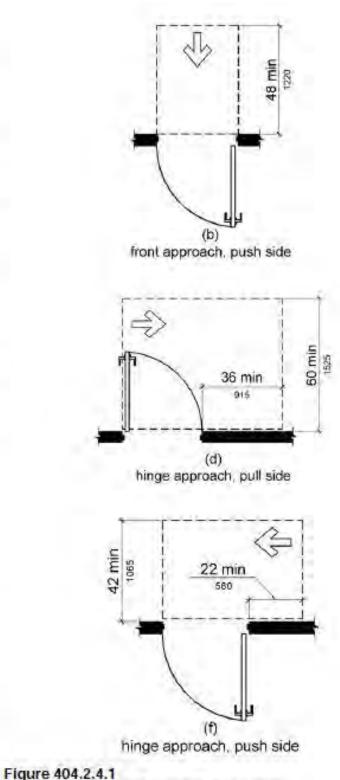
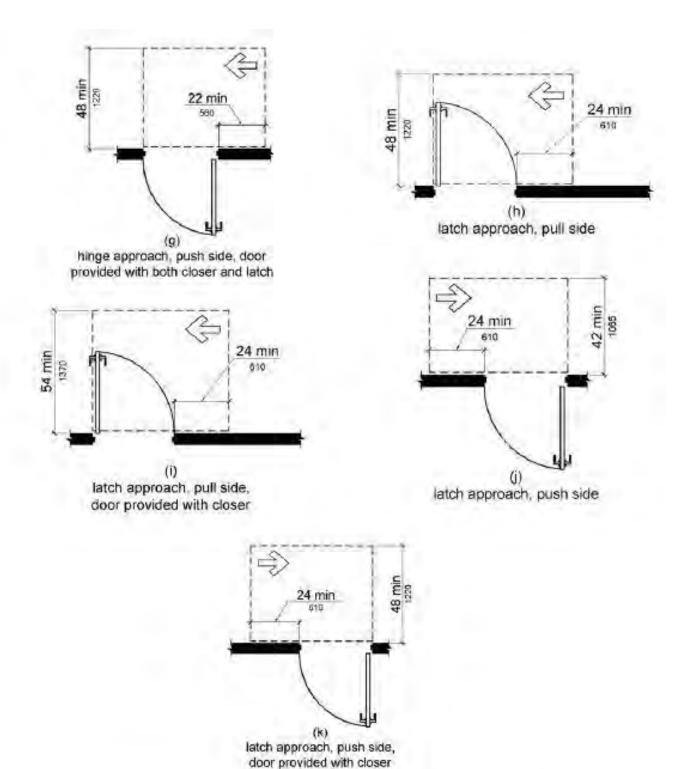


EXCERPT OF EXISTING FLOOR PLAN

′^ノ 1" = 10'-0"





Maneuvering Clearances at Manual Swinging Doors and Gates

Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

GENERAL NOTES

1. ALL WORK CALLED FOR ON THESE DOCUMENTS SHALL BE IN COMPLIANCE WITH CODES, RULES, AND REGULATIONS OF ALL FEDERAL, STATE, AND LOCAL GOVERNMENTAL AGENCIES HAVING JURISDICTION."

SUBMIT ALL REQUIRED CERTIFICATES INCLUDING INSURANCES, PERMITS, AND OTHER REQUIRED DOCUMENTATION, OUTLINED IN THE CAMPUS PROJECT REPRESENTATIVE. PROJECT MANUAL OR INDICATED ON THE BID DOCUMENTS. 3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE SHAFTS, STRUCTURAL MEMBERS, ETC. FIELD PRIOR TO COMMENCING WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO

THE ARCHITECT BEFORE PROCEEDING WITH WORK. ANY WORK STARTED BEFORE CONSULTATION AND ACCEPTANCE BY THE ARCHITECT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CORRECTIONS BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. 4. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE

WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS. 5. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES

WITH REQUIREMENTS OF CAMPUS PROJECT REPRESENTATIVE 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.

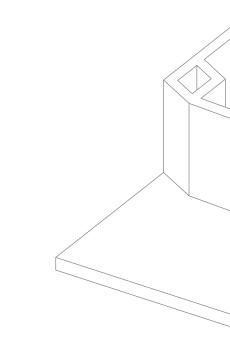
7. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR THE OTHER TRADES (PLUMBING, ELECTRICAL, ETC.). 8. THE PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY

PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS AND INSPECTIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCAL COMPLETED. JURISDICTIONAL REQUIREMENTS. 9. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING

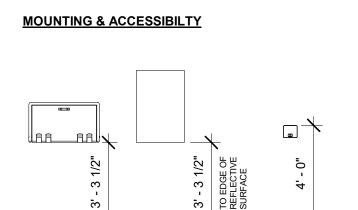
AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB. 10. ALL PIPING AND WIRING SHALL BE PULLED BACK TO THE SOURCE.

11.THE CONTRACTOR, UPON COMPLETION OF THE WORK, SHALL APPLY FOR DEPARTMENT OF BUILDINGS INSPECTIONS AND SIGN-OFFS AS REQUIRED.

12. BUILDING RISERS, INCLUDING PLUMBING AND ELECTRICAL ARE NOT PERMITTED TO BE RELOCATED.

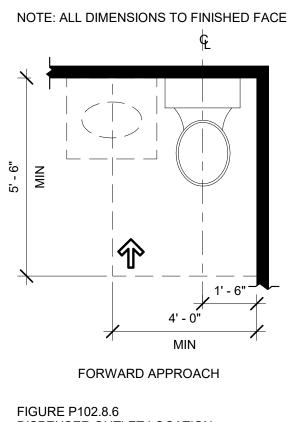


1 ISOMETRIC DIAGRAM

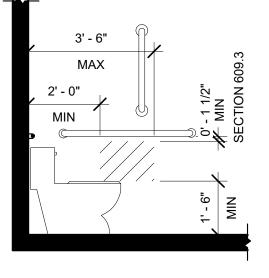


RECESSED BATHROOM BABY CHANGING MIRROR STATION

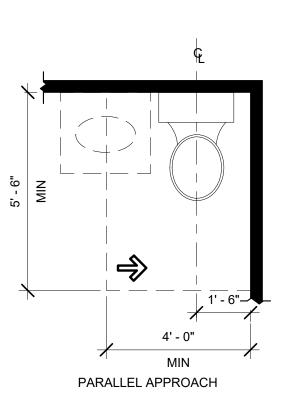
SOAP DISPENSER

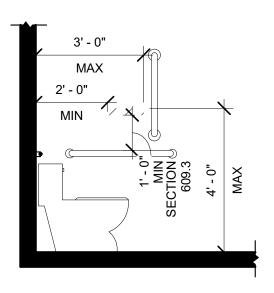


DISPENSER OUTLET LOCATION NOTE: ALL DIMENSIONS TO FINISHED FACE

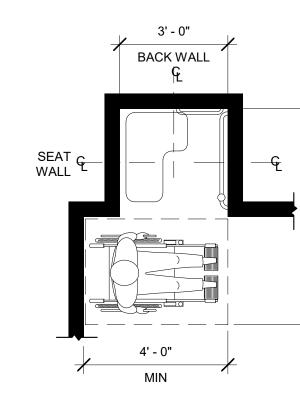


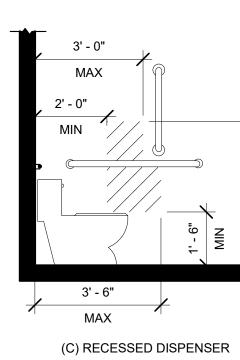
(A) PROTRUDING DISPENSER BELOW GRAB BAR





(B) PROTRUDING DISPENSER ABOVE GRAB BAR





2. BEFORE COMMENCING THE WORK THE CONTRACTOR SHALL

INSTALLATION.

13. ALL WORK TO BE IN COMPLIANCE WITH ALL SECTIONS FOR THE ALTERATIONS AGREEMENT AND CAMPUS SPECIAL CONDITIONS FOR CONSTRUCTION FOR ADDITIONAL INFORMATION & REQUIREMENTS, IF APPLICABLE.

14. CUTTING IN DEMISING OR EXTERIOR WALLS FOR ANY SERVICE, INCLUDING ELECTRICAL IS NOT PERMITTED UNLESS REVIEWED AND APPROVED BY THE 15. PROVIDE OR MAINTAIN FIRE RATED CONSTRUCTION AS REQUIRED AT

16. THE USE OF POWER DEVICES SUCH AS ELECTRIC HAMMERS OR OTHER PNEUMATIC TOOLS WILL NOT BE ALLOWED UNLESS APPROVED BY THE CAMPUS PROJECT REPRESENTATIVE. NO POWER-ACTUATED DEVICES MAY BE USED TO ATTACH STUDS TO EXISTING FLOORS. CEILINGS OR WALLS UNLESS A LIST OF PROPOSED TOOLS IS SUBMITTED AND APPROVED BY THE CAMPUS PROJECT REPRESENTATIVE. POWER-ACTUATED DEVICES MAY NOT BE UTILIZED WITHOUT PRIOR CONSENT FROM THE BOARD, AS PER THE ALTERATION AGREEMENT.

17. NOTE THAT THE BUILDING'S PLUMBING, GAS, TELEPHONE OR ELECTRIC RISERS MAY NOT BE DISTURBED: PROVIDE PROTECTION THROUGHOUT THE WORK. SHUTDOWN OF SYSTEM RISERS MUST BE COORDINATED WITH THE CAMPUS PROJECT REPRESENTATIVE.

18. PROVIDE FOR FIRE SAFETY AS PER THE ALTERATION AGREEMENT, AS REQUIRED. MAINTAIN FIRE EXTINGUISHERS AND SMOKE/CO DETECTORS IN WORKING ORDER ON THE SITE AT ALL TIMES DURING CONSTRUCTION. REFER TO CAMPUS SPECIAL CONDITIONS FOR CONSTRUCTION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

19. CONTRACTOR TO PROVIDE FOR PAINT, DUST, DEBRIS AND NOISE CONTAINMENT AS DIRECTED BY THE CAMPUS PROJECT REPRESENTATIVE. ALL VENTS AND EXHAUSTS MUST BE FULLY SEALED TO PREVENT INFILTRATION OF DUST AND DIRT.

20. WHERE CHASES, SHAFTS, DEMISING WALLS AND STRUCTURAL ELEMENTS ARE OPENED DURING CONSTRUCTION, PROVIDE FIRESTOPPING AS REQUIRED BY CODE AT ALL EXISTING OR NEW OPENINGS. A UL RATED FIRESTOPPING SYSTEM IS TO BE PROVIDED AS MANUFACTURED BY STI, HILTI OR EQUAL. NOTE THAT FIRESTOPPING MUST BE COMPLETE ONCE DEMOLITION HAS BEEN

21. CONTRACTOR IS TO NOTIFY THE CAMPUS PROJECT REPRESENTATIVE AND/OR ARCHITECT ON THE FOLLOWING MILESTONES SO THAT OBSERVATION OBSTRUCTED AT ANY TIME. VISITS MAY BE SCHEDULED OF THE WORK: COMPLETION OF DEMOLITION COMPLETION OF ROUGHING

- COMPLETION OF WATERPROOFING AND SOUNDPROOFING - COMPLETION OF PROJECT

22. ANY CHANGES TO THE SCOPE OF WORK MUST BE SUBMITTED TO THE CLIENT AND THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF THAT WORK.

23. COMPLY WITH MANUFACTURERS PRINTED INSTRUCTIONS. AND THE STANDARDS OF RECOGNIZED AGENCIES AND ASSOCIATIONS FOR MATERIALS, WORKMANSHIP AND

24. DO NOT SCALE DRAWINGS. DETAILS, NOTES, AND THE LIKE ARE TYPICAL AND APPLY IN GENERAL TO SIMILAR CONDITIONS.

25. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.

26. SECURE CONSTRUCTION MATERIALS AT ALL TIMES. OWNER WILL NOT BE RESPONSIBLE FOR MATERIALS PRIOR TO FINAL ACCEPTANCE. OWNER MAY DESIGNATE AREA ON SITE FOR STORAGE PURPOSES AND/OR OFFICE PURPOSES. 27. BE CAUTIONED THAT THE SITE WILL BE IN USE DURING THE ENTIRE CONSTRUCTION OPERATION. EXTREME CARE AND CAUTION MUST BE TAKEN TO PROTECT PEDESTRIANS AND PROPERTY, PROVIDE ADEQUATE WARNING SIGNS, LIGHTS,

PEOPLE AND PROPERTY. 28. WORK PREFORMED OVER ANY SURFACE CONSTITUTES CONTRACTOR ACCEPTANCE OF THAT SURFACE FOR THE SPECIFIED QUALITY OF THE WORK BEING PREFORMED THEREON.

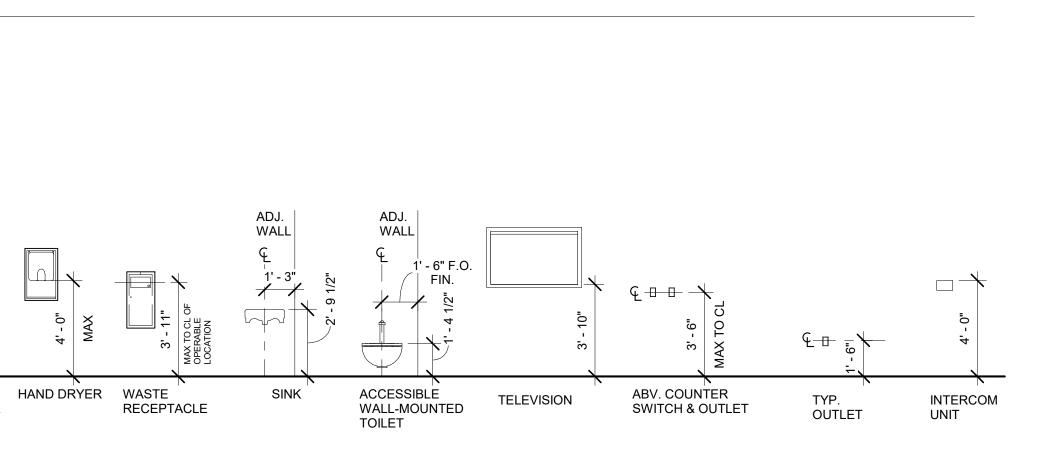
BARRICADES, AND ALL ELSE NECESSARY TO PROTECT

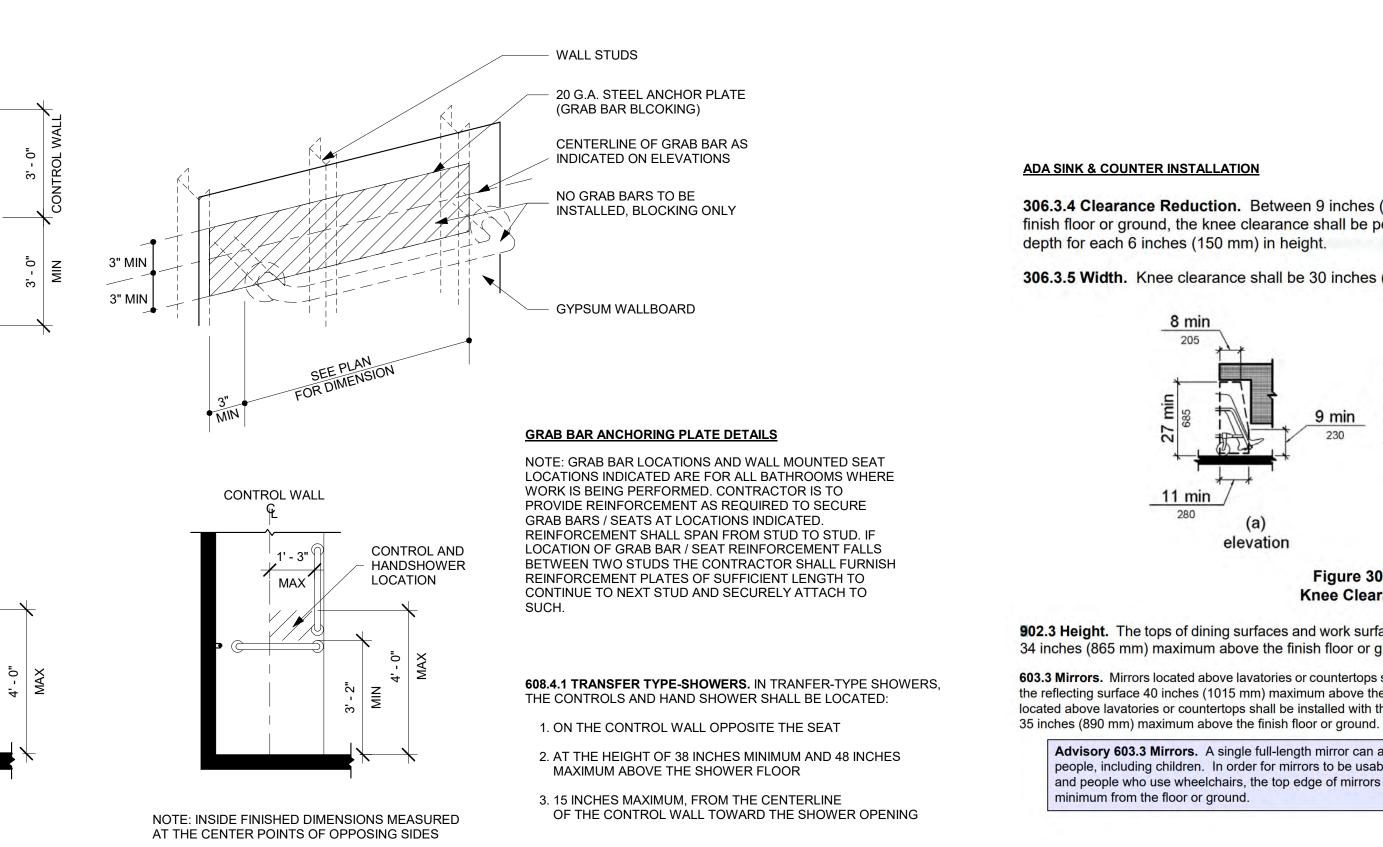
29. MAINTAIN PREMISES FREE FROM ACCUMULATIONS OF WASTE, DEBRIS, AND RUBISH, CAUSED BY OPERATIONS. DEBRIS SHALL BE REMOVED FROM JOB SITE DAILY. ALL DEBRIS TO BE STORED IN METAL, CLOSED CONTAINERS SUPPLIED BY CONTRACTOR. 30. IT IS ESSENTIAL THAT ALL WORK PROCEED WITH THE MAXIMUM COOPERATION OF ALL PARTIES AND WITH MINIMUM INTERFERENCE TO THE OCCUPANTS WITHIN THE BUILDING. THE OWNER'S DIRECTIONS IN THIS REGARD SHALL BE FULLY

31. CONTRACTOR SHALL SCHEDULE AND SEQUENCE WORK SO AS NOT TO INTERFERE WITH OTHER ONGOING OR SCHEDULED WORK, OR WITH ACTIVITIES OF THE OWNER. COORDINATE WITH OWNER'S REPRESENTATIVE.

COMPLIED WITH.

32. AT ALL TIMES IN THE COURSE OF CONSTRUCTION, ADEQUATE EGRESS IS REQUIRED AND MUST BE MAINTAINED AT ALL TIMES. REQUIRED EGRESS PATHS MUST NOT BE





	SHEET LIST
Sheet Number	Sheet Name
A-001	COVER SHEET
A-100	PLANS, RCPS & INTERIOR ELEVATIONS
A-500	DETAILS
A-700	SPECIFICATIONS

PROJECT DIRECTORY

OWNER: EMAIL: ADDRESS:	SUNY PURCHASE COLLEGE sean.connolly@purchase.edu 735 ANDERSON ROAD PURCHASE NY 10577
ARCHITECT: EMAIL: PHONE: ADDRESS:	LYNN FRITZLEN ARCHITECT lynn@lynnfritzlen.com 646.921.2285 140 RIVERSIDE DRIVE SUITE 6 E, NEW YORK, NY 10024
MEP: EMAIL: PHONE: ADDRESS:	COLLADO pahn@collado-eng.com 914.332.7658 ext.117 445 HAMILTON AVE, SUITE 608 WHITE PLAINS, NY 10601

PROJECT DESCRIPTION

PROPOSED WORK IS LOCATED IN THE BASEMENT LEVEL OF THE PERFORMING ARTS COMPLEX, SUNY PURCHASE. SCOPE OF WORK INCLUDES REMOVAL OF EXISTING CMU WALLS AND RECONFIGURATION OF EXISTING RESTROOMS TO CREATE 2 ADA ACCESSIBLE BATHROOMS, NEW SHOWER AND A GENDER NEUTRAL DRESSING ROOM. STRUCTURAL: NO MODIFICATION OF STRUCTURAL PROPOSED.

