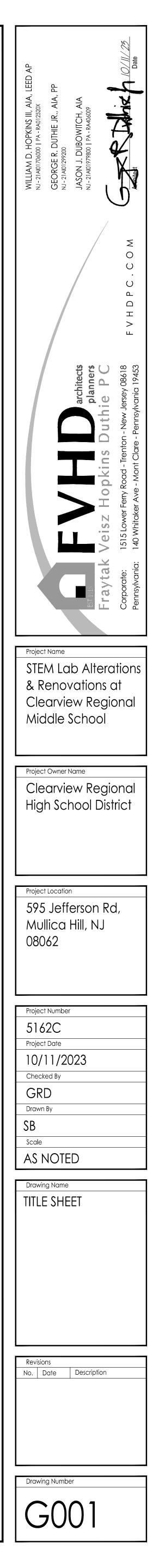


Clearview Regional Middle School

architects



ABBREVIATIONS						
ААСВ	Acrylic acoustical ceiling board	FA	Fire alarm	N		
A/C	Air conditioning	FB	Face brick	NIC		
AB ACB	Anchor bolt Acoustical ceiling board	FBRK FD	Fire brick Floor drain	NO NOM		
AD	Area drain	FE	Fire extinguisher	NRC		
ADJ ADJT	Adjacent Adjustable	FEC FES	Fire extinguisher cabinet Flared end section	NTS		
AFF	Above finished floor	FF	Finish floor			
AGG AL	Aggregate Aluminum	FFE FGL	Finished floor elevation Fiberglass	OA OC		
ALT	Alternating	FIN	Finish	OD		
alt. BID anc	Alternate bid Anchor, Anchorage	FIX FLG	Fixture Flashing	OH OP		
ANOD	Anodized	FLR	Floor	OPG		
AP APX	Access panel	FND FR	Foundation Frame	OPP		
ARCH	Approximate Architect	FRP	Fiberglass reinforced polyester			
		FP FRT	Fire proof Fire retardant	PAR PBD		
BB.	Bottom of bank	FS	Floor sink	PC		
BD BIT	Board Bituminous	ft Ftg	Feet Footing	PCC PERI		
BF	Barrier Free	FUR	Furring	PG		
BLDG BLK	Building Block			PK PL		
BLKG	Blocking	GA	Gauge	P LAM		
BM	Bench mark Bottom	GB GC	Grab bar General contractor	PLAS PNL		
bot brg	Bearing	GCMU	Glazed concrete masonry unit	PNT		
BRK	Brick	GD	Grade, grading	PR		
BRZ BS	Bronze Both sides	GEP GF	Gypsum wall board epoxy painted Ground face	PTT PRTT		
BUR	Built up roof	GL	Glass, Glazing	PSF		
		GLB GP	Glass block Gypsum wall board painted	PSI PTD		
CAB	Cabinet	GPDW	Gypsum drywall	PTN		
CB CEM PLAS	Catch basin Cement plaster	gr Grd.f.blk	Grade Ground face block	PTR PVC		
CEP	CMU epoxy painted	GSFT	Glazed structural facing tile	PVMT		
CFL CHT	Counter flashing Ceiling height	gst gt	Glazed structural tile Grout	PWD		
CI	Cast iron	GV	Galvanized			
CJ CL	Control joint Centerline / closet	GVL GWB	Gravel Gypsum Wall Board	QT QTY		
CLG	Ceiling			Q11		
CLR CMU	Clear Concrete masonry unit	HB HD	Hose bib Head	R		
COL	Column	HDW	Hardware	RA		
CONC COND	Concrete Condition	HM HOR	Hollow metal Horizontal	RAD RBT		
CONST	Construction	HP	Highpoint	RCP		
CONT CONTR	Continuous Contractor	HR HTR	Hour Heater	RD RE		
COOL	Cooling	HVC	Heating & ventilation contractor	REF		
CP CPR	CMU Painted Copper			REFL REG		
CPT	Carpet	ID	Inside diameter	REM		
CPT - T CRS	Carpet Tile Course	INL INS	Inlet Insulate (d), (ion)	req res		
CSMU	Calcium silicate masonry unit	INT	Interior	RET		
CST CT	Cast stone Ceramic tile	INV	Invert	RFG RFH		
CTP	Clear tempered plate glass			RH		
CTR CWP	Counter Clear wire plate	JC JT	Janitor's closet Joint	RM RO		
CWI		JI	30111	ROW		
D DBL	Drain (s) Double	KCPL	Keene's cement plaster	RUB RV		
DBL	Drinking fountain	KIT	Kitchen	RWC		
DIM DIAM	Dimension Diameter	KPL	Kickplate			
DK	Deck			S		
	Dry marker board	L LAB	Length	SBS		
DN DR	Down Door	LAM	Laboratory Laminate (d)	SEC SC		
DS	Downspout	LAV	Lavatory	SCH		
DW	Dumbwaiter	LDR LF	Leader Lineal foot/Linear feet	SCT SD		
-	Feet	LH	Left-hand	SFGL		
E EA	East Each	LL LOC	Liveload Location	sg shm		
EB	Exhibition Board	LPT	Low point	SHTH		
EC EF	Electrical contractor Exhaust fan	LTL LW	Lintel Lightweight	SIM SKL		
EIFS	Exterior insulated finish system	LWC	Lightweight concrete	SL		
ej, exp jt el	Expansion joint Elevation			SNT SOG		
ELEC	Electrical	MAS	Masonry	SP		
ELEV EMER	Elevator Emergency	MAT MAX	Material Maximum	SPAC'G SPEC		
ENC	Enclosure	MC	Mechanical contractor	SPF, BLK		
ENTR EOP	Entrance Edge of paving	MECH MED	Mechanical Medium	SPK SQ		
EP	Epoxy paint	MET	Metal	SQ. FT.		
EPDM EQ	Ethylene propylene diene monomers Equal	MFR MH	Manufacturer Manhole	SST STD		
EQP	Equipment	MIN	Minimum	stg		
ERF ETR	Epoxy Resinous Flooring Existing To Remain	MISC MMB	Miscellaneous Membrane	STR SUS		
ETR-R	Existing To Remain - Refinished	МО	Masonry opening	SWF		
etz ewc	Epoxy Terrazzo Electric water cooler	MOV MR	Movable Mop receptor	SYN SYS		
EXB	Expansion bolt	MT	Marble threshold	010		
EXG EXP	Existing	MTD MTFR	Mounted Metal furring			
EXP EXT	Exposed Exterior	MULL	Mullion			

North	Т	Tread
Not in contract	TB.	
		Top of bank
Number	TC	Terra cotta
Nominal	TEL	Telephone
Noise reduction coefficient	T&G	Tongue and groove
Not to scale	TG.	Top of grate
	tgr	Top of grade
	THK	Thick
Overall	THR	Threshold
On center	TKS	Tackstrip
Outside diameter	TLT, TOIL	Toilet
Overhead	TOC	Top of curb
Opaque	TOM	Top of masonry
	TOP	
Opening		Top of plank
Opposite	TOS	Top of steel
	TPD	Toilet paper dispenser
	TPG	Tempered plate glass
Parallel	TPTN	Toilet partition
Particleboard	TV	Television
Plumbing contractor	TYP	Typical
Precast concrete	ΤΖ	Terrazzo
Perimeter		
Plate glass		
Parking	UC	Undercut
Plate	ÜL	Underwriter's laboratory
Plastic laminate	UNO	Unless noted otherwise
Plaster	UR	Urinal
Panel	UK	onna
Paint (ed)	\/ A T	Vinul ashastas tila
Pair Bracast Tamana Tila	VAT	Vinyl asbestos tile
Precast Terrazzo Tile	VB	Vapor barrier
Precast Resilient Terrazzo Tile	VCT	Vinyl composition tile
Pounds per square foot	VERT	Vertical
Pounds per square inch	VEST	Vestibule
Paper towel dispenser	VIF	Verify In Field
Partition	VIN	Vinyl
Paper towel receptor	VNR	Veneer
Polyvinyl chloride	VTR	Vent thru roof
Pavement		
Plywood		
	W	West
	W/	With
Quarry tile	W/O	Without
Quantity	WB	Wood base
	WC	Water closet
	WD	Wood
Riser	WDW	Window
Return air	WG	Wire glass
Radius	WH	Wall hung
	WIN	Window
Rubber tile		
Reinforced concrete pipe	WM	Wire mesh
Roof drain	WP	Waterproofing / Work point
Reinforce (d), (ing)	WPT	Work point
Reference (s)	WR	Water repellent
Reflected	WS	Waterstop
Register	WSCT	Wainscot
Remove	WTW	Wall to wall
Required	WWF	Welded wire fabric
Resilient		
Return		
Poofing		

Roof hatch Right hand

Resilient Return Roofing

Room

South

Security

Similar

Skylight Sleeve

Sealant

Standard

Synthetic

System

Rough opening Right of way Rubber, base Radon vent Rain water conductor

Styrene butadiene styrene

Solid core Schedule Structural clay tile

Storm drain Safety glass Security glazing

Security hollow metal Sheathing

Slab on grade

Soundproof Spacing Specification

Split face block Speaker

Square Square foot / feet Stainless steel

Seating Structural Suspended

Security Window Film

GENERAL NOTES

- 1. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (10) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.
- 2. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.
- 3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.
- 4. DO NOT SCALE THE DRAWINGS.
- 5. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY. 6. MATERIALS LISTED ON THE FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED, REFER TO PLANS, DETAILS, INTERIOR ELEVATION, CEILING PLANS, AND NOTES FOR THOSE MATERIALS NOT INDICATED ON THE SCHEDULE
- BUT ARE STILL REQUIRED IN THE ROOM. 7. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISC. METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK.
- 8. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE.
- 9. CALL BEFORE YOU DIG. BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.
- 10. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.
- 11. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.
- 12. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.
- 13. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.
- 14. IN ACCORDANCE WITH NJAC 5:23-6.6(i), ALL MATERIALS AND METHODS USED SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN N.J.A.C. 5:23-6.8, MATERIALS AND METHODS. 15. WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE,
- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING DETAIL. REFER TO G003 FOR DETAIL.

PLAN LEGEND

● FE-1	FIRE EXTINGUISHER XXXX - SEE DTL. XXXX
● FE-2	FIRE EXTINGUISHER XXXX - SEE DTL. XXXX
• FE-3	FIRE EXTINGUISHER XXXX - SEE DTL. XXXX
FE-K	FIRE EXTINGUISHER XXXX - SEE DTL. XXXX
-	2 HOUR FIRE WALL AS PER U.L. DES. # U905
	1 HOUR FIRE BARRIER ASSEMBLY AS PER U.L. DES. # U905 OR # U906

EGRESS LEGEND

$ \rightarrow$	PATH OF EGRESS TRAVEL
(L	BARRIER-FREE BUILDING ENTRANCE
XX	TRAVEL DISTANCE
XXXXX	ROOM NET SQUARE FOOTAGE

ROOM CAPACITY

(xx) XX

OCCUPANT LOAD - IBC 2021 NJ CHPT. 10

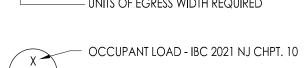
POSTED OCCUPANT LOAD - ALL ROOMS THAT ARE EXISTING,

RENOVATED OR CONSTRUCTED AS ADDITIONS UNDER THE

BUILDING EXIT CAPACITY



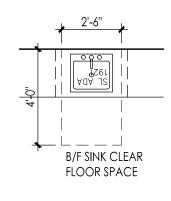
OCCUPANT LOAD - NJ REHAB. SUBCODE UNITS OF EGRESS WIDTH PROVIDED

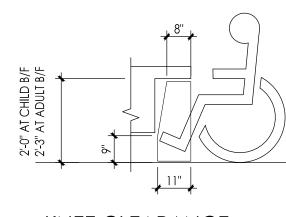


UNITS OF EGRESS WIDTH REQUIRED

XXX

NET CLEAR EGRESS WIDTH PROVIDED (IN INCHES)





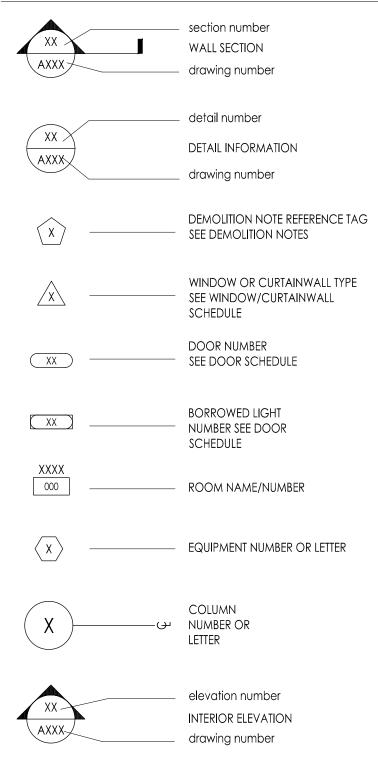
KNEE CLEARANCE

_____ 6"

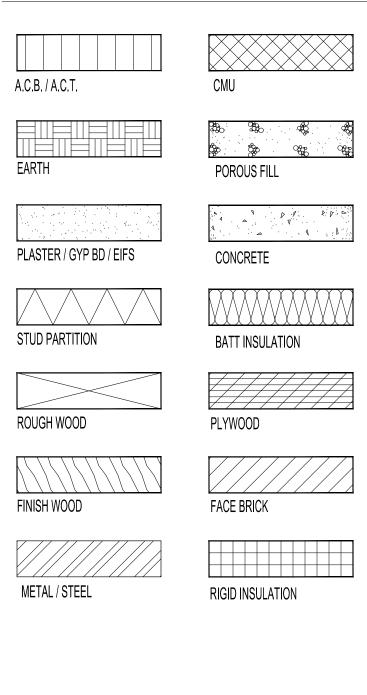
TOE CLEARANCE

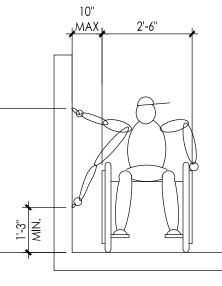
GENERA	
<u>G001</u>	
G002	GENERAL NOTES, DRAWING INDEX, AND ABBREVIATION INDEX
ARCHITI	ECTURAL
A101	EGRESS PLAN
A102	DEMOLITION, FLOOR, & REFLECTED CEILING PLANS; WALL PARTITION TYPES AND NOTES
A103	ROOF PLAN, DETAILS, AND NOTES
A301	WALL SECTIONS AND MISCELLANEOUS DETAILS
A401	ENLARGED ROOM LAYOUT
A601	DOOR & FRAME DETAILS, SCHEDULES, NOTES AND PLAN DETAILS
MECHA	NICAL
H001	HVAC SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
H101	HVAC FIRST FLOOR DEMOLITION PLAN
H102	HVAC ROOF DEMOLITION PLAN
H201	HVAC FIRST FLOOR NEW WORK PLAN
H202	HVAC ROOF NEW WORK PLAN
H501	HVAC DETAILS & SCHEDULES
H601	HVAC CHILLED WATER / HOT WATER DIAGRAMS
ELECTRI	CAL
E001	ELECTRICAL SYMBOL LEGEND
E101	LIGHTING AND POWER REMOVAL WORK
E201	LIGHTING AND POWER NEW WORK
E202	STEM LAB ROOF POWER AND FIRE ALARM NEW WORK
E701	ELECTRICAL DETAILS
PLUMBI	
P001	PLUMBING SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
P101	PLUMBING FIRST FLOOR DEMOLITION PLAN
P201	PLUMBING FIRST FLOOR NEW WORK PLAN
P501	PLUMBING DETAILS, DIAGRAMS, & SCHEDULES

SYMBOL LIST

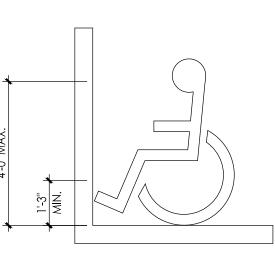


MATERIAL LEGEND

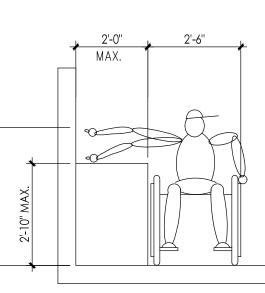




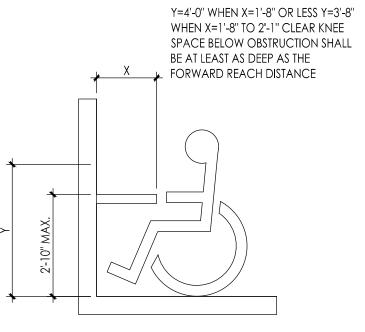
HIGH AND LOW UNOBSTRUCTED SIDE **REACH LIMITS**



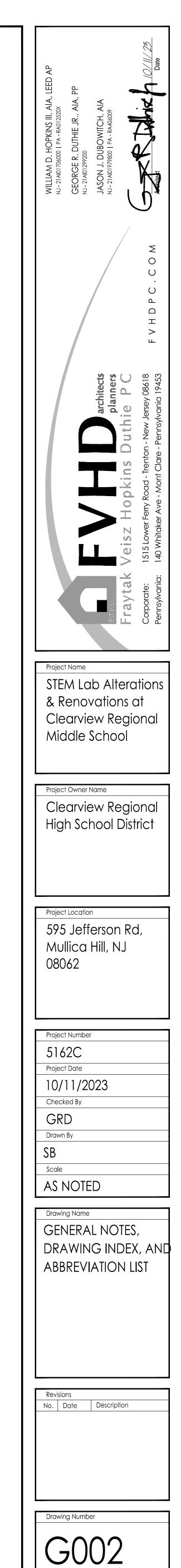
HIGH AND LOW UNOBSTRUCTED FORWARD REACH LIMITS

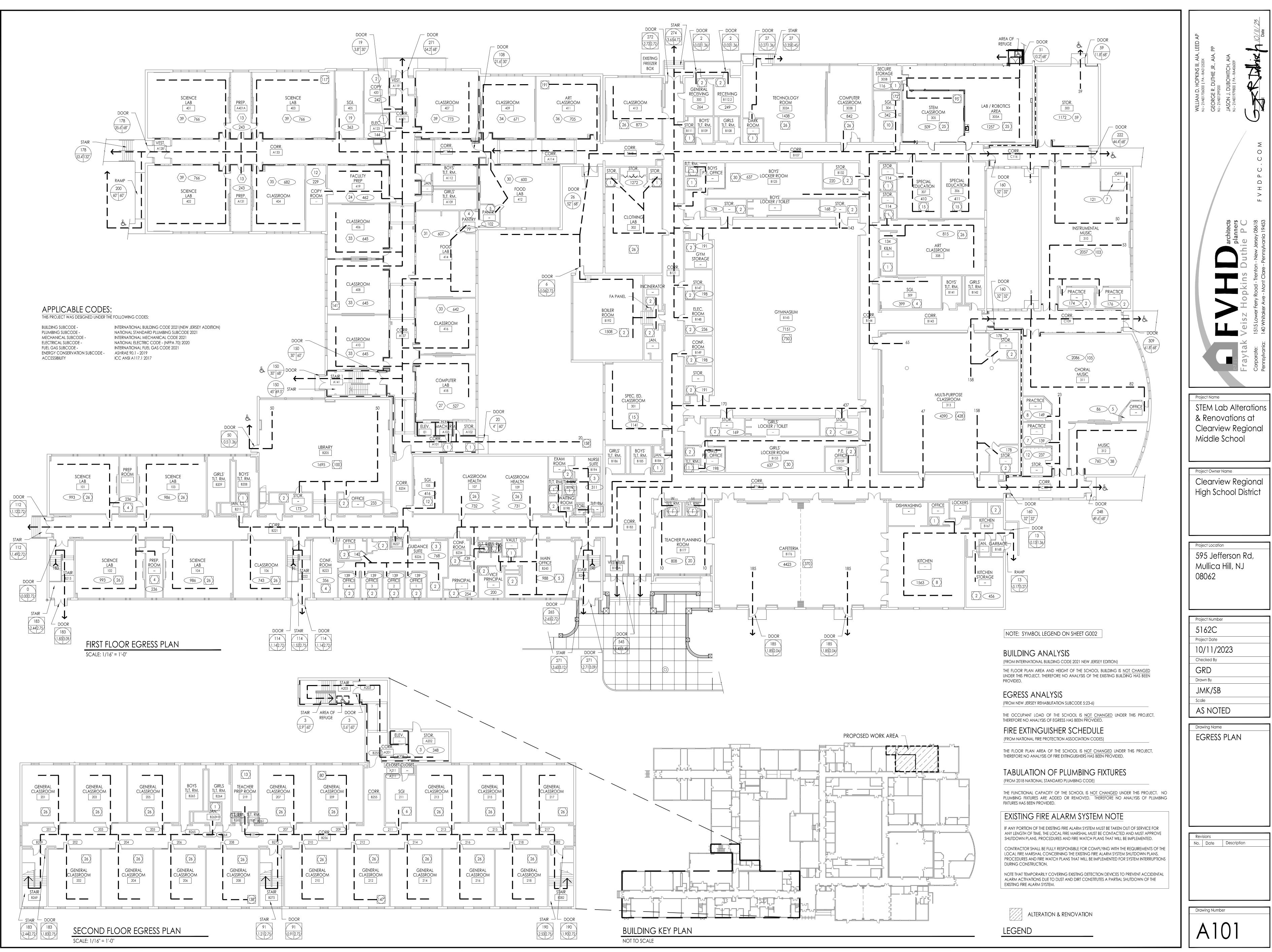


UNOBSTRUCTED SIDE **REACH LIMITS**



OBSTRUCTED FORWARD **REACH LIMITS**





GENERAL NOTES ON DEMOLITION:

THESE NOTES SHALL APPLY TO ALL DEMOLITION WORK THROUGHOUT THE PROJECT.

- A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.
- B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADES. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE CONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO
- THE OWNER. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE
- NEW CONSTRUCTION. E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.
- IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.
- THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.
- NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.
- THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.
- THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.
- THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.
- M. CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING SEE SPECIFICATION.
- N. THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE GENERAL CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM SITE.
- O. GENERAL CONTRACTOR TO RE-CAULK SEALANT AT ALL SOFT GAPS AT EXISTING COLUMNS AND MASONRY WALLS.

DEMOLITION / RENOVATION NOTES:

SEE GENERAL NOTES ON DEMOLITION ON THIS DRAWING. $\langle X \rangle$

GENERAL NOTE: THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

EXTERIOR SITE / BUILDING

- REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH AND HEIGHT AS INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE 8'-0" ABOVE FLOOR. INFILL OPENING WITH NEW ALUMINUM FRAME AND DOOR AND WALL CONSTRUCTION TO MATCH EXISTING AND LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. SEE FLOOR PLAN AND WALL SECTION. TOOTH-IN NEW BRICK AND CMU INTO EXISTING WALL PATTERN. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING TILE, PLASTER, ETC. SEE DOOR SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
- DEMOLISH EXISTING CONCRETE PAD, AND STEP IN ITS ENTIRETY. INSTALL NEW CONCRETE PAD AS SHOWN IN DETAIL 1/A301. MAINTAIN EXISTING FOOTING OF ADJACENT CURB AND BUILDING. PATCH AND REPAIR ALL DAMAGE CAUSED BY DEMOLITION TO MATCH EXISTING ADJACENT FINISH. . NOT USED

WALLS

- REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. PATCH, FILL, CLEAN, PRIME, AND PAINT EXISTING FRAME ON BOTH SIDES. ANY ADJACENT WALL SURFACE DAMAGED DURING DEMOLITION IS TO BE RESTORED TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. INSTALL NEW DOOR AND HARDWARE. SEE DOOR AND FRAME SCHEDULE.
- BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE 8" ABOVE NEW DOOR HEAD HEIGHT. INFILL OPENING WITH NEW DOOR AND FRAME CONSTRUCTION AND LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. NEW CMU SHALL BE TOOTHED INTO EXISTING ADJACENT CMU. CONSTRUCT WITH 1 HOUR RATED CONSTRUCTION (UL DES U905 OR U906) AT ALL CORRIDOR WALLS. SEE FLOOR PLAN AND DOOR SCHEDULE. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING BRICK, TILE, BASE, ETC. UNLESS SHOWN OTHERWISE ON PLANS.
- REMOVE METAL PANELS FROM FACE OF CMU WALL IN THEIR ENTIRETY. INFILL OPENING IN EXISTING WALL THAT IS NEWLY EXPOSED WITH MATCHING MATERIAL. PATCH ALL ADJACENT SURFACE DAMAGES CAUSED BY DEMOLITION TO MATCH NEW ADJACENT WALL SURFACES.
- FILL ALL HOLES IN THE EXISTING WALLS INCLUDING BUT NOT LIMITED TO THOSE THAT WILL BE EXPOSED AT COMPLETION, BEFORE PREPPING THE SURFACE FOR NEW FINISH.
- REMOVE EXISTING SIGNAGE TAG. PATCH AND REPAIR ANY DAMAGE CAUSED BY REMOVAL. PREPARE SURFACE TO RECEIVE REPLACEMENT OR NEW FINISH TO MATCH SURROUNDING.
- REMOVE RESIDUAL ADHESIVE FROM WALLS AND PATCH TO MATCH SURROUNDING SURFACE PRIOR TO APPLYING NEW FINISH, SEE ROOM FINISH
- . INFILL RATED WALL, INCLUDING BUT NOT LIMITED TO WHERE A HOLE, OPENING, FORMER THRU-WALL CONDUIT ETC. OCCURS WITH MATERIALS TO MAINTAIN WALL RATING. PATCH AND PREPARE SURFACE FOR NEW FINISH, SEE ROOM FINISH SCHEDULE.

FLOOR

SCHEDULE.

- PREPARE EXISTING PAINTED CONCRETE FLOOR AS REQUIRED BY NEW FLOORING MANUFACTURER. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOORING TYPES.
- 2. FLOOR MOUNTED ELECTRICAL "DOGHOUSES" AND FLUSH FLOOR BOXES TO BE REMOVED IN THEIR ENTIRETY. INFILL OPENINGS IN FLOOR WITH CONCRETE FLUSH WITH ADJACENT SURFACES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

13. NOT USED EQUIPMENT

- . EXISTING METAL SHELVING UNITS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION. REMOVE ALL WALL MOUNTED DEVICES INCLUDING BUT NOT LIMITED TO GOGGLE CABINET, SOAP AND TOWEL DISPENSERS, TACKSTRIPS, ETC. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN AREA OF WORK INCLUDING ADJACENT SURFACE TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE.
- REMOVE EXISTING WALL MOUNTED PROJECTOR AND SPEAKERS IN THEIR ENTIRETY. PATCH ALL DAMAGED CAUSED BY DEMOLITION TO MATCH ADJACENT SURFACES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE AND STORE EXISTING INTERACTIVE DRY MARKER BOARDS AND ALL APPURTENANCES. RELOCATE PER OWNER'S DISCRETION. PATCH AND REPAIR ANY HOLES LEFT BEHIND FROM INSTALLATION, PREP FOR NEW FINISH. SEE ROOM FINISH SCHEDULE.
- REMOVE "BRAKE-PAC" EQUIPMENT FROM WALL AND HAND OVER TO OWNER. PATCH, REPAIR ANY HOLES LEFT BEHIND FROM INSTALLATION, PREP FOR NEW FINISH. SEE ROOM FINISH SCHEDULE.
- REMOVE EXISTING CHALKBOARDS, EXHIBITION BOARDS AND MIRRORS IN THEIR ENTIRETY. IF WALL IS TO REMAIN, PATCH SUBSTRATE UP TO A MAXIMUM DEPTH OF 4" BEHIND REMOVED ITEMS TO PROVIDE A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. WHERE EXISTING BOARDS ARE RECESSED IN WALL FACE, INSTALL NEW SUPPORT BLOCKING TO SUPPORT NEW BOARDS INSTALLED OVER RECESS. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION. MATCH TO EXISTING ADJACENT FINISH.
- . REMOVE ALL EXISTING FIRE EXTINGUISHERS AND BRACKETS AND HAND OVER TO OWNER.
- REMOVE BELL, SPEAKER HORN AND ANALOG CLOCK FROM WALL. PATCH AND FILL OPENINGS FROM REMOVAL. PREP SURFACES TO RECEIVE NEW FINISHES, SEE ROOM FINISH SCHEDULE. HAND OVER ALL REMOVED EQUIPMENT TO OWNER. SEE RESPECTIVE MEP'S DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.

1. NOT USED

ELECTRICAL

2. RE-ESTABLISH NEW LOCATION OF FIRE-ALARM PULL STATION ACCORDING TO MEP'S NEW WORK PLAN ON RESPECTIVE DRAWINGS. AND RELOCATE EXISTING FIRE STROBES AT A HIGHER ELEVATION ON WALL OR IN DIFFERENT LOCATION ACCORDING TO MEP'S RESPECTIVE DRAWINGS. SEE "EXISTING FIRE ALARM SYSTEM NOTE".

EXISTING FIRE ALARM SYSTEM NOTE

INTERRUPTIONS DURING CONSTRUCTION.

IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM

NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.

AT NO CHANGE IN CONTRACT PRICE.

- PROTECTION DURING CONSTRUCTION.
- E. DO NOT SCALE THE DRAWINGS.

- IN THE ROOM.
- ALL SERVICE LINES.

GENERAL CONSTRUCTION NOTES:

THESE NOTES SHALL APPLY TO ALL WORK THROUGHOUT THE PROJECT

A. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (15) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME

3. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY

C. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.

D. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.

F. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.

G. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN

AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION. H. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.

DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.

J. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD,

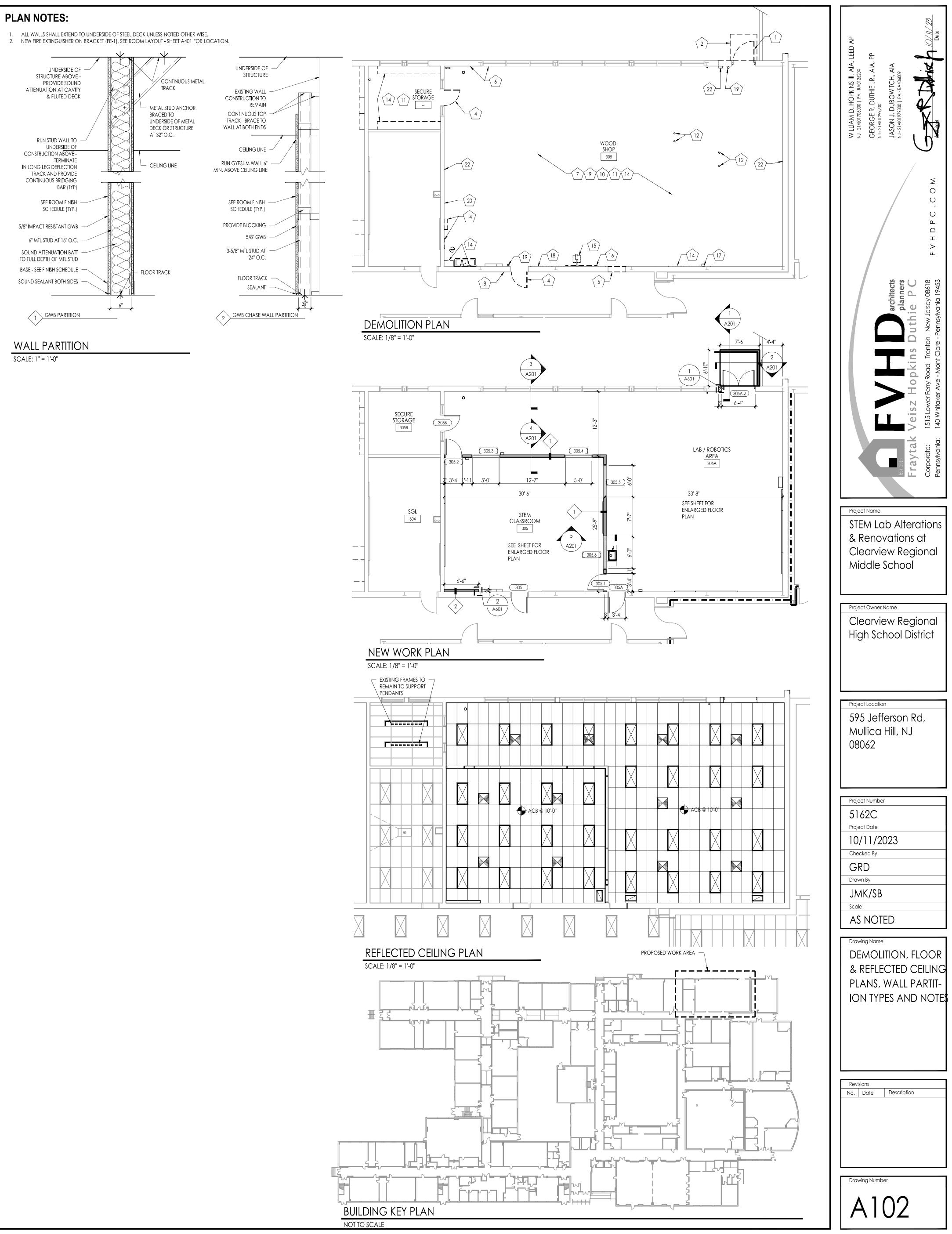
HOLLOW METAL, HARDWOODS, MISCELLANEOUS METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK. K. MATERIALS LISTED ON THE ROOM FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED. REFER TO PLANS, DETAILS, INTERIOR ELEVATIONS, CEILING PLANS AND NOTES FOR MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED

THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE

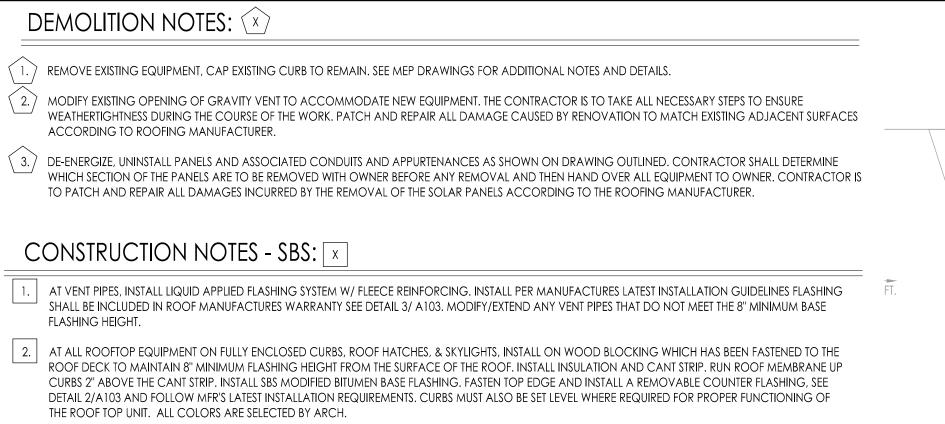
M. CALL BEFORE YOU DIG. BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF

N. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE. O. ALL BLOCKING FOR THE PROJECT SHALL BE FIRE RETARDANT TREATED WOOD BLOCKING, UNLESS OTHERWISE NOTED.

