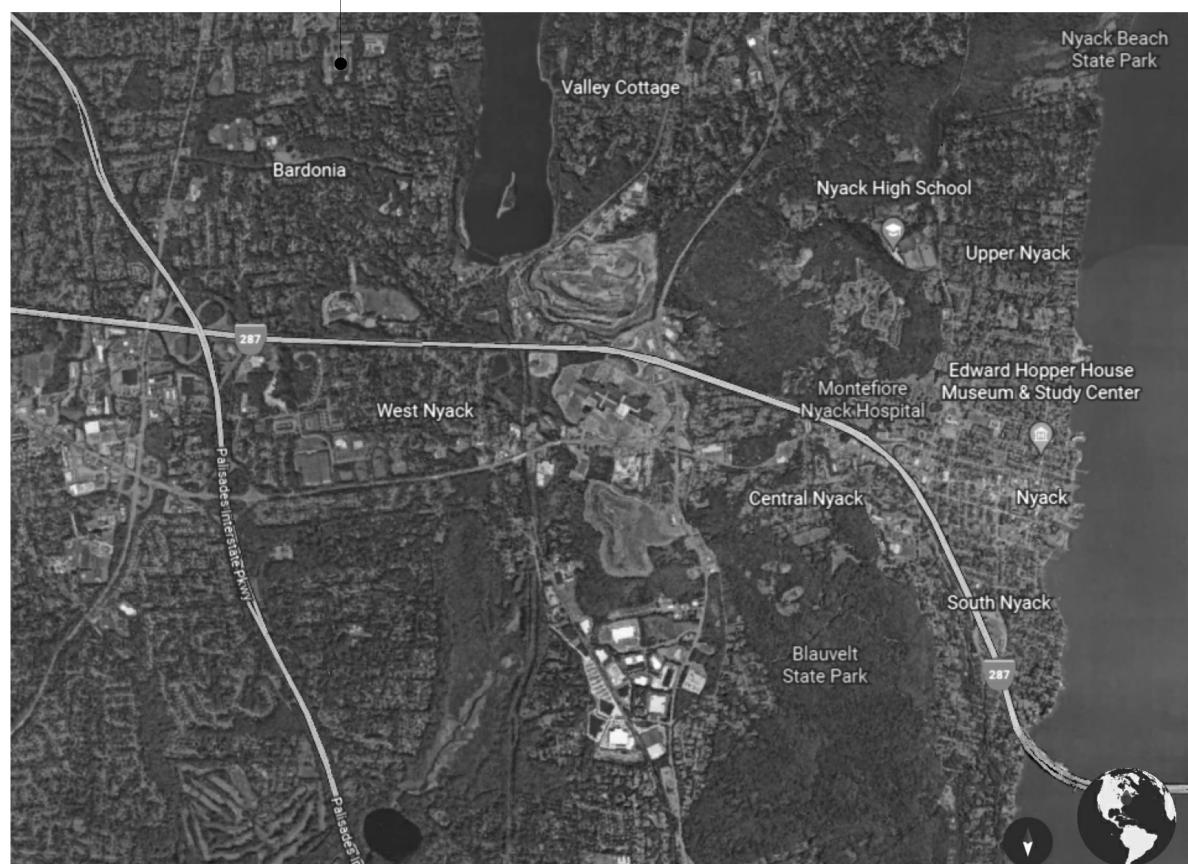
Building #6 Life Skills Alteration ROCKLAND BOCES

65 Parrot Road West Nyack, NY 10994

LOCATION MAP

ROCKLAND BOCES WEST NYACK CAMPUS





ARCHITECT:

www.ksq.design

KSQ Architects PC dba KSQ Design 215 West 40th Street, 15th Floor New York, NY 10018 646.435.0660 office

OWNER:

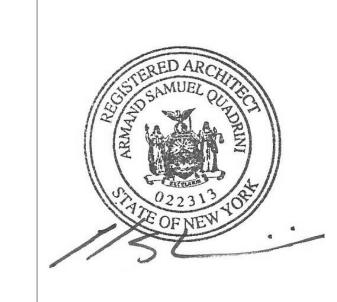
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SED CONTROL NUMBER: 50-90-00-00-0-006-004

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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 S 65 Parrot West Nyack,

PROJECT NUMBER: 2333401.00 COPYRIGHT © 2017 KSQ ARCHITECTS, PC

Rockland BOCES - Life Skills Apartment - Building 6 **Project Name:** Building #6 Center of Occupational Education **Building Name:** Address: 65 Parrott Road, West Nyack, NY 10994

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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:

Number of Stories: Building Height: 13'-0" Building Area: 8,670 SF 1,850 SF Project Area:

Site Size: 38.9 acres (37.5 usable acres)

GENERAL CODE DATA

Construction Type:

Education Occupancy Group:

Project Type: Alteration Level 2

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:

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

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

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C4.1- Non Hazardous Storage (311) S- Storage Group

TABLE III- 704 (2003) TABLE 601 (2020)

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 Basement Storage room	2 (SED S203 (b) 2.b) 2 (SED S203 (b) 2.b)	1 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.

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**Section 1023.2 (2020 IBC)- Stair fire barriers not less than 1 hour where connecting less than four stories

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CHAPTER 7 FIRE-RESISTANCE-RATED CONSTRUCTION

SED S766.1 (Safety Glazing):

10

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

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 ÉGRESS. 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 Exercise Room Gymnasium Locker Rooms Shops/ Labs/ Vocational Classrooms Library Reading Library Stacks	15 50 15 50 50 20 50 100	15 50 15 50 50 20 50 100

EXISTING COMPLYING. EXISTING OCCUPANCY IS NOT INCREASED BY RENOVATIONS.

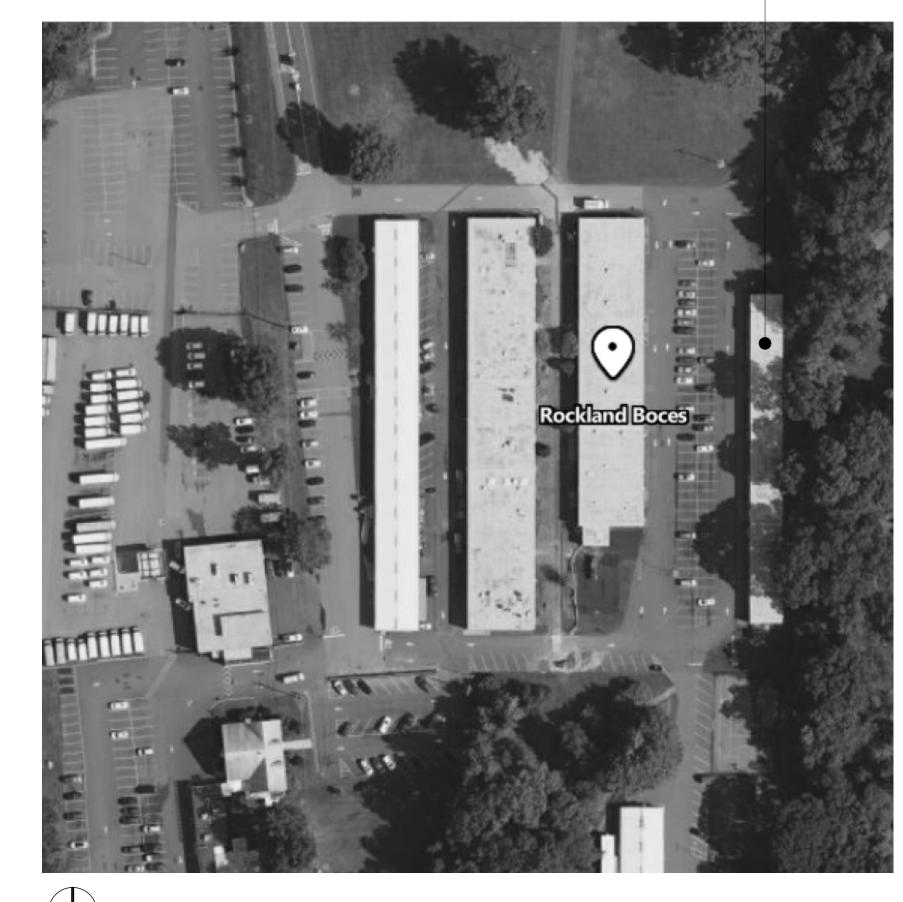
1020.4 Dead Ends. Where more than one exit or exit access doorway is required, the exit access shall be arranged such that dead-end corridors do not exceed 20 feet in length. **EXISTING COMPLYING.**

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

BUILDING #6



ROCKLAND BOCES CAMPUS AERIAL VIEW /

ARCHITECT

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



REVIS	SIONS		
No.		Description	Date
ISSU	JED:	CD SET	

DATE: 2/15/23 **SCALE:** 12" = 1'-0"

SHEET NAME:

PROJECT INFORMATION

SHEET NUMBER:

G-011

	15 14	13	ABBREVIATIONS		10 9	ANNOTA	ΓΙΟΝ LEGEND	GENERAL ARCHI	TECTURAL NOTES
@	AT	G	GROUND	PREFIN	PREFINISHED			1 EXTERIOR DIMENSIONS GIVEN TO THE	EXTERIOR FACE OF EDAMING (STUDE)
A/C AB	AIR-CONDITIONING ANCHOR BOLT	GA GALV	GAGE GALVANIZED	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	TITI -		DIMENSIONS TO INTERIOR PARTITIONS	SARE TO THE FACE OF STUD OR CMU UNLESS
AB ABC	ANCHOR BOLT AGGREGATE BASE COURSE	GC	GENERAL CONTRACTOR	PSI PT	POUNDS PER SQUARE INCH PAINT	TITLE	\/ E\&/_T!T!_E	NOTED "CLR" OR NOTED OTHERWISE. 2 LARGE SCALE DETAILS AND PLANS TAI	(F PRECEDENCE OVER SMALL SCALE
ACS	ACCESS PANEL	GFCR	GLASS FIBER REINFORCED CONCRETE	PT	PRESSURE TREATED	$\frac{12" = 1'-0"}{12" = 1'-0"}$ (A1)	VIEW TITLE	DRAWINGS.	
ACT ADJ	ACOUSTICAL CEILING TILE ADJACENT	GI GL	GALVANIZED IRON GLASS, GLAZING	PTD PTN	PAPER TOWEL DISPENSER PARTITION			3 ALL ITEMS ARE CONSIDERED TO BE "NI	
ADJ AFF	ADJACENT ABOVE FINISHED FLOOR	GPM	GLASS, GLAZING GALLONS PER MINUTE	PIN PTR	PARTITION PAPER TOWEL RECEPTACLE			STRUCTURAL, MECHANICAL, ELECTRIC	IONS, OPENINGS AND CONDITIONS WITH CIVIL, CAL AND ALL OTHER PERTINENT DRAWINGS AND
ALT	ALTERNATE	GYP	GYPSUM	PUR	PURLIN	A1 A101	BUILDING ELEVATION		OTIFY ARCHITECT OF DISCREPANCIES AS SOON
ALUM ANOD	ALUMINUM ANODIZED	GYP BD	GYPSUM BOARD	PVC	POLYVINYL CHLORIDE	Alui		5 DO NOT SCALE DRAWINGS.	
AUTO	AUTOMATIC	Н	HIGH	QT	QUARRY TILE			6 ALL DETAILS ARE TYPICAL, INCORPORA	
		HB	HOSE BIBB	QTR	QUARTER			LOCATIONS WHETHER SPECIFICALLY II 7 HINGE SIDE OF ALL DOORS ARE LOCAT	NDICATED OR NOT. TED 4" (OR 2 STUDS) FROM ADJACENT WALL
BD BFF	BOARD, BEAD BELOW FINISHED FLOOR	HC HD	HOLLOW CORE, HANDICAP HEAVY DUTY	QTY	QUANTITY	(A1	INTERIOR ELEVATION	UNLESS NOTED OTHERWISE.	,
BLDG	BUILDING	HDBD	HEAVY DUTY HARDBOARD	R	RADIUS / RISER / ROUND	A101			E COMPLIMENTARY DOCUMENTS NEITHER TAKE LICTS IN SPECIFICATIONS AND DRAWINGS
BLK(G)	BLOCK(ING)	HDWD	HARDWOOD	RA	RETURN AIR	A •		SHALL BE BROUGHT TO THE ATTENTIO	N OF THE ARCHITECT FOR CLARIFICATION.
BM	BEAM	HDWR	HARDWARE	RB RCP	RESILIENT BASE			9 THIS SET OF DRAWINGS INDICATES GE	NERAL SCOPE OF THE PROJECT. THE CATE OR DESCRIBE ALL WORK REQUIRED FOR
BOT BRG	BOTTOM BEARING	HM HORIZ	HOLLOW METAL HORIZONTAL	RCP RD	REFLECTED CEILING PLAN ROOF DRAIN	A101 A101	BUILDING SECTION	FULL PERFORMANCE AND COMPLETION	N OF THE REQUIREMENTS OF THE CONTRACT.
BSMT	BASEMENT	HP	HORSE POWER	REC	RECESSED	Aloi		ON BASIS OF SCOPE INDICATED OR DE LABOR, MATERIAL AND EQUIPMENT RE	SCRIBED, CONTRACTOR SHALL FURNISH ALL
BU	BUILT-UP	HT	HEIGHT	REF	REFERENCE			COMPLETION OF THE WORK.	QUINED I ON FROFEN EXECUTION AND
C	CHANNEL	HVAC HW	HEATING / VENTILATING / AIR-CONDITIONING HOT WATER	REINF REQD	REINFORCE(D,ING) REQUIRED		Í	10 ALL CONSTRUCTION SHALL COMPLY W LOCAL, STATE AND FEDERAL CODES O	
СТОС	CENTER TO CENTER	1100	TIOT WITEIN	RESIL	RESILIENT	A101	WALL SECTION	· · · · · · · · · · · · · · · · · · ·	CURRENT REQUIREMENTS OF THE AMERICANS
CA	CARD ACCESS	ID	INSIDE DIAMETER	REV	REVISION / REVERSE	Alui		WITH DISABILITIES ACT.	
CAB	CATCH BASIN	IF IMD	INSIDE FACE	RH	RIGHT HAND			12 PROVIDE LINTELS OR HEADERS AS REPRINTED BY MECHANICAL EQUIPM	
CB CEM	CATCH BASIN CEMENT	IMP INCL	INSULATED METAL PANEL INCLUDED	RM RO	ROOM ROUGH OPENING			13 PROVIDE MIN. 2X6 FIRE RETARDANT W	
CEM PLAS	CEMENT PLASTER	INFO	INFORMATION	ROW	RIGHT-OF-WAY	(A1) (A101)	DETAIL	STUDS AT MOUNTING LOCATIONS FOR GUARDRAILS, MILLWORK AND OTHER V	TOILET ACCESSORIES, HANDRAILS,
CER	CERAMIC	INS	INSULATION	RWL	RAINWATER LEADER			,	WALL MOUNTEDITEMS. BUSTIBLE BLOCKING, SUPPORTS, ETC., FOR
CF/CI	CONTRACTOR FURNISH/CONTRACTOR INSTAL	INT	INTERIOR	6	SOUTH			SECURE, INSTALLATION OF WALL MOU	NTED ITEMS. CONTRACTOR TO DETERMINE
CFM CG	CUBIC FEET PER MINUTE CORNER GUARD	INV INV EL	INVERT INVERT ELEVATION	S SA	SOUTH SUPPLY AIR				AS REQUIRED TO SUIT INSTALLATION AND WALL AL DRAWINGS FOR STANDARD DETAILS AND
CI	CAST IRON			SAP	SUSPENDED ACOUSTICAL PANEL			MOUNTING HEIGHTS.	
CIP	CAST IRON PIPE, CAST-IN-PLACE	J-BOX	JUNCTION BOX	SC	SOLID CORE		PATTERN DIRECTION	15 PROVIDE SECURE AND PERMANENT AN CEILING MOUNTED ITEMS. SIESMIC RE	NCHORAGE FOR CEILING FURRING AND OTHER
CKT	CONTROL JOINT	JAN CLO	JANITOR CLOSET	SCHED SD	SCHEDULE STORM DRAIN			16 ALL SUBSTITUTIONS OF MATERIALS AN	
CKT CL	CIRCUIT CENTER LINE	KD	KNOCKED DOWN	SD SDG	STORM DRAIN SIDING	ROOM NAME	ROOM NAME & NUMBER	ARCHITECT IN ACCORDANCE WITH DIV	ISION 1 SPECIAL CONDITIONS.
CLNG	CEILING	KIT	KITCHEN	SECT	SECTION	101	MOON HAINE & NOINDEN	17 PROVIDE FIRE STOPPING AT ALL PENE SPECIFIED IN SPEC SECTION - FIRESTO	
CLR	CLEAR	KO	KNOCKOUT	SF	SQUARE FEET / STOREFRONT		Baas	18 CONTRACTOR IS REQUIRED TO PROVID	
CMP CMU	CORRUGATED METAL PIPE CONCRETE MASONRY UNIT	KPL	KICK PLATE	SHR SHT	SHOWER SHEET	(101A)	DOOR NUMBER	ASSEMBLIES PER SPECIFICATION.	
CMU	CONCRETE MASONRY UNIT CLEAN-OUT	L	ANGLE	SHTHG	SHEATHING	_		19 ALL PIPING, DUCTWORK AND CONDUIT OTHERWISE.	TO BE CONCEALED UNLESS NOTED
COL	COLUMN	LAB	LABORATORY	SIM	SIMILAR	HM-X	FRAME TYPE	20 ALL EXISTING SITE COMPONENTS TO F	
COMB	COMBINATION	LAM	LAMINATE	SM	SHEET METAL			CONSTRUCTION. ALL DAMAGED SURFA REPLACED BY CONTRACTOR AS REQU	ACES AND EQUIPMENT SHALL BE REPAIRED OR
CONC CONN	CONCRETE CONNECT	LAV I R	LAVATORY POUND	SPCL SPEC	SPECIAL SPECIFICATION	A	WINDOW TYPE	21 CONTRACTOR SHALL MAINTAIN SITE D	
CONSTR	CONTRUCTION	LF	LINEAR FOOT	SPKR	SPEAKER		WINDOW TIFE	22 CONTRACTOR SHALL MAINTAIN A CLEA	AN AND SECURE SITE AS REQUIRED BY DIVISION
CONT	CONTINUE	LG	LONG, LENGTH	SQ	SQUARE	A	OUDTAIN DANIEL TYPE	1 - CONSTRUCTION FACILITIES AND TE	
CORR	CARRET	LH	LEFT HAND	SS	SERVICE SINK / STAINLESS STEEL	A	CURTAIN PANEL TYPE	A. SIZES AND LOCATIONS FOR BACKING	G/BLOCKING REQUIRED FOR MOUNTING MECH.
CPT CSK	CARPET COUNTER SUNK	LL LLH	LIVE LOAD LONG LEG HORIZONTAL	ST STD	STREET STANDARD	<u> </u>		AND / OR ELEC. EQUIPMENT B. SIZES AND LOCATIONS OF MECH. AN	
CT	CERAMIC TILE	LLV	LONG LEG VERTICAL	STOR	STORAGE	A0i	WALL TYPE	C. CUTTING AND PATCHING FOR WORK	REQUIRED BY MECH. AND / OR ELEC.
CU	CUBIC	LPT	LOW POINT	STRUCT	STRUCTURAL			24 HOT WATER LINES AND DRAIN LINES U	NDERNEATH ACCESSIBLE SINKS SHALL BE
CU FT	CUBIC FEET COLD WATER PIPING / CURTAIN WALL	LT LT WT	LIGHT LIGHTWEIGHT	SUSP SV	SUSPENDED SHEET VINYL	LEVEL 100'-0"	ELEVATION	INSULATED. 25 EXPOSED ENDS OF ALL PROJECTING E	ELEMENTS SUCH AS SILLS. LEDGES & SIMILAR
CW	COLD WATER FIFING / CURTAIN WALL	LT WT LVR	LOUVER	SV SW	SHEET VINYL SWITCH	7 100-0		COMPONENTS FABRICATED IN METAL,	STONE & OTHER MATERIALS SHALL BE
D	DEEP, DEPTH			SWR	SEWER	X		FINISHED SAME AS FACE.	
DBL	DOUBLE	MATL	MATERIAL	SYMM	SYMMETRICAL	X'-XX"	CEILING HEIGHT (AFF)	MATERIAL	I FGFND
DEMO DEPT	DEMOLISH DEPARTMENT	MAU MAX	MAKE-UP AIR UNIT MAXIMUM	SYS	SYSTEM				LEGEND
DET	DETAIL	MB	MACHINE BOLT	Т	TREAD				
DF	DRINKING FOUNTAIN	MECH	MECHANICAL	T&G	TONGUE AND GROOVE				
DIA	DIAMETER DIAGONAL	MED MEMB	MEDIUM, MEDICAL MEMBRANE	TD TEL	TRENCH DRAIN TELEPHONE			EARTH	RIGID INSULATION
	DIAGONAL		MEZZANINE	TERR	TERRAZZO	A	COLUMN GRID	<u> </u>	
DIAG DIM	DIMENSION		MANUFACTURER	THK	THICK(NESS)				
DIM DISP	DISPENSER	MEZZ MFR			TACKBOARD				
DIM DISP DMPF	DISPENSER DAMPPROOFING	MEZZ MFR MH	MANHOLE	TK BD	TEMPEDED				\/\/\/ BATT INSULATION
DIM DISP DMPF DR	DISPENSER DAMPPROOFING DOOR	MEZZ MFR MH MIN	MANHOLE MINIMUM	TMPD	TEMPERED TOP OF		DEVISION OF OUR & DELTA	GLASS	\ \ \ \ BATT INSULATION
DIM DISP DMPF	DISPENSER DAMPPROOFING	MEZZ MFR MH	MANHOLE		TEMPERED TOP OF TOP OF BEAM		REVISION CLOUD & DELTA	GLASS	BATTINSULATION
DIM DISP DMPF DR DS	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING	MEZZ MFR MH MIN MISC MM MO	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING	TMPD TO TOB TOC	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE		REVISION CLOUD & DELTA	GLASS	
DIM DISP DMPF DR DS DWG	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST	MEZZ MFR MH MIN MISC MM MO MOD	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY	TMPD TO TOB TOC TOD	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK		REVISION CLOUD & DELTA		
DIM DISP DMPF DR DS	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING	MEZZ MFR MH MIN MISC MM MO	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING	TMPD TO TOB TOC	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE	PT-X	REVISION CLOUD & DELTA WALL FINISH		
DIM DISP DMPF DR DS DWG	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL	TMPD TO TOB TOC TOD TOF TOM TOP	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING	PT-X RB-X		AGGREGATE BASE	
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT	MEZZ MFR MH MIN MISC MM MO MOD MR MTD	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED	TMPD TO TOB TOC TOD TOF TOM TOP TOS	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL	RB-X	WALL FINISH BASE FINISH		
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL	RB-X	WALL FINISH	AGGREGATE BASE COURSE	ACOUSTICAL PANEL
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL)	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER	RB-X	WALL FINISH BASE FINISH		
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL	RB-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP	ACOUSTICAL PANEL
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC.	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD	RB-X	WALL FINISH BASE FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP	ACOUSTICAL PANEL
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TYPICAL	RB-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER	ACOUSTICAL PANEL PLYWOOD, OSB
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC.	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION	RB-X VCT-X PT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE	RB-X VCT-X PT-X	WALL FINISH BASE FINISH FLOOR FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER	ACOUSTICAL PANEL PLYWOOD, OSB
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED	RB-X VCT-X PT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE	RB-X VCT-X PT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER,
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED	RB-X VCT-X PT-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL	RB-X VCT-X PT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER,
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER	RB-X VCT-X PT-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER,
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP EXP BT	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXPANSION EXPANSION EXPANSION BOLT	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/CI	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE	RB-X VCT-X PT-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER	RB-X VCT-X PT-X VCT-X	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP BT EXT	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION BOLT EXTERIOR	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/OI OF/OI OF/OI OFC OH	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OFFICE OVERHANG	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST	TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE	PT-X VCT-X XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP EXP BT EXT FA FACP	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/CI OF/OI OF/C OH OPH	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD	RB-X VCT-X PT-X VCT-X XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP BT EXT FA FACP FCO	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPENSION EXTERIOR FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FLOOR CLEAN-OUT	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/CI OF/OI OFC OH OPH OPNG	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF	PT-X VCT-X XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP EXP BT EXT FA FACP	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/CI OF/OI OF/C OH OPH	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD	RB-X VCT-X PT-X VCT-X XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP BT EXT FA FACP FCO FD FDTN FE	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION BOLT EXTERIOR FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FOUNDATION FIRE EXTINGUISHER	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF OF/CI OF/OI OF/C OH OPH OPNG OPP ORD	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE	RB-X VCT-X PT-X VCT-X XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
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DIM DISP DMPF DR DS DWG E EA EF EIFS EJ ELEC ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP EXP BT EXT FA FACP FCO FD FDTN FE FEC	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPENSION EXPENSIO	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF/CI OF/CI OF/CI OF/CI OF/CI OF/CI OPNG OPP ORD PAR PBD PC	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR VWC	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE WITH	RB-X VCT-X PT-X VCT-X XXX XXX XXX XXX XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
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DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEV EMER EOS EQ EQUIP EST ETC EW EWC EXC EXH EXIST EXP BT EXT FA FACO FDTN FE FEC FHC FHC FHC FHC FHC FHC FHC FHC FHC FH	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION FIRE ALARM FIRE EXTINGUISHER FIRE HOSE CABINET FIREHOSE RACK FINISH(ED) FLASHING	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF/OI OF/OI OFC OH OPNG OPP ORD PAR PBD PC PCF PER	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN PARALLEL PARTICLEBOARD PIECE PRECAST CONCRETE POUNDS PER CUBIC FOOT PERIMETER	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR VWC W/W W/O W/W WC WD WDW	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE WITH WITHOUT WALL TO WALL WATERCLOSET WOOD WINDOW	RB-X VCT-X PT-X VCT-X XXX XXX XXX XXX XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ EL ELEV EMER EOS EQ EQUIP EST ETC EW EXC EXH EXIST EXP BT EXT FA FACP FCO FD FD FD FT	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE EXTINGUISHER FIRE EXTIN	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF/OI OFC OH OPNG OPP ORD PAR PBD PC PCC PCF PER PERF	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN PARALLEL PARTICLEBOARD PIECE PRECAST CONCRETE POUNDS PER CUBIC FOOT PERIMETER PERFORATE(D)	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR VWC W W/ W/O W/W WC WD WDW WGL	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE WITH WITHOUT WALL TO WALL WATERCLOSET WOOD WINDOW WIRE GLASS	RB-X VCT-X PT-X VCT-X XXX XXX XXX XXX XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
DIM DISP DMPF DR DS DWG E EA EF EIFS EJ ELECV EMER EOS EQUIP EST ETC EWC EXC EXH EXIST EXP BT EXT FA FACP FD FD FD FD FD FD FC FH FL FH FL	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC(AL) ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION FIRE ALARM FIRE EXTINGUISHER FIRE HOSE CABINET FIREHOSE RACK FINISH(ED) FLASHING	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OD OF/OI OF/OI OFC OH OPNG OPP ORD PAR PBD PC PCF PER	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN PARALLEL PARTICLEBOARD PIECE PRECAST CONCRETE POUNDS PER CUBIC FOOT PERIMETER	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR VWC W/W W/O W/W WC WD WDW	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE WITH WITHOUT WALL TO WALL WATERCLOSET WOOD WINDOW	RB-X VCT-X PT-X VCT-X XXX XXX XXX XXX XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
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DIM DISP DMPF DR DS DWG E EA EF EIFS EJ ELEC ELEV EMER EQUIP EST EXT FACP FD TD FD	DISPENSER DAMPPROOFING DOOR DOWNSPOUT DRAWING EAST EACH EACH FACE EXT INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELEVATOR EMERGENCY EDGE OF SLAB EQUAL EQUIPMENT ESTIMATE ETCETERA EACH WAY ELECTRIC WATER COOLER EXCAVATE(TION) EXHAUST EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FLOOR CLEAN-OUT FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISHED FLOOR ELEVATION FIREHOSE CABINET FIREHOSE RACK FINISH(ED) FLASHING FLEXIBLE FLOOR FLUORESCENT FACTORY MUTUAL FACE OF WALL FIREPROOF	MEZZ MFR MH MIN MISC MM MO MOD MR MTD MTL MVBL N N NA NEUT NFPA NIC NO NOM NRC NTS OA OC OF OF/CI OF/C OH OPP ORD PAR PBD PC PCF PERF PERP PLAM PLAS PLBG	MANHOLE MINIMUM MISCELLANEOUS MILLIMETER MASONRY OPENING MODIFY MOISTURE-RESISTANT MOUNTED METAL MOVABLE NORTH NOT APPLICABLE NEUTRAL NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OWNER FURNISH / CONTRACTOR INSTALL OWNER FURNISH / OWNER INSTALL OFFICE OVERHANG OPPOSITE HAND OPENING OPPOSITE OVERFLOW ROOF DRAIN PARALLEL PARTICLEBOARD PIECE PRECAST CONCRETE POUNDS PER CUBIC FOOT PERIMETER PERFORATE(D) PERPENDICULAR PROPERTY LINE PLASTIC LAMINATE PLASTER PLUMBING	TMPD TO TOB TOC TOD TOF TOM TOP TOS TOW TPD TTB TV TYP UBC UGND UL UNFIN UNO UR V VB VCP VCT VERT VEST VIF VTR VWC W W/W W/O W/W WC WD WDW WGL WH WI WP WR WS	TOP OF TOP OF BEAM TOP OF CURB / TOP OF CONCRETE TOP OF DECK TOP OF DECK TOP OF FOOTING TOP OF MASONRY TOP OF PARAPET / TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNIFORM BUILDING CODE UNDERGROUND UNDERWRITERS' LABROATORY UNFINISHED UNLESS NOTED OTHERWISE URINAL VENT VAPOR BARRIER VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENT THROUGH ROOF VINYL WALL COVERING WEST / WIDE OR WIDTH / WASTE WITH WITHOUT WALL TO WALL WATERCLOSET WOOD WINDOW WIRE GLASS WALL HUNG, WATER HEATER WROUGHT IRON WATERPROOF WATER RESISTANT WEATHERSTRIP	RB-X VCT-X PT-X VCT-X XXX XXX XXX XXX XXX XXX XXX	WALL FINISH BASE FINISH FLOOR FINISH DESIGNATED WALL FINISH DESIGNATED FLOOR FINISH MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS ACCESSIBLE ROOMS WITH MOBILITY FEATURES ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES	AGGREGATE BASE COURSE SAND, MORTAR, GYP BD, GROUT, PLASTER CONCRETE MASONRY UNIT BRICK	ACOUSTICAL PANEL PLYWOOD, OSB FINISH WOOD DIMENSIONAL LUMBER, CONTINUOUS DIMENSIONAL LUMBER BLOCKING
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SED# 50-90-00-0-0-006-004



