

# Building #6 Life Skills Alteration

## ROCKLAND BOCES

65 Parrot Road  
West Nyack, NY 10994

CD SET  
2/15/23

LOCATION MAP  
ROCKLAND BOCES  
WEST NYACK CAMPUS



SED CONTROL NUMBER: 50-90-00-00-0-006-004

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DESIGN CONFORMS TO APPLICABLE 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 DEPARTMENT BUILDING STANDARDS.

Building #6 Life Skills Alteration  
65 Parrot Road  
West Nyack, NY 10994

**PROJECT INFORMATION**

**Project Name:** Rockland BOCES - Life Skills Apartment - Building 6  
**Building Name:** Building #6 Center of Occupational Education  
**Address:** 65 Parrott Road, West Nyack, NY 10994  
**County:** Rockland County  
**Owner-Contact Person:** Ronald Hansen  
 Assistant Superintendent Business and Operations  
**Owner-Contact Phone:** 845-627-4721  
**Fire District:** Rockland County

**Facility Type:** Existing School Building  
**Grade Levels:** 9 - 12+  
**Original Building Date:** 1964 (59 years old)  
**Sprinkler System:** N  
**Number of Stories:** 1  
**Building Height:** 13'-0"  
**Building Area:** 8,670 SF  
**Project Area:** 1,850 SF  
**Site Size:** 38.9 acres (37.5 usable acres)

**GENERAL CODE DATA**

**Construction Type:** IIB  
**Occupancy Group:** Education

**Project Type:** Alteration Level 2

**NOTES:**  
 Analysis is based on the building code in effect in 2004.  
 The Code Analysis notes the corresponding current applicable code sections.  
 2020 IBC, 2020 IEBC, ANSI 117.1-2009 and all applicable standards, 1998 Manual of Planning Standards

**EXISTING BUILDING INFORMATION:**

Occupancy Primary use (per section 703):	2003 NYS BC	2020 IBC
Accessory use (per section 703):	C5.5 - School	(304) E- Education Group
	C1 - Office	(305) B- Business group
	C4.1- Non Hazardous Storage	(311) S- Storage Group

**EXISTING BUILDING CLASSIFICATION (PER SECTION 2003-704; 2015-602):**

DATE	CLASS (Assumed)	INTERIOR PARTITIONS	EXTERIOR PARTITIONS	AREA
1964	2b/IIB	non-load bearing	non-load bearing	8,670

**GROSS BUILDING AREA 8,670 GSF**

Per Table 602 (2020 IBC)

**TABLE III- 704 (2003) TABLE 601 (2020) MINIMUM FIRE RESISTANCE REQUIREMENTS OF STRUCTURAL ELEMENTS (IN HOURS)**

STRUCTURAL ELEMENTS	2b (2003)	IIB (2020)
Bearing walls- Exterior	NC	0
Bearing walls- Interior	NC	0
Nonbearing walls- Exterior	NC	1
Nonbearing walls- Interior	3/4*	0
Nonbearing stair walls- Interior	1	1**
Floor construction and associated secondary elements	Nc	0
Roof construction and associated secondary elements	Nc	0
Partitions enclosing:		
Electrical room	2 (SED S203 (b) 2.b)	N/A
Equipment room	2 (SED S203 (b) 2.b)	1
Basement Storage room	2 (SED S203 (b) 2.b)	N/A

Nc- Noncombustible  
 \*Corridor Walls: Table III-704 note 6. In building not more than three stories in height; 1 hour in type 1 construction and 3/4 hour in type 2, 3 and 4 construction.  
 \*\*Section 1023.2 (2020 IBC)- Stair fire barriers not less than 1 hour where connecting less than four stories

**CHAPTER 7 FIRE-RESISTANCE-RATED CONSTRUCTION**

**SED S766.1 (Safety Glazing):**  
 Glazing, in doors, sidelite and enclosure shall be sized, constructed treated or combined with other material to minimize effectively the possibility of injury to persons in the event the glazing is cracked or broken.

**BC TABLE III- 771 (2003) OPENING PROTECTIVE FOR INTERIOR WALL OPENINGS**

Fire resistance rating of walls in hrs	Fire resistance rating of opening protective in hrs
3 or 4	3
2	1 1/2
1 or 3/4	3/4

**CHAPTER 8 INTERIOR FINISHES**

**SED S202-2 (Limitations of use of interior finishes)**  
 (S202-2E) Class A interior finishes shall be used in corridors and exits (exit enclosures, exit passageways, exterior exit stairs, exterior ramps and horizontal exits.)  
 (S202-2B) Interior finishes in school construction shall be Class A, B OR C per the code with the following exceptions:  
 1. Class C interior finishes shall not be used in school construction of more than three stories.  
 2. Class A or B interior finishes shall be used in the following locations: places of assembly and stages, except wainscots not over 8 feet above floor be may be Class C. Class C is acceptable if the space has an approved NFPA sprinkler system.

**BC SECTION 772.2 (2003) (Interior Finish):**

Interior wall and ceiling finishes shall be classified in accordance with ASTM E84. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed indexes:  
 CLASS A: Flame spread 0-25 Smoke-developed 0-450  
 CLASS B: Flame spread 26-75 Smoke-developed 0-450  
 CLASS C: Flame spread 76-200 Smoke-developed 0-450

**BC SECTION 772.3 (2003) (Interior Floor Finish):**

Interior floor finish and floor covering materials to be of class I or II materials shall be classified in accordance with NFPA 253. The classification referred to herein corresponds to the classifications determined by NFPA 253 as follows:  
 CLASS I 0.45 WATTS/CM2 OR GREATER  
 CLASS II 0.22 WATTS/CM2 OR GREATER

**SECTION 1005 (2020 IBC) MEANS OF EGRESS SIZING**

1005.3.2 Other egress components: The capacity, in inches of means of egress other than stairways shall be calculated by multiplying the occupant load served by such component by means of egress capacity factor 0.2 inch per occupant. **EXISTING COMPLYING. NEW COMPONENTS DO NOT AFFECT EXISTING EGRESS. ALL NEW DOORS TO OCCUPIED ROOMS TO BE A MINIMUM OF 32" CLEAR OPENING**

**FLOOR AREA PER PERSON IN SQUARE FEET**

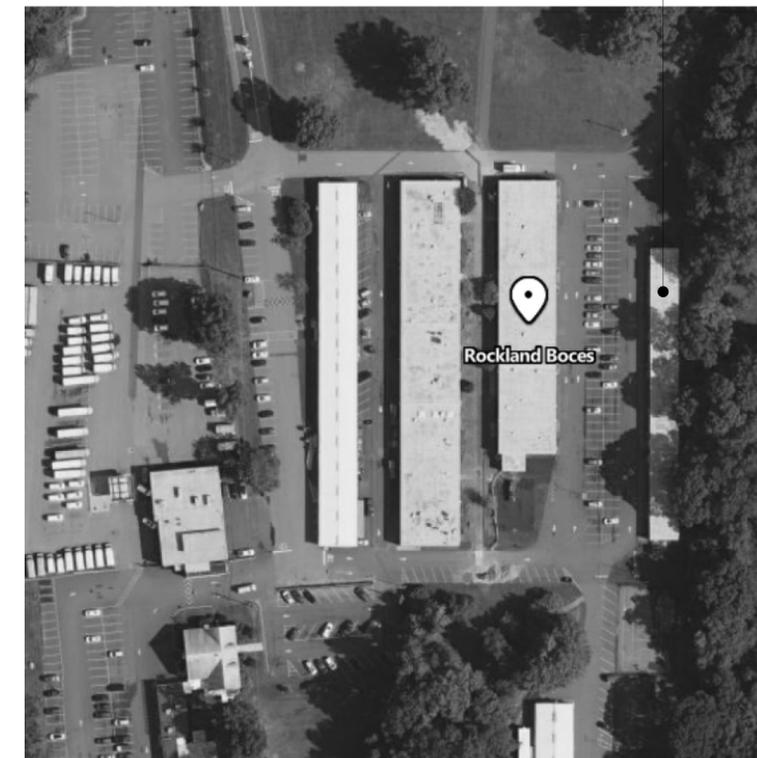
OCCUPANCY	AREA	SQ.FT/ PERSON TABLE VII-765 (2003)	SQ.FT/ PERSON TABLE 1004-1.2 (2020 IBC)
C1/B	Office	200 (150 above or below grade story)	150
C4.1/S	Storage	300 (250 above or below grade story)	300
C5/E	Dining Room	15	15
	Exercise Room	50	50
	Gymnasium	15	15
	Locker Rooms	50	50
	Shops/ Labs/ Vocational	50	50
	Classrooms	20	20
	Library Reading	50	50
	Library Stacks	100	100

**EXISTING COMPLYING. EXISTING OCCUPANCY IS NOT INCREASED BY RENOVATIONS.**

1020.4 Dead Ends. Where more than one exit or exit access doorway is required, the exit access shall be arranged such that dead-end corridors do not exceed 20 feet in length. **EXISTING COMPLYING.**

**REFERENCE CODES:**

- 2020 Building Code of New York State
- 2020 Existing Building Code of New York State
- 2020 Fire Code of New York State
- 2020 Mechanical Code of New York State
- 2020 Energy Conservation Code of New York State
- NEC 2017
- ANSI 117.1-2009
- NYSED MPS 1998



**ROCKLAND BOCES CAMPUS AERIAL VIEW**  
 N.T.S. 1

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**REVISIONS**

No.	Description	Date

**ISSUED:** CD SET

**DATE:** 2/15/23

**SCALE:** 12" = 1'-0"

**SHEET NAME:**  
 PROJECT INFORMATION

**SHEET NUMBER:**

**G-011**



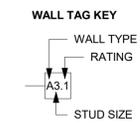
### WALL TYPE NOTES

- ALL WALLS ARE TYPE A3.0 UNLESS NOTED OTHERWISE.
- USE TYPE "X" GYP. BOARD THROUGH OUT UNLESS NOTED OTHERWISE.
- IN ALL PARTITIONS DO NOT PLACE ELECTRICAL BOXES OR SIMILAR DEVICES BACK TO BACK OR SIDE TO SIDE IN MANNER TO DIMINISH ACOUSTIC RATING. CAULK PER MANUFACTURE'S RECOMMENDATION TO ALL BOXES.
- REFER TO LIFE SAFETY PLAN SHEETS G-100'S, FOR FIRE RATED WALL LOCATIONS.
- PROVIDE SOUND BATT INSULATION IN ALL UNIT DEMISING WALLS, UNIT CORRIDOR WALLS, BATHROOM WALLS, ELEVATOR WALLS.
- AT PENETRATIONS IN RATED WALLS EXCEEDING 96 SQ. INCHES, LINE THE PENETRATION WITH THE SAME LAYERS OF GYP. BD. AS THE WALL. ONE LAYER FIRE RATED GYPSUM BOARD FOR 1 HR. WALLS AND TWO LAYERS FOR 2 HR. WALLS
- PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE.
- AT WALLS WITH TILE, REPLACE 5/8" TYPE "X" GYP. BD. WITH 5/8" CEMENT BOARD AND WATERPROOF MEMBRANE BEHIND ALL TILE AND 5/8" MR GYP. BD. ABOVE TILE WHERE TILE STOPS AT 5'-0" AFF. SEE INTERIOR ELEVATIONS.
- ALL TOP TRACKS ON NON LOAD BEARING WALLS TO BE SLIP TRACKS.
- PROVIDE 1 1/2" SPRAY APPLIED INSULATION ONLY WHERE METAL STUD WALL MEETS THE ROOF.

### PARTITION TYPE LEGEND

WALL TYPE	RATING
A = ACOUSTICAL WALL	.0 = 30 MINUTE RATING
C = CHASE WALL	.1 = 1 HOUR RATING
F = FURRING WALL	.2 = 2 HOUR RATING
M = MASONRY WALL	
P = PARTIAL HEIGHT WALL	
S = SHAFT WALL	
T = SHEAR WALL	

STUD SIZE
X = NO FRAMING MEMBER
0 = 7/8"
1 = 1 5/8"
2 = 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"
8 = 8"



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#### REVISIONS

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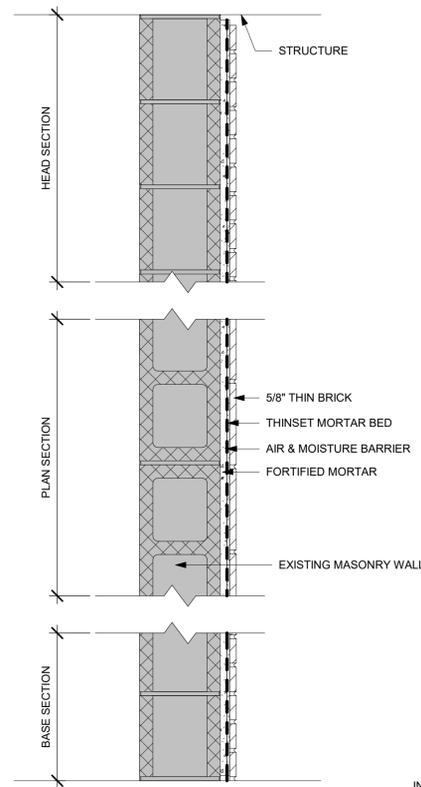
**DATE:** 2/15/23

**SCALE:** As indicated

**SHEET NAME:**  
INTERIOR WALL TYPES

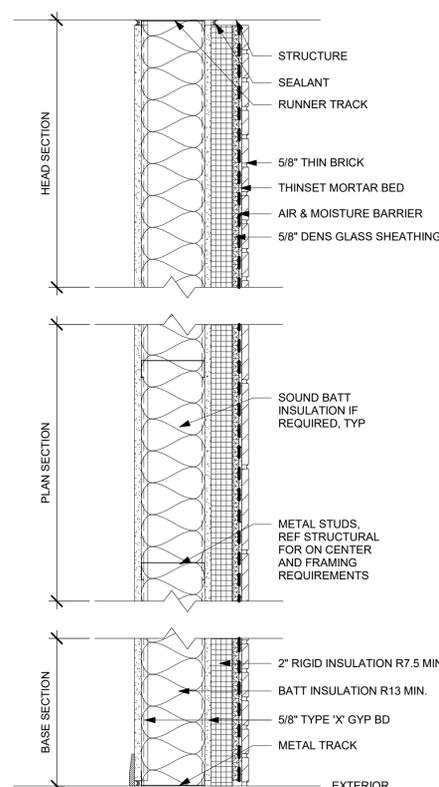
**SHEET NUMBER:**

**G-041**



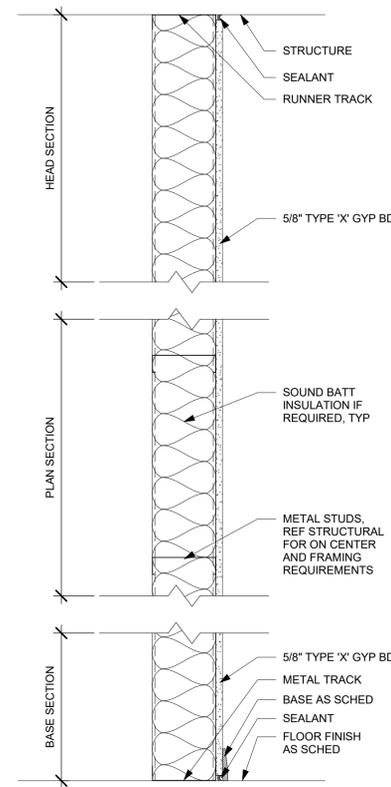
#### WALL TYPE M

CONCRETE MASONRY UNIT  
CORE WALL UNIT, WITH OR WITHOUT  
INTERIOR FURR OUT, ONE OR BOTH SIDES  
UL # = XXXX  
2 HR FIRE RATING  
STC (DESIGNED) = 65



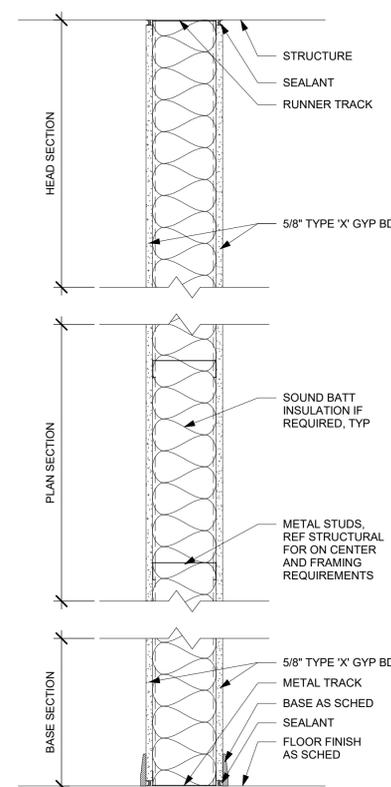
#### WALL TYPE B

ONE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD  
ON BOTH SIDES OF METAL STUDS  
BATT INSULATION IN CAVITY  
UL # = U419  
STC (DESIGNED) = 52



#### WALL TYPE F

ONE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD  
ON ONE SIDE OF METAL STUDS



#### WALL TYPE A

ONE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD  
ON BOTH SIDES OF METAL STUDS  
BATT INSULATION IN CAVITY  
UL # = U419  
STC (DESIGNED) = 52

METAL STUD TYPE

### WALL TYPE LEGEND MODIFIED

1 1/2" = 1'-0"

3

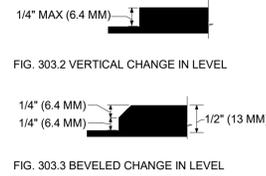
### 303 CHANGES IN LEVEL

NOT TO SCALE

NOTES:

**303.2. VERTICAL.** CHANGES IN LEVEL BETWEEN 1/4" (6.4 MM) HIGH MINIMUM AND 1/2" (13MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

**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 (CURB RAMPS)



### 304 TURNING SPACE

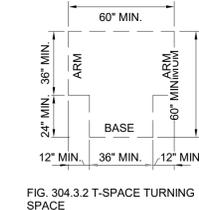
NOT TO SCALE

NOTES:

**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 PERMITTED.

**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



### 305 CLEAR FLOOR OR GROUND SPACE

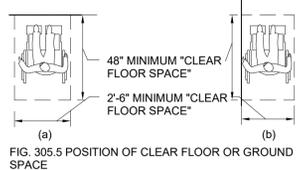
NOT TO SCALE

NOTES:

**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 FLOOR OR GROUND SPACE.



### 306 KNEE AND TOE CLEARANCE

NOT TO SCALE

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 ELEMENT.

**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 TOE CLEARANCE.

**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.



### 308 REACH RANGES

NOT TO SCALE

NOTES:

**308.2 FORWARD REACH.**

**308.2.1 UNOBSTRUCTED FORWARD REACH.** 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.**

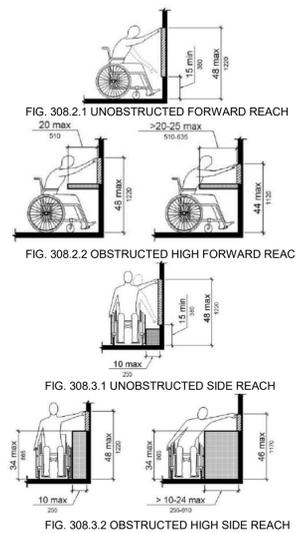
**308.3.1 UNOBSTRUCTED SIDE REACH.** WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" (1220 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. 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 SIDE REACH.** WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL NOT EXCEED 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.