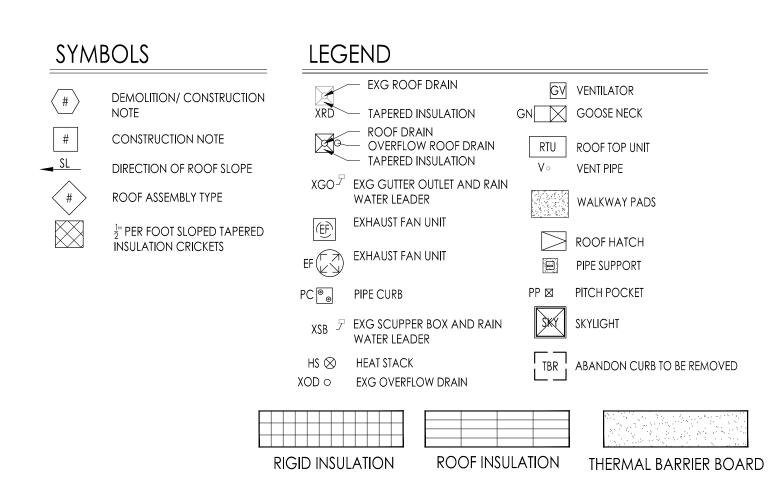
ALL WALLS SHALL EXTEND TO UNDERSIDE OF STEEL DECK UNLESS NOTED OTHER WISE.



GENERAL ROOFING DEMOLITION NOTES:								
A. THE <u>ROOFING</u> CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL AND ELECTRICAL DISCONNECTIONS AND RE-CONNECTIONS OF REQUIRED BY THE DOCUMENTS INCLUDING, REMOVAL, PROTECTION AND REINSTALLATION OF ALL EXISTING ROOF MOUNTED EQU REVISE EXISTING ELECTRICAL CIRCUITS, DUCTWORK, ETC. THE ROOFING CONTRACTOR IS RESPONSIBLE TO NOTIFY AND COORDINA EQUIPMENT PRIOR TO DISCONNECTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ALL EXISTING CONDUCTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ALL EXISTING CONDUCTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ALL EXISTING CONDUCTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ALL EXISTING CONDUCTION AND TO ACHIEVE AN 8" MINIMUM HEIGHT FROM FINISHED ROOF SURFACE. (PERFORM ALL WORK IN ACCURSTALL DUCTWORK IN ACCORDANCE WITH S.M.A.C.N.A. GUIDELINES.) RE-CHARGE ALL AC UNITS THAT WERE RAISED AND HAD THINSULATION.	IPMENT. IF REQUIRED FOR REINSTALLATION, EXTEND OR ATE WITH THE OWNER TO DE-ENERGIZE ALL ELECTRICAL JIT AND GAS LINES SHALL BE RAISED TO FACILITATE NEW CORDANCE WITH N.F.P.A. 70 AND PROVIDE AND							
B. THE <u>ROOFING</u> CONTRACTOR SHALL VERIFY THE EXACT LOCATION, DIMENSION, CONDITION AND QUANTITY OF ALL ROOFTOP EQU ARE NOT LIMITED TO: EXHAUST FANS, VENT PIPES, DRAINS, HATCHES, FLUE PIPES, HOT STACKS, HVAC EQUIPMENT, CURBS, BASE FLA ASSOCIATED WITH THIS ROOF PROJECT. [INCORPORATE SAME IN THE ROOF INSULATION SHOP DRAWING SUBMITTAL.]								
C. THE <u>ROOFING</u> CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM DEMOLITION CAREFULLY CAUSING NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE REPAIRED AND OR REPLACED BY THE ROOFING CONTRACTOR TO THE OWNER'S AND ARCHITECTS SATISFACTION AND AT NO ADDITIONAL COST TO THE CONTRACT PRICE. PR COMMENCEMENT OF WORK, THE ROOFING CONTRACTOR IS RESPONSIBLE TO INSPECT AND PHOTOGRAPH EXISTING CONDITIONS WHICH COULD BE MISCONSTRUED AS DAM RESULTING FROM DEMOLITION AND INSTALLATION WORK.								
E. THE <u>ROOFING</u> CONTRACTOR SHALL COORDINATE ALL DUMPSTER STAGING AND TRUCK ROUTES WITH THE OWNER. THE ROOFING AND PLANTED AREAS. THE ROOFING CONTRACTOR SHALL REPAIR ANY PAVED OR PLANTED AREAS TO THE SATISFACTION OF THE CO	FOR PURPOSES OF THIS PROJECT, REMOVE SHALL MEAN REMOVE AND DISPOSE OF SAME OFF SITE IN AN APPROVED AND LEGAL MANNER. THE <u>ROOFING</u> CONTRACTOR SHALL COORDINATE ALL DUMPSTER STAGING AND TRUCK ROUTES WITH THE OWNER. THE ROOFING CONTRACTOR SHALL PROTECT ALL EXISTING PAVED AND PLANTED AREAS. THE ROOFING CONTRACTOR SHALL REPAIR ANY PAVED OR PLANTED AREAS TO THE SATISFACTION OF THE OWNER. THE REPAIRS ARE TO INCLUDE, BUT ARE NOT LIMITED TO, REPAVING OF ASPHALT DRIVEWAYS AND PARKING LOTS, REGRADING AND SEEDING OF LAWN AND REPLACING DAMAGED PLANTS, SHRUBS, ETC. ALL REPAIRS AND RESTORATIONS SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT PRICE.							
F. IF THE BUILDING IS OCCUPIED, THE <u>ROOFING</u> CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCT PROJECT SITE.	CTION AND FOR THE SAFETY OF ALL PERSONS AT THE							
G. IF THE PRESENCE OF ASBESTOS IS SUSPECTED, THE CONTRACTOR IS TO NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY. IF THE PR CONTRACTOR IS RESPONSIBLE FOR MEANS REQUIRED TO PREVENT ANY HAZARDOUS MATERIAL FROM ENTERING INTO THE BUILDIN ASBESTOS IN FULL COMPLIANCE WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION RELATING TO THE TREATMEN	G. CONTRACTOR IS TO REMOVE AND DISPOSE OF SAID							
GENERAL CONSTRUCTION NOTES								
A. PROVIDE ROOFING MATERIALS THAT COMPLY WITH A CLASS "A" SYSTEM.B. NEW IMPOSED DEAD LOAD IS EQUAL TO OR LESS THAN EXISTING DEAD LOAD.								
 C. INSTALL WATER DIVERTING CRICKETS ON HIGH SIDE OF ROOF AT ROOFTOP UNITS, CURBS AND SKYLIGHTS AS SHOWN ON PLAN. D. FRT WOOD BLOCKING SHOWN ON DRAWINGS IS DIAGRAMMATIC. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING CON THICKNESS OF INSULATION AND/OR TAPERED INSTALLATION AS RECOMMENDED BY ROOFING MANUFACTURER AND TO MAINTA 	IN A CONSTANT ROOF EDGE ELEVATION IN A							
HORIZONTAL PLANE UNLESS NOTED OTHERWISE. AT ROOF EDGES PROVIDE AN ADDITIONAL FRT 2 X 6 ABOVE INSULATION AND/O E. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL								
 F. ALL CONDITIONS MEETING THE ROOF SURFACE PERPENDICULAR MUST BE MODIFIED TO CREATE A MINIMUM 8" FLASHING HEIGHT RAISED. 	CURBS AND WALL COUNTER FLASHINGS MUST BE							
G. DO NOT SCALE THE DRAWINGS. H. ALL LOW SLOPED ROOF AREAS ARE $\frac{1}{4}$ " PER FOOT IN THE FIELD AND $\frac{1}{2}$ " PER FOOT AT THE CRICKETS. SLOPE OF CRICKET IS PERPEND	DICULAR TO CRICKET 42 VALLEY LINE.							
I. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL GOOD ROOFING PRACTICES INCLUDING THOSE SET FORTH B SMACNA SHEET METAL MANUAL, FACTORY MUTUAL, UNDERWRITERS LABORATORIES, AND THE NRCA'S ROOFING AND WATERPR	OOFING MANUAL.							
J. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FLASHING ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS ON THE ROOFS TO MANUFACTURER'S WARRANTY. REVIEW ALL DRAWINGS INCLUDED IN THIS SET FOR ROOFTOP PENETRATIONS.								
K. ALL CRICKETS/ GUSSETS/ SADDLES SHALL HAVE A 3:5 RATIO. WHERE THIS CONDITION CANNOT BE ACHIEVED DUE TO VALLEY LIN PENETRATION AND A HIGH POINT GREATER THAN THE THRU-WALL COUNTER FLASHING, PROVIDE MAXIMUM CRICKET WIDTH TO P AND SCUPPERS.								
L. UNLESS NOTED OTHERWISE ALL ROOFING, ACCESSORIES, MATERIALS, ETC. SHALL BE CONSIDERED NEW.M. HIGH POINTS INDICATED ON DRAWINGS ARE SHOWN FOR GUIDANCE ONLY. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR								
ADJUSTMENTS MADE BY THE ROOFING CONTRACTOR TO THE INDICATED DESIGN GUIDELINES ARE AT NO ADDITIONAL COST TO N. ROOFING CONTRACTOR SHALL RETAIN A LICENSED ELECTRICAL SUBCONTRACTOR FOR ALL ELECTRICAL WORK.	THE OWNER.							
 O. ROOFING CONTRACTOR SHALL RETAIN A LICENSED HVAC SUBCONTRACTOR FOR ALL HVAC WORK. P. 1. PRIME ALL SURFACES WHICH ARE TO RECEIVE BITUMINOUS ROOFING. 								
2.INSTALL ENVELOPE EDGES TO ELIMINATE THE POTENTIAL FOR BITUMEN AND ADHESIVE DRIPPAGE INTO THE BUILDING 3.ALL WOOD BLOCKING TO BE FRT, (FIRE RETARDANT LUMBER).								
 S. CONTRACTOR SHALL MAKE NECESSARY TIE-INS AND ALTERATIONS TO EXISTING ROOF IN ACCORDANCE WITH ORIGINAL ROOF NORIGINAL WARRANTY ON EXISTING ROOF. T. CONTRACTOR SHALL AT ALL TIMES HAVE A FULL SET OF DRAWINGS AND SPECIFICATIONS ON ROOF TOP WHILE WORK IS IN PROCEED. 								
U. CONTRACTOR RESPONSIBLE TO RECTIFY ANY PONDING WATER ON FINISHED ROOF SURFACE THAT REMAINS AFTER 48 HOURS AT								
<u>NOTE:</u> WHERE BASE FLASHING IS HIGHER THAN 24", TERMINATE SHEET WITH FASTENERS AND TERMINATION BAR. PRE-DRILL PRIOR TO INSTALLATION OF FASTENER RUN A SEPARATE SHEET UP ONTO THE REMAINING WALL SECTION. OVERLAP TERMINATION BAR								
A MINIMUM OF 6".								
FLASHING SUBSTRATE - WALL OR CURB	SCHEDULE ON SHEET H501FOR DETAILS NEW METAL CAP FLASHING							
CFL - COLOR SELECTED BY ARCHITECT SEALANT	HIGH-DOMED, CAPPED, GASKETED FASTENE 18" O.C., 2 PER SIDE MIN. FASTENER MUST NO							
TERMINATION BAR FASTENED AT 6" O.C.	PENETRATE CURB THROUGH TO INTERIOR. MECHANICALLY FASTENED $\frac{1}{2}$ " THERMAL BARR							
WOOD FIBER CANT	BOARD. FASTENERS TO BE 8" O.C. MINIMUM HORIZONTALLY AND VERTICALLY							
TWO-PLY STRIPPING SYSTEM PER MANUFACTURER'S GUIDELINES	.040" THICK PRE FINISHED ALUM REMOVABLE FLASHING COLOR SELECTED BY ARCH.							
FINISHED PLY SBS GRANULE SURFACE	NEW WOOD FIBER CANT							
	A103. NEW FRT WD. BLOCKING TO MATCH THE — THICKNESS OF THE INSULATION. REFER							
	to general construction note "d" On this sheet							
EXG ROOF DECK TO REMAIN								
TYPICAL BASE FLASHING DETAIL								
3" = 1'-0"	2 1-1/2" = 1'-0"							

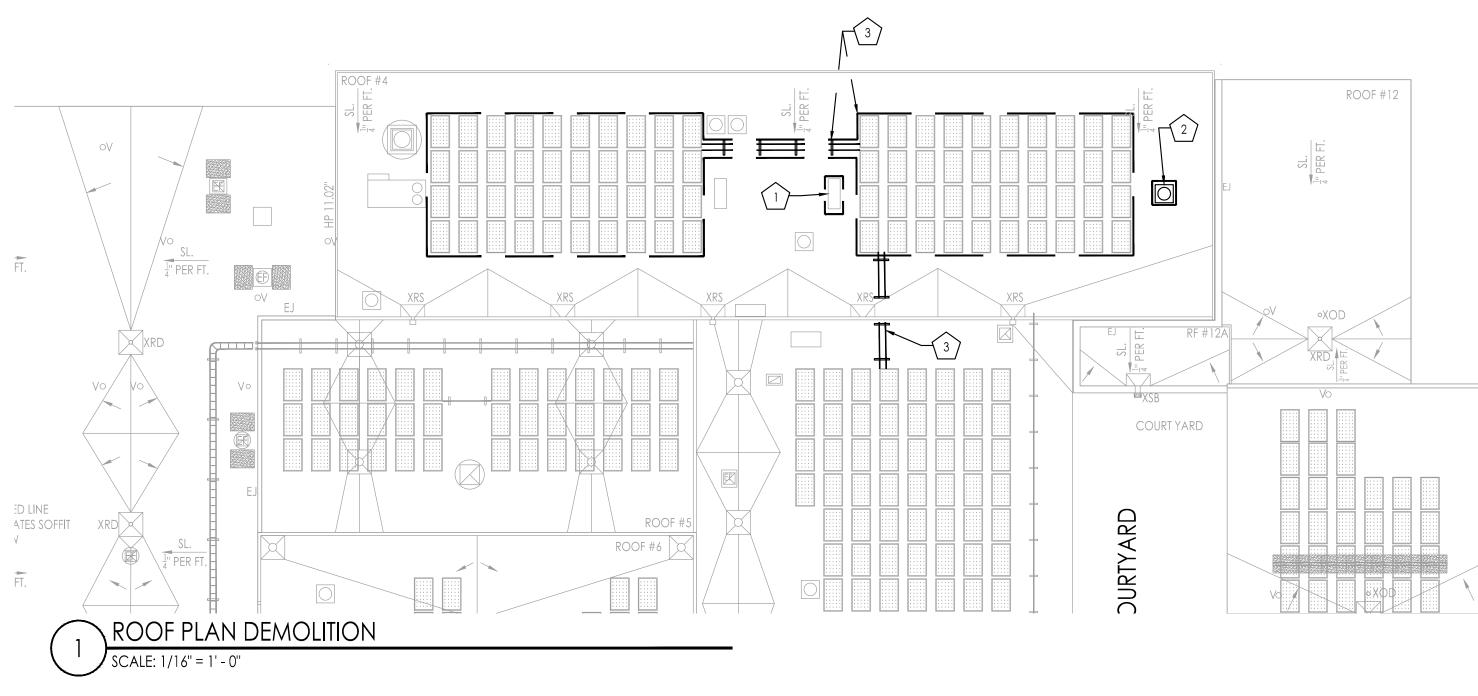


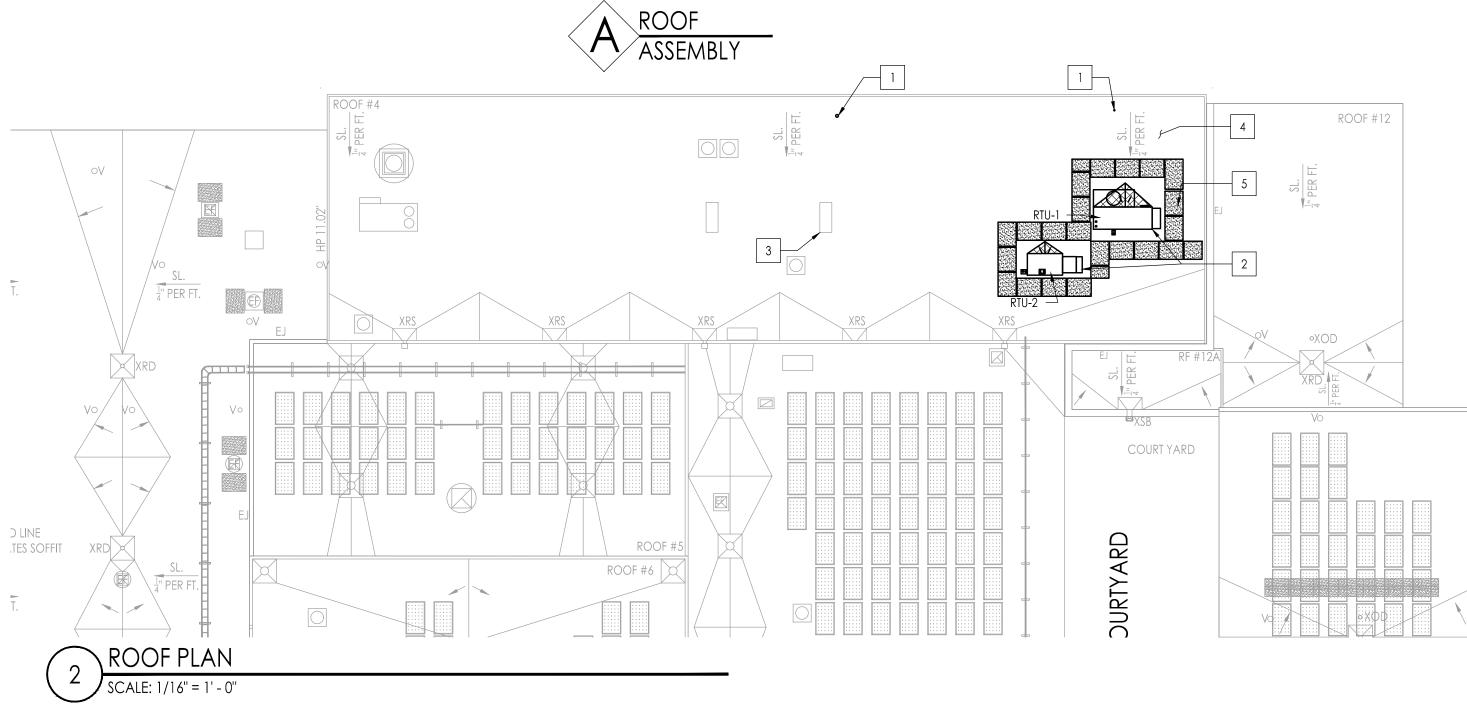
- 3. AT ALL REMOVED EQUIPMENT THAT WILL EXPOSE THE UNDERSIDE (INTERIOR), CAP EXISTING CURB AS SHOWN ON MEP'S DETAIL 3/H501.
- 4. EXG ROOF TO REMAIN ARE UNDER WARRANTY, INSTALLATION OF ROOFTOP EQUIPMENT IN THIS AREA SHALL BE DONE IN ACCORDANCE WITH THE ROOFING MANUFACTURES REQUIREMENTS TO MAINTAIN SAID WARRANTY, TYPICAL.
- 5. WALKWAY PADS INSTALL AROUND ALL ROOFTOP UNITS, ROOFTOP EQUIPMENT AND ROOF ACCESS POINTS SUCH AS ACCESS LADDERS AND ROOF HATCHES. MODIFY WALKWAY PADS AS REQUIRED SO THAT THE PAD MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS. SEE DETAIL 5/A103

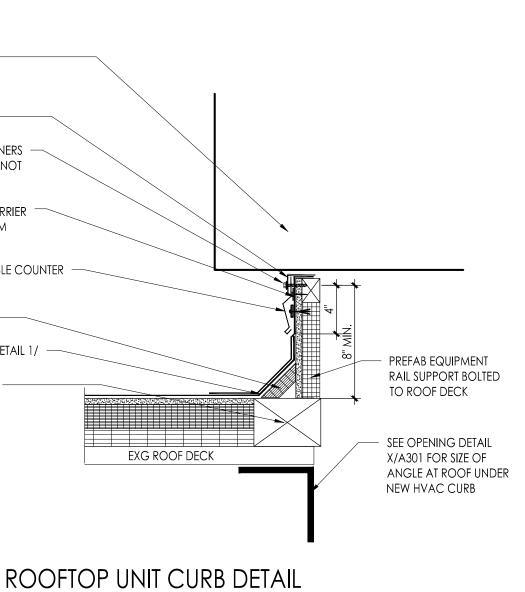




THE EXISTING SOLAR EQUIPMENT IS CURRENTLY OWNED BY THE SCHOOL DISTRICT AND NON-OPERATIONAL. THE GC IS TO REMOVE THE PANELS AND ASSOCIATED EQUIPMENT WITH CARE AND HAND OVER TO THE OWNER.



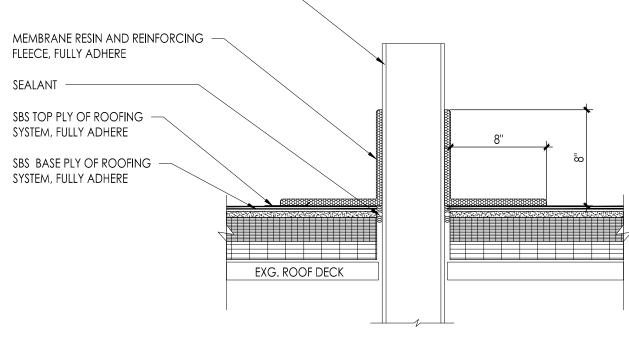




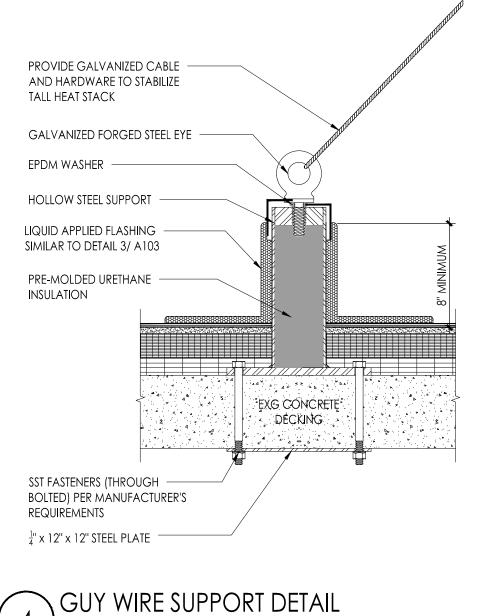
- 1. BEFORE APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING MEMBRANE, OR ELASTOMERIC SEALANT SHOULD BE USED TO FILL VOIDS WHERE ROOFING MEMBRANES TERMINATE AT PENETRATIONS. 2. REFER TO MANUFACTURES PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING.
- 3. MEMBRANE RESIN AND REINFORCING FLEECE CANNOT BE APPLIED OVER MEMBRANE OR OTHER MATERIALS CONTAINING UNCURED, SOLVENT- BASED MATERIALS 4. REFER TO MANUFACTURES FLEECE CUTTING RECOMMENDATIONS FOR CONFIGURATIONS, CUTTING, FOLDING, AND LAPPING TECHNIQUES.



NOTES

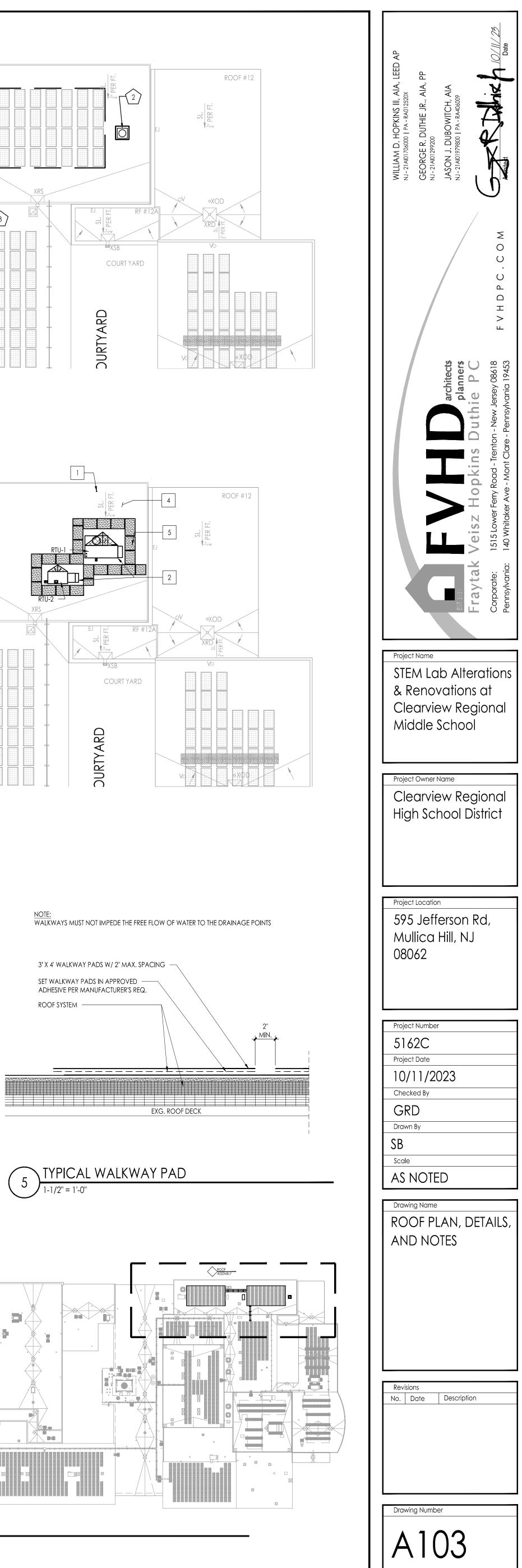


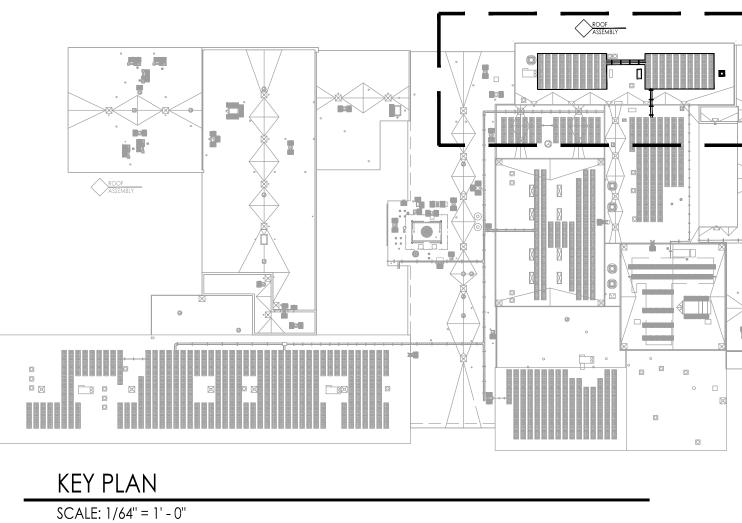
TYPICAL PVC PIPE/ DUNNAGE DETAIL 1-1/2" = 1'-0"

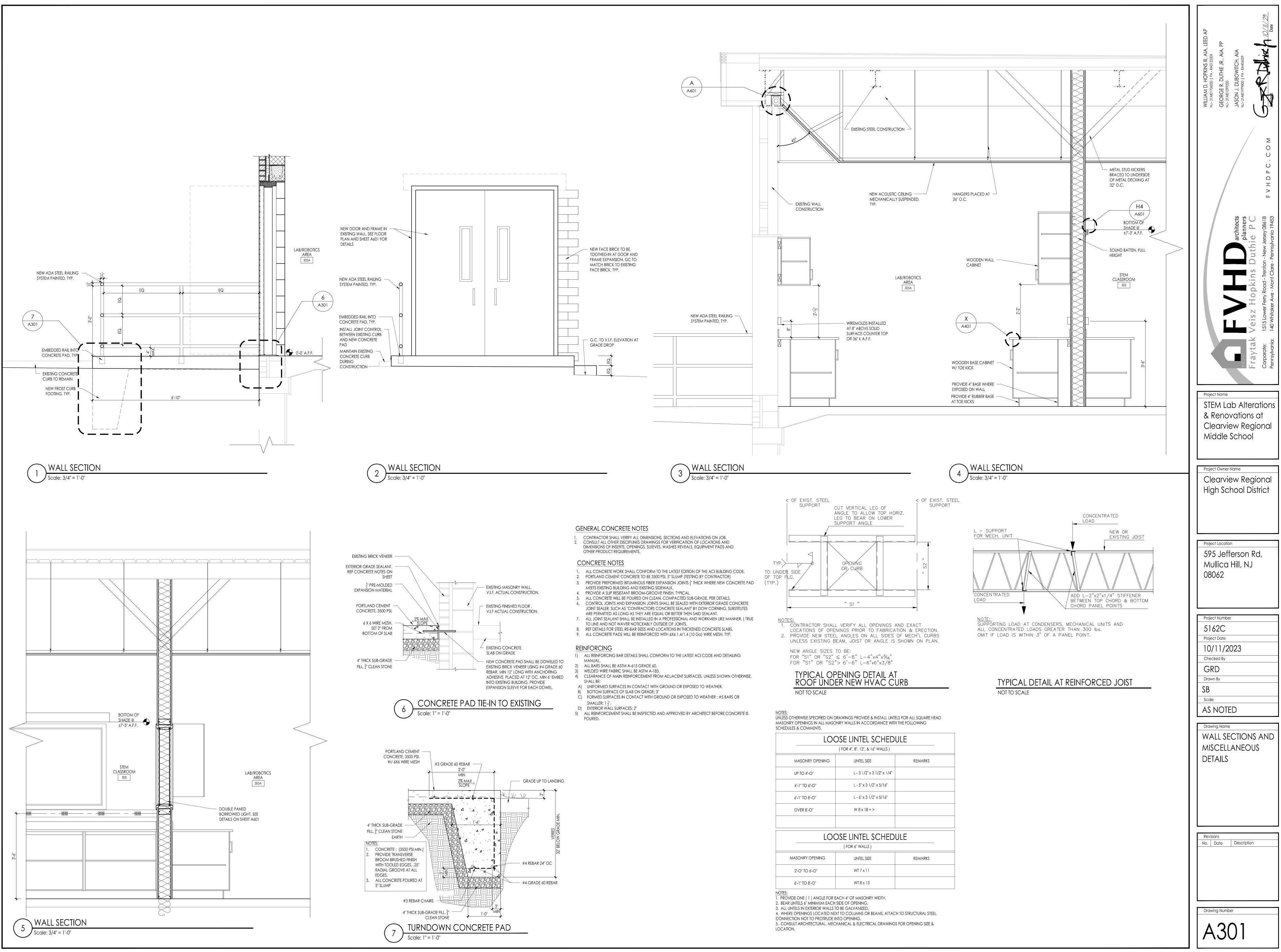


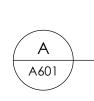
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NOT TO SCALE









