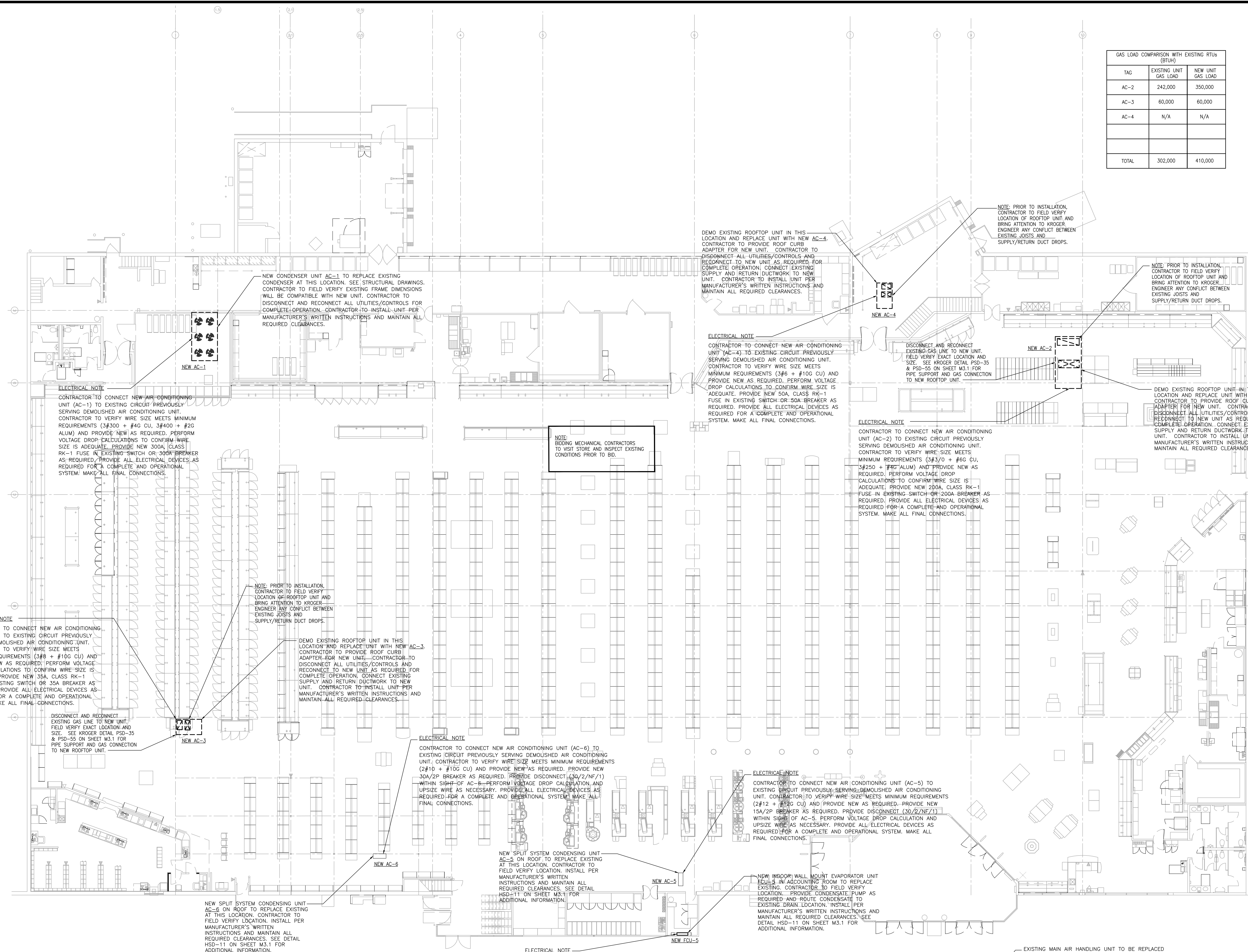


07/29/2021



**Kroger GA-291**  
 6199 Highway 92,  
 Acworth, GA 30102  
 FOR:  
**The Kroger Company**  
 3155 Royal Drive, Building #400, Suite 100,  
 Alpharetta, GA 30022

TAG	EXISTING UNIT GAS LOAD (BTUH)	NEW UNIT GAS LOAD
AC-2	242,000	350,000
AC-3	60,000	60,000
AC-4	N/A	N/A
<b>TOTAL</b>	<b>302,000</b>	<b>410,000</b>



**1 HVAC - NEW FLOOR PLAN**  
 M1.1 SCALE: 3/32" = 1'-0"

**3 HVAC - MEZZ. FLOOR PLAN**  
 M1.1 SCALE: 3/32" = 1'-0"

HVAC LEGEND & ABBREVIATIONS	
	SUPPLY DIFFUSER
	RETURN GRILLE
	AIR DISTRIBUTION TAG
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	MANUAL VOLUME DAMPER
	SPLITTER DAMPER
	FIRE DAMPER
	DOUBLE THICK TURNING VANE
	DOOR LOUVER
	ROOF TOP UNIT
	FAN COIL UNIT
	ELECTRIC FAN
	GAS UNIT HEATER
	KITCHEN HOOD
	CONDENSING UNIT