**EXCEPTION 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.



### 402 ACCESSIBLE ROUTES

NOT TO SCALE

NOTES:

**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

NOTES:

**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 THE 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) MINIMUM.

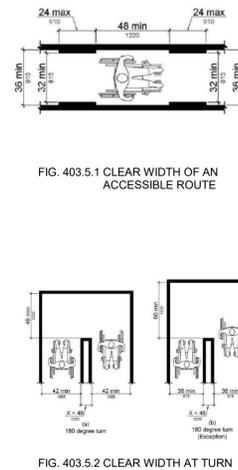
**EXCEPTION:** THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" (815 MM) MINIMUM FOR A LENGTH OF 24" (610 MM) MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" (1220 MM) LONG MINIMUM AND 36" (915 MM) WIDE MINIMUM.

**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 80" (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.



### 404 DOORS, DOORWAYS, AND GATES

NOT TO SCALE

NOTES:

**404.2. 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 FINISH FLOOR OR GROUND.

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

**404.2.4.2. DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS.** DOORWAYS LESS THAN 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 WITHIN 18" (455 MM) OF 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.

**404.2.5. THRESHOLDS.** THRESHOLDS, IF PROVIDED AT 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.

**404.2.6. 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.

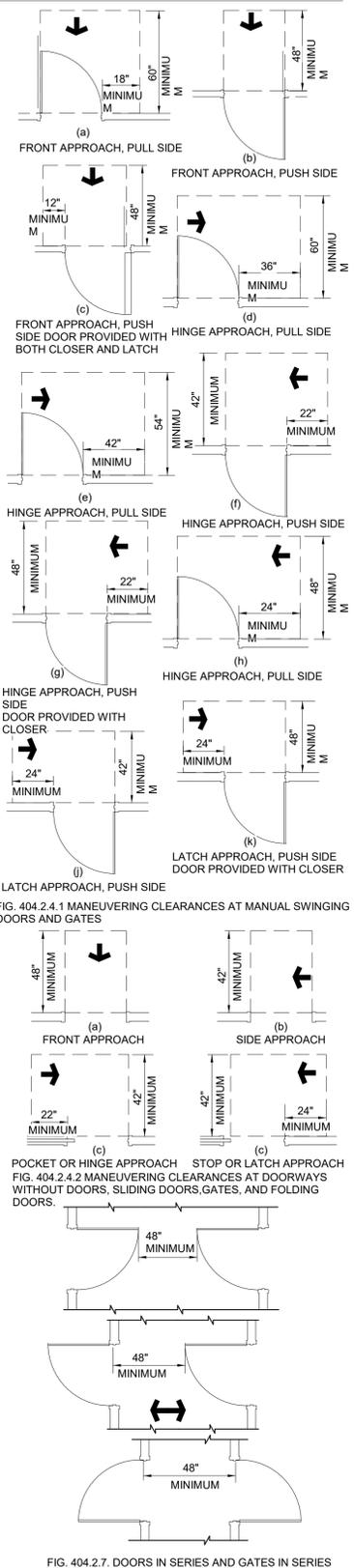
**EXCEPTIONS:** 1. EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES, EXISTING OVERHEAD ROLLING DOORS OR GRILLES, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE TOP OR BOTTOM RAIL. 2. ACCESS GATES IN BARRIER WALLS 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 MINIMUM.

**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) MAXIMUM
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).



## Building #6 Life Skills Alteration

65 Parrot Road  
West Nyack, NY 10994

SED# 50-90-00-00-0-006-004

REVISIONS		
No.	Description	Date

ISSUED: CD SET

DATE: 2/15/23

SCALE:  
SHEET NAME:  
ACCESSIBILITY  
COMPLIANCE DIAGRAMS

SHEET NUMBER:

G-051

# 603 TOILET AND BATHING ROOMS

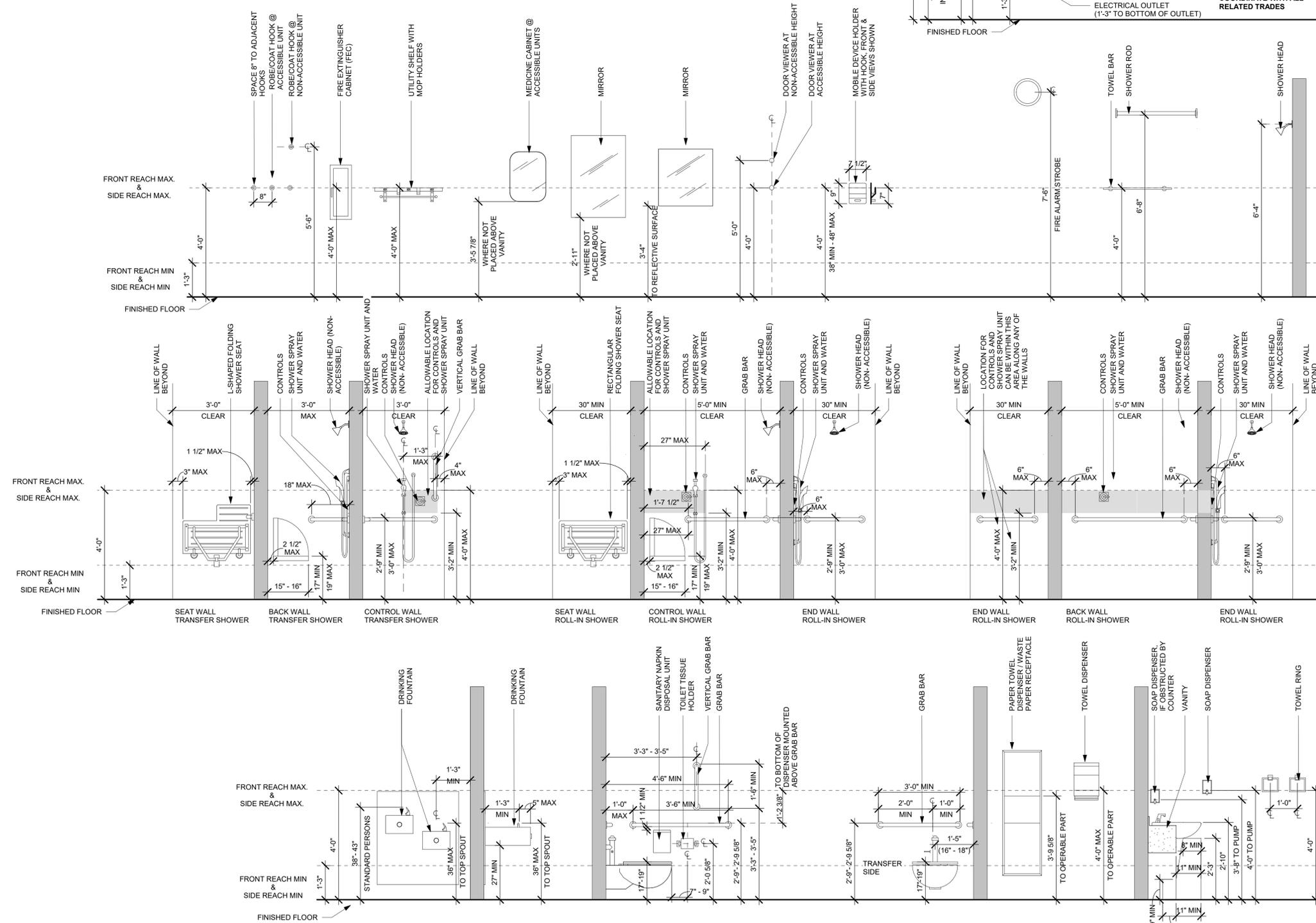
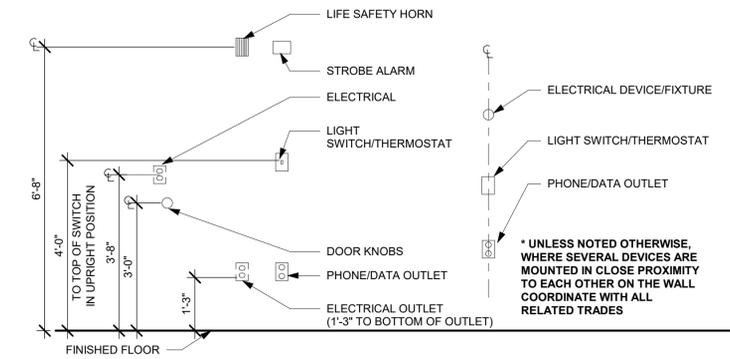
NOT TO SCALE

NOTES:

**603.2.3. DOOR SWING.** DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY 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 CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3. 2. WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.  
**ADVISORY 603.2.3. DOOR SWING EXCEPTION 1.** AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS REVERSED IN THE FUTURE, THE DOOR MUST MEET ALL THE REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING CANNOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE. ALSO, AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES WHEN THE DOOR SWING IS REVERSED.

NOTES:

1. ALL PLUMBING FIXTURES AS SPECIFIED IN PLUMBING FIXTURE SCHEDULE (PLUMB DWGS) SHALL BE ACCESSIBLE. ADA TOILET RIM HEIGHT SHALL BE 17"-19".
2. PROVIDE SIDE SPLASH WHERE REQUIRED.
3. PROVIDE SOLID IN WALL BLOCKING FOR HANDRAILS, LIGHT FIXTURES, COUNTERTOPS, MIRRORS, AND SIMILAR ITEMS.
4. SEE FINISH SCHEDULE IN SPECIFICATION FOR FINISHES.
5. PROVIDE SEALANT BETWEEN BACKSPASH, SIDESPLASH AND WALLS.



**STANDARD MOUNTING HEIGHTS**  
 1/2" = 1'-0" **A4**

ARCHITECT



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## Building #6 Life Skills Alteration

65 Parrot Road  
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SED# 50-90-00-00-0-006-004

REVISIONS		
No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** 1/2" = 1'-0"  
**SHEET NAME:**  
 STANDARD MOUNTING  
 HEIGHTS

**SHEET NUMBER:**

**G-052**

DRAWN BY: AUTHOR  
 CHECKED BY: PROJECT MANAGER  
 2/23/2023 4:20:38 PM



### Building #6 Life Skills Alteration

65 Parrot Road  
West Nyack, NY 10994

SED# 50-90-00-0-006-004



REVISIONS

No.	Description	Date

ISSUED: CD SET

DATE: 2/15/23

SCALE: As indicated

SHEET NAME:  
LEVEL 1 LIFE SAFETY  
PLAN

SHEET NUMBER:

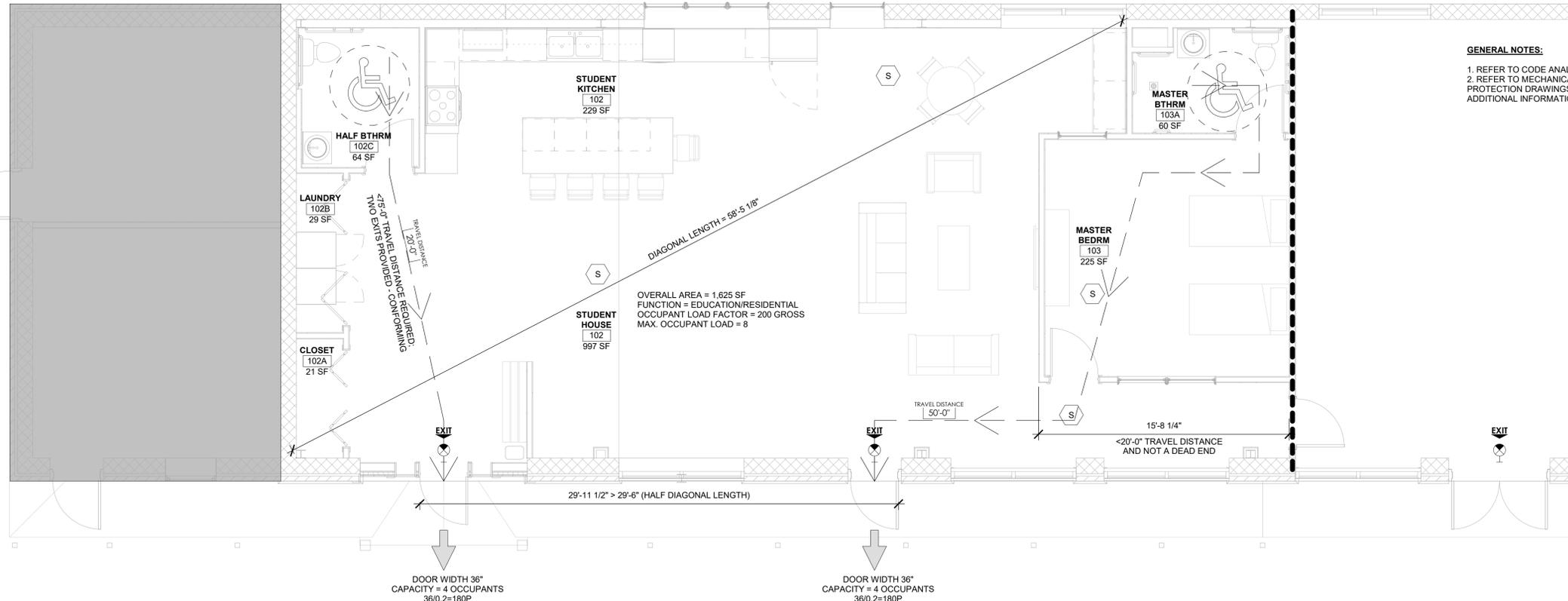
# G-101

FUNCTION	LOAD FACTOR	AREA	OCCUPANT LOAD
EDUCATION	20 NET	2,797 SF	140
RESIDENTIAL	200 GROSS	1,625 SF	8
ADMIN	150 GROSS	2,177 SF	15
ASSEMBLY	15 NET	582 SF	39
STORAGE	300 GROSS	533 SF	3

LIFE SAFETY LEGEND	
	SMOKE PARTITION
	1 HR FIRE PARTITION
	2 HR FIRE PARTITION
	TRAVEL DISTANCE
	FULL RECESSED FIRE EXTINGUISHER CABINET
	SEMI-RECESSED FIRE EXTINGUISHER CABINET
	SURFACE MOUNTED FIRE EXTINGUISHER BRACKET
	WALL MOUNTED EXIT SIGN
	SMOKE DETECTOR
	N.I.C.

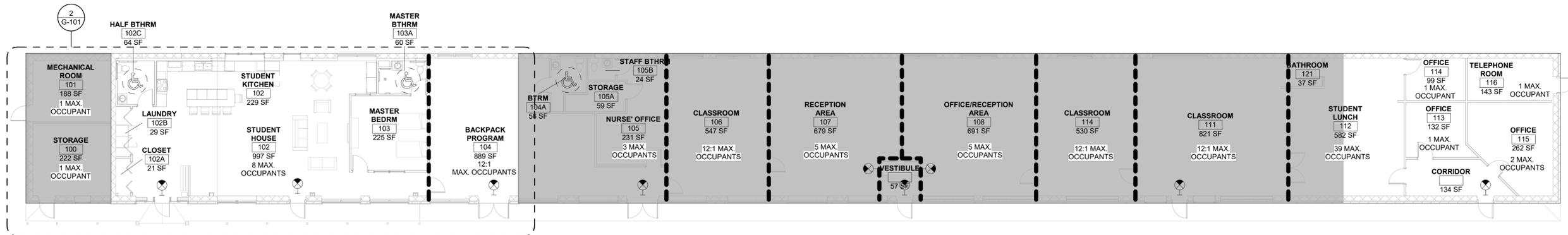
**GENERAL NOTES:**

- REFER TO CODE ANALYSIS FOR ADDITIONAL INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR SYMBOL LEGENDS AND ADDITIONAL INFORMATION.



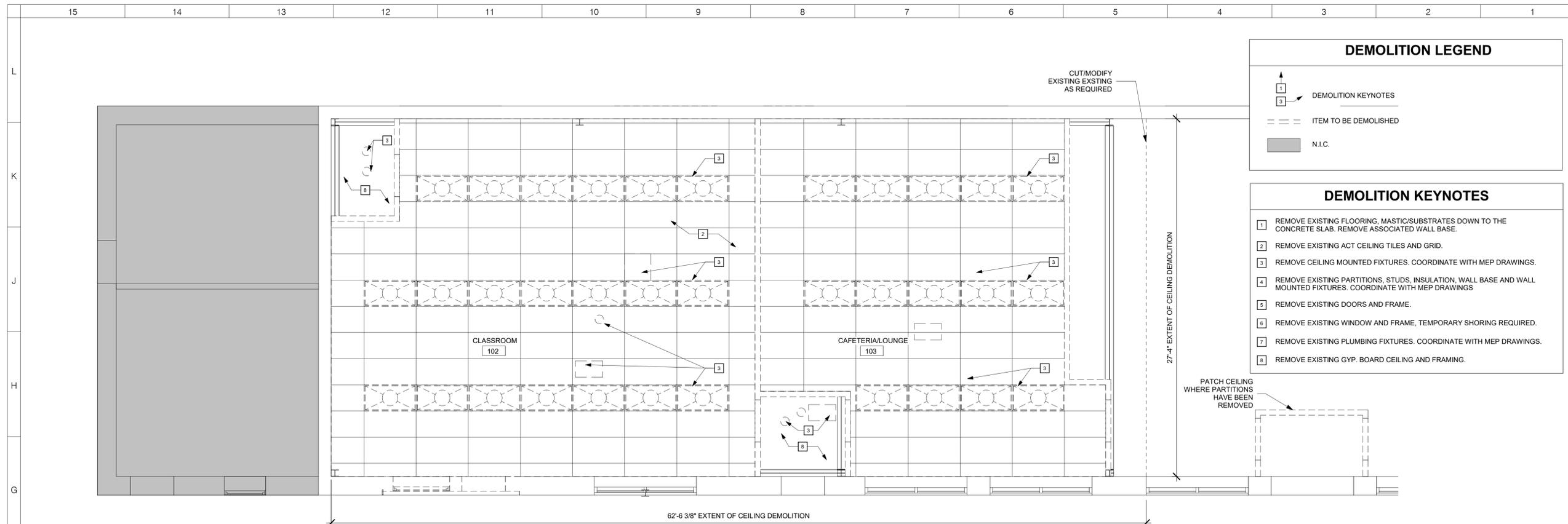
### ENLARGED LIFE SAFETY PLAN 2

1/4" = 1'-0"