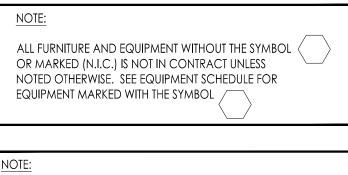
DULES & COMMENTS.							
LOOS	SE LINTEL SCHEDU	JLE					
(FOR 4", 8", 12", & 16" WALLS)							
MASONRY OPENING	LINTEL SIZE	REMARKS					
UP TO 4'-O''	L - 3 1/2" x 3 1/2" x 1/4"						
4'-1" TO 6'-0"	L - 5" x 3 1/2" x 5/16"						
6'-1" TO 8'-O"	L - 6" x 3 1/2" x 5/16"						
OVER 8'-O''	W 8 x 18 + >						
LOOS	E LINTEL SCHEDU	JLE					
	(FOR 6" WALLS)						

MASONRY OPENING	LINTEL SIZE	REMARKS
2'-0" TO 6'-0"	WT 7 x 11	
6'-1" TO 8'-O"	WT 8 x 13	

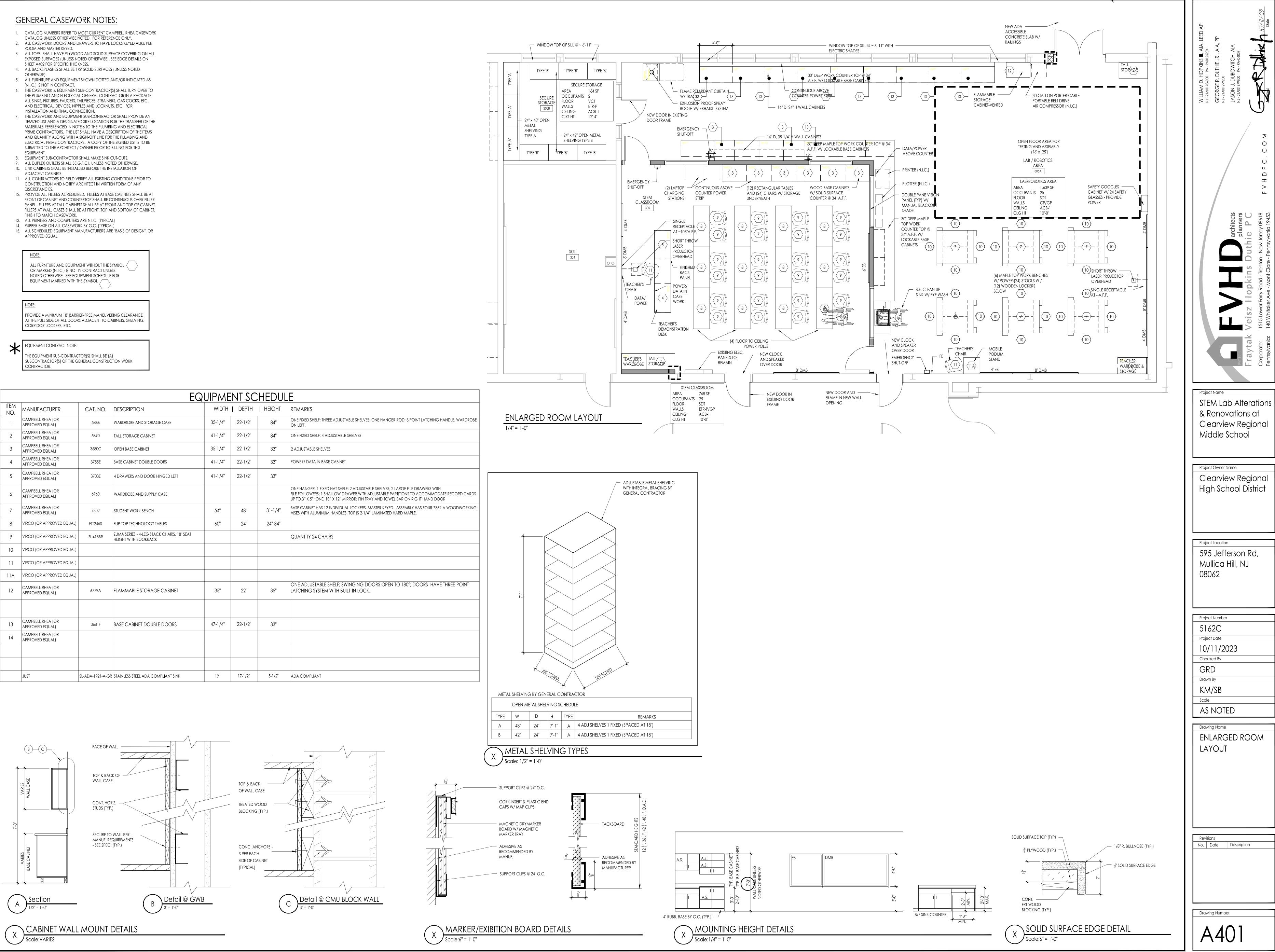


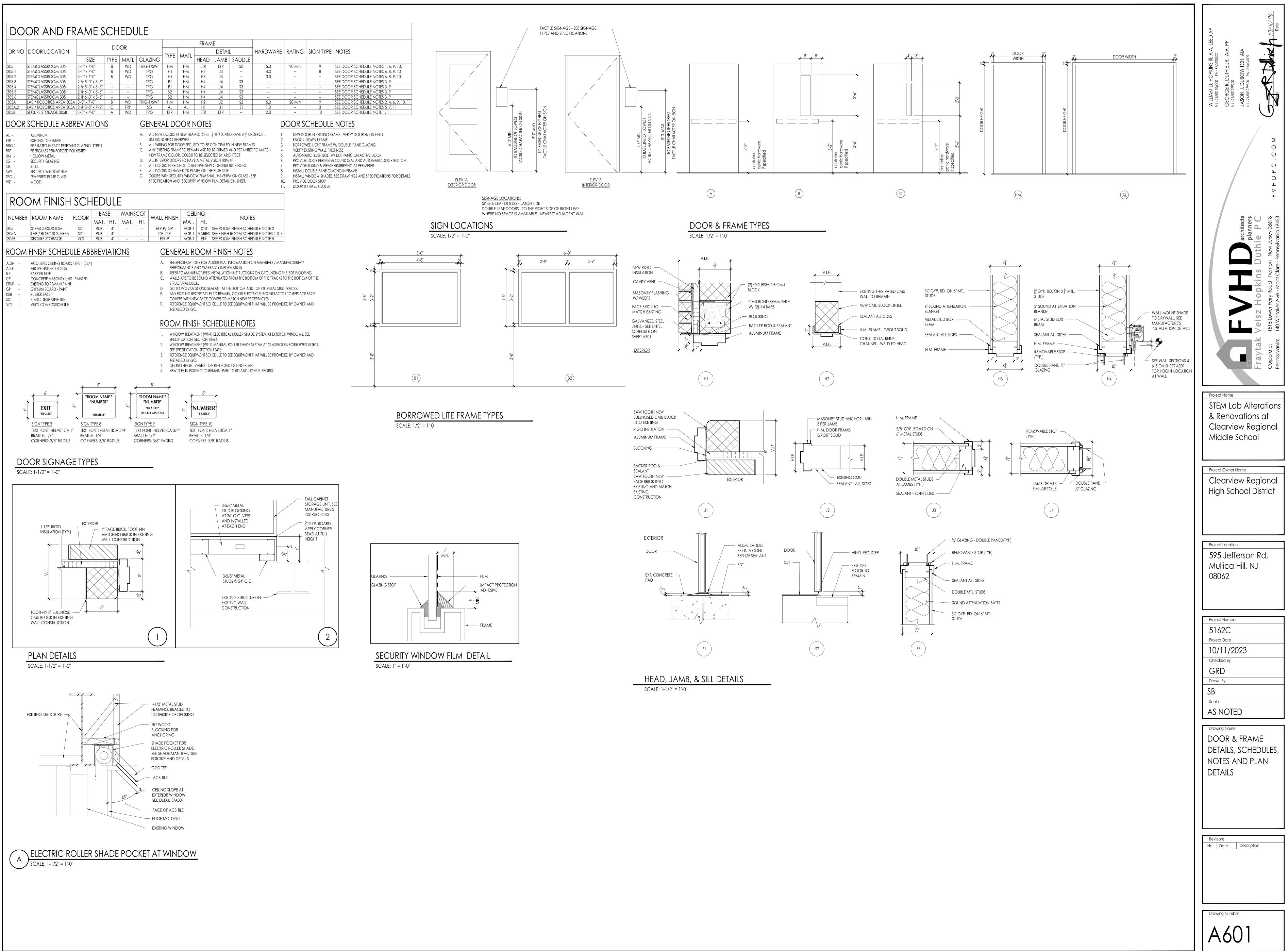
- (N.I.C.) IS NOT IN CONTRACT.
- INSTALLATION AND FINAL CONNECTION. MATERIALS REFERENCED IN NOTE 6 TO THE PLUMBING AND ELECTRICAL PRIME CONTRACTORS. THE LIST SHALL HAVE A DESCRIPTION OF THE ITEMS AND QUANTITY ALONG WITH A SIGN-OFF LINE FOR THE PLUMBING AND ELECTRICAL PRIME CONTRACTORS. A COPY OF THE SIGNED LIST IS TO BE
- ADJACENT CABINETS.
- CONSTRUCTION AND NOTIFY ARCHITECT IN WRITTEN FORM OF ANY

- APPROVED EQUAL.



ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS
1	CAMPBELL RHEA (OR APPROVED EQUAL)	5866	WARDROBE AND STORAGE CASE	35-1/4"	22-1/2"	84"	ONE FIXED SHELF; THE ON LEFT.
2	CAMPBELL RHEA (OR APPROVED EQUAL)	5690	TALL STORAGE CABINET	41-1/4"	22-1/2"	84''	ONE FIXED SHELF; 4 A
3	CAMPBELL RHEA (OR APPROVED EQUAL)	3680C	OPEN BASE CABINET	35-1/4"	22-1/2"	33"	2 ADJUSTABLE SHELV
4	CAMPBELL RHEA (OR APPROVED EQUAL)	3755E	BASE CABINET DOUBLE DOORS	41-1/4"	22-1/2"	33"	POWER/ DATA IN BAS
5	CAMPBELL RHEA (OR APPROVED EQUAL)	3703E	4 DRAWERS AND DOOR HINGED LEFT	41-1/4"	22-1/2"	33"	
6	CAMPBELL RHEA (OR APPROVED EQUAL)	6960	WARDROBE AND SUPPLY CASE				ONE HANGER; 1 FIXE FILE FOLLOWERS; 1 SH UP TO 3'' X 5''; ONE, 1
7	CAMPBELL RHEA (OR APPROVED EQUAL)	7302	STUDENT WORK BENCH	54"	48"	31-1/4"	BASE CABINET HAS 12 VISES WITH ALUMINU
8	VIRCO (OR APPROVED EQUAL)	FTT2460	FLIP-TOP TECHNOLOGY TABLES	60''	24"	24"-34"	
9	VIRCO (OR APPROVED EQUAL)	ZU418BR	ZUMA SERIES - 4-LEG STACK CHAIRS, 18" SEAT HEIGHT WITH BOOKRACK				QUANTITY 24 CHA
10	VIRCO (OR APPROVED EQUAL)						
11	VIRCO (OR APPROVED EQUAL)						
11A	VIRCO (OR APPROVED EQUAL)						
12	CAMPBELL RHEA (OR APPROVED EQUAL)	6779A	FLAMMABLE STORAGE CABINET	35"	22''	35"	ONE ADJUSTABLE LATCHING SYSTEM
13	CAMPBELL RHEA (OR APPROVED EQUAL)	3681F	BASE CABINET DOUBLE DOORS	47-1/4"	22-1/2"	33"	
14	CAMPBELL RHEA (OR APPROVED EQUAL)						
	JUST	SL-ADA-1921-A-GF	r stainless steel ada compliant sink	19"	17-1/2"	5-1/2"	ADA COMPLIANT





	LEGEND:
	
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	, , ,		ABBRE	VIATIONS:	
SUPPLY AIR UP	۲	NEW OR REMOVAL WORK (REFER TO PLAN) EXISTING	ABS AD	ABSOLUTE ACCESS DOOR	L LAT
	≻—_\$ }	PRESSURE REDUCING VALVE	AF AFD	AIR FILTER ADJUSTABLE FREQUENCY DRIVE	LBS LH
SUPPLY AIR DOWN		VALVE ON RISE	AFF AFMS	ABOVE FINISHED FLOOR AIR FLOW MONITORING STATION	LIQ LPC
	, , ,	PRESSURE REDUCING VALVE	AHU AMB	AIR HANDLING UNIT AMBIENT	LPS LVG
EXHAUST AIR UP	$\leftarrow \rightarrow$	VALVE ON RISE	AP	ACCESS PANEL AIR PRESSURE DROP	LWT MAX
EXHAUST AIR DOWN		TWO-WAY CONTROL VALVE	ARCH	ARCHITECT OR ARCHITECTURAL AUTOMATIC TEMPERATURE CONTROL	MB MBH
			ATM ATV	ATMOSPHERIC ATMOSPHERIC VENT	MCA MD
RETURN AIR UP		GATE VALVE	AUTO	AUTOMATIC	MIN MOD
	→ M→ →	GLOBE VALVE	A/C B	AIR CONDITION (ER) (ING) BOILER	MOP
RETURN AIR DOWN		CHECK VALVE	BBD BC	BOILER BLOW DOWN BOTTOM CONNECTION	MPC MPS
	<u>ک</u>	BALANCING/ISOLATION VALVE	BDD BFW	BACK DRAFT DAMPER BOILER FEED WATER	MU MWT
DUCT SIZE (FIRST FIGURE-SIDE SHOWN)			BFP BHP	BACK FLOW PREVENTER BRAKE HORSEPOWER	M/A N/A
	↓™	BALL VALVE	BOD BTU	BOTTOM OF DUCT BRITISH THERMAL UNIT	NC NEC
DIRECTION OF FLOW-SUPPLY		BUTTERFLY VALVE	C CA	CONDENSER COMPRESSED AIR	NFPA N.I.C.
DIRECTION OF FLOW-EXHAUST OR RETURN AIR	کــــــا ا ، کار	UNION	CAB CC	CABINET COOLING COIL	NTS N/C
OR REI URN AIR	≻ √ }	STRAINER	CCC CD	COOLING COIL CONDENSATE CEILING DIFFUSER	N/O OBD
DUCT INCLINED RISE (RESPECT TO AIR)	, , , , ,		CFM CI	CUBIC FEET PER MINUTE CAST IRON	OED OD
		STRAINER W/ BLOW-DOWN VALVE	CO COND	CLEANOUT CONDENSATE	O/A P
DUCT INCLINED DROP (RESPECT TO AIR)	<u>کے لو</u>	THERMOMETER	CONN COP	CONNECTION COEFFICIENT OF PERFORMANCE	PBD P.C.
	چ پ	PRESSURE GAUGE W/ COCK	CU CUH	CONDENSING UNIT CABINET UNIT HEATER	PD PNEU
BREAK IN RECTANGULAR DUCT	、 ද 、	AIR VENT W/ COCK	CV CW	CONSTANT VOLUME COLD WATER (DOMESTIC)	PNL POS
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	AIR VENT W/ COCK	D DB	DRAIN DECIBEL	PRESS PRV
BREAK IN ROUND DUCT	€∋	PIPE TURNING DOWN	D.b. DC	DRY BULB DUCT COIL	PSI PSIA
	∽	PIPE TURNING UP	DD DEG	DUAL DUCT DEGREE	RAF RBF
MOTORIZED CONTROL DAMPER	<i>≻</i> −−−−→	TEE UP	DIA DIV	DIAMETER DIVISION	RD RF
			DN DP	DOWN DIFFERENTIAL PRESSURE SENSOR	RH
BALANCING DAMPER		TEE DOWN	DPR DPT	DAMPER DEW POINT TEMPERATURE	RLA RPM
	→ → → → → → → → → → → → → → → → → → →	DROP AND RUN	DTL DTR	DETAIL DUAL TEMPERATURE RETURN	RRP RS
FIRE DAMPER	<del>آ</del> ــــــــ	DROP AND TURN	DTS DWG.	DUAL TEMPERATURE SUPPLY DRAWING	RTU R/A
ROUND DUCT DOWN	<b>,</b> رَ	TEE OFF TOP	DX	DIRECT EXPANSION EXISTING	SAN SD
	<b>≻−−−−</b> HWS <b>−−−−}</b>	HOT WATER SUPPLY	(E) EAT	ENTERING AIR TEMPERATURE	SENS
ROUND DUCT UP	<b>(</b> 1005 - <b>(</b>	HOT WATER SUFFLY	E.C. EDH	ELECTRICAL CONTRACTOR ELECTRIC DUCT HEATER	SF SH
SUPPLY DIFFUSER	<b>≻</b> HWR <b>?</b>	HOT WATER RETURN	EER EF	ENERGY EFFICIENCY RATIO EXHAUST FAN	SL SP
	<b>≻</b> →	FLOW - IN DIRECTION OF ARROW	EFF ENT	EFFICIENCY ENTERING	SPEC SS
EXHAUST/RETURN REGISTER OR GRILLE	<b>≻</b> D <b>२</b>	DRAIN	ER ESP	EXHAUST REGISTER EXTERNAL STATIC PRESSURE	STD STM
	$\odot$	THERMOSTAT	ET EWT	EXPANSION TANK ENTERING WATER TEMPERATURE	SYS S/A
	Э	HUMIDISTAT	F F&T	FAN FLOAT & THERMOSTATIC	TEMP TOS
45° BOOT CONNECTION	TS	TEMPERATURE SENSOR	FC FD	FAN COIL FIRE DAMPER	TSP T STAT
FLEXIBLE CONNECTION/FLEXIBLE DUCTWORK	HS	HUMIDITY SENSOR	FLA FPM	FULL LOAD AMPS FEET PER MINUTE	TYP. UCD
		DUCT SMOKE DETECTOR	FTR FPS	FINNED TUBE RADIATION FEET PER SECOND	UH UL
ROUND TO RECTANGULAR TRANSITION		FLOOR DRAIN	FT F&BP	FEET FACE & BY-PASS	U.N.O UV
		LINED DUCTWORK	GAL G.C.	GALLONS GENERAL CONTRACTOR	V VAC
90° ELBOW WITH	L −FD	FIRE DAMPER	GPM GRV	GALLONS PER MINUTE GRAVITY ROOF VENTILATOR	VAV VD
TURNING VANES		CLEARANCE AREA	GVR H	GAS VENT RELIEF HOOD	VEL VOL
	►	COOLING COIL CONDENSATE	HC H.C.	HEATING COIL HVAC CONTRACTOR	W WAC
90° RADIUS ELBOW (NO VANES)	E	QUIPMENT ABBREVIATION	HD HP	HEAD HORSEPOWER	W.b. WC
		AG NUMBER	HPC HPS	HIGH PRESSURE CONDENSATE HIGH PRESSURE STEAM	WG WPD
45° ELBOW			HRU HT	HEAT RECOVERY UNIT HEIGHT	WT W/
(NO VANES) DIFFUSER TYPE — (SEE SCHEDULE)	AIR DEVICE SIZE	AIR DEVICE NOTE	HTG HUMID	HEATING HUMIDIFIER	W/O
	\$\langle\$	NEW WORK NOTE DESIGNATION	HW HWC	HOT WATER HOT WATER COIL	
SIDE WALL DIFFUSER, REGISTER OR GRILLE			HWR HWS	HOT WATER RETURN HOT WATER SUPPLY	
	$\bigcirc$	REMOVAL WORK NOTE	HX HZ	HEAT EXCHANGER HERTZ	
TRANSITION	${\color{black}\textcircled{\bullet}}$	CONNECT TO EXISTING	ID IN	INSIDE DIAMETER INCHES	
(DIVERGING FLOW)	$\bigcirc$	EXTENT OF DEMOLITION	INTL	INTERLOCK	
			KW	KILOWATT	
TRANSITION (CONVERGING FLOW)					
		SCALE: 1/4" = 1'-0"			
DUCT SMOKE DETECTOR		-x SECTION OR DETAIL SCALE: 1/4" = 1'-0"			
		HEET#			
LOWER DUCT	NUMBER	DWG#			
		HEET#			
LINED DUCTWORK					

### 

NORTH ARROW LEAVING LEAVING WATER TEMPERA MAXIMUM MIXING BOX THOUSANDS BTU/HR MINIMUM CIRCUIT AMPACIT MODULATING MINIMUM MOTOR OPERATED DAMPE MAXIMUM OVER CURRENT MEDIUM PRESSURE CONDE MEDIUM PRESSURE STEAM MAKE-UP WATER MEAN WATER TEMPERATU MAKE-UP AIR NOT APPLICABLE NOISE CRITERIA NATIONAL ELECTRICAL CC NATIONAL FIRE PROTECTION NOT IN CONTRACT NOT TO SCALE NORMALLY CLOSED NORMALLY OPEN OPPOSED BLADE DAMPER OPEN ENDED DUCT OUTSIDE DIAMETER OUTSIDE AIR PUMP PARALLEL BLADE DAMPER PLUMBING CONTRACTOR PRESSURE DROP PNEUMATIC PANEL POSITION PRESSURE PRESSURE RELIEF VALVE POUNDS PER SQUARE INC POUNDS PER SQUARE INC RETURN AIR FAN RUN BELOW FLOOR ROOF DRAIN RELIEF AIR FAN RELATIVE HUMIDITY REFRIGERANT LIQUID RATED LOAD AMPS **REVOLUTIONS PER MINUT** REFRIGERANT RELIEF PIPI REFRIGERANT SUCTION ROOF TOP UNIT **RETURN AIR** SANITARY SMOKE DETECTOR SENSIBLE SUPPLY AIR FAN SENSIBLE HEAT SOUND LINING STATIC PRESSURE SPECIFICATION STAINLESS STEEL STANDARD STEAM SYSTEM SUPPLY AIR TEMPERATURE TOP OF STEEL TOTAL STATIC PRESSURE THERMOSTAT TYPICAL UNDER CUT DOOR UNIT HEATER UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE UNIT VENTILATORS VALVE VACUUM VARIABLE AIR VOLUME VOLUME DAMPER VELOCITY VOLUME WIDTH WINDOW AIR CONDITIONER WET BULB WATER COLUMN WATER GAUGE WATER PRESSURE DROP WEIGHT WITH WITHOUT

### GENERAL NOTES:

	(	GENERAL NOTES:
LENGTH LEAVING AIR TEMPERATURE	_	
POUNDS	1.	GENERAL NOTES APPLY TO ALL HEATING, VENTILATING AND AIR-CONDITIONING (HVAC) DRAWINGS.
LATENT HEAT	2.	COORDINATE THE ROOF SUPPORT SYSTEM, STRUCTURAL STEEL, CROSS BRACING, PENETRATIONS, BUILDING ACCESS, BUILDING EQUIPMENT
LIQUID	۲.	REINFORCEMENT/SUPPORTS, ETC. TO FACILITATE THE INSTALLATION OF HVAC EQUIPMENT AND ROUTING/LOCATION OF DUCTWORK, PIPING, HV'S, AND TH
LOW PRESSURE CONDENSATE		LIKE.
LOW PRESSURE STEAM	3.	COORDINATE AND FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATION PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE
LEAVING		MAKE ANY NECESSARY CHANGES TO ROUTING OF PIPING AND/OR DUCTWORK WITHOUT COMPROMISING THE INTEGRITY AND PERFORMANCE OF THE SYSTEM, AND AT NO ADDITIONAL COST TO THE SCHOOL DISTRICT.
LEAVING WATER TEMPERATURE		
MAXIMUM	4.	PROVIDE FIRE DAMPERS, SMOKE DAMPERS, AND ALL ASSOCIATED LIFE SAFETY DEVICES FOR ALL DUCTWORK/PIPING PENETRATIONS THRU RATED ASSEMBLIES. REFER TO HVAC AND ARCHITECTURAL DRAWINGS FOR REQUIRED RATINGS AND LOCATIONS.
MIXING BOX		
THOUSANDS BTU/HR	5.	HVAC PIPING AND DUCTWORK AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE, PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS AND ALL TRADE WORK BY OTHERS.
	6.	GENERAL LOCATION OF DIFFUSERS AND REGISTERS AS SHOWN ON HVAC DRAWINGS ARE SCHEMATIC IN NATURE, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
MINIMUM MOTOR OPERATED DAMPER		
MAXIMUM OVER CURRENT PROTECTION	7.	FLEXIBLE DUCTWORK SHALL NOT EXCEED 7'-0" IN LENGTH, OR BE INSTALLED WITH BEND RADIUS GREATER THAN 1 TIMES THE DIAMETER AND 90°.
MEDIUM PRESSURE CONDENSATE	8.	COORDINATE CONSTRUCTION OF ALL HVAC WORK WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING, ETC. SHOWN ON OTHER CONTRACT
MEDIUM PRESSURE STEAM		DOCUMENT DRAWINGS.
MAKE-UP WATER	9.	ALL PIPING AND CONTROL WIRING TO BE CONCEALED IN WALLS, CEILINGS AND CHASES.
MEAN WATER TEMPERATURE	10.	COORDINATE THE LOADING REQUIREMENTS FOR THE SUPPORT OF ALL HVAC SYSTEMS INCLUDING, BUT NOT LIMITED TO ROOFTOP UNITS, PIPING AND
MAKE-UP AIR	10.	DUCTWORK.
NOT APPLICABLE	11.	PROVIDE HANGERS AND SUPPORTS PER THE SPECIFICATIONS FOR ALL PIPING, DUCTWORK AND HVAC EQUIPMENT TO FACILITATE INSTALLATION OF THE
NOISE CRITERIA		WORK.
NATIONAL ELECTRICAL CODE	12.	PROVIDE VIBRATION ISOLATION DEVICES FOR ALL HVAC EQUIPMENT AND SYSTEMS. REFER TO DETAIL SHEET FOR TYPICAL CONSTRUCTION.
NATIONAL FIRE PROTECTION ASSOCIATION	12.	
NOT IN CONTRACT NOT TO SCALE	13.	ALL MATERIALS EXPOSED WITHIN RETURN AIR PLENUMS SHALL BE RATED FOR USE IN PLENUMS. PROVIDE MATERIALS THAT ARE NON COMBUSTIBLE OR HA A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84.
NORMALLY CLOSED		
NORMALLY OPEN	14.	SCHEDULE AND OBTAIN APPROVAL FOR ALL SYSTEM SHUTDOWNS WITH OWNER PRIOR TO COMMENCING WITH REMOVAL AND NEW WORK.
OPPOSED BLADE DAMPER	15.	PERFORM ALL CUTTING AND PATCHING NECESSARY TO PERFORM WORK. MATCH MATERIALS, FINISHES, FIRE RATINGS, PAINT COLORS, ETC. IN ALL AREAS
OPEN ENDED DUCT		PATCHING.
OUTSIDE DIAMETER	16.	NOTE THAT THE IDENTIFICATION LABELS TO BE USED/MADE FOR ALL SYSTEMS MUST USE THE OWNER'S ROOM NUMBERS AND ROOM NAMES, NOT THE
OUTSIDE AIR		NUMBERS OR NAMES ON THE CONSTRUCTION DOCUMENTS. MEET WITH OWNER TO REVIEW AND CONFIRM ROOM NUMBERS AND NAMES PRIOR TO LABELI SYSTEMS.
PUMP		
PARALLEL BLADE DAMPER	17.	THOROUGHLY COORDINATE ALL CONSTRUCTION, PRIOR TO COMMENCEMENT OF INSTALLATION OF HVAC SYSTEMS.
PLUMBING CONTRACTOR	18.	COORDINATE REQUIREMENTS FOR LOSS OF PHASE PROTECTION ON ALL THREE PHASE MOTORS SERVING EQUIPMENT ON THIS CONTRACT.
PRESSURE DROP	19.	ALL EQUIPMENT AND/OR MATERIAL BEING REMOVED DURING REMOVAL SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR AND SHALL BE RETAIN
PNEUMATIC PANEL		OR DISPOSED OF AND REMOVED FROM THE SITE AT THE DIRECTION OF THE OWNER.
POSITION	20.	ASPECT RATIO OF DUCTWORK SIZING CAN BE CHANGED TO SUIT FIELD CONDITIONS AT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
PRESSURE	04	
PRESSURE RELIEF VALVE	21.	PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCTWORK TO EQUIPMENT CONNECTIONS.
POUNDS PER SQUARE INCH	22.	PROVIDE TURNING VANES IN ALL DUCT ELBOWS.
POUNDS PER SQUARE INCH ABSOLUTE	23.	PROVIDE VOLUME DAMPERS AT BOOT CONNECTIONS AND BRANCHES OF MAINS FOR ALL SUPPLY, RETURN, AND EXHAUST AIR SYSTEMS.
RETURN AIR FAN	24.	
RUN BELOW FLOOR	24.	DUCTWORK DIMENSIONS INDICATE INTERNAL CLEAR DIMENSIONS.
	25.	EQUIPMENT INSULATION SHALL BE INSTALLED AS NOT TO CONCEAL THE EQUIPMENT NAME PLATE.
	26.	HVAC REMOVAL WORK IN THE BUILDING SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR INCLUDING HVAC EQUIPMENT, SYSTEMS, APPARATUS
RELATIVE HUMIDITY REFRIGERANT LIQUID		AND ACCESSORIES.
RATED LOAD AMPS	27.	THE REMOVAL DRAWINGS SHOW A GENERAL REPRESENTATION OF QUANTITIES AND LOCATIONS OF EXISTING HVAC COMPONENTS AND SYSTEMS, AND AR
REVOLUTIONS PER MINUTE		NOT ALL INCLUSIVE. IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE REMOVAL OF THE HVAC SYSTEMS TO FULFILL THE INTENT OF THE DESIGN INDICAT BY THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED. REMOVAL WORK IS TO INCLUDE, BUT NOT LIMITED TO REMOVAL OF EQUIPMENT, APPARATUS
REFRIGERANT RELIEF PIPING		SYSTEM ACCESSORIES, DUCT, PIPING, INSULATION, DROPS, RISERS, AUXILIARY SYSTEMS/PIPING/CONTROLS, VALVES, PIPING ACCESSORIES, CONTROLS,
REFRIGERANT SUCTION		CONTROL WIRING/TUBING, CONDUITS, BASES, SUPPORTS, HANGERS AND SYSTEM APPURTENANCES.
ROOF TOP UNIT	28.	ENSURE ALL WORK IS IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE LATEST
RETURN AIR		EDITIONS OF THE APPLICABLE CONSTRUCTION CODE, AND ALL OTHER FEDERAL, STATE AND LOCAL AGENCY REGULATIONS HAVING JURISDICTION OVER TI PROJECT. IN THE EVENT OF ANY DISCREPANCIES BETWEEN AGENCY REQUIREMENTS, OBSERVE THE MORE STRINGENT OF REQUIREMENTS.
SANITARY		
	29.	ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS (NBFU), INDUSTRIAL RISK INSURANCE UNDERWRITER (IRI), FACTORY MUTUAL (FW), OR THE APPLICABLE RATING BUREAU, THE NATIONAL ELECTRIC CODE (NEC), THE AMERICAN GAS ASSOCIATION (AGA), AND THE
		AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS (ASHRAE), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ALL
SUPPLY AIR FAN SENSIBLE HEAT		OTHER APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND THE REQUIREMENTS OF ALL PUBLIC UTILITY COMPANIES SERVING THE PROJECT S
SOUND LINING	30.	
STATIC PRESSURE		BEGINNING WORK.
SPECIFICATION	31.	INSTALL ALL EQUIPMENT TO MAINTAIN ADEQUATE CLEARANCES PER MANUFACTURER'S REQUIREMENTS. PROVIDE OFFSETS AS NECESSARY TO FACILITATI
STAINLESS STEEL	32.	ALL NEW EQUIPMENT LOCATED ON EXISTING ROOFS ARE TO BE LOCATED SO AS NOT TO INTERRUPT EXISTING ROOF DRAINAGE PATTERNS. CONTRACTOR

32. ALL NEW EQUIPMENT LOCATED ON EXISTING ROOFS ARE TO BE LOCATED SO AS NOT TO INTERRUPT EXISTING ROOF DRAINAGE PATTERNS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING IN SHOP DRAWINGS, ROOF PLANS IN AREAS OF WORK. THESE ROOF PLANS ARE REQUIRED TO SHOW AT A MINIMUM ALL NEW AND EXISTING EQUIPMENT, ROOF DRAINS, ROOF PENETRATIONS, VALLEYS AND CRICKETS. ALL NEW EQUIPMENT TO HAVE REQUIRED CRICKETS INSTALLED TO MAINTAIN POSITIVE ROOF DRAINAGE.