REVISIONS Date Description ISSUED: CD SET **DATE:** 2/15/23 **SCALE**: 12" = 1'-0"

SHEET NAME:

GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS SHEET NUMBER:

G-031

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ARCHITECT 15 14 13 12 11 10 **WALL TYPE NOTES** 1 ALL WALLS ARE TYPE A3.0 UNLESS NOTED OTHERWISE. 2 USE TYPE "X" GYP. BOARD THROUGH OUT UNLESS NOTED OTHERWISE. 3 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. New York, NY 10018 REFER TO LIFE SAFETY PLAN SHEETS G-100'S, FOR FIRE RATED WALL LOCATIONS. 646.435.0660 office 5 PROVIDE SOUND BATT INSULATION IN ALL UNIT DEMISING WALLS, UNIT CORRIDOR www.ksq.design WALLS, BATHROOM WALLS, ELEVATOR WALLS. 6 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 ROCKLAND BOCES 65 Parrot Road PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE. West Nyack, NY 10994 8 AT WALLS WITH TILE, REPLACE 5/8" TYPE 'X' GYP. BD. WITH 5/8" CEMENT BOARD AND 845.627.1764 office WATERPROOF MEMBRANE BEHIND ALL TILE AND 5/8" MR GYP. BD. ABOVE TILE WHERE www.rocklandboces.org TILE STOPS AT 5'-0" AFF. SEE INTERIOR ELEVATIONS. 9 ALL TOP TRACKS ON NON LOAD BEARING WALLS TO BE SLIP TRACKS. MEP Engineer 10 PROVIDE 1 1/2" SPRAY APPLIED INSULATION ONLY WHERE METAL STUD WALL MEETS Fellenzer Engineering LLP 122 Mulberry Street, Suite 2A Middletown, NY 10940 PARTITION TYPE LEGEND 845.343.1481 office www.fellp.com .0 = 30 MINUTE RATING A = ACOUSTICAL WALL C = CHASE WALL .1 = 1 HOUR RATING .2 = 2 HOUR RATING F = FURRING WALL M = MASONRY WALL P = PARTIAL HEIGHT WALL S = SHAFT WALL T = SHEAR WALL STUD SIZE **WALL TAG KEY** X = NO FRAMING MEMBER WALL TYPE 0 = 7/8" - RATING 1 = 1 5/8" 2 = 2 1/2" $3 = 3 \frac{5}{8}$ " 4 = 4" 6 = 6" └── STUD SIZE 8 = 8" STRUCTURE STRUCTURE STRUCTURE STRUCTURE SEALANT SEALANT SEALANT RUNNER TRACK - RUNNER TRACK RUNNER TRACK 5/8" THIN BRICK THINSET MORTAR BED AIR & MOISTURE BARRIER 5/8" TYPE 'X' GYP BD - 5/8" TYPE 'X' GYP BD 5/8" DENS GLASS SHEATHING Alteration SOUND BATT SOUND BATT INSULATION IF SOUND BATT INSULATION IF √- 5/8" THIN BRICK INSULATION IF REQUIRED, TYP THINSET MORTAR BED REQUIRED, TYP REQUIRED, TYP - AIR & MOISTURE BARRIER FORTIFIED MORTAR METAL STUDS, METAL STUDS, METAL STUDS, REF STRUCTURAL REF STRUCTURAL REF STRUCTURAL FOR ON CENTER FOR ON CENTER FOR ON CENTER AND FRAMING AND FRAMING AND FRAMING EXISTING MASONRY WALL REQUIREMENTS REQUIREMENTS REQUIREMENTS 5/8" TYPE 'X' GYP BD - 2" RIGID INSULATION R7.5 MIN. 5/8" TYPE 'X' GYP BD METAL TRACK - METAL TRACK BATT INSULATION R13 MIN. BASE AS SCHED BASE AS SCHED SEALANT 5/8" TYPE 'X' GYP BD - SEALANT FLOOR FINISH FLOOR FINISH METAL TRACK AS SCHED AS SCHED INTERIOR **EXTERIOR WALL TYPE M WALL TYPE F WALL TYPE B WALL TYPE A** CONCRETE MASONRY UNIT CORE WALL UNIT, WITH OR WITHOUT: ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD ON ONE SIDE OF METAL STUDS ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD ON BOTH SIDES OF METAL STUDS
BATT INSULATION IN CAVITY ON BOTH SIDES OF METAL STUDS INTERIOR FURR OUT, ONE OR BOTH SIDES BATT INSULATION IN CAVITY UL # = XXXX 2 HR FIRE RATING UL # = U419 UL # = U419 STC (DESIGNED) = 52 STC (DESIGNED) = 52 STC (DESIGNED) = 65 METAL STUD TYPE **DATE:** 2/15/23 WALL TYPE LEGEND MODIFIED / **SHEET NAME:** INTERIOR WALL TYPES SHEET NUMBER: G-041 13 12 15 14

KSQ Architects PC dba KSQ Design 215 West 40th Street, 15th Floor





Building #6 Life Skills

65 Parrot Road West Nyack, NY 10994

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

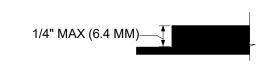
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NOTES:

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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)



13

FIG. 303.2 VERTICAL CHANGE IN LEVEL

12

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

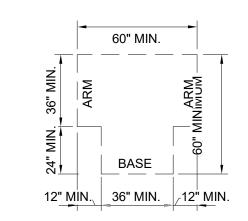


FIG. 304.3.2 T-SPACE TURNING

48" MINIMUM "CLEAR

2'-6" MINIMUM "CLEAR

FLOOR SPACE"

FLOOR SPACE"

FIG. 305.5 POSITION OF CLEAR FLOOR OR GROUND

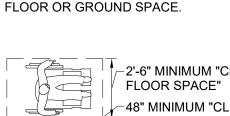
305 CLEAR FLOOR OR GROUND SPACE

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



48" MINIMUM "CLEAR FLOOR SPACE"

FIG. 305.3 CLEAR FLOOR OR GROUND

ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR - ALCOVE DEPTH >24"

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

- ALCOVE DEPTH CLEAR FLOOR SPACE" IF ALCOVE DEPTH

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

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 FLEMENT **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.

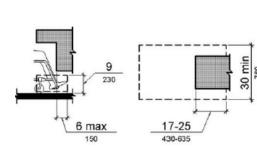


FIG. 306.2 TOE CLEARANCE

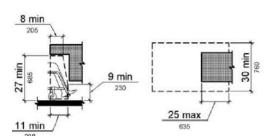


FIG. 306.3 KNEE CLEARANCE

308 REACH RANGES

NOT TO SCALE

NOTES:

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

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.

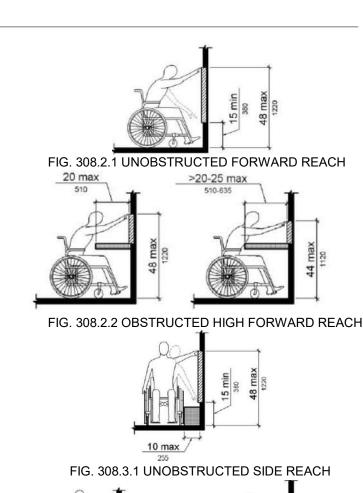
308.3. SIDE REACH.

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.

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 APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS 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

EXCEPTION 1: AN OBSTRUCTION SHALL BE PERMITTED

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



> 10-24 max / FIG. 308.3.2 OBSTRUCTED HIGH SIDE REACH

402 ACCESSIBLE ROUTES

NOT TO SCALE

24" (610 MM) MAXIMUM.

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

PERFORMED.

SHALL COMPLY WITH 505.

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

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

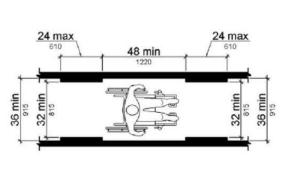


FIG. 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

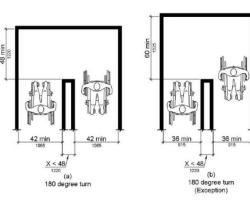


FIG. 403.5.2 CLEAR WIDTH AT TURN

404 DOORS, DOORWAYS, AND GATES

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 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 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.

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

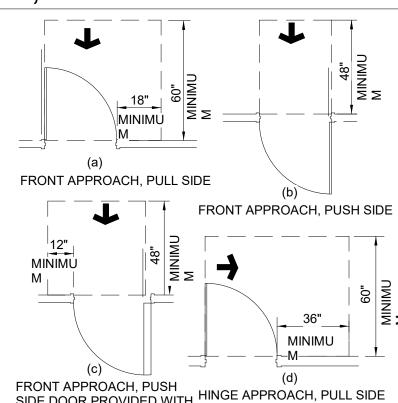
GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE TOP OR BOTTOM RAIL. 2. ACCESS GATES IN BARRIER WALLS AND FENCES PROTECTING POOLS, SPAS, AND HOT TUBS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE RELEASE OF LATCH ON SELF-LATCHING DEVICES AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH 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.

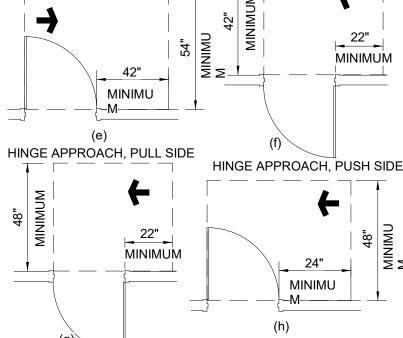
404.2.8.1. DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

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).



SIDE DOOR PROVIDED WITH HINGE APPROACH, PULL SIDE BOTH CLOSER AND LATCH

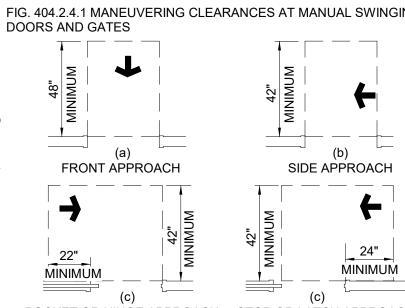


HINGE APPROACH, PULL SIDE HINGE APPROACH, PUSH DOOR PROVIDED WITH CLOSER-MINIMUM MINIMUM

LATCH APPROACH, PUSH SIDE FIG. 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING

LATCH APPROACH, PUSH SIDE

DOOR PROVIDED WITH CLOSER



POCKET OR HINGE APPROACH STOP OR LATCH APPROACH FIG. 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS.