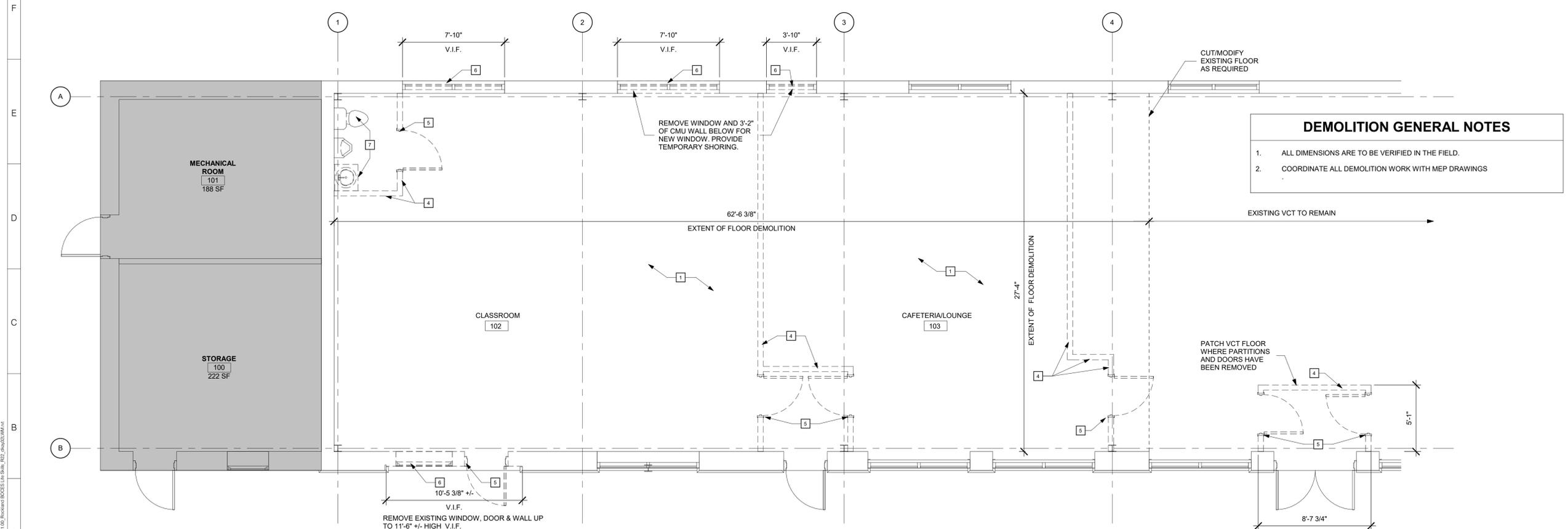


### OVERALL BUILDING #6 LIFE SAFETY PLAN 1

3/32" = 1'-0"



**ENLARGED DEMOLITION RCP**  
1/4" = 1'-0" 2



**ENLARGED DEMOLITION FLOOR PLAN**  
1/4" = 1'-0" 1

**DEMOLITION LEGEND**

DEMOLITION KEYNOTES

- 1 REMOVE EXISTING FLOORING, MASTIC/SUBSTRATES DOWN TO THE CONCRETE SLAB. REMOVE ASSOCIATED WALL BASE.
- 2 REMOVE EXISTING ACT CEILING TILES AND GRID.
- 3 REMOVE CEILING MOUNTED FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 4 REMOVE EXISTING PARTITIONS, STUDS, INSULATION, WALL BASE AND WALL MOUNTED FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 5 REMOVE EXISTING DOORS AND FRAME.
- 6 REMOVE EXISTING WINDOW AND FRAME, TEMPORARY SHORING REQUIRED.
- 7 REMOVE EXISTING PLUMBING FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 8 REMOVE EXISTING GYP. BOARD CEILING AND FRAMING.

--- ITEM TO BE DEMOLISHED

■ N.I.C.

**DEMOLITION KEYNOTES**

- 1 REMOVE EXISTING FLOORING, MASTIC/SUBSTRATES DOWN TO THE CONCRETE SLAB. REMOVE ASSOCIATED WALL BASE.
- 2 REMOVE EXISTING ACT CEILING TILES AND GRID.
- 3 REMOVE CEILING MOUNTED FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 4 REMOVE EXISTING PARTITIONS, STUDS, INSULATION, WALL BASE AND WALL MOUNTED FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 5 REMOVE EXISTING DOORS AND FRAME.
- 6 REMOVE EXISTING WINDOW AND FRAME, TEMPORARY SHORING REQUIRED.
- 7 REMOVE EXISTING PLUMBING FIXTURES. COORDINATE WITH MEP DRAWINGS.
- 8 REMOVE EXISTING GYP. BOARD CEILING AND FRAMING.

**DEMOLITION GENERAL NOTES**

1. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
2. COORDINATE ALL DEMOLITION WORK WITH MEP DRAWINGS.

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**Building #6  
Life Skills  
Alteration**

65 Parrot Road  
West Nyack, NY 10994

SED# 50-90-00-0-006-004

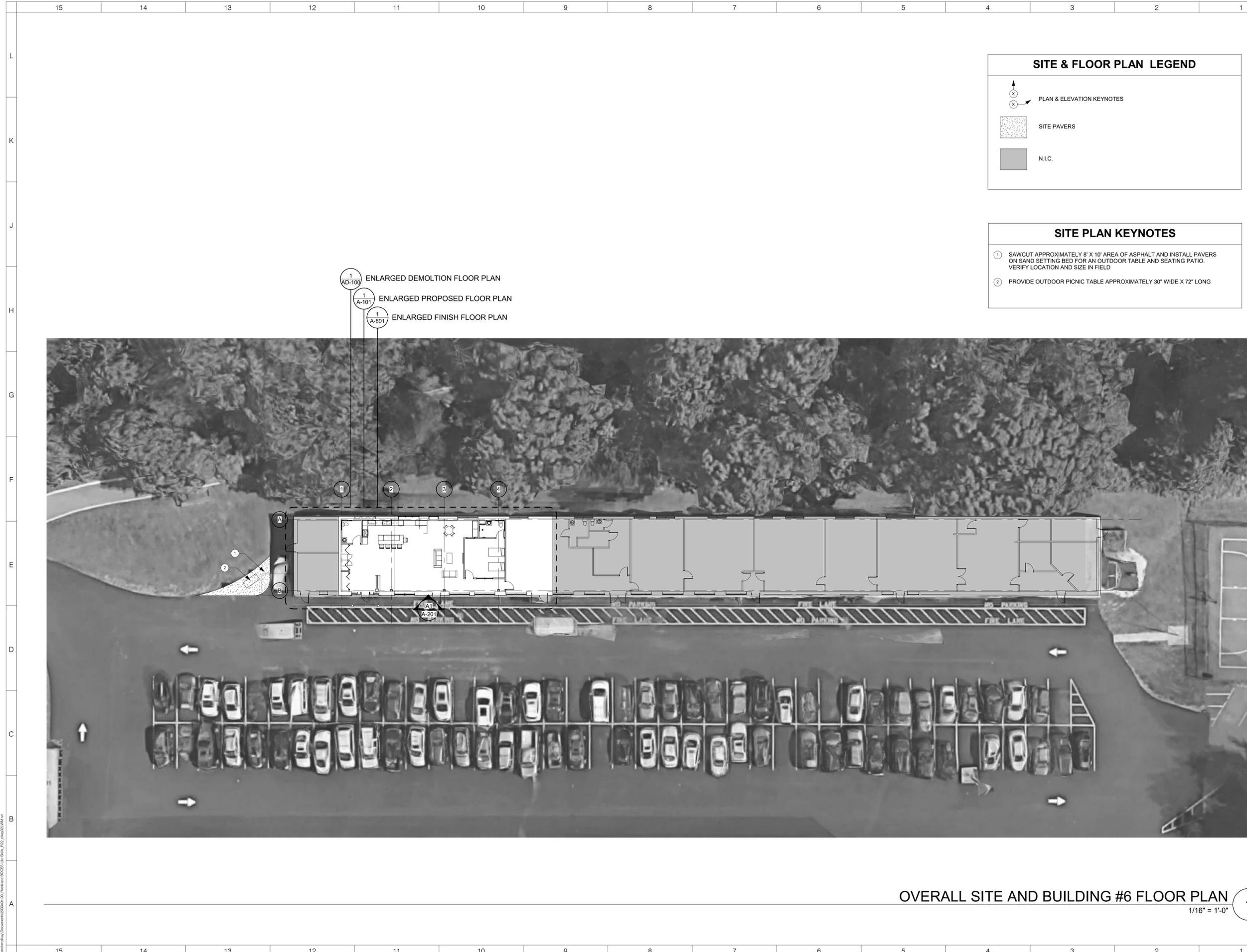
**REVISIONS**

No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** As indicated  
**SHEET NAME:** DEMOLITION FLOOR PLANS/RCP

**SHEET NUMBER:**  
**AD-100**

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- 1 AD-100 ENLARGED DEMOLITION FLOOR PLAN
- 1 A-101 ENLARGED PROPOSED FLOOR PLAN
- 1 A-801 ENLARGED FINISH FLOOR PLAN

**SITE & FLOOR PLAN LEGEND**

- PLAN & ELEVATION KEYNOTES
- SITE PAVERS
- N.I.C.

**SITE PLAN KEYNOTES**

- 1 SAWCUT APPROXIMATELY 8' X 10' AREA OF ASPHALT AND INSTALL PAVERS ON SAND SETTING BED FOR AN OUTDOOR TABLE AND SEATING PATIO. VERIFY LOCATION AND SIZE IN FIELD
- 2 PROVIDE OUTDOOR PICNIC TABLE APPROXIMATELY 30" WIDE X 72" LONG

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**Building #6  
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65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-0-006-004



**REVISIONS**

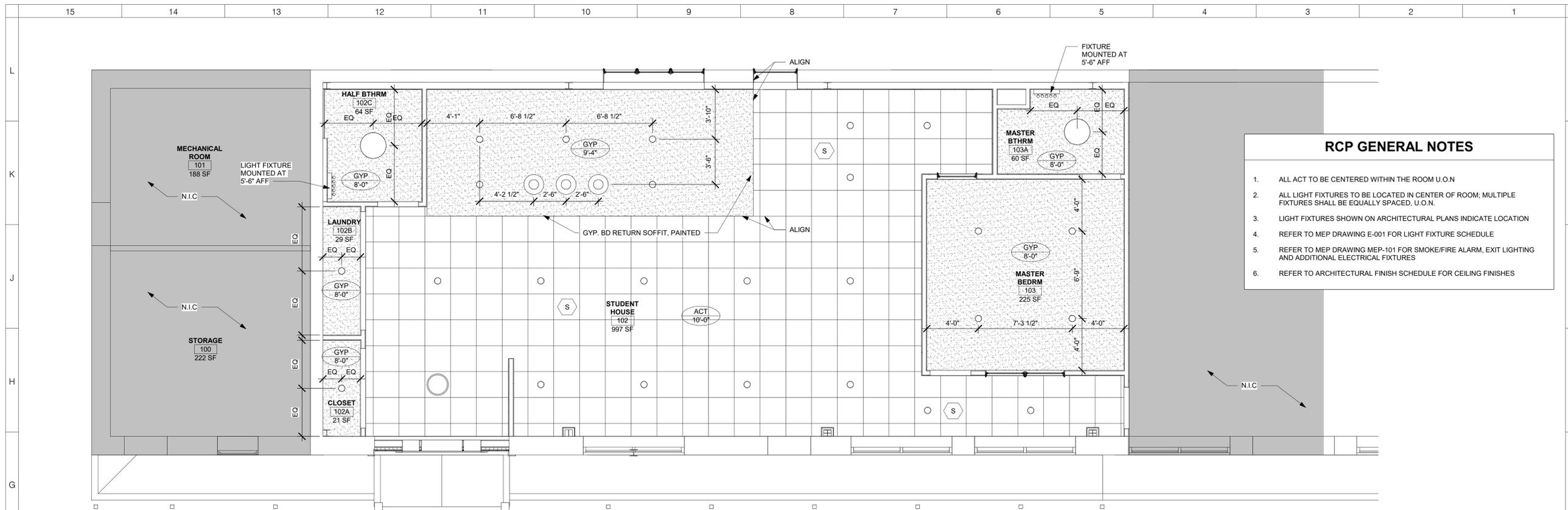
No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** As indicated  
**SHEET NAME:** ARCHITECTURAL SITE PLAN  
**SHEET NUMBER:**

**A-011**

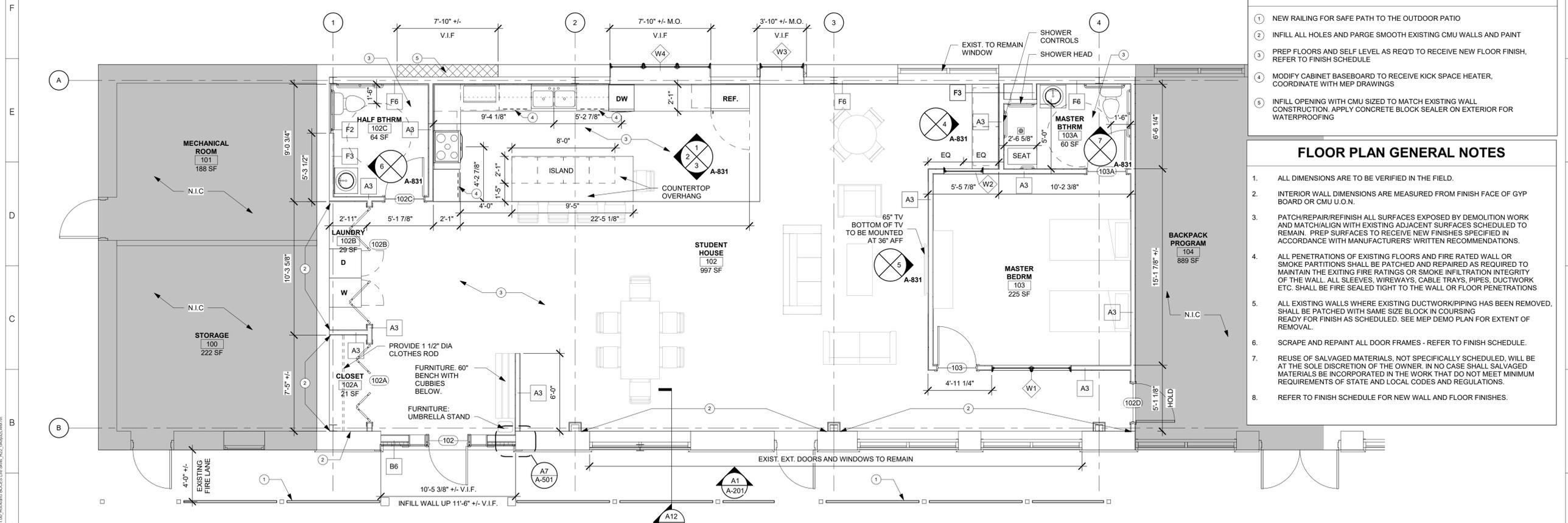
**OVERALL SITE AND BUILDING #6 FLOOR PLAN** 1  
 1/16" = 1'-0"

DRAWN BY: AUTHOR  
 CHECKED BY: ARCHITECT  
 PROJECT: 2333401.00\_Rockland BOCES Life Skills Alteration  
 DATE: 2/15/23 4:20:14 PM



ENLARGED PROPOSED RCP (2)  
 1/4" = 1'-0"

- ### RCP GENERAL NOTES
1. ALL ACT TO BE CENTERED WITHIN THE ROOM U.O.N
  2. ALL LIGHT FIXTURES TO BE LOCATED IN CENTER OF ROOM; MULTIPLE FIXTURES SHALL BE EQUALLY SPACED, U.O.N.
  3. LIGHT FIXTURES SHOWN ON ARCHITECTURAL PLANS INDICATE LOCATION
  4. REFER TO MEP DRAWING E-001 FOR LIGHT FIXTURE SCHEDULE
  5. REFER TO MEP DRAWING MEP-101 FOR SMOKE/FIRE ALARM, EXIT LIGHTING AND ADDITIONAL ELECTRICAL FIXTURES
  6. REFER TO ARCHITECTURAL FINISH SCHEDULE FOR CEILING FINISHES



ENLARGED PROPOSED FLOOR PLAN (1)  
 1/4" = 1'-0"

- ### FLOOR PLAN KEYNOTES
1. NEW RAILING FOR SAFE PATH TO THE OUTDOOR PATIO
  2. INFILL ALL HOLES AND PARGE SMOOTH EXISTING CMU WALLS AND PAINT
  3. PREP FLOORS AND SELF LEVEL AS REQ'D TO RECEIVE NEW FLOOR FINISH. REFER TO FINISH SCHEDULE
  4. MODIFY CABINET BASEBOARD TO RECEIVE KICK SPACE HEATER, COORDINATE WITH MEP DRAWINGS
  5. INFILL OPENING WITH CMU SIZED TO MATCH EXISTING WALL CONSTRUCTION. APPLY CONCRETE BLOCK SEALER ON EXTERIOR FOR WATERPROOFING

- ### FLOOR PLAN GENERAL NOTES
1. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
  2. INTERIOR WALL DIMENSIONS ARE MEASURED FROM FINISH FACE OF GYP BOARD OR CMU U.O.N.
  3. PATCH/REPAIR/REFINISH ALL SURFACES EXPOSED BY DEMOLITION WORK AND MATCH/ALIGN WITH EXISTING ADJACENT SURFACES SCHEDULED TO REMAIN. PREP SURFACES TO RECEIVE NEW FINISHES SPECIFIED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN RECOMMENDATIONS.
  4. ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALL OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATINGS OR SMOKE INFILTRATION INTEGRITY OF THE WALL. ALL SLEEVES, WIREWAYS, CABLE TRAYS, PIPES, DUCTWORK ETC. SHALL BE FIRE SEALED TIGHT TO THE WALL OR FLOOR PENETRATIONS
  5. ALL EXISTING WALLS WHERE EXISTING DUCTWORK/PIPING HAS BEEN REMOVED, SHALL BE PATCHED WITH SAME SIZE BLOCK IN COURSING READY FOR FINISH AS SCHEDULED. SEE MEP DEMO PLAN FOR EXTENT OF REMOVAL.
  6. SCRAPE AND REPAINT ALL DOOR FRAMES - REFER TO FINISH SCHEDULE.
  7. REUSE OF SALVAGED MATERIALS, NOT SPECIFICALLY SCHEDULED, WILL BE AT THE SOLE DISCRETION OF THE OWNER. IN NO CASE SHALL SALVAGED MATERIALS BE INCORPORATED IN THE WORK THAT DO NOT MEET MINIMUM REQUIREMENTS OF STATE AND LOCAL CODES AND REGULATIONS.
  8. REFER TO FINISH SCHEDULE FOR NEW WALL AND FLOOR FINISHES.