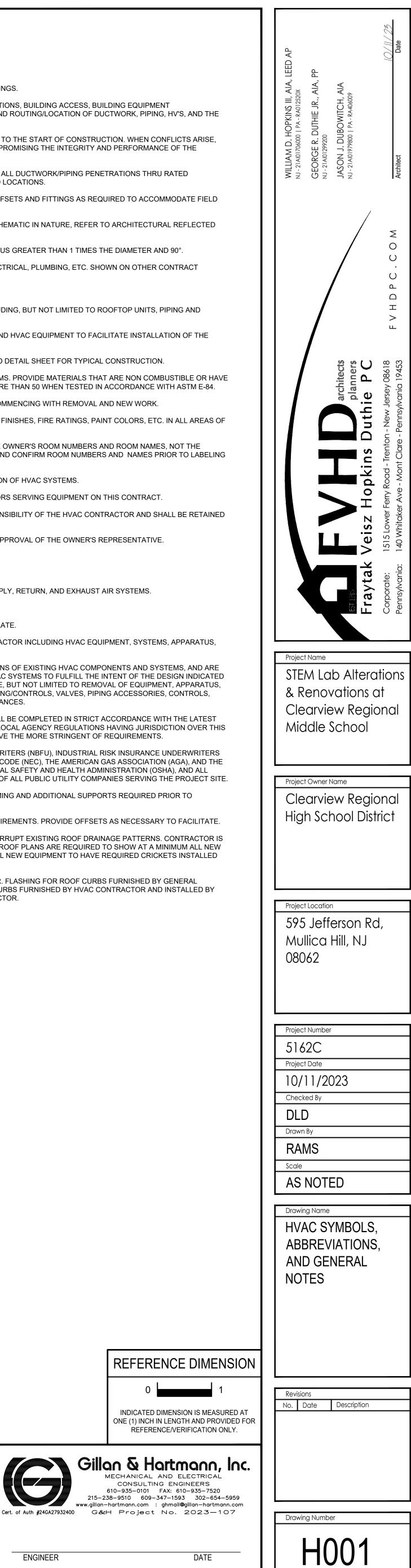
33. ALL ROOF CURBS FURNISHED BY HVAC CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR. FLASHING FOR ROOF CURBS FURNISHED BY GENERAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. COUNTER FLASHING FOR ROOF CURBS FURNISHED BY HVAC CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. OPENINGS IN ROOF FOR ROOF CURBS PROVIDED BY HVAC CONTRACTOR.

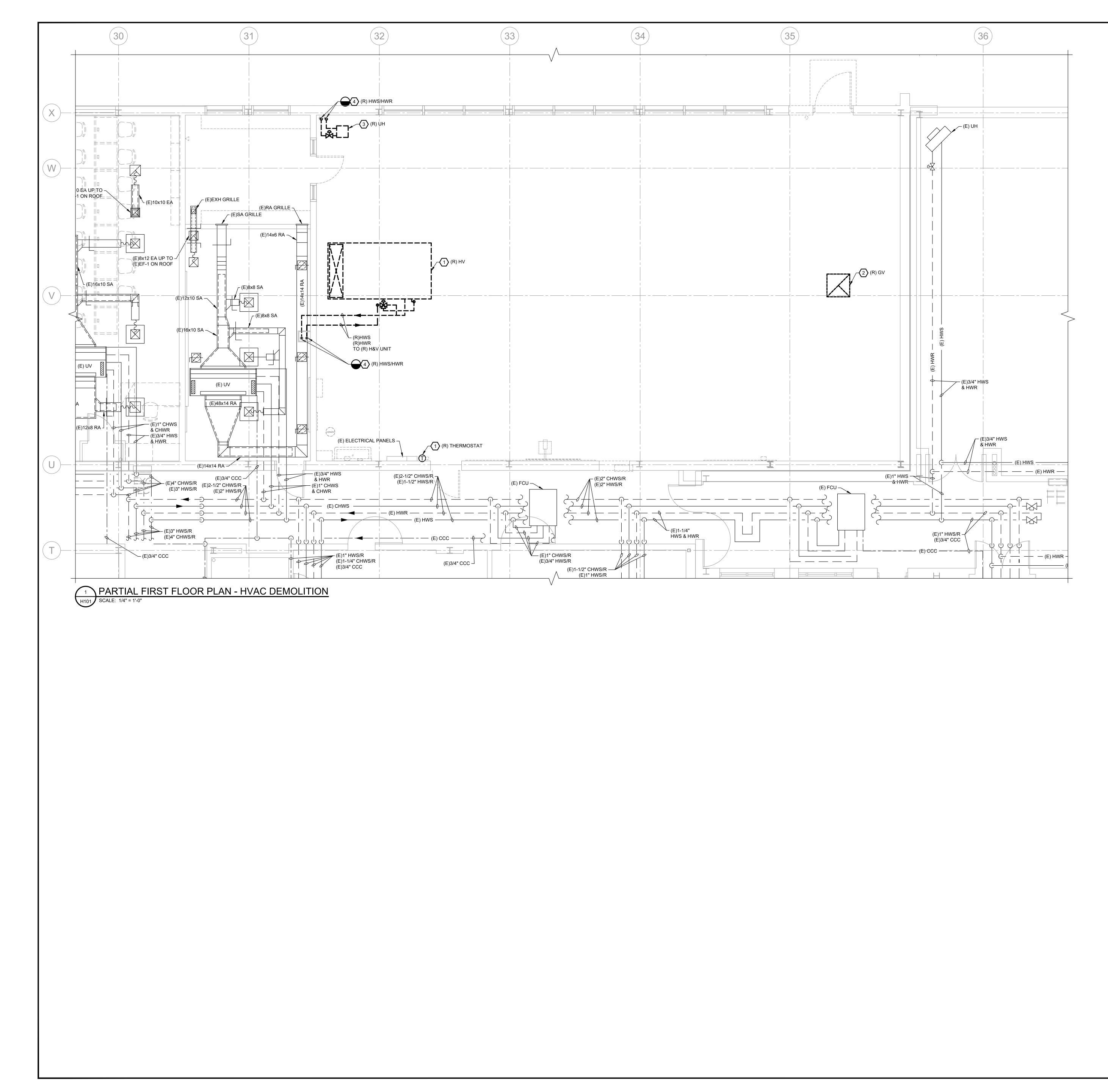
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INDICATED DIMENSION IS

Gillan & Hartmann, Inc. CONSULTING ENGINEERS 610-935-0101 FAX: 610-935-7520

ENGINEER

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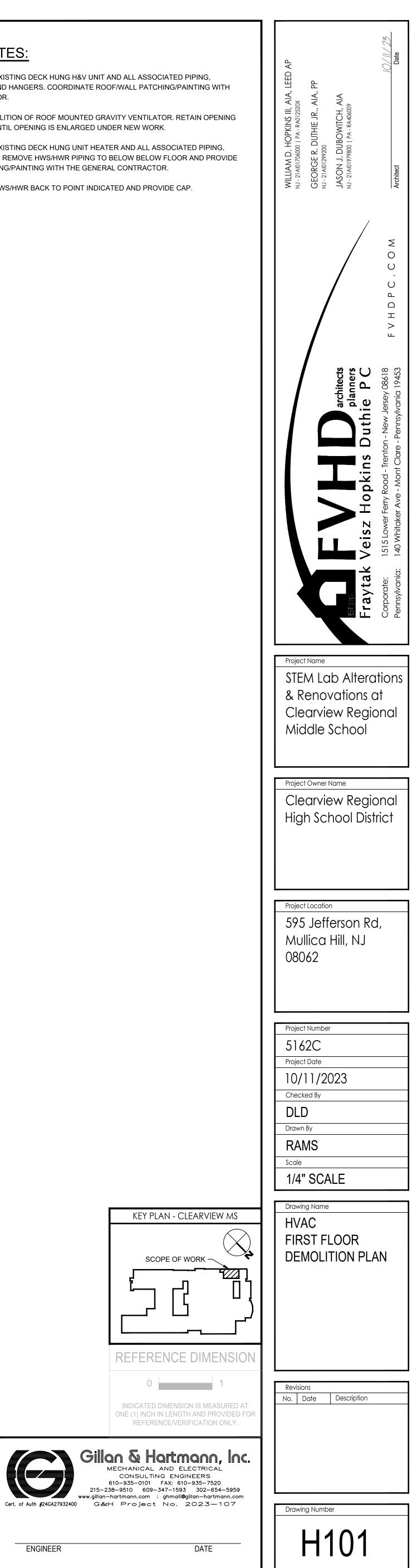


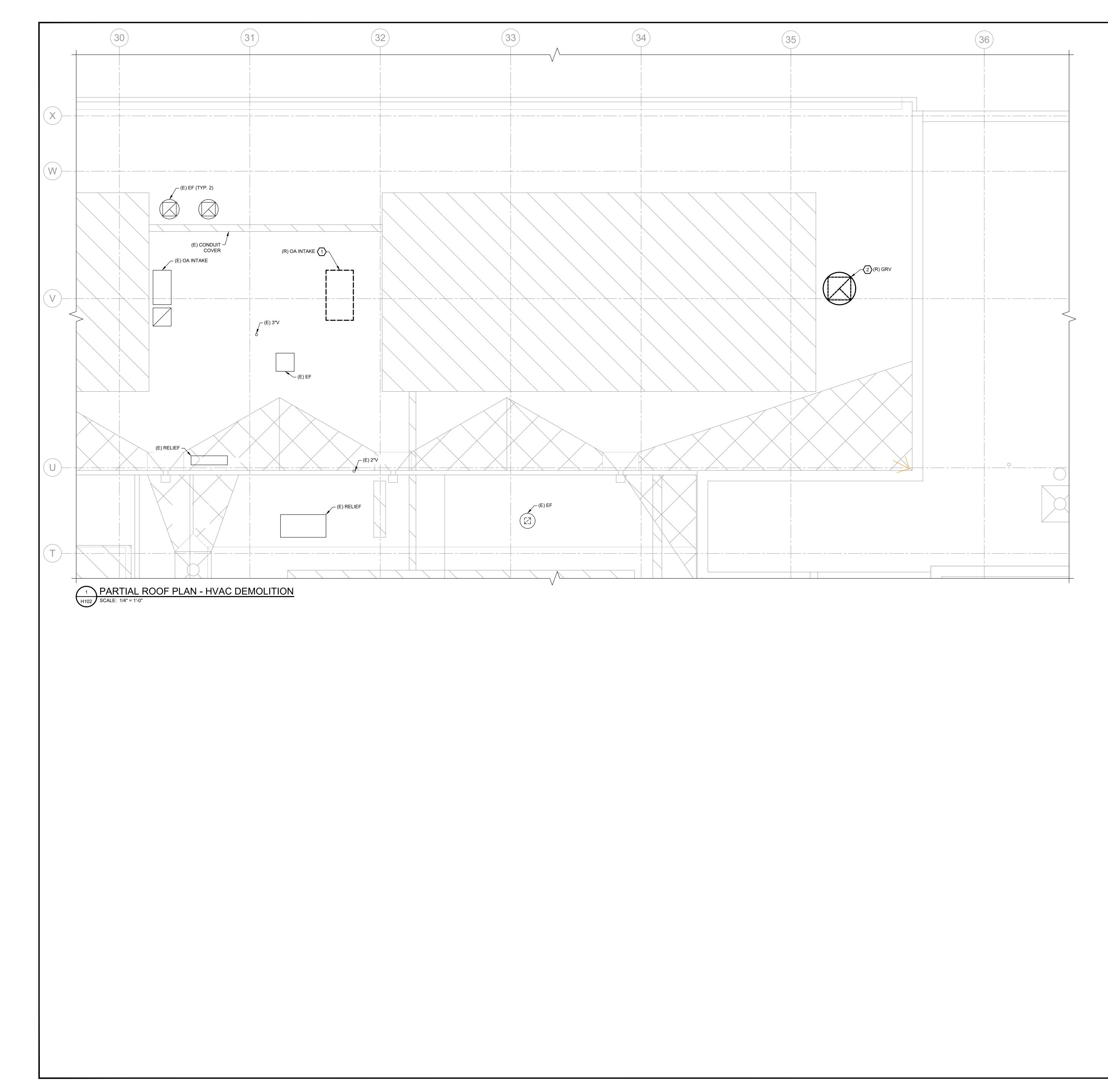
### **DEMOLITION NOTES:**

- (1) DEMOLISH AND REMOVE EXISTING DECK HUNG H&V UNIT AND ALL ASSOCIATED PIPING, DUCTWORK, CONTROLS AND HANGERS. COORDINATE ROOF/WALL PATCHING/PAINTING WITH THE GENERAL CONTRACTOR.
- 2 REFER TO H102 FOR DEMOLITION OF ROOF MOUNTED GRAVITY VENTILATOR. RETAIN OPENING AND TEMPORARILY CAP UNTIL OPENING IS ENLARGED UNDER NEW WORK.
- 3 DEMOLISH AND REMOVE EXISTING DECK HUNG UNIT HEATER AND ALL ASSOCIATED PIPING, CONTROLS AND HANGERS. REMOVE HWS/HWR PIPING TO BELOW BELOW FLOOR AND PROVIDE CAP. COORDINATE PATCHING/PAINTING WITH THE GENERAL CONTRACTOR.

4 DEMOLISH AND REMOVE HWS/HWR BACK TO POINT INDICATED AND PROVIDE CAP.

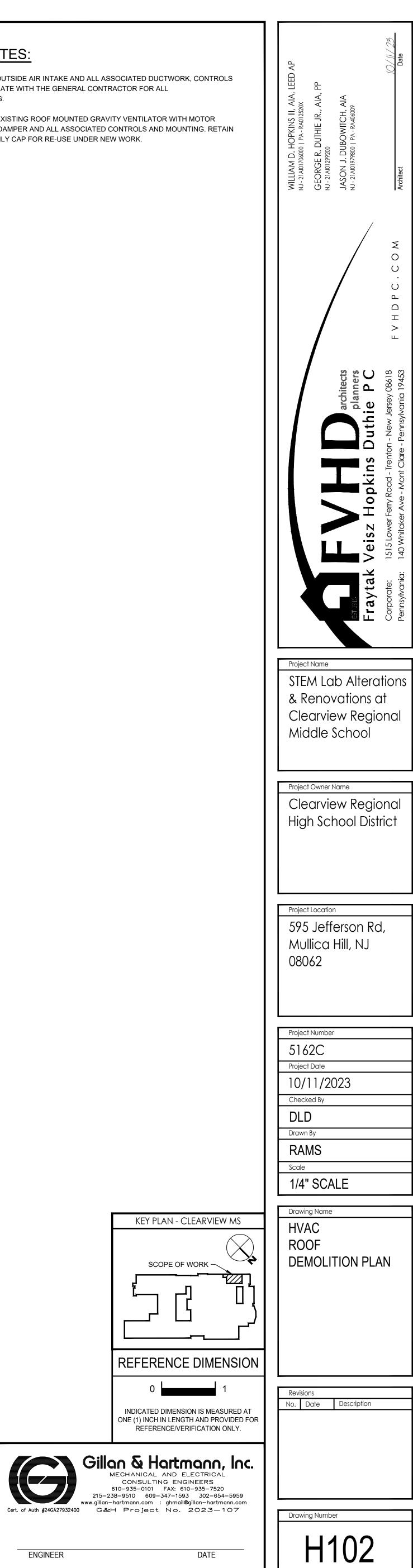
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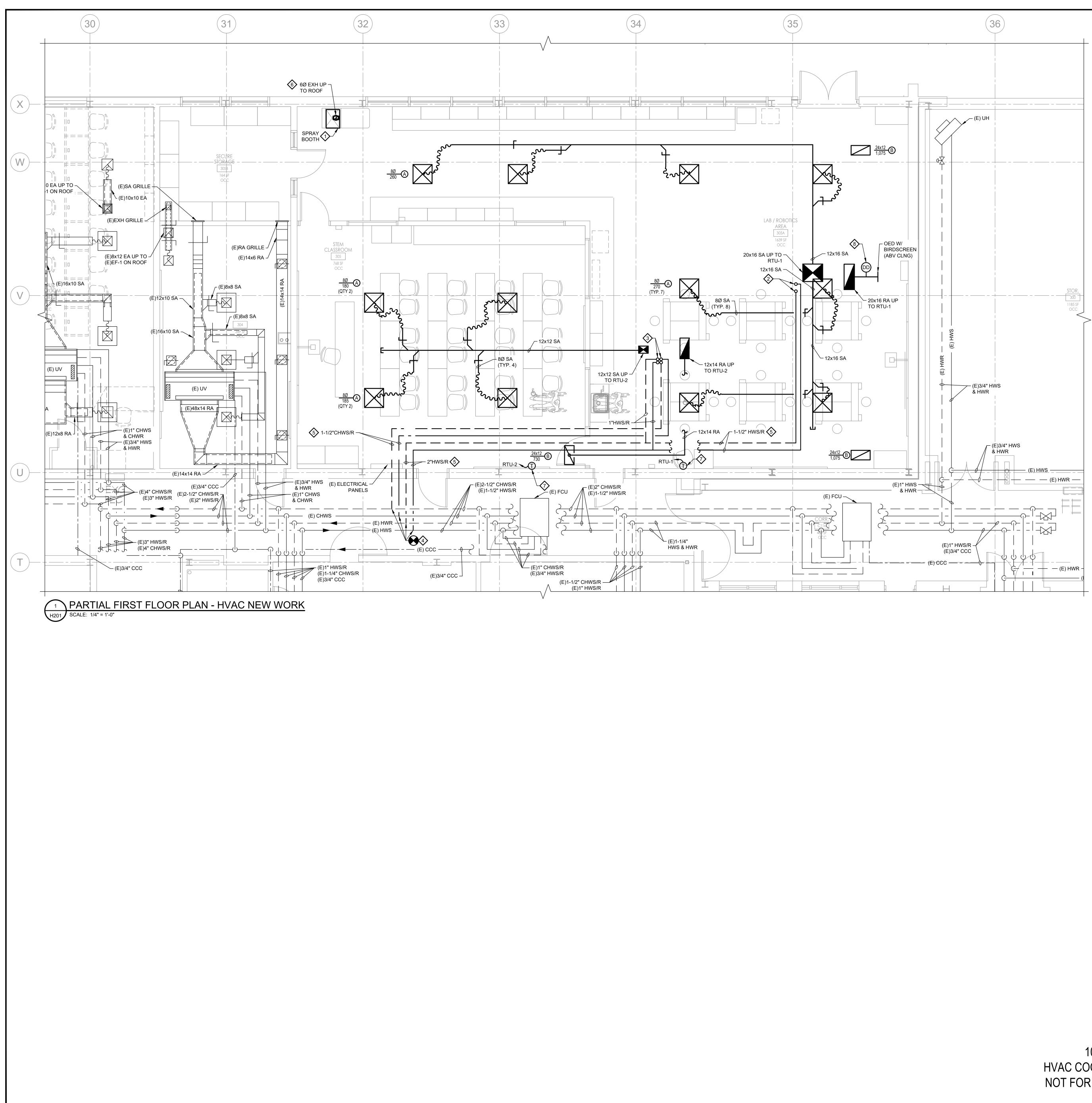




# **DEMOLITION NOTES:**

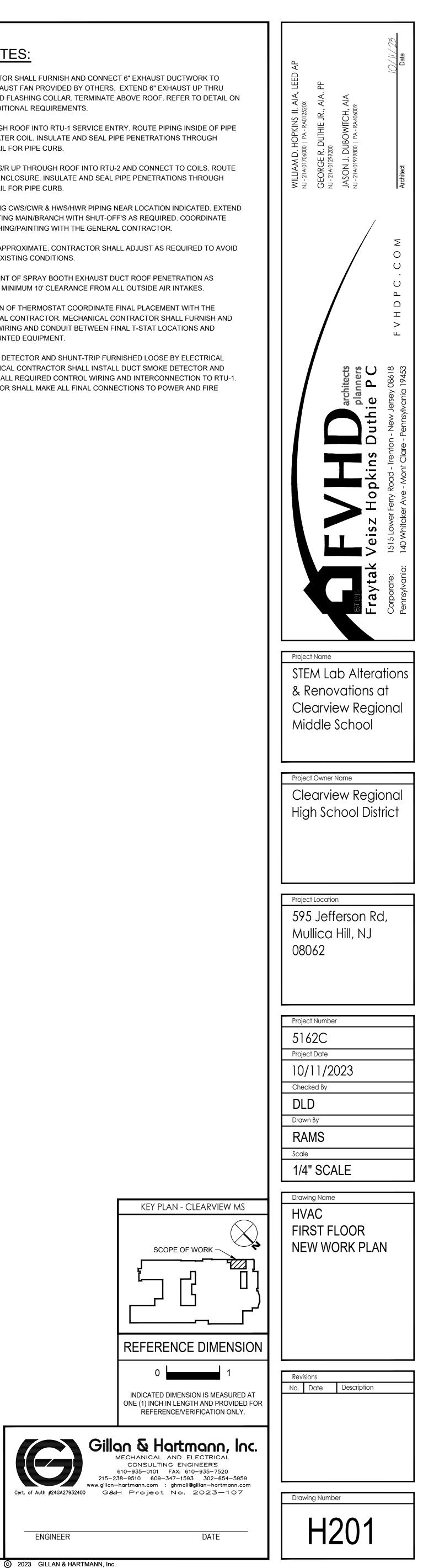
- DEMOLISH AND REMOVE OUTSIDE AIR INTAKE AND ALL ASSOCIATED DUCTWORK, CONTROLS AND MOUNTING. COORDINATE WITH THE GENERAL CONTRACTOR FOR ALL INFILL/PATCHING/PAINTING.
- 2 DEMOLISH AND REMOVE EXISTING ROOF MOUNTED GRAVITY VENTILATOR WITH MOTOR OPERATED MODULATING DAMPER AND ALL ASSOCIATED CONTROLS AND MOUNTING. RETAIN OPENING AND TEMPORARILY CAP FOR RE-USE UNDER NEW WORK.



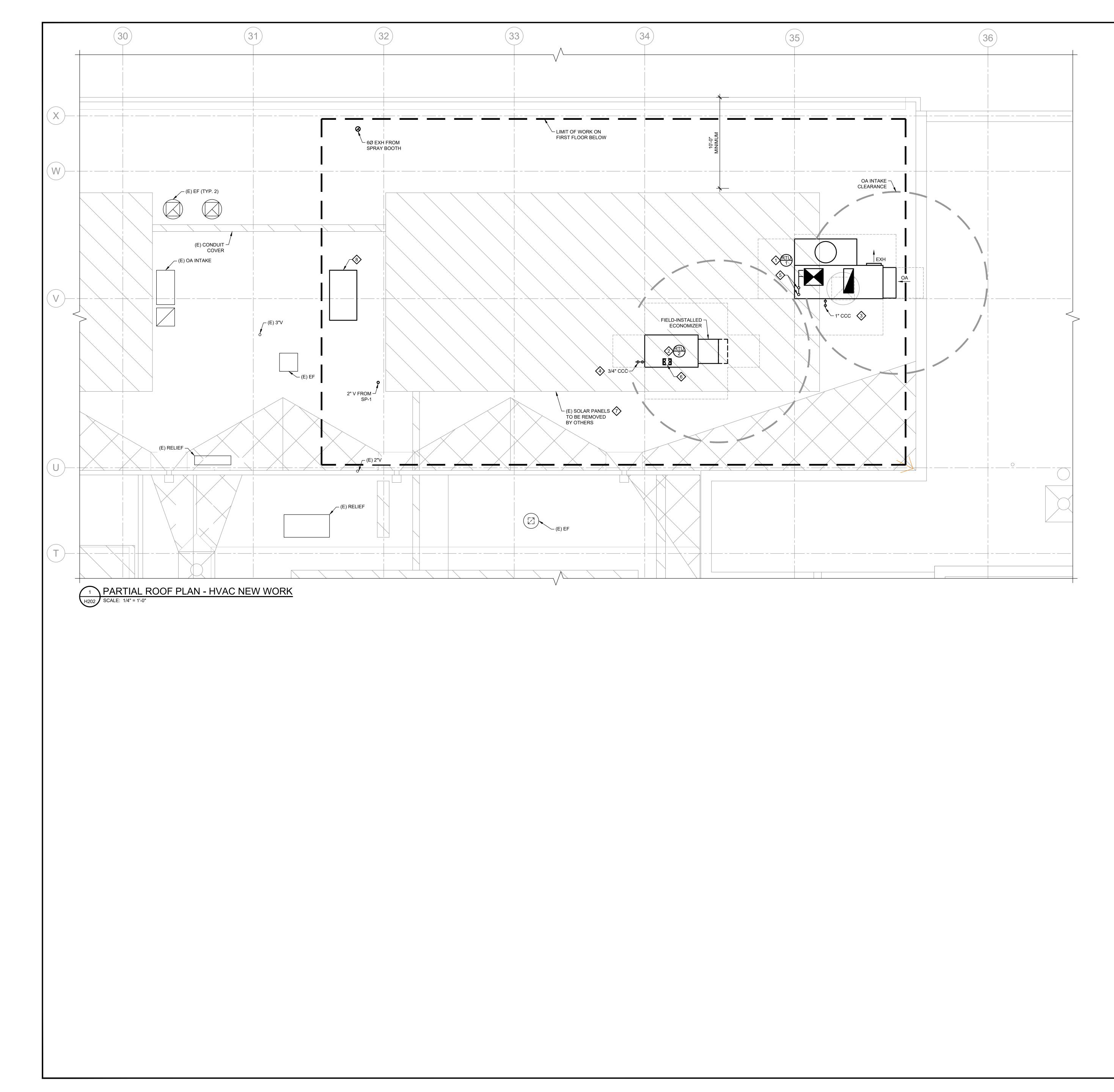


### NEW WORK NOTES:

- MECHANICAL CONTRACTOR SHALL FURNISH AND CONNECT 6" EXHAUST DUCTWORK TO SPRAY BOOTH AND EXHAUST FAN PROVIDED BY OTHERS. EXTEND 6" EXHAUST UP THRU ROOF WITH THIMBLE AND FLASHING COLLAR. TERMINATE ABOVE ROOF. REFER TO DETAIL ON DRAWING H501 FOR ADDITIONAL REQUIREMENTS.
- 1-1/2" HWS/R UP THROUGH ROOF INTO RTU-1 SERVICE ENTRY. ROUTE PIPING INSIDE OF PIPE ENCLOSURE TO HOT WATER COIL. INSULATE AND SEAL PIPE PENETRATIONS THROUGH COVER. REFER TO DETAIL FOR PIPE CURB.
- 1-1/2" CWS/R AND 1" HWS/R UP THROUGH ROOF INTO RTU-2 AND CONNECT TO COILS. ROUTE PIPING INSIDE OF PIPE ENCLOSURE. INSULATE AND SEAL PIPE PENETRATIONS THROUGH COVER. REFER TO DETAIL FOR PIPE CURB.
- VERIFY IN FIELD EXISTING CWS/CWR & HWS/HWR PIPING NEAR LOCATION INDICATED. EXTEND AND CONNECT TO EXISTING MAIN/BRANCH WITH SHUT-OFF'S AS REQUIRED. COORDINATE CORING/CUTTING/PATCHING/PAINTING WITH THE GENERAL CONTRACTOR.
- 5 PIPE ROUTE SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AS REQUIRED TO AVOID CONFLICTS WITH NEW/EXISTING CONDITIONS.
- ADJUST FINAL PLACEMENT OF SPRAY BOOTH EXHAUST DUCT ROOF PENETRATION AS REQUIRED TO MAINTAIN MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
- APPROXIMATE LOCATION OF THERMOSTAT COORDINATE FINAL PLACEMENT WITH THE ARCHITECT AND GENERAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING AND CONDUIT BETWEEN FINAL T-STAT LOCATIONS AND ASSOCIATED ROOF MOUNTED EQUIPMENT.
- B DUCT MOUNTED SMOKE DETECTOR AND SHUNT-TRIP FURNISHED LOOSE BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR AND SHUNT-TRIP INCLUDING ALL REQUIRED CONTROL WIRING AND INTERCONNECTION TO RTU-1. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO POWER AND FIRE ALARM SYSTEMS.

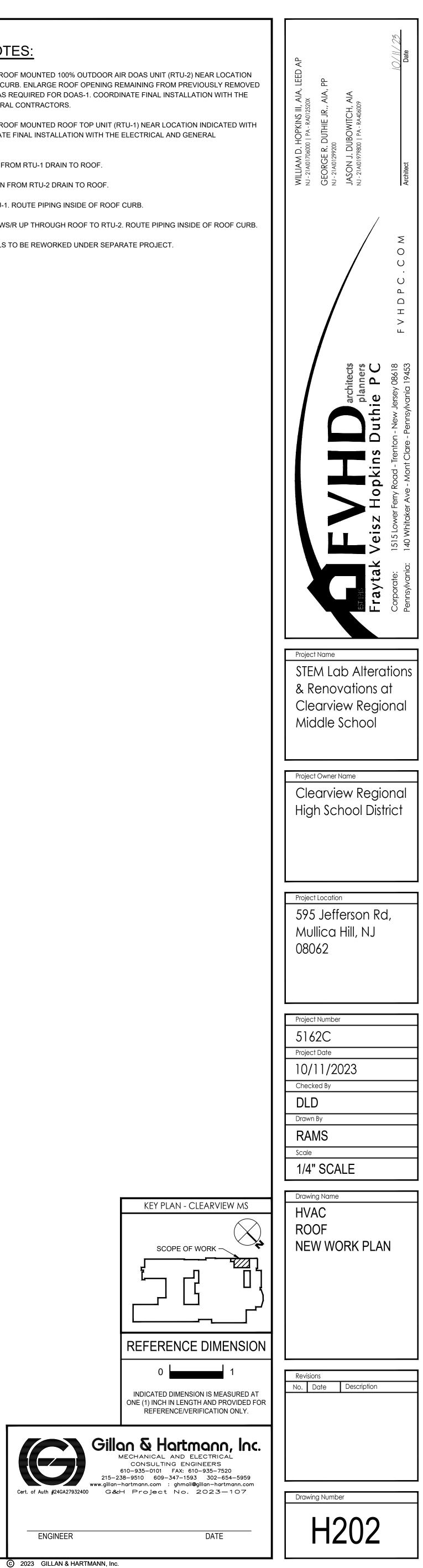


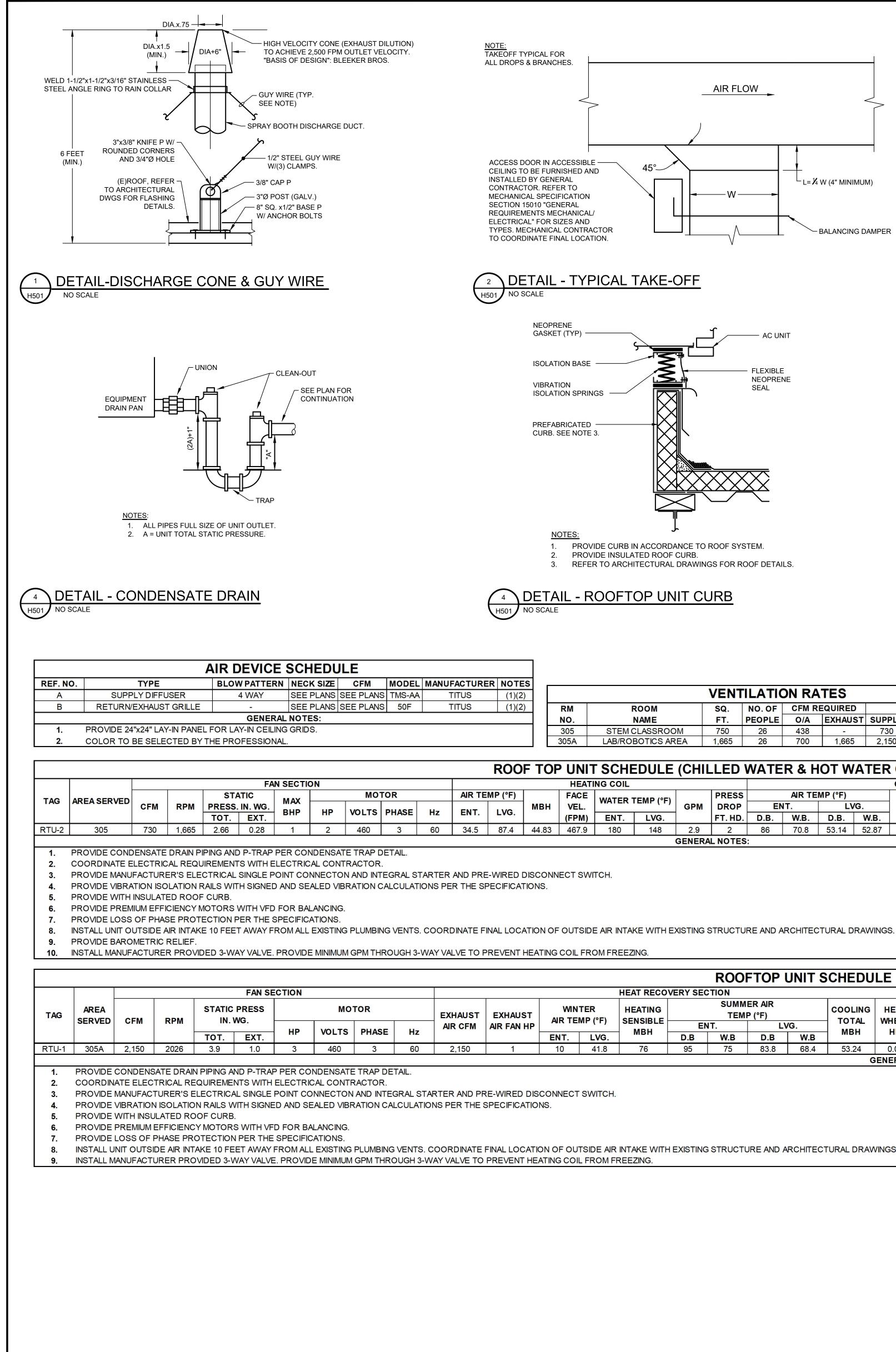
# 10/04/2023 HVAC COORDINATION SET NOT FOR CONSTRUCTION



### NEW WORK NOTES:

- FURNISH AND INSTALL ROOF MOUNTED 100% OUTDOOR AIR DOAS UNIT (RTU-2) NEAR LOCATION INDICATED WITH ROOF CURB. ENLARGE ROOF OPENING REMAINING FROM PREVIOUSLY REMOVED GRAVITY VENTILATOR AS REQUIRED FOR DOAS-1. COORDINATE FINAL INSTALLATION WITH THE ELECTRICAL AND GENERAL CONTRACTORS.
- FURNISH AND INSTALL ROOF MOUNTED ROOF TOP UNIT (RTU-1) NEAR LOCATION INDICATED WITH ROOF CURB. COORDINATE FINAL INSTALLATION WITH THE ELECTRICAL AND GENERAL CONTRACTORS.
- 3 1" CONDENSATE DRAIN FROM RTU-1 DRAIN TO ROOF.
- 4 3/4" CONDENSATE DRAIN FROM RTU-2 DRAIN TO ROOF.
- 5 1-1/2" HWS/R UP TO RTU-1. ROUTE PIPING INSIDE OF ROOF CURB.
- 6 1-1/2" CHWS/R AND 1" HWS/R UP THROUGH ROOF TO RTU-2. ROUTE PIPING INSIDE OF ROOF CURB.
- $\Diamond$  EXISTING SOLAR PANELS TO BE REWORKED UNDER SEPARATE PROJECT.