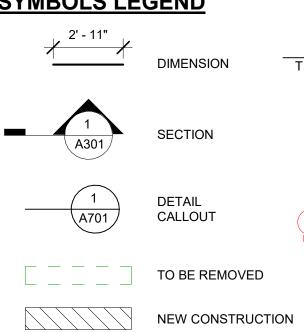
ELECTRICAL: RELOCATE EXISTING OUTLETS, SWITCHES, THERMOSTATS AS SHOWN ON PLANS, RECIRCUIT LIGHTING AND POWER PER NEW PLANS. PROVIDE NEW LIGHTING. PROVIDE NEW POWER AND DATA OUTLETS PER PLANS.

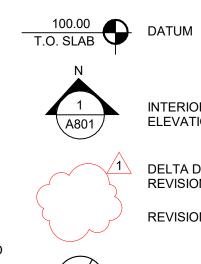
PROVIDE: NEW PLUMBING FIXTURES INCLUDING WC, LAVS AND SHOWER PER PLANS. REFER TO MEP.

DUPLEX RECEPTACLE

MECHANICAL: REFER TO MECHANICAL SET FOR SCOPE.

SYMBOLS LEGEND





INTERIOR ELEVATION LYNN FRITZLEN ARCHITECT 140 RIVERSIDE DRIVE, SUITE 6E

E-MAIL lynn@lynnfritzlen.com

445 HAMILTON AVE, SUITE 608

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914.332.7658 ext. 117

pahn@collado-eng.com

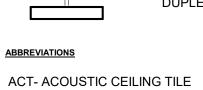
NEW YORK, NY 10024

PHONE 212-362-4130

COLLADO

DELTA DENOTES **REVISION NUMBER REVISION CLOUD**

NORTH ARROW



EQ- EQUAL EXIST- EXISTING

INT- INTERIOR

AFF- ABOVE FINISH FLOOR **BFF- BELOW FINISH FLOOR** BOT- BOTTOM CIP- CAST IN PLACE CONCRETE NIC- NOT IN CONTRACT CLG- CEILING CLR- CLEAR CMU- CONCRETE MASONRY UNIT PLYD- PLYWOOD CONC- CONCRETE **CONT- CONTINUOUS** CPT- CARPET **CT- CERAMIC TILE** DEMO- DEMOLITION DIA- DIAMETER DIM(S)- DIMENSION(S) DN- DOWN DWG-DRAWING EA- EACH **ELEV- ELEVATION**

GWB - GYPSUM WALL BOARD

HVAC- HEATING, VENTILATION AND VIF- VERIFY IN FIELD AIR CONDITIONING WD- WOOD

MAX- MAXIMUM **MECH- MECHANICAL** MIN- MINIMUM MTL- METAL OC- ON CENTER PLUMB- PLUMBING PNT- PAINT **RCP- REFLECTED CEILING PLAN** RD- ROOF DRAIN REQD- REQUIRED RM- ROOM SIM- SIMILAR SPEC- SPECIFICATION STC- SOUND TRANSMISSION RATING STL- STEEL STRUCT- STRUCTURAL **T&G- TONGUE AND GROOVE** TELE- TELEPHONE TO- TOP OF

TYP- TYPICAL

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

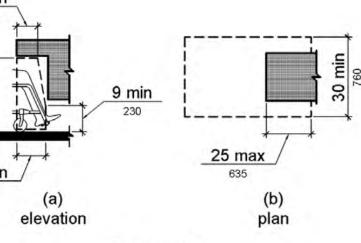


Figure 306.3 Knee Clearance

902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface

Advisory 603.3 Mirrors. A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74 inches (1880 mm)

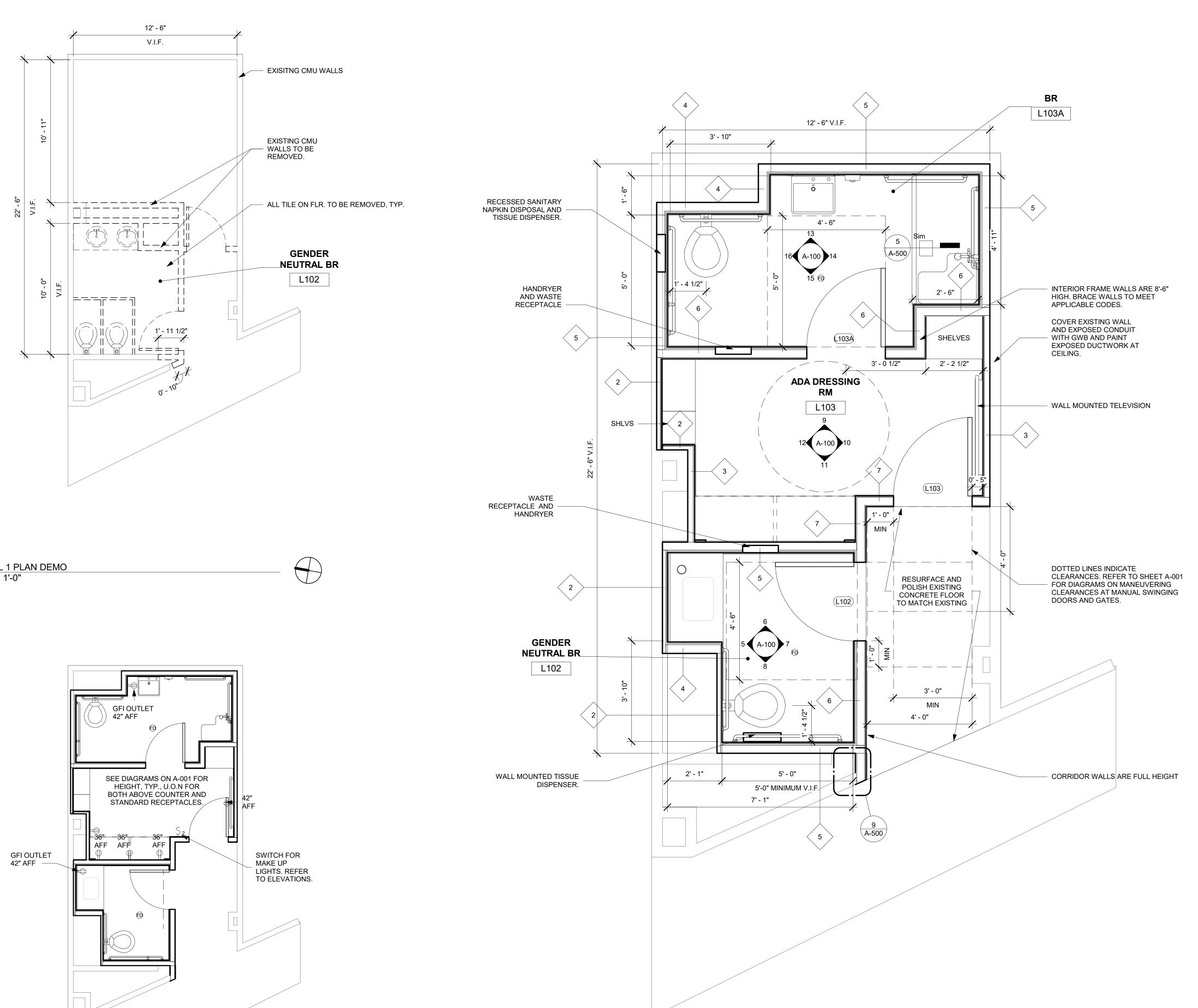




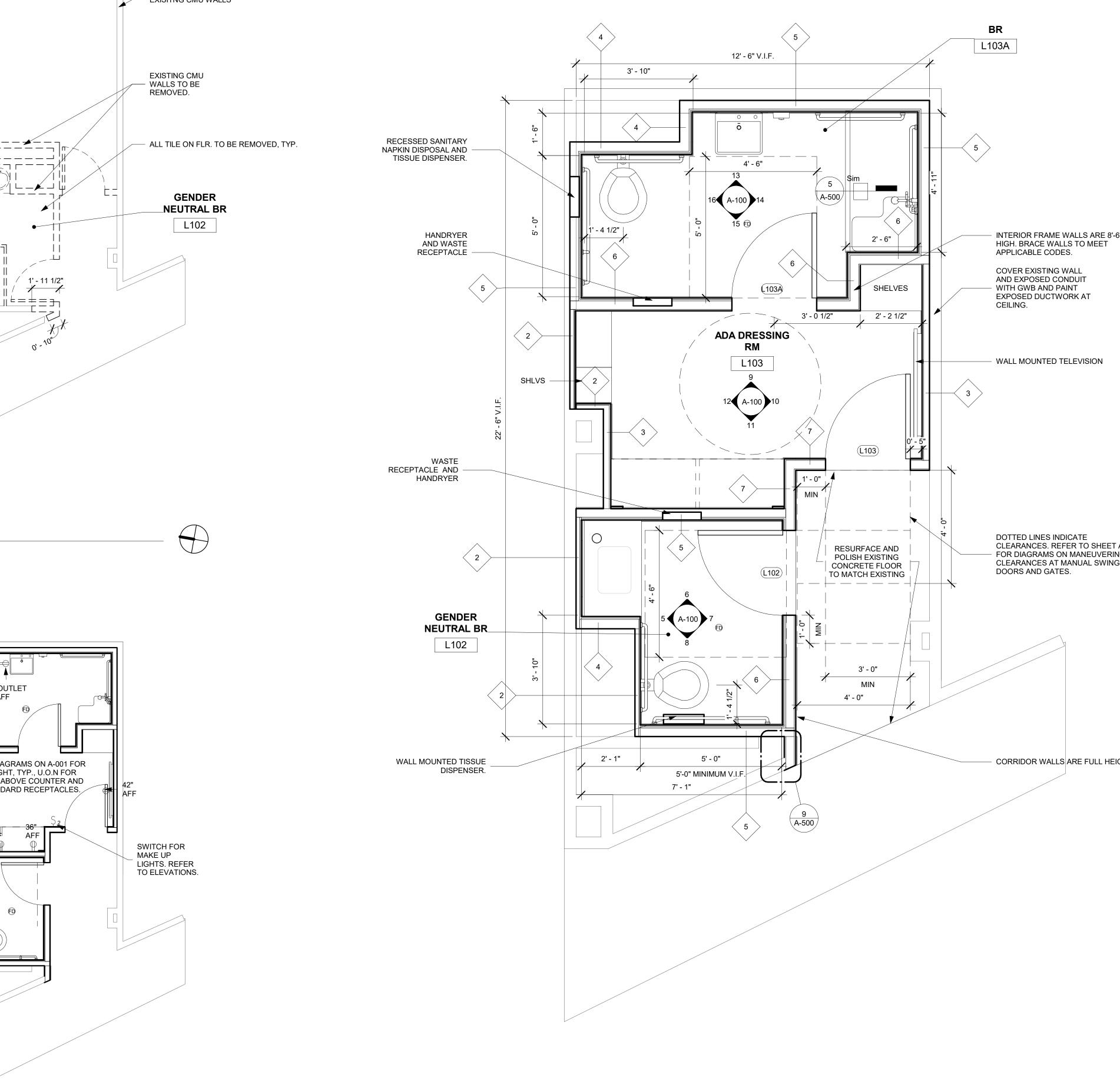
PAC ADA DRESSING ROOM LOCATION: 735 ANDERSON ROAD PURCHASE NY 10577 COVER SHEET

SEAL & SIGNATURE

Scale As indicated



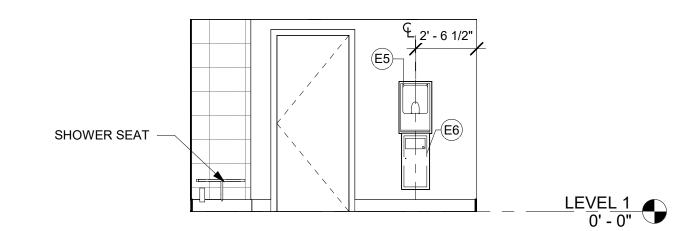




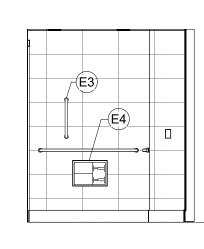
17 <u>LEVEL 1 POWER PLAN</u> 1/4" = 1'-0"



2 LEVEL 1 PLAN 1/2" = 1'-0"



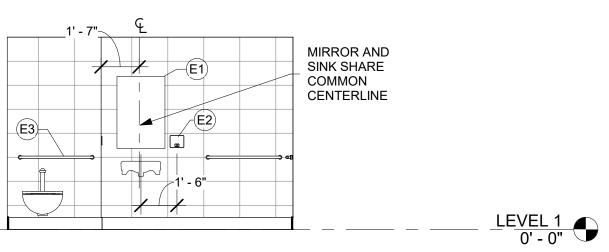
 $15 \frac{103A \text{ INTERIOR ELEVATION WEST}}{1/4" = 1'-0"}$



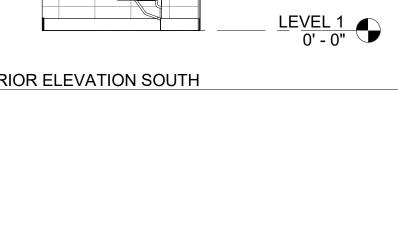
<u>LEVEL 1</u> 0' - 0"

16 L103A INTERIOR ELEVATION NORTH 1/4" = 1'-0"

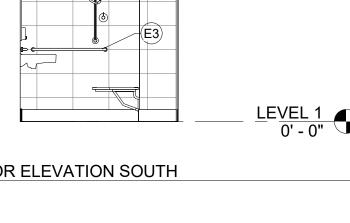
13 L103A INTERIOR ELEVATION EAST 1/4" = 1'-0"
13 1/4" = 1'-0"



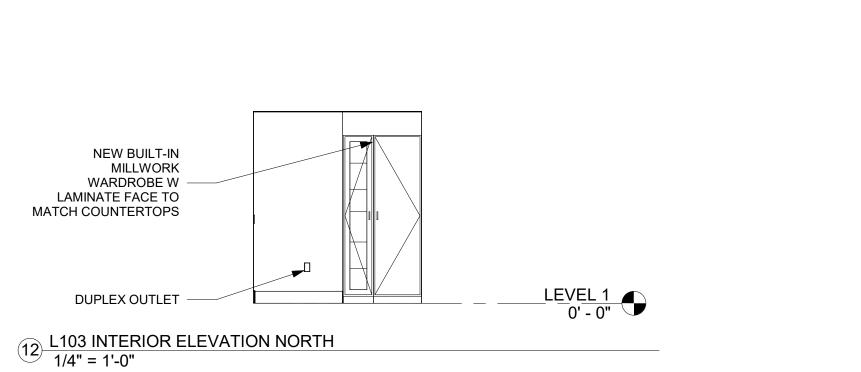
14 L103A INTERIOR ELEVATION SOUTH 1/4" = 1'-0"

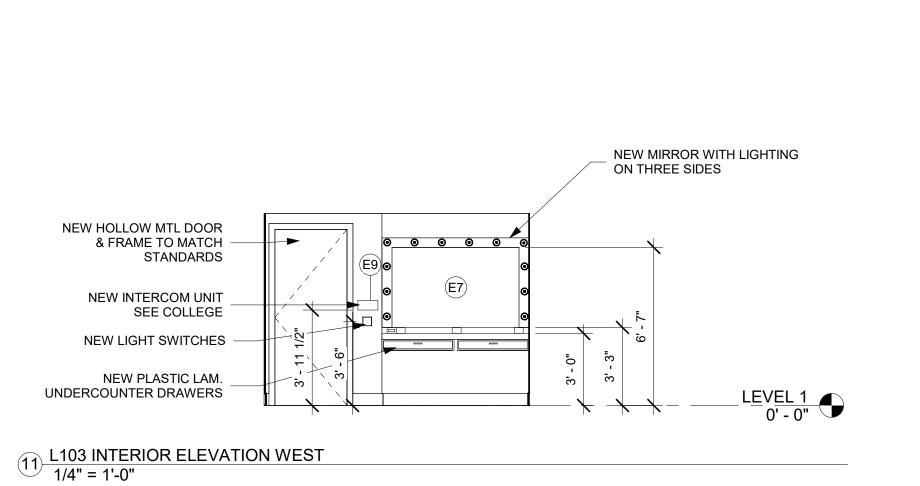












8 L102 INTERIOR ELEVATION WEST 1/4" = 1'-0"

_____ _ <u>LEVEL 1</u> 0' - 0"

بتعطيعهم

4A

COVE LIGHT FIXTURE

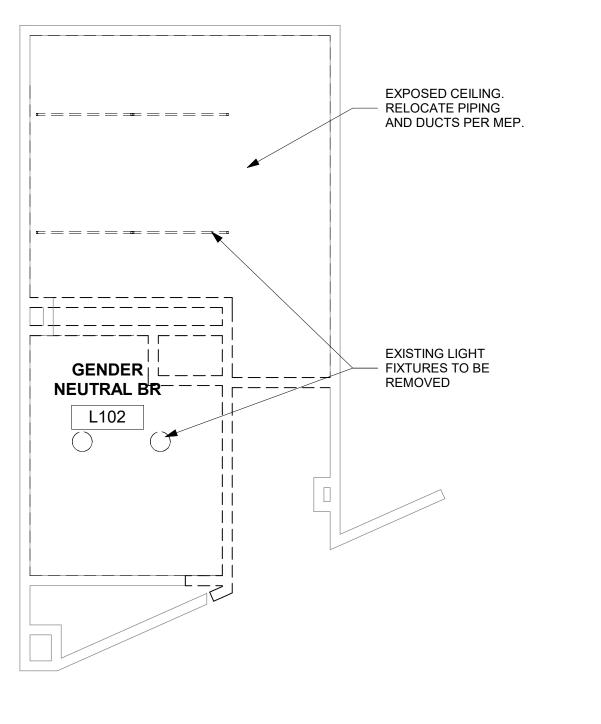
7 L102 INTERIOR ELEVATION SOUTH 1/4" = 1'-0"