## Building #6 Life Skills Alteration

65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-00-0-006-004

REVISIONS

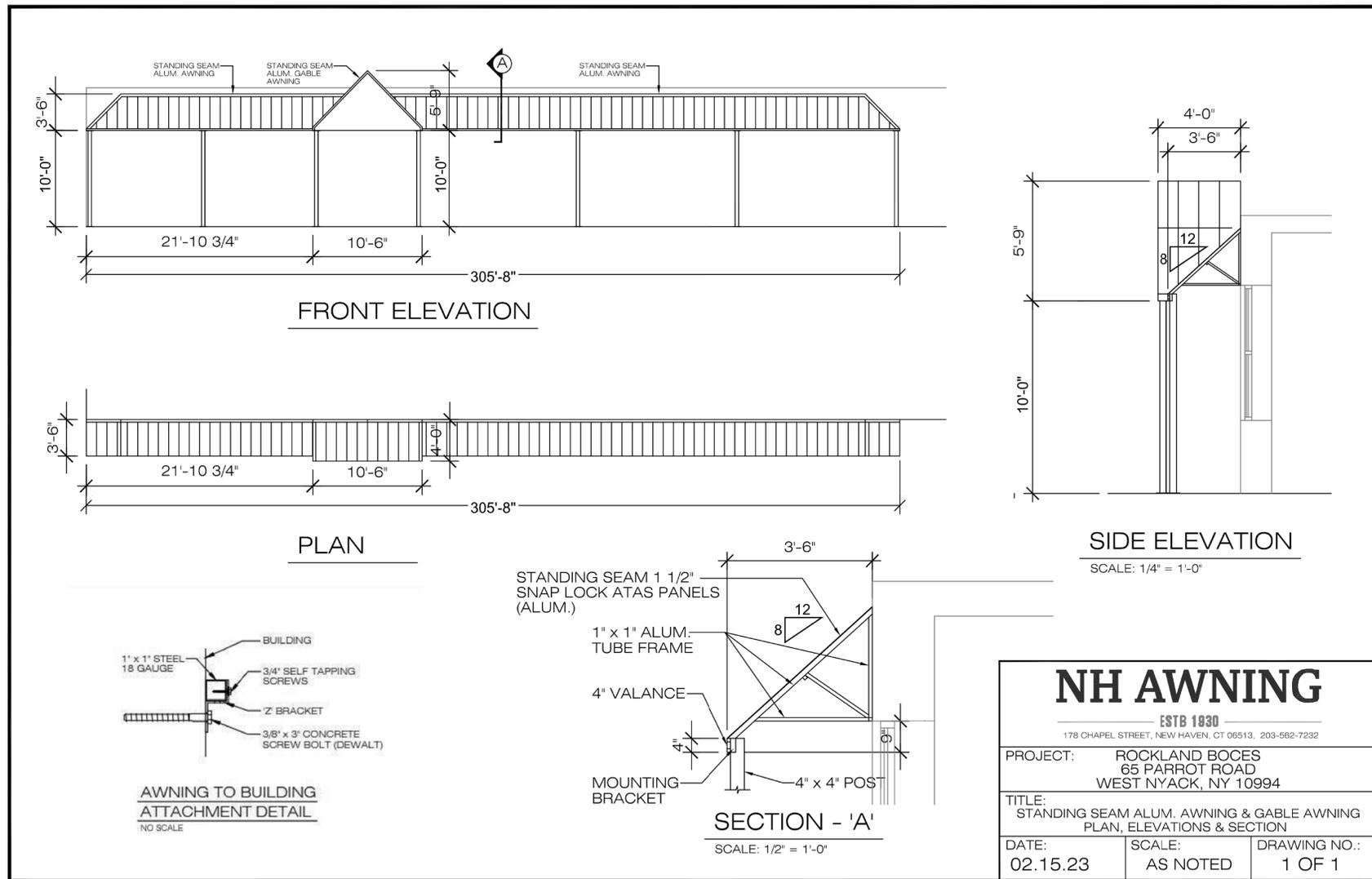
No.	Description	Date

ISSUED: CD SET  
 DATE: 2/15/23  
 SCALE: As indicated  
 SHEET NAME:  
 NEW WORK FLOOR  
 PLAN/ RCP

SHEET NUMBER:  
**A-101**

**DESIGN CRITERIA FOR AWNING**

MEETS OR EXCEEDS IBC (2018) FOR:  
 LIVE LOAD: 20PSF (AWNINGS AND CANOPIES)  
 SNOW LOAD: 30 PSF  
 WIND LOAD: 115MPH FOR 3 SECOND GUST  
 RISK EXPOSURE: III  
 EXPOSURE CATEGORY: B



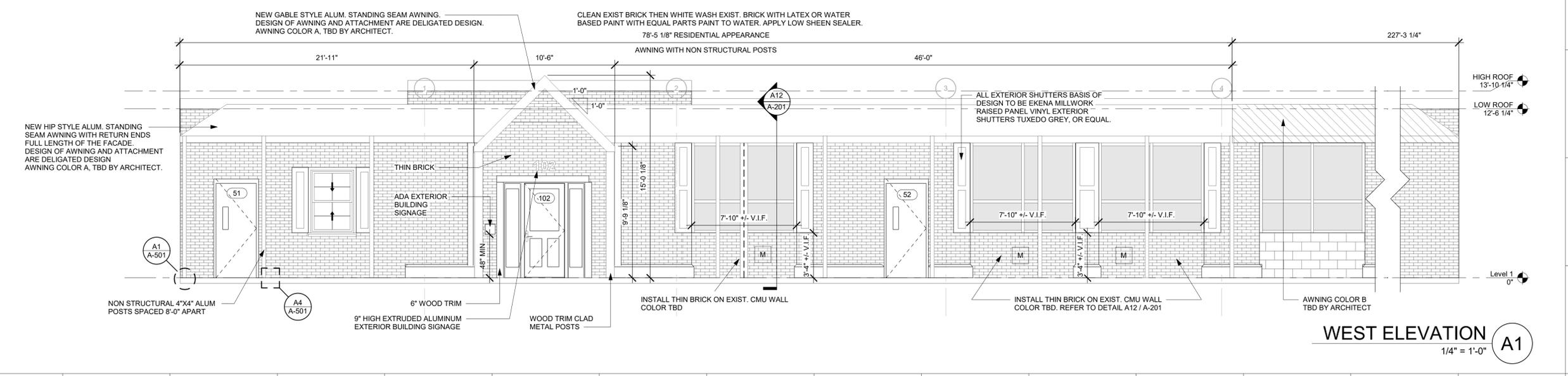
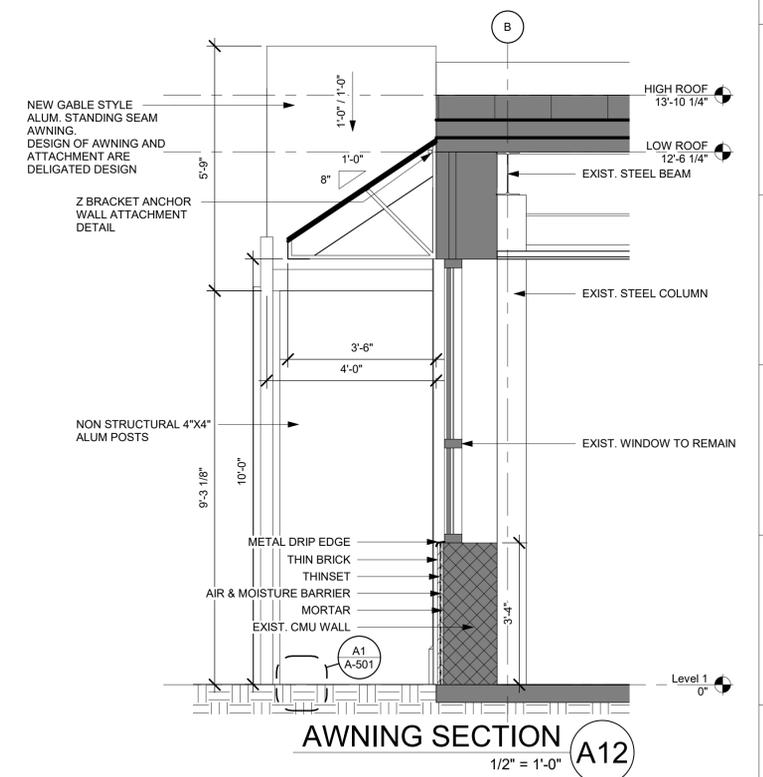
**NH AWNING**  
 ESTB 1830  
 178 CHAPEL STREET, NEW HAVEN, CT 06513, 203-562-7232

PROJECT: ROCKLAND BOCES  
 65 PARROT ROAD  
 WEST NYACK, NY 10994

TITLE: STANDING SEAM ALUM. AWNING & GABLE AWNING  
 PLAN, ELEVATIONS & SECTION

DATE: 02.15.23 SCALE: AS NOTED DRAWING NO.: 1 OF 1

- EXTERIOR GENERAL NOTES**
- ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED SAFETY GLAZING.
  - ALL EXTERIOR AND INTERIOR WINDOWS BASIS OF DESIGN TO BE PELLA LIFESTYLE SERIES WOOD DOUBLE HUNG WINDOWS ALUMINUM ENDURA-CLAD EXTERIOR PREFINISHED WHITE PAINTED ALUMINUM AND PRESTAINED BLACK WOOD, OR EQUAL.
  - ALL EXTERIOR WINDOW DIMENSIONS ARE OF EXIST. MASONRY OPENINGS. THEREFORE THE CONTRACTOR SHALL ALLOW FOR PROPER RO DIMENSIONS TO STUD, CMU, AND OTHER NEW WALL OPENING CONDITIONS TO PROPERLY SET ALL SHIMS, ANCHORS, AND BACKER RODS WITH SEALANT. IT'S THE DESIGN INTENT THAT EXTERIOR WINDOWS ARE SEALED COMPLETELY AROUND THE ENTIRE WINDOW WITH EXTERIOR SEALANT, SECONDARY BACKER, AND SEALANT ATTACHED TO THE AIR AND MOISTURE BARRIER. IT'S THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL IN THEIR RESPECTIVE SHOP DRAWINGS ALL NECESSARY ATTACHMENTS WHICH INCLUDES THE SEALANT AND ALL REQUIRED INFORMATION.
  - ALL EXTERIOR SHUTTERS BASIS OF DESIGN TO BE EKENA MILLWORK RAISED PANEL EXTERIOR SHUTTERS TUXEDO GREY, OR EQUAL. FIELD VERIFY ALL WINDOW HEIGHTS PRIOR TO INSTALLATION OF EXTERIOR SHUTTERS.
- IT'S THE RESPONSIBILITY OF THE GC/CONTRACTORS TO FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FABRICATION TO ENSURE THE RO ARE PROPERLY CREATED AND WILL HOUSE THE WINDOWS CORRECTLY AND ENSURE THAT THE WINDOWS HAVE OPTIMAL DESIGN PERFORMANCE WITHIN THE GIVEN WALL STRUCTURE.



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**Building #6**  
**Life Skills**  
**Alteration**

65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-00-006-004

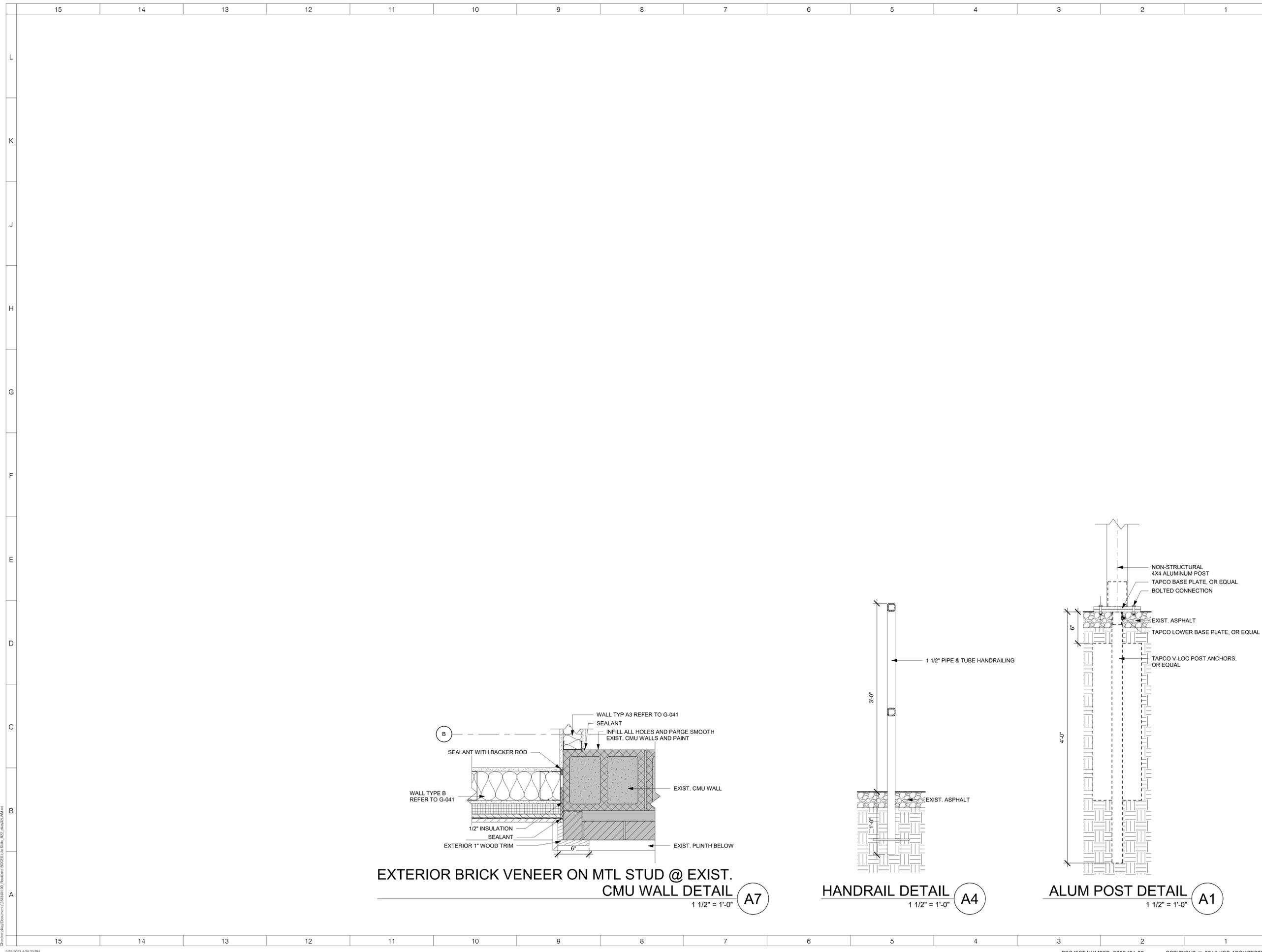
**REVISIONS**

No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** As indicated  
**SHEET NAME:** BUILDING ELEVATIONS

**SHEET NUMBER:**  
**A-201**

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ARCHITECT

**ksqdesign**

K SQ Architects PC dba KSQ Design  
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 New York, NY 10018  
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**Owner**

**ROCKLAND BOCES**  
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**MEP Engineer**

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 Middletown, NY 10940  
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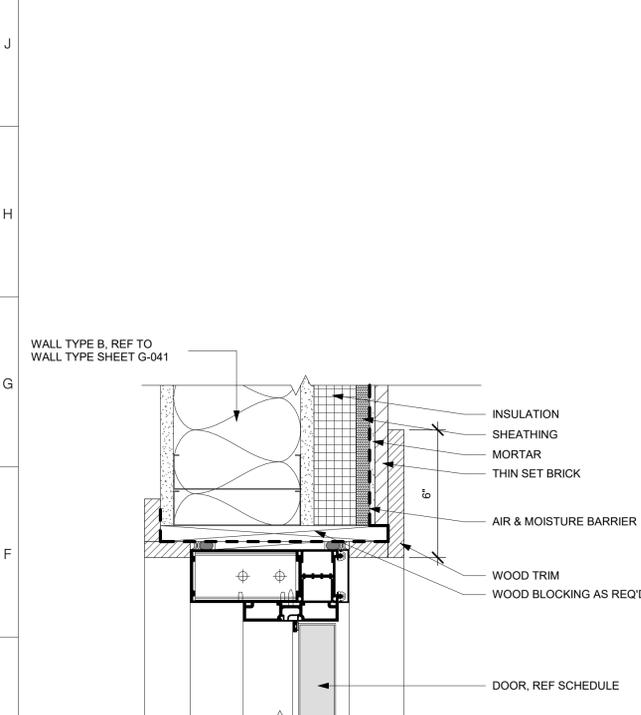
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**DATE:** 2/15/23  
**SCALE:** 1 1/2" = 1'-0"  
**SHEET NAME:**  
 EXTERIOR SECTION  
 DETAILS

**SHEET NUMBER:**  
**A-501**

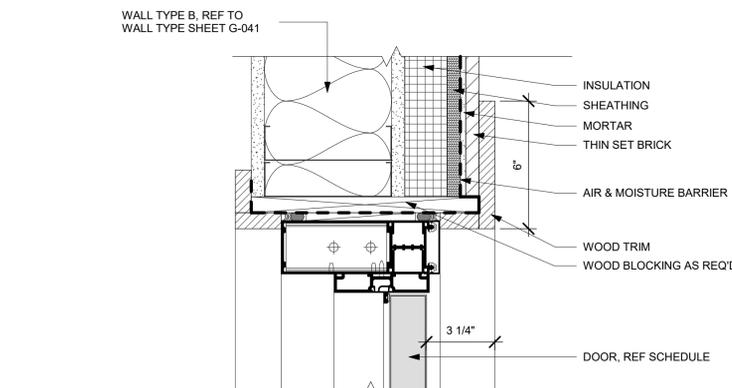
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PROGRESS SET FOR REVIEW ONLY

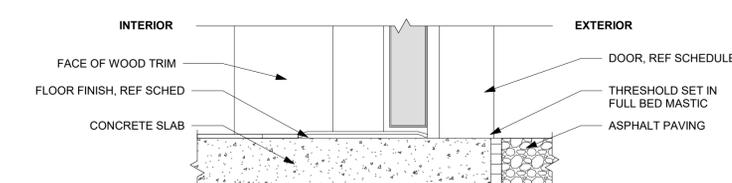
MARK	ROOM NAME	HARDWARE	TYPE	DOOR					FRAME					COMMENTS		
				SIZE			MATERIAL	GLASS TYPE	FINISH	TYPE	MATERIAL	FINISH	DETAIL			
				WIDTH	HEIGHT	THICKNESS							HEAD		JAMB	SILL
102	STUDENT HOUSE	1	1	3'-0"	7'-0"	1 3/8"	WD		STAIN	A	WD	STAIN	6	7	5	
102A	CLOSET	3	4	6'-0"	7'-0"	1 3/8"	WD		STAIN	C	HM	PAINT	3	4	2	
102B	LAUNDRY	3	4	9'-0"	7'-0"	1 3/8"	WD		STAIN	C	HM	PAINT	3	4	2	
102C	HALF BTHRM	2	3	3'-0"	7'-0"	1 3/8"	WD		STAIN	C	HM	PAINT	3	4	2	
102D	BACKPACK PROGRAM	4	2	3'-0"	7'-0"	1 3/4"	HM	G2	PAINT	C	HM	PAINT	3	4	2	
103	MASTER BEDRM	2	3	3'-0"	7'-0"	1 3/8"	WD		STAIN	C	HM	PAINT	3	4	2	
103A	MASTER BTHRM	2	3	3'-0"	7'-0"	1 3/8"	WD		STAIN	C	HM	PAINT	3	4	2	