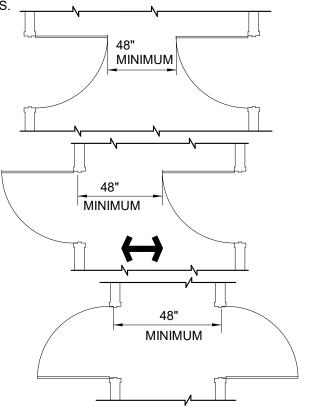


FIG. 404.2.7. DOORS IN SERIES AND GATES IN SERIES

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Building #6 Alteration

65 Parrot Road West Nyack, NY 10994

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



REVISIONS Date Description **ISSUED**: CD SET

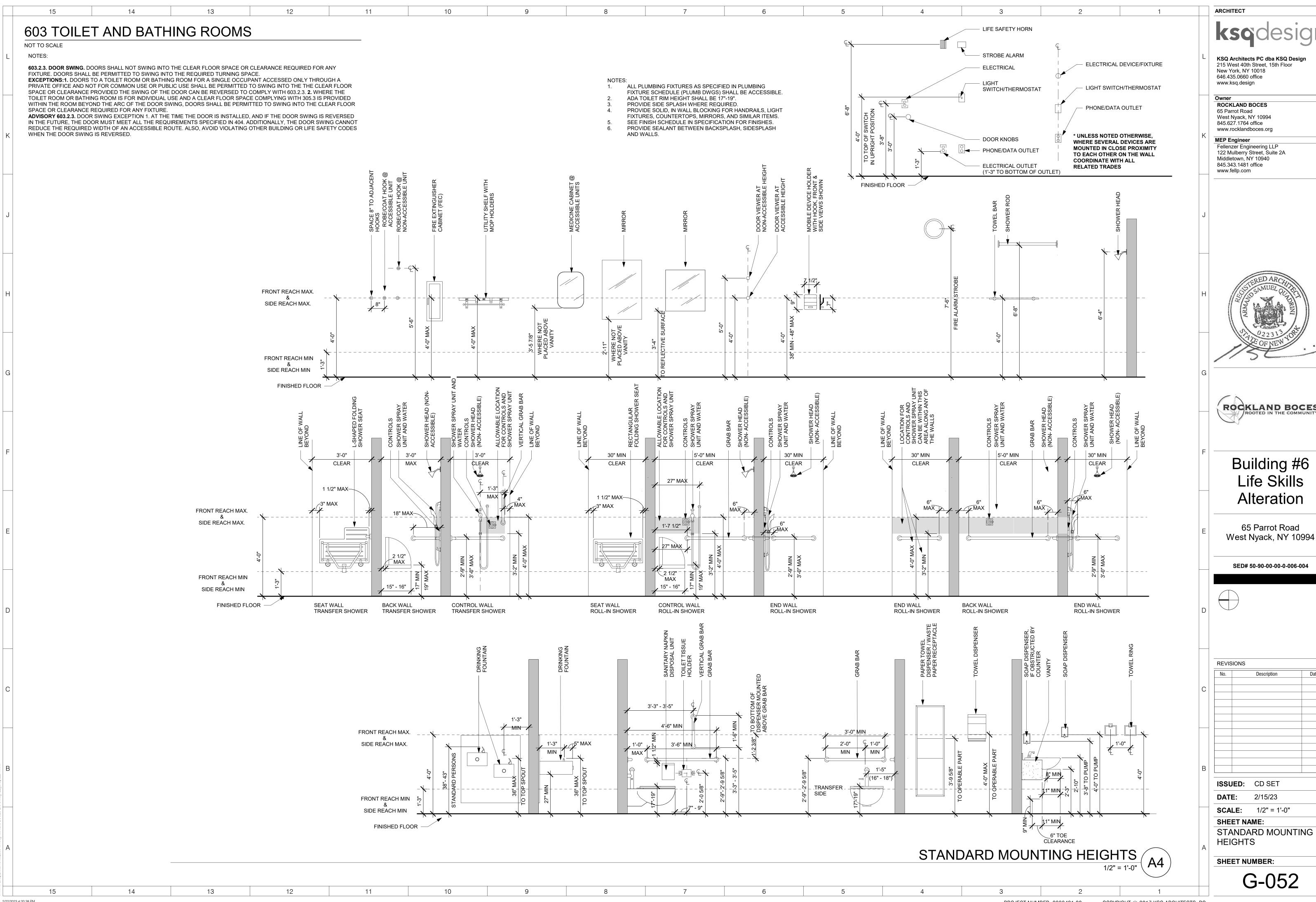
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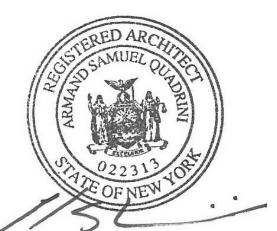
SCALE:

DATE: 2/15/23

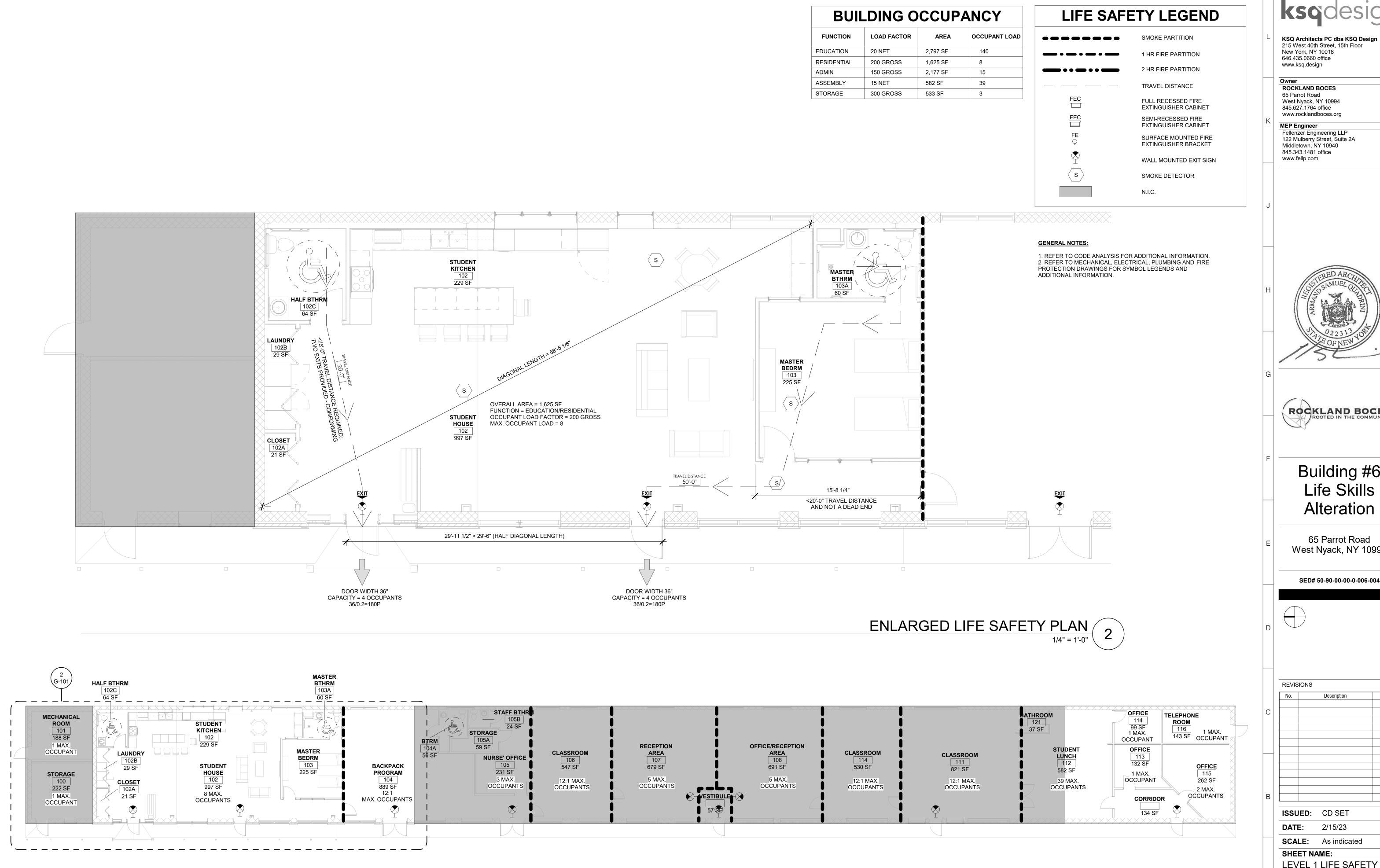
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COMPLIANCE DIAGRAMS









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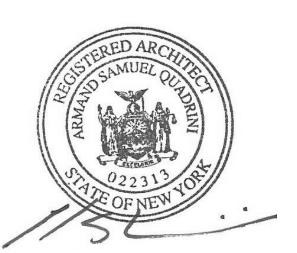
ARCHITECT

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Building #6 Life Skills Alteration

65 Parrot Road West Nyack, NY 10994

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



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SCALE:	As indicated	

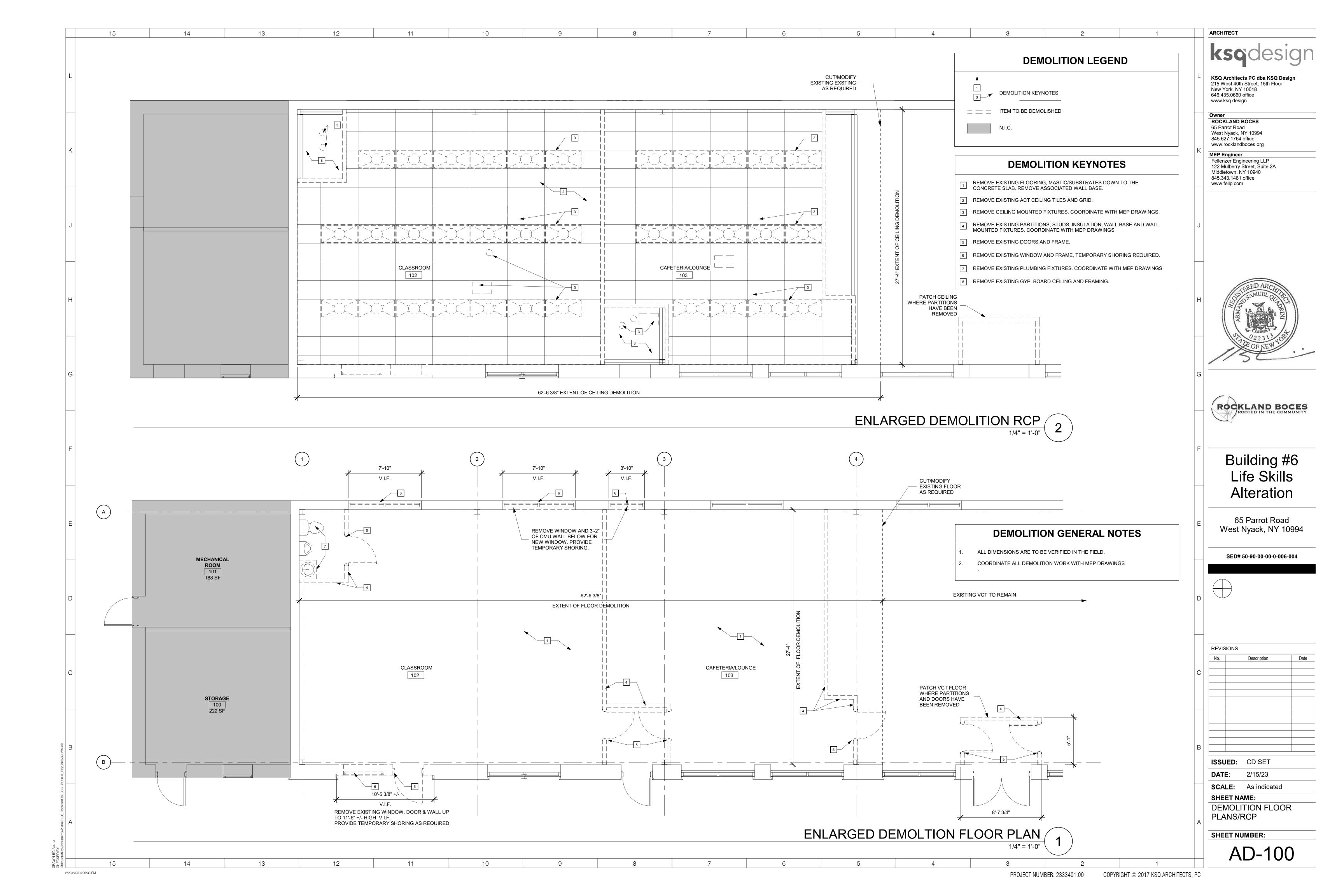
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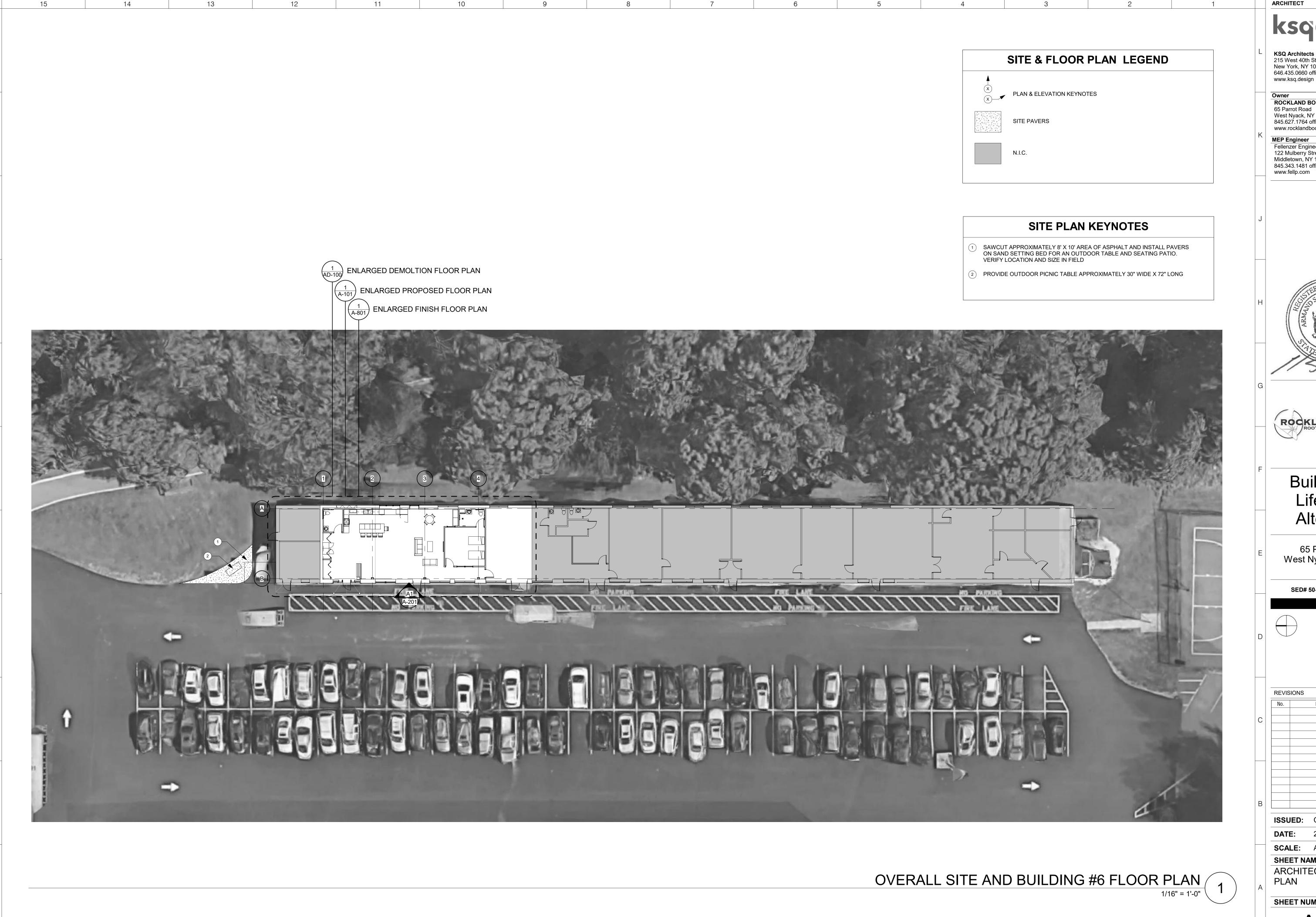
LEVEL 1 LIFE SAFETY PLAN

SHEET NUMBER:

G-101

OVERALL BUILDING #6 LIFE SAFETY PLAN /





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ARCHITECT

KSQ Architects PC dba KSQ Design 215 West 40th Street, 15th Floor New York, NY 10018 646.435.0660 office www.ksq.design

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65 Parrot Road West Nyack, NY 10994

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



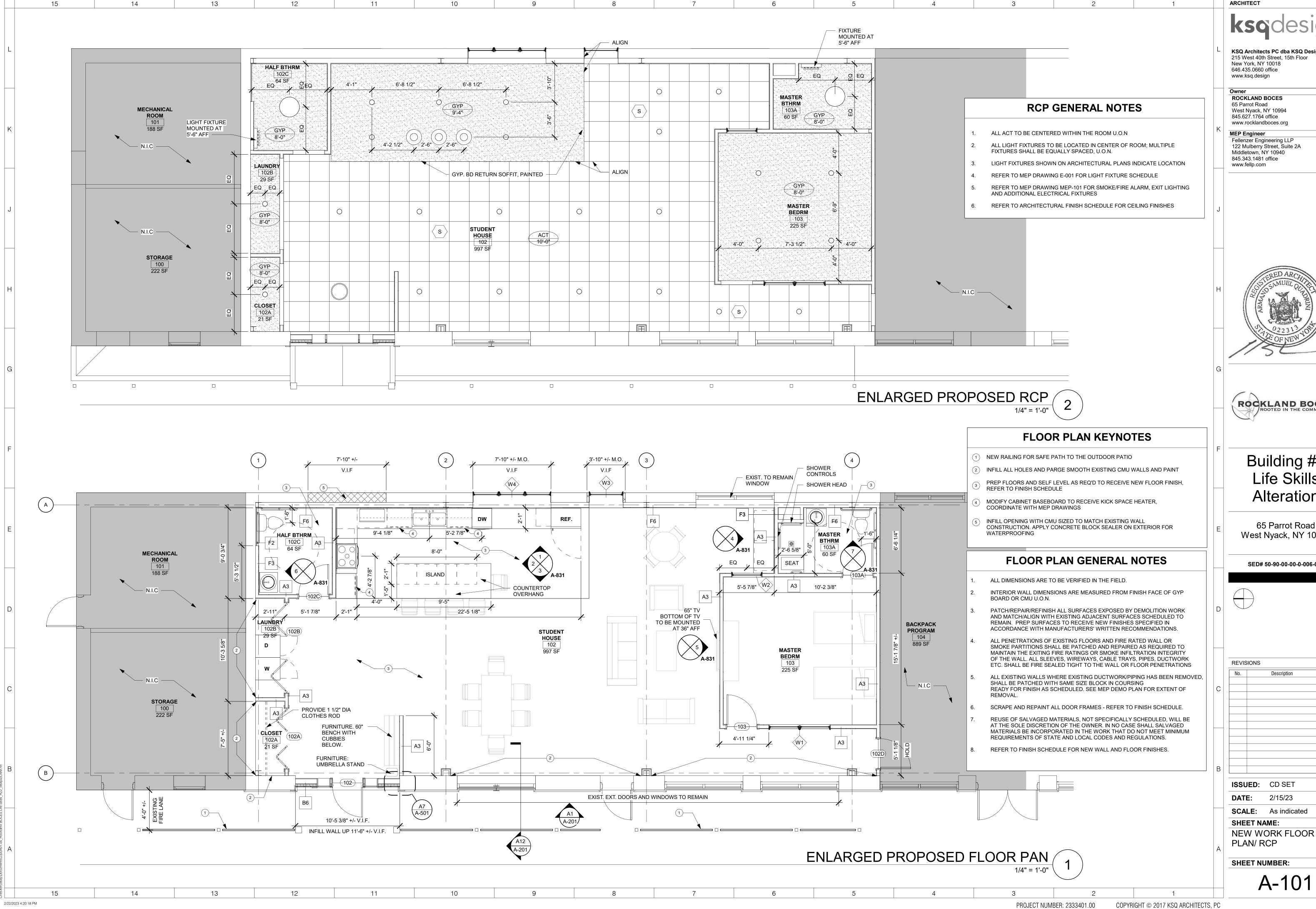
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ARCHITECTURAL SITE PLAN

SHEET NUMBER:

