BOND PROJECTS PHASE 5 - BID SET

HIGHVIEW ELEMENTARY SCHOOL (HE) - S.E.D. #: 50-01-08-03-0-002-020 BARR MIDDLE SCHOOL (BM) - S.E.D. #: 50-01-08-03-0-004-022



DRAWING LIST

G-031 - GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS G-041 - EXTERIOR WALL ASSEMBLIES & INTERIOR WALL TYPES

HE-S001 - STRUCTURAL NOTES HE-S101 - VESTIBULE FRAMING PLAN

HIGH VIEW ELEMENTARY SCHOOL - ARCHITECTURAL

HE-G101 - 1ST FLOOR LIFE SAFETY PLAN HE-G102 - 2ND FLOOR LIFE SAFETY PLAN HE-AD000 - DEMOLITION REFERENCE PHOTOS HE-AD100 - GROUND FLOOR DEMOLITION PLAN HE-AD101 - FIRST FLOOR DEMOLITION PLAN HE-AD102 - SECOND FLOOR DEMOLITION PLAN

HE-AD104 - DEMOLITION PLAN & RCP - GYMNATORIUM HE-AD105 - DEMOLITION PLAN & RCP - TOILETS AND SECURITY VESTIBULE

HE-A100 - GROUND FLOOR PLAN HE-A101 - 1ST FLOOR PLAN HE-A102 - 2ND FLOOR PLAN

HE-A401 - ENLARGED FLOOR PLAN - GYMATORIUM HE-A402 - ENLARGED RCP - GYMATORIUM

HE-A403 - ENLARGED FLOOR PLAN & RCP - CAFETERIA TOILETS HE-A404 - ENLARGED FLOOR PLAN & RCP - TOILETS

HE-A405 - ENLARGED FLOOR PLANS & RCP - SECURITY VESTIBULE **HE-A406 - GYMATORUIM ELEVATIONS**

HE-A531 - INTERIOR DETAILS - CAFETERIA RAMP, GYMATORIUM, STAIR GATE

HE-A551 - CEILING DETAILS - TOILETS, GYMATORIUM

HE-A601 - DOOR SCHEDULES & DETAILS HE-A641 - INTERIOR WINDOW SCHEDULE AND DETAILS

HE-A801 - INTERIOR FINISH SCHEDULE

HIGH VIEW ELEMENTARY SCHOOL - MECHANICAL

HE-MR101 - LOWER LEVEL AND FIRST FLOOR HVAC REMOVAL HE-MR102 - SECOND FLOOR AND ATTIC HVAC REMOVAL

HE-MR103 - HVAC ROOF REMOVALS HE-M001 - HVAC SYMBOLS, LEGENDS AND ABBREVIATIONS

HE-M002 - HVAC SCHEDULES HE-M101 - OVERALL LOWER-LEVEL PLAN

HE-M102 - OVERALL FIRST FLOOR PLAN HE-M103 - OVERALL SECOND FLOOR PLAN

HE-M104 - LOWER LEVEL AND FIRST FLOOR HVAC PLANS HE-M105 - SECOND FLOOR AND ATTIC LEVEL HVAC PLANS

HE-M106 - HVAC ROOF PLANS

HIGH VIEW ELEMENTARY SCHOOL - PLUMBING

HE-P001 - LEGENDS, SCHEDULES, AND DETAILS HE-P101 - GROUND FLOOR SANITARY AND VENT INSTALLATION PLAN HE-P102 - FIRST FLOOR SANITARY AND VENT INSTALLATION PLAN

HE-P103 - SECOND FLOOR SANITARY AND VENT INSTALLATION PLAN HE-P201 - BASEMENT DOMESTIC WATER INSTALLATION PLAN HE-P202 - FIRST FLOOR DOMESTIC WATER INSTALLATION PLAN HE-P203 - SECOND FLOOR DOMESTIC WATER INSTALLATION PLAN

OEC BUILDING - STRUCTURAL

OEC-S001 - STRUCTURAL NOTES OEC-S101 - ENTRY WAY FOUNDATION PLAN OEC-S301 - STRUCTURAL SECTIONS

HE-FP101 - FIRE PROTECTION PLANS

OEC BUILDING - ARCHITECTURAL

OEC-S501 - STRUCTURAL DETAILS

OEC-G101 – FIRST FLOOR LIFE SAFETY PLAN OEC-AD000 - DEMOLITION REFERENCE PHOTOS OEC-AD100 - BASEMENT FLOOR DEMOLITION PLAN OEC-AD101 - FIRST FLOOR DEMOLITION PLAN OEC-AD111 - FIRST FLOOR DEMOLITION RCP

OEC-A100 - BASEMENT PLAN OEC-A101 - 1ST FLOOR PLAN OEC-A111 - 1ST FLOOR RCP

OEC-A401 - ENLARGED PLAN - STAIRS AND RAMP OEC-A601 - DOOR SCHEDULE AND DETAILS

OEC BUILDING - MECHANICAL OEC-MR101 - BASEMENT REMOVALS

OEC-M001 - HVAC SYMBOLS, LEGENDS AND ABBREVIATIONS OEC-M101 - BASEMENT PLAN

OEC-M102 - FIRST FLOOR PLAN

OEC BUILDING - ELECTRICAL OEC-E101 - OVERALL ELECTRICAL PLAN

OEC BUILDING - PLUMBING OEC-PR101 - PLUMBING REMOVLAS PLAN

MAINTENANCE BUILDING - ARCHITECTURAI MB-G101 – FIRST FLOOR LIFE SAFETY PLAN

MB-AD000 - DEMOLITION REFERENCE PHOTOS MB-AD100 - FIRST FLOOR DEMOLITION PLAN, RCP, AND ELEVATIONS MB-A101 - FIRST FLOOR PLAN, RCP, AND ELEVATIONS