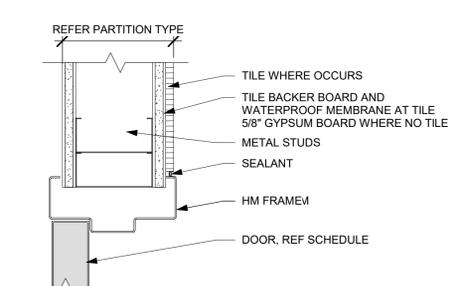
**ALUM JAMB AT BRICK VENEER**  
 3" = 1'-0" **7**



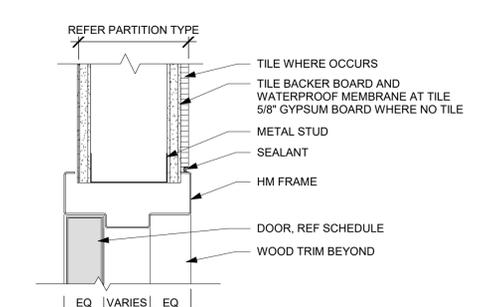
**ALUM DOOR SILL AT BRICK VENEER**  
 3" = 1'-0" **5**



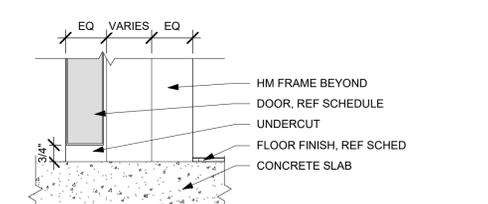
**ALUM HEAD AT BRICK VENEER**  
 3" = 1'-0" **6**



**HM JAMB**  
 3" = 1'-0" **4**

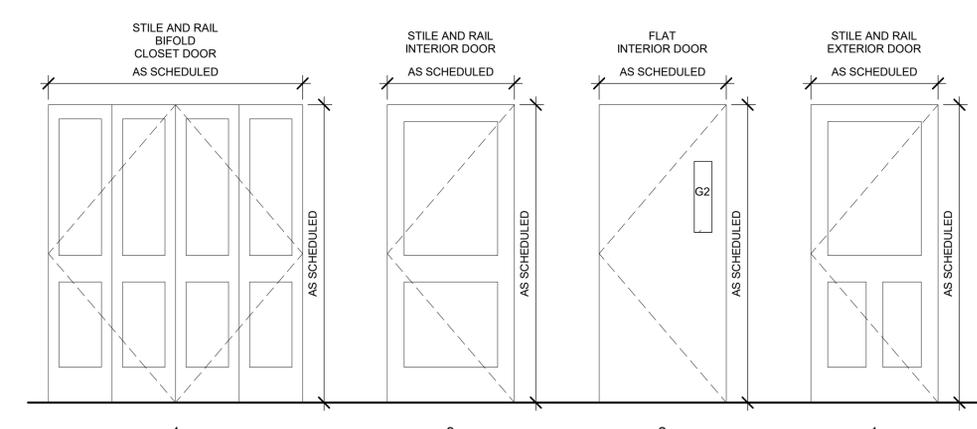


**HM HEAD**  
 3" = 1'-0" **3**

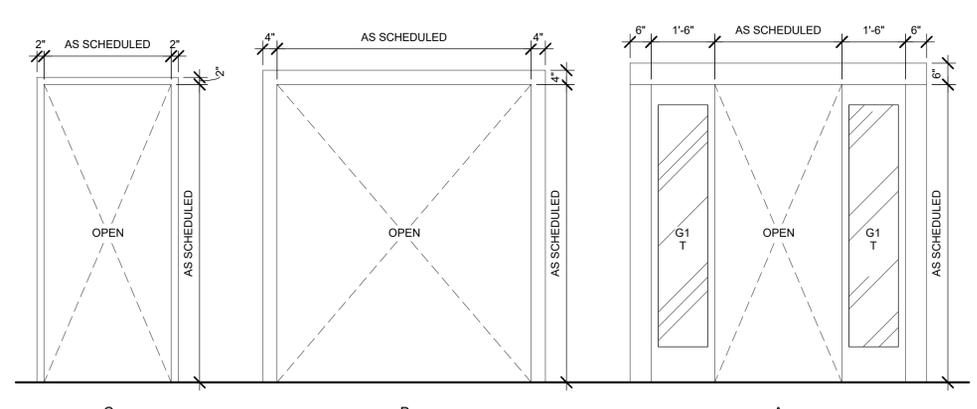


**HM SILL**  
 3" = 1'-0" **2**

GLAZING LEGEND	
G1	CLEAR, INSULATED, LAMINATED, SAFETY GLASS
G2	CLEAR, INSULATED, LAMINATED, SAFETY GLASS (INTERIOR U.O.N.)
T	DENOTES TEMPERED GLAZING



**DOOR TYPES**  
 N.T.S. **1**



**FRAME TYPES**  
 N.T.S. **1**



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REVISIONS		
No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** As indicated  
**SHEET NAME:** DOOR SCHEDULES / DETAILS  
**SHEET NUMBER:**

**A-601**



### APPLIANCE SCHEDULE

TAG	PRODUCT	MANUFACTURER	MODEL #	FINISH	COMMENTS
AP-1	30" FREE-STANDING ELECTRIC RANGE	GE	JBP23SRSS	STAINLESS	
AP-2	BUILT-IN DISHWASHER	GE	GSD3360DSS	STAINLESS	
AP-3	21.0 CU. FT. BOTTOM-FREEZER REFRIGERATOR	GE	GDE21EMKES	STAINLESS	
AP-4	1.5 CU. FT. COUNTERTOP CONVECTION/MICROWAVE	GE	PEB9159SJS	STAINLESS	
AP-5	7.0 CU. FT. SUPER CAPACITY ELECTRIC DRYER	GE	GFDN110ELWW	WHITE	
AP-6	3.5 DOE CU. FT. WASHER	GE	GFWN1100LWW	WHITE	

### FINISH LEGEND

SYMBOL	MATERIAL TYPE	MANUFACTURER	PATTERN	COLOR	NOTES
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	SERPENTINA - 815V916PT W/ ACOUSTICAL INFILL PANELS R062 PERFORATION	SILVER SATIN TRIM - SILVER SATIN	FITNESS GRID -
CPT-1	CARPET	LOWE'S, STAINMASTER	PET PROTECT CARPET	DARK SLATE	MASTER BEDROOM
GR-1	GROUT KITCHEN	XXX	XXX	XXX	XXX
GR-2	GROUT BATHROOM	XXX	XXX	XXX	XXX
LVT-1	LUXURY VINYL TILE	LOWE'S, STAINMASTER	7X48	GOLDEN BELLE HICKORY	FIELD LVT
LVT-2	LUXURY VINYL TILE	LOWE'S, LUCIDA USA	12X24 TERRACORE	HOLLAND GRAY	STUDENT KITCHEN
PT-1A	PAINT	SHERWIN WILLIAMS	-	SW 7028 INCREDIBLE WHITE	FIELD PAINT - WALLS & CEILINGS
PT-1B	PAINT	SHERWIN WILLIAMS	EPOXY	SW 7028 INCREDIBLE WHITE	RESTROOMS
SS-1	SOLID SURFACE - QUARTZ	LOWE'S, ALLEN & ROTH	SOLI D SURFACE	WHITE	ALL COUNTER TOPS
TL-1	CERAMIC TILE	LOWE'S, SATORI HUDSON	4X12, GLOSSY	BRILLIANT WHITE GLOSSY	STUDENT KITCHEN BACK SPLASH AND RESTROOM SPLASH
TL-2	PORCELAIN TILE	LOWE'S, AMERICAN VILLA	12X24, GLAZED CEMENT LOOK	CITY SCAPE GRAY	RESTROOM FLOOR
TS-1	TRANSITION STRIP	JOHNSONITE		GREY	LVT TO TILE
TS-2	TRANSITION STRIP	JOHNSONITE		GREY	LVT TO CARPET
TS-3	TRANSITION STRIP	JOHNSONITE		GREY	CARPET TO TILE
WB-1	RUBBER WALL BASE	MANNINGTON	OPTIMUM EDGE 6"	904 ORE	OVERALL WALL BASE

### PLUMBING FIXTURE SCHEDULE

TAG	PRODUCT	MANUFACTURER	PRODUCT NUMBER	COMMENTS
KS-1	DROP IN SINK / FAUCET			SEE PLUMBING DWG'S
LV-1	COUNTERTOP SINK			SEE PLUMBING DWG'S
SH-1	ADA SHOWER			SEE PLUMBING DWG'S
WC-1	FLUSH TOILET			SEE PLUMBING DWG'S

### TOILET ACCESSORY SCHEDULE

TAG	PRODUCT	MANUFACTURER	PRODUCT NUMBER	FINISH	COMMENTS
TA-1	LILAH TISSUE HOLDER WITHOUT COVER	DELTA	IAO20151	CHROME	
TA-2	WELDED-FRAME MIRROR	BOBRICK OR EQ	B-290	SATIN STAINLESS STEEL	
TA-3	LILAH ROBE HOOK	DELTA	IAO20136	CHROME	
TA-4	DELTA 1/2" ADA GRAB BAR, CONCEALED MOUNTING (18", 24)	DELTA	40118-PS/40124-SS	STAINLESS	
TA-5	LILAH TOWEL RING	DELTA	IAO20146	CHROME	
TA-6	DELTA SHOWER ROD WITH BRACKETS	DELTA	42205-SS	BRUSHED STAINLESS STEEL	
TA-7	LILAH 18" DOUBLE TOWEL BAR	DELTA	IAO20126	SATIN STAINLESS STEEL	
TA-8	SHOWER CURTAIN HOOK	AMERICAN SPECIALTIES OR EQ	1200-SHU	STAINLESS STEEL	
TA-9	SHOWER CURTAIN, 72"H	AMERICAN SPECIALTIES OR EQ	1200-XX	MATTE WHITE	
TA-10	FOLDING SHOWER SEAT	BOBRICK OR EQ	B-5191	IVORY	

### ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
102	STUDENT HOUSE	LVT-1	WB-1	PT-1A	ACT-1	
102	STUDENT KITCHEN	LVT-2	WB-1	PT-1A, TL-1	PT-1A	
102A	CLOSET	LVT-1	WB-1	PT-1A	PT-1A	
102B	LAUNDRY	LVT-1	WB-1	PT-1A	PT-1A	
102C	HALF BTHRM	TL-2	WB-1	TL-1	PT-1B	
103	MASTER BEDRM	CPT-1	WB-1	PT-1A	PT-1A	
103A	MASTER BTHRM	TL-2	WB-1	TL-1	PT-1B	

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### FLOOR FINISH LEGEND

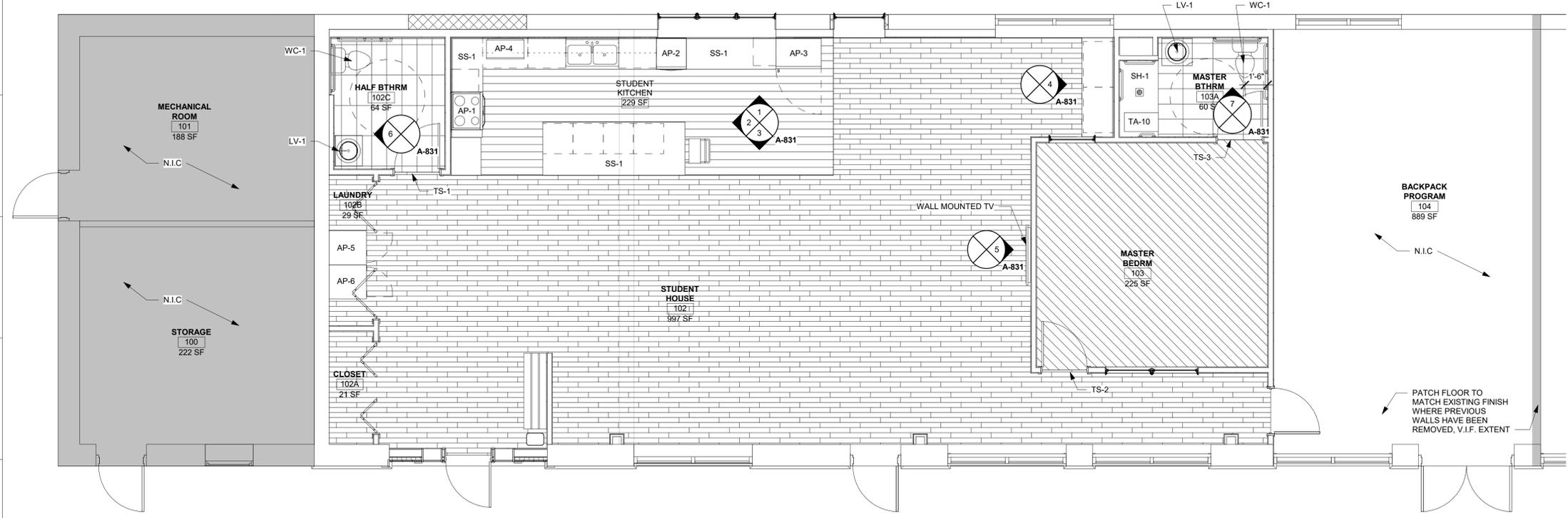
	CPT-1
	LVT-1
	LVT-2
	TL-1

**REVISIONS**

No.	Description	Date

**ISSUED:** CD SET  
**DATE:** 2/15/23  
**SCALE:** 1/4" = 1'-0"  
**SHEET NAME:**  
 INTERIOR FINISH  
 SCHEDULES / PLAN

**SHEET NUMBER:**  
A-801



**ENLARGED FINISH FLOOR PLAN**  
 1/4" = 1'-0" 1

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

ARCHITECT

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**SCALE:** As indicated

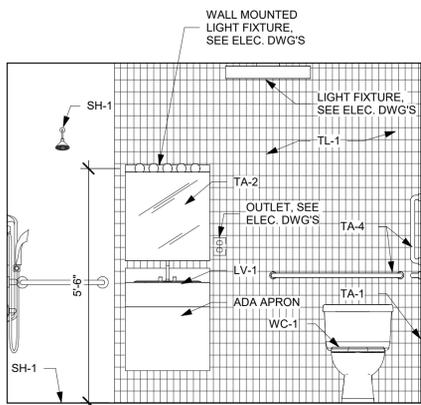
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 INTERIOR ELEVATIONS

**SHEET NUMBER:**

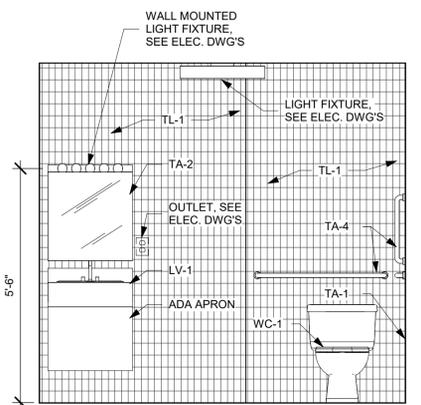
**A-831**

**INTERIOR ELEVATION NOTES**

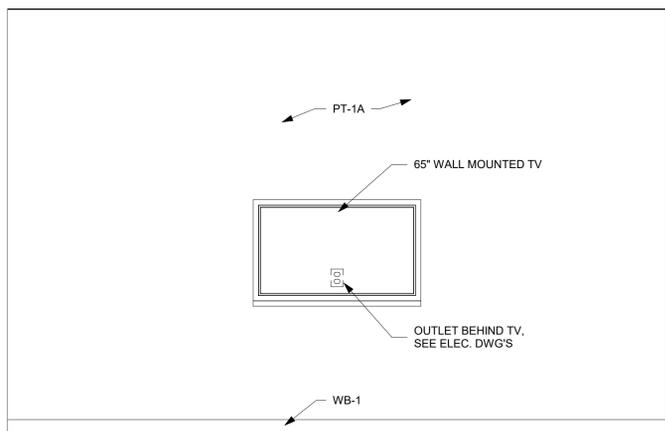
- REFER TO DWG A-801 FOR FINISH LEGEND, APPLIANCE SCHEDULE AND TOILET ACCESSORY SCHEDULE
- REFER TO DWG E-001 FOR LIGHTING FIXTURE LEGEND AND SCHEDULE
- REFER TO DWG P-001 FOR PLUMBING FIXTURE LEGEND AND SCHEDULE
- REFER TO DWG G-052 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS



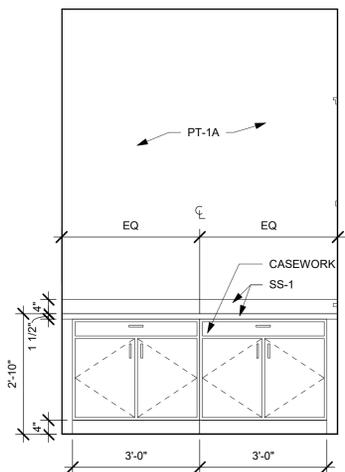
**MASTER BATHROOM**  
 1/2" = 1'-0" **7**



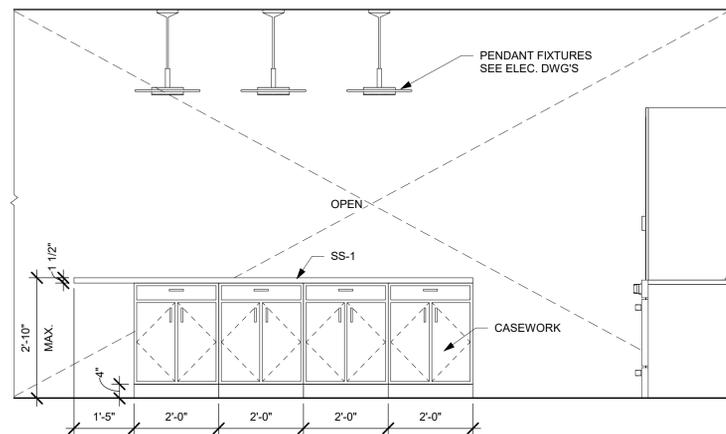
**HALF BATHROOM**  
 1/2" = 1'-0" **6**



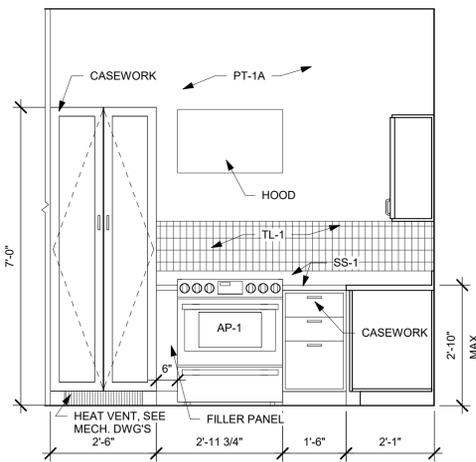
**STUDENT HOUSE TV WALL**  
 1/2" = 1'-0" **5**