A-011

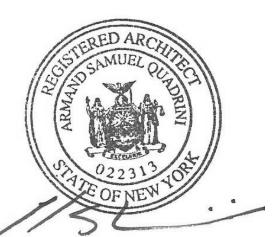


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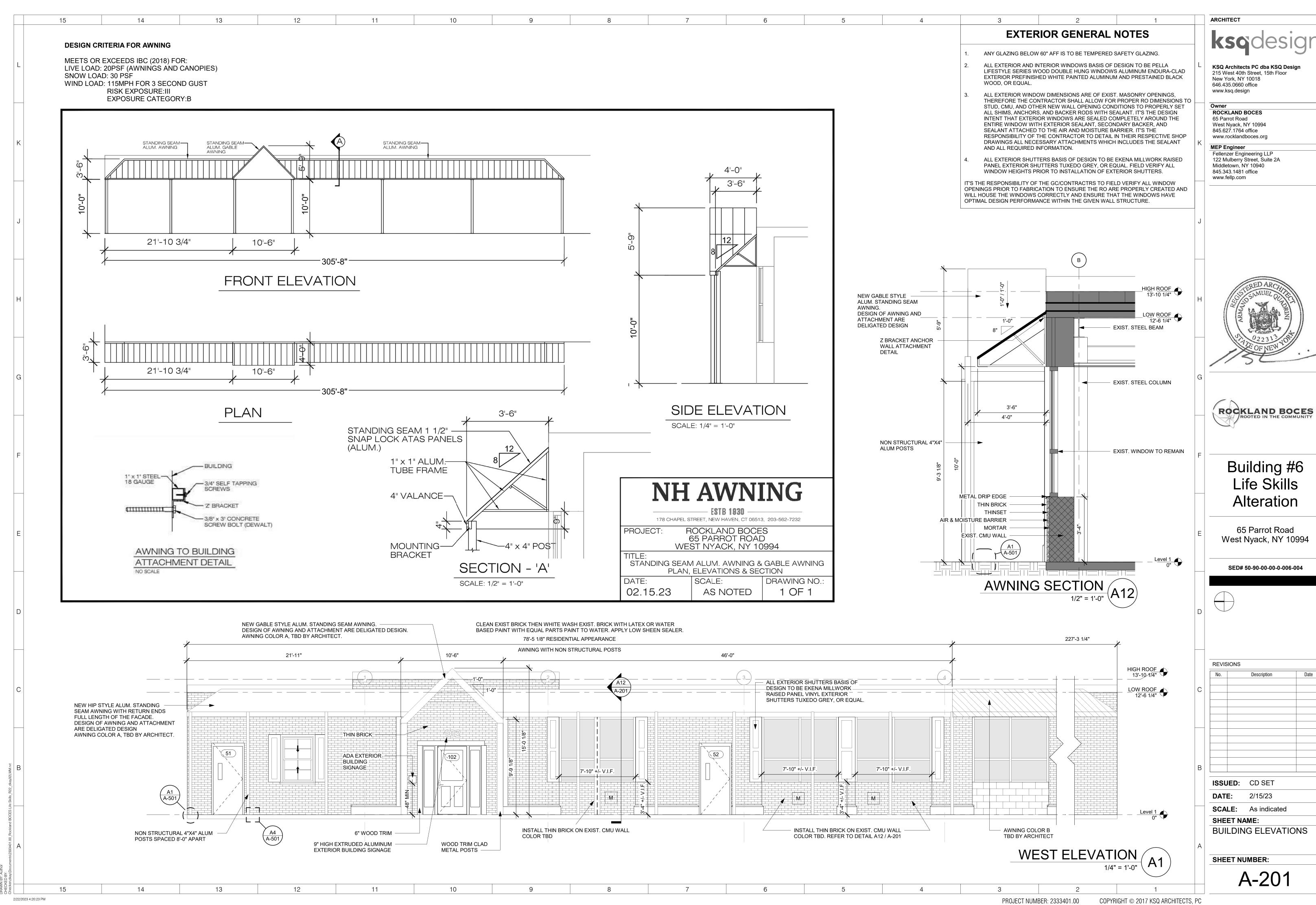
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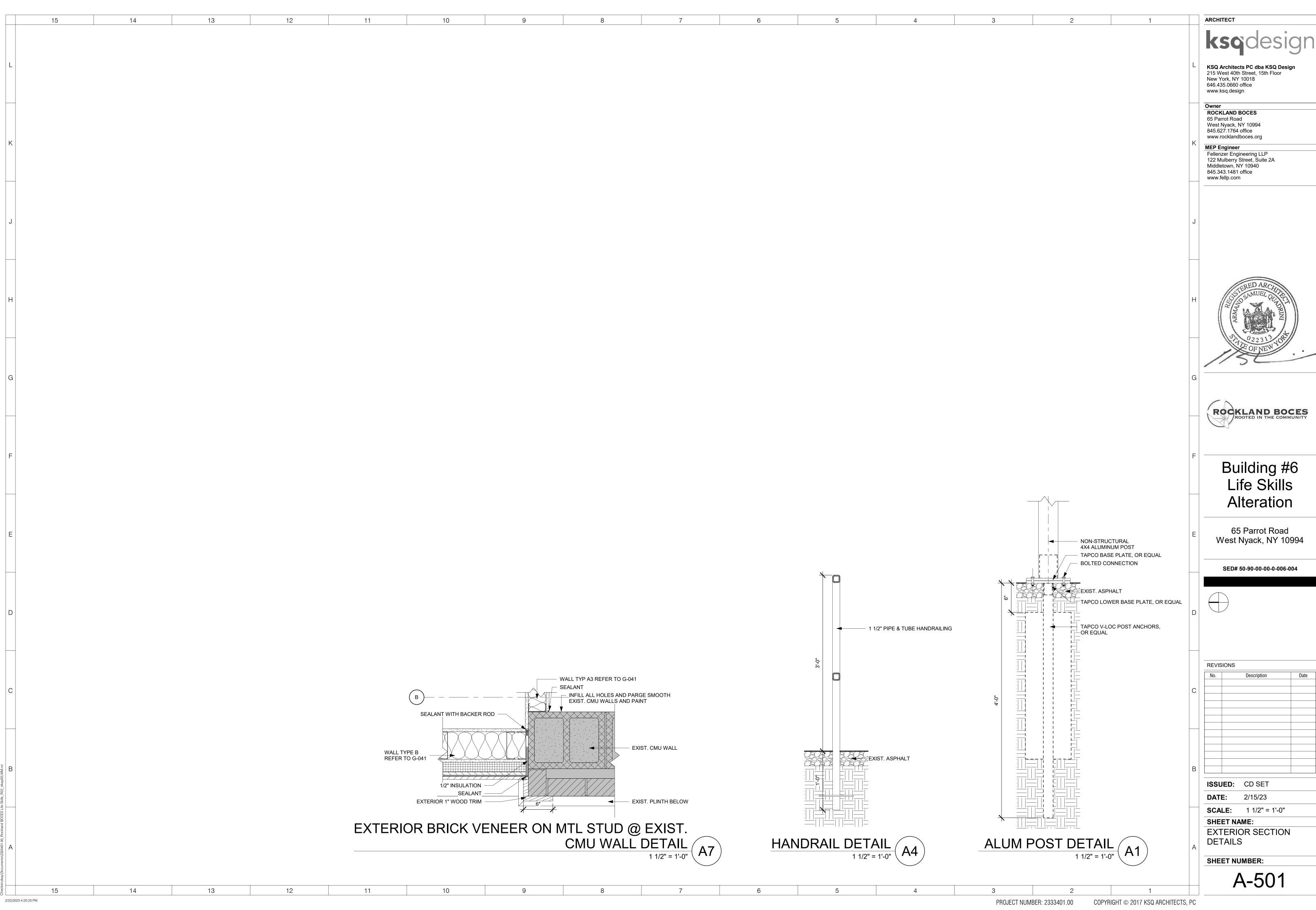
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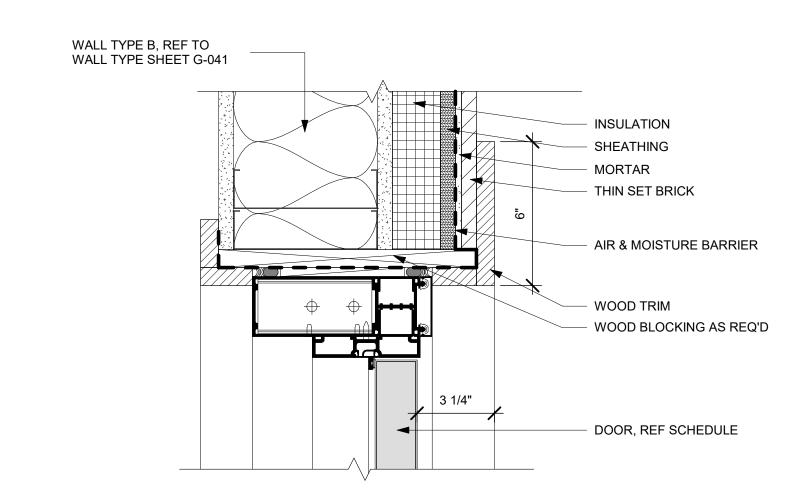
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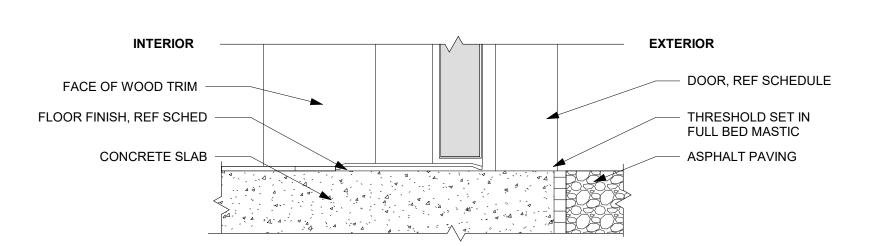




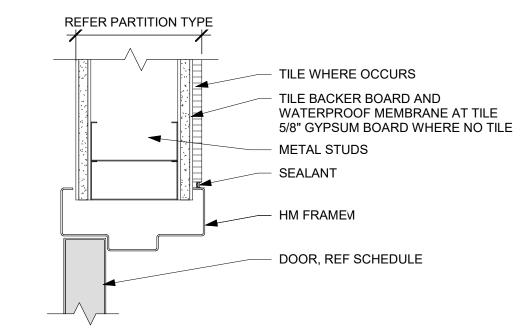


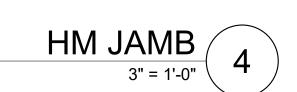


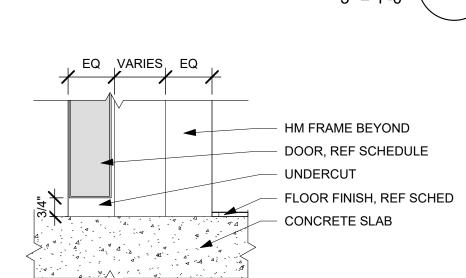


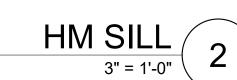


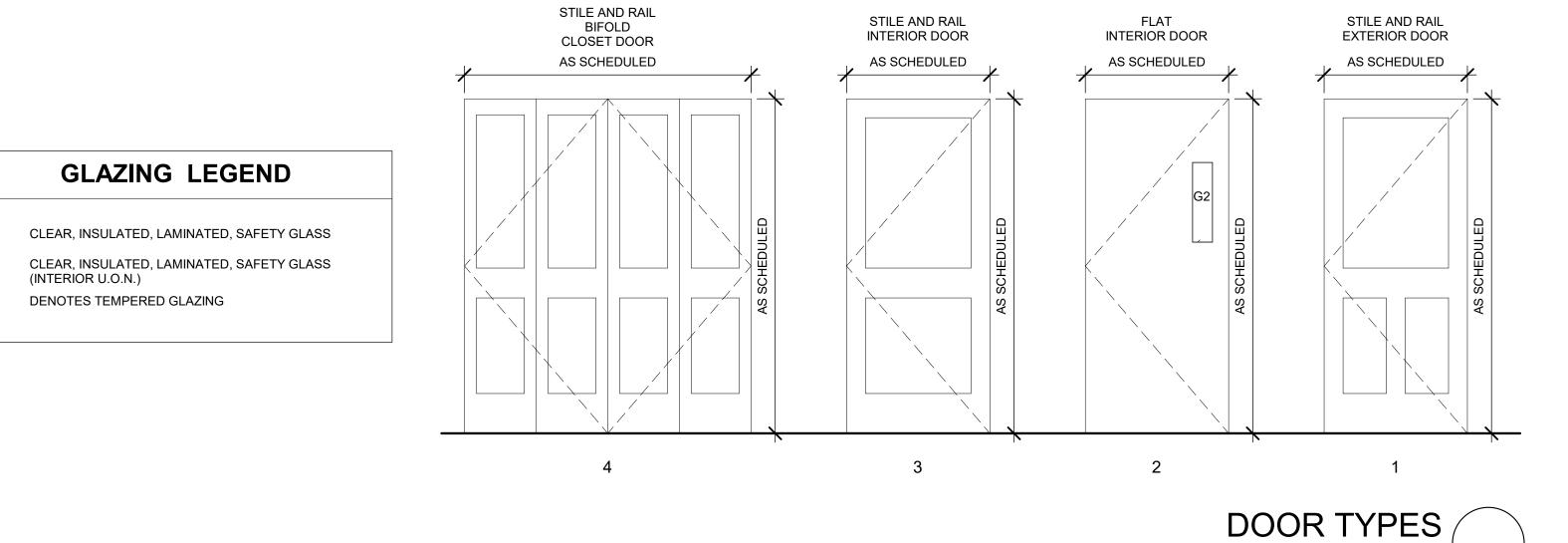


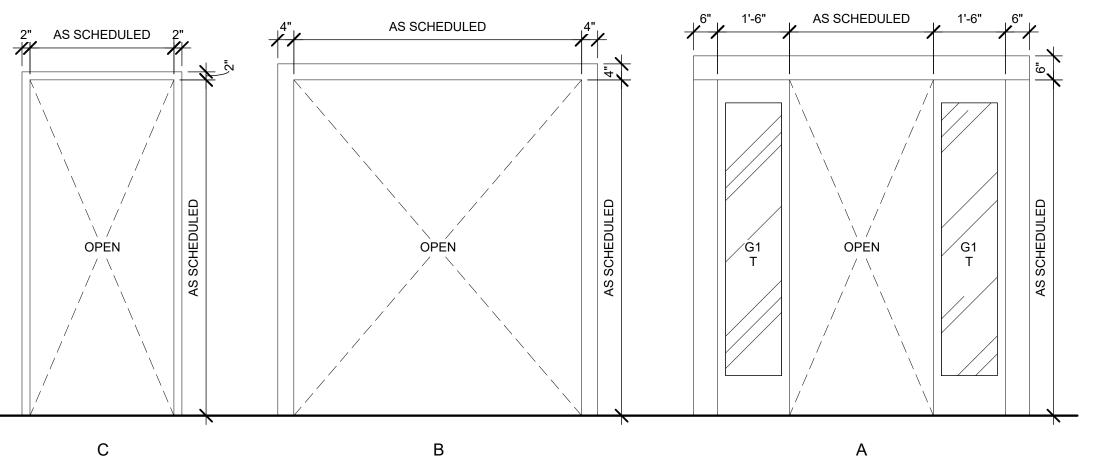












FRAME TYPES

SHEET NUMBER: A-601

DETAILS

ISSUED: CD SET

DATE: 2/15/23

SHEET NAME:

SCALE: As indicated

DOOR SCHEDULES /

REVISIONS

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ROCKLAND BOCES

Building #6 Life Skills

Alteration

65 Parrot Road West Nyack, NY 10994

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

Description

Date

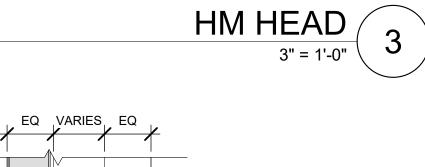
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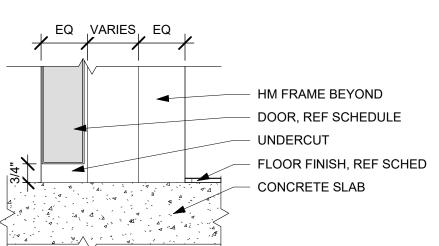
MEP Engineer

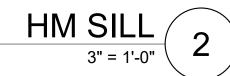
646.435.0660 office www.ksq.design

PROJECT NUMBER: 2333401.00

REFER PARTITION TYPE TILE WHERE OCCURS TILE BACKER BOARD AND WATERPROOF MEMBRANE AT TILE 5/8" GYPSUM BOARD WHERE NO TILE METAL STUD SEALANT HM FRAME DOOR, REF SCHEDULE WOOD TRIM BEYOND EQ VARIES EQ







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WALL TYPE B, REF TO

WALL TYPE SHEET G-041

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INSULATION

SHEATHING MORTAR

- WOOD TRIM

ALUM JAMB AT BRICK VENEER /

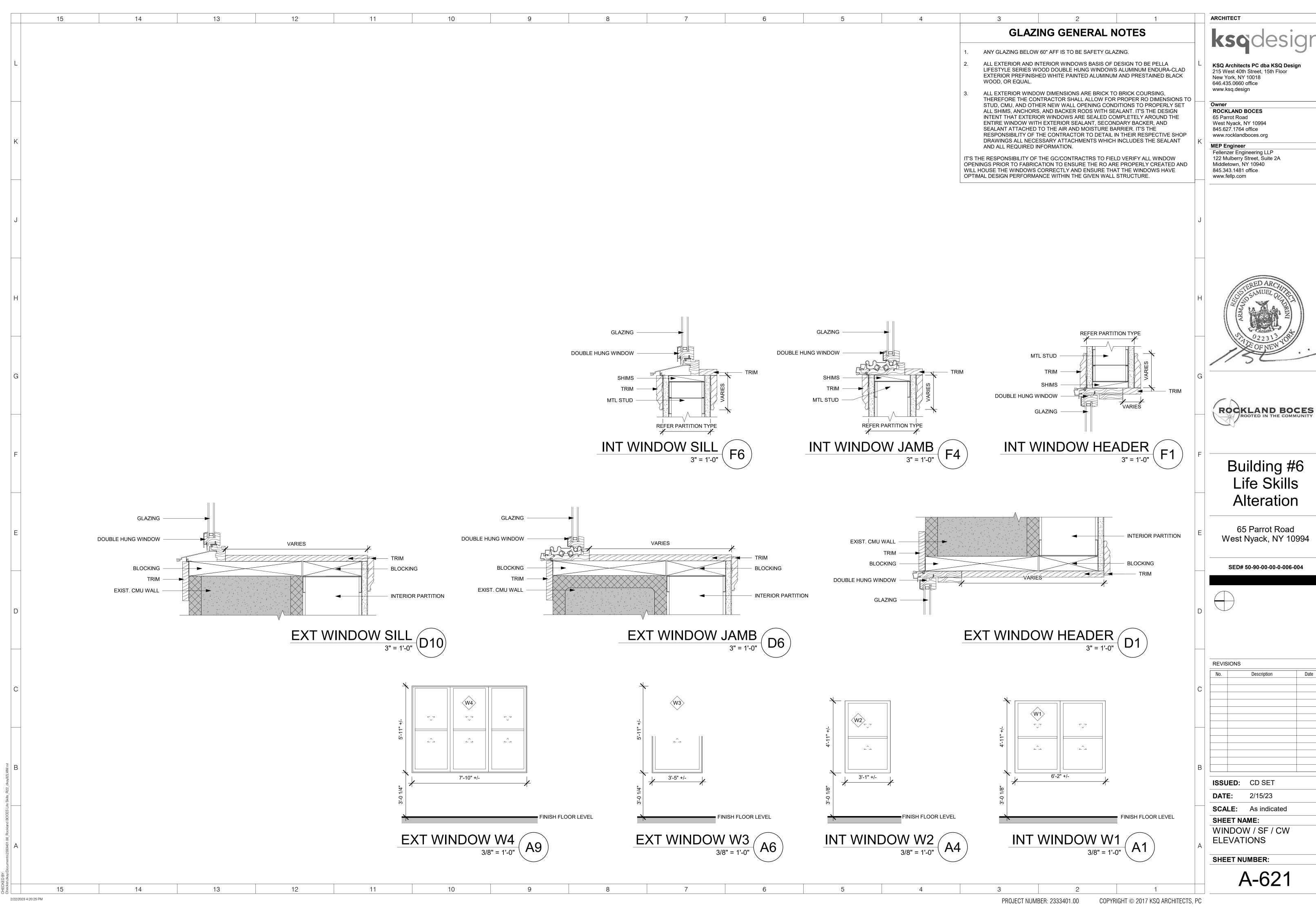
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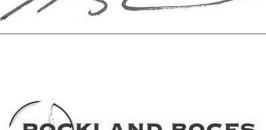
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THIN SET BRICK

AIR & MOISTURE BARRIER

DOOR, REF SCHEDULE





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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	PEB9159SJSS	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				

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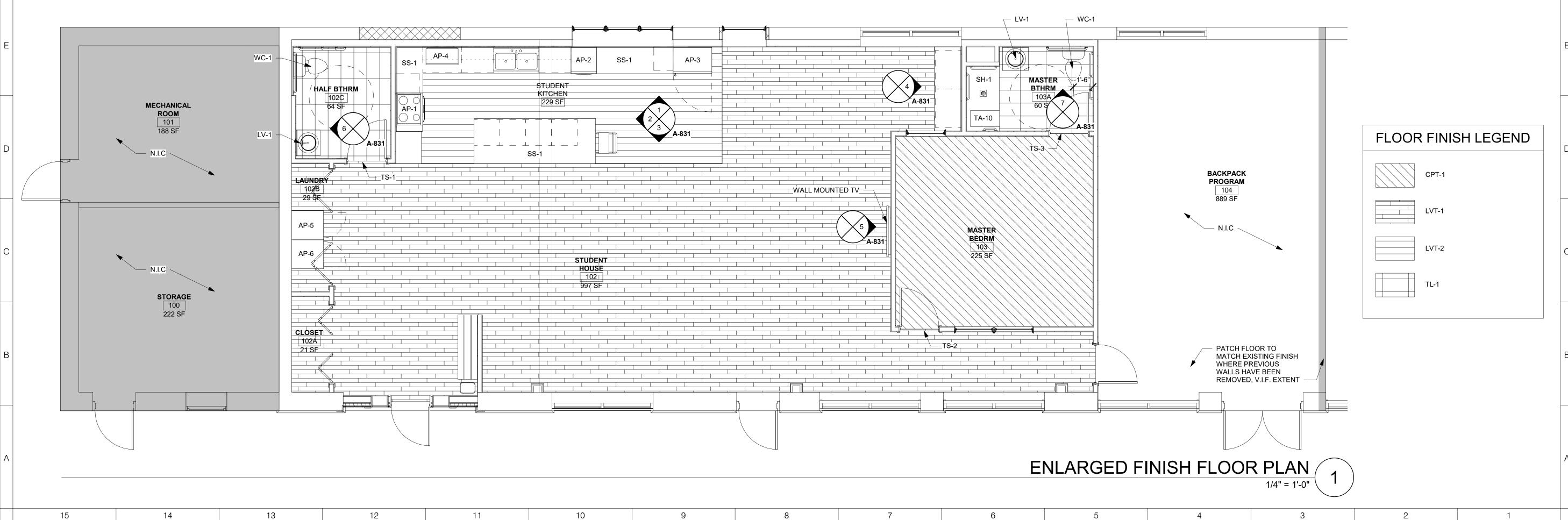
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	PLUMBING FIXTURE SCHEDULE					
TAG	TAG PRODUCT MANUFACTURER PRODUCT NUMBER COMMENT					
KS-1	DROP IN SINK / FAUCET		SE	E PLUMBING DWG'S		
LV-1	COUNTERTOP SINK		SE	E PLUMBING DWG'S		
SH-1	ADA SHOWER		SE	E PLUMBING DWG'S		
WC-1	FLUSH TOILET		SE	E PLUMBING 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		

ACT-1	ACOUSTICAL CEILING TILE				<u> </u>
		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 TERRACORE	12X24	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
	TRANSITION STRIP	JOHNSONITE		GREY	LVT TO CARPET
TS-3	TRANSITION STRIP	JOHNSONITE		GREY	CARPET TO TILE

ROOM FINISH SCHEDULE						
NUMBER NAME FLOOR FINISH BASE FINISH WALL FINISH CEILING FINISH COMMENTS					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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Building #6 Life Skills Alteration