MB-A401 - ENLARGED PLAN, RCP, FINISH PLAN, AND FINISH SCHEDULE - OFFICE MB-A501 - EXTERIOR DETAILS - NEW ENVELOPE

MB-A521 - ROOF DETAILS - SKYLIGHT INFILL

MAINTENANCE BUILDING - MECHANICAL MB-MR101 - FIRST FLOOR REMOVALS

MAINTENANCE BUILDING - ELECTRICAL

MB-E101 - OVERALL ELECTRICAL PLAN

MB-M001 - HVAC SYMBOLS, LEGENDS AND ABBREVIATIONS MB-M002 - HVAC SCHEDULES & DETAILS

MB-M101 - FIRST FLOOR PLAN

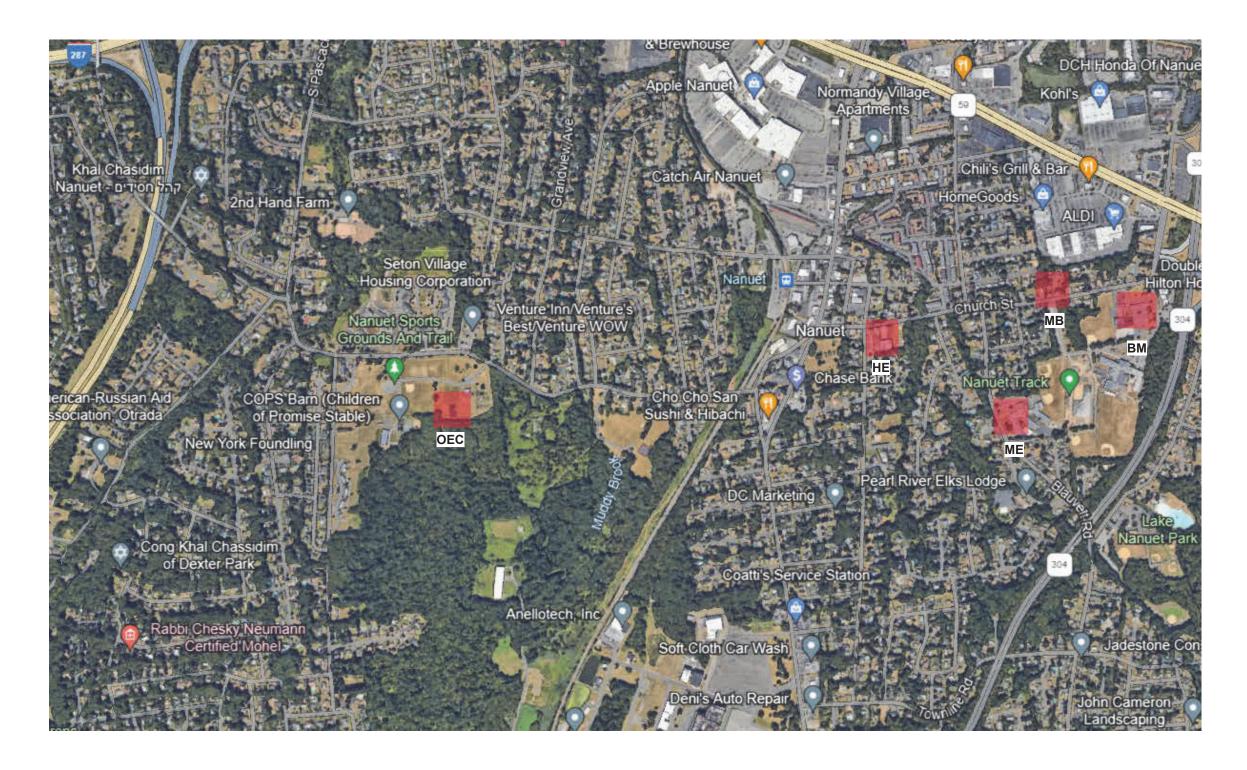
BM-G021 - CODE COMPLIANCE BM-G101 - FIRST FLOOR LIFE SAFETY PLAN BM-G102 - SECOND FLOOR LIFE SAFETY PLAN BM-AD000 - DEMOLITION REFERENCE PHOTOS BM-AD101 - FIRST FLOOR DEMOLITION PLAN BM-AD111 - FIRST FLOOR DEMOLITION RCP

BM-A101 - FIRST FLOOR PLAN BM-A111 - FIRST FLOOR RCP BM-A121 - OVERALL CANOPY ROOF PLAN BM-A201 - CANOPY ELEVATION & 3D VIEW

BARR MIDDLE SCHOOL - ELECTRICAL



BM-A301 - CANOPY SECTIONS



DESIGN CONFORMS TO APPLICABLE DEPARTMENT BUILDING STANDARDS

ARCHITECT SEAL

PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, NEW YORK STATE ENERGY CONSERVATION AND CONSTRUCTION CODE AND THE NEW YORK STATE EDUCATION

ENVIRONMENTAL ENGINEER: Quest Environmental Solutions

1376 Route 9 Wappingers Falls, NY 12590 845.298.6251 www.qualityenv.com

ARCHITECT:

ksqdesign

NEW YORK OKLAHOMA

KSQ Design 215 W 40th Street Floor 15 New York, NY 10018 646.435.0660 www.ksq.design

6/21/2024 9:35:47 AM KSQ Tulsa Ok

OWNER: Nanuet Union Free **School District**

101 Church Street Nanuet, NY 10954 845.627.9881 www.nanuetsd.org

CONSTRUCTION MANAGER: Jacobs

One Penn Plaza 24th Floor, Suite 2400 New York, NY 10119 646.908.6550 www.jacobs.com

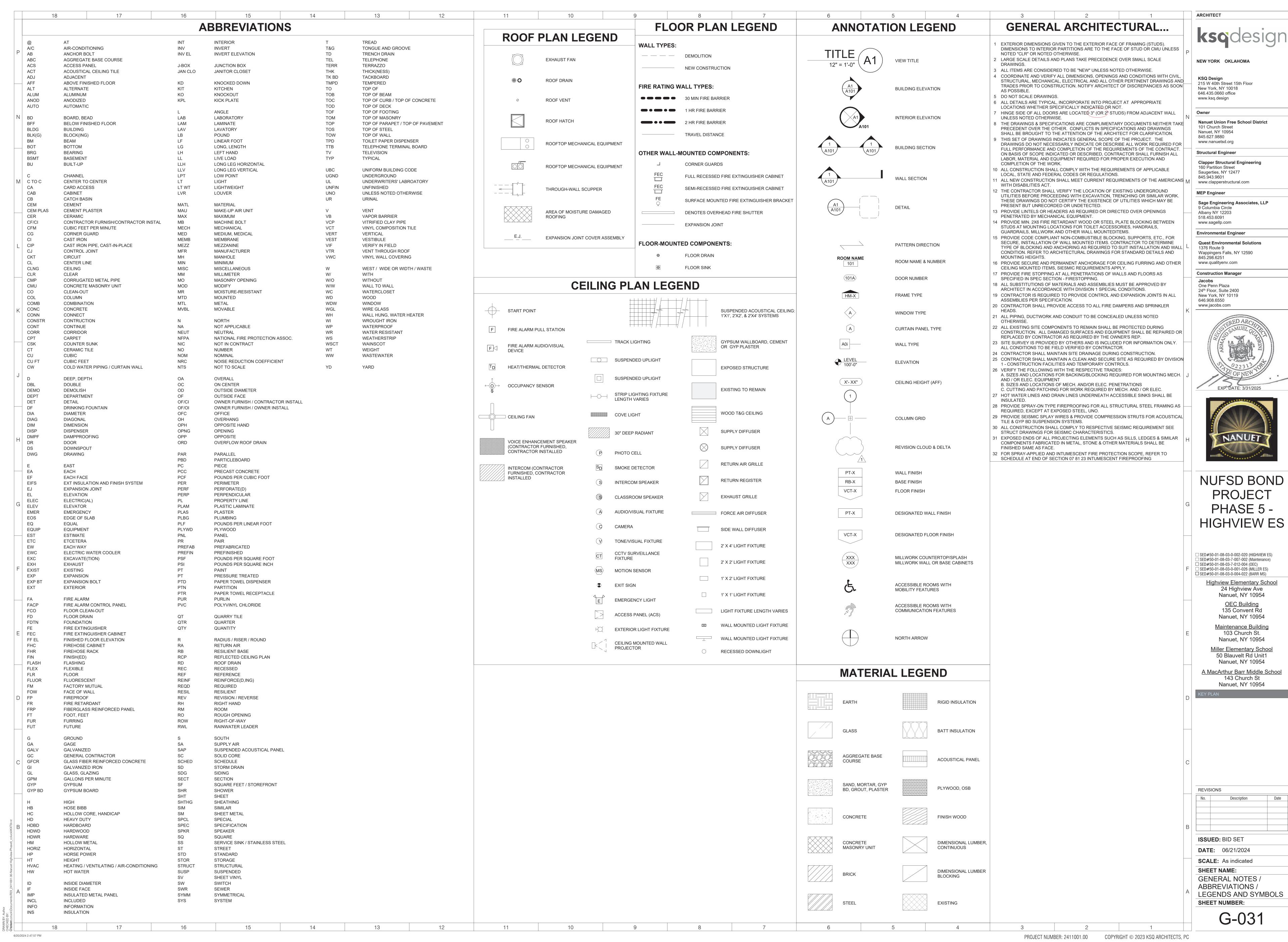
STRUCTURAL ENGINEER: Clapper Structural Engineering