DUCTWORK LEGEND	
	EXISTING DUCT WORK, REMOVE AND DISCARD.
	EXISTING DUCT WORK TO REMAIN AND BE REUSED.
	NEW, INSTALLED DUCTWORK

**NOTE:**  
 THIS PROJECT IS A RENOVATION OF AN EXISTING FACILITY AND OF NECESSITY, PREVIOUS RECORD DRAWINGS FORM THE BASIS FOR MANY OF THESE DRAWINGS. IT IS THEREFORE EVEN MORE IMPORTANT THAN IN NEW CONSTRUCTION THAT ALL DIMENSIONS SHALL BE FIELD VERIFIED BEFORE FABRICATION OR PURCHASE OF DIMENSION CRITICAL EQUIPMENT, MATERIALS, AND ASSEMBLIES. THERE MAY EXIST FIELD CONDITIONS NOT ACCESSIBLE DURING DESIGN WHICH DIFFER FROM THOSE SHOWN ON THE DRAWINGS. ANY SUCH DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND KROGER ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH ANY CONSTRUCTION, FABRICATION, OR MATERIAL/EQUIPMENT PURCHASES WHICH WOULD BE UNUSABLE UNDER THOSE CIRCUMSTANCES.

07/27/2021

PROJECT NUMBER  
**20122**

SHEET NUMBER  
**M1.1**



07/29/2021



Kroger GA-291  
 6199 Highway 92,  
 Acworth, GA 30102  
 FOR:  
**The Kroger Company**  
 3155 Royal Drive, Building #400, Suite 100,  
 Alpharetta, GA 30022

- NOTES TO GENERAL CONTRACTOR REGARDING KROGER SUPPLIED, CONTRACTOR INSTALLED EQUIPMENT:**
- CONTRACTOR TO OBTAIN APPROVAL OF ANY DELIVERY DATE CHANGES FROM KROGER PROJECT ENGINEER AND COORDINATE WITH VENDOR.
  - CONTRACTOR TO RECEIVE EQUIPMENT, PROVIDE INSPECTION, AND NOTIFY VENDOR & KROGER PROJECT ENGINEER OF MISSING AND/OR DAMAGED MATERIALS WITHIN 48 HOURS AFTER DELIVERY (20 DAYS FOR CONCEALED DAMAGE).
  - CONTRACTOR TO PROVIDE SAFE HARBORING, INSTALLATION, AND REMOVAL OF ANY SALVAGE MATERIALS.
  - CONTRACTOR TO HANDLE ANY WARRANTY CLAIMS (PRIOR TO STORE OPENING) DIRECTLY WITH VENDOR.