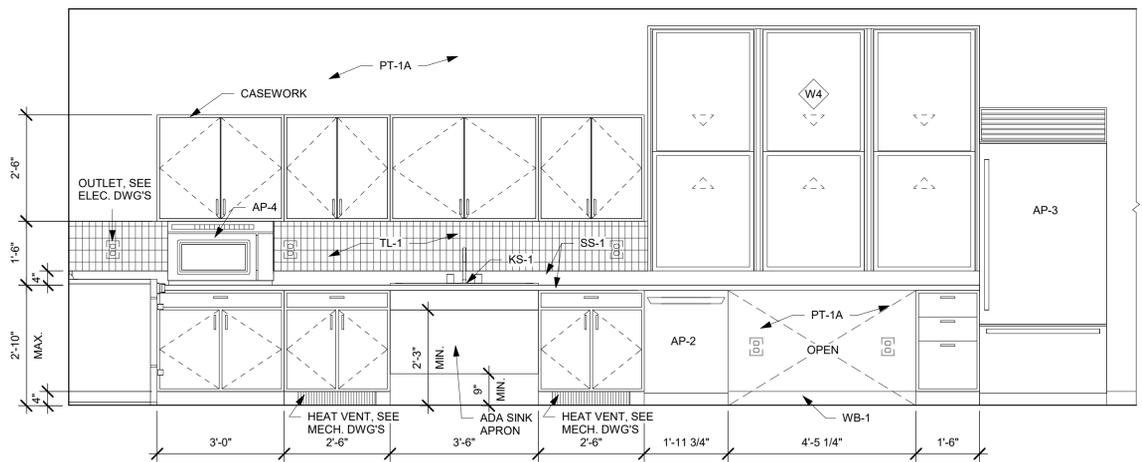
**STUDENT HOUSE NICHE**  
 1/2" = 1'-0" **4**



**KITCHEN ISLAND**  
 1/2" = 1'-0" **3**



**KITCHEN NORTH**  
 1/2" = 1'-0" **2**



**KITCHEN EAST**  
 1/2" = 1'-0" **1**

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REVISIONS

No.	Description	Date

ISSUED: CD SET  
 DATE: 2/17/23  
 SCALE: AS NOTED  
 SHEET NAME:  
 SYMBOLS, NOTES &  
 ABBREVIATIONS  
 SHEET NUMBER:

**HVAC & PLUMBING GENERAL NOTES:**

- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
- PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ALL BRANCHES AND TAKE-OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE-OFF AS PRACTICAL.
- FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
- ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
- WHERE INSTALLATION OR REMOVAL OF BELOW-SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SAW-CUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
- THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

**HVAC GENERAL NOTES:**

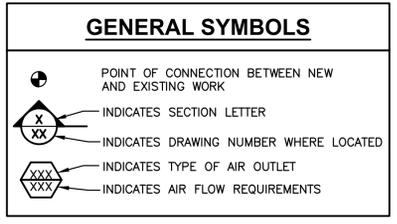
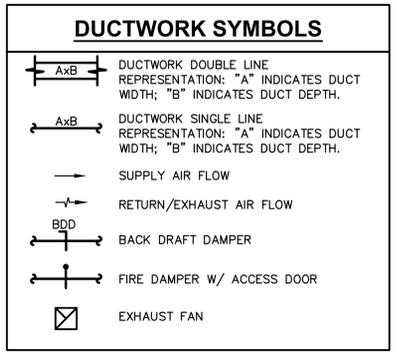
- ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ALL BRANCHES AND TAKE-OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE-OFF AS PRACTICAL.
- FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.

**HVAC DEMOLITION NOTES:**

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- REMOVE ALL EQUIPMENT, DUCTWORK AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL SUPPORTS AND HANGERS, HOUSEKEEPING PADS, DAMPERS, VALVES, FITTINGS, CONTROLS AND ASSOCIATED LOW VOLTAGE WIRING, AND ANY OTHER ASSOCIATED ACCESSORIES WHICH PERTAIN TO THE EQUIPMENT TO BE REMOVED.
- REMOVAL OF ALL POWER CONNECTIONS TO DEMOLITION ITEMS SHALL BE BY THE E.C.
- ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

**ENERGY CODE STATEMENT:**  
 TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

**UNIFORM CODE STATEMENT:**  
 TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.



**ABBREVIATIONS**

ACT	ACOUSTIC CEILING TILE	HRP	HYDRONIC RADIANT CEILING PANEL
AD	ACCESS DOOR	HV	HEATING AND VENTILATING UNIT
AFF	ABOVE FINISHED FLOOR	HW	DOMESTIC HOT WATER PIPE (120°F)
AFM	AIR FLOW MEASURING DEVICE	HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
AP	ACCESS PANEL	IV	INLET VANES
BDD	BACK DRAFT DAMPER	LCD	LINEAR CEILING DIFFUSER
BTU/H	BRITISH THERMAL UNITS/HOUR	LF	LINEAR FEET
CC	COOLING COIL	LP	LP GAS PIPING
CFM	CUBIC FEET PER MINUTE	LPR	LOW PRESSURE STEAM CONDENSATE
CG	CEILING GRILLE	LPS	LOW PRESSURE STEAM
CLG	CEILING	LBS/HR	POUNDS PER HOUR
CO	CLEAN OUT	MER	MECHANICAL EQUIPMENT ROOM
CR	CEILING REGISTER	MAX.	MAXIMUM
CW	DOMESTIC COLD WATER	MBH	ONE THOUSAND BTU/H
D	DRAIN	MIN.	MINIMUM
Db	DRY BULB TEMPERATURE, °F	NOM.	NOMINAL
dB	DECIBELS	OA	OUTSIDE AIR
DIA	DIAMETER	P	PUMP
DN	DOWN	P.C.	PLUMBING CONTRACTOR
DP	DIFFERENTIAL PRESSURE	PD	PRESSURE DROP (FEET OF WATER)
Dp	DEW POINT TEMPERATURE, °F	PRV	PRESSURE REDUCING VALVE
DS	DUCT SMOKE DETECTOR	PSI	POUNDS PER SQUARE IN.
DX	DIRECT EXPANSION	RHC	REHEAT COIL
EA	EXHAUST AIR	Rh	RELATIVE HUMIDITY
E.C.	ELECTRICAL CONTRACTOR	RPZ	REDUCED PRESSURE ZONE
ECC	ENGINEERING CONTROL CENTER	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SAN	SANITARY DRAINAGE PIPE
EF	EXHAUST FAN	SD	SMOKE DAMPER
EMD	END OF MAIN DRIP (STEAM)	SP	STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER	SPD	SPLITTER DAMPER
EXIST	EXISTING	S.S.	STAINLESS STEEL
F.A.I.	FRESH AIR INTAKE	ST	STORM DRAINAGE PIPE
FC	FLEXIBLE CONNECTION	TWU	THRU WALL UNIT
FCO	FLOOR CLEAN OUT	U.N.O.	UNLESS NOTED OTHERWISE
FD	FLOOR DRAIN	UV	UNIT VENTILATOR
FLR	FLOOR	V	VENT PIPE
FPC	FIRE PROTECTION CONTRACTOR	VE	VOLUME EXTRACTOR
F/SD	COMBINATION FIRE/SMOKE DAMPER	VI	VIBRATION ISOLATOR
G.C.	GENERAL CONTRACTOR	VIF	VERIFY IN FIELD
GPH	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	Wb	WET BULB TEMPERATURE, °F
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE	WCO	WALL CLEAN OUT
H.C.	HVAC CONTRACTOR	WFM	WATER FLOW MEASURING DEVICE
HF	HEPA FILTER	WH	WATER HEATER
HP	HORSEPOWER	WMS	WIRE MESH SCREEN

**EXHAUST FAN SCHEDULE**

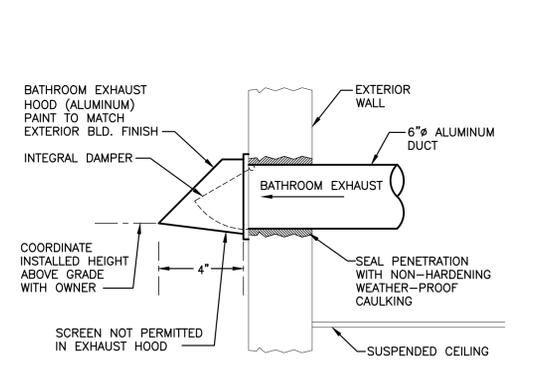
UNIT NO.	SERVICE	LOCATION	CFM	E.S.P(IN.)	DRIVE	FAN RPM	MOTOR WATTS	VOLT/PH	MODEL	REMARKS
EF-1	BATHROOMS	CEILING MOUNTED	80	0.3	DIRECT	820	18.1	115/1Ø	SP-AP0511W	SEE NOTES

NOTES:  
 1. PROVIDE ALL FANS WITH THERMAL OVERLOAD PROTECTION.  
 2. PROVIDE BACKDRAFT DAMPERS.

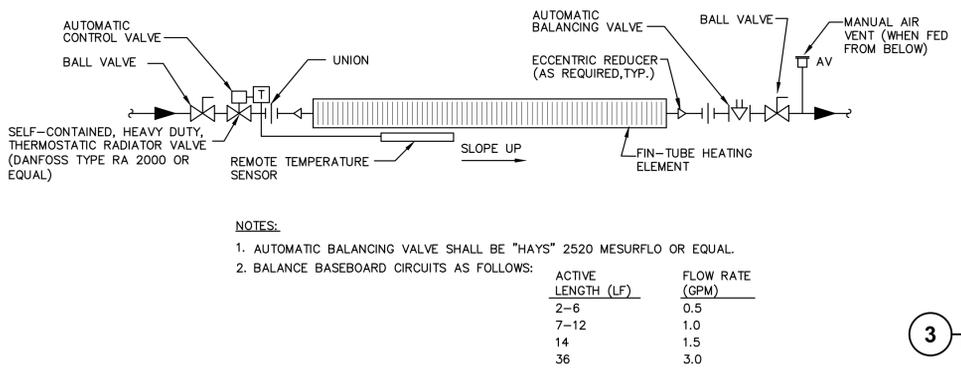
**LOUVER SCHEDULE**

TAG	APPLICATION	NOMINAL SIZE(IN)	FREE AREA (SF)	CFM	MATERIAL/BLADE/FRAME	DRAINABLE	MODEL	REMARKS
L-1	EXHAUST	14" X 12"	0.2	80-100	ALUMINUM	YES	GREENHECK "WC-6"	SEE NOTES

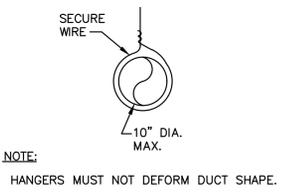
NOTES:  
 1. PROVIDE ALL LOUVERS POWDER COATING COLOR TO MATCH BUILDING EXTERIOR. COORDINATE WITH ARCHITECT.  
 2. PROVIDE ALL LOUVERS WITH BIRD SCREEN.



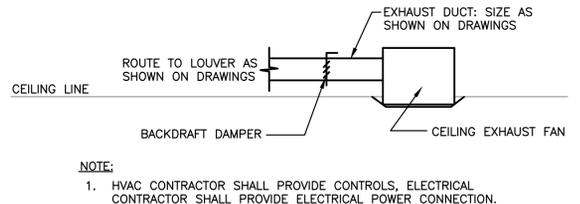
**1 BATHROOM EXHAUST HOOD DETAIL**  
 N.T.S.



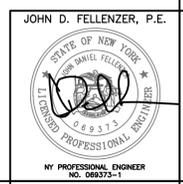
**2 BASEBOARD RADIATION PIPING SCHEMATIC**  
 N.T.S.



**3 ROUND DUCT HANGING DETAIL**  
 N.T.S.



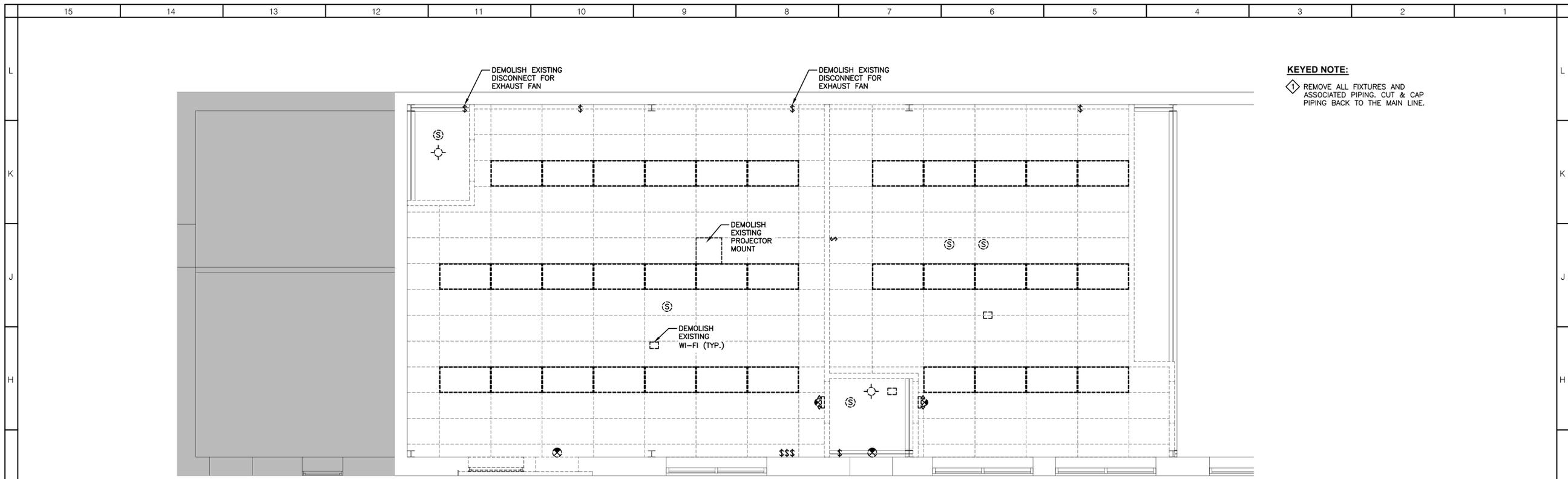
**4 EXHAUST FAN DETAIL**  
 N.T.S.





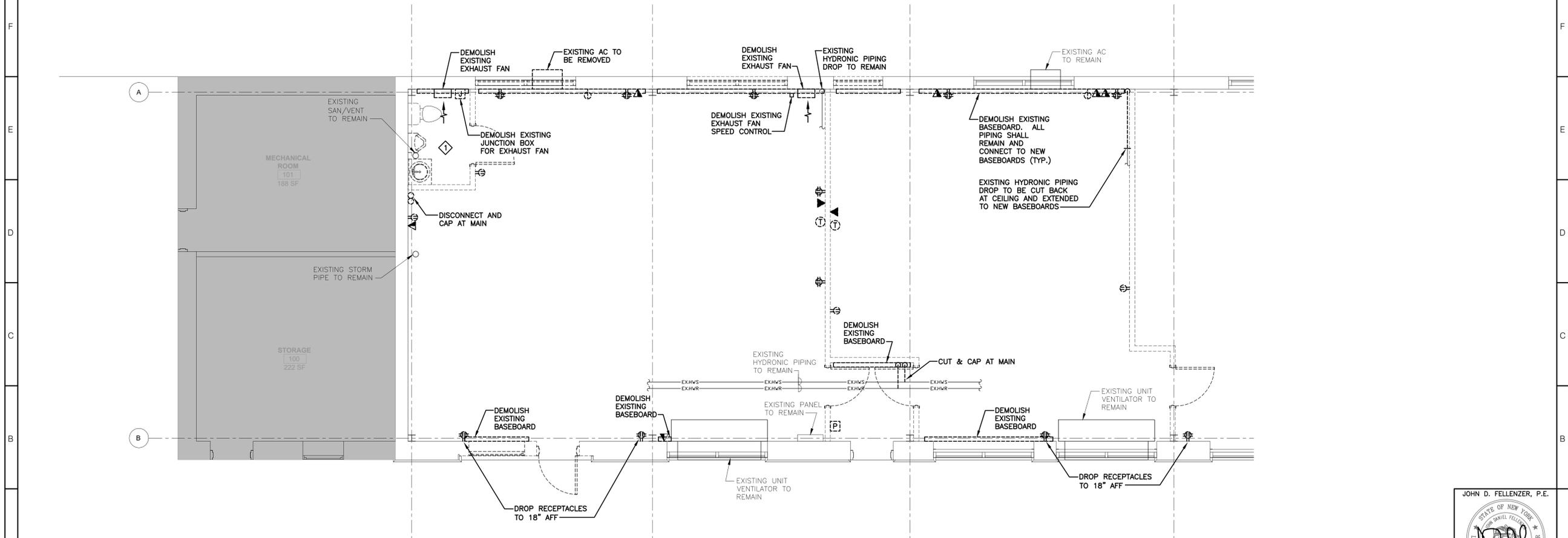






**2 LEVEL 1 DEMOLITION RCP PLAN**  
SCALE: 1/4"=1'-0"

**KEYED NOTE:**  
 1 REMOVE ALL FIXTURES AND ASSOCIATED PIPING. CUT & CAP PIPING BACK TO THE MAIN LINE.



**1 LEVEL 1 DEMOLITION POWER FLOOR PLAN**  
SCALE: 1/4"=1'-0"

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 FE#23-029

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**Environmental Engineer**  
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 www.consultantwebsite.com



**Building #6**  
**Life Skills**  
**Alteration**

65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-00-0-006-004

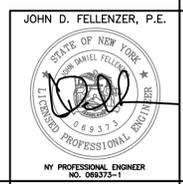
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: CD SET  
 DATE: 2/17/23  
 SCALE: AS NOTED  
 SHEET NAME:  
 LEVEL 1 DEMOLITION  
 POWER FLOOR  
 PLAN/RCP  
 SHEET NUMBER:



