

# DISTRICT WIDE ROOFING PROJECT

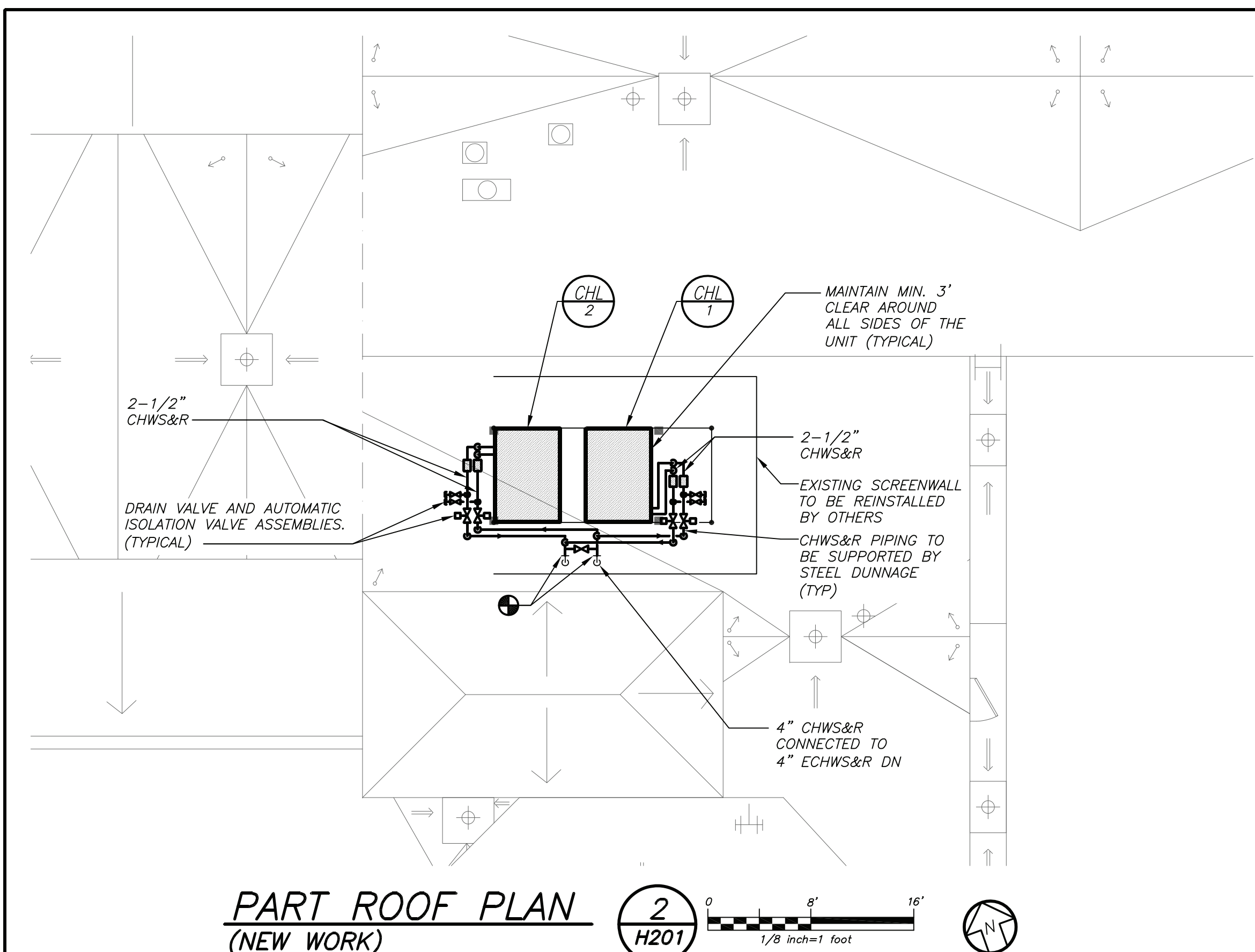
