CONC:	CONCRETE
CONC-S:	SEALED CONCRETE
CPT:	CARPET
CPT-AS:	CARPET -ANTI-STATIC
CPT-ESD:	CARPET -ELECTROSTATIC DISCHARGE
CS:	CAST STONE
CT:	CERAMIC TILE
CTB:	CERAMIC TILE BASE
EXP:	EXPOSED
FRP:	FIBERGLASS REINFORCED PANEL
FRT:	FRY REGLET REVEAL TRIM
FWP:	FABRIC-WRAPPED ACOUSTICAL PANEL
GWB:	GYPSUM WALL BOARD
GL:	GLASS
LVT:	LUXURY VINYL TILE
MIR:	MIRROR
MTL:	METAL
MTLP:	METAL PROFILE TRIM
N:	NONE
PLAM:	PLASTIC LAMINATE
PLAS:	PLASTER - STANDARD
PT:	PAINT
PT-E:	PAINT - EPOXY
PRF:	PREFINISHED
PWP:	PREFINISHED WALL PANEL
OWP:	OPERABLE WALL PANEL
QT:	QUARRY TILE
QTB:	QUARRY TILE BASE
RAF:	RESILIENT ATHLETIC FLOORING
RB:	RUBBER BASE
RSTR:	RUBBER STAIR TREADS - RISERS
SC:	SPECIAL COATING - SEE SPECS
SDT:	STATIC DISSIPATIVE TILE
SLT:	SLATE
SLT-T:	SLATE TILE
SS:	SOLID SURFACE
ST:	STONE
STN:	STAIN
SV:	SHEET VINYL
SWU:	SOUND-ABSORBING WALL UNIT
TBWP:	TRAFFIC BEARING WATER PROOFING
TP:	TOILET PARTITION
VB:	VINYL BASE
VCT:	VINYL COMPOSITION TILE
VP:	VINYL PLANK FLOORING
VT:	VINYL TILE FLOORING
VWC:	VINYL WALL COVERING
WD:	WOOD
WOM:	WALK-OFF MAT
WRS:	WINDOW ROLLER SHADES

GENERAL NOTES:

1.

FINISH REMARKS:

1.

ROOM FINISH SCHEDULE

Number	Name	Floors				Walls												Ceiling		Finish Remarks
		Flooring		Base		North			East			South			West					
		Material	Code	Material	Code	Material	Finish	Code	Material	Finish	Code	Material	Finish	Code	Material	Finish	Code	Material	Code	
100	CORRIDOR																			
101	OFFICE																			
102	WOMENS																			
103	OFFICE																			
104	MENS																			
105	MAINT																			
106	CUST.																			
107	BREAK																			
108	BUS MAINTENANCE																			
109	BUS STORAGE																			
110	WASH BAY																			
110A	MECH./ELEC.																			
111	MAIN BUS STORAGE																			
112	TIER 3 VEHICLE STORAGE																			
113	TIER 3 VEHICLE STORAGE																			
201	MEZZANINE																			

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ROOM FINISH SCHEDULE

SHEET
A602

COLOR SCHEDULE

DIVISION	TYPE	MARK	MANUFACTURER	STYLE	COLOR	SIZE	INSTALLATION	GROUT	LOCATION	COMMENTS
ENTRANCE FLOOR MAT										
09 68 13	WOM	1								
09 68 13	WOM	2								
CARPET TILE										
09 68 13	CPT	1								
09 68 13	CPT	2								
09 68 13	CPT	3								
09 68 13	CPT	4								
CARPET (BROADLOOM)										
09 68 16	CPT	5								
09 68 16	CPT	6								
CERAMIC TILE										
09 30 00	CT	1								
09 30 00	CT	2								
09 30 00	CT	3								
09 30 00	CT	4								
09 30 00	CT	5								
09 30 00	CT	6								
METAL PROFILE TRIMS										
09 30 00	MTLP	1								
09 30 00	MTLP	2								
METAL REVEAL TRIM										
09 30 00	FRT	1								
LUXURY VINYL TILE										
09 65 19	LVT	1								
09 65 19	LVT	2								
VINYL COMPOSITE TILE										
09 65 19	VCT	1								
09 65 19	VCT	2								
VINYL BASE										
09 60 00	VB	1								
09 60 00	VB	2								
RUBBER STAIR TREADS - RISERS										
09 60 00	RSTR	1								
VINYL WALL COVERING										
09 72 00	VWC	1								
09 72 00	VWC	2								
INTERIOR PAINTING										
09 91 23	PT	1								
09 91 23	PT	2								
09 91 23	PT	3								
09 91 23	PT	4								
09 91 23	PT	5								
09 91 23	PT	6								
PLASTIC LAMINATE										
06 40 23	PLAM	1								
06 40 23	PLAM	2								
06 40 23	PLAM	3								
06 40 23	PLAM	4								
SOLID SURFACE MATERIAL										
12 36 61	SS	1								
12 36 61	SS	2								
ACOUSTICAL PANEL CEILING										
09 51 23	ACT	1								
TOILET PARTITIONS										
10 21 13	TP	1								
FIBERGLASS REINFORCED PLASTIC										
06 64 00	FRP	1								
CORNER GUARD										
10 26 00	CG	1								
OPERABLE WALL PANEL										
10 22 38	OWP	1								
SOUND-ABSORBING WALL UNITS										
09 84 33	SWU	1								
ROLLER WINDOW SHADES										
12 24 13	WRS	1								
12 24 13	WRS	2								

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COLOR SCHEDULE

SHEET
A603