2" RIGID INSULATION		
20 GA. GALVANIZED		
EXISTING WOOD NAILER	<b>&amp; &amp;</b>	_
EXISTING FLASHING		

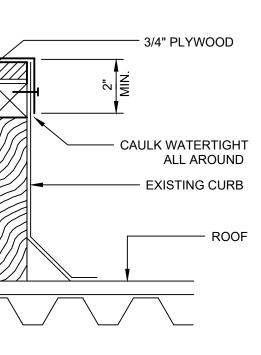
NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL CAPPING DETAIL INFORMATION INCLUDING USE OF FLAT PATCH.

3 DETAIL - CURB CAPPING NO SCALE

	VENTILATION RATES														
RM	ROOM SQ. NO. OF CFM REQUIRED CFM FURNISHED														
NO.	NAME	FT.	PEOPLE	O/A	EXHAUST	SUPPLY	TRANSFER	O/A							
305	STEM CLASSROOM	750	26	438	-	730	-	438							
305A	LAB/ROBOTICS AREA	1,665	26	700	1,665	2,150	-	2,150							

P UNIT	SCHE	DULE	(CHIL	LED \	NATE	R & H	IOT W	ATER		.)								
HEATI	NG COIL								COOLIN	IG COIL					OUTSI	DE AIR		
FACE		TEMP (°F)		PRESS		AIR TE	MP (°F)			FACE	WA	TER		PRESS.	MIN.	MAX.	MODEL	MAN
VEL.	WATER	Г <b>Е</b> МГ (Г)	GPM	DROP	EN	IT.	LV	/G.	MBH	VEL.	TEM	P (°F)	GPM	DROP	CFM	CFM	MODEL	WANG
(FPM)	ENT.	LVG.		FT. HD.	D.B.	W.B.	D.B.	W.B.		(FPM)	ENT.	LVG.		IN. WG.	CFIN	CFIN		
467.9	180	<mark>1</mark> 48	2.9	2	86	70.8	53.14	52.87	39.33	318.5	45	55	7.8	11.7	438	438	39S 02	C
			CENEDA	NOTES														

	HEAT RECO	VERY SEC	TION					HEATING COIL								COOLING COIL										
WINTER HEATING AIR TEMP (°F) SENSIBLE MBH D			SUMM TEMI			COOLING	HEAT			MDU	WAT		0.014	PRESS.			ИР (°F)		MDU	FACE		MIN.	MAX.	MODEL	MANUFACTURER	NOTES
	EN	NT.	LV	G.	TOTAL MBH	WHEEL		P (°F)	MBH	TEMP (°F)	GPM	DROP	EN	IT.	L۱	/G.	МВН	VEL. FPM	REFRIGERANT	CFM	CFM					
ENT. LVG.	МВН	D.B	W.B	D.B	W.B			ENT.	LVG.	LVG. ENT. LVG. IN. WG. D	D.B.	W.B.	D.B.	W.B.		РМ										
10 41.8	76	95	75	83.8	68.4	53.24	0.05	45	37.5	115.5	190	140.3	12	-	82.8	67.8	52.3	53.4	91	252.7	R-410A	2,150	2,150	RN 008	AAON	(1)(2)(3)(4)(5)(6)(7)(8
						G	ENERAL N	IOTES:																		
NNECT SWITCH	Н.																									



### **HVAC SEQUENCE OF OPERATIONS:**

RTU-1 (100% OA, DX COOLING, HW HEATING)

CONTROL: LOCALIZED CONTROL WITH DISCHARGE TEMPERATURE SENSOR NEUTRAL AIR). RTU-1 FURNISHED WITH FACTORY INSTALLED NETWORK CARD FOR FUTURE CONNECTION TO BUILDING WIDE BMS SYSTEM UNDER SEPARATE CONTRACT.

### INTERLOCK OPERATION:

RTU-1 OPERATION SHALL BE INTERLOCKED WITH PAINT BOOTH EXHAUST FAN FURNISHED BY OTHERS. ON PAINT BOOTH OPERATION, RTU-1 SHALL INCREASE SUPPLY FAN CFM TO MEET SPRAY BOOTH EXHAUST RATE. WHEN PAINT BOOTH EXHAUST FAN DE-ENERGIZES, RTU-1 SUPPLY AIR CFM SHALL RETURN TO NORMAL.

### TIME/TEMPERATURE

COORDINATE START/STOP TIMES AND SPACE TEMPERATURE SET POINTS FOR OCCUPIED/UNOCCUPIED MODES WITH CLEARVIEW SCHOOL DISTRICT ENGINEERING.

### OCCUPIED MODE:

COOLING - ON A CALL FOR COOLING FROM SUPPLY TEMPERATURE DISCHARGE, RTU-2 SHALL INDEX TO COOLING MODE, OUTSIDE AIR DAMPERS SHALL MODULATE TO MAINTAIN 100% SUPPLY/EXHAUST AIR. SUPPLY/EXHAUST FANS SHALL ENERGIZE, DX COOLING WITH HOT GAS REHEAT SHALL OPERATE TO MAINTAIN SPACE TEMPERATURE SET POINT. HEATING - ON A CALL FOR HEATING FROM SUPPLY

TEMPERATURE DISCHARGE, RTU-1 SHALL INDEX TO HEATING MODE, OUTSIDE AIR DAMPERS SHALL MODULATE TO MAINTAIN 100% SUPPLY/EXHAUST AIR, SUPPLY/EXHAUST FANS SHALL ENERGIZE, 3-WAY HEATING WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT.

### **UN-OCCUPIED MODE:**

COOLING - ON A CALL FOR COOLING FROM SPACE THERMOSTAT, RTU-2 SHALL INDEX TO COOLING MODE, OUTSIDE AIR DAMPERS SHALL MODULATE TO FULLY CLOSED, SUPPLY FAN SHALL ENERGIZE, DX OPERATION SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT.

HEATING - ON A CALL FOR HEATING FROM SPACE THERMOSTAT, RTU-2 SHALL INDEX TO HEATING MODE, OUTSIDE AIR DAMPER SHALL MODULATE TO MINIMUM OA POSITION, SUPPLY FAN SHALL ENERGIZE, 3-WAY HEATING WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT.

### RTU-2 (CHILLED/HOT WATER HEATING/COOLING)

CONTROL: LOCALIZED CONTROL WITH WALL MOUNTED THERMOSTAT. RTU-2 FURNISHED WITH FACTORY INSTALLED NETWORK CARD FOR FUTURE CONNECTION TO BUILDING WIDE BMS SYSTEM UNDER SEPARATE CONTRACT.

### INTERLOCK OPERATION NONE

TIME/TEMPERATURE: COORDINATE START/STOP TIMES AND SPACE TEMPERATURE SET POINTS FOR OCCUPIED/UNOCCUPIED MODES WITH SCHOOL DISTRICT ENGINEERING.

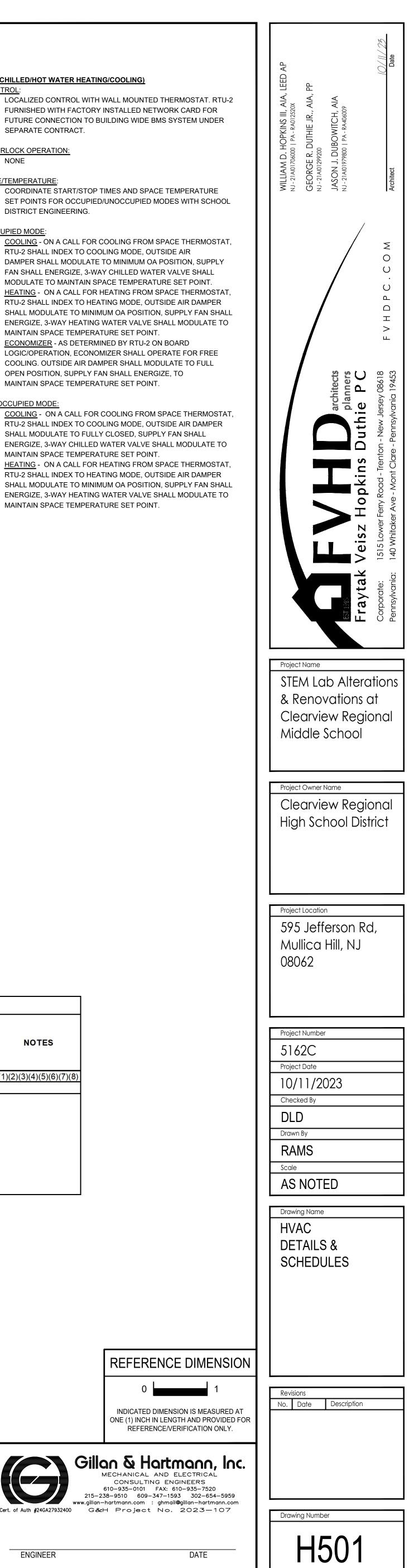
### OCCUPIED MODE:

<u>COOLING</u> - ON A CALL FOR COOLING FROM SPACE THERMOSTAT, RTU-2 SHALL INDEX TO COOLING MODE, OUTSIDE AIR DAMPER SHALL MODULATE TO MINIMUM OA POSITION, SUPPLY FAN SHALL ENERGIZE, 3-WAY CHILLED WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT. HEATING - ON A CALL FOR HEATING FROM SPACE THERMOSTAT, RTU-2 SHALL INDEX TO HEATING MODE, OUTSIDE AIR DAMPER SHALL MODULATE TO MINIMUM OA POSITION, SUPPLY FAN SHALL ENERGIZE, 3-WAY HEATING WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT. ECONOMIZER - AS DETERMINED BY RTU-2 ON BOARD LOGIC/OPERATION, ECONOMIZER SHALL OPERATE FOR FREE COOLING. OUTSIDE AIR DAMPER SHALL MODULATE TO FULL OPEN POSITION, SUPPLY FAN SHALL ENERGIZE, TO MAINTAIN SPACE TEMPERATURE SET POINT.

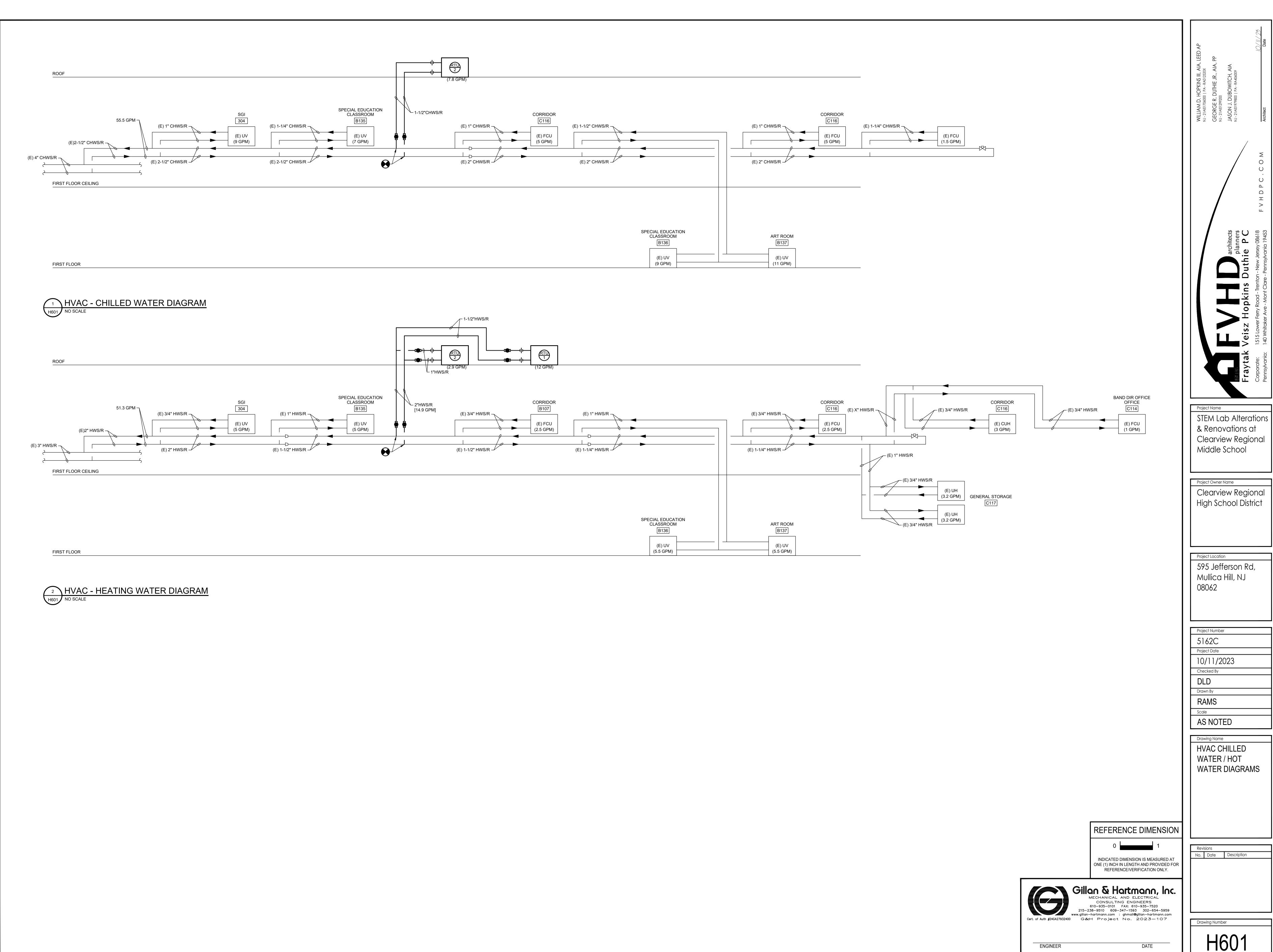
### UN-OCCUPIED MODE:

RTU-2 SHALL INDEX TO COOLING MODE, OUTSIDE AIR DAMPER SHALL MODULATE TO FULLY CLOSED, SUPPLY FAN SHALL ENERGIZE, 3-WAY CHILLED WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT. HEATING - ON A CALL FOR HEATING FROM SPACE THERMOSTAT, RTU-2 SHALL INDEX TO HEATING MODE, OUTSIDE AIR DAMPER SHALL MODULATE TO MINIMUM OA POSITION, SUPPLY FAN SHALL ENERGIZE, 3-WAY HEATING WATER VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SET POINT.

NUFACTURER	NOTES
CARRIER	(1)(2)(3)(4)(5)(6)(7)(8)(9)(10)

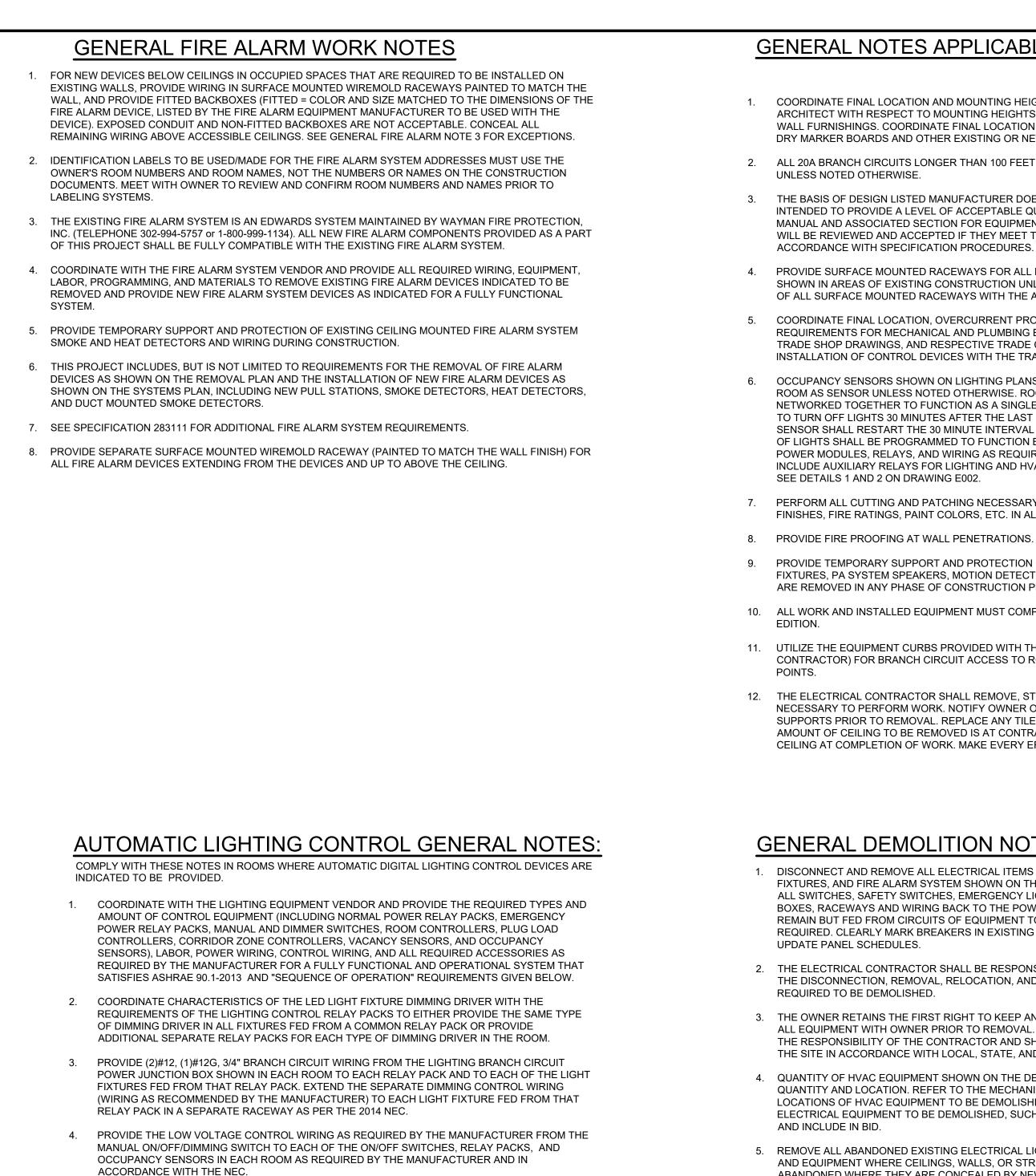


ENGINEER



ART ROOM B137	
(E) UV (11 GPM)	

	SYMBOL LEGEND:
( <u>[])</u>	SYMBOL INDICATED WITH THIN-LINED DASHED LINES INDICATES DEVICE THAT IS SAME AS THAT DESCRIBED WITH SOLID LINES, BUT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
a	LED TYPE 1'x4' LIGHT FIXTURE; LETTER INDICATES TYPE AS DESCRIBED IN THE LIGHT FIXTURE SCHEDULE; LOWER CASE LETTER INDICATES SWITCHING GROUP
· · · · a	LED TYPE 2'x4' LIGHT FIXTURE; LETTER INDICATES TYPE AS DESCRIBED IN THE LIGHT FIXTURE SCHEDULE; LOWER CASE LETTER INDICATES SWITCHING GROUP
	HALF SHADING SHOWN ON LIGHT FIXTURE SYMBOL INDICATES FIXTURE ON EMERGENCY LIGHTING CIRCUIT
н <del>х</del>	EXIT LIGHT WALL MOUNTED. PROVIDE NUMBER OF FACES AND DIRECTION CHEVRONS SHOWN ON ELECTRICAL AND ARCHITECTURAL DRAWINGS AND AS REQUIRED FOR PATH OF EGRESS. CONNECT TO THE UNSWITCHED, CONTINUOUSLY POWERED PORTION OF THE INDICATED EMERGENCY POWER CIRCUIT. WG = PROVIDE WIRE GUARD WHERE INDICATED.
Ŷ	WALL MOUNTED EXTERIOR EGRESS LIGHT FIXTURE. LETTER INDICATES TYPE AS DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.
©5	DUAL TECHNOLOGY (ULTRASONIC + PASSIVE INFRARED) LIGHTING CONTROL OCCUPANCY SENSOR; CEILING FLUSH MOUNTED; MINIMUM 1000 SQUARE FOOT COVERAGE; INCLUDE PROVISIONS AND SET ALL SENSORS FOR 30 MINUTE TIME DELAY OFF. PROVIDE AUXILIARY RELAYS FOR LIGHTING AND HVAC CONTROL AS DESCRIBED ON SPECIFICATION 260923.
	CONTROL WIRING FOR OCCUPANCY SENSOR. SAW-CUT PATH FOR TEACHER DESK AND STEM LAB STUDENT DESK RECEPTACLES. PATCH TO MATCH SURROUNDING AREA. SOLID CIRCLE INDICATES RACEWAY VERTICAL DROP LOCATION FROM ABOVE CEILING.
	HOME RUN - 2#12+1#12G IN 3/4"C UNLESS NOTED OTHERWISE. BRANCH CIRCUIT RUN CONCEALED IN CEILINGS AND WALLS - 2#12+1#12G IN 3/4"C UNLESS NOTED OTHERWISE.
	FINAL CONNECTION TO EQUIPMENT - 2#12+2#12G. IN 3/4"C UNLESS NOTED OTHERWISE.
$\frown$	SEE CONTINUATION OF BRANCH CIRCUIT CEILING AND WALLS - 2#12+1#12G IN 3/4"C UNLESS NOTED OTHERWISE.
	BRANCH CIRCUIT WIRING FOR EMERGENCY LIGHTING.
	FUSED DISCONNECT SWITCH AS PER SPECIFICATION REQUIREMENTS, 3 POLE, 30 AMP UNLESS NOTED OTHERWISE. WP = EXTERIOR WEATHERPROOF
S,S3,S4,Sa SK	SINGLE POLE, THREE WAY SWITCH, AND FOUR WAY SWITCH. LOWER CASE LETTER INDICATES SEPARATE SWITCHING CIRCUIT; LETTER "K" INDICATES KEY OPERATED SWITCH
_^_	
U	EXTERIOR NEMA 3R RATED JUNCTION BOX
(#)	ELECTRICAL REMOVAL/DEMOLITION NOTES ON REMOVAL/ DEMOLITION DRAWINGS
<b>(#</b> )	SEE SHEET NOTE #
(# #	MECHANICAL EQUIPMENT TAG, REFER TO MECHANICAL DRAWINGS
Φ _T	DUPLEX CONVENIENCE RECEPTACLE, MOUNTED 18"AFF UNLESS NOTED OTHERWISE. "T" INDICATES CEILING TRACK MOUNTED.
● ^{GFI}	TAMPERPROOF GFI TYPE DUPLEX CONVENIENCE RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR, INSTALLED IN THE ASSOCIATED WIREMOLD UNLESS NOTED OTHERWISE.
WP P	EXTERIOR WEATHERPROOF GFI TYPE DUPLEX CONVENIENCE RECEPTACLE WITH COVER TO MAINTAIN WEATHERPROOF CONNECTION FOR ATTACHMENT PLUG IN ACCORDANCE WITH NEC 406.9(B)
<del>\$</del>	TAMPERPROOF QUADRAPLEX CONVENIENCE GFI RECEPTACLEC ONTROLLED BY OCCUPANCY SENSOR INSTALLED IN THE ASSOCIATED WIREMOLD UNLESS NOTED OTHERWISE.
Ŷ	SPECIAL RECEPTACLE, TYPE AS NOTED. COORDINATE FINAL CONFIGURATION WITH FURNISHED EQUIPMENT.
• <u>w</u> www	TWO CHANNEL (POWER AND DATA ), SURFACE WALL MOUNTED, METAL WIREMOLD 4000 SERIES RACEWAY. SOLID CIRCLE INDICATES RACEWAY VERTICAL DROP LOCATION FROM ABOVE CEILING. PROVIDE CONTINUOUS VERTICAL AND HORIZONTAL WIREMOLD INSTALLATION WHERE SHOWN. COORDINATE WITH THE ARCHITECT FOR THE FINAL COLOR OF THE WIREMOLD. PROVIDE ALL REQUIRED WIREMOLD PARTS AND ACCESSORIES FOR A COMPLETE WIREMOLD INSTALLATION FOR THE POWER AND DATA OUTLETS THAT ARE INDICATED.
•	NEW PLUGSTRIP SURFACE WALL MOUNTED, TAMPER-RESISTANT WH20GB606TR (FOR 6' SEGMENTS) AND WH20GB306TR (FOR 3' SEGMENTS), OR APPROVED EQUIVALENTS. SOLID CIRCLE INDICATES RACEWAY VERTICAL DROP LOCATION FROM ABOVE CEILING. PROVIDE CONTINUOUS VERTICAL AND HORIZONTAL WIREMOLD INSTALLATION WHERE SHOWN. COORDINATE WITH THE ARCHITECT FOR THE FINAL COLOR OF THE WIREMOLD. PROVIDE ALL REQUIRED WIREMOLD PARTS AND ACCESSORIES FOR A COMPLETE WIREMOLD INSTALLATION FOR THE POWER AND DATA OUTLETS THAT ARE INDICATED.
	EXISTING PANELBOARD OR SWITCHBOARD TO REMAIN IN PLACE
Θ	FIRE ALARM SYSTEM HEAT DETECTOR. NEW DEVICES ARE TO BE ADDRESSABLE AND FLUSH MOUNTED ON THE CEILING. PROVIDE A COVERPLATE PAINTED TO MATCH THE CEILING FOR ANY DETECTOR NOT REPLACED AT THE SAME LOCATION. THE LETTER "A" INDICATES AN EXISTING ASSOCIATED HEAT DETECTOR LOCATED ABOVE THE CEILING TO BE REMOVED. WG = PROVIDE WIRE GUARD WHERE INDICATED.
EQ	FIRE ALARM HORN W/ADA STROBE LIGHT. MOUNT NEW WALL DEVICES 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. ADJUST HORNS IN CLASSROOMS OFFICES, AND OTHER SMALL AREAS OTHER THAN CORRIDORS TO NOT EXCEED 110dB AS PER NFPA-72. "C" INDICATES CEILING MOUNTED. SET STROBE AT 15cd UNLESS NOTED OTHERWISE.
	FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR WITH REMOTE ALARM INDICATING AND TEST STATION. INSTALL NEW REMOTE TEST AND ALARM INDICATING STATIONS FLUSH MOUNTED IN THE NEAREST CORRIDOR DROPPED CEILING BELOW THE UNIT (OR WALL SURFACE MOUNTED WITH ALL REQUIRED FITTED SURFACE BACKBOX AND WIREMOLD RACEWAY PAINTED TO MATCH THE WALL UNLESS NOTED OTHERWISE). LABEL THE INDICATOR TO IDENTIFY THE ASSOCIATED HVAC UNIT.
FACP	EXISTING MAIN FIRE ALARM CONTROL PANEL TO REMAIN IN PLACE.
Ec	MANUAL FIRE ALARM PULL STATION. PROVIDE NEW ADDRESSABLE PULL STATIONS AS SHOWN ON NEW WORK DRAWINGS. PROVIDE ALL NEW ADDRESSABLE PULL STATIONS WITH ALARMED LIFT COVER (PROVIDE ALARM LIFT COVER EXTENSION RINGS AS REQUIRED), SURFACE MOUNT 48" AFF. CONCEAL WIRING IN SURFACE MOUNTED WIREMOLD RACEWAY PAINTED TO MATCH THE WALL. WG = PROVIDE WIRE GUARD WHERE INDICATED.
E-)	EMERGENCY POWER OFF PUSH BUTTON STATION MOUNTED 46"AFF. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN. SEE DETAIL 4/E701 FOR REQUIREMENTS.
ÓA	CLOCK (POWERED AND CONTROLLED FROM THE BUILDING WIDE CLOCK SYSTEM) AND PUBLIC ADDRESS SYSTEM (POWERED AND CONTROLLED FROM THE BUILDING WIDE CLOCK SYSTEM) SPEAKER WITH LISTED COMPATIBLE BACKBOX. SEE DRAWING NOTES FOR REQUIREMENTS ASSOCIATED WITH THESE DEVICES
Д	DATA OUTLETS INSTALLED IN WIREMOLD RACEWAY. PROVIDE RJ45 DATA JACK, COVER PLATE, CAT6 DATA CABLE TERMINATED TO THE JACK AND EXTENDED TO DATA RACK "C" ROOM "B138". PROVIDE IDENTIFICATION LABELING ON THE COVERPLATE AS REQUIRED IN THE SPECIFICATION (COORDINATE IDENTIFICATION REQUIREMENTS WITH THE OWNER).
	EXHAUST FAN PROVIDED BY THE MECHANCIAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR
© 	SURFACE MOUNTED WIRELESS CLOCK. WALL MOUNTED PUBLIC ADDRESS LOUDSPEAKER.
RC	WALL MOUNTED PUBLIC ADDRESS LOUDSPEAKER. CEILING MOUNTED DIGITAL LIGHT CONTROLLER. BASIS OF DESIGN: WATTSTOPPER DLM SYSTEM.
PC	CEILING MOUNTED DIGITAL PLUG CONTROLLER. BASIS OF DESIGN: WATTSTOPPER DLM SYSTEM.
15cd	FIRE ALARM COMBINATION VOICE AUDIO AND ADA COMPLIANT VISUAL STROBE ALARM INDICATION DEVICE FLUSH MOUNTED IN A DROPPED CEILING WITH MINIMUM 15cd INTENSITY UNLESS NOTED OTHERWISE. COORDINATE ACTUAL CANDELA LEVEL WITH THE FIRE ALARM SHOP DRAWING REQUIREMENTS. "H" WHERE SHOWN INDICATES DEVICE SURFACE MOUNTED ON A HARD OR STRUCTURAL CEILING AND PROVIDED WITH A FITTED BACK BOX (FITTED TO MATCH THE DEVICE) AND SURFACE MOUNTED WIREMOLD RACEWAY FROM THE DEVICE UP TO THE CEILING WHERE THE WIRING EXTENDS CONCEALED. COORDINATE CEILING MOUNTING REQUIREMENTS (DROP CEILING OR HARD CEILING) AND INCLUDE PROVISIONS FOR DROP CEILING OR HARD CEILING AS REQUIRED. PAINT THE SURFACE MOUNTED RACEWAY TO MATCH THE EXISTING WALL FINISH.
$\odot$	CARBON MONOXIDE DETECTOR WIRED TO THE NEW FIRE ALARM SYSTEM TO PROVIDE A TROUBLE SIGNAL UPON ACTIVATION. COORDINATE CEILING MOUNTING REQUIREMENTS (DROP CEILING OR HARD CEILING) AND INCLUDE PROVISIONS FOR DROP CEILING OR HARD CEILING AS REQUIRED.



- 5. THE SEQUENCE OF OPERATION FOR THE LIGHT FIXTURES SHALL BE AS FOLLOWS: 1. MANUAL ON TO 100% LIGHTING LEVEL. 2. MANUAL DIMMING BY OPERATOR AT A DIMMING SWITCH. 3. LIGHT LEVEL AUTOMATICALLY SHUT OFF AFTER 20 MINUTES OF NO OCCUPANCY. 4. IN THE EVENT OF LOSS OF NORMAL POWER, LIGHT FIXTURES IDENTIFIED AS EMERGENCY WILL TURN ON AT 100% LIGHTING LEVEL.
- COMPLY WITH THE SHOP DRAWING, PRECONSTRUCTION CONFERENCE, AND TESTING REQUIREMENTS IN THE PROGRAMMED LIGHTING CONTROL DEVICES IN THE LIGHTING CONTROLS SPECIFICATIONS.