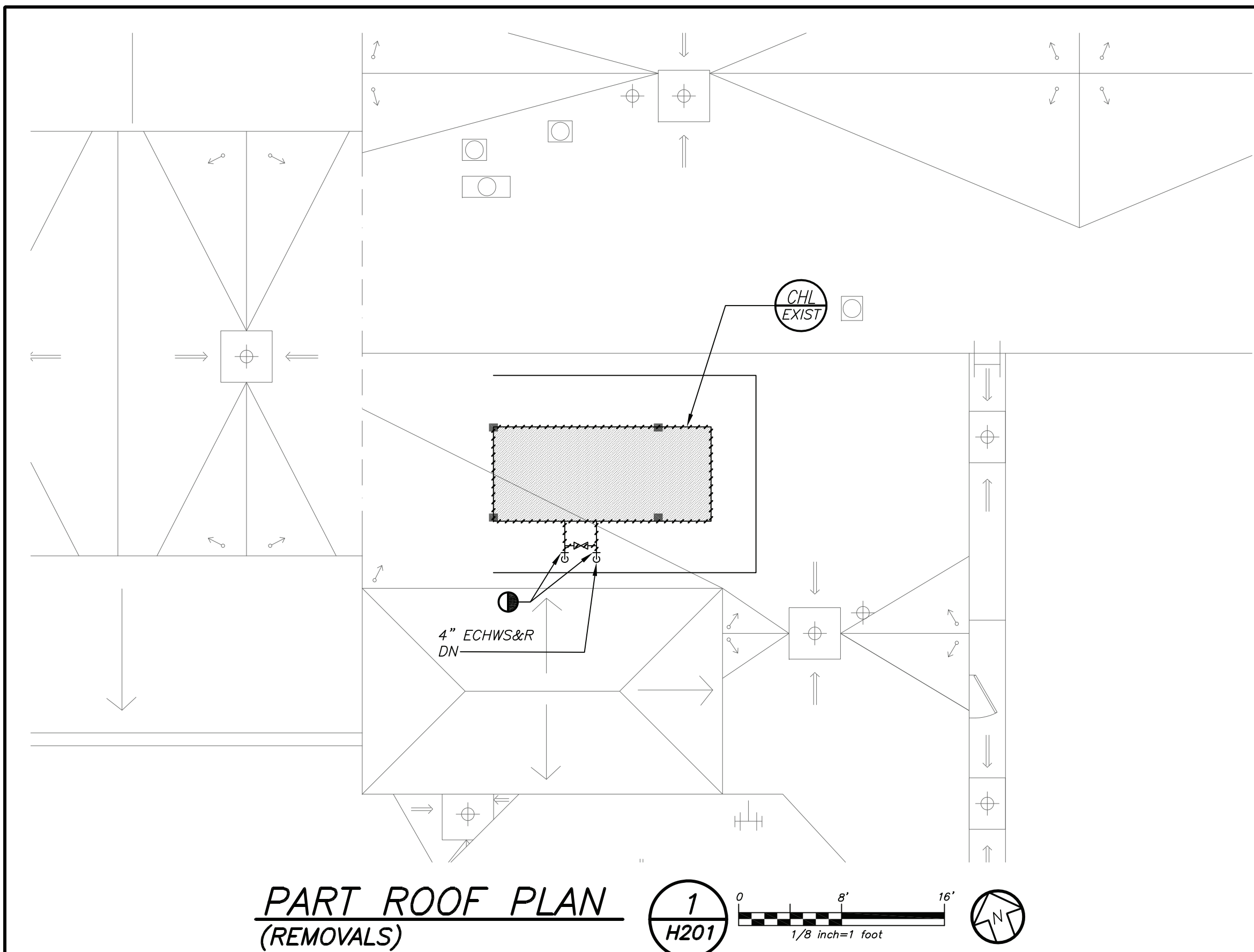
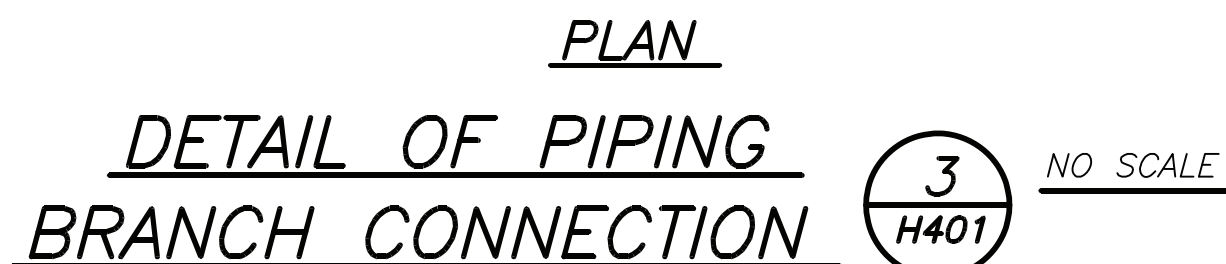
**KG+D** listen  
imagine  
build

NY SED PROJECT CONTROL NO.	
HIGH SCHOOL	66-02-02-03-0-001-03
MIDDLE SCHOOL	66-02-02-03-0-002-02
ELEMENTARY SCHOOL	66-02-02-03-0-003-03
NEW BUSINESS OFFICE	66-02-02-03-1-010-00
BUS GARAGE	66-02-02-03-5-004-00

CONSTRUCTION DOCUMENTS



- ③ THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- ④ DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED FROM THE PROJECT. THIS INCLUDES (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE, THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- ⑤ EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILING, PARTITIONS OR WALLS, FLOORS OR MUST BE MOUNTED OR EXPONENT EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED WHERE PIPING IS INSTALLED EXPOSED.
- ⑥ ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER AND CONTRACTOR PRIOR TO REMOVAL. THE CONTRACTOR SHALL ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.



SCHEDULE OF AIR COOLED CHILLERS												
MARK	SERVICE	LOCATION	MODEL N.O. □	COOLING CAPACITY (TONS)	GPM	COMPRESSOR QTY / SIZE	COND. FAN QTY / WATTS	ELECTRIC SERVICE	MCA	MOPP	PHYSICAL DATA DIMENSION / WEIGHT	REMARKS
CHL-1	CHILLED WATER	ROOF	ACHN40VBAB	35	84	4 1/10 TONS	4/900	208/3/60	147.9	150	85"x60"x88"/2300LBS	REFER TO ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺
CHL-2	CHILLED WATER	ROOF	ACHN40VBAB	35	84	4 1/10 TONS	4/900	208/3/60	147.9	150	85"x60"x88"/2300LBS	REFER TO ①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟㊱㊲㊳㊴㊵㊶㊷㊸㊹㊺

NOTES

① AS MANUFACTURED BY "LG".

② DESIGN CONDITIONS BASED ON OUTDOOR AMBIENT TEMPERATURE 95°F COOLING, 44°F LWT AND 54°F EWT

③ REFRIGERANT USED SHALL BE R-410a.

④ INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

⑤ E.E.R. = 10.82, NPLV = 19.40

⑥ BASED ON ARI STANDARD 730, MAXIMUM 87 dba SOUND POWER LEVEL, MAXIMUM 55 dba SOUND PRESSURE LEVEL @ 30FT.

⑦ ALL COMPRESSORS SHALL BE INVERTER TYPE.

⑧ PROVIDE LG MULTISITE DEGREE 10 CONTROLLERS MODEL PBASE10 WITH ENCLOSURE PANEL AND SOFTWARE FOR INTERFACE WITH ATC SUB-CONTRACTOR. EACH CONTROLLER CONTROLS TWO (2) CHILLER MODULES.

⑨ PROVIDE START-UP SERVICE AND COMMISSIONING BY FACTORY CERTIFIED TECHNICIAN.

⑩ PROVIDE NEOPRENE VIBRATION ISOLATION PADS. SECURE TO NEW DUNNAGE.

⑪ PROPYLENE GLYCOL 30%. CONTRACTOR RESPONSIBLE TO PROVIDE GLYCOL.

⑫ BEFORE WORK BEGINS, CONTRACTOR TO DETERMINE THE EXISTING FLOW FROM EACH CHILLED WATER PUMP, WITH ALL CONTROL VALVES FULLY OPEN. AT CONCLUSION OF PROJECT, CONTRACTOR SHALL BALANCE SYSTEM TO MAINTAIN THOSE FLOW RATES AT SIMILAR CONDITIONS (NUMBER OF PUMPS OPERATING, VALVE POSITIONS, ETC.)

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGAD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER UNWRITTEN DIMENSIONS. CONTRACTORS SHALL VERIFY ALL TRUE DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTION UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 86.5 (3) OF THE NEW YORK STATE LAW.

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Professional Seal

1	04/20/2023	ISSUED FOR BID
1	03/17/2023	CONSTRUCTION DOCUMENTS
No.	Date	Issue

Sheet Title

LEGEND, NOTES,  
SCHEDULE,  
DETAILS & PART  
ROOF PLANS

Job No. 2023-1002	Date 04/17/2023
Scale AS NOTED	Drawn / Checked BGA / BGA
Sheet Number	

H201