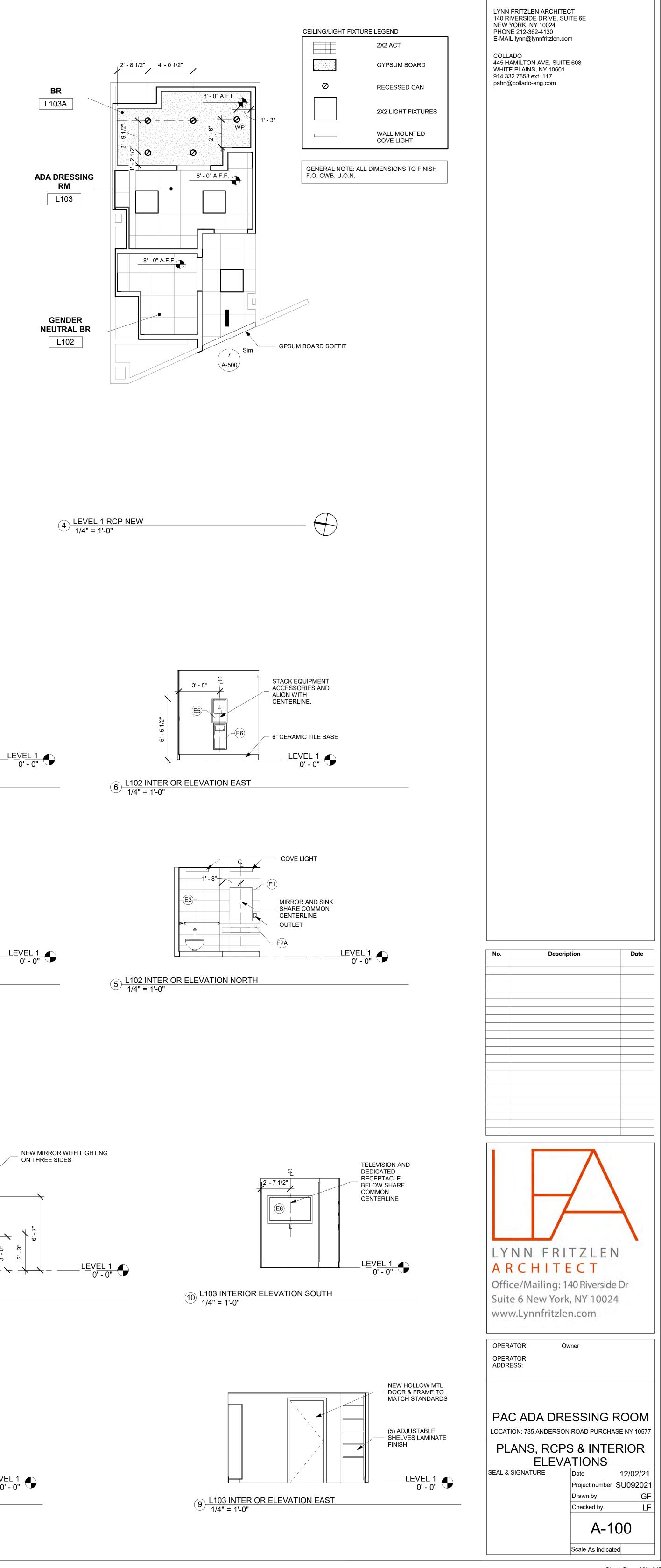
3 LEVEL 1 RCP DEMO

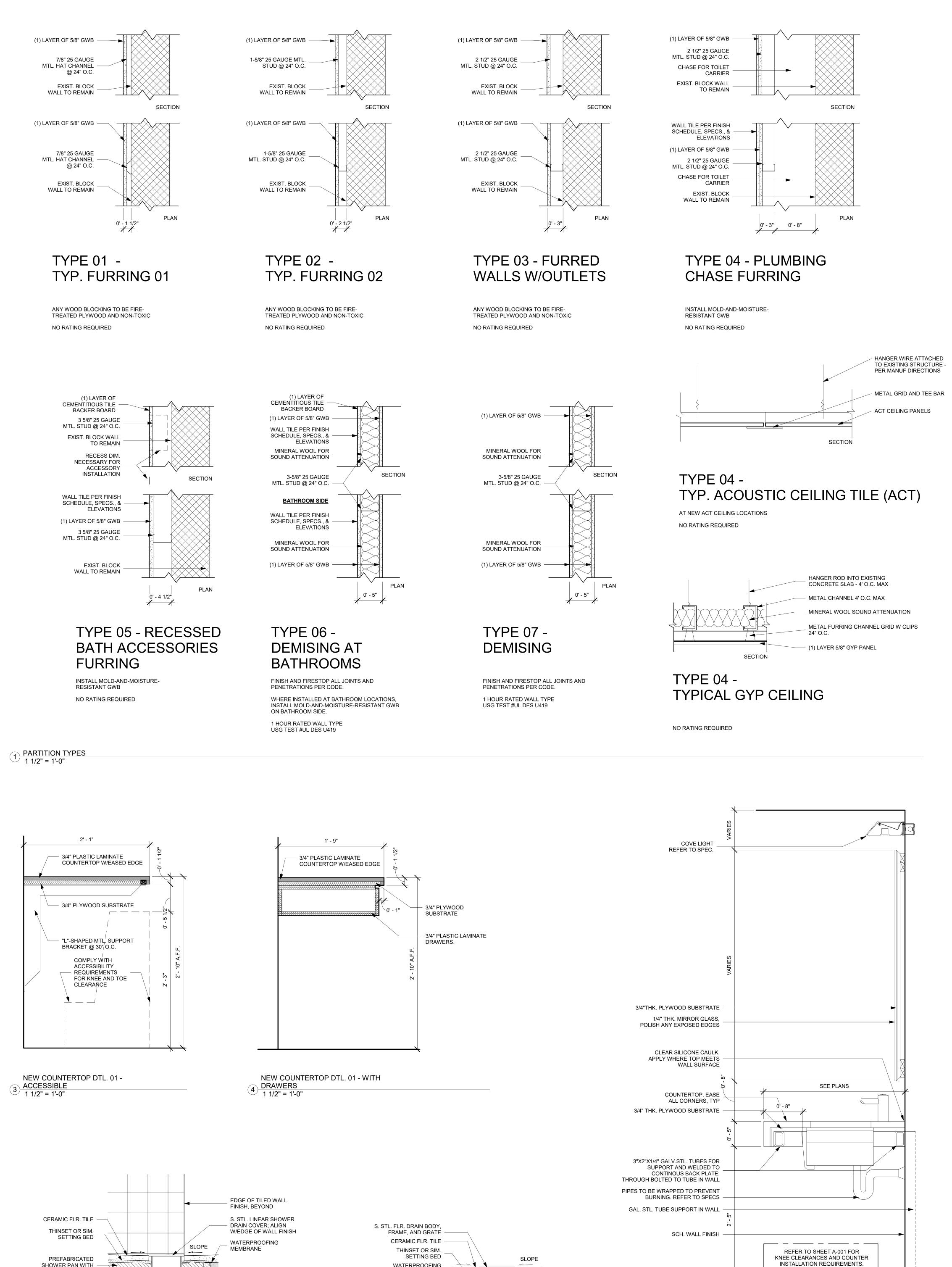
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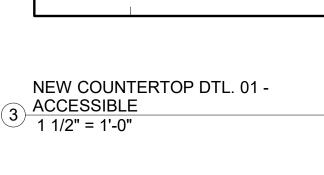
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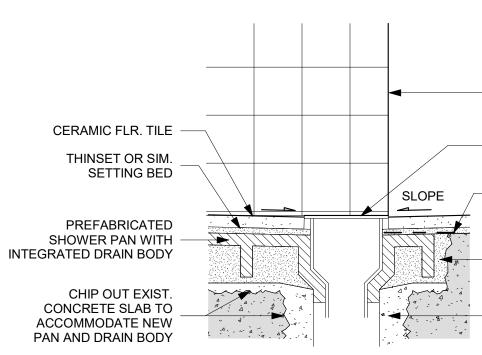
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5 SHOWER AND LINEAR DRAIN DETAIL 3" = 1'-0"

MORTAR SETTING BED

CONCRETE TOPPING/ LEVELING SLAB CAST AGAINST TEMP. SLEEVE FOR FUTURE DRAIN

WATERPROOFING MEMBRANE EXIST. CONCRETE SLAB CHIP OUT SLAB FOR NEW DRAIN BODY AND FILL — WITH NEW CONCRETE



6 TYPICAL TILE FLOORING DETAIL 3" = 1'-0"

8 SINK SECTION 1 1/2" = 1'-0"

SCH. BASE

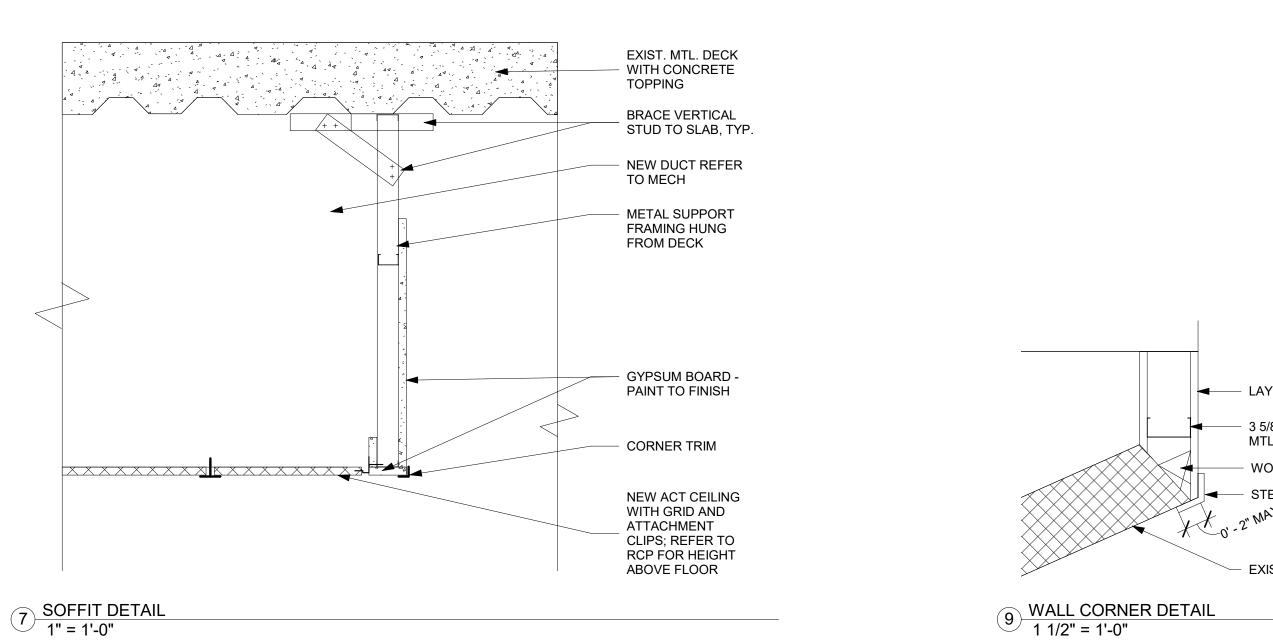
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		ROOM FINISH SCHEDULE		
Number	Name	Wall Finish	Floor Finish	Ceiling Finish
L102	GENDER NEUTRAL BR	TILE; PTD. GWB ABOVE	TILE	2X2 ACT
L103	ADA DRESSING RM	PTD, GWB	CARPET	2X2 ACT
L103A	BR	TILE; PTD. GWB ABOVE	TILE	PTD. GWB

DOOR SCHEDULE

			FIRE	
MARK	LOCATION	HARDWARE	RATING	SIZE
L102	L102 GENDER NEUTRAL BATHROOM	PUSH-LOCK LEVER; CLOSER;DEAD BOLT W/OCCUPANCY INDICATOR	45 MIN	36 X 88
L103	L103 ADA DRESSING ROOM	PUSH-LOCK LEVER; CLOSER;DEAD BOLT; KEYED	45 MIN	36 X 88
L103A	L103A BATHROOM	PUSH-LOCK LEVER; CLOSER;DEAD BOLT W/OCCUPANCY INDICATOR		36 X 88

	EQUIPMENT & ACCESSORY SCHEDULE	
E#	Equipment Type	Count
E1	BATHROOM MIRROR	2
E2	SOAP DISPENSER -WALL MOUNTED	1
E2A	SOAP DISPENSER - COUNTER MOUNTED ELECTRICAL	1
E3	GRAB BARS	9
E4	RECESSED SANITARY NAPKIN DISPOSAL & TOILET TISSUE DISPENSER	1
E4A	WALL MOUNTED TOILET TISSUE DISPENSER	1
E5	HANDRYER	2
E6	WASTE RECEPTACLE	2
E7	DRESSING ROOM MIRROR	1
E8	WALL MOUNTED TELEVISION	1
E9	INTERCOM UNIT	1



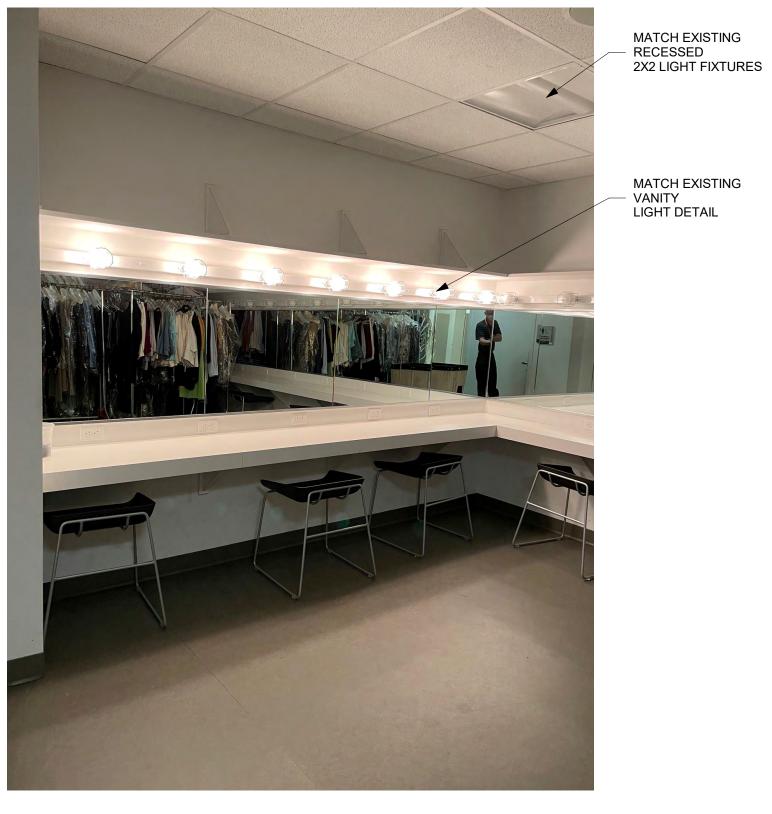




PHOTO 1: EXISTING DRESSING ROOM AT CMFT

10 EXISTING CONDITIONS 1 1/2" = 1'-0"

PHOTO 2: EXISTING DRESSING ROOM AT CMFT

LAYER OF 5/8" GWB — 3 5/8" 25 GAUGE MTL. STUD @ 24" O.C. - WOOD BLOCK STEEL WALL GUARD

EXIST. BLOCK WALL TO REMAIN

- MATCH DOWNLIGHT
- MATCH EXISTING ACT
- MATCH EXISTING COVE LIGHT REFER TO DETAIL
- MATCH CERAMIC WALL TILE
- MATCH EXISTING ELEC. SOAP DISPENSER
- MATCH EXISTING SINK AND COUNTER. REFER TO DETAIL.
- ____ MATCH EXISTING CERAMIC FLOOR TILE
- MATCH EXISTING MIRROR - TYPE. SEE ELEVATIONS FOR SIZES

Description Date No. LYNN FRITZLEN ARCHITECT Office/Mailing: 140 Riverside Dr Suite 6 New York, NY 10024 www.Lynnfritzlen.com OPERATOR: Owner OPERATOR

LYNN FRITZLEN ARCHITECT 140 RIVERSIDE DRIVE, SUITE 6E NEW YORK, NY 10024

PHONE 212-362-4130 E-MAIL lynn@lynnfritzlen.com

COLLADO 445 HAMILTON AVE, SUITE 608 WHITE PLAINS, NY 10601

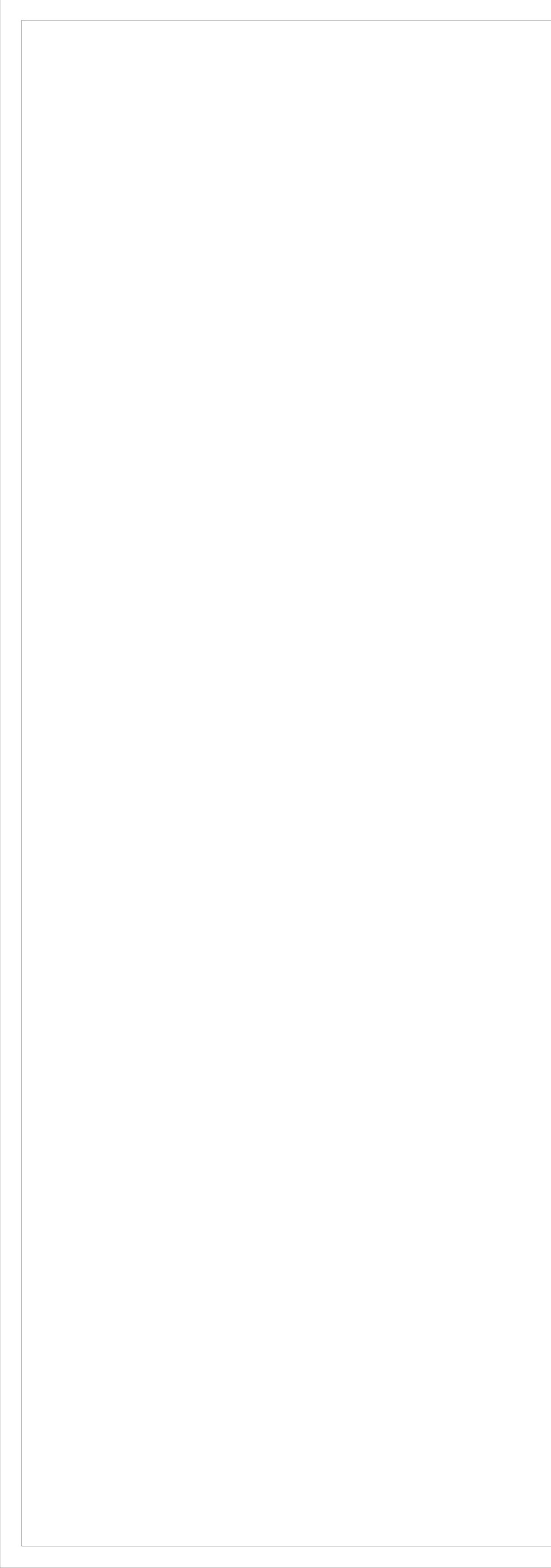
914.332.7658 ext. 117 pahn@collado-eng.com

PAC ADA DRESSING ROOM LOCATION: 735 ANDERSON ROAD PURCHASE NY 10577 DETAILS

SEAL & SIGNATURE

ADDRESS:

Scale As indicated



GENERAL ALL PRODUCTS AND EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. PROVIDE SUBMITTALS AS LOCATION APPROVED BY THE OWNER. WHERE SAMPLES ARE REQUIRED, PROVIDE FULL PALETTE OF FINISH NECESSARY TO INSTALL THE PRODUCTS SPECIFIED SHALL BE INCLUDED IN THE SCOPE. DO NOT ORDER OF EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT TO BE ADA	I SAMPLES FOR OWNER'S REVIEW. ALL MATERIALS AND ACCESSORIES R INSTALL PRIOR TO WRITTEN APPROVAL. INSTALL ALL PRODUCTS AND
EQUIPMENT PROVIDED BY SUNY PURCHASE: WALL MOUNTED TV AND INTERCOM UNIT. COORDINATE WITH SUNY PURCHASE FACILITY MANAGERS FOR PO	OWER AND INSTALLATION REQUIREMENTS
039000 CONCRETE FINISHING AND RESTORATION PRODUCT/DESCRIPTION: GRINDING AND POLISHING OF EXISTING CONCRETE	<u>220000 PLUMBING FIXTURES</u> PRODUCT: AFWALL ELONGATED FLUSH VALVE TOILET
MANUFACTURER: MODEL #: FINISH: TO MATCH EXISTING SUBMITTALS REQUIRED: INSTALLATION DETAILS	MANUFACTURER: AMERICAN STANDARD MODEL #: 2257 INCLUDE TOILET SEAT FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS,
<u>064000 ARCHITECTURAL WOODWORK</u> PRODUCT: CABINETS, DRAWERS, SHELVING MANUFACTURER: CUSTOM FABRICATION	PRODUCT: SOLAR POWERED DUAL FLUSH FOR TOILET MANUFACTURER: SLOAN SOLIS
MODEL #: FINISH: LAMINATE, STANDARD COLOR TO BE SELECTED BY OWNER SUBMITTALS REQUIRED: SHOP DRAWINGS, MATERIAL SAMPLES	MODEL #: 8111-1.5/1.1 FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS
<u>064023 LAMINATE COUNTERTOPS</u> PRODUCT: LAMINATE FACED COUNTERTOPS AND DRAWERS MANUFACTURER: CUSTOM FABRICATION	PRODUCT: SOLAR POWERED ELECTRONIC HAND WASHING FAUCET MANUFACTURER: SLOAN SOLIS MODEL #: EAF-275 FINISH: STANDARD FINISH PER OWNER'S SELECTION
MODEL #: FINISH: STANDARD COLOR TO BE SELECTED BY OWNER SUBMITTALS REQUIRED: SHOP DRAWINGS, MATERIAL SAMPLES	SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: ADA LAVATORY SINK WALL MOUNTED
<u>081100 METAL DOORS AND FRAMES</u> PRODUCT: PRE-HUNG METAL DOORS AND FRAMES MANUFACTURER: ASSA ABLOY, CECO,	MANUFACTURER: KOHLER SOHO MODEL #: K2084-0 FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS
MODEL #: HOLLOW METAL DOOR AND FRAMES, FLUSH FACE, RATED PER DOOR SCHEDULE FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS, DOOR SCHEDULE	PRODUCT: ADA UNDERMOUNT SINK FOR COUNTERTOP MANUFACTURER: KOHLER MODEL #: VERTICYL RECTANGLE K2882-96
087100 DOOR HARDWARE PRODUCT: LEVER HANDLES, LATCHES MANUFACTURER: ASSA ABLOY OR SHLAGE MODEL #: LEVER HANDLES, LATCH SETS,	FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: ADA SHOWER HEAD AND FAUCET SET
DOOR L103A: PASSAGE SET AND DEADBOLT OPERABLE FROM INTERIOR DOOR L103: ELECTRIFIED MORTISE LOCK, REFER TO ELECTRICAL FOR INFO COORDINATE DOOR FRAME WITH ELECTRIFIED HARDWARE REQUIREMENTS DOOR L102: PASSAGE SET AND DEADBOLT OPERABLE FROM INTERIOR.	MANUFACTURER: KOHLER MODEL #: AWAKEN G110 SHOWER HEAD, PURIST K-TS14423-3-CP SHOWER FAUCET FINISH: BRUSHED METAL, STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS
FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: HARDWARE SCHEDULE, PRODUCT CUT SHEET, INSTALLATION DETAILS <u>092000 GYPSUM WALL BOARD</u> PRODUCT: WATERPROOF DRYWALL	<u>223051 PLUMBING WRAP</u> PRODUCT: PLUMBING WRAP MANUFACTURER: GBD, HANDY SHIELD MODEL #: ADA COMPLIANT SUITABLE FOR UNDERSINK INSTALLATION
MANUFACTURER: USG MODEL #: FINISH: WHITE	FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS,
SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: CEMENTITIOUS BACKER BOARD FOR TILE MANUFACTURER: DUROCK	260000 INTERIOR LIGHTING PRODUCT: RECESSED 2X2 FIXTURE MANUFACTURER: CORONET MODEL #: TDCW 2X2
MODEL #: FINISH: STANDARD SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS
<u>092216 NON-STRUCTURAL METAL FRAMING</u> PRODUCT/DESCRIPTION: METAL FRAME STUDS, CHANNELS AND ACCESSORIES MANUFACTURER: SEMCO MODEL #: SIZE PER DRAWINGS	PRODUCT: RECESSED DOWNLIGHT MANUFACTURER: CORONET MODEL #: WATER RESISTANT, CORONET 4.5" ROUND DEEP REGRESS DOWNLIGHT B WITH INTEGRAL DRIVE FINISH: STANDARD FINISH PER OWNER'S SELECTION
FINISH: STANDARD SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS, BRACING DETAILS FOR PARTIAL HEIGHT WALLS	SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: VANITY LIGHTS FOR ADA DRESSING ROOM
093013 PORCELAIN TILE PRODUCT: WALL, FLOOR AND BASE CERAMIC TILE MANUFACTURER: DAL, AMERICAN OLEAN MODEL #: GLAZED CERAMIC TILE, REFER TO INTERIOR ELEVATIONS FOR SIZE AND PATTERN FINISH: STANDARD COLORS FOR TILE AND GROUT TO BE SELECTED BY OWNER SUBMITTAL & DECUMPED: 2 DIVISION CAMPLES, DEODUCT OUT SUFET, INSTALLATION DETAILS, MOOK UP	MANUFACTURER: ALORA LIGHTING MODEL: ARISTA 5 – LIGHT DIMMABLE LED, SIZE VARIES REFER TO INTERIOR ELEVAT FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: SHOP DRAWINGS, PRODUCT CUT SHEET, INSTALLATION DE
SUBMITTALS REQUIRED: 3 PHYSICAL SAMPLES, PRODUCT CUT SHEET, INSTALLATION DETAILS, MOCK-UP 095100 ACOUSTIC CEILINGS PRODUCT: 2X2 ACOUSTIC TILE CEILING MANUFACTURER: ARMSTRONG MODEL #: WATER RESISTANT, SUITABLE FOR WET LOCATIONS FINISH: STANDARD COLOR FOR TILE AND TRACK PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	PRODUCT: COVE LIGHT MANUFACTURER: CORONET MODEL: KB KOVE PERIMETER WALL FINISH: STANDARD FINISH PER OWNER'S SELECTION SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS
096513 RESILIENT WALL BASE PRODUCT: VINYL WALL BASE MANUFACTURER: ROPE MODEL #: 4" HIGH FINISH: STANDARD COLOR PER OWNER'S SELECTION	
SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS, 5-YEAR WARRANTY 098600 CARPET PRODUCT: CARPET AND PAD MANUFACTURER: ARMSTRONG MODEL #: MOLD RESISTANT, STAIN RESISTANT, LOW LOOP PILE FINISH: STANDARD COLOR PER OWNER'S SELECTION	
SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS, 5-YEAR WARRANTY O99100 PAINT PRODUCT: LATEX PAINT MANUFACTURER: BENJAMIN MOORE	
MODEL #: FINISH: WHITE SUBMITTALS REQUIRED: 12X12 MOCK-UP, PRODUCT CUT SHEET, INSTALLATION DETAILS	
<u>102800 WASHROOM ACCESSORIES</u> PRODUCT: SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER MANUFACTURER: BOBRICK MODEL #: B-309T FINISH: STANDARD (STAINLESS STEEL)	
SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: TOILET TISSUE DISPENSER MANUFACTURER: BOBRICK	
MODEL #: B-2892 FINISH: STANDARD (STAINLESS STEEL) SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS PRODUCT: XLERATOR HAND DRYER, AND XLERATOR RECESS KIT	
MANUFACTURER: EXCEL MODEL #: XL-SB 40502 FINISH: BRUSHED STAINLESS STEEL SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	
PRODUCT: TRIMLINE SERIES RECESSED WASTE RECEPTACLE WITH DISPOSAL DOOR MANUFACTURER: BOBRICK MODEL #: B-35633 FINISH: BRUSHED STANDARD (STAINLESS STEEL) SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	
PRODUCT: LAVATORY MIRROR MANUFACTURER: BOBRICK MODEL #: MATCH EXISTING. REFER TO PHOTO FINISH: BRUSHED STANDARD (STAINLESS STEEL) FRAME SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	
PRODUCT: GRAB BARS MANUFACTURER: BOBRICK MODEL #: FINISH: BRUSHED STANDARD (STAINLESS STEEL) SUBMITTALS REQUIRED: PRODUCT CUT SHEET, INSTALLATION DETAILS	
JUDIVITTALS NEQUINED. FRODUCT OUT SHEET, INSTALLATION DETAILS	