			_	_			CHEDULE TURE REQUIREMENTS			
TYPE	MODEL	LAMPING	WATTAGE	LUMENS	CRI	COLOR TEMP	DESCRIPTION	VOLT	MOUNTING HEIGHT	NOTES
A1	PHILIPS DAY-BRITE 2FGG42B840- 4-D-UNV-DIM	LED	34	4214	80	4000K	RECESSED 2'x4' ARCHITECTURAL	120	CEILING	-
A2	PHILIPS DAY-BRITE 2FGG54L840- 4-D-UNV-DIM	LED	49	5594	80	4000K	RECESSED 2'x4' ARCHITECTURAL	120	CEILING	-

YPLAN OR DETAII NUMBER SCALE: 1/4" = 1'-0

### GENERAL NOTES APPLICABLE TO ALL DRAWINGS:

1. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF ALL OUTLETS AND DEVICES WITH OWNER AND ARCHITECT WITH RESPECT TO MOUNTING HEIGHTS AND LOCATION OF EQUIPMENT, FURNITURE AND WALL FURNISHINGS. COORDINATE FINAL LOCATION SO AS NOT TO INTERFERE WITH EXHIBIT BOARDS, DRY MARKER BOARDS AND OTHER EXISTING OR NEW SURFACE MOUNTED ITEMS.

2. ALL 20A BRANCH CIRCUITS LONGER THAN 100 FEET SHALL BE MINIMUM WIRE SIZE 2#10AWG+1#12AWG UNLESS NOTED OTHERWISE. 3. THE BASIS OF DESIGN LISTED MANUFACTURER DOES NOT INDICATE A PROPRIETARY SYSTEM, BUT IS

INTENDED TO PROVIDE A LEVEL OF ACCEPTABLE QUALITY. REFER TO THE PROJECT SPECIFICATION MANUAL AND ASSOCIATED SECTION FOR EQUIPMENT MANUFACTURERS LIST. EQUAL SUBSTITUTIONS WILL BE REVIEWED AND ACCEPTED IF THEY MEET THE SAME LEVEL OF QUALITY AND ARE SUBMITTED IN ACCORDANCE WITH SPECIFICATION PROCEDURES.

4. PROVIDE SURFACE MOUNTED RACEWAYS FOR ALL NEW OR RELOCATED WALL MOUNTED DEVICES SHOWN IN AREAS OF EXISTING CONSTRUCTION UNLESS NOTED OTHERWISE. COORDINATE THE COLOR OF ALL SURFACE MOUNTED RACEWAYS WITH THE ARCHITECT PRIOR TO ORDERING THIS EQUIPMENT.

5. COORDINATE FINAL LOCATION, OVERCURRENT PROTECTION REQUIREMENTS, AND CONNECTION REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT WITH THE ASSOCIATED TRADE DRAWINGS, TRADE SHOP DRAWINGS, AND RESPECTIVE TRADE CONTRACTORS. COORDINATE LOCATION AND INSTALLATION OF CONTROL DEVICES WITH THE TRADE CONTRACTORS.

6. OCCUPANCY SENSORS SHOWN ON LIGHTING PLANS ARE TO CONTROL ALL LIGHT FIXTURES IN THE SAME ROOM AS SENSOR UNLESS NOTED OTHERWISE. ROOMS WITH MULTIPLE SENSORS SHALL HAVE SENSORS NETWORKED TOGETHER TO FUNCTION AS A SINGLE UNIT. SENSORS SHALL BE INITIALLY PROGRAMMED TO TURN OFF LIGHTS 30 MINUTES AFTER THE LAST DETECTED MOTION. ANY MOVEMENT DETECTED BY SENSOR SHALL RESTART THE 30 MINUTE INTERVAL BEFORE LIGHTS ARE TURNED OFF. SENSOR CONTROL OF LIGHTS SHALL BE PROGRAMMED TO FUNCTION BEFORE THE LOCAL WALL SWITCH. PROVIDE SENSOR POWER MODULES, RELAYS, AND WIRING AS REQUIRED BY THE MANUFACTURER. THE SENSORS SHALL INCLUDE AUXILIARY RELAYS FOR LIGHTING AND HVAC CONTROL AS REQUIRED IN THE SPECIFICATIONS. SEE DETAILS 1 AND 2 ON DRAWING E002.

7. PERFORM ALL CUTTING AND PATCHING NECESSARY TO PERFORM WORK. MATCH EXISTING MATERIALS, FINISHES, FIRE RATINGS, PAINT COLORS, ETC. IN ALL AREAS OF PATCHING.

9. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF EXISTING CEILING MOUNTED FIRE ALARM LIGHT FIXTURES, PA SYSTEM SPEAKERS, MOTION DETECTORS, AND ASSOCIATED WIRING WHEN THE CEILINGS ARE REMOVED IN ANY PHASE OF CONSTRUCTION PRIOR TO WORK IN THAT AREA.

10. ALL WORK AND INSTALLED EQUIPMENT MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE 2020

11. UTILIZE THE EQUIPMENT CURBS PROVIDED WITH THE HVAC EQUIPMENT (CURBS PROVIDED BY THE HVAC CONTRACTOR) FOR BRANCH CIRCUIT ACCESS TO ROOFTOP OUTLETS AND EQUIPMENT CONNECTION

12. THE ELECTRICAL CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL EXISTING CEILING SYSTEMS AS NECESSARY TO PERFORM WORK. NOTIFY OWNER OF ANY EXISTING DAMAGE TO CEILING TILE AND SUPPORTS PRIOR TO REMOVAL. REPLACE ANY TILES AND SUPPORTS DAMAGED AS A RESULT OF WORK. AMOUNT OF CEILING TO BE REMOVED IS AT CONTRACTOR'S DISCRETION. REINSTALL ALL REMOVED CEILING AT COMPLETION OF WORK. MAKE EVERY EFFORT TO MINIMIZE OPEN CEILINGS.

### **GENERAL DEMOLITION NOTES:**

AND LOCATION.

1. DISCONNECT AND REMOVE ALL ELECTRICAL ITEMS ASSOCIATED WITH THE HVAC EQUIPMENT, LIGHTING FIXTURES, AND FIRE ALARM SYSTEM SHOWN ON THE DEMOLITION PLAN. DEMOLISHED ITEMS TO INCLUDE ALL SWITCHES, SAFETY SWITCHES, EMERGENCY LIGHTING POWER SUPPLIES AND BATTERIES, ELECTRICAL BOXES, RACEWAYS AND WIRING BACK TO THE POWER SOURCE. MAINTAIN POWER TO LOADS THAT ARE TO REMAIN BUT FED FROM CIRCUITS OF EQUIPMENT TO BE REMOVED; INTERCEPT AND EXTEND WIRING AS REQUIRED. CLEARLY MARK BREAKERS IN EXISTING PANEL AS "SPARE" FOR DEMOLISHED CIRCUITS AND

2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND COSTS ASSOCIATED WITH THE DISCONNECTION, REMOVAL, RELOCATION, AND DISPOSAL OF THE ELECTRICAL EQUIPMENT THAT IS

3. THE OWNER RETAINS THE FIRST RIGHT TO KEEP ANY REMOVED EQUIPMENT. REVIEW THE DISPOSITION OF ALL EQUIPMENT WITH OWNER PRIOR TO REMOVAL. ALL EQUIPMENT AND OR MATERIAL BEING REMOVED IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RETAINED, DISPOSED OF, AND REMOVED FROM THE SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES.

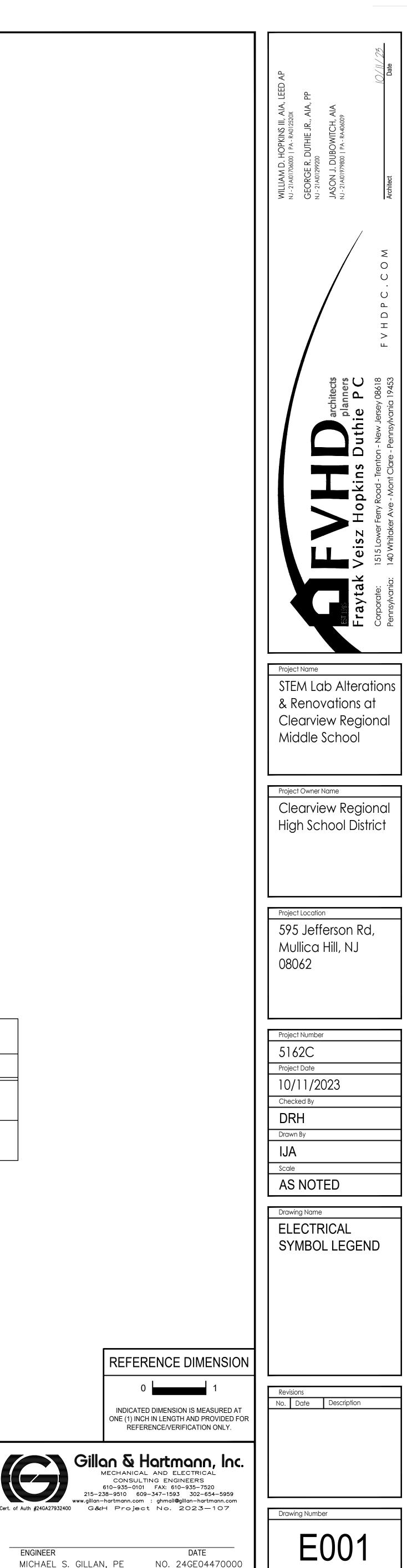
4. QUANTITY OF HVAC EQUIPMENT SHOWN ON THE DEMOLITION DRAWINGS IS INDICATIVE OF EXISTING QUANTITY AND LOCATION. REFER TO THE MECHANICAL DEMOLITION DRAWINGS FOR QUANTITIES AND LOCATIONS OF HVAC EQUIPMENT TO BE DEMOLISHED. VERIFY ACTUAL QUANTITIES OF ASSOCIATED ELECTRICAL EQUIPMENT TO BE DEMOLISHED, SUCH AS DISCONNECT SWITCHES AND MOTOR STARTERS,

REMOVE ALL ABANDONED EXISTING ELECTRICAL LIGHT FIXTURES, RACEWAYS, WIRING, CABLE, DEVICES, AND EQUIPMENT WHERE CEILINGS, WALLS, OR STRUCTURE ARE REMOVED. RACEWAYS MAY BE ABANDONED WHERE THEY ARE CONCEALED BY NEW CONSTRUCTION. LABEL ALL ABANDONED RACEWAYS AT EACH JUNCTION BOX.

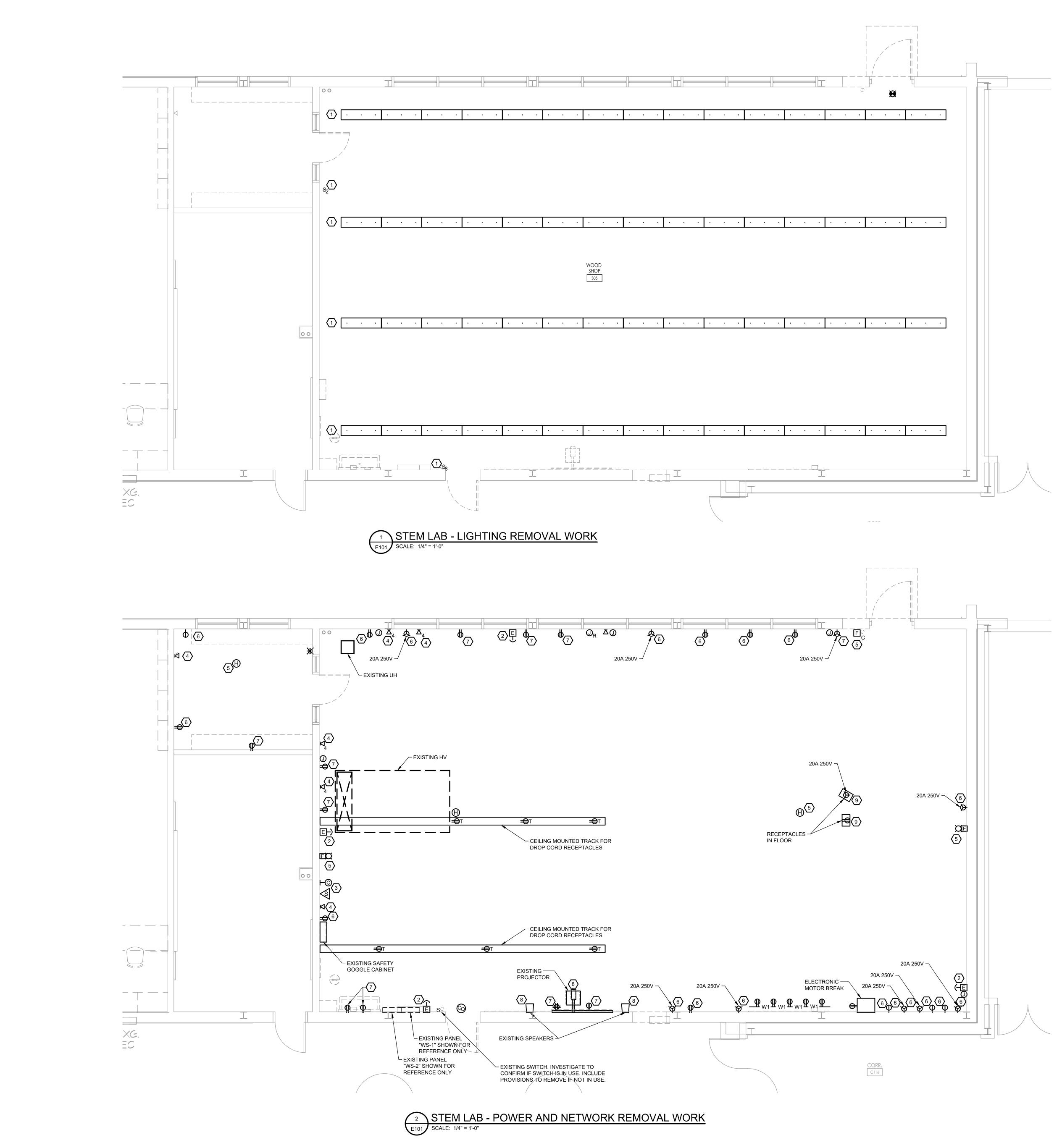
6. PERFORM ALL REQUIRED PATCHING AND PAINTING AFTER DEMOLITION AS REQUIRED TO RESTORE SURFACES TO MATCH SURROUNDING SURFACE FINISHES.

7. TAG ALL EQUIPMENT AND DEVICES BEING REMOVED AND REINSTALLED WITH THE ROOM NUMBER AND LOCATION FROM WHICH IT IS BEING REMOVED TO ENSURE THAT IT IS REINSTALLED IN THE SAME ROOM

8. THE OWNER WILL REMOVE AND REINSTALL ALL MOVABLE EQUIPMENT AND FLOOR MOUNTED SHELVING UNLESS NOTED OTHERWISE. REMOVE, STORE AND REINSTALL EXISTING BUILT-IN EQUIPMENT AS REQUIRED TO PERFORM THE WORK, UNLESS NOTED OTHERWISE.



ENGINEER MICHAEL S. GILLAN, PE © 2023 GILLAN & HARTMANN, Inc.



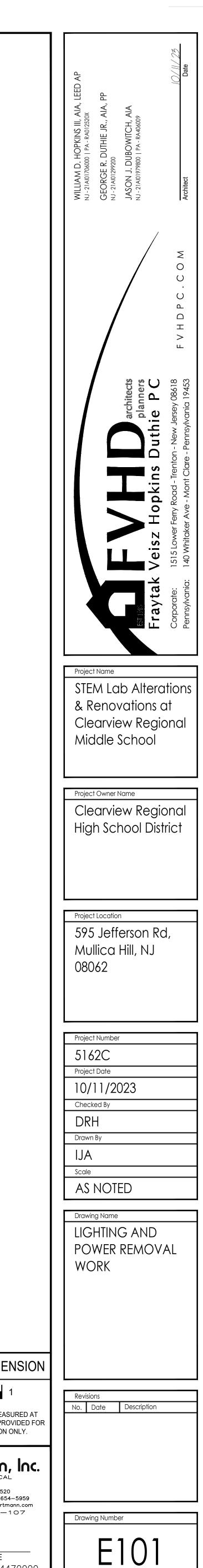
**REMOVAL NOTES:** 

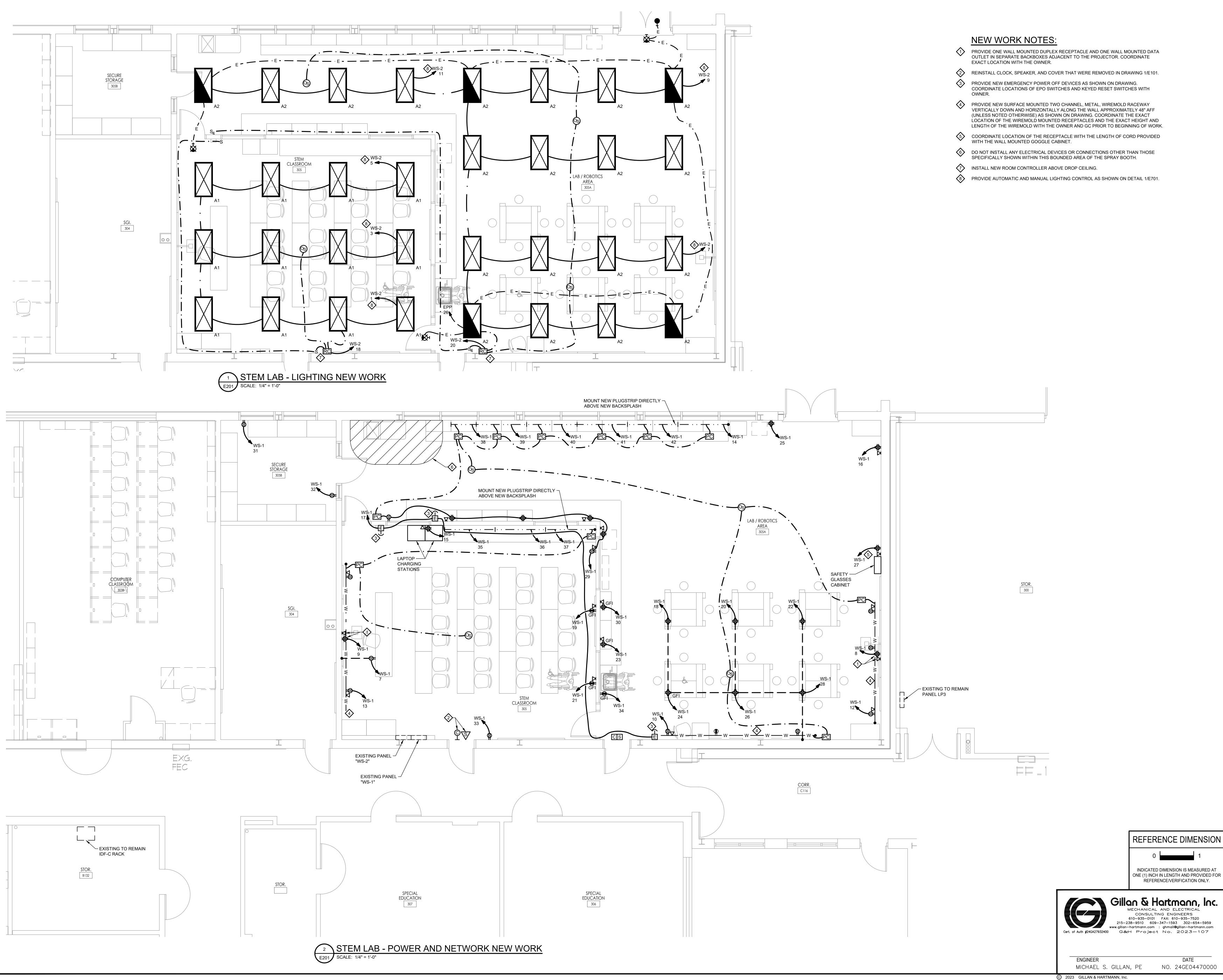
- DISCONNECT AND REMOVE ALL EXISTING LIGHTS AND ASSOCIATED LIGHT SWITCHES AS SHOWN INCLUDING EXIT SIGNS AND BATTERY POWERED LIGHTS AND ASSOCIATED BATTERIES AND BOXES. INSTALL COVER PLATES WHERE WALL SWITCHES WERE REMOVED AND NOT BEING REPLACED AND PAINT TO MATCH WALL FINISH. SEE GENERAL DEMOLITION NOTES ON DRAWING E001.
- DISCONNECT AND REMOVE POWER AND CONTROL WIRING FROM EXISTING EPO BACK TO ITS SOURCE. COORDINATE ALL WORK WITH THE MC.
- 3 REMOVE, CLEAN AND STORE EXISTING CLOCK, SPEAKER, AND COVER FROM THE BACK BOX FOR REINSTALLATION AS SHOWN ON 2/E102. PROTECT THE WIRE CONNECTIONS IN THE BACK BOX FROM PAINT AND DIRT. BACK BOX IS TO REMAIN IN PLACE.
- DISCONNECT AND REMOVE DATA JACK AND WIRING BACK TO THE SOURCE. TURN DATA JACK OVER TO OWNER.
- 5 PROTECT AND SUPPORT EXISTING FIRE ALARM DETECTORS AND NOTIFICATION DEVICES TO MAINTAIN FIRE ALARM SYSTEM SERVICE THROUGHOUT THE PROJECT UNTIL NEW DEVICES ARE IN SERVICE. COORDINATE ALL WORK WITH THE FIRE ALARM SYSTEM VENDOR. REFER TO GENERAL NOTES ON DRAWING E001 FOR ALL REMOVAL WORK.
- 6 DISCONNECT AND REMOVE WIRING FOR RECESSED RECEPTACLES AND REPLACE WITH BLANK FACEPLATE.
- The disconnect and remove wiring for surface mounted receptacles and<br/>associated wiremold.
- B DISCONNECT AND REMOVE PROJECTOR, SPEAKERS, AND ASSOCIATED WIRING BACK TO SOURCE.
- DISCONNECT AND REMOVE FLOOR MOUNTED RECEPTACLES AND ASSOCIATED WIRING BACK TO SOURCE. REMOVE ASSOCIATED JUNCTION BOX AND SEAL FLUSH WITH FLOOR.

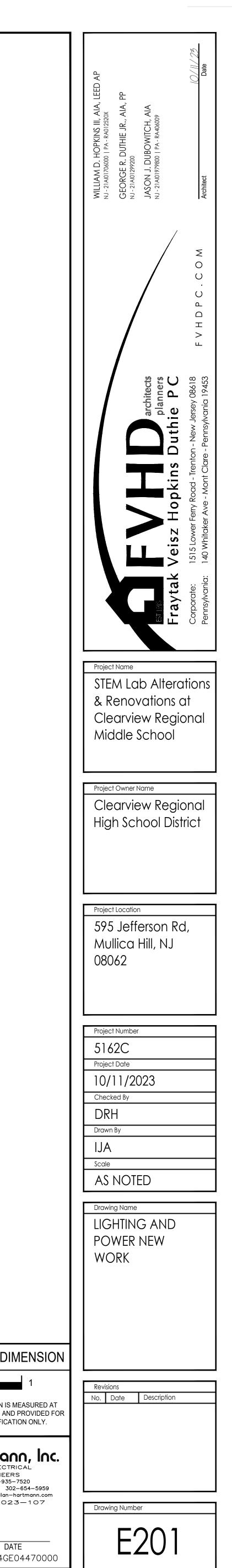
**REFERENCE DIMENSION** 

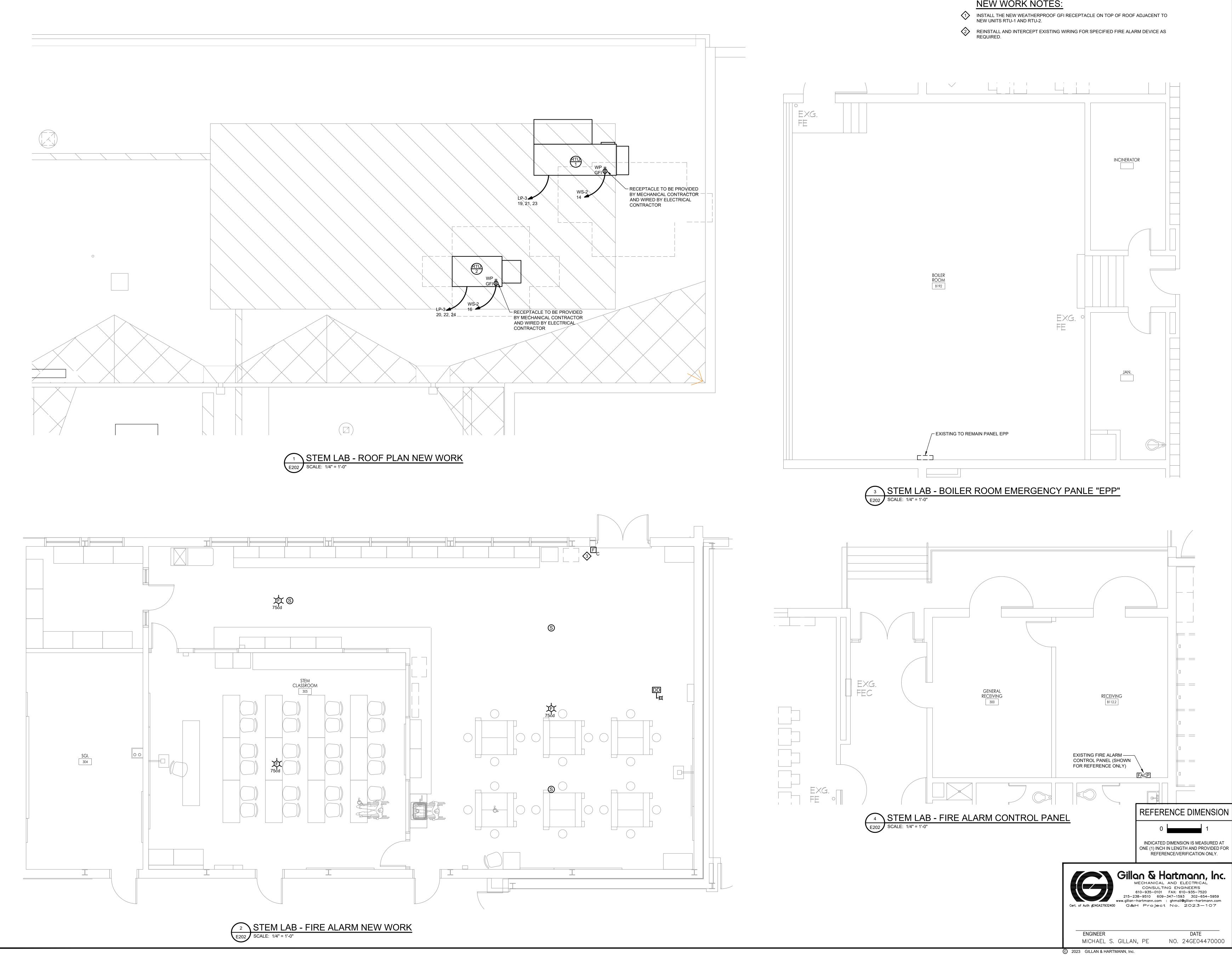
INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.

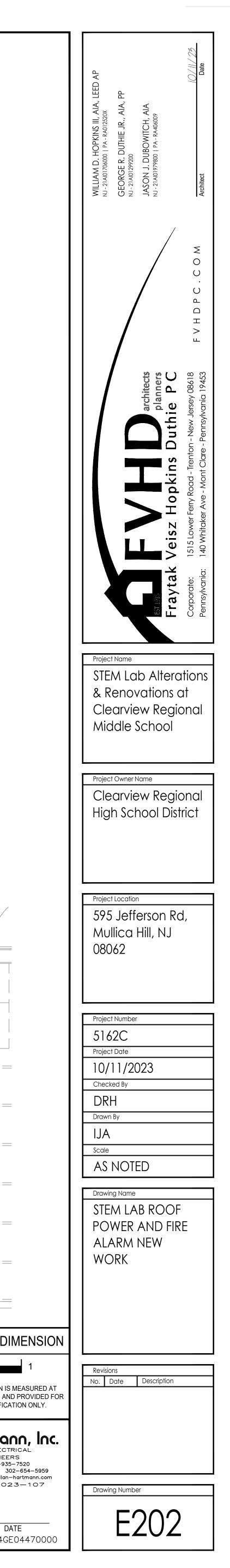


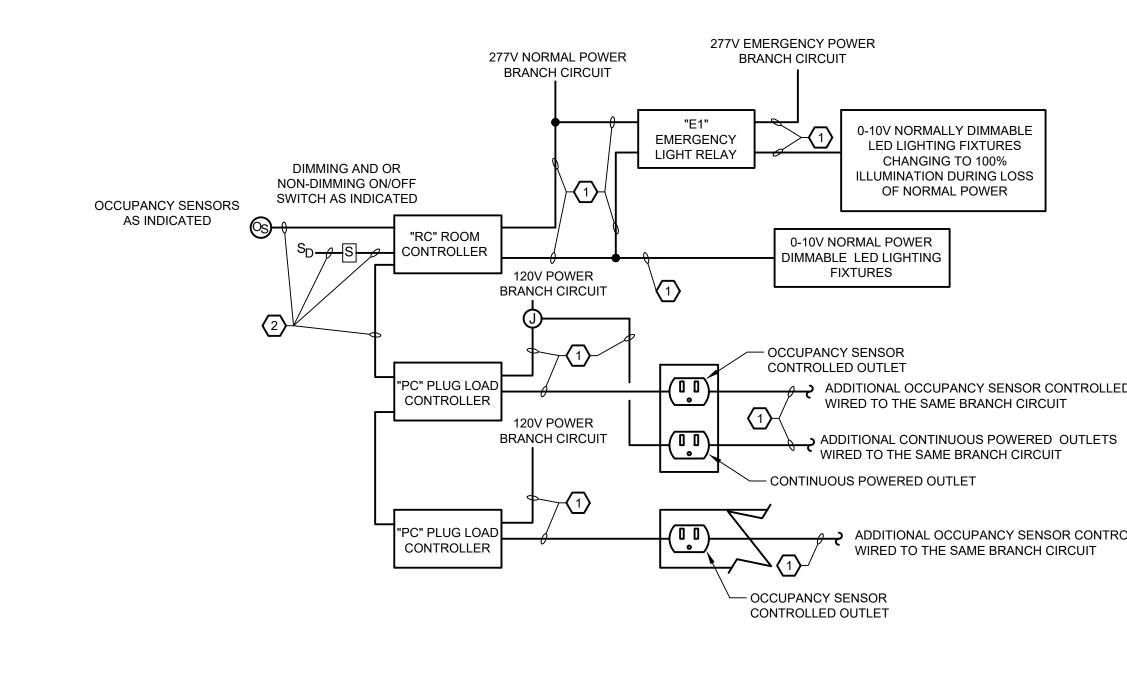












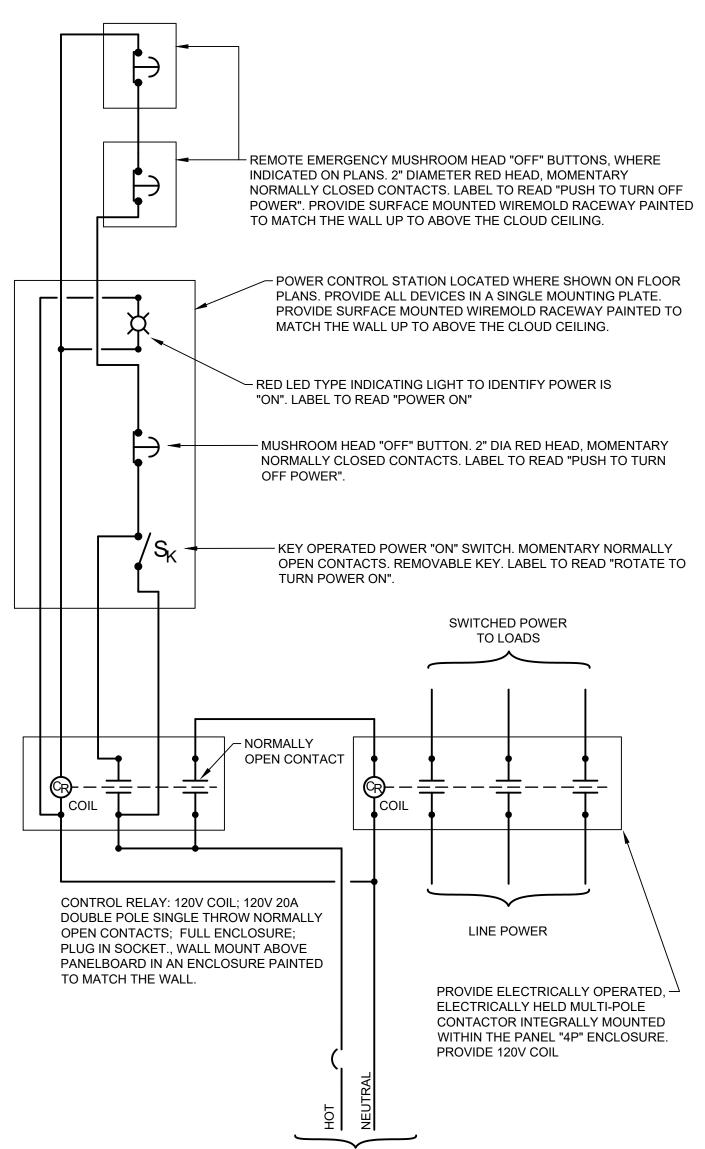
SEE SPECIFICATION 260923 FOR CONTROL EQUIPMENT REQUIREMENTS