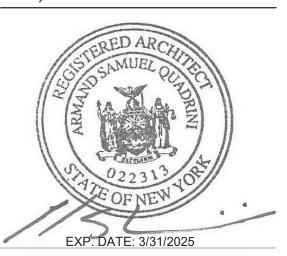
160 Partition Street Saugerties, NY 12477 845.943.9601 www.clapperstructural.com

MEP ENGINEER: Sage Engineering Associates

9 Columbia Circle Albany NY 12203 518.453.6091 www.sagellp.com

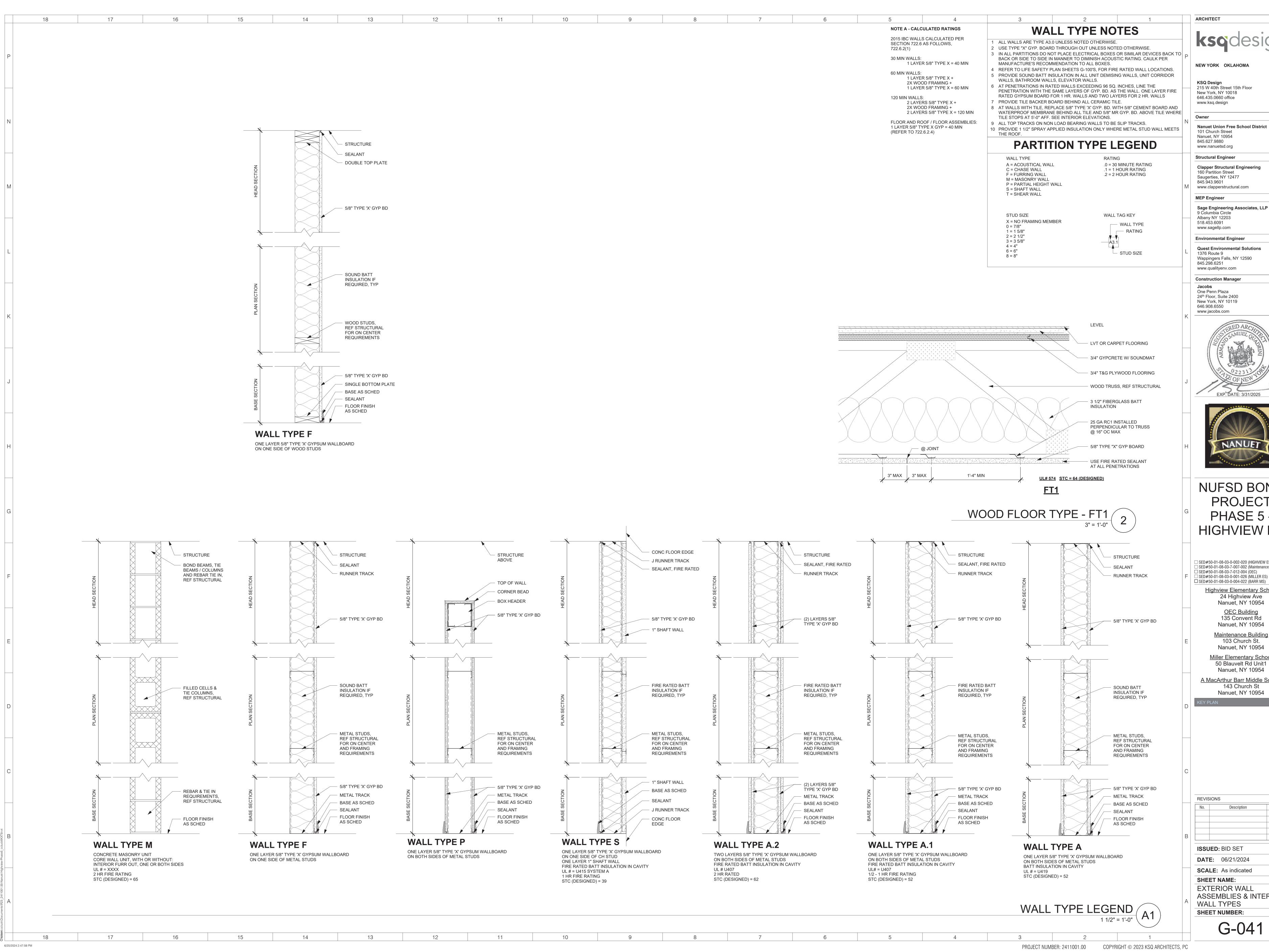
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NUFSD BOND



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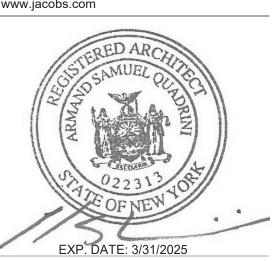
www.nanuetsd.org Structural Engineer Clapper Structural Engineering

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9 Columbia Circle Albany NY 12203 www.sagellp.com

Quest Environmental Solutions Wappingers Falls, NY 12590

www.qualityenv.com **Construction Manager**





NUFSD BOND PROJECT PHASE 5 -HIGHVIEW ES

☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES) ☐ SED#50-01-08-03-7-007-002 (Maintenance) □ SED#50-01-08-03-7-012-004 (OEC)

SED#50-01-08-03-0-001-026 (MILLER ES) ☐ SED#50-01-08-03-0-004-022 (BARR MS) Highview Elementary School 24 Highview Ave

Nanuet, NY 10954 OEC Building 135 Convent Rd Nanuet, NY 10954

Maintenance Building 103 Church St. Nanuet, NY 10954 Miller Elementary School

Nanuet, NY 10954 A MacArthur Barr Middle School 143 Church St

Description

ISSUED: BID SET **DATE:** 06/21/2024

SCALE: As indicated SHEET NAME: **EXTERIOR WALL** ASSEMBLIES & INTERIOR WALL TYPES

SHEET NUMBER:

NOT TO SCALE NOTES:

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 UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2" (13MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.

ADVISORY 302.2 CARPET. CARPETS AND PERMANENTLY AFFIXED MATS CAN SIGNIFICANTLY INCREASE THE AMOUNT OF FORCE (ROLL RESISTANCE) NEEDED TO PROPEL A WHEEL CHAIR OVER A SURFACE. THE FIRMER THE CARPETING AND BACKING, THE LOWER THE ROLL RESISTANCE. A PILE THICKNESS UP TO 1/2" (13MM) IS ALLOWED, ALTHOUGH A LOWER PILE PROVIDES EASIER WHEELCHAIR MANEUVERING. IF A BACKING, CUSHION OR PAD IS USED, IT MUST BE FIRM. PREFERABLY, CARPET PAD SHOULD NOT BE USED.

302.3. OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" (13MM) DIAMETER EXCEPT AS ALLOWED IN 407.4.3. 409.4.3, 410.4, 810.53 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL

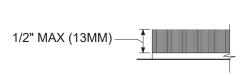


FIG. 302.2 CARPET PILE HEIGHT

MOUNTED ON POSTS OR PYLON SHALL OVERHANG CIRCULATION PATHS 12" (305 MM) MAXIMUM WHEN LOCATED 27" (685 MM) MINIMUM AND 80" (2030 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE THE POST AND PYLONS IS GREATER THEN 12" (305 MM), THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27" (685 MM) MAXIMUM OR 80" (2030 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. **EXCEPTION:** THE SLOPING PORTIONS OF HANDRAILS SERVING STAIRS AND RAMPS SHALL NOT BE REQUIRED TO COMPLY WITH

FLOOR OR GROUND.