65 Parrot Road West Nyack, NY 10994

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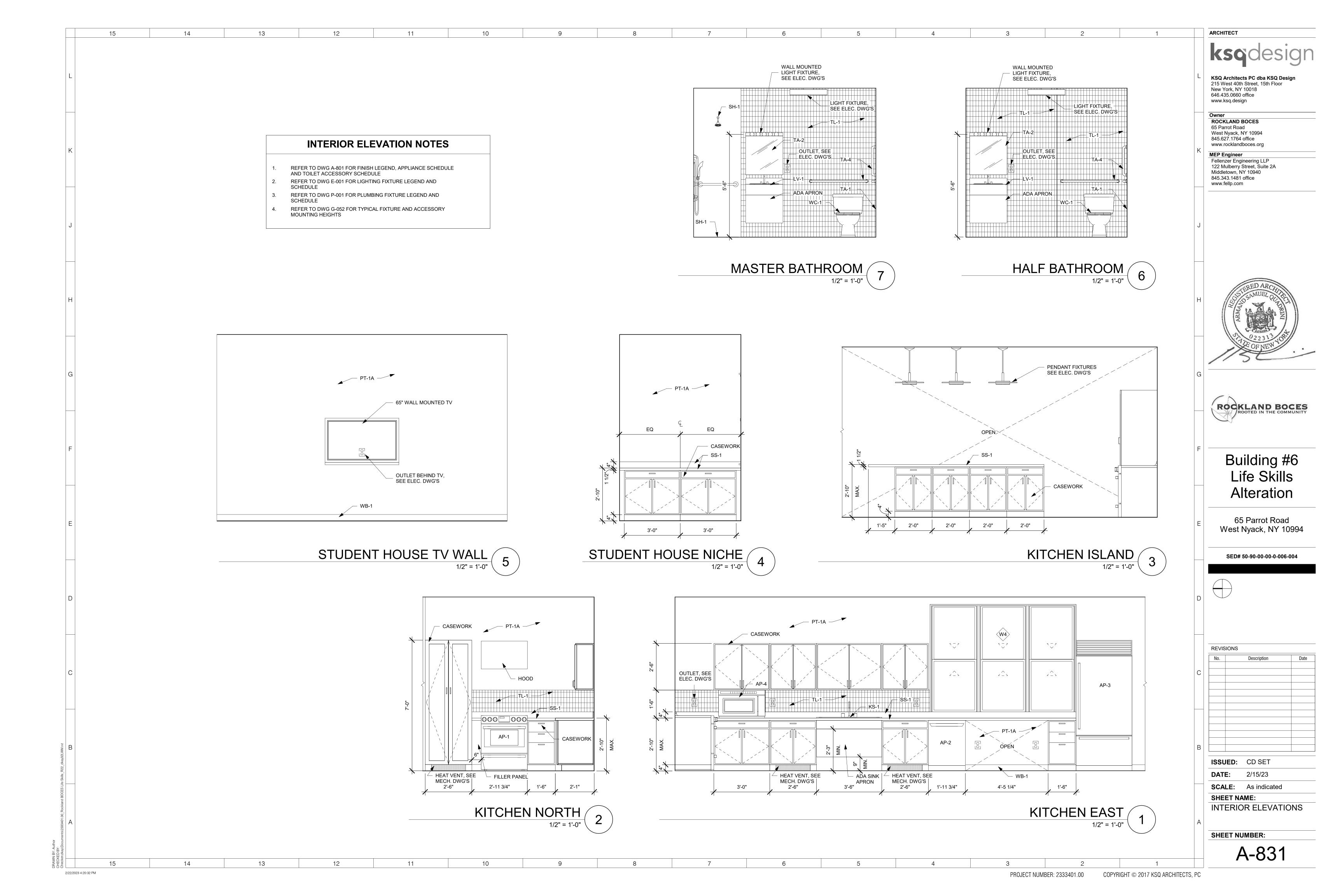


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SHEET NUMBER:
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HVAC & PLUMBING GENERAL NOTES

14

1. 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.

13

12

- 2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- 3. 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.
- 4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- 5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- 6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- 7. COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL
- 8. PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- 9. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- 10. ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- 11. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- 12. 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.
- 13. FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- 14. ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- 15. PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- 16. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- 17. ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
- 18. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
- 19. 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.
- 20. 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
- 21. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS. PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 22. 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.
- 23. 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:

11

- 1. ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- 2. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- 3. 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.
- 4. FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- 5. ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- 6. PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.

HVAC DEMOLITION NOTES:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 2. 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.
- 3. REMOVAL OF ALL POWER CONNECTIONS TO DEMOLITION ITEMS SHALL BE BY THE E.C.
- 4. 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.
- 5. DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 6. 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.
- 7. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 8. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 9. 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

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:

AUTOMATIC

BALL VALVE

SELF-CONTAINED, HEAVY DUTY,

THERMOSTATIC RADIATOR VALVE

(DANFOSS TYPE RA 2000 OR

11

CONTROL VALVE-

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.

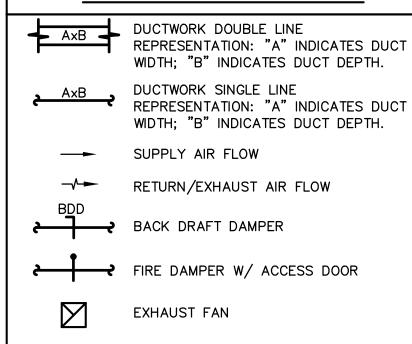
REMOTE TEMPERATURE

SENSOR

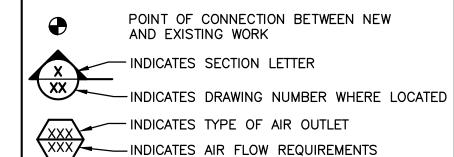
NOTES:

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DUCTWORK SYMBOLS



GENERAL SYMBOLS



ABBREVIATIONS

	<u>/1331111</u>		
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
BTUH	BRITISH THERMAL UNITS/HOUR	LF	LINEAR FEET
CC	COOLING COIL	LPG	LP GAS PIPING
CFM	CUBIC FEET PER MINUTE	LPR	LOW PRESSURE STEAM CONDENSATE
CG	CEILING GRILLE	LPS	LOW PRESSURE STEAM
CLG	CEILING	LBS/HR	
CO	CLEAN OUT	MEŔ	MECHANICAL EQUIPMENT ROOM
CR	CEILING REGISTER	MAX.	
CW	DOMESTIC COLD WATER	MBH	
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	v VE	VOLUME EXTRACTOR
F/SD	COMBINATION FIRE/SMOKE DAMPER	۷ľ	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
1.11	HORSEI OWER		WINE WEST SOILEN

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

NOTES:

1. PROVIDE ALL FANS WITH THERMAL OVERLOAD PROTECTION

2. PROVIDE BACKDRAFT DAMPERS.

			LO	JVER S	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

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

CEILING LINE

ROCKLAND BOCES

Building #6 **Alteration**

65 Parrot Road West Nyack, NY 10994

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

Description

Date

KEY PLAN

REVISIONS

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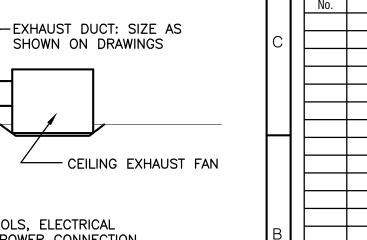
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ISSUED: CD SET

DATE: 2/17/23

SCALE: AS NOTED SHEET NAME:

SYMBOLS, NOTES & **ABBREVIATIONS**

SHEET NUMBER: H-001

-MANUAL AIR VENT (WHEN FED FROM BELOW)

ROUND DUCT HANGING DETAIL

BATHROOM EXHAUST HOOD DETAIL

SEAL PENETRATION

WEATHER-PROOF

CAULKING

WITH NON-HARDENING

-SUSPENDED CEILING

12

- EXTERIOR

BATHROOM EXHAUST

13

WITH OWNER ———

15

SCREEN NOT PERMITTED

14

IN EXHAUST HOOD —

−6"ø ALUMINUM

DUCT

BASEBOARD RADIATION PIPING SCHEMATIC

SLOPE UP

1. AUTOMATIC BALANCING VALVE SHALL BE "HAYS" 2520 MESURFLO OR EQUAL.

2. BALANCE BASEBOARD CIRCUITS AS FOLLOWS:

AUTOMATIC

BALANCING VALVE

ECCENTRIC REDUCER-

(AS REQUIRED, TYP.)

LENGTH (LF)

2-6

7-12

BALL VALVE

LFIN-TUBE HEATING

FLOW RATE

0.5

1.0

1.5

3.0

ELEMENT

SECURE WIRE -

HANGERS MUST NOT DEFORM DUCT SHAPE.

CONTRACTOR SHALL PROVIDE ELECTRICAL POWER CONNECTION. ∖ EXHAUST FAN DETAIL

HVAC CONTRACTOR SHALL PROVIDE CONTROLS, ELECTRICAL

ROUTE TO LOUVER AS

SHOWN ON DRAWINGS

BACKDRAFT DAMPER -

JOHN D. FELLENZER, P.E NY PROFESSIONAL ENGINEER NO. 069373-1

15

14

13

12

11

10

14

13

12

11

10

ARCHITECT

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ROCKLAND BOCES

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Life Skills
Alteration

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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:
SPECIFICATIONS

SHEET NUMBER:

NY PROFESSIONAL ENGINEER NO. 069373-1 H-002

ALL CONDUITS ARE SHOWN DIAGRAMMATICALLY, EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE SPECIFICALLY DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH

14

13

12

INSTALLATION.

INSTALLATION.

DRAWINGS.

WELDED.

UNLESS OTHERWISE NOTED.

AND OPERABLE SYSTEM.

SYMBOL

BUILDING STANDARDS FOR CONSTRUCTION.

11

MODIFICATIONS AT OR NEAR DOORS. INSTALL SWITCH ON SIDE OPPOSITE

25. JUNCTION & PULL BOXES: DO NOT LOCATE EXPOSED IN FINISH SPACES UNLESS

REQUIRED BY NEC. WHERE NECESSARY, REROUTE CONDUIT OR MAKE OTHER

WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE

ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND

LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY CONDUITS. INSTALL PULL BOXES EVERY 100 FEET

HINGE; VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET

24. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO

AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.

STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.

REQUIRED FOR A COMPLETE WORKABLE SYSTEM.

32. PROVIDE BARRIERS IN ALL PULL BOXES FOR CONDUIT SETS.

EXPOSED AREAS AS DIRECTED BY GENERAL CONTRACTOR.

JUNCTION BOXES ETC. INDICATES CIRCUIT NUMBER.

COORDINATE WITH GENERAL CONTRACTOR.

26. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING

27. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO

28. FOR EACH LOCATION OF OTHER TRADES EQUIPMENT, SEE RESPECTIVE TRADE

29. FOR RECEPTACLE & OUTLETS MOUNTING HEIGHTS AND POSITION (HORIZONTAL,

30. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON

DETAILS SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT

31. ALL CONDUITS, ETC. SHALL BE SUPPORTED FROM STRUCTURAL STEEL ONLY.

33. PAINT AND RUST PROOF ALL HARDWARE & CONDUITS ON ROOF AND IN

34. NUMBER SHOWN ADJACENT TO LIGHTING FIXTURES, RECEPTACLES, OUTLETS,

35. ALL GROUND CONNECTIONS TO THE BUILDING STEEL SHALL BE EXOTHERMIC

37. ALL EQUIPMENT DEVICES, WIRING, ETC. SHOWN ON THE DRAWINGS IS NEW

36. FLEXIBLE CONNECTIONS IN EXPOSED AREAS SHALL NOT EXCEED 18" MAXIMUM.

38. ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVES/ OPENINGS FOR ALL CONDUIT

ROOMS SLAB PENETRATIONS SHALL BE WATERPROOF. METHOD OF PENETRATIONS

RISERS PENETRATING WALLS. ROOF & FLOOR SLABS. ALL ROOF AND MECH.

& FIRE/WATER WATER PROOFING SHALL BE APPROVED BY ARCHITECT AND

39. ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS

40. LOCATION OF ALL SLAB PENETRATIONS FOR SLEEVES & CONDUITS SHALL BE

41. CONTRACTOR SHALL WIRE NO MORE THAN EIGHT CONVENIENCE RECEPTACLES TO

A 20A SINGLE POLE CIRCUIT. UTILIZE 2-#12&1 #12 GND IN 34" CONDUIT &

42. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE

43. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE

EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE

THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED

44. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR

45. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE

ARCHITECT: DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL

SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.

ALTERATIONS AND/OR NEW CONSTRUCTION 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

LEGEND AND SCHEDULE OF LIGHTING EQUIPMENT

FFA-EM/10W-DIM-UNV CRI, 120-277V, DIMMING DRIVER. PROVIDE NECESSARY

COORDINATE TRIM WITH ARCHITECT.

DIM-UNV-OW-LS-PM BE PENDANT MOUNTED OVER ISLAND. COORDINATE EXACT

142-24-P1S-L5/835-|LUMENS, 3500K CCT, 80 CRI. CUSTOM LENGTH TO BE 12"

SELF-POWERED LED EXIT SIGN.

LOW VOLTAGE WALL MOUNTED TOGGLE SWITCH. COLOR BY ARCHITECT.

LIGHTING CONTROL EQUIPMENT SCHEDULE

NICKEL FINISH.

ACCESSORIES FOR DRYWALL INSTALLATION.

ROUND RECESSED LED FIXTURE WITH 10W INTEGRAL

EMERGENCY BATTERY PACK, 4500 LUMENS, 3500K CCT, 80

3500K CCT, 90 CRI, 120-277V, DIMMING DRIVER. PROVIDE NECESSARY ACCESSORIES FOR DRYWALL INSTALLATION.

SAME AS 'B' FIXTURE BUT WITH INTEGRAL 14W EMERGENCY

" ROUND CYLINDER DOWNLIGHT LED FIXTURE, 500 LUMENS,

LED VANITY LIGHT WITH 3-LIGHT CONFIGURATION, WALL MOUNT

(4902G) MOUNTED DOWN. HEAVY DUTY STEEL CONSTRUCTION

DAMP LOCATION RATED. PROVIDE FROSTED GLASS SHADES

19½"x8¾"x7",1800 LUMENS, 3000K,120V WITH BRUSHED

NARROW LOW PROFILE WRAP LED FIXTURE, 2700 LUMENS,

3500K CCT, 80 CRI, 120-277V, DIMMING DRIVER. PROVIDE

NECESSARY ACCESSORIES FOR SURFACE MOUNTED INSTALL.

24" CIRCULAR DECORATIVE LED PENDANT FIXTURE, 4300

COMPLETE INSTALLATION. COORDINATE TRIM FINISH WITH

OVERALL HEIGHT. PROVIDE NECESSARY ACCESSORIES FOR A

PUSH BUTTON WALL SWITCH WITH INTEGRAL DUAL—TECH VACANCY SENSOR, COLOR BY ARCHITECT

LOW VOLTAGE WALL MOUNTED DIMMING SWITCH. MANUAL ON TO 50% LIGHT LEVEL. COLOR BY

DUAL-TECHNOLIGY CEILING MOUNTED VACANCY SENSOR WITH DAYLIGHT SENSING SET AT 40 fc

PROVIDE RELAY PACK, 20 MIN. TIME DELAY SET. MOTION DETECTION WITH RETRIGGER AS EITHER

DIGITAL ROOM CONTROLLER WITH DUAL RELAY ON/OFF CONTROL, 120/277V. 'a' DENOTES LIGHITNG

3500K CCT, 80 CRI, 120-277V, DIMMING DRIVER. FIXTURE TO

FIXTURE FINISH WITH ARCHITECT. 6" STEM LENGTH

"ROUND SHALLOW DOWNLIGHT LED FIXTURE, 3000 LUMENS,

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.

MANUFACTURER

HE WILLIAMS

HE WILLIAMS

RP LIGHTING

HE WILLIAMS

HE WILLIAMS

LITHONIA

MANUFACTURER

WATTSTOPPER

MODEL #

RND-2-L45-835-

LDS4C-30-90-35-

D010-W-0-LI

LDS4C-30-90-35-

4CR-L5-835-WHT-

4902-3

17-2-L27-835-

AF-DIM-UNV

UNV-12(CUSTOM)

EDG

MODEL #

LMSW-101

LMDM-101

D010-W-0-LI-EM1

AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL

1-20A SINGLE POLE CIRCUIT BREAKER FÖR EACH CIRCUIT. INSTALL ADDITIONAL

STRUCTURAL ENGINEER, COORDINATE WITH GENERAL CONTRACTOR.

REVIEWED & APPROVED BY STRUCTURAL ENGINEER & ARCHITECT.

CIRCUIT AS NECESSARY TO MEET THIS REQUIREMENT.

VERTICAL), COORDINATE WITH ARCHITECT, OWNER, REPRESENTATIVE.

10

- 2. ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL
- . DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL
- 4. EXPOSED CONDUIT SHALL BE SUPPORTED ON WALLS OR CEILINGS BY APPROVED HANGERS OF ANGLE OR CHANNEL CONSTRUCTION. CONDUITS SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
- 5. ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON CONDUIT LAYOUTS
- 6. NO CONDUIT SHALL BE SMALLER THAN ¾" UNLESS NOTED OTHERWISE ON
- EXACT CONDUIT STUB-UP LOCATIONS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR BASED ON CERTIFIED MANUFACTURER'S DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH
- 8. ALL LIGHTING WIRING SHALL BE #12AWG. UNLESS OTHERWISE NOTED. THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH
- 9. CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERTIGHT THRU WALL CONDUIT SEAL FITTINGS.
- 10. EQUIPMENT FURNISHED BY OTHERS SHALL BE INSTALLED & ENERGIZED BY THE
- 11. ONLY CONDUITS HAVING OUTSIDE DIAMETERS NO LARGER THAN ONE-THIRD OF THE THICKNESS OF SLAB MAY BE INSTALLED WITHIN THE CONCRETE SLABS.
- 12. CONDUITS IN STRUCTURAL SLABS ARE TO BE SPACED SO AS TO PROVIDE NO LESS THAN THREE CONDUIT DIAMETERS, CENTER TO CENTER, WHEREVER POSSIBLE. LARGER SPACING IS PREFERRED.
- 13. CONTINUOUS ROWS OF CONDUITS ARE NOT TO BE PLACED IMMEDIATELY ALONG
- 14. THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
- 15. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE
- 16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE
- 17. THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER
- 18. PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK.
- A. VERIFY & COORDINATE CONDUIT ROUTING.
- B. VERIFY & COORDINATE SCOPE OF DEMOLITION WORK.
- C. VERIFY & COORDINATE SCOPE OF WORK INVOLVING CONNECTIONS TO EXISTING BASE BUILDING SYSTEMS.
- D. VERIFY SCOPE OF WORK THAT HAS TO BE DONE WITH EXISTING FIRE ALARM SYSTEM AS REQUIRED TO ACCOMMODATE ALL ADDED DEVICES.
- E. VERIFY WITH GENERAL CONTRACTOR SCOPE OF WORK ASSOCIATED WITH
- F. COORDINATE WITH THE BUILDING ENGINEER AND GENERAL CONTRACTOR SHUT DOWNS OF EXISTING FACILITIES.
- 19. ARRANGE FOR SITE VISIT WITH THE BLDG. OWNER REPRESENTATIVE AND
- 20. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID
- 21. CONNECTIONS TO EXISTING WORK:

15

- A. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
- B. TEMPORARY SHUTDOWNS OF EXISTING SERVICES:
 - a. AT NO ADDITIONAL CHARGES.
 - b. AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING
 - c. ONLY WITH WRITTEN CONSENT OF THE GENERAL CONTRACTOR AND/OR BUILDING OWNERS REPRESENTATIVE.
- C. ALARM AND EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.
- D. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING
- E. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.
- F. PRIOR TO DEMOLITION OF AN EXISTING POWER PANEL, THE CONTRACTOR SHALL SEARCH OUT ALL EXISTING CIRCUITS FED FROM THE PANEL TO PREVENT ANY ACCIDENTAL SERVICE INTERRUPTIONS.
- 22. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED-FURNISH PULL
- 23. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS

14

SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION. ADJUSTMENT SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

ELECTRICAL DEMOLITION NOTES:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 2. DISCONNECT AND REMOVE ALL DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES, CONDUIT & WIRING FROM ALL WALLS/CEILINGS BEING REMOVED, WITHIN THIS AREA BACK TO POWER PANEL OF ORIGIN. ALL EXISTING CIRCUIT BREAKERS SHALL REMAIN IN PLACE AND LABELED AS "SPARE".
- 3. ALL EXISTING DEVICES SCHEDULED TO REMAIN SHALL BE EXTENDED/RE-CIRCUITED TO MAINTAIN CONTINUITY OF CIRCUIT/DEVICES.
- 4. REMOVALS SHALL INCLUDE, BUT NOT BE LIMITED TO DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES,
- 5. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY WORK AND/OR MATERIALS TO RENDER EXISTING SYSTEM OPERATIONAL DURING ALL PHASES OF CONSTRUCTION IN ALL OCCUPIED SPACES. INCLUDING BUT NOT LIMITED TO, POWER, DATA, LIGHTING, EMERGENCY COMPONENTS &

ALARMS. COORDINATE WITH ALL TRADES, OWNER AND OVERALL CONSTRUCTION PHASING SCHEDULE.

- 6. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 7. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 8. 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.

FIRE ALARM NOTES:

DETECTOR PERFORMS VERIFICATION.