# ¹ "RC" ROOM CONTROLLER AND EMERGENCY LIGHTING RELAY "PC" RECEPTACLE CONTROL DEVICE NO SCALE

		SCHEDULE FOR EXISTING ELECTRICAL PANEL							<b>_P3</b>		VOLT:	480/27	PANE	PH 4\//					MOUNT: SURFACE
		12770	VLL						-1 0		BUS:	250A	rr <b>v</b> , or	т <b>т</b> , <b>тv</b>	MLO				
					IRE		BKR	CKT	P	HASE LO		CKT	BKR				W	RF	
	LOAD SERVED	COND	GRD	SIZE		KVA	SIZE	No.		B		No.	SIZE	KVA	COND	GRD	SIZE	NO.	LOAD SERVED
	LIGHTS STORAGE			SIZE	NO.			INO.	A 0.0	В	C	-					SIZE	NO.	LIGHTS ROOM 310
							20		0.0			2	20						
	LIGHTS HALL						20	3		0.0		4	20						LIGHTS ROOM 310
r	LIGHTS ROOM 308						20	5			0.0	6	20						
L	LIGHTS ROOM 309, BOYS, GIRLS						20	7	0.0			8	20						SPARE
	SPARE						20	9		0.0		10	20						SPARE
	SPARE						20	11			0.0	12	20						SPARE
	SPARE						20	13	0.0			14	20						SPARE
	SPARE						20	15		0.0		16	20						SPARE
	SPARE						20	17			0.0	18	20						SPARE
						6.9		19	7.3			20		0.4					
	RTU - 1	3/4"	#10	#8	3	6.9	40	21	1.0	7.3		22	15	0.4		#12	#12	3	RTU - 2
		5/4	#10	#0		6.9	40	23		1.5	7.3	24		0.4	5/4	#12	<i>π</i> 12	5	
	SPACE					0.9			0.0		1.3			0.4					SPACE
								25	0.0			26							
	SPACE							27		0.0		28							SPACE
	SPACE							29			0.0	30							SPACE
	SPACE							31	0.0			32							SPACE
	SPACE							33		0.0		34							SPACE
	SPACE							35			0.0	36							SPACE
								37	0.0			38				1		•••••••••••••••••••••••••••••••••••••••	
							20	39		0.0		40	20						
								41			0.0	42	1 - 1						
	ION: STORAGE ROOM 300	I	1	1		1	I		7.3	7.3	7.3		E KVA		ļ				1
									1.5	22.0	1.5	TOTAL		~					
ES PR	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD	KER O	FSPE	CIFIED	AMPA	ACITY													
ES PR	OVIDE NEW 3 POLE CIRCUIT BREA	KER O	FSPE	CIFIED	AMPA	ACITY													
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA			CIFIED	AMPA						GENE	RAL F	PANE	L DA1	ΓΑ				AIC: 22K
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA			CIFIED	AMPA			N	/S-1		GENE VOLT:		<b>PANE</b> 08V, 3P						AIC: 22K MOUNT: SURFACE
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA			CIFIED	AMPA			W	/S-1										
<u>ES</u> PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD	AL PAI	NEL		IRE		BKR			HASE LC	VOLT: BUS:	120/20		PH, 4W	MLO	CPD			MOUNT: SURFACE
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA		NEL		IRE	KVA	BKR SIZE			HASE LC	VOLT: BUS:	120/20 250A	08V, 3P		MLO	GRD	WI SIZE	RE	
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD	AL PAI	NEL		IRE			CKT	P		VOLT: BUS: AD	120/20 250A CKT	08V, 3P	PH, 4W	MLO	GRD		RE	MOUNT: SURFACE
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD	AL PAI	NEL		IRE			CKT	A		VOLT: BUS: AD	120/20 250A CKT No.	08V, 3P	PH, 4W	MLO	GRD		RE	MOUNT: SURFACE
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC LOAD SERVED	AL PAI	NEL		IRE		SIZE	CKT No.	A	B	VOLT: BUS: AD	120/20 250A CKT No. 2	BKR SIZE	PH, 4W	MLO	GRD		RE	MOUNT: SURFACE
ES PR EXI	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC LOAD SERVED	AL PAI	VEL GRD	W	RE NO.	- KVA	SIZE 50	CKT No. 1 3	P A 0.0	B	VOLT: BUS: DAD C	120/20 250A CKT No. 2 4 6	BKR SIZE 50	PH, 4W	MLO COND		SIZE	RE NO.	MOUNT: SURFACE
	OVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT	AL PAI	VEL GRD #12	W SIZE #12	IRE NO.	- KVA	50 20	CKT No. 1 3 5 7	A	B 0.0	VOLT: BUS: DAD C	120/20 250A CKT No. 2 4 6 8	BKR SIZE 50	РН, 4W КVA 1.0	MLO COND 3/4"	#12	SIZE #12	RE NO. 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE
	COVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT	AL PAI COND 3/4" 3/4"	VEL GRD #12 #12	W SIZE #12 #12	RE NO.	- KVA 1.0 1.0	SIZE 50 20 20	CKT No. 1 3 5 7 9	P A 0.0	B	VOLT: BUS: DAD C 0.0	120/20 250A CKT No. 2 4 6 8 8 10	08V, 3P BKR SIZE 50 20 20	РН, 4W КVA 1.0 1.0	MLO COND 3/4" 3/4"	#12 #12	SIZE #12 #12	RE NO. 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD
	COVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC, LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY	AL PAI COND 3/4" 3/4"	VEL GRD #12 #12 #12	W SIZE #12 #12 #12	RE NO. 2 2 2	- KVA 1.0 1.0 1.0	SIZE 50 20 20 20	CKT No. 1 3 5 7 9 11	P A 0.0 2.0	B 0.0	VOLT: BUS: DAD C	120/20 250A CKT No. 2 4 6 8 10 12	BKR SIZE 50 20 20 20	PH, 4W KVA 1.0 1.0	MLO COND 3/4" 3/4"	#12 #12 #12	SIZE #12 #12 #12	RE NO. 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD
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	COVIDE NEW 3 POLE CIRCUIT BREA ISTING LOAD CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION	AL PAI COND 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2	KVA 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20	CKT No. 1 3 5 7 9 11 13 15	P A 0.0 2.0	B 0.0	VOLT: BUS: AD C 0.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 14 16	BKR SIZE 50 20 20 20 20 20 20	PH, 4W KVA 1.0 1.0 1.0 1.0 1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A RECEPT
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	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305A GFI RECEPT ROOM 305A RECEPT SAFETY GLASSES CABINET	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT No. 1 3 5 7 9 11 13 15 17 19 21 23 25 27	P A 0.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0	VOLT: BUS: DAD C 0.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT
	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305A GFI RECEPT ROOM 305A GFI RECEPT ROOM 305A RECEPT SAFETY GLASSES CABINET ROOM 305A RECEPTS	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT           No.           1           3           5           7           9           11           13           15           17           19           21           23           25           27           29           31	P A 0.0 2.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0	VOLT: BUS: DAD C 0.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	H, 4W KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT
	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305 A FI RECEPT ROOM 305A GFI RECEPT ROOM 305A RECEPT SAFETY GLASSES CABINET ROOM 305A RECEPTS STORAGE CLOSET 305B RECEPT	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT No. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	P A 0.0 2.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0 2.0 2.0	VOLT: BUS: AD 0.0 2.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	H, 4W           KVA           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A PLUGSTRIP ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT STORAGE CLOSET 305B RECEP
	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305 A FI RECEPT ROOM 305A RECEPT SAFETY GLASSES CABINET ROOM 305A RECEPT STORAGE CLOSET 305B RECEPT ROOM 305 RECEPT	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT           No.           1           3           5           7           9           11           13           15           17           19           21           23           25           27           29           31           33           35	P A 0.0 2.0 2.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0 2.0 2.0	VOLT: BUS: DAD C 0.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	H, 4W KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT STORAGE CLOSET 305B RECEP RM 305A GFI RECEPT UNDER SIN ROOM 305 PLUGMOLD
	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305A GFI RECEPT ROOM 305A GFI RECEPT SAFETY GLASSES CABINET ROOM 305A RECEPT STORAGE CLOSET 305B RECEPT ROOM 305 PLUGMOLD ROOM 305 PLUGMOLD ROOM 305 PLUGMOLD	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT           No.           1           3           5           7           9           11           13           15           17           19           21           23           25           27           29           31           33           35           37	P A 0.0 2.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0 2.0 2.0 2.0	VOLT: BUS: AD 0.0 2.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	PH, 4W           KVA           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0           1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT STORAGE CLOSET 305B RECEP RM 305A GFI RECEPT UNDER SIN ROOM 305 PLUGMOLD ROOM 305A PLUGMOLD
	CHEDULE FOR EXISTING ELECTRIC LOAD SERVED SPARE TEACHER DESK RECEPT ROOM 305 SMARTBOARD RECEPT PLUGMOLD / HALLWAY ROOM 305 PLUGMOLD M 305 LAPTOP CHARGING STATION EPO CONTROL ROOM 305 GFI RECEPT ROOM 305 GFI RECEPT ROOM 305 A FI RECEPT ROOM 305A RECEPT SAFETY GLASSES CABINET ROOM 305A RECEPT STORAGE CLOSET 305B RECEPT ROOM 305 RECEPT	AL PAI COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	VEL GRD #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	W SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	CKT           No.           1           3           5           7           9           11           13           15           17           19           21           23           25           27           29           31           33           35	P A 0.0 2.0 2.0 2.0 2.0 2.0	B 0.0 2.0 2.0 2.0 2.0 2.0	VOLT: BUS: AD 0.0 2.0 2.0 2.0 2.0	120/20 250A CKT No. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	BKR SIZE 50 20 20 20 20 20 20 20 20 20 20 20 20 20	H, 4W KVA 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	MLO COND 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	#12 #12 #12 #12 #12 #12 #12 #12 #12 #12	SIZE #12 #12 #12 #12 #12 #12 #12 #12 #12 #12	RE NO. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MOUNT: SURFACE LOAD SERVED SPARE ROOM 305A SMARTBOARD RECE ROOM 305A SMARTBOARD RECE ROOM 305A PLUGMOLD ROOM 305A PLUGMOLD ROOM 305A PLUGSTRIP ROOM 305A DESK RECEPT ROOM 305A DESK RECEPT STORAGE CLOSET 305B RECEP RM 305A GFI RECEPT UNDER SIN ROOM 305 PLUGMOLD

ADDITIONAL OCCUPANCY SENSOR CONTROLLED OUTLETS

ADDITIONAL OCCUPANCY SENSOR CONTROLLED PLUGMOLD WIRED TO THE SAME BRANCH CIRCUIT



120V POWER FROM PANEL "WS-1" CIRCUIT #17

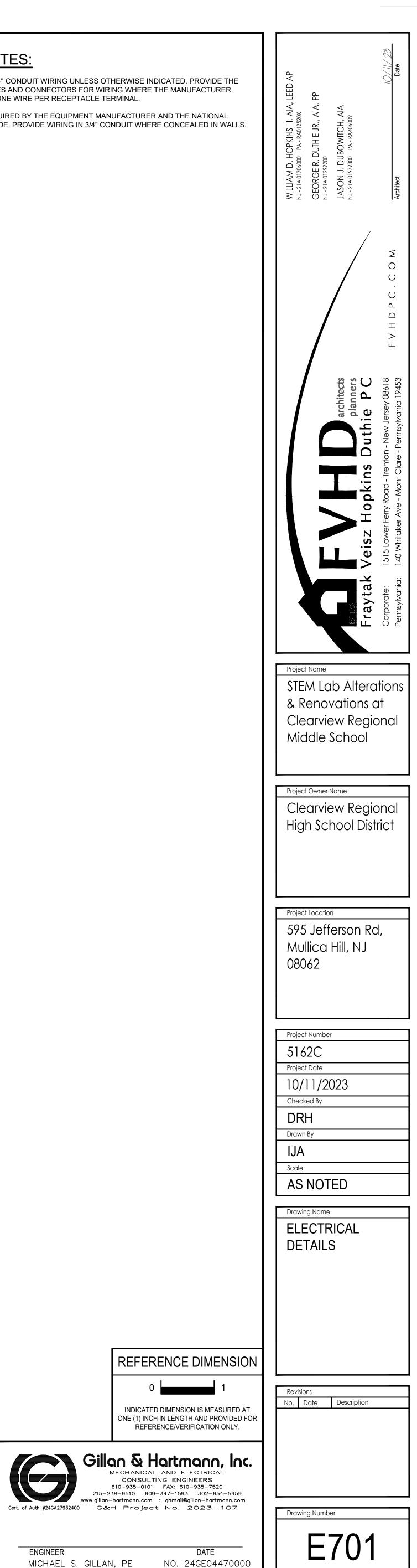
STEM LAB ² ROOM POWER CONTROL DIAGRAM E701 SCALE: NO SCALE

											GENE	RAL F	PANE	L DAT	A				AIC:	22K		
S	SCHEDULE FOR EXISTING ELECTE	RICAL PAI	VEL					W	<b>S-2</b>		VOLT:	120/20	08V, 3P	PH, 4W	D				MOUNT:	SURFA	CE	N
NOTES											BUS:	250A			MLO							NOTES
ž	LOAD SERVED		GRD		RE	KVA	BKR	CKT	PH	HASE LO	AD	CKT	BKR	KVA	COND	GRD		IRE			SERVED	ĬŽ
				SIZE	NO.		SIZE	No.	Α	В	C	No.	SIZE	NVA	COLLE	OND	SIZE	NO.				
1	RM 305 LIGHTS	3/4"	#12	#12	2	1.0	20	1	1.0			2	20								PARE	
1	RM 305 LIGHTS	3/4"	#12	#12	2	1.0	20	3		1.0		4	20								PARE	
1	RM 305 LIGHTS	3/4"	#12	#12	2	1.0	20	<mark>5</mark>			1.0	6	20								PARE	
1	RM 305A LIGHTS	3/4"	#12	#12	2	1.0	20	7	1.0			8	20								PARE	
1	RM 305A LIGHTS	3/4"	#12	#12	2	1.0	20	9		1.0		10	20								PARE	
1	RM 305A LIGHTS	3/4"	#12	#12	2	1.0	20	11			1.0	12	20								PARE	
3	LIGHTS						20	13	1.0			14	20	1.0	3/4"	#12	#12	2			1 RECEPT	2
3	LIGHTS						20	15		1.0		16	20	1.0	3/4"	#12	#12	2		RTU -	2 RECEPT	2
3	<b>OFFICE LIGHTS &amp; RECEPT</b>						20	17			1.0	18	20	1.0	3/4"	#12	#12	2			FROLLER RM 305	2
	SPARE						20	19	1.0			20	20	1.0	3/4"	#12	#12	2	ROO		ROLLER RM 305A	2
	SPARE						20	21		0.0		22								S	PACE	
	SPARE						20	23			0.0	24								S	PACE	
	SPARE						20	25	0.0			26								S	PACE	
	SPARE						20	27		0.0		28								S	PACE	
	SPARE						20	29			0.0	30								S	PACE	
	SPARE						20	31	0.0			32								S	PACE	
	SPACE							33		0.0		34								S	PACE	
	SPACE							35			0.0	36								S	PACE	
	SPACE							37	0.0			38								S	PACE	
	SPACE							39		0.0		40								S	PACE	
	SPACE							<mark>41</mark>			0.0	42								S	PACE	
LOC	ATION:								4.0	3.0	3.0	PHAS	E KVA									
NO	ES									10.0		TOTAL	L KVA									
1.	REPLACE EXISTING CIRCUIT BREAK	KER WITH	NEW	BREAK	KER O	SPE	CIFIED	AMPAC	CITY			-		•								
2.	PROVIDE NEW SINGLE POLE BREA	AKER OF	SPECI	FIED A	MPAC	TΥ																
3.	EXISTING LOAD																					

											GENE	RAL F	PANE	L DA T	ΓΑ				AIC: 22K		
S	SCHEDULE FOR EXISTING ELECTRIC	AL PAI	VEL					E	PP		VOLT:	208/12	20V, 3F	PH, 4W					MOUNT: SURFACE	É	
NOTES											BUS:	125A			MCB:	100					
ž	LOAD SERVED	COND	GRD	W SIZE	IRE NO.	KVA	BKR SIZE	CKT No.	PH A	IASE LO B	AD C	CKT No.	BKR SIZE	KVA	COND	GRD	WI SIZE		LOAD S	SERVED	
	SPARE						20	1	0.0			2	20						FIRE ALA	RM - MAIN	
2	SUMP PUMP				~		20	3		0.0		4	20						FIRE ALARM	- BOOSTER #2	
	SPARE						20	5			0.0	6	20						BOIL	.ER #1	i.
2	GAS MONITOR (REFRIG)				~~~		20	7	0.0			8	20						ATC PANEL @	MECH ROOM	
2	RECEPTACLE MDF-C						20	9		0.0		10	20						ATC PANEL @	MECH ROOM	
2	GENERATOR BATTERY CHARGER						20	11			0.0	12	20						RECEPTACLE	@ PA SYSTEM	
2	GENERATOR HEATER						20	13	0.0			14	20						HEAT TRACE @	COOL TOWER	
2	GENERATOR RECEPTACLE						20	15		0.0		16	20						EXHAUS	ST PANEL	
2	BOIL RM RECEPT						20	17			0.0	18	20						BOILER PUMP	9 START CONT	
2	SOLAR MONITORING						20	19	0.0			20									
							20	21		0.0		22	50						KITCHEN - C	OOLER PANEL	
2	WALK IN FREEZER						30	23			0.0	24	<b>"</b>								
								25	1.0			26	20	1.0	3/4"	#12	#12	2	STEM LAB EME	RGENCY LIGHTS	
2	LIBRARY IT RACK OUTLET						30	27		0.0		28							SP	ACE	
								29			0.0	30							SP	ACE	
	SPACE			•••••••				31	0.0			32	~						SP	ACE	
	SPACE							33		0.0		34							SP	ACE	
	SPACE							35			0.0	36							SP	ACE	
	SPACE							37	0.0			38							SP	ACE	
	SPACE							39		0.0		40							SP	ACE	
	SPACE							41			0.0	42							SP	ACE	
	CATION: BOILER ROOM B192								1.0	0.0	0.0	PHAS	E KVA		•				·		
NOT	TES									1.0		TOTA	L KVA	1							
1.	PROVIDE NEW SINGLE POLE BREAK	ER OF	SPECI	FIED A	MPAC	ITY		•						•							
2.	EXISTING LOAD																				
3.																					
4																					

### SHEET NOTES:

- 2 #12, 1 #12G, 3/4" CONDUIT WIRING UNLESS OTHERWISE INDICATED. PROVIDE THE REQUIRED BOXES AND CONNECTORS FOR WIRING WHERE THE MANUFACTURER RECOMMENDS ONE WIRE PER RECEPTACLE TERMINAL.
- WIRING AS REQUIRED BY THE EQUIPMENT MANUFACTURER AND THE NATIONAL ELECTRICAL CODE. PROVIDE WIRING IN 3/4" CONDUIT WHERE CONCEALED IN WALLS.



# PLUMBING

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EXISTING
GAS
STORM DRAIN
SOIL OR WASTE PIPING
ACID WASTE ACID VENT
DOMESTIC COLD WATER
SOFT COLD WATER
CHILLED DRINKING WATER SUPPLY
CHILLED DRINKING WATER RETURN
DOMESTIC HOT WATER
DOMESTIC HOT WATER RETURN
DISTILLED WATER
DOMESTIC HOT WATER (140°) DOMESTIC HOT WATER RETURN (140°)
DOMESTIC HOT WATER (180°)
DOMESTIC HOT WATER RETURN (180°)
FIRST AID PIPING
PRE ACTION SPRINKLER PIPING
DRY SPRINKLER PIPING
FORCED SANITARY / STORM MAIN
AUTOMATIC FIRE SPRINKLER SYSTEM DRAIN
FUEL OIL RETURN
FUEL OIL VENT
REGULAR UNLEADED GASOLINE
PREMIUM GASOLINE
DIESEL FUEL
GASOLINE VENT
LUBRICATING OIL
WASTE OIL
WASTE OIL VENT
COMPRESSED AIR
MEDICAL COMPRESSED AIR
LABORATORY COMPRESSED AIR
VACUUM LABORATORY WASTE
MEDICAL VACUUM
LABORATORY VACUUM
VACUUM CLEANING
OXYGEN
LIQUID OXYGEN
HIGH PRESSURE STEAM (100-70 PSI)
HIGH PRESSURE STEAM (100-70 PSI) HIGH PRESSURE CONDENSATE NITROUS OXIDE
HIGH PRESSURE CONDENSATE
HIGH PRESSURE CONDENSATE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE CHECK VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE BALANCING VALVE BALANCING VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE BALANCING VALVE BALANCING VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE BALANCING VALVE BALANCING VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE BALANCING VALVE BALANCING VALVE ANGLE GATE VALVE
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HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE GLOBE VALVE BALANCING VALVE BALL VALVE BUTTERFLY VALVE
HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GADE VALVE GLOBE VALVE BALANCING VALVE BALANCING VALVE ANGLE GATE VALVE VALVE ON RISE GAS PRESSURE REGULATOR
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HIGH PRESSURE CONDENSATE NITROUS OXIDE NITROGEN TEMPERED WATER INDIRECT WASTE PIPING LAWN SPRINKLER SUPPLY PIPE SLOPE - IN DIRECTION OF ARROW FLOW - IN DIRECTION OF ARROW GATE VALVE GLOBE VALVE GLOBE VALVE BALANCING VALVE BALL VALVE BALL VALVE BUTTERFLY VALVE ANGLE GATE VALVE CALVE ON RISE GAS PRESSURE REGULATOR GAS COCK, GAS STOP SOLENOID VALVE TWO-WAY CONTROL VALVE PRESSURE REDUCING VALVE RELIEF OR SAFETY VALVE
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HIGH PRESSURE CONDENSATENITROUS OXIDENITROGENTEMPERED WATERINDIRECT WASTE PIPINGLAWN SPRINKLER SUPPLYPIPE SLOPE - IN DIRECTION OF ARROWGATE VALVEGLOBE VALVEGLOBE VALVEBALANCING VALVEBALL VALVEBALL VALVEBALL VALVEGOTE FLY VALVEGATE VALVEBALL VALVEBALL VALVEBALL VALVEBALL VALVEBALL VALVECORE GATE VALVEGAS PRESSURE REGULATORGAS COCK, GAS STOPSOLENOID VALVETHREE-WAY CONTROL VALVEPRESSURE REDUCING VALVEPRESSURE REDUCING VALVEILIEF OR SAFETY VALVEUNIONSTRAINER
HIGH PRESSURE CONDENSATENITROUS OXIDENITROGENTEMPERED WATERINDIRECT WASTE PIPINGLAWN SPRINKLER SUPPLYPIPE SLOPE - IN DIRECTION OF ARROWGATE VALVEGLOBE VALVEBALANCING VALVEBALL VALVEBALL VALVEGATE FLY VALVEGAS COCK, GAS STOPSOLENOID VALVETHREE-WAY CONTROL VALVEPRESSURE REDUCING VALVEINDONSTRAINERSTRAINERSTRAINERSTRAINERSTRAINER
HIGH PRESSURE CONDENSATENITROUS OXIDENITROGENTEMPERED WATERINDIRECT WASTE PIPINGLAWN SPRINKLER SUPPLYPIPE SLOPE - IN DIRECTION OF ARROWGATE VALVEGLOBE VALVEGLOBE VALVEBALANCING VALVEBALL VALVEBALL VALVEGATE FLY VALVEGAS COCK, GAS STOPSOLENOID VALVETHREE-WAY CONTROL VALVEPRESSURE REGULATORPRESSURE REDUCING VALVEINDONSTRAINERSTRAINERFLOW SENSOR
HIGH PRESSURE CONDENSATENITROUS OXIDENITROGENTEMPERED WATERINDIRECT WASTE PIPINGLAWN SPRINKLER SUPPLYPIPE SLOPE - IN DIRECTION OF ARROWGATE VALVEGLOBE VALVEGLOBE VALVEBALANCING VALVEBALL VALVEBALL VALVEGATE VALVEGATE VALVEBALL VALVEBUTTERFLY VALVEGAS PRESSURE REGULATORGAS COCK, GAS STOPSOLENOID VALVETHREE-WAY CONTROL VALVEPRESSURE REDUCING VALVERELIEF OR SAFETY VALVESTRAINERSTRAINER W/ BLOW-DOWN VALVEFLOW SENSORSIGHT GLASS

<u>ا</u> جــــــــــــــــــــــــــــــــــــ	THERMOMETER
<u>ب</u>	PRESSURE GAUGE W/
<del>ب 4 ر</del>	AIR VENT W/ COCK
	AUTOMATIC AIR VENT
، ــــــــــــــــــــــــــــــــــــ	AQUASTAT
،	SHOCK ABSORBER
Fs Fs Fs	FLOW SWITCH
، بر الم	PRESSURE SWITCH
	HOSE BIB
	UPRIGHT SPRINKLER H PENDANT SPRINKLER EXISTING SPRINKLER SIDE WALL WET SPRIN SIDE WALL DRY SPRIN DIAPHRAGM METER
	ROOF DRAIN
$\overline{\bigcirc}$	PLAIN COMBO FLOOR I
$\odot$	PLAIN ROUND FLOOR E
	PLAIN SQUARE FLOOR
	BACK FLOW PREVENT
<b>マ</b> 公	SHOWER HEAD SIAMESE CONNECTIO
c∋	PIPE TURNING DOWN
0	PIPE TURNING UP
,o,	TEE UP
<b>;</b> ;	TEE DOWN
;	DROP AND RUN
۲ ج	DROP AND TURN
کــــــلَ	TEE OFF TOP

### PLUMBING ABBREVIATIONS

AD AREA DRAIN

	PLUME
DMETER	
JRE GAUGE W/ COCK	
IT W/ COCK	
ATIC AIR VENT	
ΓΑΤ	
ABSORBER	
WITCH	
JRE SWITCH	
IB	
T SPRINKLER HEADS	
NT SPRINKLER HEADS	
G SPRINKLER HEADS	
ALL WET SPRINKLER HEADS ALL DRY SPRINKLER HEADS	
AGM	

### OMBO FLOOR DRAIN

UND FLOOR DRAIN

### QUARE FLOOR DRAIN

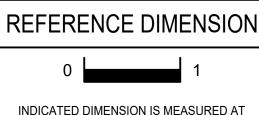
OW PREVENTER

CONNECTION RNING DOWN

A.P.	ACCESS PANEL
BT	BATH TUB
В	BIDET
BS	BAR SINK
BFP	BACKFLOW PREVENTER
CS	
CP	
CO C.I.	
CB CSK	
DW	CUP SINK DISHWASHER
DN	DRY STANDPIPE
DD	DECK DRAIN
	DUPLEX ALARM PANEL
	DUPLEX ZONE VALVE BOX
D.I.P.	DUCTILE IRON PIPE
ES	EMERGENCY SHOWER
EWC	ELECTRIC WATER COOLER
(E)	EXISTING
EW	EYE WASH
F.S.E.C.	FOOD SERVICE EQUIPMENT CONTRACTOR
FH	FIRE HYDRANT
FS	FLOW SWITCH
FE	FIRE EXTINGUISHER
F.D.V.	FIRE DEPARTMENT VALVE
F.D.C.	FIRE DEPARTMENT CONNECTION
F.A.I.	FRESH AIR INLET
F.C.V.	FLOW CONTROL VALVE
	FLOOR DRAIN
	FIRE HOSE CONNECTION
-	GAS OUTLET
	HOSE BIBB INVERT ELEVATION
	INDIRECT WASTE
	LAVATORY
	LAUNDRY TUB
	KITCHEN SINK
	MOP RECEPTOR
	NITROUS OXIDE OUTLET
—	OXYGEN OUTLET
	PLANTER DRAIN
PVC	POLY VINYL CHLORIDE
P.I.V.	POST INDICATOR VALVE
PRV	PRESSURE REGULATING VALVE
Q.Z.V.	QUADRUPLE ZONE VALVE BOX
Q.A.P.	QUADRUPLE ALARM PANEL
RD	ROOF DRAIN
RWC	RAIN WATER CONDUCTOR
	REINFORCED CONCRETE PIPE
	SHOCK ABSORBER
	SHOWER
S	
SW	
	SANITARY MANHOLE STORM MANHOLE
	SERVICE SINK
SK	SINK
	SURGEONS LAVATORY
	TERRA COTTA
T.A.P.	TRIPLE ALARM PANEL
T.Z.V.	TRIPLE ZONE VALVE BOX
T.E.	TOP ELEVATION
ТВ	THRUST BLOCK
TS	TAMPER SWITCH
UR	URINAL
V	VACUUM
V	VENT
VTR	VENT THRU ROOF
VB	VACUUM BREAKER
YH	YARD HYDRANT
WC	
WH	
WB W	WASHER BOX WASTE
vv	

### PLUMBING GENERAL NOTES:

- 1. GENERAL NOTES APPLY TO ALL PLUMBING DRAWINGS.
- 2. COORDINATE AND FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES, AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICT ARISES, MAKE ANY NECESSARY CHANGES TO ROUTING OF PIPING WITHOUT COMPROMISING THE INTEGRITY AND PERFORMANCE OF THE SYSTEM, AND AT NO ADDITIONAL COST TO THE OWNER.
- 3. PROVIDE ALL ASSOCIATED LIFE SAFETY DEVICES FOR ALL PIPING PENETRATIONS.
- 4. PLUMBING PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS.
- 5. COORDINATE CONSTRUCTION OF ALL PLUMBING WORK WITH ARCHITECTURAL, ELECTRICAL, HVAC, ETC. SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- 6. EQUIPMENT INSULATION SHALL BE INSTALLED AS NOT TO CONCEAL THE EQUIPMENT NAME PLATE.
- 7. PLUMBING REMOVAL WORK IN THE BUILDING SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR INCLUDING PLUMBING EQUIPMENT, SYSTEMS, APPARATUS, AND ACCESSORIES.
- 8. THE DRAWINGS SHOW A GENERAL REPRESENTATION OF QUANTITIES AND LOCATIONS OF EXISTING PLUMBING COMPONENTS AND SYSTEMS, AND ARE NOT ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE REMOVAL OF THE PLUMBING BUILDING SYSTEMS TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED. REMOVAL WORK IS TO INCLUDE, BUT NOT LIMITED TO REMOVAL OF EQUIPMENT, APPARATUS, SYSTEM ACCESSORIES, PIPING, INSULATION, DOMESTIC WATER HEATERS, VALVES, DROPS, RISERS, AUXILIARY SYSTEMS/PIPING/CONTROLS, VALVES, PIPING ACCESSORIES, CONTROLS, CONTROL WIRING/TUBING, CONDUITS, BASES, SUPPORTS, HANGERS AND SYSTEM APPURTENANCES.
- 9. ENSURE ALL WORK IS IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE APPLICABLE CONSTRUCTION CODE, AND ALL OTHER FEDERAL, STATE, AND LOCAL AGENCY REGULATIONS HAVING JURISDICTION OVER THIS PROJECT. IN THE EVENT OF ANY DISCREPANCIES BETWEEN AGENCY REQUIREMENTS, OBSERVE THE MORE STRINGENT OF REQUIREMENTS.
- 10. ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS (NBFU), INDUSTRIAL RISK INSURANCE UNDERWRITERS (IRI), FACTORY MUTUAL (FW), OR THE APPLICABLE RATING BUREAU, THE NATIONAL ELECTRIC CODE (NEC), THE AMERICAN GAS ASSOCIATION (AGA), AND THE AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS (ASHRAE), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND THE REQUIREMENTS OF ALL PUBLIC UTILITY COMPANIES SERVING THE PROJECT SITE.
- 11. COORDINATE LOCATION OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT WITH THE RESPECTIVE TRADE CONTRACTORS.
- 12. ALL EQUIPMENT AND OR MATERIAL BEING REMOVED IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR AND WILL BE RETAINED, DISPOSED OF, AND REMOVED FROM THE SITE AT THE DIRECTION OF THE OWNER.
- 13. NOTE THAT THE IDENTIFICATION LABELS TO BE USED/MADE FOR ALL SYSTEMS MUST USE THE OWNER'S ROOM NUMBERS AND ROOM NAMES, NOT THE NUMBERS OR NAMES ON THE CONSTRUCTION DOCUMENTS. MEET WITH THE OWNER TO REVIEW AND CONFIRM ROOM NUMBERS AND NAMES PRIOR TO LABELING SYSTEMS.
- 14. PERFORM ALL CUTTING AND PATCHING NECESSARY TO PERFORM ABOVE SLAB WORK. MATCH EXISTING MATERIALS, FINISHES, FIRE RATINGS, PAINT COLORS, ETC. IN ALL AREAS OF PATCHING.
- 15. ALL PIPING TO BE CONCEALED UNLESS OTHERWISE INDICATED.
- 16. PROVIDE ALL NECESSARY HANGERS AND/OR SUPPORTS TO FACILITATE INSTALLATION OF ALL PIPING, EQUIPMENT, ETC
- 17. PLUMBING CONTRACTOR TO COORDINATE ALL PLUMBING VALVE ACCESS WITH G.C.
- 18. PLUMBING CONTRACTOR SHALL PERFORM SAW CUTTING, EXCAVATION, AND BACKFILL FOR ALL BELOW SLAB PIPING. FINAL FLOOR FINISH IS BY G.C. COORDINATE WORK WITH G.C.
- 19. ALL ROOF CURBS FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. FLASHING FOR ROOF CURBS FURNISHED BY GENERAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. COUNTER FLASHING FOR ROOF CURBS FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. OPENINGS IN ROOF FOR ROOF CURBS PROVIDED BY PLUMBING CONTRACTOR.