**MEPD-101**

**Building #6  
 Life Skills  
 Alteration**

65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-00-0-006-004

**KEY PLAN**



**REVISIONS**

No.	Description	Date

**ISSUED:** CD SET

**DATE:** 2/17/23

**SCALE:** AS NOTED

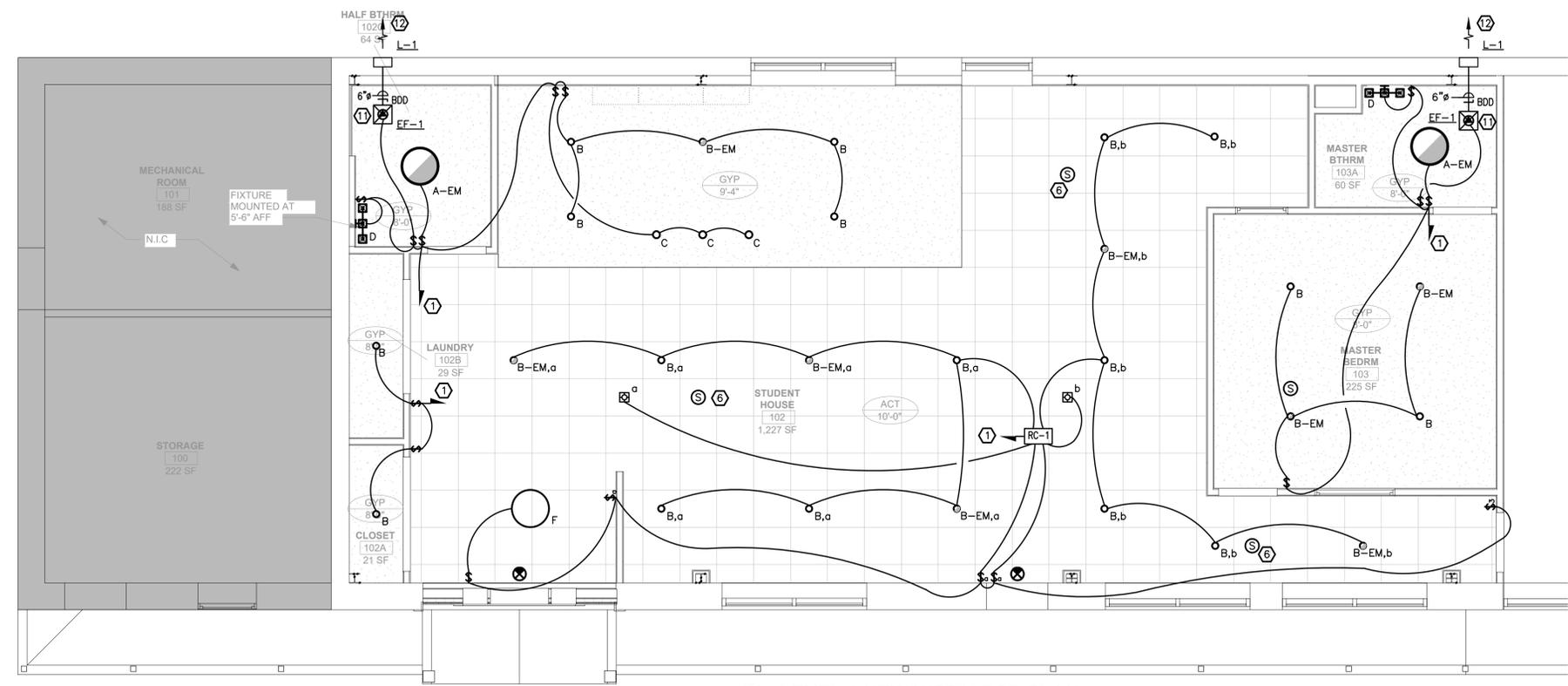
**SHEET NAME:**  
 LEVEL 1 NEW WORK  
 POWER FLOOR  
 PLAN/RCP

**SHEET NUMBER:**

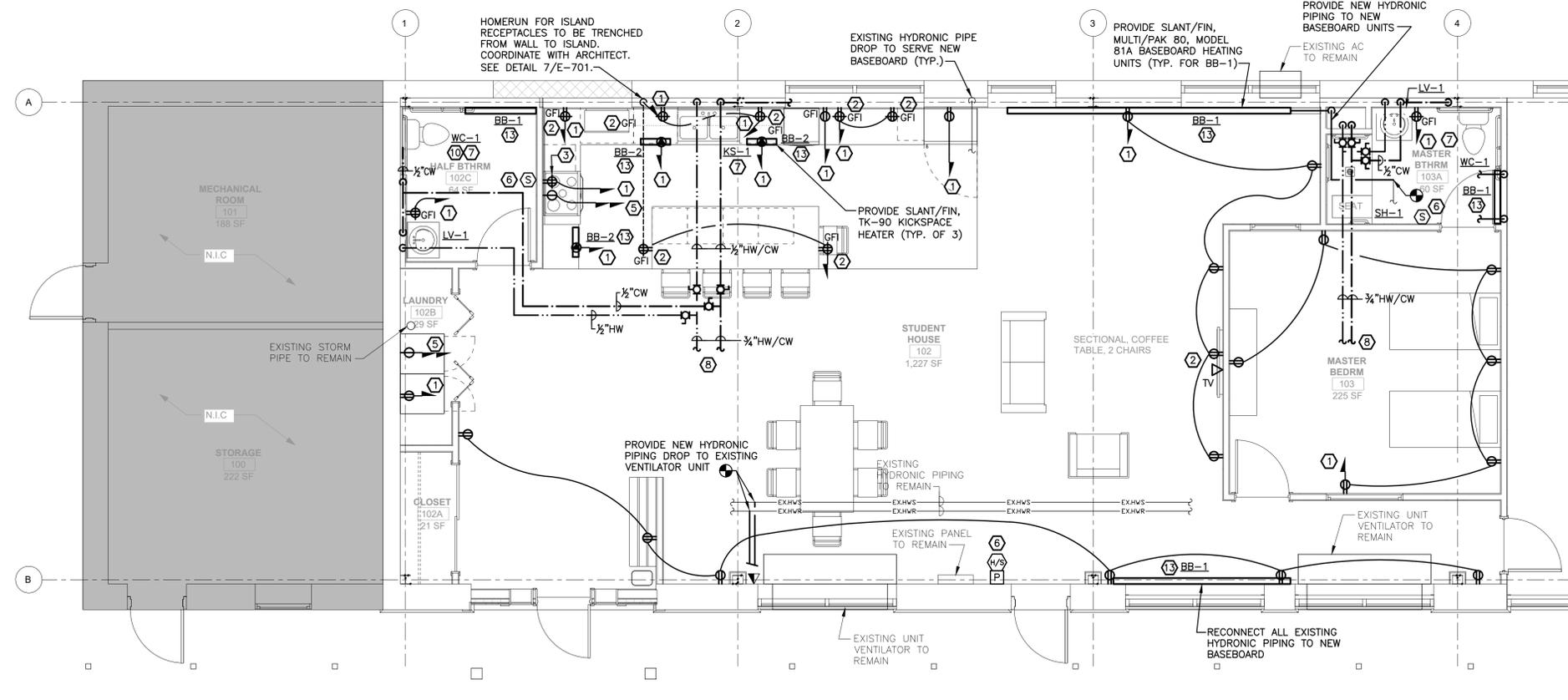
**MEP-101**

**KEYED NOTES:**

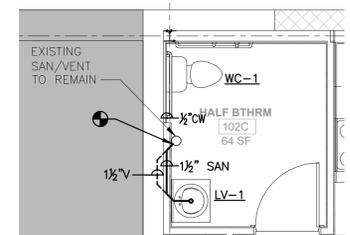
- ① UTILIZE AVAILABLE 1P, 20 AMP BREAKER WITH (2)#12, (1)#12 GND. IN 3/4" CONDUIT MADE AVAILABLE FROM DEMOLITION OR LABELED AS SPARE IN EXISTING PANEL.
- ② COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
- ③ PROVIDE DESIGNATED RECEPTACLE FOR MICROWAVE/HOOD COMBO. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
- ④ NOT USED.
- ⑤ PROVIDE DEDICATED 2 POLE CIRCUIT TO FEED NEW EQUIPMENT. COORDINATE CIRCUIT BREAKER AND WIRING SIZE WITH MANUFACTURER DOCUMENTS.
- ⑥ PROVIDE NEW HORN/STROBE, STROBE, SMOKE DETECTORS AND PULL STATIONS WITH WIRING RESPECTIVELY INTO EXISTING FIRE ALARM SYSTEM. NEW FIRE ALARM EQUIPMENT TO MATCH EXISTING MAKE AND MODEL. COORDINATE ALL WORK WITH FIRE ALARM MAINTENANCE CONTRACTOR TO MAKE CONNECTIONS AND EXTENSIONS TO EXISTING NOTIFICATION APPLIANCE CIRCUITS AND INDICATION APPLIANCE CIRCUITS.
- ⑦ REFERENCE P-001 FOR ALL FIXTURE SELECTIONS.
- ⑧ EXTEND & CONNECT NEW COLD AND HOT WATER LINES TO THE EXISTING COLD AND HOT WATER LINES. V.I.F. LOCATION OF EXISTING COLD AND HOT WATER LINES.
- ⑨ ROUTE NEW SAN LINE TO THE EXISTING 6" SAN LINE. V.I.F.
- ⑩ RECONNECT WC-1 TO EXISTING SANITARY LINE AND VENT LINE.
- ⑪ PROVIDE CEILING EXHAUST FAN EF-1. REFERENCE "EXHAUST FAN SCHEDULE" ON H-001 FOR SELECTION.
- ⑫ PROVIDE EXHAUST LOUVER L-1. REFERENCE "LOUVER SCHEDULE" ON H-001 FOR SELECTION. REUSE EXISTING PENETRATION IF APPLICABLE.
- ⑬ PROVIDE NEW HYDRONIC BASEBOARDS. EXTEND/RECONNECT HYDRONIC PIPING ALONG WALL TO NEW BASEBOARD AS REQUIRED.



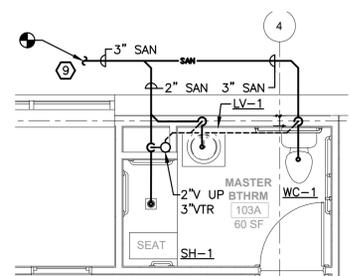
**2 LEVEL 1 NEW WORK RCP PLAN**  
 SCALE: 1/4"=1'-0"



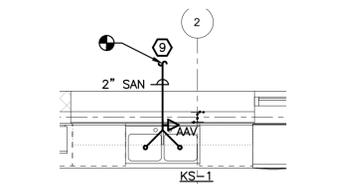
**1 LEVEL 1 NEW WORK POWER FLOOR PLAN**  
 SCALE: 1/4"=1'-0"



**3 BATH 102C SANITARY**  
 SCALE: 1/4"=1'-0"

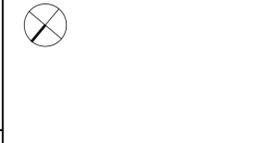


**4 BATH 103A SANITARY**  
 SCALE: 1/4"=1'-0"



**4 KITCHEN SANITARY**  
 SCALE: 1/4"=1'-0"

JOHN D. FELLENER, P.E.  
  
 NY PROFESSIONAL ENGINEER  
 NO. 068373-1



REVISIONS

No.	Description	Date

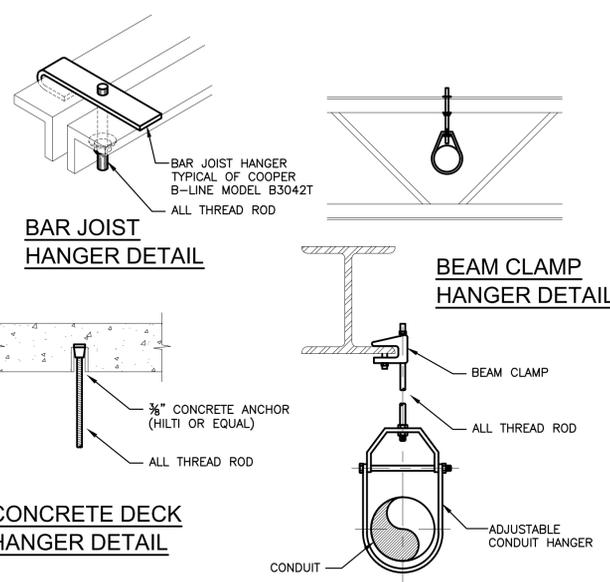
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 DATE: 2/17/23

SCALE: AS NOTED

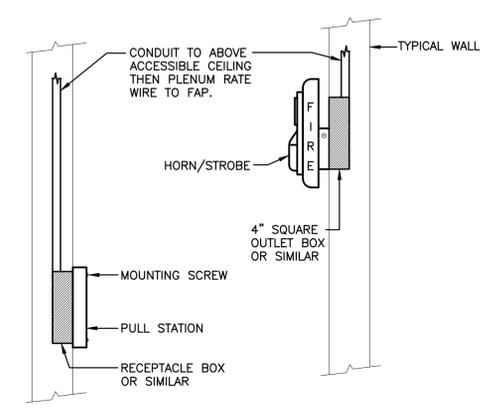
SHEET NAME:  
 SCHEDULES & DETAILS

SHEET NUMBER:

JOHN D. FELLENER, P.E.  
  
 NY PROFESSIONAL ENGINEER  
 NO. 068373-1

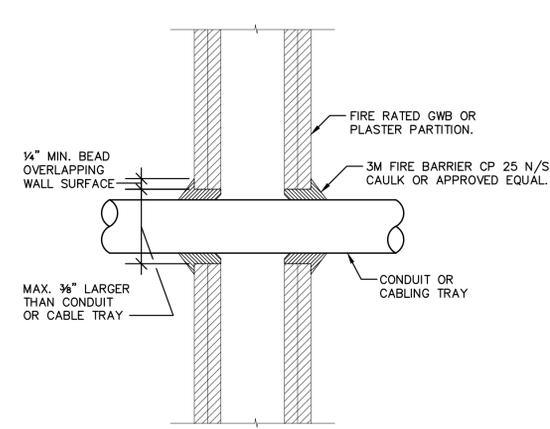


**4 TYPICAL CONDUIT HANGER DETAIL**  
 N.T.S.

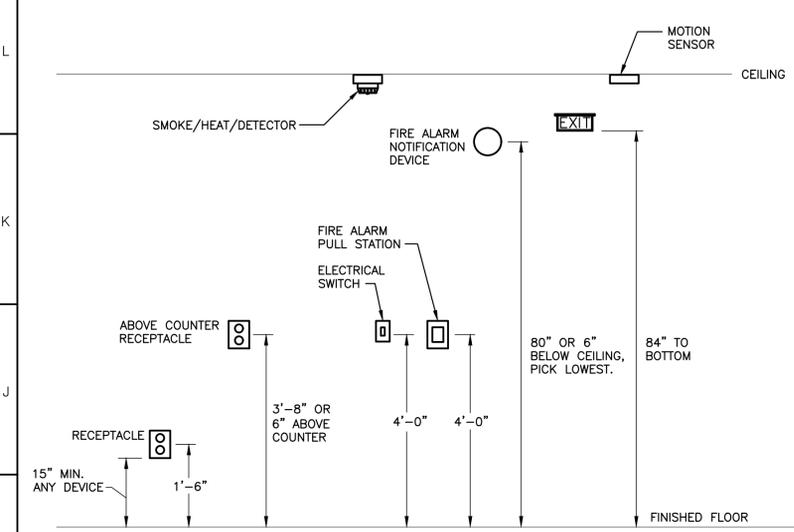


NOTES:  
 1. FOR SURFACE MOUNT INSTALLATIONS, INSTALL WIREMOLD & WIREMOLD RECEPTACLE BOX ONLY AT THE DISCRETION OF THE OWNER.  
 2. THIS DETAIL PERTAINS TO NEW CONSTRUCTION ONLY. WHEN NEW DEVICES ARE BEING INSTALLED WHERE JUNCTION BOXES EXIST ALREADY, UTILIZE THE JUNCTION BOX.

**3 TYPICAL PULL STATION & HORN STROBE DETAIL**  
 N.T.S.

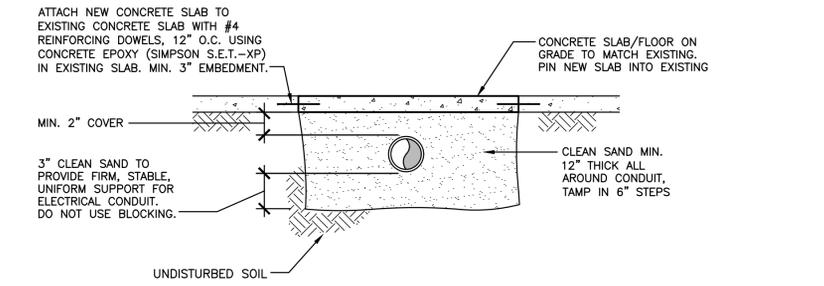


**2 CONDUIT PENETRATION IN FIRE RATED GWB OR PLASTER PARTITION**  
 N.T.S.



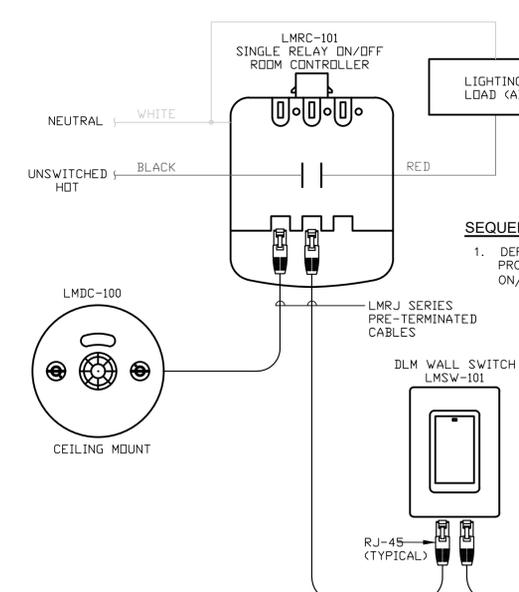
IN GENERAL, UNLESS NOTED OTHERWISE, THE FOLLOWING MOUNTING DIMENSIONS ABOVE FINISHED FLOOR SHALL BE ADHERED TO:  
 -RECEPTACLES - 1'-6"  
 -LIGHTING SWITCHES AND MANUAL MOTOR STARTER - 4'-0"  
 -MOTION SENSORS - 8'-0"

**1 MOUNTING HEIGHTS OF ELECTRICAL DEVICES**  
 N.T.S.



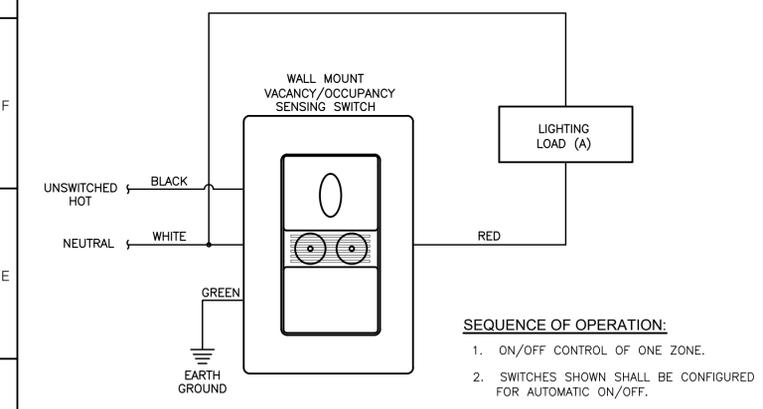
NOTE:  
 1. E.C. TO INSTALL CONDUIT, G.C. TO REPLACE SLAB. COORDINATE IN FIELD.

**7 TYPICAL ELECTRICAL SAW CUTTING DETAIL**  
 N.T.S.



SEQUENCE OF OPERATION:  
 1. DEFAULT OPERATION PROGRAMMED TO MANUAL ON/AUTOMATIC OFF.

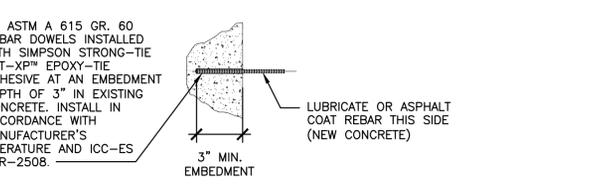
**6 TYPICAL SINGLE ZONE SWITCHING ROOM CONTROLLER**  
 N.T.S.