- 1. REFER TO THE FLOOR PLANS FOR LOCATION & QUANTITY OF FIRE ALARM DEVICES.
- 2. ALL NEW FIRE ALARM WIRING SHALL BE IN TEFLON WIRE AND SHALL BE CONCEALED IN CEILING SPACES & WALLS.
- 3. CONTRACTOR IS RESPONSIBLE FOR ALL FILING AND FINAL INSPECTION AS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
- 4. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY MODULES, INTERFACE MODULES AND DEVICES REQUIRED TO PROVIDE AN OPERABLE ALARM SYSTEM IN COMPLIANCE WITH ALL CODES.
- 5. EXISTING FIRE ALARM PANEL SHALL PROVIDE CONTINUOUSLY SUPERVISED MONITORING OF ALL SYSTEMS
- FOR OPENS, SHORTS AND GROUNDS. 6. ACTIVATION OF THE SMOKE DETECTORS SHALL CAUSE A GENERAL ALARM AFTER THE SMOKE
- 7. ACTIVATION OF ANY PULL STATION OR HEAT DETECTOR SHALL IMMEDIATELY CAUSE THE ALARM PANEL
- TO ENTER THE ALARM MODE. 8. UPON ENTERING THE EXISTING PANEL ALARM MODE, THE ALARM INDICATING DEVICE SHALL BE

ACTIVATED, AND THE SUPPLY FANS SHALL SHUT-DOWN AND THE DIGITAL COMMUNICATOR SHALL

- NOTIFY THE CENTRAL RECEIVING STATION. (LOCAL FIRE CONTROL CENTER). 9. EXISTING BATTERY BACKUP SHALL PROVIDE A MINIMUM OF 24 HRS. OPERATION WITH A 15 MINUTE ALARM AT THE END OF 24 HRS.
- 10. EXISTING FIRE ALARM SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NFPA CODES 70, 70E, 72, BCNYS AND FCNYS.
- 11. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. MODEL NUMBERS GIVEN MAY NOT INCLUDE ALL SPECIFIC REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.
- 12. PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNCH.
- 13. ENTIRE FIRE DETECTION AND ALARM SYSTEM SHALL BE FURNISHED AND INSTALLED BY A N.Y. STATE LICENSED ALARM CONTRACTOR.
- 14. EXISTING FIRE ALARM PANEL SHALL BE PROVIDED WITH A REMOTE DIALER WITH (2) DIRECT CONNECTIONS TO THE LOCAL FIRE CONTROL CENTER.

LAMP

56.6 WATTS

80.9 LUMEN/WATT

32 WATTS

32 WATTS

6.7 WATTS

77 LUMEN/WATT

25 WATTS

21.3 WATTS

137 LUMEN/WATT

47 WATTS

LED

15. FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL A KNOX BOX AT THE ENTRANCE TO THE BUILDING NEAREST THE FIRE ALARM PANEL WITH SIGNAGE ON THE DOOR TO THE FIRE ALARM CONTROL PANEL ROOM. COORDINATE ALL REQUIREMENTS WITH LOCAL FIRE AND BUILDING DEPARTMENT OFFICIALS.

ABBREVIATIONS

Α	AMPERE	KW	KILO WATT
ACT	ACOUSTIC CEILING TILE	LED	LIGHT-EMITTING DIODE
AF	AMPERE FRAME	LP	LIGHTING PANEL
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AIC	AMPERE INTERRUPTING CAPACITY	M.C.	MECHANICAL CONTRACTOR
AL	ALUMINUM	MCM	THOUSAND CIRCULAR MILS
AUTO	AUTOMATIC	мсв	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL
BCW	BARE COPPER WIRE	MDP	MAIN DISTRIBUTION PANEL
C	CONDUIT	MLO	MAIN LUGS ONLY
CAT	CATALOG	MTD	MOUNTED
СВ	CIRCUIT BREAKER	MTG	MOUNTING
CKT	CIRCUIT	N	NEUTRAL
CLG	CEILING	NIC	NOT IN CONTRACT
CU	COPPER	NEC	NATIONAL ELECTRIC CODE
DP	DISTRIBUTION PANEL	NTS	NOT TO SCALE
DIV	DIVISION	NM	NON-METALLIC CONDUIT
DWG	DRAWING	P	POLE
EA	EACH	PB	PULL BOX
E.C.	ELECTRICAL CONTRACTOR	ø	PHASE
ELEC.	ELECTRICAL	PWR	POWER
EQUIP.	EQUIPMENT	RECEPT.	RECEPTACLE
EMT	ELECTRICAL METALLIC TUBING	REQ.	REQUIRED
FA	FIRE ALARM	RGS	RIGID GALVANIZED STEEL
FAP	FIRE ALARM PANEL	RM	ROOM
FL	FLOOR	SCHED.	SCHEDULE
FLEX	FLEXIBLE	SECT.	SECTION
FT	FEET OR FOOT	SPEC.	SPECIFICATION
F.W.E.	FURNISHED WITH EQUIPMENT	SPKR.	SPEAKER
G, GND	GROUND	SKK. SW	SWITCH
	GROUND FAULT INTERRUPTER	SWBD	SWITCH SWITCH BOARD
GFI			
G.C.	GENERAL CONTRACTOR	SYS	SYSTEM
HP	HORSEPOWER HAND SWITCH	TEL	TELEPHONE
HS		TYP	TYPICAL
HVAC	HEATING, VENTILATING & AIR CONDITIONING HERTZ	U.N.O.	UNLESS NOTED OTHERWISE VERIFY IN FIELD
HZ		VIF	
IC	INTERRUPTING CAPACITY	WP	WEATHER PROOF
IMC	INTERMEDIATE METAL CONDUIT	W VEMP /	WATT
JB	JUNCTION BOX	XFMR/	TRANSFORMER
KV	KILO VOLT	TRANSF.	
KVA	KILO VOLT AMP		

ELECTRICAL LINE TYPES

-/-/- or ---- EXISTING TO BE REMOVED EXISTING TO REMAIN NEW DEVICE ----- NEW WIRING ----- NEW FIXTURE

GENERAL SYMBOLS

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK POINT OF DISCONNECT -INDICATES SECTION LETTER

POWER SYMBOLS

SPEC GRADE NEMA 5-20R RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE

--- INDICATES DRAWING NUMBER WHERE LOCATED

- SPEC GRADE NEMA 5-20R RECEPTACLE. MOUNT AT 44" AFF OR 6" ABOVE COUNTER, UON. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE
- 2P, 3 WIRE, 250V GROUNDING NEMA 6-30R RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE
- 1P, 3 WIRE, 125V QUAD RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE
- SPECIAL PURPOSE CONNECTION.
- JUNCTION BOX, SIZE PER N.E.C.
- PULL BOX
 - 208Y/120V, 3ø, 4W PANEL BOARD
 - CONDUIT HOME RUN TO DESIGNATED PANEL. REFER TO PANEL SCHEDULE FOR CONDUIT & CABLE QUANTITY AND SIZE

DOUBLE HOME RUN

■■■■ TRIPLE HOME RUN

GROUND

ELECTRIC METER

COMMUNICATION SYMBOLS

FIRE ALARM HORN W/STROBE ADA COMPLIANT

LIGHTING SYMBOLS

1P, 20A, TOGGLE SWITCH, PROVIDE WITH MATCHING FACE PLATE,

1P, 20A, TOGGLE SWITCH WITH BUILT-IN VACANCY SENSOR,

PROVIDE WITH MATCHING FACE PLATE, COLOR BY ARCHITECT

FIRE ALARM SYMBOLS

CEILING MOUNTED VACANCY SENSOR

COLOR BY ARCHITECT. MOUNT 48" AFF.

EXIT LIGHT (SEE SCHEDULE)

MOUNT 48" AFF.

EMERGENCY WALL PACK FIXTURE

SMOKE DETECTOR

FIRE ALARM PULL STATION

STROBE ONLY ADA COMPLIANT

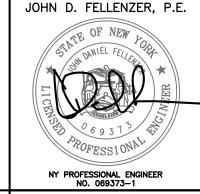
TV OUTLET. PROVIDE & INSTALL PULL STRING FROM OUTLET LOCATION TO ABOVE CEILING EACH IN 34" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.

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



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Building #6 Life Skills Alteration

65 Parrot Road West Nyack, NY 10994

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



REVISIONS Description Date

ISSUED: CD SET

DATE: 2/17/23 **SCALE**: AS NOTED

SHEET NAME: SYMBOLS, NOTES & **ABBREVIATIONS**

SHEET NUMBER:

CONTROL FOR ZONE 'a' FIXTURES. 'b' DENOTES LIGHTING CONTROL FOR ZONE 'b' FIXTURES. E-001 COMPLIANCE WITH THE 2020 UNIFORM CODE. 13 12 11 10 5 2

CODES, PERMITS AND INSPECTIONS

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- GOVERNING CONDITIONS GENERAL CONDITIONS OF THE ELECTRICAL CONTRACT SHALL BE IN ACCORDANCE WITH THE "GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTIONS OF BUILDINGS" NSPE/ACEC-CS 156465 (LATEST EDITION) WITH THE LATEST ADDENDA AND REVISIONS.
- 2. SUPPLEMENTARY GENERAL CONDITIONS SUPPLEMENTARY GENERAL CONDITIONS MAY BE PROVIDED FOR ALL MECHANICAL AND ELECTRICAL WORK AND ARE CONTAINED IN THE GENERAL CONSTRUCTION DOCUMENTS. THIS CONTRACTOR SHOULD READ AND UNDERSTAND SAME.

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- 3. Drawings work on this project as described in these specifications is shown on drawings of sheets appropriately titled and plot plan.
- SUBMISSION OF BID CONTRACTOR SHALL SUBMIT BID AS DIRECTED TO THE OWNER'S AGENT AT THE TIME SPECIFIED. THE BID SHALL CONTAIN A STATEMENT
- INVESTIGATION OF CONDITIONS THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND FAMILIARIZE HIMSELF WITH ALL AVAILABLE INFORMATION CONCERNING THE NATURE OF LOCAL CONDITIONS BEARING ON TRANSPORTATION, HANDLING AND STORAGE OF MATERIALS. THE ELECTRICAL CONTRACTOR SHALL MAKE HIS OWN ESTIMATE OF THE FACILITIES NEEDED AND DIFFICULTIES ATTENDING THE EXECUTION OF THE CONTRACT, INCLUDING LOCAL
- 6. CONTRACTUAL RELATIONSHIP WITH OWNER UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL SAVE HARMLESS THE OWNER AND HIS AGENTS FROM
- NATIONAL ELECTRICAL CODE ENTIRE INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL ELECTRICAL CODE.
- 8. SAFETY THIS ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS OF THE LABOR BOARD AND SHALL TAKE SPECIAL PRECAUTION DURING THE CONSTRUCTION TO AVOID ANY EXPOSED LIVE PARTS. WHEN WORKING ON LIVE EQUIPMENT, THE CONTRACTOR SHALL GIVE OTHER TRADES ADEQUATE WARNING AND PROVIDE ADEQUATE PROTECTION AND WARNING FOR OTHERS.
- 9. FIELD MEASUREMENTS THE ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD. ALL MEASUREMENTS NECESSARY FOR HIS WORK AND SHALL ASSUME
- 10. EXISTING SYSTEMS AND EQUIPMENT PORTIONS OF EXISTING SERVICES, CABLES, CONDUITS, PANELS OR EQUIPMENT MAY BE REUSED AND/OR ALTERED. SEE
- 11. TESTS AND ENERGIZING AFTER THE ELECTRICAL INSTALLATION IS COMPLETE, THIS CONTRACTOR SHALL TEST ALL CIRCUITS, BUSSES AND EQUIPMENT AND VERIFY TO ENSURE THAT THEY ARE FREE FROM GROUNDS AND SHORT CIRCUITS BEFORE ENERGIZING. ALL 600-VOLT CABLE SHALL BE TESTED USING MEGOHMETER. CABLES OF HIGHER VOLTAGE RATING SHALL BE TESTED USING A D.C. HIGH POTENTIAL TESTER. EQUIPMENT SHALL BE ENERGIZED ONLY AFTER SAID TESTS HAVE BEEN CONDUCTED AND TEST RESULTS EVALUATED.
 - a. INTENT IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE 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, INSTALLATION SHALL BE EXECUTED SO AS TO CONTRIBUTE TO EFFICIENCY OF OPERATION, MINIMUM MAINTENANCE, ACCESSIBILITY AND SIGHTLINESS. THE INSTALLATION SHALL CONFORM AND ACCOMMODATE ITSELF TO THE BUILDING STRUCTURE, ITS EQUIPMENT AND ITS USAGE. NO PIPING OR EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER AS TO INTERFERE WITH THE OPERATION OF ANY DOORS OR WINDOWS. REQUIREMENTS SPECIFIED HEREIN SHALL GOVERN APPLICABLE PORTION OF MECHANICAL AND ELECTRICAL SECTIONS WHETHER SO STATED HEREIN OR NOT.
 - b. REGULATIONS AND CERTIFICATES ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH RULES AND REGULATIONS OF LOCAL AND STATE authorities having jurisdiction over such work, utility companies operating where apparatus is being installed, national fire PROTECTION ASSOCIATION, IEEE AND INSURANCE COMPANIES. WHERE DISCREPANCIES OCCUR BETWEEN ABOVE REGULATIONS AND THESE PLANS AND SPECIFICATIONS, REQUIREMENTS OF THE REGULATIONS SHALL TAKE PRECEDENCE, EXCEPT THAT THESE SPECIFICATIONS SHALL BE MINIMUM REQUIREMENTS AND THAT NO CHANGES SHALL BE MADE WITHOUT APPROVAL OF THE ENGINEER. COMPLETE APPROVAL OF ALL ABOVE MENTIONED AUTHORITIES SHALL BE SECURED AND THEIR CERTIFICATES OF APPROVAL SHALL BE DELIVERED TO THE OWNER BEFORE FINAL ACCEPTANCE. ANY AND ALL DRAWINGS OR DOCUMENTS REQUIRED (IN ADDITION TO CONTRACT DRAWINGS) SHALL BE FURNISHED IN ORDER TO SECURE
 - c. Drawings and measurements contract drawings for mechanical and electrical work are in part diagrammatic, intended to cover THE GENERAL DESIGN AND EXTENT OF THE SYSTEMS AND INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, CONDUITS, PIPING AND APPROXIMATE SIZES AND LOCATIONS OF EQUIPMENT AND OUTLETS. DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGHING-IN MEASUREMENTS NOR TO SERVE AS SHOP DRAWINGS. WHERE DRAWINGS ARE REQUIRED FOR THESE PURPOSES OR HAVE TO BE MADE FROM FIELD MEASUREMENTS, THEY SHALL BE PREPARED BY THE VARIOUS TRADES AND COORDINATED BY THE CONTRACTOR. WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES FROM INDICATED LOCATIONS AND ARRANGEMENTS. SUCH CHANGES SHALL BE MADE WITHOUT COST TO THE OWNER, EXACT LOCATIONS OF ALL GRILLES, REGISTERS, PLUMBING FIXTURES, ELECTRICAL FIXTURES, PANELBOARDS, ETC., SHALL BE GOVERNED BY PLANS,
 - d. RECORD DRAWINGS DURING THE COURSE OF CONSTRUCTION THE RESPECTIVE CONTRACTOR SHALL KEEP A CAREFUL RECORD (IN DRAWING FORM) OF ALL DEVIATIONS FROM THE WORK AS SHOWN ON THE CONTRACT DRAWINGS ON THE INSTALLATION OF PIPES, DUCTS, ELECTRIC OUTLETS, EQUIPMENT, INVERT ELEVATIONS, ETC. THESE DRAWINGS SHALL BE DELIVERED TO THE ENGINEER BEFORE THE FINAL CERTIFICATE OF PAYMENT IS
 - e. ACCESSIBILITY LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED OR MAINTAINED, IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE BUT NOT BE LIMITED TO VALVES, TRAPS, CLEANOUTS, MOTORS, CONTROLLERS, DRAIN POINTS, ETC. FURNISH ACCESS DOORS WHERE REQUIRED. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY, BUT CHANGES OF MAGNITUDE OR WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
 - f. QUIET OPERATION ALL WORK SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT ANY SOUND OR VIBRATION WHICH IS OBJECTIONABLE IN THE OPINION OF THE ENGINEER. IN CASE OF MOVING MACHINERY, SOUND OR VIBRATION NOTICEABLE OUTSIDE OF ROOM IN WHICH IT IS INSTALLED OR ANNOYINGLY NOTICEABLE INSIDE ITS OWN ROOM WILL BE CONSIDERED OBJECTIONABLE BY THE ENGINEER SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE LATTER'S EXPENSE.
 - g. COVERING OF WORK NO PIPE FITTINGS OR OTHER WORK OF ANY KIND SHALL BE COVERED UP OR HIDDEN FROM VIEW BEFORE IT HAS BEEN EXAMINED OR APPROVED BY THE ENGINEER OR OTHER AUTHORITY HAVING JURISDICTION. ANY UNFAITHFUL OR IMPEREECT WORK OR MATERIAL WHICH MAY BE DISCOVERED SHALL BE REMOVED AND CORRECTED IMMEDIATELY BEFORE BEING CONDEMNED, AND OTHER WORK AND MATERIALS SHALL BE FURNISHED WHICH SHALL BE SATISFACTORY TO THE ENGINEER.
 - h. GUARANTEE THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS, PERFORMANCE FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATE OF COMPLETION AND ACCEPTANCE OF HIS WORK. THE CONTRACTORS SHALL PROMPTLY CORRECT ANY DEFECTS UPON NOTICE FROM THE OWNER TO DO SO, WITHOUT COST TO THE OWNER.
 - WATERPROOFING WHERE ANY WORK PIERCES WATERPROOFING, THE INSTALLATION SHALL BE AS APPROVED BY THE ENGINEER. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL NECESSARY SLEEVES. CAULKING AND FLASHING AS REQUIRED TO MAKE THE OPENINGS ABSOLUTELY WATERTIGHT.
 - FIRE STOPPING-ALL PENETRATIONS THROUGH FIRE AND SMOKE RATED WALLS, FLOORS AND CEILINGS SHALL BE THOROUGHLY SEALED WITH 3M
 - k. EQUIPMENT RETURNS AS PART OF THIS CONTRACT, CONTRACTORS SHALL ENSURE THAT SUPPLIERS OF ANY AND ALL EQUIPMENT SUPPLIED FOR THIS PROJECT AGREE TO ACCEPT THE RETURN OF ANY EQUIPMENT ON THIS PROJECT THAT IS IN UNDAMAGED CONDITION AND HAS NOT BEEN PUT
 - COORDINATION OF TRADES IT IS UNDERSTOOD THAT COORDINATION BETWEEN ALL OF THE TRADES ON THIS PROJECT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER (IF ANY), THE GENERAL CONTRACTOR (IF ANY) AND THE TRADES THEMSELVES. THIS COORDINATION WILL INCLUDE MEETINGS AND DISCUSSIONS AS NEEDED AMONG THE PARTIES NOTED ABOVE, AND PREPARATION OF COORDINATION DRAWINGS AS NEEDED. THE COST OF THIS COORDINATION WORK SHALL BE INCLUDED IN THE CONTRACTORS' BIDS. IT IS NOT THE RESPONSIBILITY OF THE ENGINEER TO PERFORM THIS COORDINATION. NO EXTRA CHARGES WILL BE PAID TO ANY CONTRACTOR THAT IS DUE TO ADDITIONAL WORK BEING PERFORMED DUE
 - m. BUILDING SERVICES SHUTDOWNS ALL BUILDING SERVICES SHUTDOWNS, INCLUDING ELECTRIC, GAS, WATER, AND TELEPHONE UTILITIES, AND HVAC, SPRINKLER. AND PLUMBING SYSTEMS IN EXISTING BUILDINGS. FOR THE PURPOSE OF PERFORMING CUTOVERS AND TIE-INS OF NEW SYSTEMS. SHALL BE STRICTLY COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES AND THE BUILDING OWNER. FOR WORK IN EXISTING BUILDINGS, IT WILL BE REQUIRED TO PERFORM THIS WORK OUTSIDE OF NORMAL BUILDING OPERATION HOURS AND THE COST FOR THIS IS TO BE INCLUDED IN
- DESCRIPTION OF SYSTEM FURNISH AND INSTALL FIRE ALARM EQUIPMENT CONNECTED TO THE EXISTING SYSTEM. THE NEW EQUIPMENT SHALL CONFORM TO
 - a. NFPA-70 NATIONAL ELECTRICAL CODE, LATEST EDITION.
 - ALL WORK TO BE PERFORMED BY QUALIFIED PERSONNEL OF THE CONTRACTOR EXPERIENCED IN SUCH WORK.
- 2. WIRING MINIMUM WIRE SIZE SHALL BE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. (NO WIRE SMALLER THAN 18-GAUGE WILL BE APPROVED). USE UL LISTED WIRE ONLY. ALL WIRING SHALL BE CONCEALED IN WALLS OR IN CONDUIT WHERE EXPOSED AT THE CEILING.

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3. EQUIPMENT — THE SYSTEM COMPONENTS SHALL BE AS INDICATED ON PLANS.

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g. HORN STROBES SHALL BE ADA COMPLIANT AND SHALL BE INSTALLED TO COMPLY WITH SAME.