**MECHANICAL NOTES**

- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND LOCAL CODES.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. GENERAL CONTRACTOR WILL REIMBURSE KROGER FOR ANY DAMAGE TO EQUIPMENT THAT OCCURS DURING TRANSPORTATION.
- DUCT SIZES ARE SHOWN AS CLEAR INSIDE FREE AREA DIMENSIONS. PROVIDE FLEXIBLE CONNECTIONS WHERE DUCTS CONNECT TO UNIT (IN RISERS), RUN ALL DUCTWORK AS HIGH AS POSSIBLE TO AVOID INTERFERENCE OF INTERSECTING DUCT. ALL DUCTWORK SHALL BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS, COORDINATE ELEVATION AND LOCATION WITH RAIN LEADERS, WATER PIPING, PLUMBING VENTS, AND MAJOR ELECTRICAL CONDUITS OR CABLE TRAYS.
- PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLS, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
- ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS (LATEST ISSUE). DUCT HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH SMACNA RECOMMENDATIONS.
- INSULATE ALL SUPPLY AND RETURN DUCT WITH MINIMUM R-6 INSTALLED FIBERGLASS, FOIL BACKED INSULATION OR RIGID BONDED WITH FIRE AND SMOKE RATING (25/50) TO PREVENT CONDENSATION. INSTALL IN ACCORDANCE WITH SMACNA DUCT WRAP APPLICATIONS STANDARDS. INSTALL DUCT LINER IN THE FIRST TEN FEET OF SUPPLY AND RETURN DUCTS UNLESS NOTED OTHERWISE. ALL DUCTWORK ENCLOSED BY CEILING OR WALL SHALL BE INSULATED. EXPOSED DUCTWORK INSIDE THE BUILDING DOES NOT REQUIRE INSULATION. ALL EXTERIOR DUCT OUTSIDE THE BUILDING SHALL BE PAINT GRIP DOUBLE WALL WITH LINER WITH-IN. ALL DUCTWORK DIMENSIONS ARE NET INSIDE DIMENSIONS.
- ALL CONTROL WIRING SHALL BE RUN INSIDE WALLS OR ABOVE CEILING. IN UNFINISHED AREAS, ROUTE CONTROL WIRING INSIDE CONDUIT IN JOIST SPACE. CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING SENSORS, THERMOSTATS, AUDIOVISUAL ANNUNCIATORS, ROOF-TOP UNITS, SMOKE DETECTORS, CONTRACTOR PANEL, AND CONTROL PANEL.
- CONTRACTOR SHALL RUN CONTROL WIRING AS NECESSARY FROM NEW EQUIPMENT TO CPC CONTROLLER. KROGER TECHNICIAN SHALL INSTALL CPC CONTROLLERS AS NECESSARY ON EQUIPMENT AND LAND THE WIRING IN THE VARIOUS LOCATIONS. ALL RTUS TO BE CONTROLLED BY CPC ENERGY MANAGEMENT SYSTEM.
- PROVIDE DEEP SEAL TRAP AT CONDENSATE DRAIN FROM DX COIL AT ALL UNITS. INSULATE ALL CONDENSATE DRAIN PIPING WITHIN THE BUILDING WITH MINIMUM R-3 AP ARMAFLEX TYPE INSULATION. ROUTE TO DRAIN/STOCK MINIMUM 5 FT AWAY FROM UNIT ON ROOF. ALL CONDENSATE PIPING SHALL BE INSTALLED WATERTIGHT, SECURED AND CLAMPED ON SUPPORT FOR THE ENTIRE LENGTH OF RUN ABOVE AND BELOW ROOF. CONDENSATE FROM ALL INDOOR DX COIL UNITS SHALL BE SCHEDULE 40 PVC, ROUTED TO NEAREST DRAIN OR TAP SINK AS INDICATED ON THE WACPLUMBING FLOOR PLANS. CONDENSATE LINE SIZE SHALL BE FULL SIZE OF UNIT CONNECTION AND NOT LESS THAN 1/2" INTERNAL DIAMETER. CONDENSATE PIPING SHALL NOT DECREASE IN SIZE FROM THE UNIT CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL. THE PIPING SHALL HAVE AN ADEQUATE AIR SEAL AT EACH UNIT CONNECTION WITH A VENT DOWNSTREAM OF THE TRAP. ROUTE CONDENSATE TO ROOF IF NO LOCATION IS SPECIFIED. CONTRACTOR TO RUN ALL CONDENSATE PIPING IN WALL AND CONCEALED FROM VIEW AS MUCH AS POSSIBLE.
- THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATIONS. BUILDING DIMENSIONS SHALL BE TAKEN FROM ARCH. PLANS AND EQUIPMENT DIMENSIONS SHALL BE TAKEN FROM CERTIFIED EQUIPMENT DATA.
- IN AIR SYSTEMS GREATER THAN 2000 CFM, SMOKE DETECTORS SHALL BE LOCATED IN THE SUPPLY AIR STREAM DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. UPON ACTIVATION, SMOKE DETECTOR SHALL SHUT DOWN THE UNIT AND ACTIVATE A VISIBLE AND AUDIBLE SENSORY SIGNAL.