Description No. Date _____ LYNN FRITZLEN ARCHITECT Office/Mailing: 140 Riverside Dr Suite 6 New York, NY 10024 www.Lynnfritzlen.com OPERATOR: Owner OPERATOR ADDRESS: PAC ADA DRESSING ROOM LOCATION: 735 ANDERSON ROAD PURCHASE NY 10577 SPECIFICATIONS SEAL & SIGNATURE 12/02/21 Date Project number SU092021 Drawn by GF Checked by LF A-700

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Scale 1/4" = 1'-0"

ABBREVIATIONS	EF EXHAUST FAN	LPS LOW PRESSURE SUPPLY	
A AMPERES	EG EXHAUST GRILLE	LPR LOW PRESSURE RETURN	SYMBOL L
	EL ELEVATION	LRA LOCKED ROTOR AMPS	
		LWB LEAVING WET BULB TEMPERATURE	
	EQ EQUAL	LWT LEAVING WATER TEMPERATURE	
ACCU AIR COOLED CONDENSING UNIT	(ER) EXISTING TO BE REMOVED	MAV MANUAL AIR VENT	X
AD ACCESS DOOR	(ERR) EXISTING TO REMOVED AND RELOCATED	MAX MAXIMUM	
AFF ABOVE FINISHED FLOOR	EWB ENTERING WET BULB	MBH THOUSAND BTUH PER HOUR	}
AHU AIR HANDLING UNIT	EWT ENTERING WATER TEMPERATURE	MER MECHANICAL EQUIPMENT ROOM	<u> </u>
AL ACOUSTICAL LINING	EXH EXHAUST	MHP MOTOR HORSEPOWER	<u> </u>
AP ACCESS PANEL	EXP EXPANSION	MIN MINIMUM	
BDD BACK DRAFT DAMPER	EXIST EXISTING	NO. NUMBER	
BHP BRAKE HORSEPOWER		NTS NOT TO SCALE	
BMS BUILDING MANAGEMENT SYSTEM	F&T FLOAT AND THERMOSTATIC	OA OUTSIDE AIR	
BTU BRITISH THERMAL UNIT	FA FREE AREA (SQ.FT.)	OAI OUTSIDE AIR INTAKE	
BTUH BTUH PER HOUR	FC FLEXIBLE CONNECTION	OED OPEN ENDED DUCT	
CCW COUNTER CLOCKWISE	FD FIRE DAMPER	PD PRESSURE DROP	
CD CEILING DIFFUSER	FLA FULL LOAD AMPERES	PRV PRESSURE REDUCING VALVE	
CFM CUBIC FEET PER MINUTE	FPI FINS PER INCH	PSI POUNDS PER SQUARE INCH	
CG CEILING GRILLE	FPM FEET PER MINUTE	PSIA PSI ABSOLUTE	
CHWR CHILLED WATER RETURN	FPS FEET PER SECOND	PSIG PSI GAUGE	
CHWS CHILLED WATER SUPPLY	FT FEET	R RISE	
CLG CEILING	FTR FINNED TUBE RADIATION	RA RETURN AIR	
COND CONDENSATE	G GAUGE	RG RETURN GRILLE	
CR CEILING REGISTER	GAL GALLON	RLA RUNNING LOAD AMPS	
CU FT CU FT	HC HEATING COIL	RM ROOM	
	HD HEAD	ROT ROTATION	(
CWR CONDENSER WATER RETURN	HR HOUR	RPM REVOLUTIONS PER MINUTE	
CWS CONDENSER WATER SUPPLY		(RRO) EXISTING TO BE REMOVED AND RETURNED	-
DWG DRAWING	HV HEATING AND VENTILATING	- YIU UWNER	
CV CONSTANT VOLUME	HWR HOT WATER RETURN	SA SUPPLY AIR	
CW CLOCKWISE	HWS HOT WATER SUPPLY	SP STATIC PRESSURE	
D DROP	HZ FREQUENCY	SPEC SPECIFICATION	
DB DRY BULB	IN INCH OR INCHES	TEMP TEMPERATURE	——₩
DX DIRECT EXPANSION		TR TOP REGISTER	
DHW DOMESTIC HOT WATER		TRD TRANSFER DUCT	
DIAM DIAMETER		TYP TYPICAL	
DN DOWN	LBS POUNDS	TX TOILET EXHAUST	-
(E) EXISTING TO REMAIN	LBD LEAVING DRY BULB TEMPERATURE	- V VOLTS	
EAT ENTERING AIR TEMPERATURE	LIN FT LINEAR FEET	VA VENTILATION AIR	
EDB ENTERING DRY BULB TEMPERATURE		WMS WIRE MESH SCREEN	

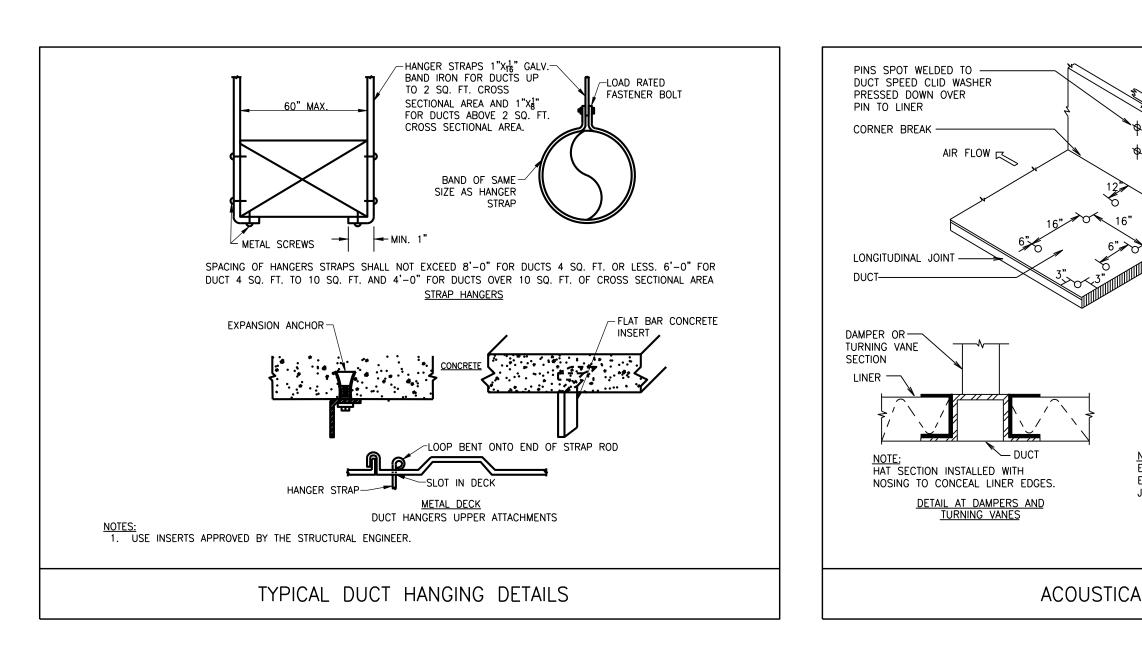
HVAC SPECIFICATIONS 1. GENERAL

- A. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- B. INVESTIGATE EACH SPACE THROUGH WITH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- C. DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF DUCTWORK TO AVOID OBSTRUCTIONS. EXACT LOCATIONS ARE SUBJECT TO APPROVAL OF ARCHITECT. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED.
- D. SUPPORT ALL DUCTWORK AND PIPING FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OR SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL FRAMING. INSERTS SHALL BE STEEL, SLOTTED TYPE AND FACTORY PAINTED. SINGLE ROD SHALL BE SIMILAR TO GRINNELL FIG. 281. MULTI-ROD SHALL BE SIMILAR TO FEE & MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS. MAXIMUM LOADING INCLUDING PIPES, DUCTWORK CONTENTS AND COVERING SHALL NOT EXCEED 75% OF RATED INSERT CAPABILITY. WHEN SUPPORTING FROM BUILDING USE BEAM CLAMPS IN APPROVED MANNER.
- E. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- F. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- G. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. ALL SYSTEM SHUTDOWNS AFFECTING OTHER AREAS SHALL BE COORDINATED WITH BUILDING OWNER. INSTALL ISOLATION VALVES AT POINT OF CONNECTION TO THE EXISTING PIPING. PROVIDE TEMPORARY DUCT CAPS AND/OR CONNECTIONS TO MINIMIZE SHUTDOWN TIME.
- H. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ARCHITECT. I. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL,
- EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEM. J. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS
- MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR. K. SEAL OPENINGS AROUND DUCTS AND PIPING THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH APPROVED FIRESTOPPING
- METHODS. L. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE. ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.

- M. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS. N. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- 0. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS, WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- P. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.
- Q. REMOVABLE ACCESS TILE AND/OR ACCESS DOOR ARE REQUIRED IN HUNG CEILINGS, SHAFTS AND WALLS FOR ALL VOLUME AND FIRE DAMPERS. AUTOMATIC DAMPERS AND ALL OTHER MECHANICAL EQUIPMENT AND DEVICES. HVAC CONTRACTOR TO FURNISH ACCESS LOCATION REQUIREMENTS TO GENERAL CONTRACTOR. ACCESS TILE IDENTIFICATION: PROVIDE BUTTONS, TABS, AND MARKERS TO IDENTIFY LOCATION OF CONCEALED VALVES, DAMPERS AND EQUIPMENT.
- R. ALL MATERIAL AND EQUIPMENT SHALL HAVE A UL, CSA, OR OTHER TESTING APPROVED AGENCY NUMBER. THIS INFORMATION MUST BE INCLUDED IN THE SUBMITTAL PACKAGE.
- S. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS. T. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS
- SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING DUCTWORK, PIPING (SIZES, CLEARANCES, ETC) AND CONDITIONS. U. INSURANCE: IN ACCORDANCE WITH BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND
- ENGINEER. V. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.
- W. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL," "SHALL BE," "FURNISH," "PROVIDE," "A," "THE," AND "ALL" HAVE BEEN 4. AS-BUILTS AND EQUIPMENT OPERATION INSTRUCTIONS OMITTED FOR BREVITY.
- X. DEFINITIONS: 1) "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
- 2) "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
- 3) "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
- 4) "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
- 5) "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION. INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.

DEFINED ABOVE. 7) "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE,

- 2. SCOPE OF WORK
 - MANNER.
- THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME EXCEPT REQUIRED PROGRESS AND SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PAY 5. SHEET METAL WORK ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.
- THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES, BY OWNER, INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES
- SUPPLIED BY THE CONTRACTOR. ENGINEER.
- 3. SHOP DRAWINGS CONTRACTOR.
- B. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: 1) DUCTWORK LAYOUT AND SHEET METAL DESIGNS.
- 2) AIR OUTLETS. A. CONTRACTOR SHALL SUBMIT A PDF OR TIFF FILE TO ARCHITECT
- UNLESS OTHERWISE APPROVED, PROVIDE ALL MECHANICAL EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME. PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION
- SECTIONS
- WHETHER SPECIFIED OR NOT. PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER.



DIFFU	SER, GF	RILLE & F	REGISTE	ER SCHEDULE						
TAG	SERVICE	CFM RANGE (CFM/LF)	NECK SIZE (IN.)	FACE OVERALL DIMENSIONS W X L (IN.)	MATERIAL	MAX P.D (IN. WC)	NOISE CRITERIA (NC)	COLOR/FINISH	MANUFACTURER AND MODEL	NOTES
CD-A	SUPPLY	0-150	6"ø	24x24	STEEL	0.06	< 20	STANDARD WHITE	TITUS / TMS	-
EG-A	EXHAUST	0-300	-	12x12	STEEL	0.01	< 20	STANDARD WHITE	TITUS / 350RL	-
2. CO 3. PR	ORDINATE BOF OVIDE CABLE-	RDER TYPES WITH	H CEILING C PERS FOR D	IFFUSERS IN INACCESSIB		STALLED IN.	<u> </u>	•		

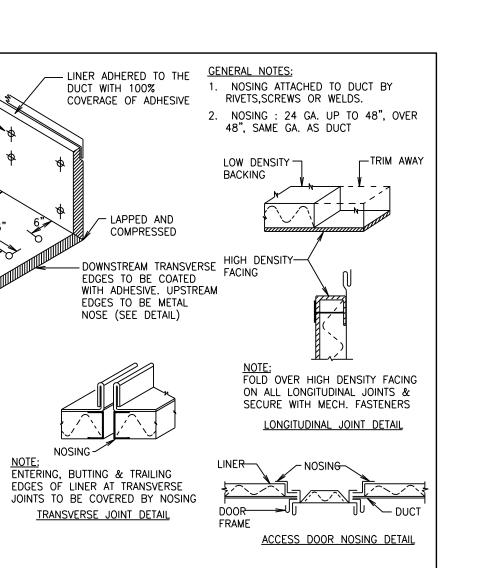
MBOL LIST			
	SINGLE LINE DUCTWORK OR EQUIPMENT - NEW	$\sum \frac{CD-A}{400}$	TYPE A CEILING DIFFUSER (400 CFM SUPPLY AIR)
	SINGLE LINE DUCTWORK OR EQUIPMENT - EXISTING	400	
— X- — - X — X —	DUCTWORK OR EQUIPMENT TO BE REMOVED		VANED ELBOW
·	DUCTWORK WITH ACOUSTICAL LINING		RADIUS ELBOW
	DUCTWORK UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE)		
	DUCT UNDER NEGATIVE PRESSURE (RETURN,EXHAUST, OR OUTSIDE AIR)		DUCT FLEXIBLE CONNECTION
L A A A A A A A A A A A A A A A A A A A	VOLUME DAMPER		
——————————————————————————————————————	FIRE DAMPER AND ACCESS DOOR	│	VERTICAL DUCT DROP (IN DIRECTION OF AIRFLOW)
BDD	BACK DRAFT DAMPER		VERTICAL DUCT DIGIT (IN DIRECTION OF AIRFEON)
M	MOTORIZED DAMPER		
M FSD/AD	COMBINATION SMOKE AND FIRE DAMPER (ELECTRIC) AND ACCESS DOOR		VERTICAL DUCT RISE (IN DIRECTION OF AIRFLOW)
ę	CENTER LINE	│	
¢	CUBIC FEET PER MINUTE		
Φ	DIAMETER	<u> </u>	THERMOSTAT
	AIRFLOW DIRECTION		SECTION DESIGNATION
ф	SQUARE FEET		SHEET NO. WHERE SECTION IS SHOWN
<u> </u>	LOUVER IN DOOR – MIN. 1.0 SF FREE AREA		NEW PIPE WITH DIRECTION OF FLOW
⊎C►	UNDERCUT DOOR		EXISTING PIPING
	POINT OF CONNECTION		PIPING TO BE REMOVED
	POINT OF DISCONNECTION		PIPE DROP
			PIPE RISE

6) "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS

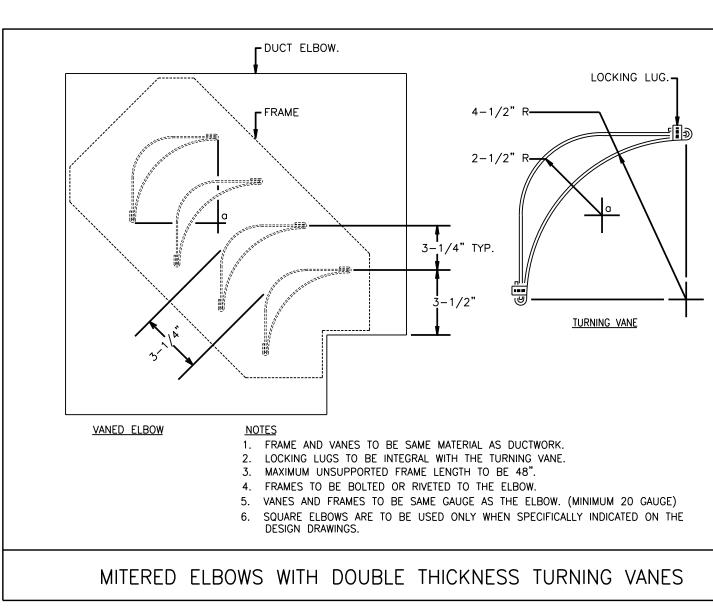
- DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.
- THE WORK UNDER CONTRACT INCLUDES ALL LABOR, MATERIALS AND APPLIANCES NECESSARY FOR THE FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR SAFE OPERATION OF THE SYSTEMS. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE

- AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, DUCTWORK, PIPING AND
- CONTROL SYSTEMS INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND
- A. INDICATE ON EACH SUBMISSION: PROJECT NAME AND LOCATION, ENGINEER, ITEM IDENTIFICATION AND APPROVAL STAMP OF PRIME
- THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
- SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACTOR AND SHALL BE REQUIRED
- MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY

- F. SHOW REFERENCE STANDARDS. PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES
- G. MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.
- H. THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEW ON AN HOURLY RATE, PAYABLE BY THE CONTRACTOR.
- PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.
- A. EXCEPT AS OTHERWISE SHOWN OR NOTED, ALL DUCTWORK AND OTHER SHEET METAL WORK SHALL BE RECTANGULAR GALVANIZED SHEET STEEL AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. DUCT CONSTRUCTION STANDARDS,
- PRESSURE CLASSIFICATION 2 IN. W.G., SEALANT CLASS A. B. TURNING VANES: GALVANIZED STEEL SMALL DOUBLE-THICKNESS VANES WITH 2 IN. INSIDE RADIUS.
- C. ALL DUCT DIMENSIONS INDICATED ON PLANS ARE INSIDE CLEAR DIMENSIONS.
- 6. AIR OUTLETS A. GENERAL:
 - 1) SUITABLE FOR OPERATION AT 20% EXCESS AND 20% LESS THAN NOTED CAPACITY FOR CONSTANT VOLUME SYSTEMS AND AT 20% EXCESS AND 60% LESS THAN NOTED CAPACITY FOR VARIABLE VOLUME SYSTEMS. MANUFACTURER RESPONSIBLE FOR EXAMINING APPLICATION OF EACH OUTLET AND GUARANTEE THAT EACH WILL PROVIDE REQUIRED NC LEVELS AND COMFORT SPACE CONDITIONS WITHOUT DRAFTS THROUGHOUT OPERATING RANGE.
- 2) SQUARE DIFFUSERS: DIFFUSERS SHALL BE STEEL CONSTRUCTION PAINTED WHITE. 7. NOISE CONTROL
- A. ALL ROOM NC LEVELS SHALL BE 35 OR LESS.
- B. PROVIDE SOUNDLINING FOR THE FOLLOWING DUCTWORK: 1) ALL DUCTWORK WITHIN MECHANICAL ROOMS AND NOT LESS THAN 20 FT ON EACH SIDE OF ALL FANS AND AC UNITS.
- 2) ALSO WHERE NOTED ON A DRAWING. C. SOUNDLINING IN DUCTWORK: FIBROUS GLASS, MINIMUM 3 LB DENSITY, 1 IN. THICKNESS, MAXIMUM 0.25 K FACTOR AT 75 DEG F MEAN TEMPERATURE WITH ACRYLIC COATED FINISH FACTORY APPLIED EDGE COATING AND STENCILED IN ACCORDANCE WITH NFPA 90. FLAMESPREAD SHALL BE A MAXIMUM OF 25. LINING SHALL NOT SUPPORT MICROBIAL GROWTH AND SHALL BE TESTED IN ACCORDANCE WITH ASTM C 1071 AND ASTM G21/G22. SIMILAR TO MANVILLE
- PERMACOTE LINA COUSTIC. D. ALL SOUNDLINING, ADHESIVES, FACES AND ACCESSORIES TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, EXCEPT AS OTHERWISE NOTED.
 - END OF SECTION



ACOUSTICAL DUCT LINER DETAIL





GENERAL NOTES

- 1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS . DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS
- IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT. 3. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- 4. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- 5. NEITHER ACCURACY NOR COMPLETENESS OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF
- THIS SECTION. 5. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S REQUIREMENTS. PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES SERVICE OR MAINTENANCE. . PROVIDE HANGERS, ANCHORS, INSERTS, SUPPLEMENTAL STEEL, AND SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING, AND EQUIPMENT FROM STRUCTURE.
- 9. RUN DUCTS AND PIPING CONCEALED WITHIN WALLS, CEILINGS, OR SOFFITS, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS. COORDINATE ROUTING WITH ARCHITECT AND CONSTRUCTION METHODS.
- 10. SPECIFICATIONS ARE PART OF THESE DOCUMENTS AND SCOPE OF WORK. 11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES
- 12. PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS. 13. CONTRACTOR SHALL COORDINATE THE FINAL INSTALLATION LOCATION OF THERMOSTAT, FIRE STROBES, FIRE PULL STATIONS, ETC. WITH ARCHITECT FOR ALIGNMENT WITH OTHER ROOM ELEMENTS FROM OTHER TRADES PRIOR TO FINAL ROUGH-IN.

AIR SYSTEMS

- 1. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS. ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS. ALL NEW SUPPLY DUCTWORK SHALL BE PROVIDED WITH MIN. 1" THICK INTERNAL ACOUSTICAL LINING, UNLESS OTHERWISE NOTED. 2. PROVIDE REQUIRED BRANCH SUPPLY DUCTWORK TO SERVE NEW AIR OUTLETS IN
- LOCATIONS INDICATED. ALL AIR OUTLETS SUPPLY DUCT BRANCH CONNECTIONS SHALL BE PROVIDED WITH MANUAL VOLUME DAMPER. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH ARCHITECTURAL
- 4. ALL DUCTWORK SHALL BE INSTALLED AT MAXIMUM HEIGHTS ALLOWABLE OR AS REQUIRED TO CLEAR NEW CEILING. DUCTWORK SHALL BE OFFSET AS REQUIRED
- CEILING PLAN DRAWINGS, LIGHTING, AND OTHER CEILING ITEMS. TO AVOID CONFLICTS EVEN IF NOT SPECIFICALLY INDICATED ON PLAN. 28X14 DN-

MECHANICAL DRAWING LIST

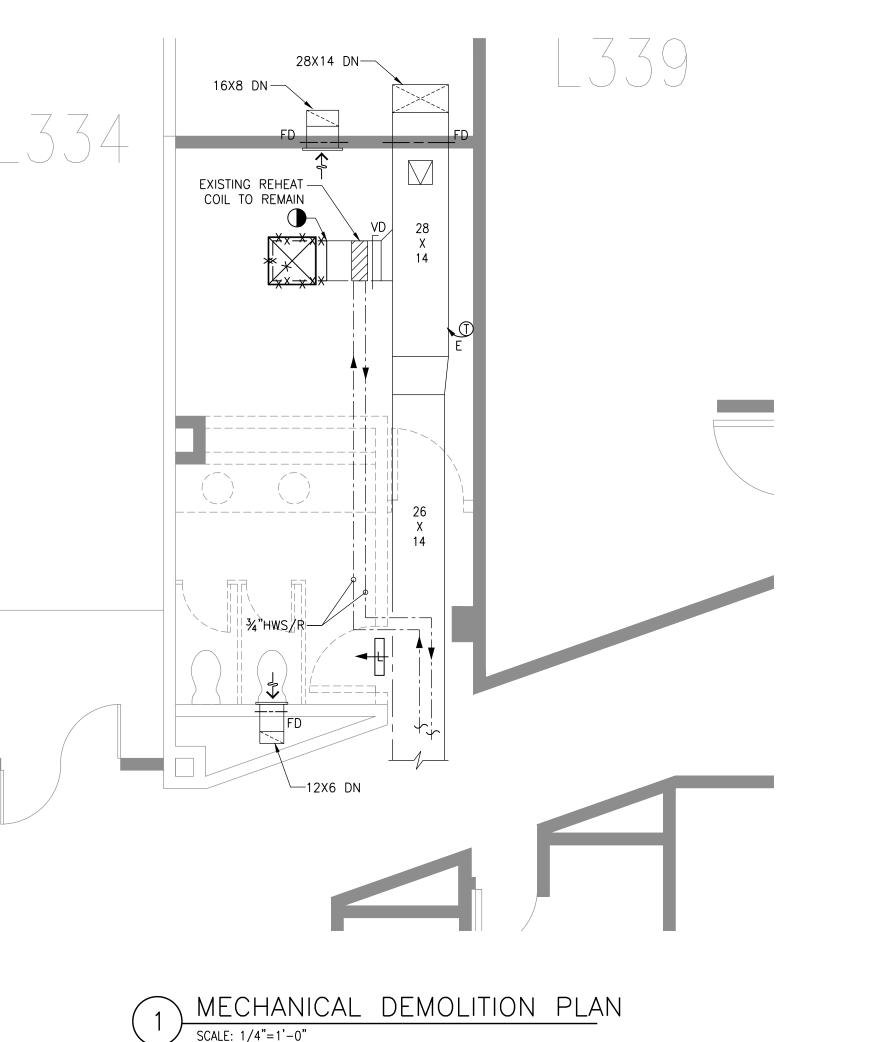
DEMOLITION NOTES

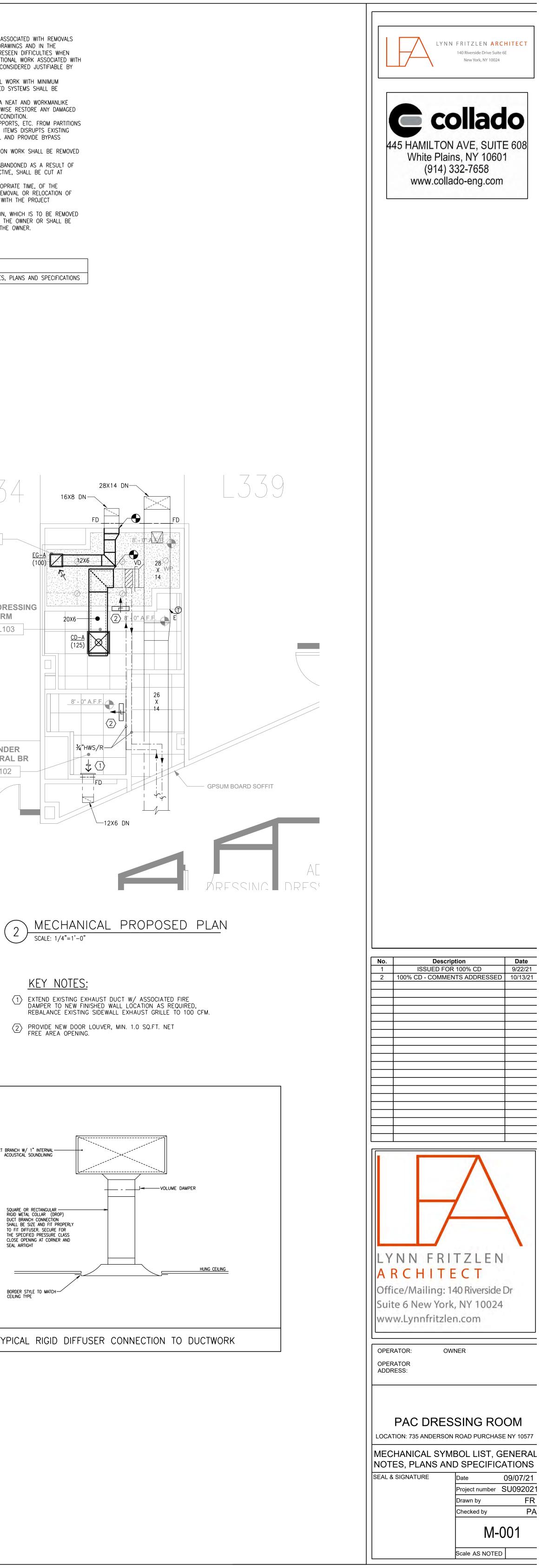
THE OWNER/ENGINEER.

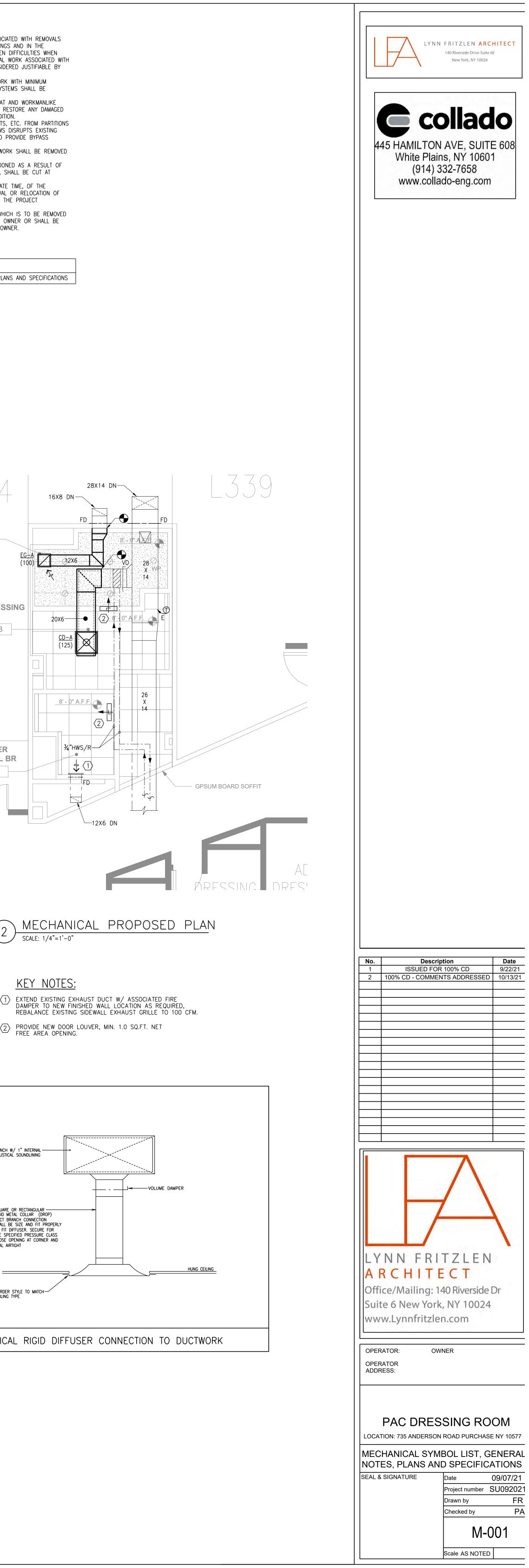
RECONNECTED AND RESTORED.

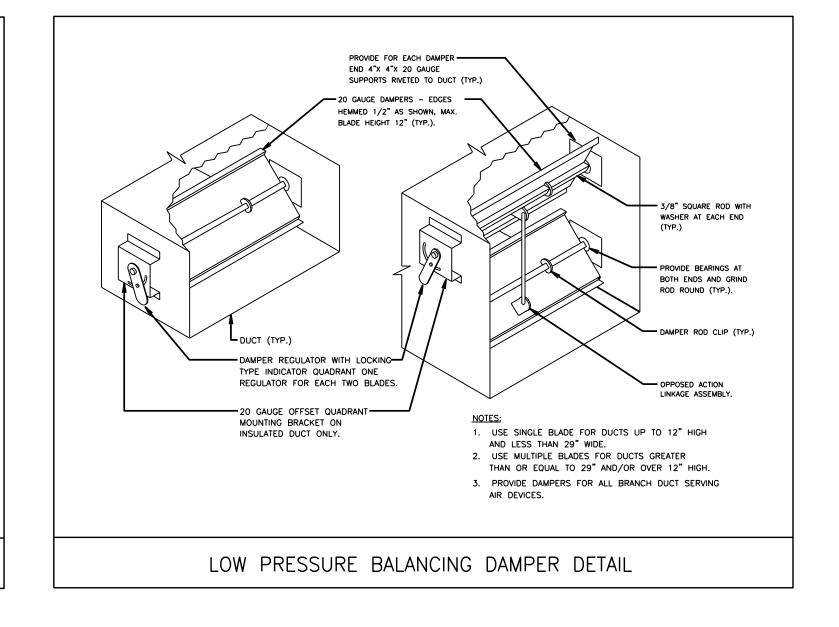
CONNECTIONS AS NECESSARY.

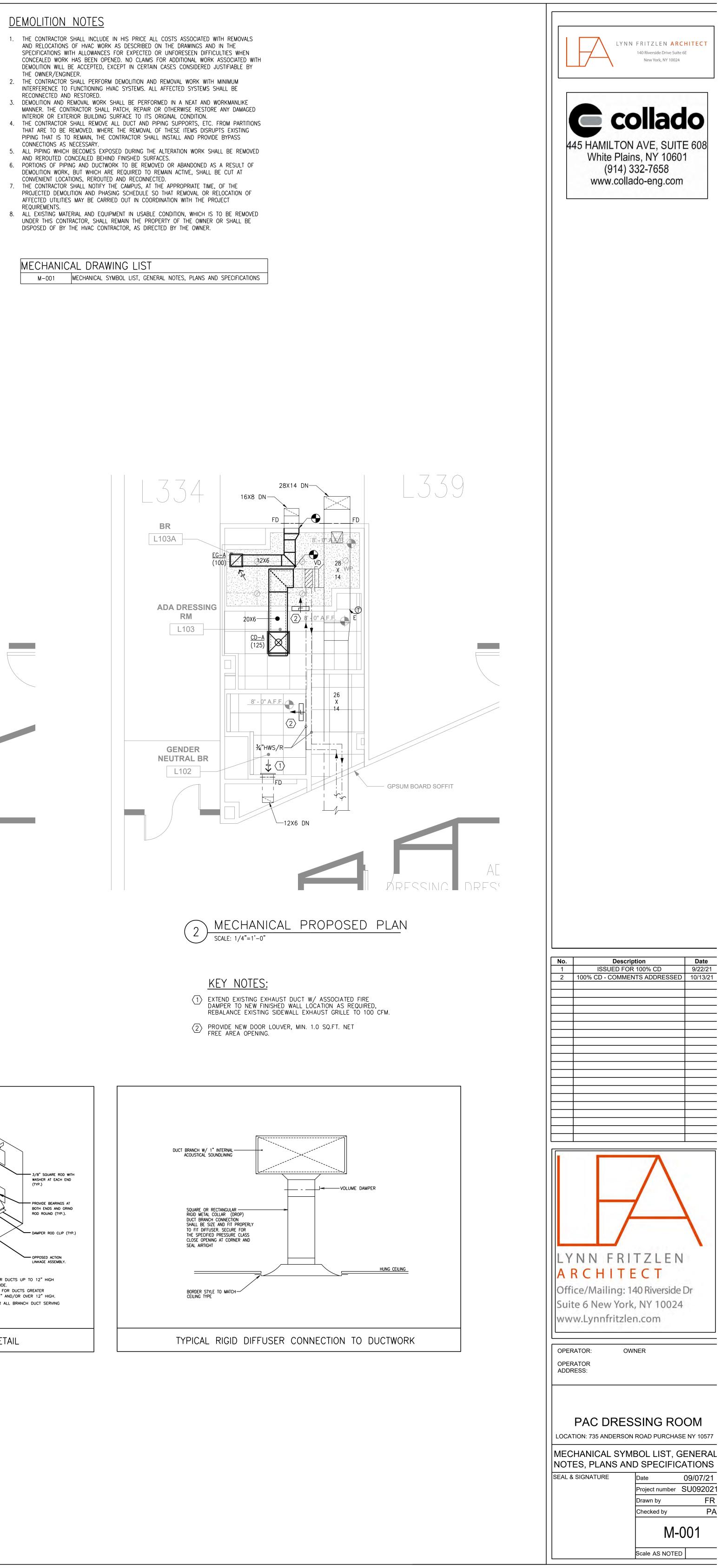
- REQUIREMENTS 8. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
- UNDER THIS CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE











Sheet Size: 36"x 4

MBOL LIST					REVIATIO
	ELECTRICAL AND IT DEVICES			@ A	"AT" OR "EACH
$\Phi_{_{GFI}}$	DUPLEX RECEPTACLE RATED AT 20 AMPS, 120 VOLTS. GFI = GROUND FAULT INTERRUPTOR			AC AF	ABOVE COUNTER AMPERE FRAME
∇	WP = WEATHERPROOF ENCLOSURE COMBINATION VOICE/DATA OUTLET BOX. PROVIDE (1) 1–1/2" EMT CONDUIT FROM OUTLET B TO ACCESSIBLE CEILING. U.O.N.	ох		AFF AL	ABOVE FINISHEE
	CEILING MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTI	ON		AT AWG	AMPERE TRIP
् अ	TO EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS. WALL MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION	то		BLDG	BUILDING
	EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS.			C CB	CONDUIT
	ELECTRICAL DISTRIBUTION			CKT CLG	CIRCUIT
	EXPOSED CONDUIT				CLOSET CONTINUATION
Ľ	FUSED DISCONNECT SWITCH. FUSE TO BE EQUAL TO OR LESS THAN THE WIRING AMPACITY.			СТ	CURRENT TRANS
	UNFUSED DISCONNECT SWITCH; SWITCH SIZE TO BE GREATER THAN OR EQUAL TO OVER CURRENT PROTECTION. U.O.N.			CU DB	COPPER DECIBEL
	CIRCUIT BREAKER			DEG DN	DEGREE DOWN
	HOMERUN NOTATION			DWG EA	DRAWING
IRCUIT NUMBER				EC	ELECTRICAL COM
A	UDIO/VIDEO AND SECURITY DEVICES			ELEC EM	ELECTRICAL EMERGENCY
	INTERCOM SYSTEM 'M' INDICATES MASTER INTERCOM. JUNCTION BOX FOR FUTURE CARD READER. PROVIDE EMPTY 1"C TO ACCESSIBLE CEILING.			EXT FDS	EXTERIOR FUSED DISCONN
	LIGHTING CONTROLS			FIXT FL	FIXTURE
	ASIS OF DESIGN: ACUITY CONTROLS TABLE MANUFACTURERS: WATTSTOPPER OR DOUGLA LIGHTING CONTROLS	S		FT G GFI	FEET OR FOOT GROUND GROUND FAULT
OSa	COMBINATION WALL OCCUPANCY SENSOR AND NON-DIMMING SWITCH. MODEL: WSX PDT WH			HV	HIGH VOLTAGE
<u>ت</u>	LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED.				
\$°	WALL SWITCH. REFER TO DRAWING 5/E-002 FOR LIGHTING CONTROLS WIRING DIAGRAM. MODEL: nPODMA				
Ψa	LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED.				
(MS)	CEILING-MOUNTED MOTION SENSOR. REFER TO DRAWING 5/E-002 FOR LIGHTING CONTROLS WIRING DIAGRAM MODEL: nCM PDT 9 RGB	5			
	LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED				
PPOS	POWER PACK. REFER TO DRAWING 5/E-002 FOR LIGHTING CONTROLS WIRING DIAGRAM. MODEL: nPP16				
	LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED.				
RICAL WORK		1	, API	PROVED I	R SHALL SUBMI
ERAL: A. THE "GENERAL CONDITIONS OF TH SPECIFICATIONS AS APPLICABLE AF		1 2	API FOF) UNI	PROVED I RWARDED LESS OTH AWINGS A	
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3	INST	INSTANTANEOUS
"	JB	JUNCTION BOX
	KVA	KILOVOLT AMPERE
	KW	KILOWATT
	LTG	LIGHTING
LOOR	LV	LOW VOLTAGE
	MAX	MAXIMUM
	МСВ	MAIN CIRCUIT BREAKER
NUGE	МСМ	THOUSAND CIRCULAR MILS
	MECH	MECHANICAL
	MIN	MINIMUM
	MLO	MAIN LUGS ONLY
	N	NEUTRAL
	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
	РВ	PULLBOX
RMER	РН	PHASE
	PWR	POWER
	RECEPT	RECEPTACLE
	REQ	REQUIRED
	RM	ROOM
	SECT	SECTION
	SP	SINGLE POLE
ACTOR	SPEC	SPECIFICATION
	SW	SWITCH
	SYS	SYSTEMS
	TBD	TO BE DETERMINED
T SWITCH	TEMP	TEMPERATURE
	TV	TELEVISION
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	UON	UNLESS OTHERWISE NOTED
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ELECTRICAL GENERAL NOTES

INSTALLATION.