NOT TO SCALE

307.4. VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80" (2030 MM) HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" (2030 MM) HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" (685 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **EXCEPTION:** DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (19980 MM) MINIMUM ABOVE THE FINISH

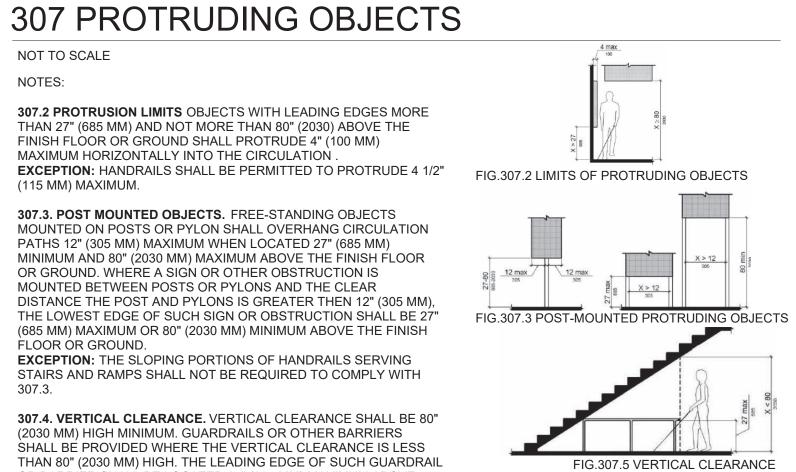
307.2 PROTRUSION LIMITS OBJECTS WITH LEADING EDGES MORE

THAN 27" (685 MM) AND NOT MORE THAN 80" (2030) ABOVE THE

FINISH FLOOR OR GROUND SHALL PROTRUDE 4" (100 MM)

307.3. POST MOUNTED OBJECTS. FREE-STANDING OBJECTS

MAXIMUM HORIZONTALLY INTO THE CIRCULATION.



303 CHANGES IN LEVEL

NOT TO SCALE

NOTES:

303.2 VERTICAL. CHANGES IN LEVEL OF 1/4 INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4" (6.4 MM) HIGH MINIMUM AND 1/2" (13 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. ADVISORY 303.3 BEVELED. A CHANGE IN LEVEL OF 1/2" (13 MM) IS PERMITTED TO BE 1/4" (6.4 MM) VERTICAL PLUS 1/4" (6.4 MM) BEVELED. HOWEVER, IN NO CASE MAY THE COMBINED CHANGE IN LEVEL EXCEED 1/2" (13 MM). CHANGES IN LEVEL EXCEEDING 1/2" (13 MM) MUST COMPLY WITH 405 (RAMPS) OR 406 (CURB RAMPS)

FIG. 303.2 VERTICAL CHANGE IN LEVEL

FIG. 302.2 CARPET PILE HEIGHT

FIG. 303.3 BEVELED CHANGE IN LEVEL

304 TURNING SPACE

NOT TO SCALE

304.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES OF A TURNING SPACE SHALL COMPLY 302. CHANGES IN LEVEL ARE NOT PERMITTED. **EXCEPTION:** SLOPES NOT STEEPER THAN 1:48 SHALL BE

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60" (1525) DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE PER FIGURE 304.3.2. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM

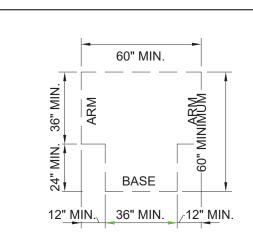


FIG. 304.3.2 T-SPACE TURNING

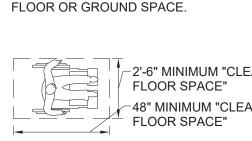
305 CLEAR FLOOR OR GROUND SPACE

NOT TO SCALE

305.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.

305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND

SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306. 305.6 APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE "CLEAR FLOOR SPACE" SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR



-2'-6" MINIMUM "CLEAR

48" MINIMUM "CLEAR FIG. 305.3 CLEAR FLOOR OR GROUND

36" MINIMUM CLEAR FLOOR SPACE IF ALCOVE DEPTH EXCEEDS 24"

- ALCOVE DEPTH >24"

∠ 60" MINIMUM CLEAR FLOOR SPACE" IF ALCOVE DEPTH

48" MINIMUM "CLEAR /

2'-6" MINIMUM "CLEAR !

FLOOR SPACE"

FLOOR SPACE"

FIG. 305.5 POSITION OF CLEAR FLOOR OR GROUND

FIG. 305.7.1 FORWARD APPROACH FIG. 305.7.2 PARALLEL APPROACH MANEUVERING CLEARANCE IN AN ALCOVE FORWARD AND PARALLEL APPROACH

306 KNEE AND TOE CLEARANCE

NOT TO SCALE

TOE CLEARANCE.

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SPACE

NOTES:

KNEE AND TOE CLEARANCE

306.2 TOE CLEARANCE. **306.2.1 GENERAL** SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2. **306.2.2 MAXIMUM DEPTH.** TOE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT. **306.2.3. MINIMUM REQUIRED DEPTH.** WHERE TOE CLEARANCE IS

REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" (430 MM) MINIMUM UNDER AN **306.2.4. ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6"** (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED

306.3 KNEE CLEARANCE. 306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3. **306.3.2 MAXIMUM DEPTH.** KNEE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND.

306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11" (280 MM) DEEP MINIMUM AT 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND. **306.3.4 CLEARANCE REDUCTION.** BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" (25 MM) IN DEPTH FOR EACH 6" (150MM) IN HEIGHT. 306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30" (760 MM) WIDE MINIMUM.

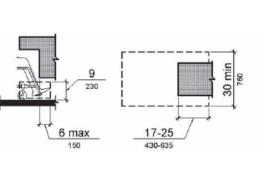


FIG. 306.2 TOE CLEARANCE

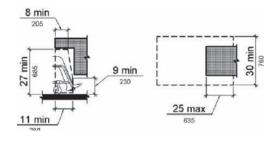


FIG. 306.3 KNEE CLEARANCE

308 REACH RANGES

NOT TO SCALE

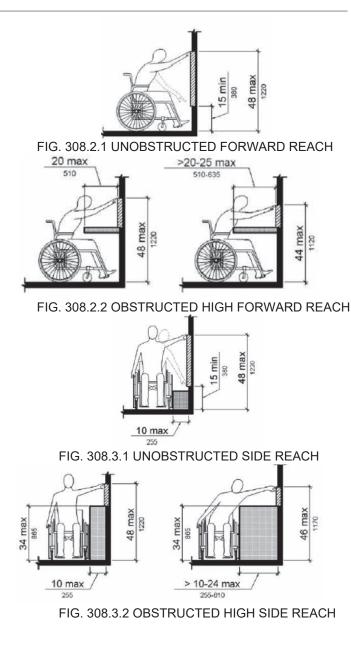
308.2 FORWARD REACH 308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" (1220 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15" (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

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 (1220 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM.