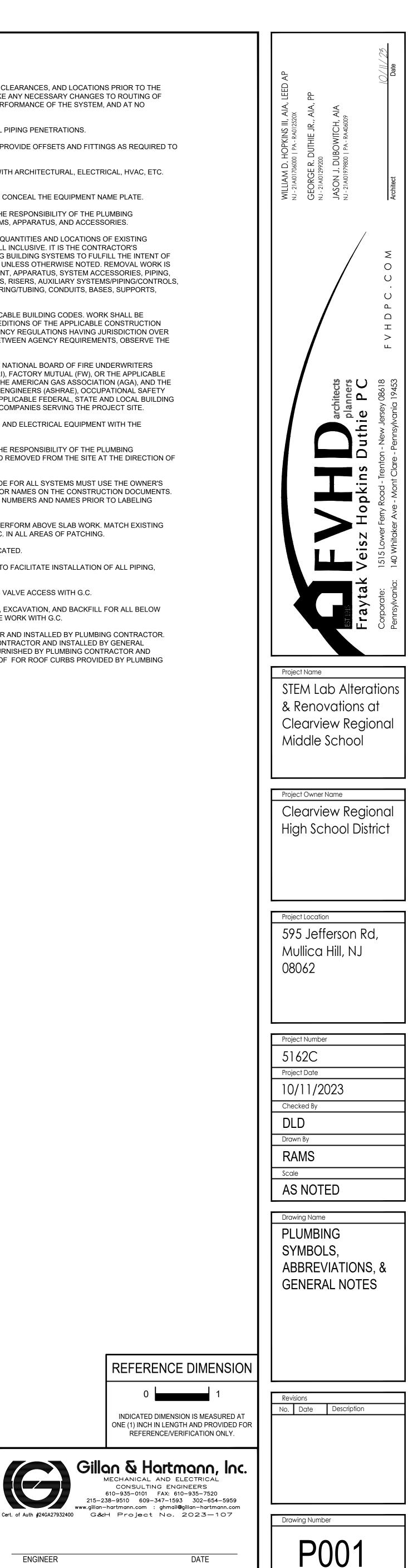


INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.

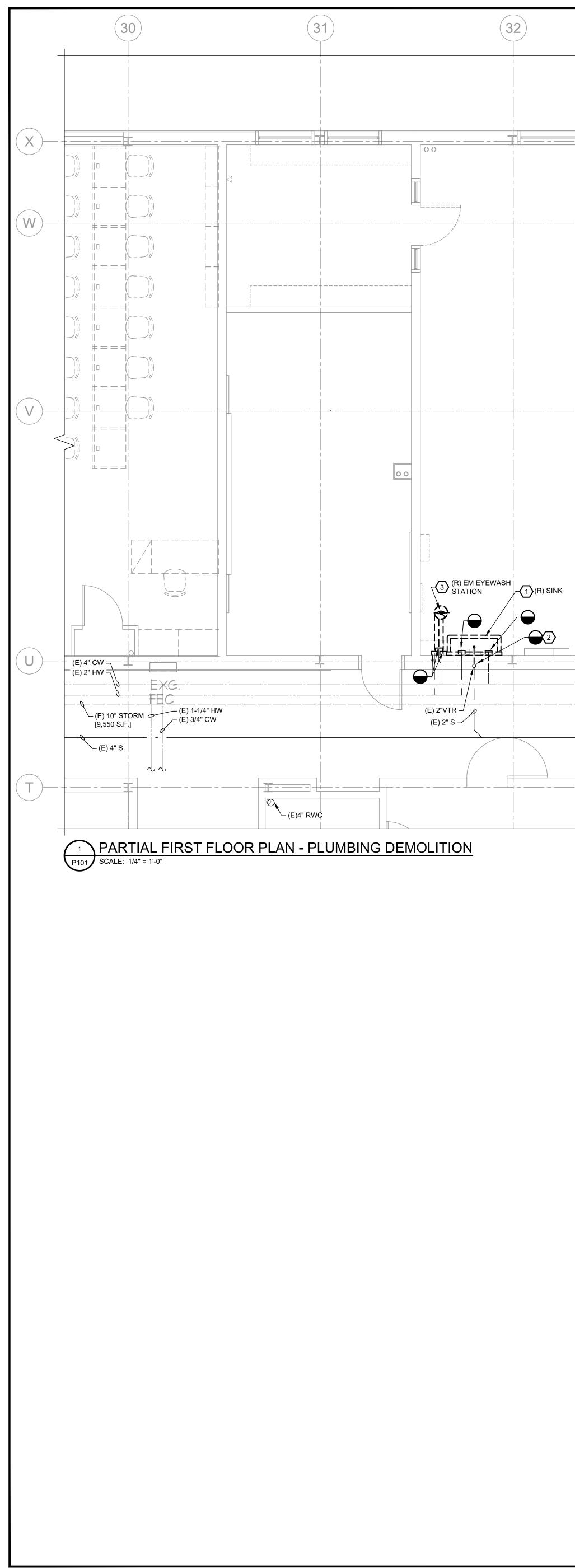
# 10/04/2023 HVAC COORDINATION SET NOT FOR CONSTRUCTION



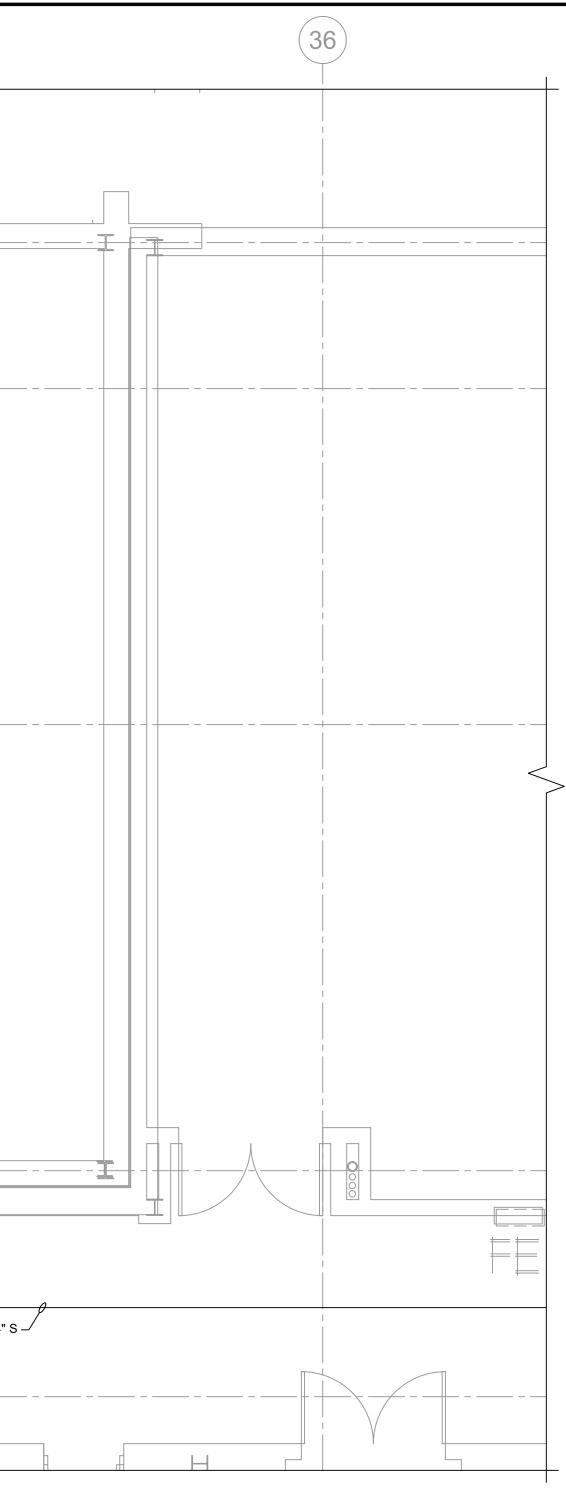
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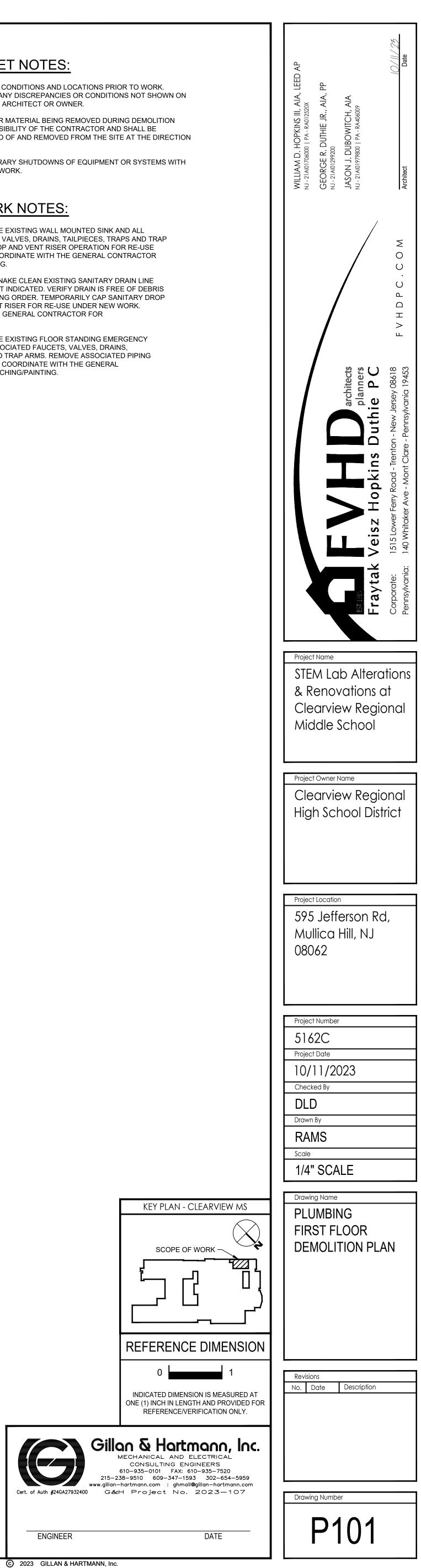


### **GENERAL SHEET NOTES:**

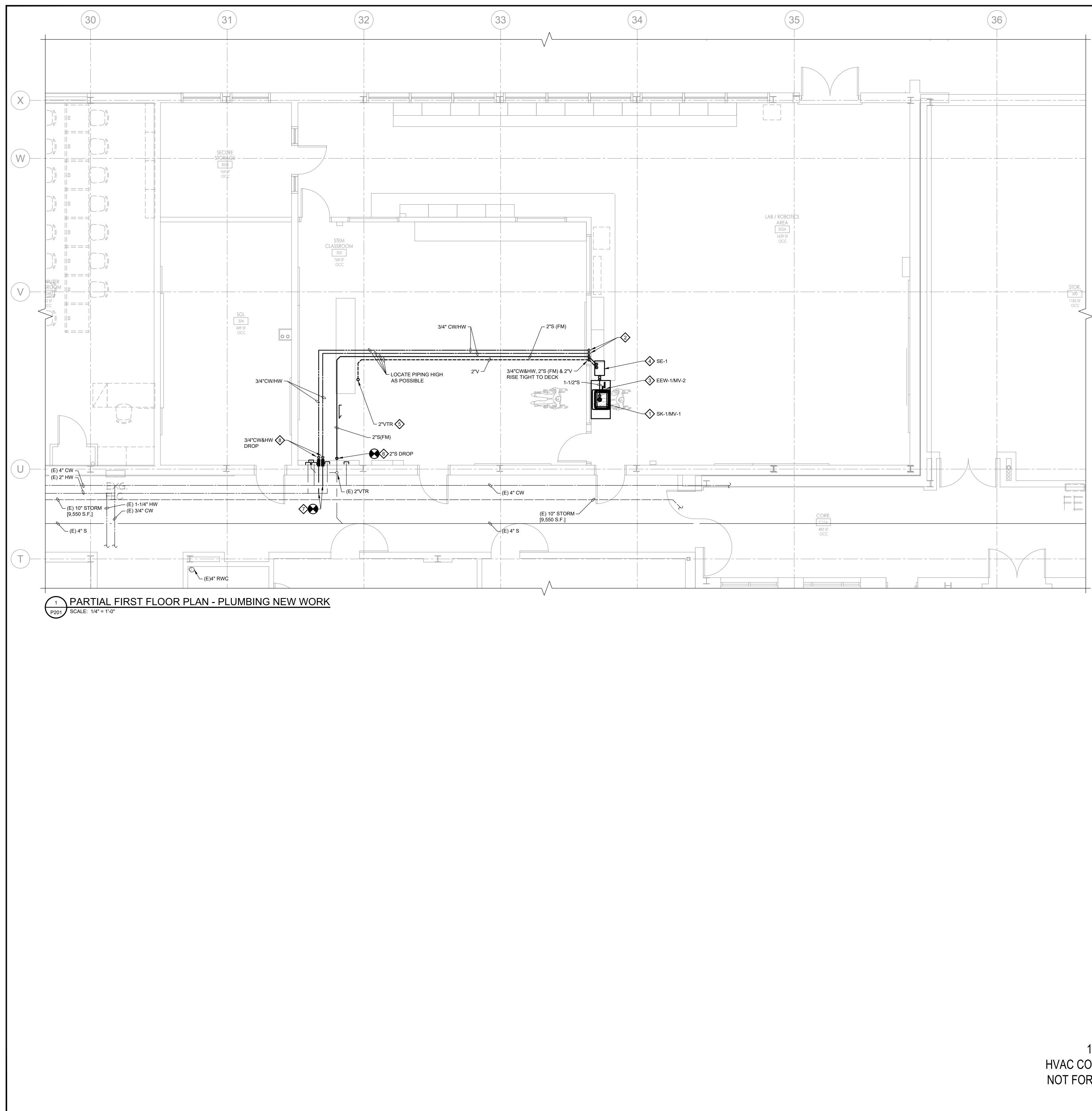
- 1. FIELD VERIFY EXISTING CONDITIONS AND LOCATIONS PRIOR TO WORK. IMMEDIATELY REPORT ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THE DRAWINGS TO THE ARCHITECT OR OWNER.
- 2. ALL EQUIPMENT AND OR MATERIAL BEING REMOVED DURING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RETAINED OR DISPOSED OF AND REMOVED FROM THE SITE AT THE DIRECTION OF THE OWNER.
- 3. SCHEDULE ALL TEMPORARY SHUTDOWNS OF EQUIPMENT OR SYSTEMS WITH THE OWNER PRIOR TO WORK.

### REMOVAL WORK NOTES:

- (1) DEMOLISH AND REMOVE EXISTING WALL MOUNTED SINK AND ALL ASSOCIATED FAUCETS, VALVES, DRAINS, TAILPIECES, TRAPS AND TRAP ARMS. RETAIN SAN DROP AND VENT RISER OPERATION FOR RE-USE UNDER NEW WORK. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING/PAINTING.
- $\langle 2 \rangle$  CONTRACTOR SHALL SNAKE CLEAN EXISTING SANITARY DRAIN LINE DOWNSTREAM OF POINT INDICATED. VERIFY DRAIN IS FREE OF DEBRIS AND IN PROPER WORKING ORDER. TEMPORARILY CAP SANITARY DROP AND ASSOCIATED VENT RISER FOR RE-USE UNDER NEW WORK. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING/PAINTING.
- 3 DEMOLISH AND REMOVE EXISTING FLOOR STANDING EMERGENCY EYEWASH AND ALL ASSOCIATED FAUCETS, VALVES, DRAINS, TAILPIECES, TRAPS AND TRAP ARMS. REMOVE ASSOCIATED PIPING BACK TO BEHIND WALL. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING/PAINTING.



# 10/04/2023 HVAC COORDINATION SET NOT FOR CONSTRUCTION

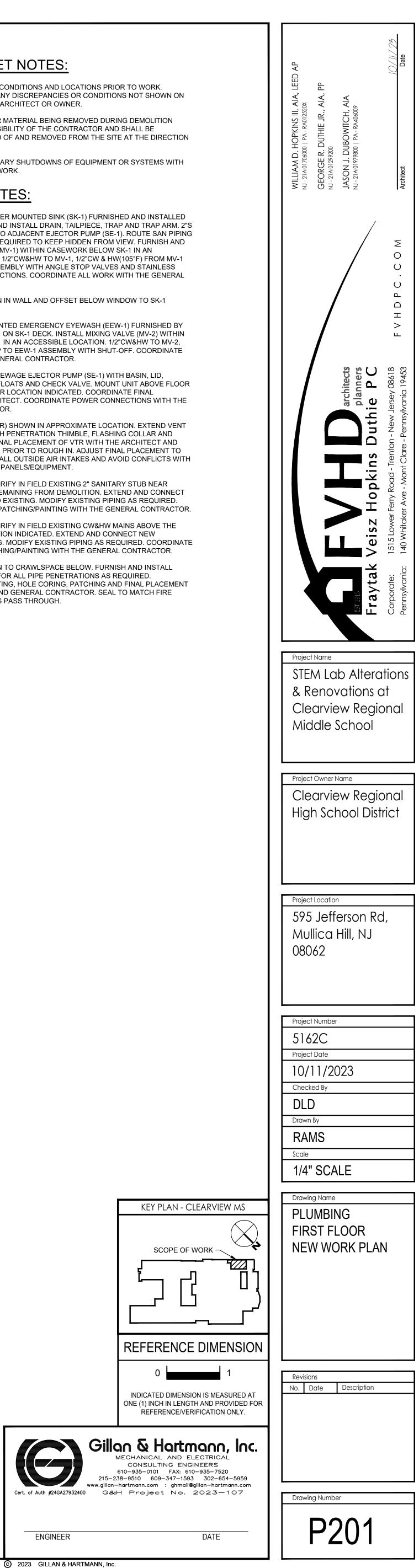


### **GENERAL SHEET NOTES:**

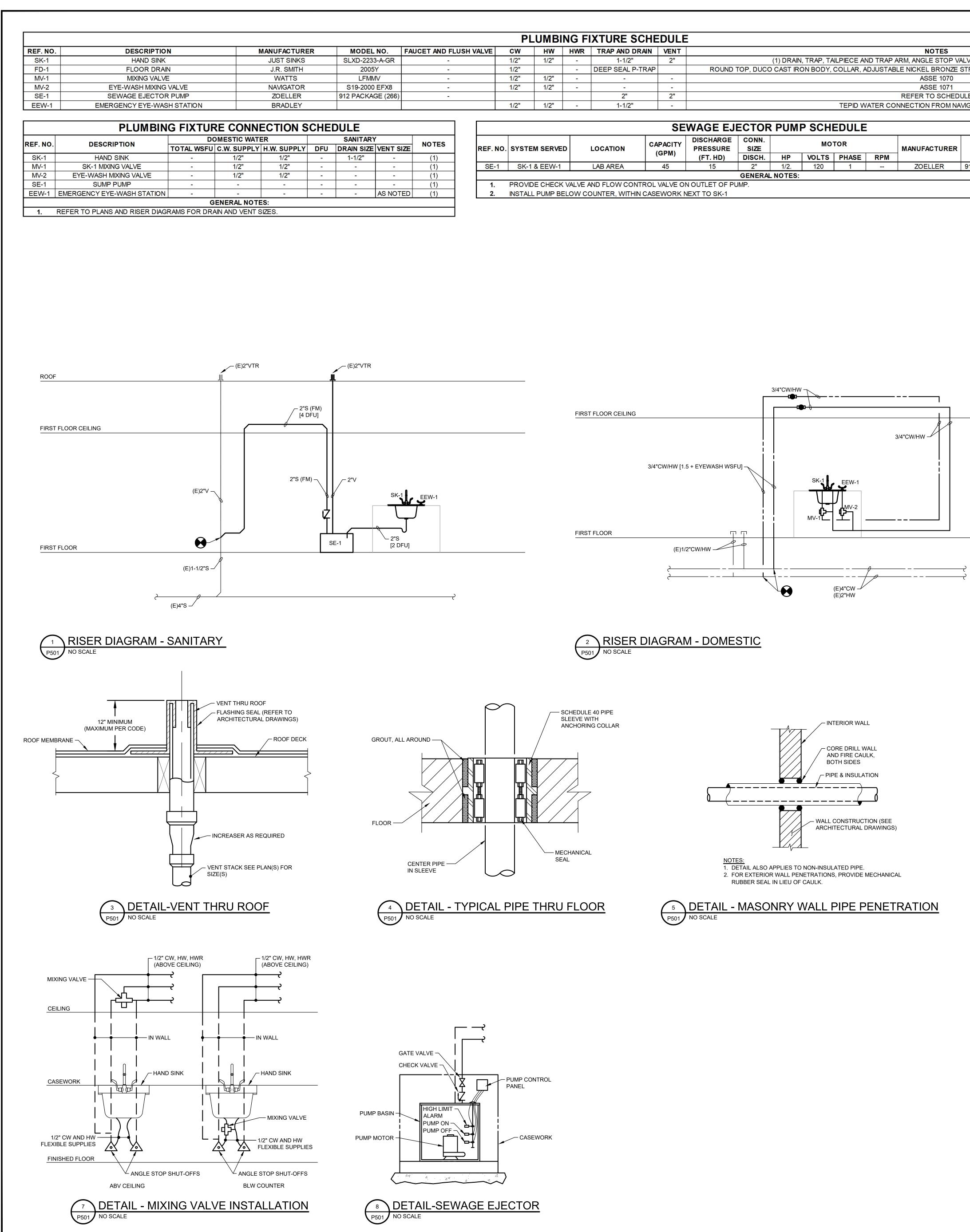
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- 2. ALL EQUIPMENT AND OR MATERIAL BEING REMOVED DURING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RETAINED OR DISPOSED OF AND REMOVED FROM THE SITE AT THE DIRECTION OF THE OWNER.
- 3. SCHEDULE ALL TEMPORARY SHUTDOWNS OF EQUIPMENT OR SYSTEMS WITH THE OWNER PRIOR TO WORK.

### NEW WORK NOTES:

- CASEWORK AND COUNTER MOUNTED SINK (SK-1) FURNISHED AND INSTALLED BY OTHERS. FURNISH AND INSTALL DRAIN, TAILPIECE, TRAP AND TRAP ARM. 2"S FROM SK-1 AND DRAIN TO ADJACENT EJECTOR PUMP (SE-1). ROUTE SAN PIPING THROUGH/IN WALL AS REQUIRED TO KEEP HIDDEN FROM VIEW. FURNISH AND INSTALL MIXING VALVE (MV-1) WITHIN CASEWORK BELOW SK-1 IN AN ACCESSIBLE LOCATION. 1/2"CW&HW TO MV-1, 1/2"CW & HW(105°F) FROM MV-1 UP TO SK-1 FAUCET ASSEMBLY WITH ANGLE STOP VALVES AND STAINLESS STEEL FLEXIBLE CONNECTIONS. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR.
- DROP 3/4"CW&HW DOWN IN WALL AND OFFSET BELOW WINDOW TO SK-1 CASEWORK.
- (3) INSTALL COUNTER MOUNTED EMERGENCY EYEWASH (EEW-1) FURNISHED BY OTHERS. LOCATE EEW-1 ON SK-1 DECK. INSTALL MIXING VALVE (MV-2) WITHIN CASEWORK BELOW SK-1 IN AN ACCESSIBLE LOCATION. 1/2"CW&HW TO MV-2, 1/2"TEPID FROM MV-2 UP TO EEW-1 ASSEMBLY WITH SHUT-OFF. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR.
- FURNISH AND INSTALL SEWAGE EJECTOR PUMP (SE-1) WITH BASIN, LID, CONTROL PANEL WITH FLOATS AND CHECK VALVE. MOUNT UNIT ABOVE FLOOR BELOW CASEWORK NEAR LOCATION INDICATED. COORDINATE FINAL PLACEMENT WITH ARCHITECT. COORDINATE POWER CONNECTIONS WITH THE ELECTRICAL CONTRACTOR.
- 2" VENT THRU ROOF (VTR) SHOWN IN APPROXIMATE LOCATION. EXTEND VENT UP THROUGH ROOF WITH PENETRATION THIMBLE, FLASHING COLLAR AND CLAMP. COORDINATE FINAL PLACEMENT OF VTR WITH THE ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH IN. ADJUST FINAL PLACEMENT TO MAINTAIN 10' MIN FROM ALL OUTSIDE AIR INTAKES AND AVOID CONFLICTS WITH ROOF MOUNTED SOLAR PANELS/EQUIPMENT.
- CONTRACTOR SHALL VERIFY IN FIELD EXISTING 2" SANITARY STUB NEAR LOCATION INDICATED REMAINING FROM DEMOLITION. EXTEND AND CONNECT NEW 2"S(FM) AND 2"V TO EXISTING. MODIFY EXISTING PIPING AS REQUIRED. COORDINATE CUTTING/PATCHING/PAINTING WITH THE GENERAL CONTRACTOR.
- CONTRACTOR SHALL VERIFY IN FIELD EXISTING CW&HW MAINS ABOVE THE CORRIDOR NEAR LOCATION INDICATED. EXTEND AND CONNECT NEW 3/4"CW&HW TO EXISTING. MODIFY EXISTING PIPING AS REQUIRED. COORDINATE CUTTING/CORING/PATCHING/PAINTING WITH THE GENERAL CONTRACTOR.
- 3/4"CW&HW DROP DOWN TO CRAWLSPACE BELOW. FURNISH AND INSTALL WALL/FLOOR SLEEVES FOR ALL PIPE PENETRATIONS AS REQUIRED. COORDINATE SAW-CUTTING, HOLE CORING, PATCHING AND FINAL PLACEMENT WITH THE ARCHITECT AND GENERAL CONTRACTOR. SEAL TO MATCH FIRE RATING OF WALLS PIPES PASS THROUGH.

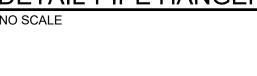


# 10/04/2023 HVAC COORDINATION SET NOT FOR CONSTRUCTION



		PI	LUMBI	NG F	IXTURE SCH	EDULE										
ID FLUSI	VALVE	CW	HW	HWR	TRAP AND DRAIN	VENT							NOTES			
-		1/2"	1/2"	-	1-1/2"	2"			(1) DRAIN	I, TRAP, TA	ILPIECE AN	D TRAP	ARM, ANGLE STOP V	ALVES AND FLEXIBLE	1/2"CW&HV	W SUPPLIES
-		1/2"		-	DEEP SEAL P-TRA	2	ROUND	TOP, DUCO	O CAST IR	ON BODY, (	COLLAR, A	DJUSTAE	BLE NICKEL BRONZE	STRAINER HEAD, TRA	P PRIMER	CONNECTION, DEEP SEAL
-		1/2"	1/2"	-	-	-							ASSE 1070			
-		1/2"	1/2"	-	-	-							ASSE 1071			
-					2"	2"							REFER TO SCHED	ULE		
		1/2"	1/2"	-	1-1/2"	-					TEPID W	ATER CC	NNECTION FROM NA	VIGATOR MIXING VAL	Æ	
						SE	WAGE EJI	ECTOF	R PUM	P SCHE	EDULE	61 91				]
s	REF. NO	. SYSTE	EM SERVE	D			DISCHARGE PRESSURE	CONN. SIZE		МОТ	FOR		MANUFACTURER	MODEL	NOTES	
						(GPM)	(FT. HD)	DISCH.	HP	VOLTS	PHASE	RPM				
	SE-1	SK-1	1 & EEW-1		LAB AREA	45	15	2"	1/2.	120	1		ZOELLER	912 PACKAGE (266)	(1)(2)	]
								GENERA	L NOTES:							]
	1.	PROVI	DE CHECK	VALVE A	AND FLOW CONTRO	L VALVE O	N OUTLET OF PU	JMP.								1
	2.	INSTAL	L PUMP BE	LOW CO	OUNTER, WITHIN CA	SEWORK	NEXT TO SK-1									

# 10/04/2023 HVAC COORDINATION SET NOT FOR CONSTRUCTION



PLUMBING PIPING HANGER SPACING SCHEDULE

(1) PIPE HANGER SPACING PER INTERNATIONAL PLUMBING CODE 2021 TABLE 308.5

(3) PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED COPPER PIPE.

MAXIMUM HORIZONTAL

SPACING (FEET)

5

10

6

(2) THE MAXIMUM HORIZONTAL SPACING FOR CAST-IRON PIPING HANGERS SHALL BE INCREASED TO 10 FEET WHERE 10-FOOT

6 DETAIL-PIPE HANGERS NO SCALE

– GALVANIZED IRON –/

SHEET SHIELD (12" LONG)

- INSULATION WITHHH

REMARKS

(1), (2)

(1), (3)

(1), (3)

(1)

ENGINEER

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VAPOR BARRIER

PIPE -

MAXIMUM VERTICAL

SPACING (FEET)

15

10

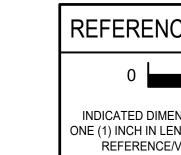
10

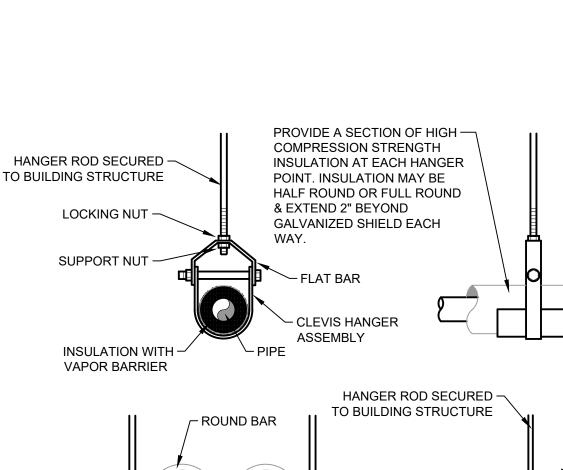
15

**REFERENCE DIMENSION** 

INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY. Gillon & Hartmann, Inc.

(4) PROVIDE CLEVIS AND HANGER ROD SIZING AS RECOMMENDED BY MANUFACTURER BASED ON PIPE MATERIAL AND SIZE TO BE





UNISTRUT CHANNEL -

PIPING MATERIAL

CAST-IRON

COPPER (1-1/2" AND LARGER)

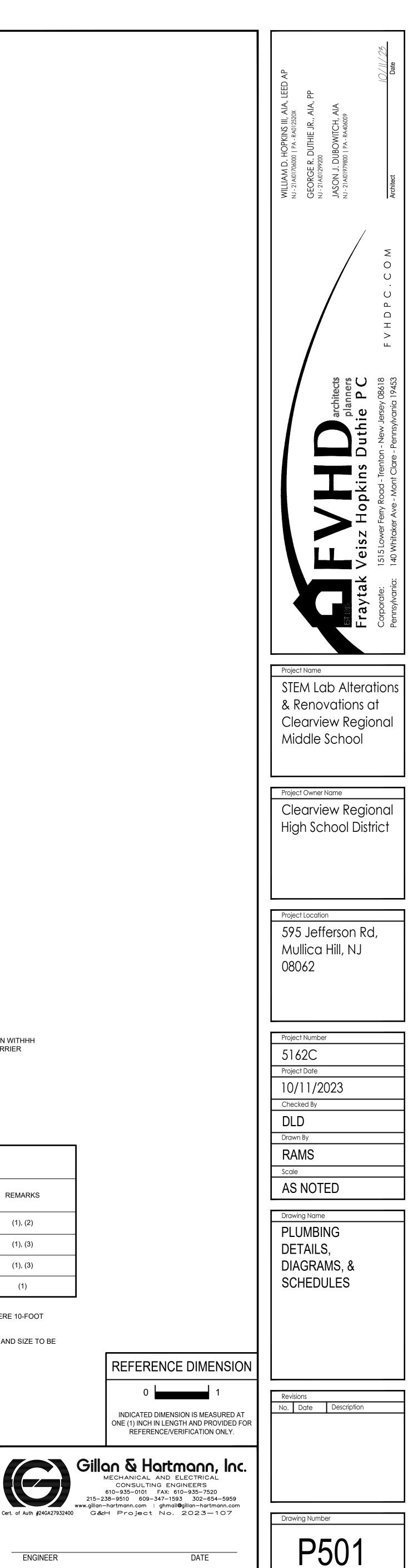
COPPER (1-1/4" AND SMALLER)

STEEL

LENGTHS OF PIPE ARE INSTALLED.

USED.

NOTES MODEL PACKAGE (266) (1)(2)



DATE