- 1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER
- TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS. 2. PROVIDE PULLBOXES AS INDICATED, REQUIRED BY CODE AND WHEREVER NECESSARY TO
- FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES. 3. COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
- 4. COORDINATE ALL EXPOSED CONDUIT RUNS WITH ARCHITECT PRIOR TO EXPOSED CONDUIT
- 5. SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY), EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART.
- 6. FOR COMPLETE LIGHT FIXTURES SPECIFICATIONS SEE ARCHITECTURAL SPECIFICATIONS & DRAWINGS.
- 7. VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
- 8. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

9. POWER INTERRUPTIONS ONLY PERMITTED AS APPROVED BY BUILDING MANAGEMENT.

- LIGHTING FIXTU FIXTURE SYMBOL FIXTURE TAG FIXTURE DESCRIPTION MANI COVE LIGHT 2X2 RECESSED LIGHT 4.5" RECESSED DOWNLIGHT CEILING-MOUNTED EDGE-LIT EXIT SIGN THE EXIT FIXTURE
- AND A PDF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE PARTIES FOR REVIEW. SSED & AGREED, PROVIDE ALL EQUIPMENT SUBMITTALS AND SHOP THE SAME TIME; AT LEAST, THREE WEEKS BEFORE A RESPONSE IS NSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE N SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO IN SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS. ANUFACTURER'S CATALOG; IT WILL NOT BE REVIEWED. SUBMIT ONLY PAGES THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT OF THE CONTRACT AND SHALL BE REQUIRED WHETHER SPECIFIED ARE NDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO D ARTICLE NUMBER. RDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING
- COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES. STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD /IDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE W THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME
- JBMITTALS WILL BE REVIEWED ON A HOURLY RATE, PAYABLE BY THE JBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT IEW FOR THE CONTRACTOR TO CORRECT. OWIN(

PING SYSTEMS

- HALL BE PROVIDED INDICATING THE AS-INSTALLED CONDITIONS OF THE WORK. DED TO THE ARCHITECT AFTER COMPLETION OF THE INSTALLATION.
- RM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE RNISH," "PROVIDE," "A," "THE," AND "ALL" HAVE BEEN OMITTED FOR BREVITY.
- ALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION RRED TO UNLESS SPECIFICALLY OTHERWISE NOTED. AND CONNECT COMPLETE WITH RELATED ACCESSORIES. PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR
- ALLATION. WIRE, BOXES AND RELATED ITEMS. MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES. JNDERGROUND OR "CONCEALED" AS DEFINED ABOVE. L IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.
- RIALS: NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND LISTED. RIES. INC., OR OTHER NATIONALLY APPROVED TESTING AGENCY AND BEARING THEIR PMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS AND WORKMANSHIP SHALL BE GUARANTEED AS DEFINED IN PARAGRAPH 2.C.
- 08 VOLT, 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL. FINISHED FLOOR TO CENTERLINE OF OUTLETS FOR: EPHONES: 1 FT-6 IN. T-0 IN.
- F DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN NOTED OR DIRECTED. DLING
- ION. MAINTENANCE AND REPAIR. MINOR DEVIATIONS SHALL BE PERMITTED. CHANGES EXTRA COST ARE NOT PERMISSIBLE WITHOUT REVIEW. GROUP CONCEALED IRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.
- NDUCTOR PASSING THROUGH SPLICE OR PULLBOX WITH A WHITE LINEN TAG, AND TERMINATION OF THE CIRCUIT.
- TED TYPE, FACTORY PAINTED. TO GRINNELL FIG. 281.
- O FEE AND MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS. SH WITH INSERTS. PERCENT OF RATING. DING CONSTRUCTION: INSERTS, BEAM CLAMPS, CANTILEVER BRACKETS OR OTHER
- ERVICES: TRAPEZE HANGERS OF BOLTED ANGLES OR CHANNELS. TRUCTION IS INADEQUATE: PROVIDE ADDITIONAL FRAMING. SUBMIT FOR REVIEW. ITS PURPOSE. DELIVER IN ORIGINAL SEALED CONTAINERS AND APPLY IN ISTRUCTIONS. COLORS SHALL BE AS SELECTED BY ARCHITECT OR ENGINEER. IPPED IN ZINC BASED PRIMER FOR: OUTLET BOXES, JUNCTION BOXES, CONDUIT RTS. ZINC BASED PRIMER WITH FINISH TO MATCH SURROUNDINGS SHALL BE USED IPMENT AND RACEWAYS. A FIELD-APPLIED ZINC BASED PRIME COAT SHALL BE
- ONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK SOILED OR CH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND

- I. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL SWITCHES, RECEPTACLES AND LIGHT FIXTURES SHALL BE VERIFIED WITH ARCHITECT. J. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
- 6. LOW-VOLTAGE DISTRIBUTION EQUIPMENT:
- A. PROVIDE COMPLETE EQUIPMENT INCLUDING: CIRCUIT BREAKERS.
- B. ALL EQUIPMENT SHALL CONFORM TO NEMA, ANSI AND IEEE STANDARDS.
- C. CIRCUIT BREAKERS: MOLDED CASE BREAKERS SHALL BE THERMAL-MAGNETIC, QUICK-MAKE-QUICK-BREAK, BOLT-ON TYPE, MANUALLY OPERATED WITH INSULATED TRIP-FREE HANDLE. TERMINALS SHALL BE SUITABLE FOR COPPER OR ALUMINUM CABLE. ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED. FRAMES, IC AND INTERCHANGEABLE TRIPS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
- 1) 120 VOLTS, 100-AMP FRAME: 10,000 AMPS, 1 POLE. 2) 240 VOLTS, 100-AMP FRAME: 18,000 AMPS, 2 AND 3 POLES
- F. BALANCE THE LOAD OVER PHASES WHEN NEW CIRCUITS ARE ADDED TO EXISTING PANELS. PROVIDE MULTI-CABLE LUGS WHERE REQUIRED. UPDATE DIRECTORIES ON EXISTING PANELBOARDS WHERE CIRCUITING IS CHANGED. G. TESTS: OPEN AND CLOSE LOAD BREAK SWITCHING DEVICES UNDER LOAD.
- . RACEWAYS:
- A. PROVIDE RACEWAYS COMPLETE WITH BOXES, FITTINGS AND ACCESSORIES. CONDUIT OR TUBING SIZES REFERRED TO IN SPECIFICATIONS AND ON DRAWINGS ARE NOMINAL DIAMETERS. MINIMUM DIAMETER SHALL BE 3/4 IN. B. MATERIALS
 - RACEWAYS: electrometallic tubing (emt): thin wall pipe, galvanized, threadless.
- 2) FITTINGS AND ACCESSORIES: a. ELECTROMETALLIC TUBING: COMPRESSION TYPE. GALVANIZED RIGID STEEL ELBOWS, 2 IN. OR LARGER.
- b. BUSHINGS: METALLIC INSULATED TYPE. 3) BOXES: a. OUTLET BOXES: EXCEPT AS OTHERWISE REQUIRED BY CONSTRUCTION, DEVICES OR WIRING, BOXES SHALL BE STAMPED STEEL, 4 IN. SQUARE OR OCTAGON FOR FIXTURES. BOXES ABOVE CEILING SHALL BE 1-1/2 IN. DEEP. BOXES IN CEILING OR SLAB SHALL BE 3 IN. DEEP. BOXES IN WALL FOR FIXTURES SHALL BE 2-3/4 IN. DEEP. BOXES IN WALL FOR RECEPTACLES AND SWITCHES SHALL BE 1-1/2 IN. DEEP. FURNISH WITH RAISED COVERS AND FIXTURE STUDS WHERE REQUIRED. WITHOUT FIXTURE OR
- DEVICE: FURNISH BLANK COVER. OFFSET BACK-TO-BACK OUTLETS WITH MINIMUM 6 IN. SEPARATION. b. JUNCTION AND PULL BOXES: GALVANIZED SHEET STEEL WITH SCREW-ON COVERS, EXCEPT AS NOTED. FURNISH WITH INSULATED SUPPORTS FOR CABLES. LOCATIONS SHALL BE AS NOTED OR REQUIRED AND ACCESSIBLE. POWER: DUPLEX RECEPTACLE OR OTHER AS NOTED. INCREASE SIZE TO SUIT AS NECESSARY

C. PROVIDE RACEWAYS ONLY AS HEREIN SPECIFIED, EXCEPT AS NOTED. RACEWAYS SHALL BE RUN CONCEALED, EXCEPT AS

- NOTED. PROVIDE RACEWAY SUPPORT UTILIZING CEILING TRAPEZE, STRAP HANGERS, OR WALL BRACKETS.
- SECURE ALL RACEWAYS TO SUPPORTS WITH PIPE STRAPS OR U-BOLTS. SPACING OF SUPPORTS SHALL BE A MINIMUM OF 10 FT ON CENTER FOR METALLIC RACEWAY. MOUNT SUPPORTS TO STRUCTURE MASONRY WITH TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION SHIELDS OR INSERTS IN CONCRETE AND BRICK, MACHINE SCREWS ON METAL, BEAM CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD, AND PAN THROUGH STRAPS IN METAL DECK. NAILS, RAWL PLUGS OR WOOD PLUGS SHALL NOT BE PERMITTED. WHERE REQUIRED BY STRUCTURE, FURNISH THROUGH BOLTS AND FISHPLATES. EXPOSED RACEWAYS SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS. PROVIDE CLEARANCE WITH WATER. STEAM OR OTHER PIPING (MINIMUM 3 IN. SEPARATION FROM STEAM AND HOT WATER PIPES, EXCEPT 1 IN. FROM PIPE COVER AT CROSSINGS AND 18 IN. FOR PARALLEL RUNS). FOR HUNG CEILING OUTLETS, RUN IN HUNG CEILING AND CONNECT TO CEILING SUPPORT CHANNELS. IN MASONRY AND POURED CONCRETE, RUN VERTICALLY ONLY.
- MAINTAIN GROUNDING CONTINUITY OF INTERRUPTED METALLIC RACEWAYS WITH GROUND CONDUCTOR, AND IN FLEXIBLE CONDUIT FOR FEEDERS AND MOTOR TERMINAL CONNECTIONS. EMT SHALL BE PERMITTED FOR BRANCH CIRCUITS ONLY, IN DRY LOCATIONS, DRY WALLS, HUNG CEILINGS, HOLLOW BLOCK WALLS AND FURRED SPACES. EMT SHALL NOT BE PERMITTED IN RAISED FLOORS.
- CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING. ALL COUPLINGS SHALL BE COMPRESSION TYPE. NO SET SCREW FITTINGS.
- EXPANSION FITTINGS SHALL BE INSTALLED AT RIGHT ANGLES WITH CLIP JOINT CENTERED IN EXPANSION JOINT. PROVIDE A LENGTH OF RUN IN ACCORDANCE MANUFACTURER'S RECOMMENDATIONS. PRESET FITTINGS SHALL ALLOW FOR TEMPERATURE VARIATION.
-). ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. OUTLET BOXES SHALL BE SET SQUARE AND TRUE WITH BUILDING FINISH. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRON OR GROUT IN WITH MASONRY. VERIFY OUTLET LOCATIONS IN FINISHED SPACES WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISHES.
- E. JUNCTION AND PULL BOXES SHALL BE LOCATED CLEAR OF OTHER TRADES. CONCEAL JUNCTION AND PULL BOXES IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. BOXES SHALL BE ACCESSIBLE. SUPPORT BOXES FROM BUILDING STRUCTURE, INDEPENDENT OF CONDUIT. PROVIDE FLOOR-TO-CEILING CHANNELS FOR MOUNTING ON DRYWALL AND LIGHTWEIGHT CONSTRUCTION. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILINGS SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURE. SECURE TO BLACK IRON SUPPORT.
- F. PERFORM CONTINUITY TESTS OF RESISTANCE OF FEEDER CONDUITS FROM SERVICE TO POINT OF FINAL DISTRIBUTION USING 1 CONDUCTOR RETURN. MAXIMUM RESISTANCE SHALL BE 25 OHMS. 8. WIRE AND CABLE:
- A. PROVIDE WIRE AND CABLE COMPLETE WITH ACCESSORIES. SIZE REFERENCE SHALL BE AWG EXCEPT AS NOTED.
- B. CONDUCTORS SHALL BE COPPER, ASTM STANDARD SOLID (NO. 10 AND SMALLER). GENERAL USE CABLING SHALL BE NO. 12 MINIMUM. AT 120 VOLTS AND OVER 100 FT CIRCUIT LENGTH PROVIDE NO. 10 MINIMUM.
- C. INSULATION SHALL BE RUBBER AND THERMOPLASTIC MEETING ASTM AND IPCEA STANDARDS. TYPE THW OR THWN SHALL BE UTILIZED FOR BRANCH CIRCUITS EXCEPT AS NOTED.
- D. METAL CLAD CABLE (MC) SHALL BE UTILIZED FOR BRANCH CIRCUITS IN DRY HOLLOW LOCATIONS, HUNG CEILINGS, AND BLOCK WALLS. WHEN USED IN LIEU OF WIRING IN CONDUIT, STATE IN PROPOSAL THAT PRICE IS BASED UPON THE USE OF MC.
- E. COLOR CODING SHALL BE AS FOLLOWS: 1) 120/208 VOLT SYSTEM:
 - BLACK FOR A PHASE RED FOR B PHASE BLUE FOR C PHASE

ELECTRICAL DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
- INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF THE POWER SUPPLY.

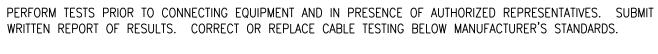
2. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH

- 3. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE
- RECONNECTED AND RESTORED. 4. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR
- EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION. 5. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL
- JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD. 6. ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- 7. ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
- 8. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
- 9. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT. SHALL REMAIN PROPERTY OF SUNY OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY SUNY.
- 10. MAINTAIN CONTINUITY OF CIRCUIT WIRING FOR ALL EXISTING DEVICES TO REMAIN. 11. DISCONNECT AND REMOVE ALL CONDUIT AND CABLE BACK TO POWER SOURCE FROM DEVICES/FIXTURES SLATED FOR REMOVAL.

URE SCHEDULE										
IUFACTURER	MODEL NUMBER	LAMP TYPE	VOLTS	WATTS						
CORONET	LSR1LED-4-35-LTG3-UNV	LED	UNV	40						
CORONET	TDCWLED-2X2-35-LTG1-UNV	LED	UNV	29						
CORONET	B4RC-16C3-35KS-40-S	LED	UNV	16						
LIGHT COMPANY	ELSM-R	LED	UNV	5						

2) NEUTRAL WIRE SHALL UTILIZE WHITE OUTER COVERING THROUGHOUT. EQUIPMENT GROUND WIRE SHALL UTILIZE GREEN OUTER COVERING THROUGHOUT. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION TO OVERLAP CONDUCTORS WITH 6 IN. OF COLOR TAPING IN ACCESSIBLE LOCATIONS.

- F. PROVIDE FLAMEPROOF LINEN OR FIBER TAGS IN ACCESSIBLE LOCATIONS. FOR FEEDERS INDICATE FEEDER NUMBER, SIZE, PHASE AND POINTS OF ORIGIN AND TERMINATIONS. FOR CONTROL AND ALARM WIRING, INDICATE TYPE (CONTROL OR ALARM), SIZE OF WIRE, AND POINTS OF ORIGIN AND TERMINATIONS.
- G. TERMINATIONS, SPLICES AND TAPS UNDER 600 VOLTS: COPPER CONDUCTORS NO. 10 AND SMALLER SHALL UTILIZE COMPRESSION-TYPE OF TWIST-ON SPRING-LOADED CONNECTORS AND CLEAR NYLON-INSULATED COVERING. CABLE LUGS AND CONNECTORS SHALL UTILIZE COMPRESSION TYPE OF SAME METAL AS CONDUCTOR. PROVIDE TO MATCH CABLE, WITH MARKING INDICATING SIZE AND TYPE. COPPER LUG CONNECTIONS TO BUS BARS: USE ANTISEIZE COMPOUND ON TANG.
- H. NOT MORE THAN 3 LIGHTING OR CONVENIENCE OUTLET CIRCUITS SHALL BE INSTALLED IN ONE CONDUIT UNLESS OTHERWISE INDICATED. PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 'F.
- I. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS.
- J. PERFORM CONTINUITY AND INSULATION TESTS. MEGGER TEST 10 PERCENT OF BRANCH CIRCUITS.



- DEVICES: A. PROVIDE COMPLETE MATERIAL AND ACCESSORIES AS NOTED.
- B. INSERTION RECEPTACLES SHALL BE SPECIFICATION GRADE DUPLEX CONVENIENCE 125 VOLTS, 2 POLE, 3 WIRE, U GROUND SLOT. GROUNDED, EXCEPT AS NOTED. MEETING NEMA STANDARDS, PUBLICATION WD-1-1971. SIMILAR TO PASS & SEYMOUR NOS. 26342W (20 AMP) AND 26242W (15 AMP).
- 1) SINGLE, EXCEPT AS NOTED:
- a. 20 AMP STRAIGHT BLADE, SIMILAR TO PASS & SEYMOUR NO. 5361W.
- b. 125 VOLT, 2 POLE, 3 WIRE, GROUNDED.
- 2) GROUND FAULT INTERRUPTER RECEPTACLES:
- a. FEED-THRU TYPE. SIMILAR TO PASS & SEYMOUR NOS. 2097W (20 AMP) AND 1597W (15 AMP).
- C. PILOT LIGHTS: NEON LAMP, SIMILAR TO PASS & SEYMOUR NO. 2151W, WITH 125 VOLT LAMP.
- D. DEVICE PLATES: SEE ARCHITECT FOR TYPE. FOR RECEPTACLES WITH OTHER THAN 120 VOLT, INSCRIBED VOLTAGE AVAILABLE.
- E. COLORS: COORDINATE COLORS WITH ARCHITECT.
- F. MOUNTING ORIENTATION OF RECEPTACLES (HORIZONTAL OR VERTICAL): COORDINATE WITH ARCHITECT.
- 10. LIGHTING FIXTURES:
 - A. PROVIDE FIXTURES ("LUMINARIES"), COMPONENTS AND LAMPS. FIXTURES SHALL BE COMPLETELY FACTORY ASSEMBLED, WIRED AND EQUIPPED WITH ALL NECESSARY SOCKETS, BALLASTS, SUPPORTING HARDWARE AND ACCESSORIES. REFER TO DRAWINGS FOR INDIVIDUAL FIXTURE DESCRIPTIONS.
 - B. FIXTURE CATALOG NUMBERS USED TO ILLUSTRATE EQUIPMENT TYPE DO NOT NECESSARILY DENOTE REQUIRED MOUNTING EQUIPMENT OR ACCESSORIES. PROVIDE ACCESSORIES TO SUIT.
 - 11. LIGHTING CONTROLS:

13. GROUNDING

14. FIRESTOPPING

A. QUALITY ASSURANCE:

- A. BASIS OF DESIGN FOR ALL LIGHTING CONTROL SYSTEMS AND DEVICES IS ACUITY LIGHTING CONTROLS. OTHER ACCEPTABLE MANUFACTURERS ARE:
 - a. SENSOR SWITCH LIGHTING CONTROLS b. WATTSTOPPER LIGHTING CONTROLS c. DOUGLAS LIGHTING CONTROLS
- d. OTHER APPROVED EQUAL. B. ALL OCCUPANCY/VACANCY SENSORS SHALL BE WIRED TYPE UNLESS OTHERWISE NOTED. ROOMS CONTAINING MOVING

ADJUSTED TO ACHIEVE OPTIMAL COVERAGE AS REQUIRED.