308.3. SIDE REACH. 308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" (1220 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (255 MM) MAXIMUM, THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM **EXCEPTION 1:** AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10" (255 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. 308.3.2. OBSTRUCTED HIGH REACH, WHERE A CLEAR FLOOR GROUND OR GROUND SPACE ALLOWS A PARALLEL

OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL NE 34" (865 MM) MAXIMUM AND THE DEPTH SHALL BE 24" (255 MM) MAXIMUM. THE HIGH SIDE OF REACH SHALL BE 48" (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10" (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10" (255 MM). THE HIGH SIDE REACH SHALL BE 46" (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24" (610 MM) MAXIMUM. **EXCEPTION: 1. THE TOP OF WASHING MACHINES AND** CLOTHES DRYERS SHALL BE PERMITTED TO BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR 2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54" (1370 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS

APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS



402 ACCESSIBLE ROUTES

NOT TO SCALE

402.1. GENERAL. ACCESSIBLE ROUTES SHALL COMPLY WITH 402. 402.2. COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4

403 WALKING SURFACES

NOT TO SCALE

403.1. GENERAL. WALKING SURFACES THAT ARE A PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 403.

403.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES SHALL COMPLY WITH 302. 403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT

BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48. 403.4. CHANGES IN LEVEL. CHANGES IN LEVEL SHALL COMPLY WITH 303.

403.5. CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCE COMPLYING WITH 403.5. EXCEPTION: WITHIN EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

403.5.1. CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2. AND 403.5.3. THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36" (915 MM) EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" (815 MM) MINIMUM FOR A LENGTH OF 24" (610 MM) MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" (1220 MM) LONG MINIMUM AND 36" (915 MM) WIDE MINIMUM.

403.5.2. CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48" (1220 MM) WIDE, CLEAR WIDTH SHALL BE 42" (1065 MM) MINIMUM APPROACHING THE TURN, 48" (1220 MM) MINIMUM AT THE TURN AND 42" (1065 MM) MINIMUM LEAVING THE TURN. **EXCEPTION:** WHERE THE CLEAR WIDTH AT THE TURN IS 60" (1525 MM) MINIMUM COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

403.5.3. PASSING SPACES. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" (1525 MM) SHALL PROVIDE SPACES AT INTERVALS OF 200' (61M) MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60" (1525 MM) MINIMUM BY 60" (1525 MM) MINIMUM: OR. AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH 304.3.2 WHERE THE BASE AND ARMS OF T-SHAPED SURFACES PROVIDING A T-SPACE EXTEND 48" (1220 MM) MINIMUM BEYOND THE INTERSECTION. 403.6 HANDRAILS. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH RUNNING SLOPES NOT STEEPER THAN 1:20 THEY

SHALL COMPLY WITH 505.

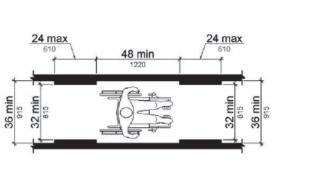


FIG. 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

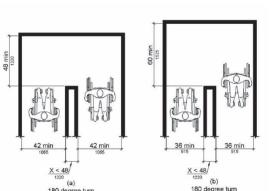


FIG. 403.5.2 CLEAR WIDTH AT TURN

404 DOORS, DOORWAYS, AND GATES

MINIMU

FRONT APPROACH, PUSH SIDE

MINIMU

MINIMUM

├--M-----

HINGE APPROACH, PUSH SIDE

MINIMU

HINGE APPROACH, PULL SIDE

LATCH APPROACH, PUSH SIDE

DOOR PROVIDED WITH CLOSER

SIDE APPROACH

MINIMUM

MINIMUM

FIG. 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING

POCKET OR HINGE APPROACH STOP OR LATCH APPROACH

FIG. 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS

MINIMUM

 \leftrightarrow

MINIMUM

FIG. 404.2.7. DOORS IN SERIES AND GATES IN SERIES

FIG. 405.9.1 EXTENDED FLOOR

OR GROUND SURFACE EDGE

FIG. 405.9.2 CURB OR BARRIER

EDGE PROTECTION

PROTECTION

MINIMUM

WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING

FRONT APPROACH, PULL SIDE

FRONT APPROACH, PUSH

BOTH CLOSER AND LATCH

MINIMU

MINIMUM

HINGE APPROACH, PULL SIDE

HINGE APPROACH, PUSH

LATCH APPROACH, PUSH SIDE

FRONT APPROACH

DOOR PROVIDED WITH

CLOSER.

MINIMUM

DOORS AND GATES

SIDE DOOR PROVIDED WITH HINGE APPROACH, PULL SIDE

|₹≥⊥

MINIMU

NOT TO SCALE

NOTES: 404.2.2. DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 404.2.3 AND 404.2.4.

404.2.3. CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32" (815 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOORS AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24" (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36" (915 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34" (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34" (865 MM) AND 80" (2030 MM) ABOVE THE FINISH FLOOR OR SHALL NOT EXCEED 4" (100 MM). **EXCEPTION: 1.** IN ALTERATIONS, A PROJECTION OF 5/8" (16 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. 2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (1980 MM) MINIMUM ABOVE THE

404.2.4.1. SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1.

FINISH FLOOR OR GROUND.

404.2.4.2. DOORWAYS WITHOUT DOORS OR GATES, **SLIDING DOORS, AND FOLDING DOORS. DOORWAYS** LESS THEN 36" (915 MM) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2.

404.2.4.3. RECESSED DOORS AND GATES. MANEUVERING CLEARANCE FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" (455 MM) OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE ADVISORY 404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF THE PLACEMENT OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

DOORWAYS, SHALL BE 1/2" (13 MM) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 302 AND 303. **EXCEPTION:** EXISTING OR ALTERED THRESHOLDS 3/4" (19 MM) HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.5.

404.2.5. THRESHOLDS. THRESHOLDS, IF PROVIDED AT

404.2.6. DOORS AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" (1220 MM) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

404.2.7. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" (865 MM) MINIMUM AND 48" (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN FULLY OPEN POSITION. OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. **EXCEPTIONS: 1.** EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES, EXISTING OVERHEAD ROLLING DOORS OR GRILLES, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE TOP OR BOTTOM RAIL. 2. ACCESS GATES IN BARRIER WALLS AND FENCES

PROTECTING POOLS, SPAS, AND HOT TUBS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE RELEASE OF LATCH ON SELF-LATCHING DEVICES AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND PROVIDED THE SELF-LATCHING DEVICES ARE NOT ALSO SELF LOCKING DEVICES AND OPERATED BY MEANS OF A KEY, ELECTRONIC OPENER, OR INTEGRAL COMBINATION LOCK. ADVISORY 404.2.7 DOOR AND GATE HARDWARE. DOOR HARDWARE THAT CAN BE OPERATED WITH A CLOSED FIST OR A LOOSE GRIP ACCOMMODATED THE GREATEST RANGE OF USERS. HARDWARE THAT REQUIRES SIMULTANEOUS HAND AND FINGER MOVEMENTS REQUIRE GREATER DEXTERITY AND COORDINATION, AND IS NOT RECOMMENDED.

404.2.8.1. DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS

404.2.9. DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS AND GATES SHALL BE AS FOLLOWS 1. INTERIOR HINGED DOORS 5 POUNDS (22.2 K) 2. SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 K) MAXIMUM 3. EXTERIOR HINGED DOORS SHALL BE DESIGNED SO

THAT SUCH DOORS CAN BE PUSHED OR PULLED OPEN

WITH A FORCE NOT EXCEEDING 8.5 POUNDS (37.8 K).

405 RAMPS

SCALE NOTES:

405.2. SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. EXCEPTION: IN EXISTING SITES, BUILDINGS, AND FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE RUNNING SLOPES STEEPER THEN 1:12 COMPLYING WITH TABLE 405.2 WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS. ADVISORY 405.2 SLOPE. TO ACCOMMODATE THE WIDEST RANGE OF USERS, PROVIDE RAMPS WITH THE LEAST POSSIBLE RUNNING SLOPE AND, WHEREVER POSSIBLE, ACCOMPANY RAMPS WITH STAIRS FOR USE BY THOSE INDIVIDUALS FOR WHOM DISTANCE PRESENTS A GREATER BARRIER THAN STEPS, E.G., PEOPLE WITH HEART DISEASE OR LIMITED STAMINA.