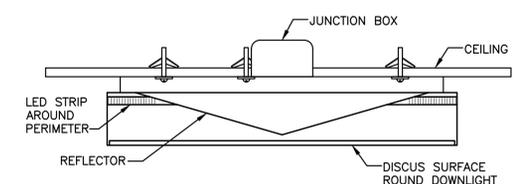
SEQUENCE OF OPERATION:  
 1. ON/OFF CONTROL OF ONE ZONE.  
 2. SWITCHES SHOWN SHALL BE CONFIGURED FOR AUTOMATIC ON/OFF.

GENERAL NOTES:  
 1. BASIS OF DESIGN: WATTSTOPPER: DSW-301

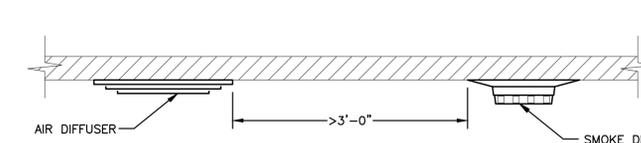
**5 TYPICAL WALL MOUNT VACANCY/OCCUPANCY SENSOR**  
 N.T.S.



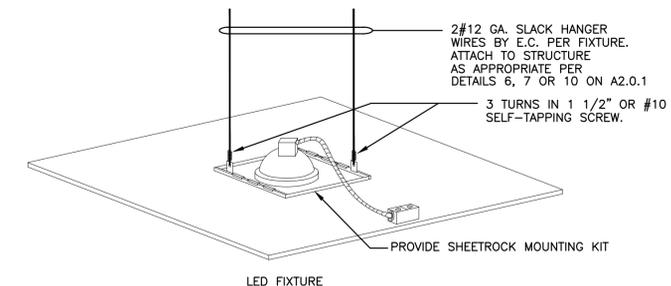
**8 DOWEL INSTALLATION DETAIL**  
 N.T.S.



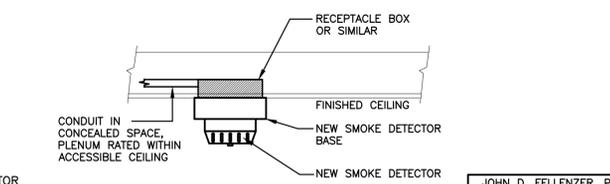
**10 SURFACE FIXTURE MOUNTING DETAIL**  
 N.T.S.



**11 SMOKE DETECTOR / AIR DIFFUSER MINIMUM DISTANCE**  
 N.T.S.



**9 RECESSED FIXTURE MOUNTING DETAIL**  
 N.T.S.



**12 TYPICAL SMOKE DETECTOR DETAIL**  
 N.T.S.

**PLUMBING GENERAL NOTES:**

- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EPDM OR EPDM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
- ALL DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
- WHERE INSTALLATION OR REMOVAL OF BELOW-SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SAW-CUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
- THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

**PLUMBING DEMOLITION NOTES:**

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- REMOVE ALL EQUIPMENT AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL FITTINGS, SUPPORTS AND HANGERS.
- ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT OR PIPING FOR CONNECTION TO NEW WORK. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

- ALL AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE (EXCEPT THOSE IN KITCHEN) SHALL BE SET @ 100°F.
- DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED BELOW THE FLOOR SHOWN (BELOW SLAB OR ABOVE CEILING OF LOWER FLOOR AS APPROPRIATE) UNLESS OTHERWISE NOTED.
- ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
- INSTALL SECTIONALIZING VALVES AT ALL MAIN 'T' ON DOMESTIC HOT & COLD WATER SERVICE.
- VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
- WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3".
- ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS ALL ADA AND ANSI-A-117.1 REQUIREMENTS.
- INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"-INCH THICK FOR ALL PIPE SIZES FOR THE COLD WATER PIPING.
- HOT WATER PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
- UNLESS OTHERWISE NOTED, ALL VALVES 2" & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT DESIGN.
- PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING BEDDING AND BACK FILLING AS PER SPECIFICATIONS. ALL TRENCH WORK TO BE COORDINATED WITH THE GENERAL CONSTRUCTION CONTRACTOR.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

**VALVE SYMBOLS**

	GATE VALVE - THREADED/FLANGED
	GLOBE VALVE - THREADED/FLANGED
	CHECK VALVE
	STRAINER
	WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
	STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR
	FLEXIBLE CONNECTION
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE

**PIPING SYMBOLS**

	PIPE DOWN TURN
	PIPE RISE

**GENERAL SYMBOLS**

	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	INDICATES SECTION LETTER
	INDICATES DRAWING NUMBER WHERE LOCATED
	INDICATES TYPE OF AIR OUTLET
	INDICATES AIR FLOW REQUIREMENTS

**PLUMBING LINE TYPES**

	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	COLD WATER SUPPLY
	HOT WATER SUPPLY
	SANITARY LINE
	VENT PIPE

**ABBREVIATIONS**

AAV	AIR ADMITTANCE VALVE	HRP	HYDRONIC RADIANT CEILING PANEL
ACT	ACOUSTIC CEILING TILE	HV	HEATING AND VENTILATING UNIT
AD	ACCESS DOOR	HW	DOMESTIC HOT WATER PIPE (120°F)
AF	ABOVE FINISHED FLOOR	HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
AFM	AIR FLOW MEASURING DEVICE	IV	INLET VANES
AP	ACCESS PANEL	LCD	LINEAR CEILING DIFFUSER
BDD	BACK DRAFT DAMPER	LF	LINEAR FEET
BTUH	BRITISH THERMAL UNITS/HOUR	LPG	LP GAS PIPING
CC	COOLING COIL	LPR	LOW PRESSURE STEAM CONDENSATE
CFM	CUBIC FEET PER MINUTE	LPS	LOW PRESSURE STEAM
CG	CEILING GRILLE	LBS/HR	POUNDS PER HOUR
CLG	CEILING	MER	MECHANICAL EQUIPMENT ROOM
CO	CLEAN OUT	MAX.	MAXIMUM
CR	CEILING REGISTER	MBH	ONE THOUSAND BTUH
CW	DOMESTIC COLD WATER	MIN.	MINIMUM
D	DRAIN	NOM.	NOMINAL
Db	DRY BULB TEMPERATURE, °F	OA	OUTSIDE AIR
dB	DECIBELS	P	PUMP
DIA	DIAMETER	P.C.	PLUMBING CONTRACTOR
DN	DOWN	PD	PRESSURE DROP (FEET OF WATER)
DP	DIFFERENTIAL PRESSURE	PRV	PRESSURE REDUCING VALVE
Dp	DEW POINT TEMPERATURE, °F	PSI	POUNDS PER SQUARE IN.
DS	DUCT SMOKE DETECTOR	RHC	REHEAT COIL
DX	DIRECT EXPANSION	Rh	RELATIVE HUMIDITY
EA	EXHAUST AIR	RPZ	REDUCED PRESSURE ZONE
E.C.	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
ECC	ENGINEERING CONTROL CENTER	SAN	SANITARY DRAINAGE PIPE
EER	ENERGY EFFICIENCY RATIO	SD	SMOKE DAMPER
EF	EXHAUST FAN	SP	STATIC PRESSURE
EMD	END OF MAIN DRIP (STEAM)	SPD	SPLITTER DAMPER
EUH	ELECTRIC UNIT HEATER	S.S.	STAINLESS STEEL
EXIST	EXISTING	ST	STORM DRAINAGE PIPE
F.A.I.	FRESH AIR INTAKE	TWU	THRU WALL UNIT
FC	FLEXIBLE CONNECTION	U.N.O.	UNLESS NOTED OTHERWISE
FCO	FLOOR CLEAN OUT	UV	UNIT VENTILATOR
FD	FLOOR DRAIN	V	VENT PIPE
FLR	FLOOR	VE	VOLUME EXTRACTOR
FPC	FIRE PROTECTION CONTRACTOR	VI	VIBRATION ISOLATOR
F/SD	COMBINATION FIRE/SMOKE DAMPER	VIF	VERIFY IN FIELD
G.C.	GENERAL CONTRACTOR	VTR	VENT THROUGH ROOF
GPH	GALLONS PER HOUR	Wb	WET BULB TEMPERATURE, °F
GPM	GALLONS PER MINUTE	WCO	WALL CLEAN OUT
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE	WFM	WATER FLOW MEASURING DEVICE
H.C.	HVAC CONTRACTOR	WH	WATER HEATER
HF	HEPA FILTER	WMS	WIRE MESH SCREEN
HP	HORSEPOWER		

**2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS**  
**TABLE C403.11.3**  
**MINIMUM PIPE INSULATION THICKNESS (IN INCHES)<sup>a,c</sup>**

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)					
	CONDUCTIVITY (BTUxIN)/(HxFT²x°F) <sup>b</sup>	MEAN RATING TEMPERATURE °F	<1"	1 TO <1½"	1½" TO <4"	4" TO <8"	8"	
> 350	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0	
251-350	0.29-0.32	200	3.0	4.0	4.5	4.5	4.5	
201-250	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0	
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0	
105-140	0.21-0.28	100	1.0	1.0	1.5	1.5	1.5	
40-60	0.21-0.27	75	0.5	0.5	1.0	1.0	1.0	
< 40	0.20-0.26	50	0.5	1.0	1.0	1.0	1.5	

FOR Sl: 1" = 25.4mm, °C = [(°F)-32]/1.8  
 a. FOR PIPING SMALLER THAN 1½" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1" SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO A THICKNESS LESS THAN 1".  
 b. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS:  

$$T = r[(1+t/R)^k - 1]$$
  
 WHERE:  
 T = MINIMUM INSULATION THICKNESS  
 r = ACTUAL OUTSIDE RADIUS OF PIPE  
 t = INSULATION THICKNESS LISTED IN THE TABLE APPLICABLE FLUID TEMPERATURE AND PIPE SIZE  
 k = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID TEMPERATURE [(BTUxIN)/(HxFT²x°F)]  
 k = THE UPPER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE  
 c. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1½" (38mm) SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO THICKNESSES LESS THAN 1".

**LEGEND AND SCHEDULE OF PLUMBING EQUIPMENT**

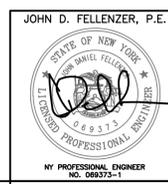
SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
	AMERICAN STANDARD	211BA.104	"CHAMPION PRO", VITREOUS CHINA, FLUSH TANK, 1.28 GPF, EVERCLEAN SURFACE PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
	AMERICAN STANDARD	9024.004EC	"DECORUM" WALL MOUNTED EVERCLEAN SINK WITH 4" CENTERS. PROVIDE WITH "PORTSMOUTH" 7415.201 FAUCET. PROVIDE ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
	FREEDOM SHOWERS	APF60308FPANC	60" X 31" ADA ROLL-IN SHOWER BASE WITH CENTER DRAIN. COORDINATE WITH ARCHITECT FOR SHOWER TRIM. PROVIDE WITH DELTA SHOWER FAUCET MODEL 75613. PROVIDE ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
	KOHLER	K-5267-1	"Verse", 33" X 22" STAINLESS STEEL, DROP IN SINK, 9" DEEP BOWL, 4" CENTER FAUCET HOLE. PROVIDE WITH "SIMPLICE" K-596 FAUCET. PROVIDE ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.

**SCHEDULE OF EQUIPMENT SERVICE PROVISIONS**

FIXTURE DESIGNATION	DRAIN	VENT	WATER SUPPLY	
			CW	HW
WC-1	3"	1½"	½"	--
LV-1	1½"	1½"	½"	½"
KS-1	1½"	1½"	½"	½"
SH-1	2"	1½"	½"	½"

**ENERGY CODE STATEMENT:**  
 TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

**UNIFORM CODE STATEMENT:**  
 TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.



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**Building #6**  
**Life Skills**  
**Alteration**

65 Parrot Road  
 West Nyack, NY 10994

SED# 50-90-00-00-006-004

KEY PLAN



**REVISIONS**

No.	Description	Date

ISSUED: CD SET

DATE: 2/17/23

SCALE: AS NOTED

SHEET NAME:  
 SYMBOLS, NOTES &  
 ABBREVIATIONS

SHEET NUMBER:

P-001



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 West Nyack, NY 10994

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KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: CD SET

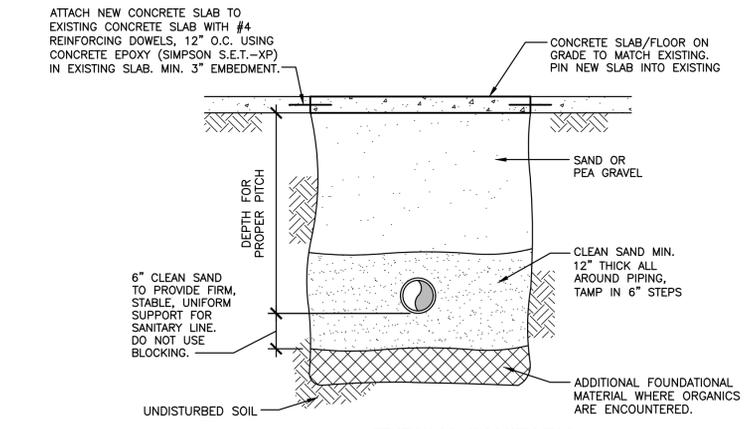
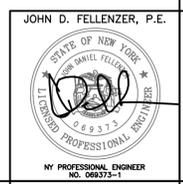
DATE: 2/17/23

SCALE: AS NOTED

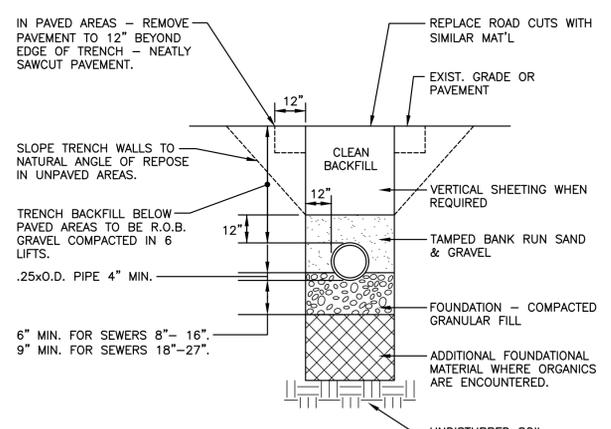
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 SCHEDULES & DETAILS

SHEET NUMBER:

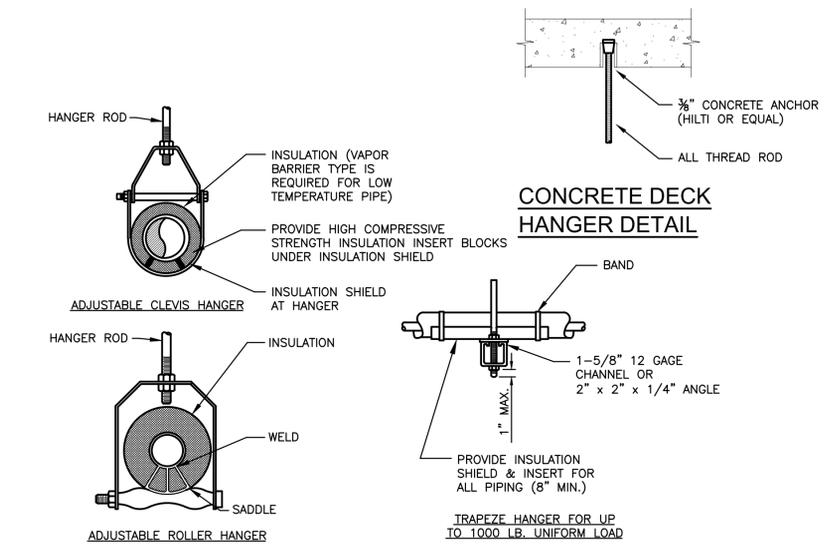
**P-701**



**1 TYPICAL SANITARY LINE BELOW SLAB DETAIL**  
 N.T.S.



**2 TYPICAL TRENCH - SEWER LINE**  
 N.T.S.

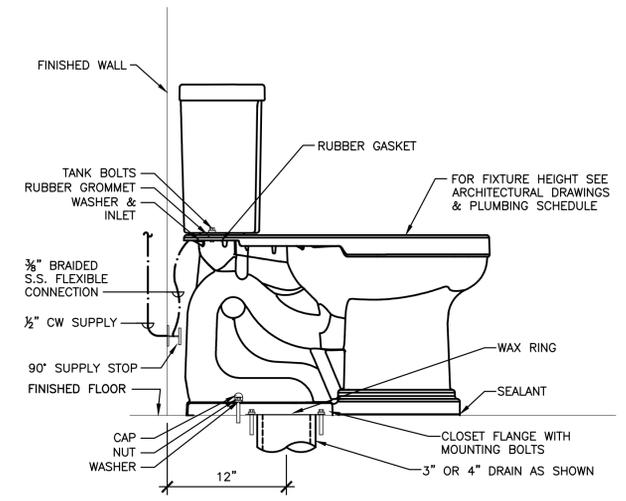


**INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE**

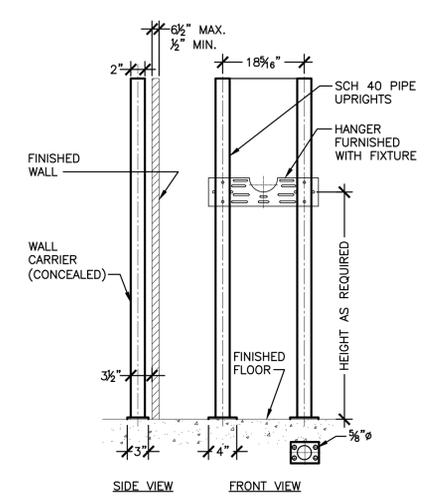
NOMINAL PIPE DIAMETER (IN.)	3/4	1	1 1/2	2	2 1/2	3	4	5	6	-
HANGER ROD SIZE (IN.)	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8	7/8	-
MAXIMUM SUPPORT SPACING (FT.)										
STEEL PIPE	6	7	9	10	11	12	14	16	17	-
COPPER TUBE	6	6	8	9	10	10	12	14	14	-

NOTE: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE. TRAPEZE SHALL BE DESIGNED WITH A FACTOR OF SAFETY OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD

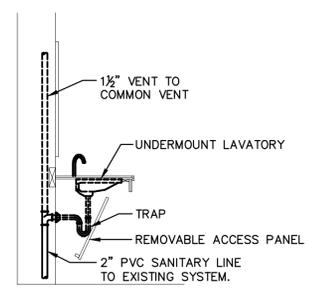
**3 TYPICAL PIPE HANGERS**  
 N.T.S.



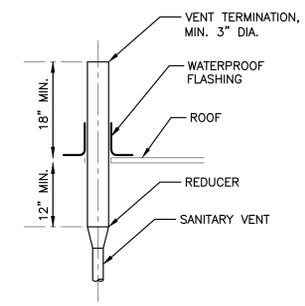
**4 FLOOR MOUNTED FLUSH TANK - TYPICAL**  
 N.T.S.  
 NOTE:  
 INSTALL PER MANUFACTURER'S REQUIREMENTS



**5 LAVATORY WALL CARRIER DETAIL**  
 N.T.S.



**6 SINK DRAINAGE / VENT DETAIL**  
 N.T.S.



**7 SANITARY VENT TERMINATION**  
 N.T.S.