THROUGH GROUND WIRES, CONDUIT RUNS, AND RELATED ITEMS.

EVIDENCE OF SUCCESSFUL TESTING.

SHALL BE WITHOUT JOINTS AND SPLICES OVER ITS ENTIRE LENGTH.

ALUMINUM OR COPPER CONDUCTORS.

INDICATED ON DRAWINGS.

PANELBOARD GROUND BUS.

- EQUIPMENT, SUCH AS MECHANICAL ROOMS, PUMP ROOMS, ETC. SHALL BE EQUIPPED WITH PIR SENSORS. ALL OTHER SPACES SHALL BE PROVIDED WITH DUAL TECHNOLOGY SENSORS.
- C. PROVIDE COMBINATION WALL SWITCH OCCUPANCY/VACANCY SENSORS AS INDICATED ON DRAWINGS. ALL COMBINATION SWITCH SENSORS SHALL BE LINE VOLTAGE TYPE.

- PACKS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS, AWAY FROM PUBLIC VIEW WHEREVER POSSIBLE.

F. ALL LIGHTING CONTROL COMPONENTS, INCLUDING BUT NOT LIMITED TO SENSORS, SWITCHES, AND POWER PACKS, SHALL BE

TESTED FOR PROPER OPERATION. THIS INCLUDES TIME DELAYS AND DIMMING FUNCTIONALITY. ALL SENSORS SHALL BE

L. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE GROUNDING SYSTEM CONSISTING IN ACCORDANCE WITH THE 2017

M. GROUND CONNECTORS SHALL BE TIN-PLATED ALUMINUM ALLOY, UL APPROVED AND STAMPED FOR USE WITH EITHER

N. GROUND CABLES SHALL BE BARE OR GREEN COLOR CODED, INSULATED, ANNEALED STRANDED TINNED COPPER WIRE AS

O. PROVIDE CONTINUOUS GROUND PATH FOR ALL ELECTRICAL CIRCUITS, FROM POINT OF UTILIZATION BACK TO SOURCE

P. ALL GROUND WIRES AND BONDING JUMPERS SHALL BE STRANDED COPPER INSTALLED IN CONDUIT. ALL GROUND WIRES

Q. PROVIDE GROUNDING TYPE BUSHINGS FOR CONDUIT TERMINATED THROUGH MULTIPLE CONCENTRIC KNOCKOUTS NOT FULLY

1) USE FIRESTOPPING SYSTEMS THAT HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. LISTING

BY UL (DIR), UL (FDR), FM (AG), OR ITS (DIR) IN THEIR CERTIFICATION DIRECTORIES WILL BE CONSIDERED

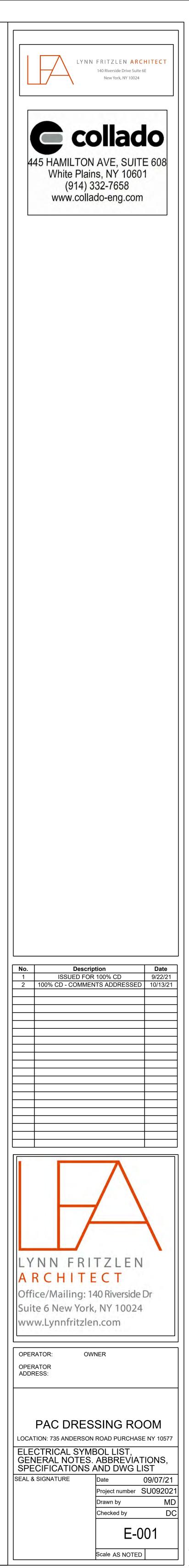
KNOCKED OUT, ON INSIDE OF PANELBOARDS AND LOAD CENTERS, GROUND BUSHING WITH #12 BARE COPPER TO

- D. ALL POWER PACKS SHALL BE CAPABLE OF SUPPORTING LIGHTING LOADS AS INDICATED ON DRAWINGS. POWER PACKS SHALL BE COMPATIBLE WITH LOAD DIMMING TYPE, WHERE REQUIRED (0-10V, ELV, 2-WIRE DIMMING, ETC.). ALL POWER

E. IDENTIFY ALL CONTACTORS, AND REMOTE LIGHTING CONTROL EQUIPMENT WITH LOAD SERVED.

ELECTRICAL DRAWING LIST

E-001 ELECTRICAL SYMBOL LIST, ABBREVIATIONS, GENERAL NOTES, SPECIFICATIONS AND DRAWING LIST E-002 ELECTRICAL PLANS, PANEL SCHEDULES, AND DETAILS



2) MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS FOR USE IN FIRE RATED ASSEMBLIES WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.

A. FIRESTOPPING ASSEMBLY REQUIREMENTS

GREATER THAN THE F-RATING.

PENETRATIONS.

INSTALLATION OF MATERIALS.

D. INSPECTION OF FIRESTOPPING SYSTEMS

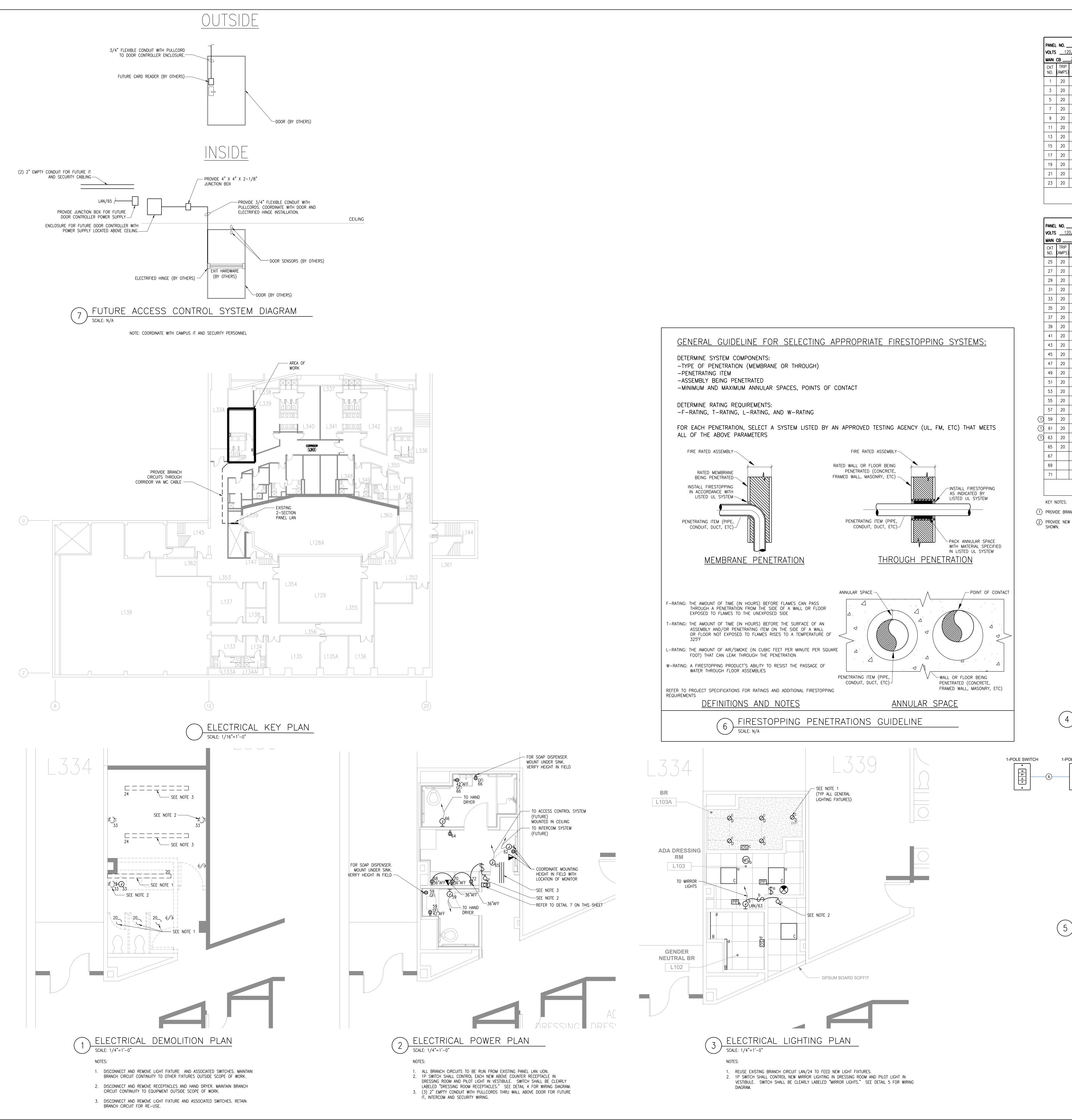
ALLOWED.

C. FIELD CONDITIONS

1) FOR MEMBRANE AND THROUGH PENETRATIONS, PROVIDE FIRESTOPPING MATERIALS TO CREATE A LISTED SYSTEM, FOR THE ASSEMBLY BEING PENETRATED AND FIELD CONDITIONS, THAT HAVE THE FOLLOWING PROPERTIES, EXCEPT AS OTHERWISE PERMITTED BY THE BUILDING CODE: a. FIRE RESISTANCE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW F-RATING EQUAL TO REQUIRED FIRE RATING OF PENETRATED ASSEMBLY. b. TEMPERATURE RISE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW T-RATING EQUAL TO OR c. AIR LEAKAGE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW L-RATING IS EQUAL TO OR GREATER THAN THE L-RATING OF JOINTS IN ASSEMBLY BEING PENETRATED. d. WATERTIGHTNESS: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO MEET A CLASS 1 W-RATING FOR FLOOR

1) COMPLY WITH FIRESTOPPING MANUFACTURER'S RECOMMENDATIONS FOR TEMPERATURE AND CONDITIONS DURING AND AFTER INSTALLATION; MAINTAIN MINIMUM TEMPERATURE BEFORE, DURING, AND FOR THREE DAYS AFTER 2) PROVIDE VENTILATION IN AREAS WHERE SOLVENT-CURED MATERIALS ARE BEING INSTALLED.

1) METHOD OF INSPECTION SHALL BE AT THE DISCRETION OF THE SPECIAL INSPECTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED INFORMATION, COORDINATE WITH SPECIAL INSPECTOR AT LEAST 10 DAYS IN ADVANCE OF FIRE STOP INSTALLATION, AND ARRANGE SITE ACCESS. CONTRACTOR SHALL COMPLETELY REMOVE AND RESTORE ALL FIRESTOPPING THAT HAS UNDERGONE DESTRUCTIVE TESTING. NO CLAIMS FOR ADDITIONAL COST OR TIME WILL BE 2) VISUAL INSPECTION: SPECIAL INSPECTOR SHALL BE ONSITE DURING INSTALLATION AND RANDOMLY WITNESS A MINIMUM OF 10% OF EACH TYPE OF FIRE STOP BEING INSTALLED. 3) DESTRUCTIVE TESTING: VERIFICATION OF FIRESTOPPING AFTER INSTALLATION HAS TAKEN PLACE. A MINIMUM OF 2%, BUT NOT LESS THEN ONE, OF EACH TYPE OF FIRE STOP SHALL BE INSPECTED PER FLOOR OR EACH AREA OF A FLOOR WHEN A FLOOR AREA IS LARGER THAN 10,000 SQ. FT.



	. NO		EXISTING	PANEL	-		Y		LYNN FRITZLEN ARCHITECT 140 Riverside Drive Suite 6E
VOLTS MAIN CKT		<u>0/208</u> ph <u>3</u> w <u>4</u> G <u>225A</u> bus <u>225A</u> min. Interruptii	1 NG RATING LOAD	<mark>G S</mark> PER PHASE KVA	Y MM. LOAD	SURFACE_MOUNTED MAIN_CB FEED_THRU_LU	IG TRIP		New York, NY 10024
	(AMPS) 20	DESCRIPTION OF LOAD EXISTING CIRCUIT	(KVA)	A B C 0	(KVA) 0	DESCRIPTION OF LOAD EXISTING CIRCUIT	(AMPS) 20	2	
3 5	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	4	C collado
7 9	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	8 10	445 HAMILTON AVE, SUITE 608 White Plains, NY 10601
11 13	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	12 14	(914) 332-7658 www.collado-eng.com
15 17	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	16 18	
19 21	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	20 22	
23	20	EXISTING CIRCUIT	0	0 0 0	0	EXISTING DRESSING ROOM LIGHTING	20	24	
VOLTS		<u>0/208</u> PH <u>3</u> W <u>4</u> G	EXISTING		[RECESSED MAIN LUG ONL' SURFACE MOUNTED MAIN CB FEED THRU LU			
MAIN CKT NO.	TRIP (AMPS)	- BUS 225A MIN. INTERRUPTI DESCRIPTION OF LOAD	LOAD (KVA)	D S PER PHASE KVA A B C	Y MM. LOAD (KVA)	DESCRIPTION OF LOAD	TRIP (AMPS)		
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29 31	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	30 32	
33 35	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	34 36	
37 39	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0 0	0	EXISTING CIRCUIT	20 20	38 40	
41	20 20 20		0	0	0		20 20 20	42	
45	20 20 20		0	0 0	0		20 20 20	46 48	
47 49 51	20 20 20		0	0	0		20 20 20	50 52	
53	20 20 20	EXISTING CIRCUIT EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0		20	52 54 56	
57	20	EXISTING CIRCUIT	0	0 0	0	EXISTING CIRCUIT	20 20 20	58	
) 59) 61	20 20 20	DRESSING RM L339 BR HAND DRYER DRESSING RM L339 LIGHTING CONTACTORS	0	0	0	DRESSING RM L339 TV	20 20 20	60 62 1	
63 65 67	20 20	DRESSING ROOM L339 MIRROR LIGHTING ACCESS CONTROL POWER SUPPLY (FUTURE) EXISTING SPACE		0	0	DRESSING RM L339 RECEPTACLE DRESSING RM L339 BR HAND DRYER DRESSING RM L339 COUNTER RECEPT	20 20 20	64 (1) 66 (1) 68 (2)	
67 69 71		EXISTING SPACE EXISTING SPACE EXISTING SPACE	0 0 0	0 0	0 0 0	DRESSING RM L339 COUNTER RECEPT DRESSING RM L339 COUNTER RECEPT DRESSING RM L339 COUNTER RECEPT	20 20 20	68 (<u>2</u>) 70 (<u>2</u>) 72 (<u>2</u>)	
		EXISTING SPACE		0 0 0	0		20		
		LAN/68				DRESSING ROOM L339 ABOVE COUNTER RECEPTACLES	-φ		
	4	DRESSING ROOM		ONTACTO	R	IN DRESSING ROOM, LABELE LABELED "DRESSING ROOM ROOM RECEPTACLES."	.E PILOT L D "DRESSI RECEPTALE	ING	No. Description Date 1 ISSUED FOR 100% CD 9/22/21 2 100% CD - COMMENTS ADDRESSED 10/13/21
(A)-	1-P(CONTROLLING LIGHT FIXT	(B) (B) (B) (C) TC TC URES DE	A B FROM BUILDIN FROM LINE [BLA FROM LINE [BLU GENERAL LIGHTING GRM L339 LIGHTIN	R LIGH G NEUT ACK] F LOAD NG COI HE PLA	(a) [BLUE] TO MIRROR LIGHTING LOAI NTROL. PROVIDE SWITCHES N. QUANTITY OF SWITCHES &	MO		
	5	N DESSING DOOM		WIRE LEGEND (LOW B (LINE	VOLTAG 1 VOLTAG	E)			LYNN FRITZLEN ARCHITECT Office/Mailing: 140 Riverside Dr Suite 6 New York, NY 10024 www.Lynnfritzlen.com
									PAC DRESSING ROOM LOCATION: 735 ANDERSON ROAD PURCHASE NY 10577 ELECTRICAL PLANS, PANEL SCHEDULES AND DETAILS SEAL & SIGNATURE Date 09/07/21 Project number SU092021 Drawn by MD Checked by DC E-002 Scale AS NOTED

							,		1	LYNN FRITZLEN ARCHITEC
VOLTS	120/2	<u>LAN SECTION 1 08 PH 3 W 4 C</u>	EXISTING PA			RECESSED MAIN LUG ONLY SURFACE MOUNTED MAIN CB FEED THRU LUG				140 Riverside Drive Suite 6E New York, NY 10024
MAIN CKT NO.	CB22 TRIP (AMPS)	5A BUS 225A MIN. INTERRUPTIN DESCRIPTION OF LOAD		R PHASE KVA	MM. LOAD (KVA)	DESCRIPTION OF LOAD	, TRIP (AMPS))		
1 3	20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0		0	EXISTING CIRCUIT EXISTING CIRCUIT	20	2	-	
5	20 20	EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT	20 20	4 6	-	C collado
7 9	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0 0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	8 10	-	445 HAMILTON AVE, SUITE 60 White Plains, NY 10601
11 13	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	12 14		(914) 332-7658 www.collado-eng.com
15	20	EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT	20	16	-	
17 19	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0 0	0	0	EXISTING CIRCUIT	20 20	18 20	-	
21 23	20 20	EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT EXISTING DRESSING ROOM LIGHTING	20 20	22 24		
			0	0 0					-	
		LAN SECTION <u>2</u> 08 ph <u>3</u> w 4 g	EXISTING PA	ANEL	_	RECESSED MAIN LUG ONLY SURFACE MOUNTED MAIN CB	,			
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27 29	20 20	EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT	20 20	28 30	-	
31	20	EXISTING CIRCUIT	0 0		0	EXISTING CIRCUIT	20	32	-	
33 35	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	34 36	-	
37 39	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0 0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	38 40	-	
41	20	EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT	20	42		
43 45	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20	44 46	-	
47 49	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0 0 0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	48 50	-	
51 53	20 20	EXISTING CIRCUIT EXISTING CIRCUIT	0	0	0	EXISTING CIRCUIT EXISTING CIRCUIT	20	52 54	-	
55	20	EXISTING CIRCUIT	0 0		0	EXISTING CIRCUIT	20	56	-	
57 59	20 20	EXISTING CIRCUIT DRESSING RM L339 BR HAND DRYER	0	0	0 0	EXISTING CIRCUIT EXISTING CIRCUIT	20 20	58 60		
61 63		RESSING RM L339 LIGHTING CONTACTORS DRESSING ROOM L339 MIRROR LIGHTING	0 0	0	0	DRESSING RM L339 TV DRESSING RM L339 RECEPTACLE	20 20	62 64		
65		CCESS CONTROL POWER SUPPLY (FUTURE)	0	0	0	DRESSING RM L339 BR HAND DRYER	20	66		
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GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES.
- BEFORE COMMENCING WORK. THE CONTRACTOR SHALL FILE ALL REQUIRED INSURANCE CERTIFICATES WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY THE GOVERNING NEW YORK STATE AGENCIES.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT REQUIRED FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
- 4. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE STIPULATIONS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT OR BOARD OF DIRECTORS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
- 6. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICALS,
- 7. PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- 8. ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- 9. THE CONTRACTOR SHALL DO ALL CUTTING. PATCHING. REPARING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB. 10. ALL PIPING AND WIRING SHALL BE REMOVED TO A POINT OF CONCEALMENT AND SHALL BE PROPERLY CAPPED OR PLUGGED.

NYS BUILDING DEPARTMENT PLUMBING NOTES

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, AND WATER DISTRIBUTION) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE 2020 NEW YORK STATE PLUMBING CODE. COMPLIANCE WITH THE FULL PROVISIONS OF ALL NEW YORK STATE BUILDING AND PLUMBING CODE ACCESSIBILITY REQUIREMENTS AND PLUMBING FIXTURE FLOW REQUIREMENTS OF THE 2020 NEW YORK STATE PLUMBING CODE.