405.3. CROSS SLOPE. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48. ADVISORY 405.3 CROSS SLOPE. CROSS SLOPE IS THE SLOPE OF THE SURFACE PERPENDICULAR TO THE DIRECTION OF TRAVEL. CROSS SLOPE IS MEASURED THE SAME WAY AS SLOPE IS MEASURED (I.E., THE RISE OVER THE RUN).

405.5 CLEAR WIDTH. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36" (915 MM) MINIMUM. **EXCEPTION**: WITHIN EMPLOYEE WORK AREAS, THE REQUIRED CLEAR WIDTH OF RAMPS THAT ARE A PART OF COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

405.6. RISE. THE RISE FOR ANY RAMP RUN SHALL BE 30" (760 MM) MAXIMUM.

405.7. LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDING SHALL COMPLY WITH 405.7. ADVISORY 405.7 LANDINGS: RAMPS THAT DO NOT HAVE LEVEL LANDINGS AT CHANGES IN DIRECTION CAN CREATE A COMPOUND SLOPE THAT WILL NOT MEET THE REQUIREMENTS OF THIS CODE. CIRCULAR OR CURVED RAMPS CONTINUALLY CHANGE DIRECTION. CURVILINEAR RAMPS WITH SMALL RADII ALSO CAN CREATE COMPOUND CROSS SLOPES AND CANNOT, BY THEIR NATURE, MEET THE REQUIREMENTS FOR ACCESSIBLE ROUTES. A LEVEL LANDING IS NEEDED AT THE ACCESSIBLE DOOR TO PERMIT MANEUVERING AND SIMULTANEOUSLY DOOR OPERATION.

405.7.1. SLOPE. LANDINGS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

CLEAR WIDTH WHEN HANDRAILS ARE INSTALLED.

405.7.2. WIDTH. THE LANDING CLEAR WIDTH SHALL BE ATLEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.

405.7.3. LENGTH. THE LANDING CLEAR LENGTH SHALL BE 60" (1525 MM) LONG MINIMUM. 405.8 HANDRAILS. RAMP RUNS WITH A RISE GREATER THAN 6" (150 MM) SHALL HAVE HANDRAILS COMPLYING WITH 505. **EXCEPTION:** WITHIN EMPLOYEE WORK AREAS, HANDRAILS SHALL NOT BE REQUIRED WHERE RAMPS THAT ARE PART

OF COMMON USE CIRCULATION PATHS ARE DESIGNED TO PERMIT THE INSTALLATION OF HANDRAILS COMPLYING WITH

505. RAMPS NOT SUBJECT TO THE EXCEPTION TO 405.5 SHALL BE DESIGNED TO MAINTAIN A 36" (915 MM) MINIMUM

405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. **EXCEPTIONS: 1.** EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS THAT ARE NOT REQUIRED TO HAVE HANDRAILS AND HAVI SIDES COMPLYING WITH 406.3. 2. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS SERVING AN ADJOINING RAMP RUN OR STAIRWAY. 3. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2" (13 MM) MAXIMUM WITHIN 10" (255 MM) HORIZONTALLY OF THE MINIMUM LANDING AREA SPECIFIED IN

405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12" MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL COMPLYING WITH 505. ADVISORY 405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE EXTENDED SURFACE PREVENTS WHEELCHAIR CASTERS AND CRUTCH TIPS FROM SLIPPING OFF THE RAMP SURFACE.

405.9.2. CURB OR BARRIER. A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4" (100MM) DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4" OF FINISH FLOOR OR GROUND SURFACE.

406 CURB RAMPS

NOT TO SCALE

BE STEEPER THAN 1:10.

406.1. GENERAL. CURB RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH 406, 405.2 THROUGH 405.5, 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 AT THE SAME LEVEL. 406.3 SIDES OF CURB RAMPS. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT

406.4. LANDINGS. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36" (915 MM) MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. **EXCEPTION:** IN ALTERNATIONS, WHERE THERE IS NO LANDING AT THE TOP OF CURB RAMPS, CURB RAMP FLARES SHALL BE PROVIDED AND SHALL NOT BE STEEPER

406.6. 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 BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48" (1220 MM) MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48" (1220 MM) MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMP AND WITHIN THE MARKED CROSSING.

406.7. ISLANDS. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL

WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48" (1220 MM) LONG MINIMUM BY 36" (915 MM) WIDE MINIMUM AT THE TOP OF THE RAMP CURB IN THE PART OF THE ISLAND INTERSECTED BY THE EACH 48 INCH (1220 MM) MINIMUM BY 36 INCH (915 MM) MINIMUM AREA SHALL BE ORIENTED SO THAT THE 48 INCH (1220 MM) MINIMUM LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48 INCH (1220 MM) MINIMUM BY 36 INCH (915 MM) MINIMUM AREAS AND THE ACCESSIBLE ROUTE SHALI

407 ELEVATORS

BE PERMITTED TO OVERLAP.

NOT TO SCALE

407.2.1. CALL CONTROLS. WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED. THEY SHALL COMPLY WITH 407.2.1 AND 309.4. CALL BUTTONS SHALL BE RAISED OR FLUSH. **EXCEPTION:** EXISTING ELEVATORS SHALL BE PERMITTED TO HAVE RECESSED CALL BUTTONS

407.2.1.1. HEIGHT. CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART. **EXCEPTION:** EXISTING CALL BUTTONS AND EXISTING KEYPADS SHALL BE PERMITTED TO BE LOCATED AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH FLOOR, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.

407.2.2 HALL SIGNALS. HALL SIGNALS, INCLUDING IN-CAR SIGNALS, SHALL COMPLY WITH 407.2.2.

407.2.1.2. SIZE. CALL BUTTONS SHALL BE 3/4" (19MM) MINIMUM IN THE SMALLEST DIMENSION. **EXCEPTION:** EXISTING ELEVATOR CALL BUTTON SHALL NOT BE REQUIRED TO COMPLY WITH 407.2.1.2. 407.2.3.1. FLOOR DESIGNATION. FLOOR DESIGNATIONS COMPLY WITH 703.2 AND 703.4.1 SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2" (51 MM)

HIGH MINIMUM. A TACTILE STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

407.3.2. OPERATION. ELEVATOR HOISTWAY AND CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY EXCEPTION: EXISTING MANUALLY OPERATED HOISTWAY SWING DOORS SHALL BE PERMITTED PROVIDED THAT THEY COMPLY WITH 404.2.3 AND 404.2.9. CAR DOOR CLOSING SHALL NOT BE INITIATED

UNTIL THE HOISTWAY DOOR IS CLOSED. FIG. 407.2.2.2 VISIBLE HALL SIGNAL 407.3.3. REOPENING DEVICE. ELEVATOR DOORS SHALL BE PROVIDED WITH A REOPENING DEVICE COMPLYING WITH 407.3.3 THAT SHALL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON. **EXCEPTION:** EXISTING ELEVATORS WITH MANUALLY OPERATED DOORS SHALL NOT BE REQUIRED TO

COMPLY WITH 407.3.3. 407.4.6.4.1. HEIGHT. EMERGENCY CONTROL BUTTONS SHALL HAVE THEIR CENTERLINES 35" (890 MM) MINIMUM ABOVE THE FINISH FLOOR.