- 1. APPLICABLE CODES THE ENTIRE INSTALLATION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE FOLLOWING PARTIES HAVING JURISDICTION:
 - NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTIONS ASSOCIATION, LATEST EDITION.
 - STATE CODES, LOCAL ELECTRICAL CODES AND OTHER REGULATIONS OF MUNICIPALITY.
 - c. "SPECIFICATIONS FOR ELECTRICAL INSTALLATIONS" ISSUED BY SUPPLYING ELECTRIC UTILITY COMPANY.
 - d. TELEPHONE COMPANY STANDARDS.
- 2. PERMITS CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL UTILITY COMPANY ORDINANCES, CONTRACTOR SHALL COOPERATE WITH UTILITY COMPANIES ON ELECTRIC AND TELEPHONE INSTALLATIONS. CONTRACTOR SHALL OBTAIN APPROVAL OF ALL UTILITIES ON SERVICE ENTRANCES.
- 3. CERTIFICATE OF INSPECTION UPON COMPLETION, THE ELECTRICAL CONTRACTOR SHALL FURNISH A CERTIFICATE OF FINAL INSPECTION TO THE OWNER FROM THE FIRE UNDERWRITERS COVERING ALL ELECTRICAL INSTALLATIONS IN THESE PLANS AND SPECIFICATIONS IN HIS CONTRACT. THE COST OF SAID INSPECTION SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 4. ELECTRIC UTILITY COMPANY STANDARDS ENTIRE INSTALLATION SHALL CONFORM TO ALL RULES AND REGULATIONS FOR SERVICE AS ISSUED BY THE UTILITY
- 5. LAWS, ORDINANCES AND FEES THIS CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL TAXES, FEES AND OTHER DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL LOCAL, COUNTY, NEW YORK AND/OR STATE OF NEW YORK DEPARTMENTS, HAVING JURISDICTION; OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE ENGINEER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. THIS CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) WHICH ARE NECESSARY IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WHETHER OR NOT SHOWN ON DRAWINGS AND/OR SPECIFIED. WITH SUBMISSION OF BID, THE ELECTRICAL CONTRACTORS SHALL GIVE WRITTEN NOTICE TO THE ENGINEER OF ANY MATERIALS OR EQUIPMENT BELIEVED INADEQUATE OR UNSUITABLE IN VIOLATION OF LAWS. ORDINANCES. RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION AND ANY NECESSARY ITEMS OF WORK OMITTED. IN THE ABSENCE OF SUCH WRITTEN NOTICE, IT IS MUTUALLY AGREED THAT THIS CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL, AND THAT HE WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.
- 6. O.S.H.A. ALL WORK ON THIS PROJECT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FEDERAL STATUTES SUCH AS THE OCCUPATIONAL SAFETY AND HEALTH ACT (1970).

MATERIALS, WORKMANSHIP AND GUARANTEE

- 1. MATERIALS STANDARDS ALL MATERIALS SHALL BE NEW AND COMPLY WITH THE BEST ACCEPTED INDUSTRY STANDARDS AND SHALL BEAR THE UNDERWRITERS' LABORATORIES (UL) SEAL OF APPROVAL. ALL MATERIAL SHALL BE OF SUCH QUALITY AND DIMENSIONS SPECIFIED AND SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN STANDARDS ASSOCIATION, NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION, I.E.E.E., AND UNDERWRITER'S LABORATORIES. IN ANY CONFLICT. THE ENGINEER SHALL BE SOLE JUDGE OF WHETHER OR NOT THESE CONDITIONS ARE MET OR WHETHER THE "OR EQUAL" CLAUSE IS MET. ALL CONDUCTORS ON ENTIRE PROJECT SHALL BE COPPER. ABBREVIATIONS IN THE PLANS AND SPECIFICATIONS MAY BE USED AS FOLLOWS:
- EMT "ELECTRO METALLIC TUBING" THIN WALL CONDUIT.
- GIC "GALVANIZED IRON CONDUIT" HEAVY WALL CONDUIT.
- PVC "POLYVINYL CHLORIDE" SCHEDULE 40 OR 80 CONDUIT AS SPECIFIED.

SAMPLES — CONTRACTOR MAY BE REQUIRED TO SUBMIT SAMPLE OF ALL MATERIALS USED TO THE ENGINEER. MATERIALS MAY BE REJECTED ANY TIME DURING PROJECT IF INSTALLED WITHOUT PRESENTING SAMPLES, IF FOUND TO BE NOT EQUAL TO THE QUALITY SPECIFIED IN ITS CATEGORY. THE ENGINEER SHALL BE THE SOLE JUDGE OF THIS MATTER.

- 2. APPEARANCE OF WORK ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT MECHANICAL APPEARANCE AND LEAVE THE INSTALLATION IN PROPER
- 3. GUARANTEE THE CONTRACTOR SHALL REPLACE ANY WORK OR MATERIAL WHICH DEVELOPS DEFECTS FROM ORDINARY WEAR AND TEAR WITHIN ONE YEAR OF THE DATE OF THE FINAL CERTIFICATE OF APPROVAL. REPLACEMENT SHALL BE MADE WITHOUT COST TO THE OWNER.
- 4. LAYOUT, CUTTING AND PATCHING THE ELECTRICAL CONTRACTOR SHALL LAYOUT ALL CONDUITS, BOX LOCATIONS, ETC., IN ADVANCE OF POURING CONCRETE OR INSTALLATION OF WALLS. ANY CUTTING OR PATCHING REQUIRED BECAUSE OF THE CONTRACTOR'S NEGLECT TO PROPERLY LAY OUT THE WORK SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER TO ASSURE A WORKMANLIKE JOB. CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON PLANS AND SHALL BE RESPONSIBLE FOR DIMENSIONS AND CONDUIT SIZES TO ASSURE ADEQUATE SIZING WHERE LARGER CONDUITS ARE INSTALLED TO PROVIDE FOR MORE THAN ONE CIRCUIT PER CONDUIT. CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS ON LOCATIONS OF FACILITIES WHERE CONFLICTS OF LOCATION ARISE.
- 5. SHOP DRAWINGS AND SAMPLES BEFORE ORDERING MATERIAL SHIPPED TO THE JOB, SUBMIT TO ENGINEER SIX COPIES OF SHOP DRAWINGS FOR REVIEW

ALL EQUIPMENT SHOWN ON LEGEND AND SCHEDULE

CONDUIT & WIRE

JUNCTION BOXES

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ELECTRICAL CONTRACTOR SHALL ALSO FURNISH SAMPLES OF WIRE. CABLE. PLUG RECEPTACLES. LIGHT SWITCHES. DISCONNECT SWITCHES AND OTHER SMALL PARTS AS REQUESTED BY THE ENGINEER.

- 6. RIGID STEEL CONDUIT AND EMT ALL RIGID STEEL CONDUIT SHALL BE FULL WEIGHT STANDARD I.P.S. GALVANIZED OR SHERADIZED THREADED CONDUIT EQUAL TO NATIONAL ELECTRIC PRODUCTS COMPANY "SHERADUCT" OR APPROVED EQUAL, AND NO CONDUIT SMALLER THAN 3/4" IN SIZE SHALL BE USED ON ANY PART OF THE INSTALLATION, RIGID STEEL CONDUIT SHALL BE USED IN FLOOR SLAB AND ON ALL MAIN FEEDERS TO LIGHT PANELS, POWER PANELS, ETC. ALL CONDUITS, WHERE LOCATED IN OUTSIDE WALLS, UNDERGROUND OR UNDERFLOORS, SHALL HAVE JOINTS REDLEADED. CONDUITS BURIED UNDERGROUND, CHASED IN ROOF PLANKING OR IN SLAB ON GRADE SHALL BE PAINTED WITH TWO COATS OF ASPHALTUM PAINT. CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET, AND FROM OUTLETS TO CABINETS, JUNCTION OR PULL BOXES AND SHALL ENTER AND BE SECURED TO ALL BOXES IN SUCH A MANNER THAT EACH SYSTEM SHALL BE ELECTRICALLY CONTINUOUS FROM SERVICE TO ALL OUTLETS. TERMINALS OF ALL CONDUITS SHALL BE FURNISHED WITH DOUBLE LOCKNUTS AND BUSHINGS. CHANGES IN DIRECTION OF CONDUIT WHERE CONCEALED SHALL BE MADE BY MEANS OF STANDARD RADIUS BEND, AND WHERE EXPOSED BY MEANS OF CROUSE-HINDS OR EQUAL GALVANIZED OR SHERADIZED THREADED CONDUITS. ARMORED CABLE SHALL BE USED ONLY FOR SHORT CONNECTIONS TO FRACTIONAL HORSEPOWER UTILITY MOTORS. ELECTRICAL METALLIC TUBING MAY BE PERMITTED ON EXPOSED CEILING WORK AND FOR CONCEALED BRANCH CIRCUIT WIRING WHERE NOT INSTALLED IN SLAB CONSTRUCTION.
- JUNCTION AND PULL BOXES JUNCTION OR PULL BOXES SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS WHERE INDICATED ON THE DRAWINGS, WHEREVER ELSE SUCH A BOX MAY BE DEEMED NECESSARY TO FACILITATE THE PULLING OR SPLICING OF WIRES OR CABLES. ALL SUCH BOXES MUST BE ACCESSIBLE AND SHALL BE BUILT ONLY FROM APPROVED DETAIL WORKING DRAWINGS. CONDUITS SHALL ENTER THESE BOXES THROUGH TIGHT FITTING CLEARANCE HOLES. COVERS FOR THE BOXES SHALL BE DESIGNED FOR QUICK REMOVAL. WHERE JUNCTION BOXES ARE REQUIRED FOR SPLICING BOX FOR SPECIAL RECESSED FIXTURES, CONSULT THE ENGINEER BEFORE INSTALLING AND DETERMINE EXACT LOCATION OF EACH BOX. EACH FEEDER PASSING THROUGH A PULL BOX SHALL BE TAGGED WITH TAG OF FIREPROOF MATERIAL, OR DESIGNATED IN ANOTHER APPROVED MANNER. GENERALLY, JUNCTION BOXES AND PULL BOX SHALL NOT BE EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE CONDUITS OR MAKE OTHER ARRANGEMENTS TO MEET APPROVAL OF ENGINEER.

ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT

- 1. GENERAL THIS CONTRACTOR SHALL DO ALL POWER WIRING REQUIRED FOR MECHANICAL MOTORS AND PUMPS INCLUDING MOUNTING OF SWITCHES AND STARTERS, AS WELL AS WIRING OF SAME.
- 2. OVERCURRENT PROTECTION AND DISCONNECT SWITCHES. THE CONTRACTOR SHALL FURNISH AND INSTALL OVERCURRENT PROTECTION AND DISCONNECTING MEANS AS REQUIRED BY NEC FOR ALL MOTORS. MOTOR DRIVEN EQUIPMENT SPECIFIED UNDER PLUMBING AND HVAC SECTIONS MAY BE FACTORY WIRED COMPLETE WITH CONTROLLER MOTOR DISCONNECTS: THEREFORE. THIS CONTRACTOR SHOULD CHECK EQUIPMENT PURCHASED UNDER THESE SECTIONS TO AVOID DUPLICATION OF PROTECTIVE AND DISCONNECTING MEANS. THIS CONTRACTOR SHALL CONNECT, READY FOR OPERATION, MOTORS AND CONTROL APPARATUS SPECIFIED UNDER OTHER SECTIONS UNLESS SPECIFICALLY MENTIONED AS BEING CONNECTED UNDER SUCH SECTION. EACH MOTOR SHALL BE PROVIDED WITH AN ENCLOSED SAFETY SWITCH HAVING QUICK-MAKE AND QUICK-BREAK CONTACTS. THE DISCONNECTING SWITCH SHALL OPEN ALL UNGROUNDED CONDUCTORS SIMULTANEOUSLY AND SHALL HAVE A RATING EQUAL TO, OR IN EXCESS OF THE MOTOR CONTROL.

PANELS AND APPURTENANCES

- 1. DESCRIPTION OF SYSTEM SYSTEM SHALL CONSIST OF SINGLE PHASE, THREE WIRE AND THREE PHASE, FOUR WIRE CIRCUIT BREAKER PANELS LOCATED AS
- 2. CIRCUIT BREAKERS CIRCUIT BREAKERS SHALL BE EQUIPPED WITH INDIVIDUALLY INSULATED, RACED AND PROTECTED CONNECTORS. TRIPPED INDICATION SHALL BE CLEARLY SHOWN BY THE BREAKER HANDLE TAKING A POSITION BETWEEN "ON" AND "OFF".
- INTEGRATED EQUIPMENT RATING EACH PANELBOARD, AS A COMPLETE UNIT, SHALL HAVE A RATING AS FOLLOWS: 480 PANELS: 22,000 AIC, 208 PANELS: 10,000 AIC. SUCH RATING SHALL BE ESTABLISHED BY TEST WITH THE CIRCUIT BREAKER MOUNTED ON THE PANELBOARD. THE SHORT CIRCUIT TESTS ON THE CIRCUIT BREAKER AND ON THE PANELBOARD STRUCTURE SHALL BE MADE SIMULTANEOUSLY CONNECTED TO ITS RATED VOLTAGE SOURCE. METHOD OF TESTING SHALL BE PER PRO—RATINGS. THE SOURCE SHALL BE CAPABLE OF SUPPLYING THE SPECIFIED PANELBOARD SHORT CIRCUIT CURRENT OR GREATER. TEST DATA SHOWING THE COMPLETION OF SUCH TESTS UPON THE ENTIRE RANGE OF DISTRIBUTION AND POWER PANELBOARD TO BE FURNISHED SHALL BE SUBMITTED TO THE ENGINEER, IF REQUESTED BY HIM, WITH OR BEFORE THE SUBMITTAL OR APPROVAL DRAWINGS. TESTING OF PANELBOARD CIRCUIT BREAKERS FOR SHORT CIRCUIT RATING ONLY WITH THE BREAKER INDIVIDUALLY MOUNTED IS NOT ACCEPTABLE. ALSO, TESTING OF THE BUS STRUCTURE BY APPLYING A FIXED FAULT

TO THE BUS STRUCTURE ALONE IS NOT ACCEPTABLE. PANEL BOARDS SHALL BE LISTED BY UNDERWRITERS' LABORATORIES AND SHALL BEAR UL LABEL.

- WIRING METHOD ALL PANEL FEEDERS SHALL BE COPPER THWN OR THHN INSULATED IN GALVANIZED CONDUIT AS SHOWN ON ONE LINE DRAWING FROM MAIN SERVICE TO ALL PANELS. INSTALL CONDUCTORS IN SAID CONDUIT AS SHOWN. CONDUIT TYPE SHALL BE AS DESIGNATED ON ONE LINE DIAGRAM.
- 4. FUSES ALL FUSES SHALL BE OF THE SAME MANUFACTURER. FUSES SHALL NOT BE INSTALLED UNTIL EQUIPMENT IS TO BE ENERGIZED. ALL FUSES SHALL BE A 200,000-AMPERE RMS SYMMETRICAL INTERRUPTING RATING UNLESS SPECIFIED OTHERWISE. FUSES, 0 TO 600 AMPERE-SHALL BE UL CLASS RII, DUAL ELEMENT WITH PURE SILVER SHORT-CIRCUIT LINKS ON RATINGS ABOVE 60 AMPERES. FUSES SHALL BE BUSSMAN LOW PEAK DUAL-ELEMENT FUSE, LPN-RK (250 VOLT) OR LPS-RK (600 VOLT).

INDIVIDUAL EQUIPMENT CIRCUITS

- DESCRIPTION AND LOCATION INSTALL INDIVIDUAL EQUIPMENT CIRCUITS AS SHOWN ON DRAWINGS.
- 2. WIRING METHOD INSTALL ALL INDIVIDUAL EQUIPMENT CIRCUITS WITH TYPE THHN COPPER CONDUCTORS IN CONDUIT. TYPE MC (BX) INSULATED COPPER CONDUCTORS MAY BE UTILIZED FOR DROP WHIPS FROM JUNCTION BOX TO DEVICE, UNLESS OTHERWISE NOTED. CONNECT AND TEST. FURNISH AND INSTALL ALL WIRING AND FURNISH AND INSTALL DISCONNECT SWITCHES ON EQUIPMENT FURNISHED AND INSTALLED BY OTHERS.
- 3. MECHANICAL EQUIPMENT ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER WIRING, DISCONNECT SWITCHES AND CONNECTIONS AS REQUIRED TO ALL MECHANICAL EQUIPMENT, FLECTRICAL CONTROL SYSTEMS OF ALL HVAC AND PLUMBING EQUIPMENT SHALL BE FURNISHED BY RESPECTIVE CONTRACTORS. RESPECTIVE CONTRACTORS SHALL HIRE, AS NECESSARY, LICENSED ELECTRICIANS TO PERFORM CONTROL WORK REQUIRING SAME. MOTOR STARTING SHALL BE FURNISHED BY RESPECTIVE CONTRACTORS FOR INSTALLATION BY ELECTRICAL CONTRACTOR.

GENERAL PURPOSE BRANCH CIRCUITS

- 1. DESCRIPTION INSTALL GENERAL-PURPOSE BRANCH CIRCUITS AS SHOWN.
- 2. WIRING METHOD NO WIRE SIZE SMALLER THAN #12 AWG COPPER SHALL BE USED AND ONLY COPPER SHALL BE USED. NO CONDUIT SMALLER THAN 3/4" SHALL BE USED. ALL BOXES SHALL BE 4" SQUARE OR LARGER AND MINIMUM DEPTH OF 1-1/2". ALL CONDUITS AND BOXES SHALL BE CONCEALED IN ALL AREAS EXCEPT MECHANICAL ROOMS, PIPE TUNNEL AND STORAGE AREAS. METALLIC ARMORED CABLE MAY BE USED AT LOCATIONS SHOWN ON DRAWINGS AND FOR WHIPS TO BRANCH DEVICES. ALL CIRCUITS INSTALLED IN FLOOR SLAB SHALL BE RIGID GALVANIZED IRON CONDUIT. ALL CONDUITS INSTALLED IN OR BELOW ANY CONCRETE SHALL BE RIGID GALVANIZED IRON CONDUIT AND COATED WITH "BITUMASTIC". ALL JUNCTION BOXES SHALL BE SIZED AS PER N.E.C. REQUIREMENTS. PROVIDE SWING COVER OR SCREW AS SHOWN OR DICTATED BY USAGE, ALL JUNCTION BOXES SHALL BE CODE GRADE STEEL GALVANIZED. ALL JUNCTION BOXES SHALL BE ACCESSIBLE. ELECTRICAL CONTRACTOR IS REQUIRED TO PROVIDE AND INSTALL ACCESS DOORS OR PANELS FOR SAME UNLESS OTHERWISE NOTED. IT IS NOTED THAT THE HEREINBEFORE—DESCRIBED WIRING METHOD IS APPLICABLE TO VARIOUS OTHER SIGNAL SYSTEMS AS WELL AS GENERAL PURPOSE CIRCUITS AS HEREIN DESCRIBED.

LIGHTING AND EQUIPMENT

- DESCRIPTION AND GUARANTEE ALL MATERIAL SHALL BE NEMA STANDARD MANUFACTURED AND SHALL BE UNDERWRITERS LABORATORIES APPROVED AND SHALL BEAR THAT SEAL OF APPROVAL. CONTRACTOR SHALL FURNISH AND INSTALL ALL LAMPS OF TYPES AND SIZES AS DESCRIBED IN THE SCHEDULE OF ELECTRICAL EQUIPMENT TO THE MAXIMUM SIZE PERMITTED BY THE FIXTURE DESIGN. EQUIPMENT SHALL BE TESTED AND RENDERED OPERATIVE BY THE CONTRACTOR.
- LIGHTING FIXTURE SCHEDULE THE CONTRACTOR SHALL FURNISH AND INSTALL THE LIGHTING FIXTURES COMPLETE FOR EACH AND EVERY LIGHT OUTLET IN THE TYPE, QUALITY AND SIZE OF FIXTURE INDICATED AS DESCRIBED IN THE SCHEDULE. THIS CONTRACTOR SHALL INCLUDE ALL FIXTURES, WIRING, HANGING, UNCRATING, CONNECTING UP, AND MAKING READY TO OPERATE. ALL FIXTURE WIRE FOR FIXTURES SHALL BE NOT LESS THAN #12 GAUGE, BUT LARGER IF CAPACITY OF FIXTURE REQUIRES IT. ALL SPLICES SHALL BE PRESSURE TYPE CONNECTORS AS HEREINBEFORE DESCRIBED. CONTRACTOR SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING ALL LAMPS FOR ALL FIXTURES UNDER THIS CONTRACT THROUGHOUT. ALL LAMPS FOR ALL FIXTURES SHALL BE FURNISHED IN TYPE SPECIFIED. THE ENGINEER RESERVES THE PRIVILEGE OF HAVING SAMPLES SPECIFIED LIGHTING FIXTURES MOUNTED IN PLACE IN OPERATING CONDITION FOR EVALUATION PRIOR TO FINAL APPROVAL. IN THE EVENT ANY FIXTURE TYPE IS REJECTED FOR AESTHETIC OR OTHER REASONS, THE CONTRACTOR SHALL PROCURE AND INSTALL OTHER SUITABLE FIXTURES AS DIRECTED UNTIL A SATISFACTORY APPROVAL IS GRANTED. ANY DIFFERENCE IN COST OF FIXTURES THUS APPROVED SHALL BE MUTUALLY AGREED UPON BEFORE INSTALLATION, BUT ALL WORK INVOLVED IN SAMPLE INSTALLATIONS AND FINAL APPROVAL BY THE ENGINEER SHALL BE AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 3. INSTALLATION OF LIGHTING FIXTURES FIXTURES SHALL BE COMPLETELY WIRED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. INSTALLATION OF ALL LIGHTING FIXTURES SHALL BE DONE BY EXPERIENCED MECHANICS. LIGHTING FIXTURES LAYOUT SHOWN ON PLANS IS TYPICAL LAYOUT FOR BID PURPOSES BUT MUST BE MODIFIED BY THE CONTRACTOR TO PROVIDE ADEQUATE LIGHTING OF THE EQUIPMENT SPACE ACCORDING TO FINAL CONSTRUCTION CONDITIONS. ANY RELOCATION OF FIXTURES DUE TO DUCT OR PIPING INTERFERENCE SHALL BE AS DIRECTED BY ARCHITECT, AT THE EXPENSE OF THE CONTRACTOR AND NOT BILLED TO THE OWNER.
- EMERGENCY DRIVERS PROVIDE EMERGENCY DRIVERS AS SHOWN. EMERGENCY DRIVERS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC. NFPA AND BEAR A UL LISTING. UPON INTERRUPTION OF NORMAL AC POWER, THE DRIVERS SHALL TRANSFER THE LAMP(S) TO THE INTERNAL BATTERY PROVIDING EMERGENCY LIGHTING. WHEN NORMAL POWER IS RESTORED, THE LOAD SHALL SWITCH OFF AND THE INTERNAL BATTERY SHALL BE CHARGED AS TO BE READY FOR NEXT EMERGENCY STATE.

COMPLETION OF WORK

- 1. TESTING COMPLETED INSTALLATION SHALL BE TESTED. CABLE SHALL BE TESTED WITH OHMMETER FOR GROUNDS, OPENS, INSULATION RESISTANCE. CABLE INSULATION RESISTANCE SHALL BE IN THE MEGOHM RANGE IN THE CATEGORY REQUIRED BY I.P.C.E.A. FOR THE CABLE.
- 2. ACCEPTANCE IN THE PRESENCE OF ENGINEER AND OWNER, DEMONSTRATE OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF THE OWNER.
- 3. MISCELLANEOUS PROVIDE ALL MISCELLANEOUS SPARE PARTS, DEVICES AND APPURTENANCES AS REQUIRED. INSTALL AND TEST.
- 4. CLOSE OUT
 - a. CONTRACTOR SHALL PROVIDE 2 COPIES OF ALL O&M MANUALS, WARRANTY, AND CATALOG CUT DATA IN A 3 RING BINDER, NEATLY ARRANGED, TO THE OWNER PRIOR TO THE APPLICATION OF FINAL PAYMENT.
 - b. Provide Warranty to Owner, including points of contact for warranty work for systems installation and manufacturers equipment

FINAL PAYMENT WILL NOT BE RELEASED UNTIL CONTRACT CLOSEOUT IS COMPLETE.

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Building #6

65 Parrot Road West Nyack, NY 10994

SED# 50-90-00-00-0-0	06-00
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KEY PLAN

REVIS	SIONS	
No.	Description	Date

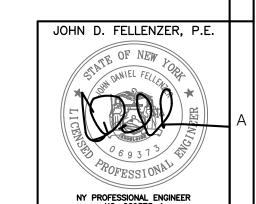
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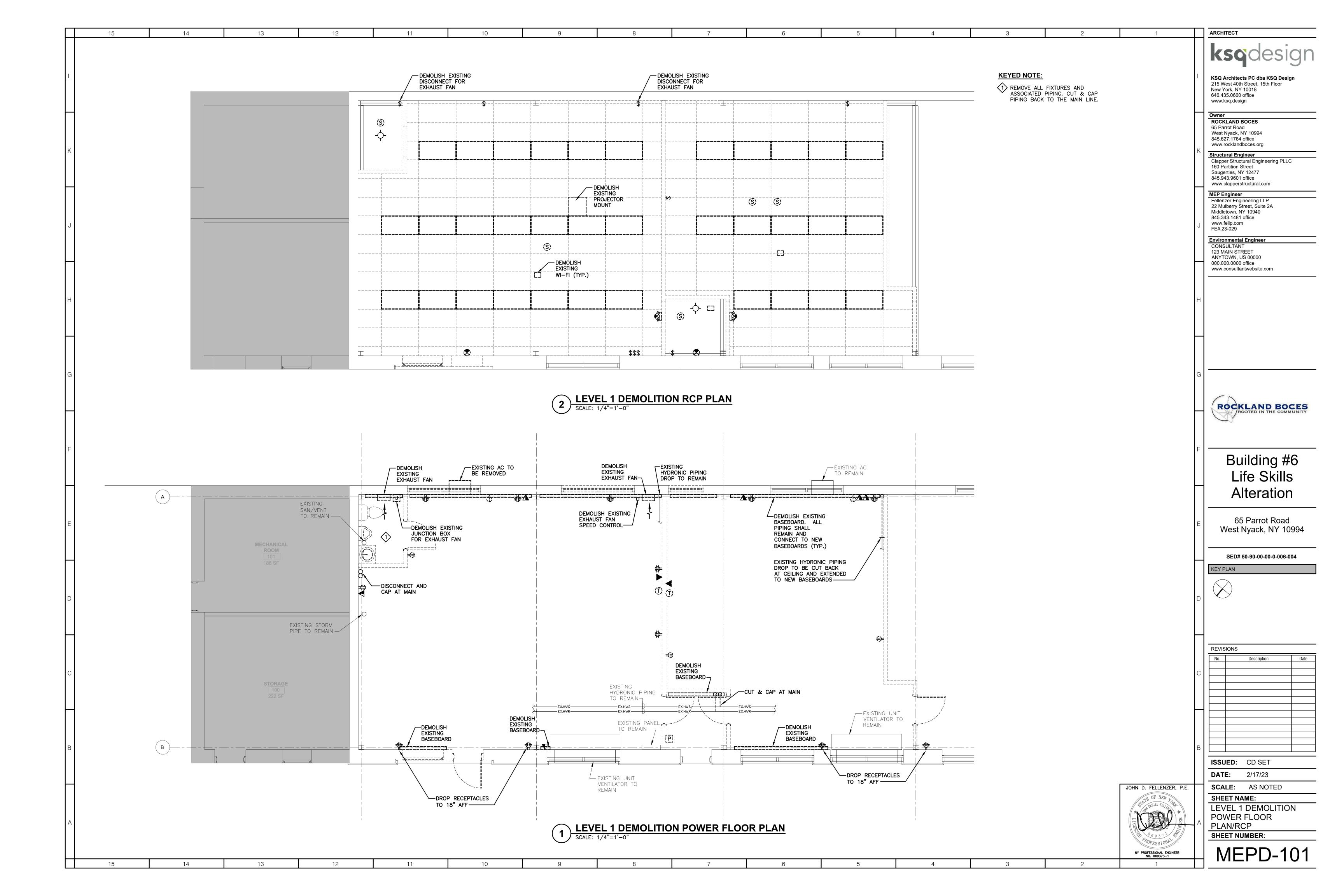
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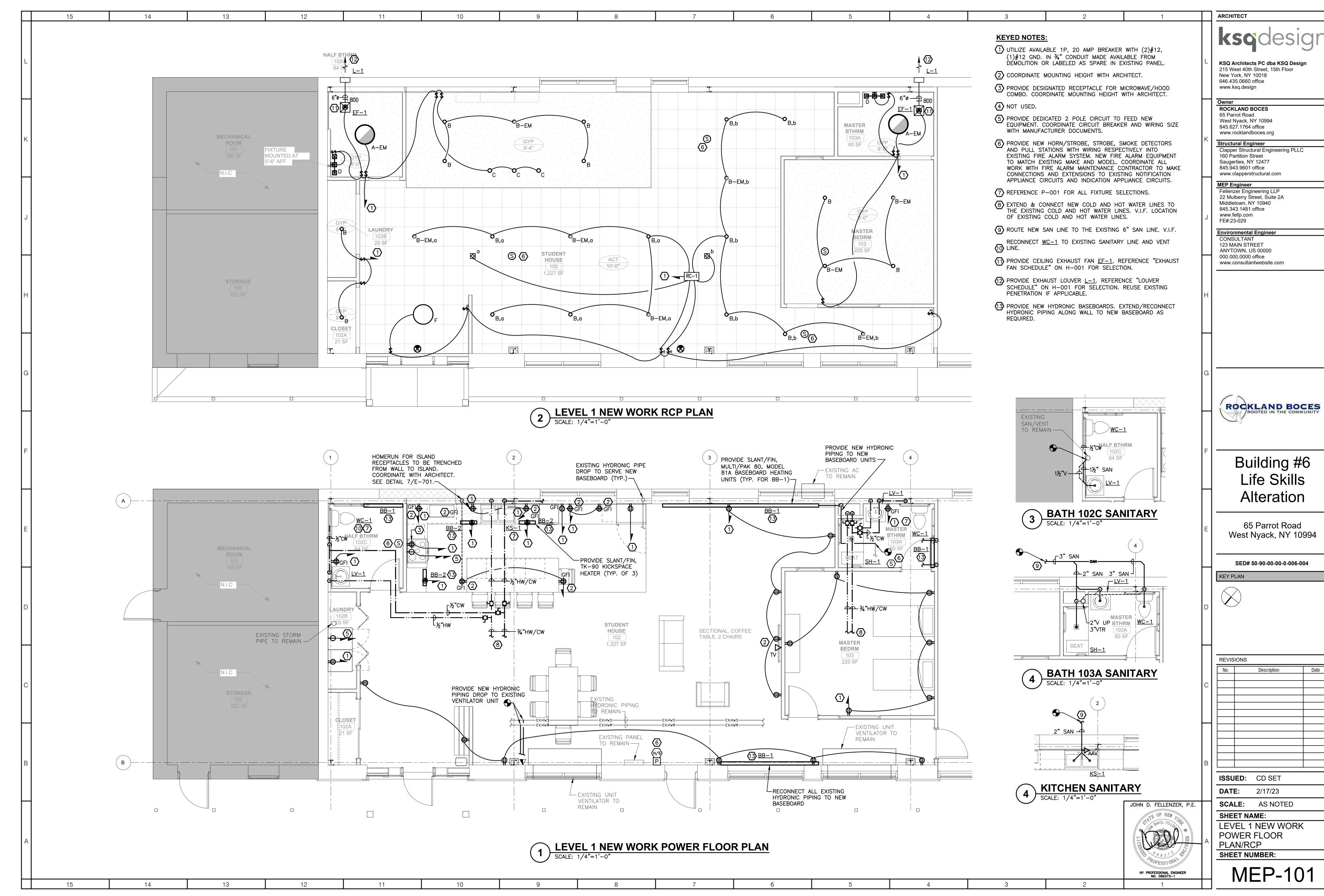
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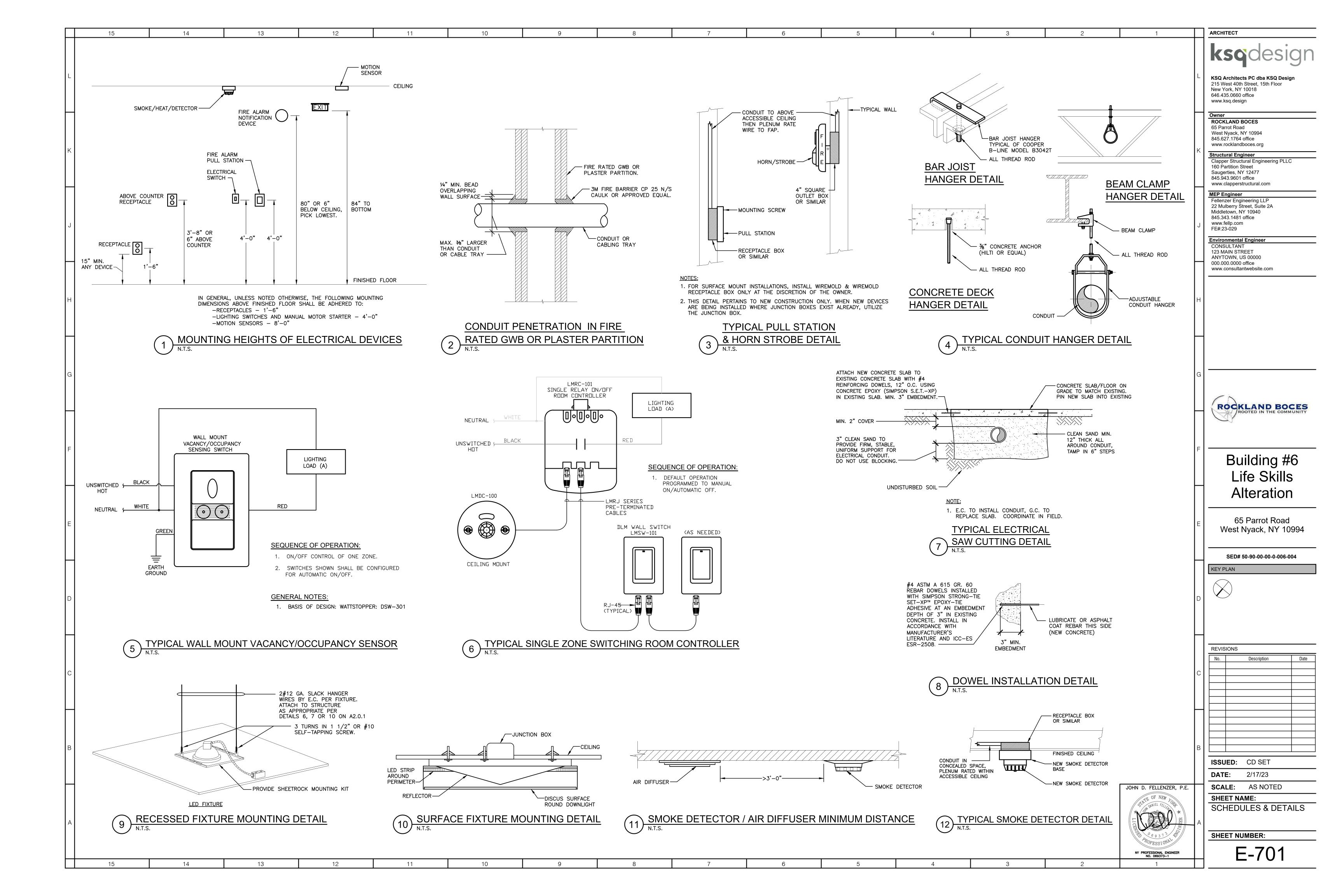
SPECIFICATIONS

SHEET NUMBER:









14

PLUMBING GENERAL NOTES:

14

1. 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.

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- 2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- 3. 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.
- 4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- 5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- 6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- 7. COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL
- 8. ALL DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
- 9. PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- 10. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- 11. PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- 12. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
- 13. 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.
- 14. 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.
- 15. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 16. 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.
- 17. 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:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- INCLUDE ALL FITTINGS, SUPPORTS AND HANGERS.
- 3. 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.
- 4. DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT OR PIPING FOR CONNECTION TO NEW WORK. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 5. 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.
- 6. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 7. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.

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8. 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.

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18. ALL AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE (EXCEPT THOSE IN KITCHEN) SHALL BE SET @

- 19. DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED BELOW THE FLOOR SHOWN (BELOW SLAB OR ABOVE CEILING OF LOWER FLOOR AS APPROPRIATE) UNLESS
- 20. ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
- 21. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
- 22. INSTALL SECTIONALIZING VALVES AT ALL MAIN 'T' ON DOMESTIC HOT & COLD
- 23. VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
- 24. WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3".
- 25. 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.
- 26. INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"-INCH THICK FOR ALL PIPE SIZES FOR THE COLD WATER PIPING.
- 27. HOT WATER PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
- 28. UNLESS OTHERWISE NOTED, ALL VALVES 2"0 & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 21/2" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT DESIGN.
- 29. PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- 30. 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.

SYMBOL MANUEACTURER CATALOG#

31. 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 GATE VALVE WITH 3/4" HOSE ADAPTER GLOBE VALVE — THREADED/FLANGED

CHECK VALVE

STRAINER

(WITH BALL VALVE & HOSE CONNECTION) STRAINER WITH VALVED DRAIN AND

QUICK-COUPLE HOSE CONNECTOR

FLEXIBLE CONNECTION ANGLE GLOBE VALVE

BUTTERFLY VALVE —løl— BALL VALVE

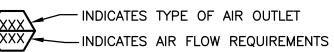
PIPING SYMBOLS

PIPE DOWN TURN PIPE RISE

GENERAL SYMBOLS

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK - INDICATES SECTION LETTER

- INDICATES DRAWING NUMBER WHERE LOCATED



PLUMBING LINE TYPES

-/-/-/-/-/- EXISTING TO BE REMOVED EXISTING TO REMAIN — ·· — ·· — ·· HOT WATER SUPPLY —SAN———— SANITARY LINE

REQUIRED FOR A COMPLETE INSTALLATION.

LEGEND AND SCHEDULE OF PLUMBING EQUIPMENT

	STIVIBUL	IVIANOFACTORER	CATALOG#	DESCRIPTION
	WC-1	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.
-	EV-1	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.
	SH-1	FREEDOM SHOWERS	APF6030BFPANC	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.
	S-1	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

ABBREVIATIONS

ABBILLIATIONS								
4AV	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)					
٩FF	ABOVE FINISHED FLOOR	HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)					
4FM	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						
CLG	CEILING	MER	MECHANICAL EQUIPMENT ROOM					
CO	CLEAN OUT	MAX.	MAXIMUM					
CR	CEILING REGISTER	мвн	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					
ID	LIODSEDOWED							

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS TABLE C403.11.3

MINIMUM PIPE INSULATION THICKNESS (IN INCHES) a,c

FLUID OPERATING	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)					
TEMPERATURE RANGE AND USAGE (°F)	CONDUCTIVITY (BTUxIN)/(HxFT²x*F)	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 SI: 1" = 25.4mm, $^{\circ}$ C = [($^{\circ}$)-32]/1.8

HORSEPOWER

a. FOR PIPING SMALLER THAN 11/2" 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". D. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS:

 $T=r[(1+t/R)^{k/k}-1]$

WHERE:

T = MINIMUM INSULATION THICKNESSr = 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**

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".

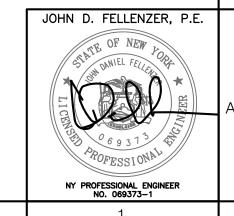
SCHEDULE OF EQUIPMENT **SERVICE PROVISIONS DESIGNATION** CW HW

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 Alteration

65 Parrot Road West Nyack, NY 10994

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

KEY PLAN

REVISIONS Description Date

ISSUED: CD SET

DATE: 2/17/23 **SCALE:** AS NOTED

SHEET NAME: SYMBOLS, NOTES & **ABBREVIATIONS**

SHEET NUMBER:

P-001

14

13

12

11

10

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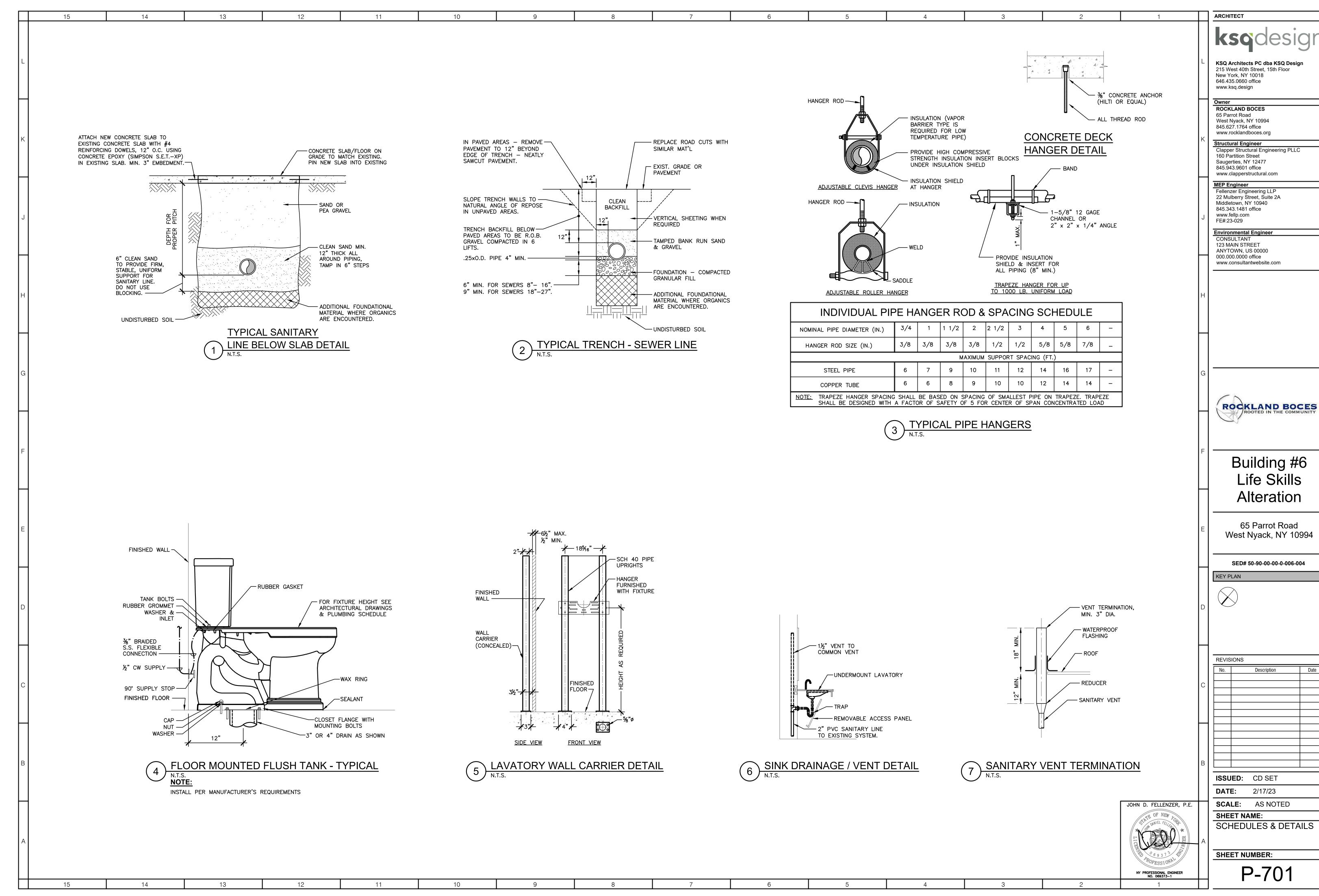
Date Description

ISSUED: CD SET **DATE:** 2/17/23

SCALE: AS NOTED

SHEET NAME: SPECIFICATIONS

SHEET NUMBER:



ROCKLAND BOCES

Date