- ALL FANS OF 2,000 CFM OR MORE SHOULD HAVE A MEANS OF AUTOMATIC SHUTDOWN. RECIRCULATING AIR SYSTEMS WITH A FAN CAPACITY LESS THAN 2,000 CFM BUT SERVING AN AREA FOR EGRESS SHALL HAVE A SMOKE DETECTOR AS MEANS OF AUTOMATIC SHUTDOWN LOCATED IN THE SUPPLY.
- CONTRACTOR TO COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
- ALL FANS 1/8 H.P. AND ABOVE SHALL HAVE FUSED DISCONNECT SWITCHES MOUNTED AT THE FAN. IF APPROVED BY LOCAL AUTHORITIES, NON-FUSED DISCONNECT SWITCHES MAY BE USED. DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.
- CONTRACTOR TO COORDINATE ALL CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND MATERIAL. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- MOUNT ALL THERMOSTATS/SENSORS IN NON SALES AREAS AT 6'0" A.F.F. UNLESS NOTED OTHERWISE. SLURRY THERMOSTATS (EX. PHARMACY) SHALL BE MOUNTED AT 4'8" A.F.F. TO MEET ADA CODE REQUIREMENTS. ANY THERMOSTATS/SENSORS LOCATED ON AN EXTERIOR WALL SHALL BE MOUNTED ON AN INSULATING BASE.
- OBTAINING ALL REQUIRED PERMITS AND PAYING ALL ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM MECHANICAL WORK AS SHOWN, NOTED OR SCHEDULED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL NOT ROUTE DUCTWORK ABOVE ELECTRICAL EQUIPMENT AND PANELS.
- ALL CONTRACTORS MUST COORDINATE EACH PIECE OF EQUIPMENT WITH ALL OTHER TRADES (GENERAL CONTRACTOR, PLUMBING CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC.) AFFECTED BY THAT PIECE OF EQUIPMENT (ROOF OPENINGS, WEIGHTS, POWER REQUIREMENTS, VOLTAGES, ETC.) PRIOR TO ORDERING EQUIPMENT AND AGAIN PRIOR TO INSTALLATION (ROOFTOP EQUIPMENT PRIOR TO LIFTING ONTO ROOF). NO EXTRA COMPENSATION WILL BE APPROVED IF COORDINATION IS NOT PERFORMED BY EACH RESPECTIVE CONTRACTOR AND SUBCONTRACTOR.
- CONTRACTOR SHALL VISIT SITE BEFORE SUBMITTING BID AND MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, AND NOTE CONDITIONS UNDER WHICH HIS WORK IS TO BE PERFORMED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO DO SO. THIS CONTRACT INVOLVES REMODELING OF EXISTING BUILDING AND THEREFORE SHALL FIELD LOCATE EXISTING EQUIPMENT, DUCTWORK, PIPING, AIR TERMINAL DEVICES, ETC. BEFORE STARTING WORK.
- ALL OBVIOUS ERRORS AND/OR OMISSIONS IN THE ABOVE MENTIONED DOCUMENTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION.
- ANY MECHANICAL ITEMS IN QUESTION REGARDING REMOVAL/REUSE SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER. CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION TO THE ARCHITECT/ENGINEER IN WRITING PRIOR TO REMOVAL OF ANY MECHANICAL ITEMS.
- ALL COSTS INCURRED BY ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY CONTRACTOR. ANY ADDITIONAL COST/SERVICES RESULTING FROM PROPOSED SUBSTITUTE EQUIPMENT SHALL BE PROVIDED AT NO EXTRA COST TO THE OWNER.
- FOR ANY WORK INVOLVING THE USE OF A CRANE TO TRANSPORT EQUIPMENT ACROSS THE STORE ROOFTOP, CONTRACTOR SHALL PROVIDE APPROPRIATE PERSONNEL TO MAINTAIN SAFETY AND SECURITY INSIDE THE BUILDING, UNDER THE PATH OF THE EQUIPMENT BEING MOVED.
- CONTRACTOR TO REMOVE FROM JOBSITE AND DISPOSE OF ALL OLD EQUIPMENT AND CONSTRUCTION DEBRIS ASSOCIATED WITH THIS PROJECT WITHIN 48 HOURS OF DEMOLITION.
- CONTRACTOR SHALL PROVIDE ALL TOOLS, LABOR, SUPPLIES AND ALL OTHER RELATED EQUIPMENT FOR THE REMOVAL OF OLD EQUIPMENT AND THE INSTALLATION OF NEW EQUIPMENT. ALL COPPER TUBING SHALL BE PRESSURE RATED TO HANDLE R-410A REFRIGERANT GAS.

**ROOFTOP UNIT SCHEDULE**

MARK	CFM	O.A. CFM	ESP W.G.	BREAK H.P.	COOLING			HEATING CAPACITY (BTUH)		BASIS OF DESIGN (TRANE)	NOM. TONNAGE	LOCATION	WEIGHT (LBS)	EPRO#	NOTES
					EAT°Fdb	EAT°Fwb	TOTAL CAP.MBH	INPUT	OUTPUT						
AC-2	12,000	1,500	1.0"	8.26	80°F	67°F	366.05	350,000	280,000	YCD360BE	30	SALES	4,488	K-0067867	①②③④⑤⑥⑦⑧⑨
AC-3	1,600	250	0.7"	0.61	80°F	67°F	49.93	60,000	49,000	YHC04BE3RLA	4.0	PHARMACY	976	K-0067867	①②③④⑤⑦
AC-4	3,000	400	0.7"	1.02	80°F	67°F	92.0	N/A	N/A	THC092F3ROA	7.5	DELI/BAKERY PREP	1,228	K-0067867	①②③④⑤⑥⑦

- KROGER MAINTAINS A NATIONAL ACCOUNT WITH TRANE. UNITS WILL BE PROVIDED BY KROGER. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF ROOFTOP UNITS.
- CONTRACTOR TO PROVIDE ROOF CURB ADAPTER TO TRANSITION FROM EXISTING UNIT TO NEW ROOFTOP UNIT. SCREWS ANCHORING CURB ADAPTERS SHALL BE COVERED WITH SILICONE SEALANT.
- ROOF CURBS AND CURB ADAPTERS PROVIDED BY CONTRACTOR AND PURCHASED FROM AES THROUGH NATIONAL ACCOUNT AGREEMENT WITH KROGER.
- UNIT SHALL HAVE SENSORS/THERMOSTATS AS SPECIFIED FOR CPC ENERGY MANAGEMENT SYSTEM.
- CONTRACTOR TO RECONNECT EXISTING DUCT SMOKE DETECTOR TO NEW UNIT. NOTIFY KROGER ENGINEER IF EXISTING DUCT SMOKE DETECTOR IS NOT IN WORKING CONDITION.
- CONTRACTOR TO VERIFY VOLTAGE AND POWER REQUIREMENTS WITH ELECTRICAL.
- PROVIDE WITH ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF
- PROVIDE DEHUMIDIFICATION CONTROL AND REHEAT OPERATION.
- PROVIDE PLATFORM, IF NEEDED, FOR MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE.
- PROVIDE UNIT WITH 35,000 KAIC RATING.

**AIR CONDITIONING UNIT SCHEDULE**

INDOOR UNIT				OUTDOOR UNIT							
MARK	CFM	FAN MOTOR	BASIS OF DESIGN (MITSUBISHI)	MARK	MBH HEATING @47°F AMBIENT	MBH COOLING @95°F AMBIENT	BASIS OF DESIGN (MITSUBISHI)	SEER	LOCATION	EPRO#	NOTES
FCU-5	399	0.76 F.L.A.	NTXWST12A	AC-5	14.4	12.0	NTXSST12A	24.6	ACCOUNTING ROOM	K-0039110	①②③④⑤⑥
FCU-6	920	0.57 F.L.A.	TPKA0A0361KA7	AC-6	N/A	36.0	TRUYA0361KA7	18.8	ECR ROOM	K-0039100	①②③④⑤⑥

- UNITS PROVIDED BY KROGER THROUGH NATIONAL ACCOUNT WITH TRANE-MITSUBISHI. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF SPLIT SYSTEM UNITS. INSTALL UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN ALL SERVICE CLEARANCES.
- PROVIDE LONG LINE APPLICATION WHEN THE TOTAL TUBING LENGTH EXCEEDS 40 FT OR WHEN THERE IS MORE THAN 16 FT VERTICAL SEPERATION BETWEEN INDOOR AND OUTDOOR UNITS.
- PROVIDE CONDENSATE PUMP MODEL LITTLE GIANT MODEL VCMA-20 OR EQUIVALENT FOR ROUTING OF CONDENSATE FROM INDOOR EVAPORATOR UNIT.
- PROVIDE WITH LOW AMBIENT KIT, INTERNAL CONDENSATE PUMP AND WIND BAFFLES TO AVOID REVERSE ROTATION OF CONDENSER FAN.
- ROOF MOUNTED OUTDOOR CONDENSING UNITS TO BE INSTALLED ON 45"x20"x14" TALL CURB, AES CURB MODEL# 42486 (SEE HSD-11). CURB PROVIDED BY CONTRACTOR.
- INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR TO COORDINATE VOLTAGE AND POWER REQUIREMENTS WITH ELECTRICAL.

**AIR HANDLING UNIT AND CONDENSING UNIT SCHEDULE**

AIR HANDLING UNIT										CONDENSING UNIT									
MARK	CFM	AIR HANDLING FAN			AIR HANDLING UNIT DX COIL					MODEL (TRANE)	WEIGHT (LBS)	MARK	NO. OF COMPRESSORS	NO. OF FANS	FAN H.P.	WEIGHT (LBS)	MODEL (TRANE)	NOTES	
		O.A. CFM	ESP W.G.	BREAK H.P.	SENS CAP.MBH	TOT CAP.MBH	EAT°Fdb	EAT°Fwb	LAT°Fdb										LAT°Fwb
AHU-1	21,000	4,100	1.8"	17.1	582.95	849.9	79.10°F	66.24°F	53.96°F	52.94°F	CSAA050	4,153	AC-1	4	6	1	3,462	RAUJC60	①②③④⑤⑦⑧⑨

- KROGER MAINTAINS A NATIONAL ACCOUNT WITH TRANE. UNITS WILL BE PROVIDED BY KROGER. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF SPLIT SYSTEM UNITS.
- SEE STRUCTURAL DRAWINGS FOR UNIT INSTALLATION.
- UNIT SHALL HAVE SENSORS/THERMOSTATS AS SPECIFIED FOR CPC ENERGY MANAGEMENT SYSTEM.
- PROVIDE INDOOR EVAPORATOR AND OUTDOOR CONDENSER UNIT WITH 65KA SCCR RATING AT 208V/3PH.
- CONTRACTOR TO RECONNECT EXISTING DUCT SMOKE DETECTOR TO NEW UNIT. NOTIFY KROGER ENGINEER IF EXISTING DUCT SMOKE DETECTOR IS NOT IN WORKING CONDITION.
- CONTRACTOR TO VERIFY VOLTAGE AND POWER REQUIREMENTS WITH ELECTRICAL.
- CONTRACTOR SHALL SUPPLY NECESSARY QUANTITY OF R-410A REFRIGERANT GAS TO CHARGE THE NEW UNIT.
- CONTRACTOR TO REPLACE DUCT MOUNTED HEAT RECLAIM COIL ASSOCIATED WITH AIR HANDLER. SEE HSD-12 ON THIS SHEET.
- THE NEW AIR HANDLER DIMENSIONS ARE APPROXIMATELY 76"(H) X 126"(W) X 112"(L). CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR PROPER INSTALLATION OF AIR HANDLER DURING BID AND PRIOR TO ORDERING. NOTIFY KROGER ENGINEER IF THERE IS ANY CONFLICT WITH NEW AIR HANDLER INSTALLATION IN EXISTING LOCATION.

**GAS DUCT HEATER**

MARK	CFM	WIDTH		CFH	BASIS OF DESIGN (STERLING)	NOTES
		HEIGHT	HEIGHT			
DH-1	7,407	34.75"	19"	300	QVED-300	①②③④⑤⑥
DH-2	7,407	34.75"	19"	300	QVED-300	①②③④⑤⑥

- DUCT HEATER WILL BE PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT AND COMPLETE INSTALLATION OF UNIT.
- INTERLOCK HEATER WITH AHU-1
- CONTRACTOR TO VERIFY VOLTAGE AND POWER REQUIREMENTS WITH ELECTRICAL.
- PROVIDED WITH DRIP PAN AND CONDENSATE DRAIN LINES.
- PROVIDE TWO STAGE CONTROL AND VENT CAP THRU ROOF.
- EQUAL SUBSTITUTIONS ALLOWED - PROVIDE SUBMITTAL.

**HVAC SCHEDULES AND NOTES**

07/27/2021

PROJECT NUMBER  
20122

SHEET NUMBER  
M6.1

**GENERAL NOTES:**

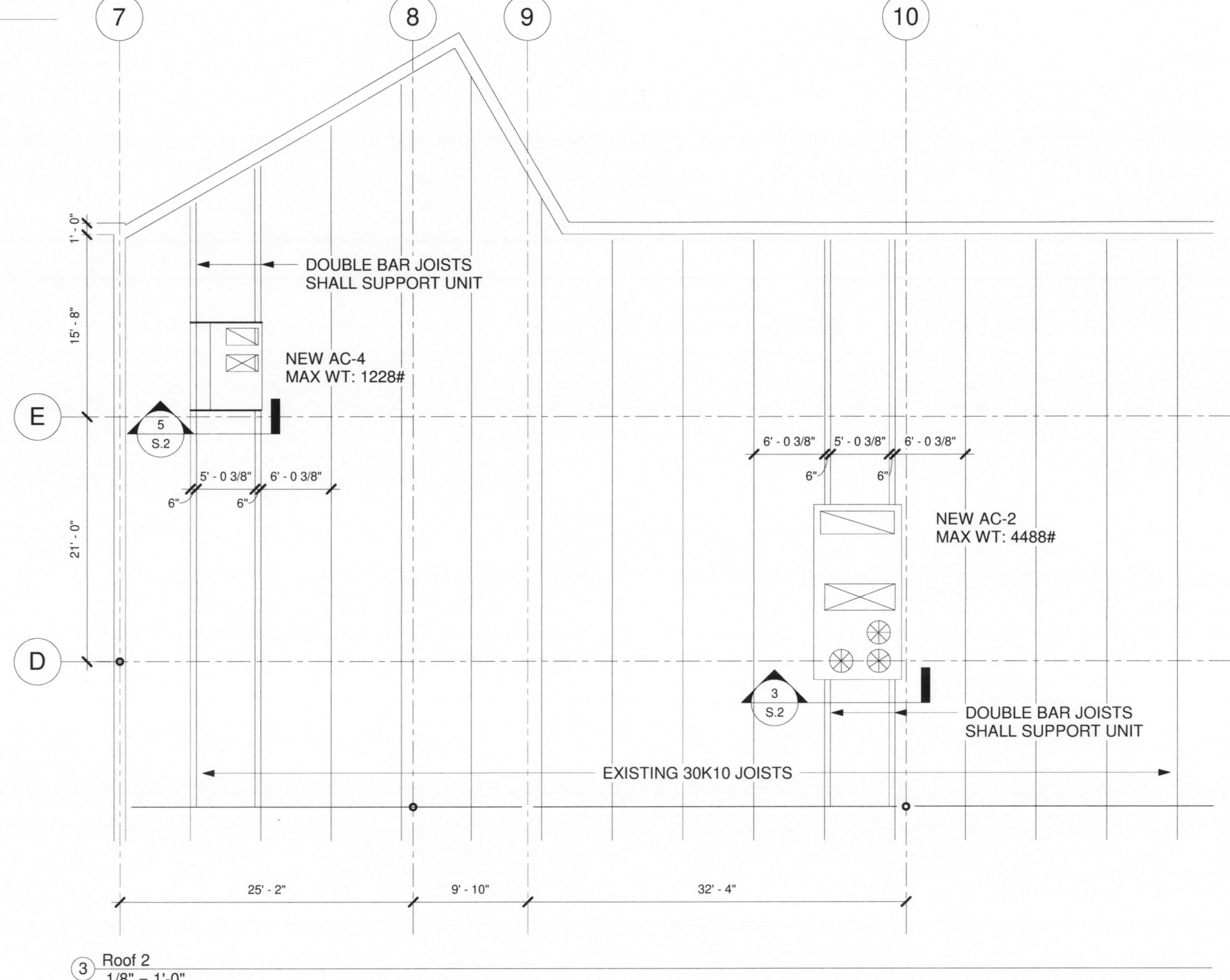
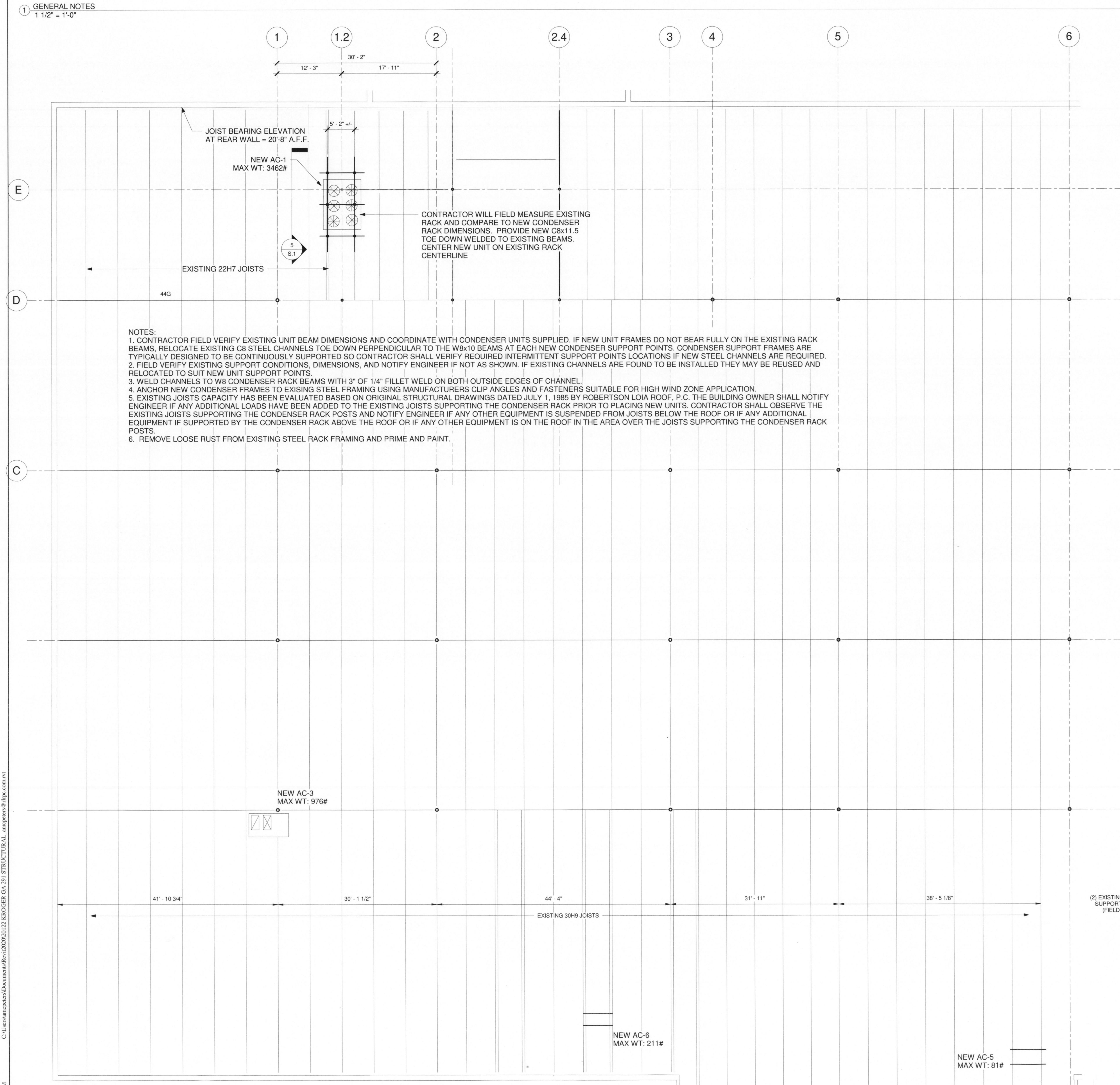
(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT)

- THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION; INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.
- COORDINATE ALL DIMENSIONS WITH EXISTING EQUIPMENT, BUILDING ELEMENTS, AND KROGER PROJECT MANAGER. NOTIFY ENGINEER IF NOT AS INDICATED ON THESE DRAWINGS.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
- DESIGN LOADS:  
THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH 2018 IBC AND ALL GEORGIA AMENDMENTS.  
A. GRAVITY LOADS  
DEAD LOADS: 20 PSF ROOF LIVE LOADS: 20 PSF
- ALL NEW CONVERTIBLE CURBS OR STANDARD CURBS SHALL BE ANCHORED TO EXISTING CURBS OR STEEL FRAMING WITH A MINIMUM OF #12 SCREWS AT 12" O.C. AT ALL EDGES OR APPROVED EQUAL WELDS. UNITS SHALL BE ANCHORED TO CURBS WITH MANUFACTURERS STANDARD WIND/HURRICANE CLIPS.

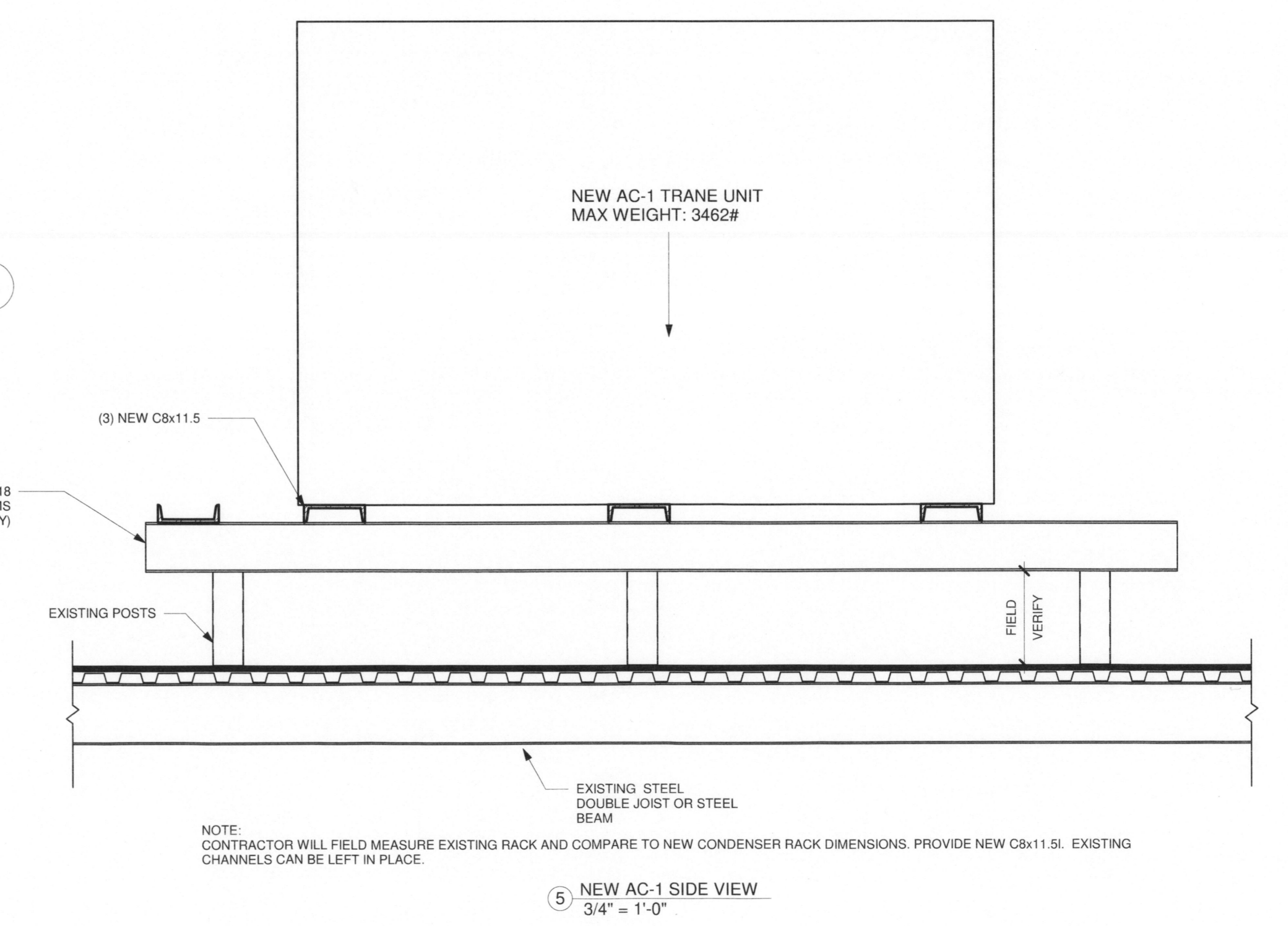
**STEEL NOTES:**

- STRUCTURAL STEEL:  
A. SHALL CONFORM TO THE LATEST STANDARDS OF ASTM.  
STRUCTURAL STEEL SHAPES, PLATES AND BARS AND RODS: A36
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-14) USING LOAD AND RESISTANCE FACTOR DESIGN.
- SHOP OR FIELD SPLICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING SUCH SPLICES FOUND IN THE FIELD SHALL BE REMOVED AND REPLACED WITH UNSPLICED MEMBERS AT THE FABRICATOR'S EXPENSE.
- WELDS:  
A. PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL. USE E60XX OR E70XX ELECTRODES.  
B. ALL WELDING SHALL CONFORM TO THE LATEST "STRUCTURAL WELDING CODE" BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.  
C. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED, ON ALL SHOP AND FIELD WELDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.  
D. ALL WELDS ARE CONTINUOUS FOR THE FULL LENGTH OF THE CONNECTION UNLESS NOTED OTHERWISE ON DRAWINGS.  
E. ALL FIELD WELDS SHALL BE INSPECTED BY A CERTIFIED WELD INSPECTOR. ALL STEEL CONNECTIONS SHALL BE INSPECTED BY A THIRD PARTY SPECIAL INSPECTOR IN ACCORDANCE WITH IBC 2018 FOR CONFORMANCE WITH THE DETAILS INDICATED ON THIS DRAWING.

1 GENERAL NOTES  
1 1/2" = 1'-0"

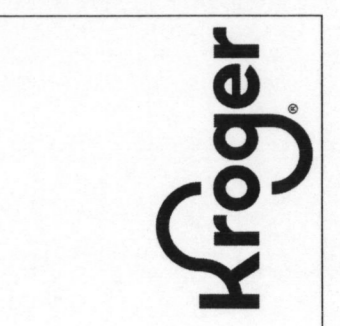
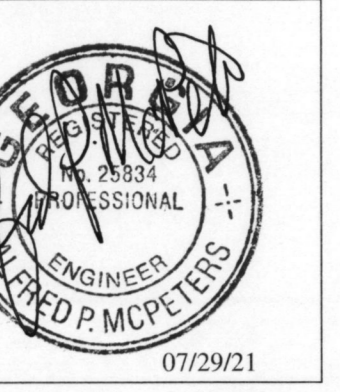


3 Roof 2  
1/8" = 1'-0"



5 NEW AC-1 SIDE VIEW  
3/4" = 1'-0"

2 ROOF FRAMING PLAN  
1/8" = 1'-0"



Kroger GA-#291  
Acworth Hwy  
Acworth, GA  
FOR:  
The Kroger Company  
3155 Royal Drive  
Alpharetta, GA 30022

REVISION	DATE	DESCRIPTION

DATE: 7-27-2021  
PROJECT NUMBER: 20122  
SHEET NUMBER: S.1

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