407.4.6.4.2. LOCATION. EMERGENCY CONTROLS INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BOTTOM OF THE PANEL.

410.5. OPERABLE PARTS. CONTROLS FOR PLATFORM LIFTS SHALL COMPLY WITH 309. **504 STAIRWAYS**

NOT TO SCALE

504.1. GENERAL. STAIRS SHALL COMPLY WITH 504.

504.2. TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISER SHALL BE 4" (100 MM) HIGH MINIMUM AND 7" (18- MM) HIGH MAXIMUM. TREADS SHALL BE 11" (28- MM) DEEP MINIMUM.

504.4. TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: TREADS SHALL BE PERMITTED TO HAVE A SLOPE NOT STEEPER ADVISORY 504.4 TREAD SURFACE. CONSIDER PROVIDING VISUAL CONTRAST ON TREAD NOSINGS, OR AT THE LEADING EDGES OF TREADS WITHOUT NOSINGS. SO THAT STAIR TREADS ARE MORE VISIBLE FOR PEOPLE WITH LOW VISION.

505 HANDRAILS

NOT TO SCALE

STAIR FLIGHT.

505.4. HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34" (865 MM) MINIMUM AND 38" (965 MM) MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP ADVISORY 505.4 HEIGHT. THE REQUIREMENTS FOR STAIR AND RAMP HANDRAILS IN THIS CODE ARE FOR ADULTS. WHEN CHILDREN ARE THE PRINCIPAL USERS IN A BUILDING OR FACILITY (EG., ELEMENTARY SCHOOLS), A SECOND SET OF HANDRAILS AT AN APPROPRIATE HEIGHT CAN ASSIST THEM AND AID IN PREVENTING ACCIDENTS. A MAXIMUM HEIGHT OF 28" (710 MM) MEASURED TO THE TOP OF THE GRIPPING SURFACE FROM THE RAMP SURFACE OR STAIR NOSING IS RECOMMENDED FOR HANDRAILS DESIGNED FOR CHILDREN. SUFFICIENT VERTICAL CLEARANCE BETWEEN UPPER AND LOWER HANDRAILS, 9" (230 MM) MINIMUM, SHOULD BE PROVIDED TO HELP PREVENT

505.5 CLEARANCE, CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2" (38 MM)

505.10.1. TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" (305 MM) MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN. 505.10.2. TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR

FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE

THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A

LANDING FOR 12" (350 MM) MINIMUM BEGINNING DIRECTLY ABOVE

WALL, GUARD, OR LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. 505.10.3. BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE,

OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT

WALKING SURFACES FIG. 505.4 HANDRAIL HEIGHT FIG. 505.5 AND 505.6 HANDRAIL CLEARANCE AND HORIZONTAL PROJECTIONS BELOW GRIPPING SURFACE FIG. 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSION AT RAMP

radius of tread edge

(typical for all profiles)

angled riser

curved nosing beveled nosing

FIG. 504.5 STAIR NOSINGS

FIG. 505.10.2 AND 505.10.3 TOP HANDRAIL EXTENSION AND BOTTOM HANDRAIL EXTENSION AT STAIRS

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FIG. 406.2 COUNTER SLOPE OF

SURFACES ADJACENT TO CURB

FIG. 406.3 SIDES OF CURB RAMPS

FIG. 406.4 LANDINGS AT THE TOP

2 1/2" MIN.

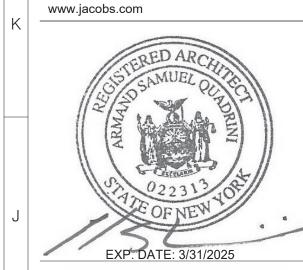
OF CURB RAMPS

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NUFSD BOND **PROJECT** PHASE 5 -

SED#50-01-08-03-0-002-020 (HIGHVIEW ES) SED#50-01-08-03-7-007-002 (Maintenance) SED#50-01-08-03-7-012-004 (OEC) SED#50-01-08-03-0-001-026 (MILLER ES)

> ☐ SED#50-01-08-03-0-004-022 (BARR MS) Highview Elementary School 24 Highview Ave Nanuet, NY 10954

> > OEC Building

135 Convent Ro

<u> Miller Elementary School</u>

50 Blauvelt Rd Unit1

Nanuet, NY 10954 <u>Maintenance Building</u> 103 Church St. Nanuet, NY 10954

Nanuet, NY 10954 A MacArthur Barr Middle School 143 Church St Nanuet, NY 10954

REVISIONS

ISSUED: BID SET **DATE:** 06/21/2024

SCALE: **SHEET NAME:** ACCESSIBILITY COMPLIANCE DIAGRAMS SHEET NUMBER:

602 DRINKING FOUNTAINS **608 Shower Compartments 608.1 General.** Shower compartments shall comply with 608. NOT TO SCALE Advisory 608.1 General. Shower stalls that are 60 inches (1525 mm) wide and have no curb may increase the usability of a bathroom because the shower area provides additional maneuvering 602.1. GENERAL. DRINKING FOUNTAINS SHALL COMPLY WITH 307 AND 602. 608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes minimum entry shall be provided at one end of the long side of the compartment. 602.2. CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A and clearances complying with 608.2. FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. **EXCEPTION:** A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE 608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall be 36 | 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the SPOUT IS 30" (760 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3 1/2" (90 MM) MAXIMUM FROM THE FRONT EDGE inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of same height above the finish floor. OF THE UNIT, INCLUDING BUMPERS. opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long 602.3. OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309. minimum measured from the control wall shall be provided. 608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower 602.4. SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep **602.5 SPOUT LOCATION**. THE SPOUT SHALL BE LOCATED 15" (380 MM) MINIMUM FROM THE VERTICAL SUPPORT AND 5" (125 MM) minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 | 2. In residential dwelling units, grab bars shall not be required to be installed in showers located in MAXIMUM FROM THE EDGE OF THE UNIT, INCLUDING BUMPERS. inches (1525 mm) wide minimum entry on the face of the shower compartment. the installation of grab bars complying with 608.3. 608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum 602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM AND SHALL BE LOCATED 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY clearance shall be provided adjacent to the open face of the shower compartment. RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" (75 MM) OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN THAN 3" (75 MM) AND 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREE MAXIMUM. ADVISORY 602.6 WATER FLOW. THE PURPOSE OF REQUIRING THE DRINKING FOUNTAIN SPOUT TO PRODUCE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM IS SO THAT A CUP CAN BE INSERTED UNDER THE FLOW OF WATER TO PROVIDE A DRINK OF WATER FOR AN INDIVIDUAL WHO, BECAUSE OF DISABILITY, WOULD OTHERWISE BE INCAPABLE OF USING THE DRINKING FOUNTAIN. 602.7. DRINKING FOUNTAINS FOR STANDING PERSONS. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS shall be installed 6 inches (150 mm) maximum from adjacent walls. LIFE SAFETY HORN SHALL BE 38" (965 MM) MINIMUM AND 43" (1090 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. 603 TOILET AND BATHING ROOMS STROBE ALARM NOT TO SCALE - ELECTRICAL DEVICE/FIXTURE ELECTRICAL NOTES: 603.2.3. DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY LIGHT SWITCH/THERMOSTAT SWITCH/THERMOSTAT FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE. **EXCEPTIONS: 1.** DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE THE CLEAR FLOOR PHONE/DATA OUTLET SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3. 2. WHERE THE ALL PLUMBING FIXTURES AS SPECIFIED IN PLUMBING TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED FIXTURE SCHEDULE (PLUMB DWGS) SHALL BE ACCESSIBLE. WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR ADA TOILET RIM HEIGHT SHALL BE 17"-19". SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. PROVIDE SIDE SPLASH WHERE REQUIRED. ADVISORY 603.2.3. DOOR SWING EXCEPTION 1. AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS REVERSED * UNLESS NOTED OTHERWISE, PROVIDE SOLID, IN WALL BLOCKING FOR HANDRAILS, LIGHT IN THE FUTURE, THE DOOR MUST MEET ALL THE REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING CANNOT DOOR KNOBS WHERE SEVERAL DEVICES ARE FIXTURES, COUNTERTOPS, MIRRORS, AND SIMILAR ITEMS. REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE. ALSO, AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES **MOUNTED IN CLOSE PROXIMITY** SEE FINISH SCHEDULE IN SPECIFICATION FOR FINISHES. PHONE/DATA OUTLET WHEN THE DOOR SWING IS REVERSED. TO EACH OTHER ON THE WALL PROVIDE SEALANT BETWEEN BACKSPLASH, SIDESPLASH COORDINATE WITH ALL AND WALLS. ELECTRICAL OUTLET **RELATED TRADES** (1'-3" TO BOTTOM OF OUTLET) back wall FINISHED FLOOR 48 min FRONT REACH MAX. SIDE REACH MAX. lodging guest rooms with mobility features complying with 806.2. Seats shall comply with 610. TWO WAY COMMUNICATIO - -N PANEL -FRONT REACH MIN SIDE REACH MIN FINISHED FLOOR -5'-0" MIN CLEAR CLEAR CLEAR CLEAR 1 1/2" MAX-1 1/2" MAX--3" MAX FRONT REACH MAX. SIDE REACH MAX. (49°C) maximum. FRONT REACH MIN SIDE REACH MIN CONTROL WALL FINISHED FLOOR BACK WALL CONTROL WALL **END WALL BACK WALL END WALL** TRANSFER SHOWER TRANSFER SHOWER TRANSFER SHOWER **ROLL-IN SHOWER ROLL-IN SHOWER ROLL-IN SHOWER ROLL-IN SHOWER ROLL-IN SHOWER ROLL-IN SHOWER EXCEPTION:** A threshold 2 inches (51 mm) high maximum shall be permitted in transfer type 3'-3" - 3'-5" 1 1/2" MIN CLR edge of the bathtub. SIDE REACH MAX. FRONT REACH MIN SIDE SIDE REACH MIN FINISHED FLOOR SIDE WALL SIDE WALL ADA URINAL REGULAR **BACK WALL** DIMENSION TO **BACK WALL** ADA TOILET DRINKING HOLD (TYP) ADA TOILET (MOUNTED CLOSEST URINAL DRINKING FOUNTAIN FOUNTAIN TO DOOR) ALLOWED RANGE (TYP) STANDARD MOUNTING HEIGHTS /