- 1. THE SANITARY SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC301.
- 2. THE MATERIALS USED IN THE PLUMBING SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS PC302 AND PC303.
- 3. EQUIPMENT HOOK-UP AND THE JOINING SHALL BE IN COMPLIANCE WITH SECTIONS
- PC605 AND PC705. 4. THE INSTALLATION OF FIXTURES SHALL BE IN ACCORDANCE WITH PC CHAPTER 4.
- 5. TRAPS FOR FIXTURES AND DRAIN LINES SHALL BE PROVIDED AND CLEANOUTS INSTALLED
- IN COMPLIANCE WITH SECTIONS PC708 AND PC CHAPTER 10. VERTICAL AND HORIZONTAL PIPING SHALL BE HUNG AND SUPPORTED AS DIRECTED IN
- SPECIFICATIONS AND IN COMPLIANCE WITH SECTION PC308.
- 7. THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED IN COMPLIANCE WITH PC CHAPTER 6. 8. THE SANITARY DRAINAGE SYSTEM SHALL BE SIZED AND INSTALLED IN COMPLIANCE WITH
- PC CHAPTER 7.
- 9. THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING SHALL BE INSTALLED IN COMPLIANCE WITH SECTION PC702 & PC CHAPTER 9.
- 10. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC306.
- 11. RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC304.
- 12. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR WORKMAN AS PER SECTION PC311.

PLUMBING SPECIFICATIONS

1. GENERAL:

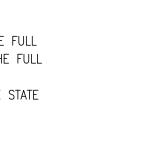
- A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," AIA DOCUMENT A201, LATEST EDITION AND THESE SPECIFICATIONS AS APPLICABLE ARE PART OF THIS CONTRACT. B. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO
- ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIAL WHICH VIOLATES ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AND TENANT AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- D. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF PIPE TO AVOID OBSTRUCTIONS. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- F. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- G. CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES, AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION.
- H. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK. I. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL
- PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS. FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
- J. THE LOCATIONS OF THE EXISTING SERVICES ARE BELIEVED TO BE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THESE SERVICES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
- K. SEAL OPENINGS THROUGH WALLS AND FLOORS WITH A U.L.-LISTED FIRESTOPPING ASSEMBLY.
- L. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.
- M. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED. AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- N. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- 0. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND ROUGH PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING.
- P. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS.
- Q. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF
- R. INSURANCE: IN ACCORDANCE WITH BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR ARCHITECT AND ENGINEER.

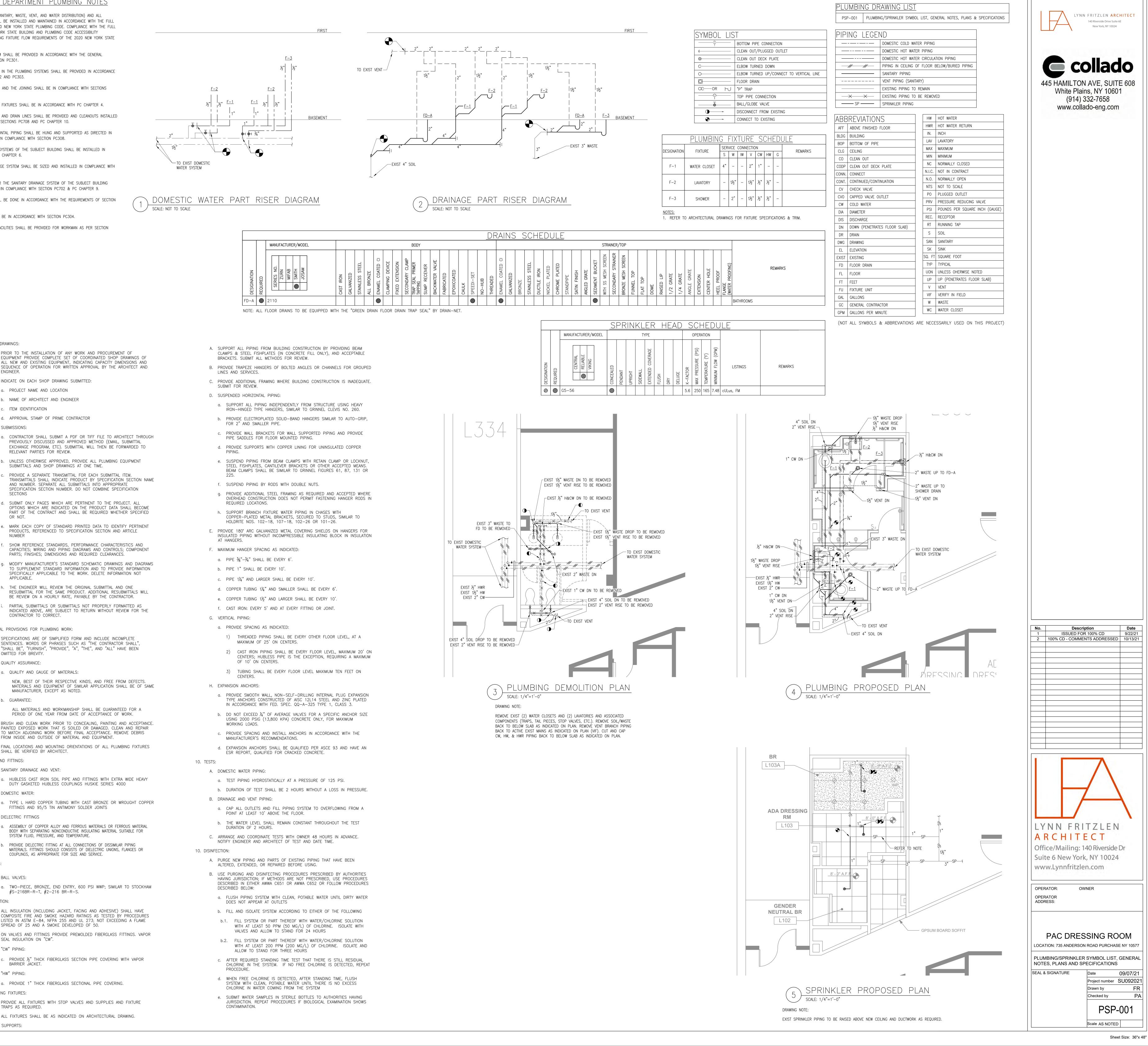
THE WORK.

2. SCOPE OF WORK:

- S. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.
- A. SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES & FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH THE NYS PLUMBING CODE AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.
- B. THE ARCHITECTURAL DRAWINGS, PLANS, DETAILS, SPECIFICATIONS AND SPECIFICATION ADDENDA ARE MADE PART OF THIS CONTRACT AND SHALL APPLY TO ALL WORK UNDER THE CONTRACT UNLESS OTHERWISE AMENDED, MODIFIED, SUPPLEMENTED OR SPECIFIED HEREIN.
- THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR BENEFICIAL OCCUPANCY OF SPACES BY OWNER INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.
- D. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.

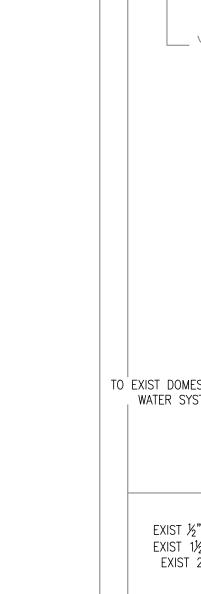
- 3. SHOP DRAWINGS:
 - A. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND FNGINFFR.
- B. INDICATE ON EACH SHOP DRAWING SUBMITTED: a. PROJECT NAME AND LOCATION
- b. NAME OF ARCHITECT AND ENGINEER
- c. ITEM IDENTIFICATION
- d. APPROVAL STAMP OF PRIME CONTRACTOR C. SUBMISSIONS:
- a. CONTRACTOR SHALL SUBMIT A PDF OR TIFF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
- b. UNLESS OTHERWISE APPROVED, PROVIDE ALL PLUMBING EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME.
- c. PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS
- d. SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACT AND SHALL BE REQUIRED WHETHER SPECIFIED OR NOT.
- e. MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER
- f. SHOW REFERENCE STANDARDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES.
- TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE. h. THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE
- RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEW ON A HOURLY RATE, PAYABLE BY THE CONTRACTOR.
- i. PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.
- 4. GENERAL PROVISIONS FOR PLUMBING WORK:
 - A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL" "SHALL BE", "FURNISH", "PROVIDE", "A", "THE", AND "ALL" HAVE BEEN
- OMITTED FOR BREVITY. B. QUALITY ASSURANCE:
- a. QUALITY AND GAUGE OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KINDS, AND FREE FROM DEFECTS. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.
- b. GUARANTEE:
- ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
- C. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK THAT IS SOILED OR DAMAGED. CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS
- FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT. D. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL PLUMBING FIXTURES
- SHALL BE VERIFIED BY ARCHITECT. 5. PIPE AND FITTINGS:
- A. SANITARY DRAINAGE AND VENT:
- a. HUBLESS CAST IRON SOIL PIPE AND FITTINGS WITH EXTRA WIDE HEAVY DUTY GASKETED HUBLESS COUPLINGS HUSKIE SERIES 4000
- B. DOMESTIC WATER: a. TYPE L HARD COPPER TUBING WITH CAST BRONZE OR WROUGHT COPPER
- FITTINGS AND 95/5 TIN ANTIMONY SOLDER JOINTS D. DIELECTRIC FITTINGS
- a. ASSEMBLY OF COPPER ALLOY AND FERROUS MATERIALS OR FERROUS MATERIAL BODY WITH SEPARATING NONCONDUCTIVE INSULATING MATERIAL SUITABLE FOR SYSTEM FLUID, PRESSURE, AND TEMPERATURE. b. PROVIDE DIELECTRIC FITTING AT ALL CONNECTIONS OF DISSIMILAR PIPING
- COUPLINGS, AS APPROPRIATE FOR SIZE AND SERVICE. 6. VALVES:
- A. BALL VALVES:
- a. TWO-PIECE, BRONZE, END ENTRY, 600 PSI WWP; SIMILAR TO STOCKHAM #S-216BR-R-T, #2-216 BR-R-S. 7. INSULATION:
 - A. ALL INSULATION (INCLUDING JACKET, FACING AND ADHESIVE) SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURES
 - LISTED IN ASTM E-84, NFPA 255 AND UL 273; NOT EXCEEDING A FLAME SPREAD OF 25 AND A SMOKE DEVELOPED OF 50. B. ON VALVES AND FITTINGS PROVIDE PREMOLDED FIBERGLASS FITTINGS. VAPOR
 - SEAL INSULATION ON "CW".
 - C. "CW" PIPING: c. PROVIDE $\frac{1}{2}$ " THICK FIBERGLASS SECTION PIPE COVERING WITH VAPOR
 - BARRIER JACKET. D. "HW" PIPING:
- a. PROVIDE 1" THICK FIBERGLASS SECTIONAL PIPE COVERING. 8. PLUMBING FIXTURES:
- A. PROVIDE ALL FIXTURES WITH STOP VALVES AND SUPPLIES AND FIXTURE
- TRAPS AS REQUIRED. B. ALL FIXTURES SHALL BE AS INDICATED ON ARCHITECTURAL DRAWING.
- 9. PIPING SUPPORTS:

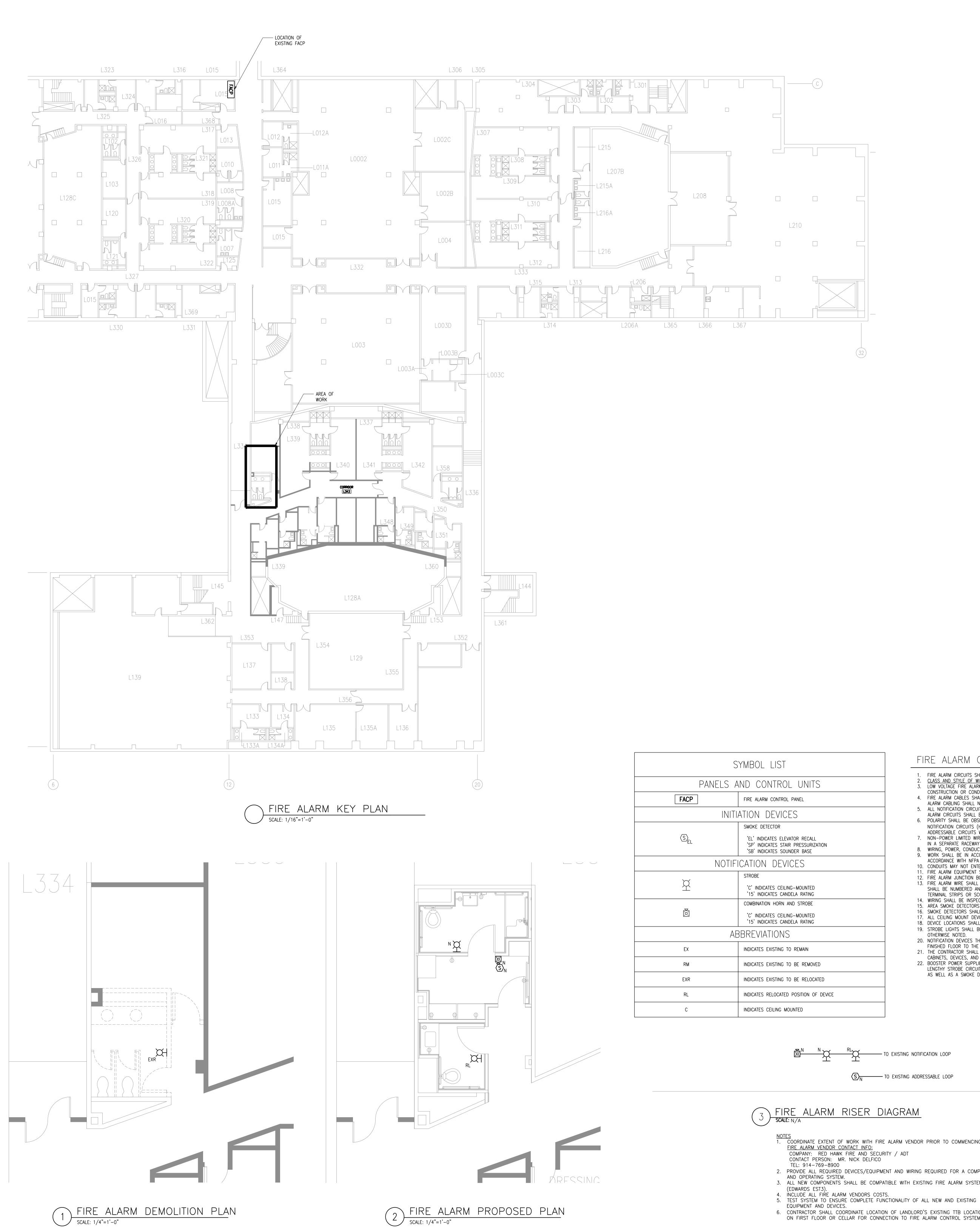




DESIGINATION	REQUIRED	SERIES NO. ZURN MIFAB SMITH JOSAM	CAST IRON	GALVANIZED	STAINLESS STEEL	ALL BRONZE	ENAMEL COATED	CLAMPING DEVIC	FIXED EXTENSION	ONDAR	TRAP SEAL PRIMEF TAPPING	SUMP RECEIVER	BACKWATER VALV	FABRICATED	EPOXICOATED	CAULK	SPEEDI-SET
FD-A		2110															۲
NOTE:	ALL	FLOOR DRAINS TO BE EQUIPPED WITH	H TH	IE "G	REEN	I DRA	IN FL	LOOR	DRA	IN TF	RAP S	SEAL"	ΒY	DRAIN	N-NE	Т.	

	CLAMPS &	SIEEL FISH	HPLAIES (II	N CONC	REIE FILL	_ UNLY)	, AND	AC
	BRACKETS.	SUBMIT AL	L METHODS	S FOR F	REVIEW.			
R	PROVIDE TE	RAPE7E HAN	IGERS OF	BOI TED	ANGLES	OR CHA	NNFLS	; F





SYMBOL LIST					
PANELS ,	AND CONTROL UNITS				
FACP	FIRE ALARM CONTROL PANEL				
INIT	IATION DEVICES				
	SMOKE DETECTOR				
(S) _{EL}	'EL' INDICATES ELEVATOR RECALL 'SP' INDICATES STAIR PRESSURIZATION 'SB' INDICATES SOUNDER BASE				
NOTIF	ICATION DEVICES				
N=/	STROBE				
· · · · · · · · · · · · · · · · · · ·	'C' INDICATES CEILING-MOUNTED '15' INDICATES CANDELA RATING				
	COMBINATION HORN AND STROBE				
	'C' INDICATES CEILING–MOUNTED '15' INDICATES CANDELA RATING				
A	BBREVIATIONS				
EX	INDICATES EXISTING TO REMAIN				
RM	INDICATES EXISTING TO BE REMOVED				
EXR	INDICATES EXISTING TO BE RELOCATED				
RL	INDICATES RELOCATED POSITION OF DEVICE				
С	INDICATES CEILING MOUNTED				

3 FIRE ALARM RISER DIAGRAM

- AND OPERATING SYSTEM.
- 4. INCLUDE ALL FIRE ALARM VENDORS COSTS.
- EQUIPMENT AND DEVICES.

6. CONTRACTOR SHALL COORDINATE LOCATION OF LANDLORD'S EXISTING TTB LOCATION ON FIRST FLOOR OR CELLAR FOR CONNECTION TO FIRE ALARM CONTROL SYSTEM.

2. PROVIDE ALL REQUIRED DEVICES/EQUIPMENT AND WIRING REQUIRED FOR A COMPLETE 3. ALL NEW COMPONENTS SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM

<u>NOTES</u> 1. COORDINATE EXTENT OF WORK WITH FIRE ALARM VENDOR PRIOR TO COMMENCING WORK.

FLOOR

SN TO EXISTING ADDRESSABLE LOOP

TO EXISTING NOTIFICATION LOOP

CABINETS, DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED. 22. BOOSTER POWER SUPPLIES SHALL BE PROVIDED AS NECESSARY FOR STROBE CIRCUIT DRAW AND LENGTHY STROBE CIRCUIT RUNS. PROVIDE A SEPARATE 120V POWER FEED FOR EACH BOOSTER AS WELL AS A SMOKE DETECTOR MOUNTED DIRECTLY ABOVE IT.

OTHERWISE NOTED. 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL ABANDONED FIRE ALARM

AREA SMOKE DETECTORS

FIRE ALARM AC FAILURE

FIRE ALARM SYSTEM LOW BATTERY

OPEN CIRCUIT

GROUND FAULT

6 |

18. DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR. 19. STROBE LIGHTS SHALL BE UL-1971 APPROVED/LISTED. THE MINIMUM CANDELA IS 15 UNLESS 20. NOTIFICATION DEVICES THAT INCLUDE A STROBE SHALL BE MOUNTED 80 INCHES OFF THE FINISHED FLOOR TO THE BOTTOM OF THE STROBE, NOT NECESSARILY THE ELECTRICAL BOX.

17. ALL CEILING MOUNT DEVICES SHALL BE SECURELY FASTENED TO BUILDING CONSTRUCTION.

16. SMOKE DETECTORS SHALL BE MOUNTED AT LEAST 3 FT AWAY FROM ANY AIR REGISTER.

TERMINAL STRIPS OR SCOTCH LOCKS. 14. WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS. 15. AREA SMOKE DETECTORS SHALL BE PHOTO-ELECTRIC TYPE.

13. FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. TERMINALS SHALL BE NUMBERED AND LABELED. CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED

12. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED.

11. FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND.

ACCORDANCE WITH NFPA 72. 10. CONDUITS MAY NOT ENTER THE TOP OF ANY FIRE ALARM CONTROL EQUIPMENT CABINET.

9. WORK SHALL BE IN ACCORDANCE WITH THE 2020 NEW YORK STATE BUILDING CODE AND IN

7. NON-POWER LIMITED WIRING, INCLUDING CIRCUITS FOR CENTRALIZED AMPLIFIERS SHALL BE RUN IN A SEPARATE RACEWAY . WIRING, POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET THE 2017 NEC.

NOTIFICATION CIRCUITS (HORN, STROBE OR SPEAKER). T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.

ALARM CIRCUITS SHALL BE 16 AWG MINIMUM.

5. ALL NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF 14 AWG AND OTHER LOW VOLTAGE FIRE 6. POLARITY SHALL BE OBSERVED ON ALL CIRCUITS. T-TAPPING SHALL NOT BE ALLOWED ON ANY

4. FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT.

CONSTRUCTION OR CONDUIT TO 8 FEET ABOVE THE FINISHED FLOOR.

1. FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY. <u>CLASS AND STYLE OF WIRE:</u> FIRE ALARM CIRCUITS SHALL BE WIRED NFPA CLASS B.
 LOW VOLTAGE FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING

FIRE ALARM GENERAL NOTES