EXCEPTION: A lavatory complying with 606 shall be permitted on one 30 inch (760 mm) wide minimum side of the clearance provided that it is not on the side of the clearance adjacent to the controls or, where provided, not on the side of the clearance adjacent to the shower seat.

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in type shower compartments shall be 36 inches (915 mm) wide and 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch (915 mm) wide

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with

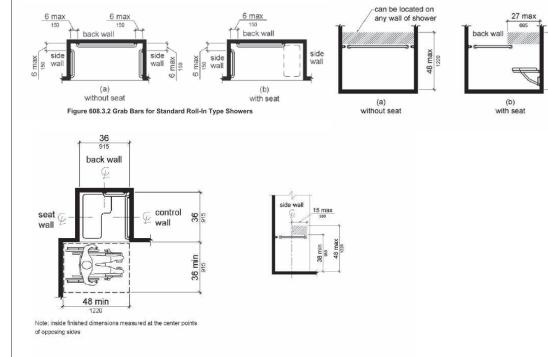
1. Grab bars shall not be required to be installed in a shower located in a bathing facility for a single occupant accessed only through a private office, and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation

of grab bars complying with 608.3. bathing facilities provided that reinforcement has been installed in walls and located so as to permit

608.3.1 Transfer Type Shower Compartments. In transfer type compartments, grab bars shall be provided across the control wall and back wall to a point 18 inches (455 mm) from the control

608.3.2 Standard Roll-In Type Shower Compartments. Where a seat is provided in standard roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall opposite the seat. Grab bars shall not be provided above the seat. Where a seat is not provided in standard roll-in type shower compartments, grab bars shall be provided on three walls. Grab bars

608.3.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall farthest from the compartment entry. Grab bars shall not be provided above the seat. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.



608.4 Seats. A folding or non-folding seat shall be provided in transfer type shower compartments. A folding seat shall be provided in roll-in type showers required in transient

EXCEPTION: In residential dwelling units, seats shall not be required in transfer type shower compartments provided that reinforcement has been installed in walls so as to permit the installation of seats complying with 608.4.

608.5 Controls. Controls, faucets, and shower spray units shall comply with 309.4.

608.5.1 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the

controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall. Advisory 608.5.2 Standard Roll-in Type Shower Compartments. In standard roll-in type

showers without seats, the shower head and operable parts can be located on any of the three walls of the shower without adversely affecting accessibility.

608.5.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall adjacent to the seat 27 inches (685 mm) maximum from the side wall behind the seat or shall be located on the back wall opposite the seat 15 inches (380 mm) maximum, left or right, of the centerline of the seat. Where a seat is not provided, the controls, faucets, and shower spray unit shall be installed on the side wall farthest from the compartment entry.

608.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Shower spray units shall deliver water that is 120°F

EXCEPTION: A fixed shower head located at 48 inches (1220 mm) maximum above the shower finish floor shall be permitted instead of a hand-held spray unit in facilities that are not medical care facilities, long-term care facilities, transient lodging guest rooms, or residential

Advisory 608.6 Shower Spray Unit and Water. Ensure that hand-held shower spray units are capable of delivering water pressure substantially equivalent to fixed shower heads.

608.7 Thresholds. Thresholds in roll-in type shower compartments shall be 1/2 inch (13 mm) high maximum in accordance with 303. In transfer type shower compartments, thresholds 1/2 inch (13 mm) high maximum shall be beveled, rounded, or vertical.

shower compartments in existing facilities where provision of a 1/2 inch (13 mm) high threshold would disturb the structural reinforcement of the floor slab. 608.8 Shower Enclosures. Enclosures for shower compartments shall not obstruct controls,

faucets, and shower spray units or obstruct transfer from wheelchairs onto shower seats.

610.1 General. Seats in bathtubs and shower compartments shall comply with 610.

610.2 Bathtub Seats. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19

inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer

610.3 Shower Compartment Seats. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent wall.

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 K) is applied at any point on the seat, fastener, mounting device, or supporting structure.

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NUFSD BOND PROJECT PHASE 5 -HIGHVIEW ES

SED#50-01-08-03-0-002-020 (HIGHVIEW ES) SED#50-01-08-03-7-007-002 (Maintenance) SED#50-01-08-03-7-012-004 (OEC) SED#50-01-08-03-0-001-026 (MILLER ES)

SED#50-01-08-03-0-004-022 (BARR MS) Highview Elementary School 24 Highview Ave

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<u>Maintenance Building</u> 103 Church St. Nanuet, NY 10954 Miller Elementary School

Nanuet, NY 10954 A MacArthur Barr Middle School 143 Church St Nanuet, NY 10954

50 Blauvelt Rd Unit1

ISSUED: BID SET **DATE:** 06/21/2024

SCALE: As indicated SHEET NAME: STANDARD MOUNTING HEIGHTS

SHEET NUMBER: