

MIDDLETOWN, NY CLUB NO.: 6423-230

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SPECIAL ELEMENTS OS1 OWNER SUPPLIED ITEMS



- 2020 BUILDING CODE OF NEW YORK STATE 2020 PLUMBING CODE OF NEW YORK STATE
- 2020 MECHANICAL CODE OF NEW YORK STATE
- 2020 ELECTRICAL CODE OF NEW YORK STATE 2020 FIRE CODE OF NEW YORK STATE
- 2020 ENERGY CODE OF NEW YORK STATE
- HANDICAP ACCESSIBILITY GUIDELINES: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN • 2009 ICC ANSI A117.1

FIRE PROTECTION:

FULLY SPRINKLERED

TYPE OF CONSTRUCTION:

TYPE 5B

UNLIMITED FLOOR AREA: COMPLETELY SPRINKLERED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM AND ENTIRELY SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60'-0" IN WIDTH.

(WALLS AND PERMANENT PARTITIONS SHALL BE OF NON-COMBUSTIBLE MATERIALS.)

FIRE/PARTY WALLS OCCUPANCY SEPARATION WALL INTERIOR BEARING WALLS INTERIOR NON-BEARING PARTITIONS COLUMNS STRUCTURAL FRAMING FLOOR/CEILING CONSTRUCTION ROOF/CEILING CONSTRUCTION EXTERIOR BEARING WALLS EXTERIOR NON-BEARING WALLS NA = NOT APPLICABLE

NC = NON COMBUSTIBLE NL = NO LIMIT NR = NO REQUIREMENTS FOR FIRE PROTECTION OCCUPANCY:

M - MERCANTILE S2 - STORAGE

NOTE: PROJECT SCOPE DOES NOT IMPACT EXISTING OCCUPANCY CALCULATION. THEREFORE, NO CHANGES TO THE NUMBER OF REQUIRED RESTROOMS AND MEANS OF EGRESS OR EXITING IS INCLUDED IN THE SCOPE OF WORK. ALL EXISTING TO REMAIN AS IS.

som's club <>

SITE ADDRESS

SAM'S CLUB #6423-230 300 N GALLERI DR MIDDLETOWN, NY 10941

<u>KEY PLAN</u>



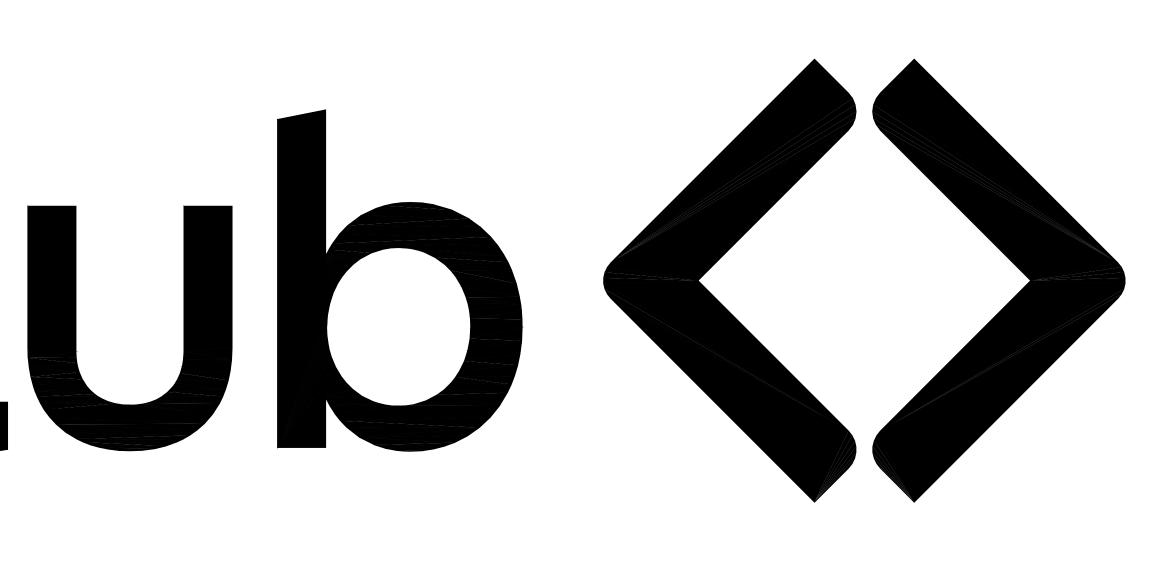
GENERAL INFORMATION

NEW FIRE EXTINGUISHERS SHALL BE FURNISHED BY OWNER (UNLESS NOTED OTHERWISE) AND INSTALLED BY CONTRACTOR IN ACCORDANCE WITH NFPA 10. EXISTING FIRE EXTINGUISHERS WILL REMAIN UNLESS DIRECTED TO BE RELOCATED/REPLACED BY AHJ. CLASS K EXTINGUISHERS SHALL BE PROVIDED WITHIN 30 FEET OF ALL COOKING AREAS. FIRE EXTINGUISHER LOCATIONS SHALL BE APPROVED BY THE OFFICE OF THE FIRE MARSHAL PRIOR TO OCCUPANCY. FIRE EXTINGUISHERS ARE TO BE MOUNTED SUCH THAT THE BOTTOM OF UNIT IS 26" AFF MAX. REFER SPECIFICATION SECTION 01500 FOR TEMPORARY FIRE EXIT.

LOCAL CONTACTS

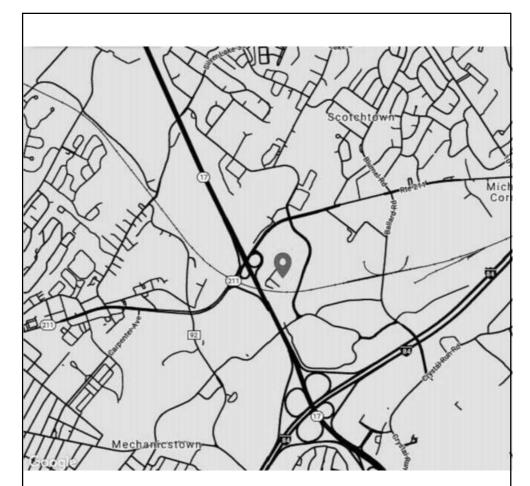
BUILDING OFFICIAL: Delores Musone dmusone@townofwallkill.com 99 Tower Dr. - Bldg A Middletown, NY 10941 (845) 692-7807 p

ARCHITECT	STRUCTURAL ENGINEER	REFRIGERATI
ms consultants, inc.	ms consultants, inc.	
Contact: Mahbuba Hatem, RA, LEED AP 2221 Schrock Road Columbus, Ohio 43229-1547 (614) 898-7100 phone (614) 898-7570 fax	Contact: Craig Metzger 2221 Schrock Road Columbus, Ohio 43229-1547 (614) 898-7100 phone (614) 898-7570 fax	Contact: Roy R. Pa 1805 N 2nd St Ste Rogers, AR 72756 (479) 631-5004 pho



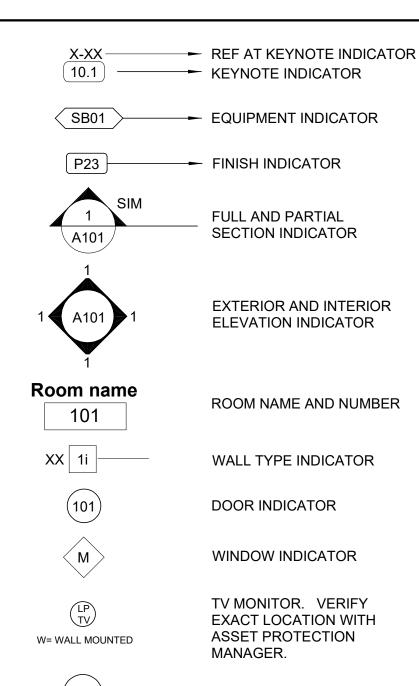
DATE: 04/25/22 PROTO: FULL FRESH OPTIMIZATION

VICINITY MAP



ABBREVIATIONS LEGEND

SYMBOLS LEGEND



------ EQUIPMENT INDICATOR ---- FINISH INDICATOR FULL AND PARTIAL SECTION INDICATOR EXTERIOR AND INTERIOR ELEVATION INDICATOR ROOM NAME AND NUMBER WALL TYPE INDICATOR DOOR INDICATOR

TV MONITOR. VERIFY EXACT LOCATION WITH ASSET PROTECTION

(A) — – – – COLUMN LINE INDICATOR

OSHA

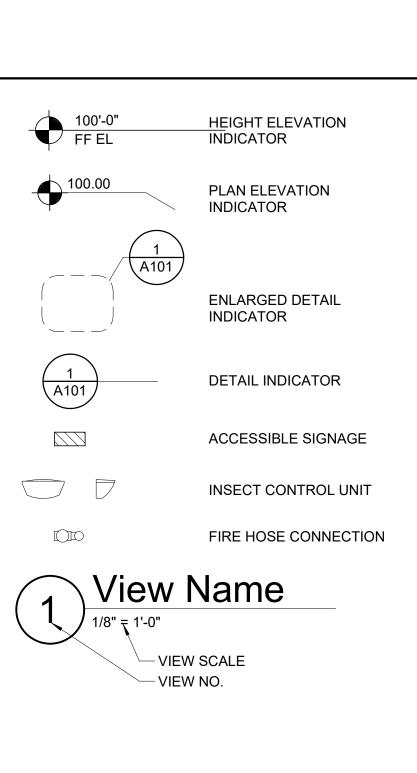
PAF PCF PLAM

DEFINITION DEFINITION ANCHOR BOLT FAR SIDE ACCESSIBLE (HANDICAPPED) FOOTING AMERICAN CONCRETE INSTITUTE FIELD VERIFY ABOVE FINISHED FLOOR GAUGE ABOVE FINISHED GRADE GENERAL CONTRACTOR AUTHORITY HAVING JURISDICTION GENERAL MERCHANDISE

AHJ	AUTHORITY HAVING JURISDI	CTION	GM	GENERAL MERCH	IANDISE	PL
AHU	AIR HANDLING UNIT		GR	GROCERY		PLF
AISC	AMERICAN INSTITUTE OF ST	EEL CONSTRUCTION	GYP BD	GYPSUM BOARD		PMEJ
AP	ASSET PROTECTION		Н	HEIGHT		PS
ALUM	ALUMINUM		HDPE	HIGH-DENSITY PC	DLYETHYLENE	PSF
ARCH	ARCHITECTURAL		НМ	HOLLOW METAL		PSI
ASTM	AMERICAN SOCIETY OF TEST	ING AND MATERIALS	HMR	HOME MEAL REPI	LACEMENT	PT
AWS	AMERICAN WELDING SOCIET		HORIZ	HORIZONTAL		PVC
BAS	BUILDING AUTOMATION SYS		HSA	HEADED STUD AN	NCHOR	QTY
BD	BOARD	(=)	HSS	HOLLOW STRUCT		REF
BFF	BELOW FINISHED FLOOR		HW	HOT WATER		REFRIG
BL	BLOCK LINTEL		ICC	INTEGRAL COLOF		REINF
BLDG	BUILDING		INFO	INFORMATION		REQD
BO	BOTTOM OF		ISO	ISOLATION		REV
BOS	BOTTOM OF STEEL OR BOTT		JBE	JOIST BEARING E		RI
BTM	BOTTOM		JST	JOIST		RMC
BRG	BEARING		JT	JOINT		RO
CD	CASH DRAWER		KSI	KIPS PER SQUAR		RTU
CJ	CONTRACTION JOINT		1	LENGTH		SCHED
CL			LB	POUNDS		SDI SF
CLFMI	CHAIN LINK FENCE MANUFAC	JURERS INSTITUTE	LLH	LONG LEG HORIZ		
CLO	CLOSET		LLV	LONG LEG VERTI	CAL	SIM
CLR	CLEAR		LONG	LONGITUDINAL		SJI
CMU	CONCRETE MASONRY UNIT		LT	LIGHT		SP
COL	COLUMN		MAS	MASONRY		SPECS
CONC	CONCRETE		MAU	MAKE-UP AIR UNI	<u>T</u>	SS
CONN	CONNECTION		MAX	MAXIMUM		STRUCT
CONST	CONSTRUCTION		MDF	MEDIUM DENSITY		T&B
CONT	CONTINUOUS		ME	MASONRY ELEVA	TION	THK
CU	CONDENSING UNIT		MECH	MECHANICAL		TO
DIA	DIAMETER		MEZZ	MEZZANINE		TOC/TC
DEMO	DEMOLITION		MFR	MANUFACTURER		TOF
DS	DOWNSPOUT		MIN	MINIMUM		TOGB
DTM	DIRECT TO METAL		MISC	MISCELLANEOUS		ТОМ
EAS	EMERGENCY ACCESS SYSTE	M	MO	MASONRY OPENI	NG	TOP/TP
EDC	ELECTRICAL DISTRIBUTION	CENTER	MTE	MATCH EXISTING		TOS
EF	EXHAUST FAN		MTL	METAL		TRANS
EIFS	EXTERIOR INSULATION AND	FINISH SYSTEM	MUTCD	MANUAL ON UNIF	ORM TRAFFIC CONTROL DEVICES	TS
EJ	EXPANSION JOINT		NIC	NOT IN CONTRAC		TYP
EL	ELEVATION		NO	NUMBER	•	UDO
ELEC	ELECTRICAL		NRP		S REINFORCED PLASTIC	UNO
EQ	EQUAL		NS	NEAR SIDE		VERT
ES	EQUIPMENT SUPPLIER		NTS	NOT TO SCALE		VTR
ETR	EXISTING TO REMAIN		OC	ON CENTER		W
EW	EACH WAY		OCH	ON CENTER HOR		WD
EXIST	EXISTING		OCV	ON CENTER HOR		WH
FDN			OD		ER	XFMR
FF	FINISHED FLOOR		ОН	OPPOSITE HAND		
ENGINEER	2	FIRE PROTECTION EN	GINEER		MECHANICAL ENGINEER	
	-					
	N	FIRE FROTECTION EN	GINEER			

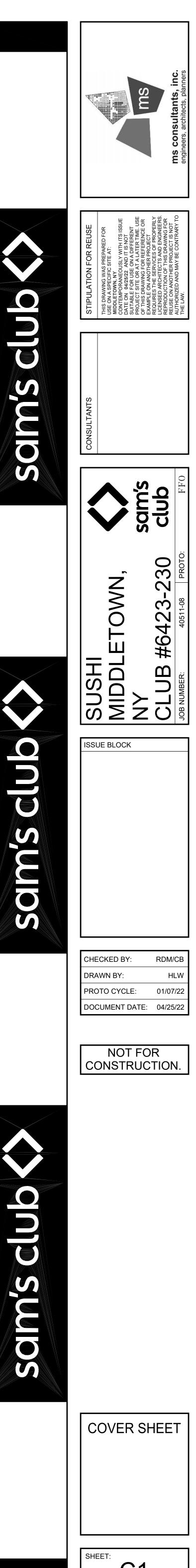
R. Payne, P.E.	Contact: David P. Kimball, PE	Contact: Roy R. Payne, P.E.
Ste 5550	1805 N 2nd St Ste 5238	1805 N 2nd St Ste 5550
2756	Rogers, AR 72756	Rogers, AR 72756
4 phone	(479) 631-5004 phone	(479) 631-5004 phone

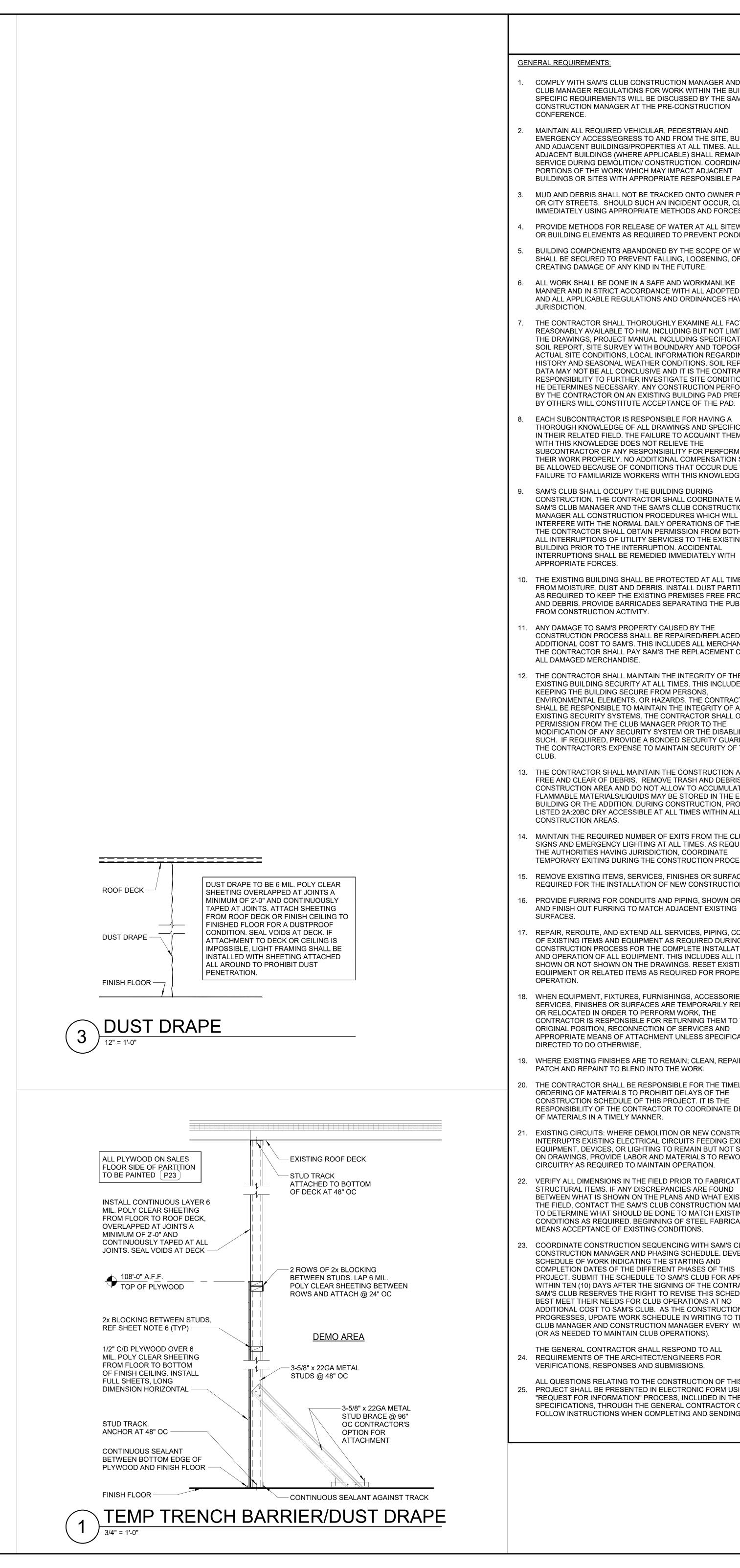
GENERAL SCOPE OF WORK + GENERAL REMODEL: ADDITION OF SUSHI ISLAND WITHIN THE STORE THERE WILL BE NO CHANGE IN USE, OCCUPANCY MEANS OF EGRESS, OR ANY ADDITION TO EXISTING BUILDING AS PART OF THESE REMODEL DOCUMENT _ QUESTIONS RELATED TO THE BIDDING AND ONSTRUCTION OF THIS PROJECT SHALL BE DIRECTED O THE GENERAL CONTRACTOR



	DEFIN	ITION
		SITE HAND
		PATIONAL SAFETY AND HEALTH ADMINISTRATION
		ER ACTUATED FASTENER
		DS PER CUBIC FOOT
	PLAST	IC LAMINATE
	PLATE	
		DS PER LINEAR FOOT
		OULDED EXPANSION JOINT
		DS PER SQUARE FOOT DS PER SQUARE INCH
		SURE TREATED
		/INYL CHLORIDE
	REFEF	
		GERATION
_	REINF	ORCING
	REQUI	
	REVEF	
	REACH	
		GERATION MECHANICAL CENTER
	SCHE	
		DECK INSTITUTE RE FOOT (FEET)
	SIMILA	
		JOIST INSTITUTE
	SPACE	
	SPECI	FICATIONS
	STAIN	_ESS STEEL
		CTURAL
		ND BOTTOM
	THICK	
	TOP O	
		F CONCRETE F FOOTING
		F GRADE BEAM
		F MASONRY
		F PAVING OR TOP OF PANEL
_		F STEEL OR TOP OF STUD
		SVERSE
		STEEL
	TYPIC	
		SS NOTED OTHERWISE
		JAL THROUGH ROOF
	WIDTH	
	WOOD	
_		RHEATER
	TRANS	FORMER
		ELECTRICAL ENGINEER
		Contact: Mathew J. Nichols SUITE 5517, 1805N 2ND ST

ROGERS, AR 72756 (479) 631-5004 phone





- COMPLY WITH SAM'S CLUB CONSTRUCTION MANAGER AND SAM'S CLUB MANAGER REGULATIONS FOR WORK WITHIN THE BUILDING. SPECIFIC REQUIREMENTS WILL BE DISCUSSED BY THE SAM'S CONSTRUCTION MANAGER AT THE PRE-CONSTRUCTION
- MAINTAIN ALL REQUIRED VEHICULAR. PEDESTRIAN AND EMERGENCY ACCESS/EGRESS TO AND FROM THE SITE, BUILDING, AND ADJACENT BUILDINGS/PROPERTIES AT ALL TIMES. ALL ADJACENT BUILDINGS (WHERE APPLICABLE) SHALL REMAIN IN SERVICE DURING DEMOLITION/ CONSTRUCTION. COORDINATE PORTIONS OF THE WORK WHICH MAY IMPACT ADJACENT BUILDINGS OR SITES WITH APPROPRIATE RESPONSIBLE PARTIES.
- MUD AND DEBRIS SHALL NOT BE TRACKED ONTO OWNER PAVING OR CITY STREETS. SHOULD SUCH AN INCIDENT OCCUR, CLEAN IMMEDIATELY USING APPROPRIATE METHODS AND FORCES.
- PROVIDE METHODS FOR RELEASE OF WATER AT ALL SITEWORK OR BUILDING ELEMENTS AS REQUIRED TO PREVENT PONDING.
- BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
- ALL WORK SHALL BE DONE IN A SAFE AND WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH ALL ADOPTED CODES AND ALL APPLICABLE REGULATIONS AND ORDINANCES HAVING
- THE CONTRACTOR SHALL THOROUGHLY EXAMINE ALL FACTORS REASONABLY AVAILABLE TO HIM, INCLUDING BUT NOT LIMITED TO THE DRAWINGS, PROJECT MANUAL INCLUDING SPECIFICATIONS, SOIL REPORT, SITE SURVEY WITH BOUNDARY AND TOPOGRAPHY. ACTUAL SITE CONDITIONS, LOCAL INFORMATION REGARDING SITE HISTORY AND SEASONAL WEATHER CONDITIONS. SOIL REPORT DATA MAY NOT BE ALL CONCLUSIVE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURTHER INVESTIGATE SITE CONDITIONS AS HE DETERMINES NECESSARY. ANY CONSTRUCTION PERFORMED BY THE CONTRACTOR ON AN EXISTING BUILDING PAD PREPARED
- EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE SUBCONTRACTOR OF ANY RESPONSIBILITY FOR PERFORMING THEIR WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
- SAM'S CLUB SHALL OCCUPY THE BUILDING DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH SAM'S CLUB MANAGER AND THE SAM'S CLUB CONSTRUCTION MANAGER ALL CONSTRUCTION PROCEDURES WHICH WILL INTERFERE WITH THE NORMAL DAILY OPERATIONS OF THE CLUB. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM BOTH FOR ALL INTERRUPTIONS OF UTILITY SERVICES TO THE EXISTING BUILDING PRIOR TO THE INTERRUPTION. ACCIDENTAL INTERRUPTIONS SHALL BE REMEDIED IMMEDIATELY WITH APPROPRIATE FORCES.
- 10. THE EXISTING BUILDING SHALL BE PROTECTED AT ALL TIMES FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS AS REQUIRED TO KEEP THE EXISTING PREMISES FREE FROM DUST AND DEBRIS. PROVIDE BARRICADES SEPARATING THE PUBLIC FROM CONSTRUCTION ACTIVITY.
- ANY DAMAGE TO SAM'S PROPERTY CAUSED BY THE CONSTRUCTION PROCESS SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO SAM'S. THIS INCLUDES ALL MERCHANDISE. THE CONTRACTOR SHALL PAY SAM'S THE REPLACEMENT COST OF ALL DAMAGED MERCHANDISE.
- 2. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING BUILDING SECURITY AT ALL TIMES. THIS INCLUDES KEEPING THE BUILDING SECURE FROM PERSONS, ENVIRONMENTAL ELEMENTS, OR HAZARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE INTEGRITY OF ALL EXISTING SECURITY SYSTEMS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE CLUB MANAGER PRIOR TO THE MODIFICATION OF ANY SECURITY SYSTEM OR THE DISABLING OF SUCH. IF REQUIRED, PROVIDE A BONDED SECURITY GUARD AT THE CONTRACTOR'S EXPENSE TO MAINTAIN SECURITY OF THE
- . THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION AREA FREE AND CLEAR OF DEBRIS. REMOVE TRASH AND DEBRIS FROM CONSTRUCTION AREA AND DO NOT ALLOW TO ACCUMULATE. NO FLAMMABLE MATERIALS/LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR THE ADDITION. DURING CONSTRUCTION, PROVIDE UL LISTED 2A:20BC DRY ACCESSIBLE AT ALL TIMES WITHIN ALL CONSTRUCTION AREAS.
- MAINTAIN THE REQUIRED NUMBER OF EXITS FROM THE CLUB, EXIT SIGNS AND EMERGENCY LIGHTING AT ALL TIMES. AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION, COORDINATE TEMPORARY EXITING DURING THE CONSTRUCTION PROCESS.
- REMOVE EXISTING ITEMS, SERVICES, FINISHES OR SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION. . PROVIDE FURRING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH ADJACENT EXISTING
- REPAIR, REROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL EQUIPMENT. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT OR RELATED ITEMS AS REQUIRED FOR PROPER
- WHEN EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, FINISHES OR SURFACES ARE TEMPORARILY REMOVED OR RELOCATED IN ORDER TO PERFORM WORK, THE CONTRACTOR IS RESPONSIBLE FOR RETURNING THEM TO THEIR ORIGINAL POSITION, RECONNECTION OF SERVICES AND APPROPRIATE MEANS OF ATTACHMENT UNLESS SPECIFICALLY DIRECTED TO DO OTHERWISE,
- 19. WHERE EXISTING FINISHES ARE TO REMAIN; CLEAN, REPAIR, PATCH AND REPAINT TO BLEND INTO THE WORK. 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY ORDERING OF MATERIALS TO PROHIBIT DELAYS OF THE CONSTRUCTION SCHEDULE OF THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DELIVERY
- OF MATERIALS IN A TIMELY MANNER. EXISTING CIRCUITS: WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK CIRCUITRY AS REQUIRED TO MAINTAIN OPERATION.
- 22. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF STRUCTURAL ITEMS. IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTACT THE SAM'S CLUB CONSTRUCTION MANAGER TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF STEEL FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.
- 23. COORDINATE CONSTRUCTION SEQUENCING WITH SAM'S CLUB CONSTRUCTION MANAGER AND PHASING SCHEDULE. DEVELOP A SCHEDULE OF WORK INDICATING THE STARTING AND COMPLETION DATES OF THE DIFFERENT PHASES OF THIS PROJECT. SUBMIT THE SCHEDULE TO SAM'S CLUB FOR APPROVAL WITHIN TEN (10) DAYS AFTER THE SIGNING OF THE CONTRACT. SAM'S CLUB RESERVES THE RIGHT TO REVISE THIS SCHEDULE TO BEST MEET THEIR NEEDS FOR CLUB OPERATIONS AT NO ADDITIONAL COST TO SAM'S CLUB. AS THE CONSTRUCTION PROGRESSES, UPDATE WORK SCHEDULE IN WRITING TO THE CLUB MANAGER AND CONSTRUCTION MANAGER EVERY WEEK (OR AS NEEDED TO MAINTAIN CLUB OPERATIONS).
- THE GENERAL CONTRACTOR SHALL RESPOND TO ALL . REQUIREMENTS OF THE ARCHITECT/ENGINEERS FOR VERIFICATIONS, RESPONSES AND SUBMISSIONS.
- ALL QUESTIONS RELATING TO THE CONSTRUCTION OF THIS PROJECT SHALL BE PRESENTED IN ELECTRONIC FORM USING THE "REQUEST FOR INFORMATION" PROCESS. INCLUDED IN THE SPECIFICATIONS, THROUGH THE GENERAL CONTRACTOR ONLY. FOLLOW INSTRUCTIONS WHEN COMPLETING AND SENDING.

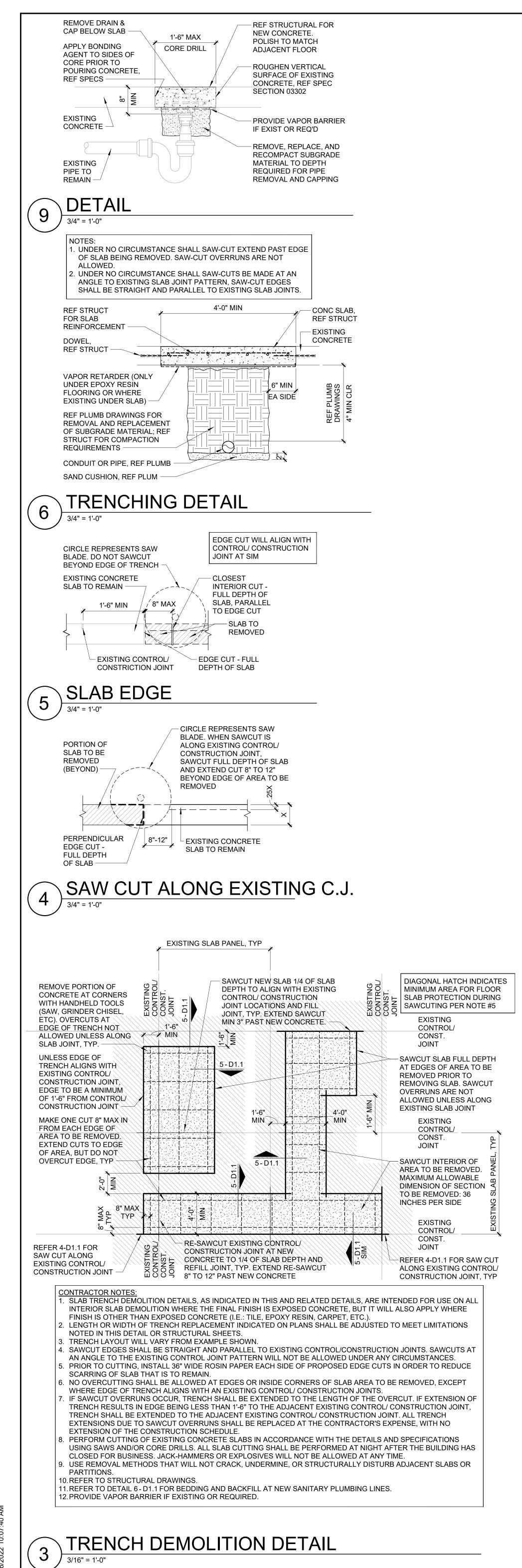
GENERAL PROJECT NOTES (REFER TO SPECIFICATION SECTION 01700 FOR ADDITIONAL REQUIREMENT.

DEMOLITION REQUIREMENTS: **REFER TO DEMOLITION SHEETS:**

- SIGN CONTRACTOR SHALL REMOVE SAM'S INTERNALLY LIT LOGO SIGNS AND ASSOCIATED ANCHORS. GENERAL CONTRACTOR SHALL REMOVE ALL OTHER SIGNS INCLUDING, BUT NOT LIMITED TO, LETTER SIGNS AND ALL GAS STATION SIGNS. GENERAL CONTRACTOR SHALL REPAIR ALL EXISTING SUBSTRATE(S) WHERE SIGNS ARE REMOVED EITHER BY SIGN CONTRACTOR OR BY GENERAL CONTRACTOR PRIOR TO PAINTING.
- PRIOR TO EXCAVATION ADJACENT TO THE EXISTING STRUCTURE, PROVIDE ADEQUATE SUPPORT FOR THE SUB-BASE TO PREVENT UNDERMINING OF THE EXISTING FOUNDATION.
- REFER TO THE SAM'S CLUB CONSTRUCTION MANAGER FOR PHASING AND SCHEDULING OF DEMOLITION AND NEW CONSTRUCTION.
- DURING DEMOLITION AND RECONSTRUCTION, COORDINATE WITH THE SAM'S CLUB CONSTRUCTION MANAGER LOCATIONS OF ANY NECESSARY TRAFFIC SAFETY BARRIERS OR BARRICADES, TEMPORARY DUST PARTITIONS, SECURITY ENCLOSURES, AND/OR DUST DRAPES WITH THE SCOPE AND PHASING OF THE WORK AND THE SAM'S CLUB CONSTRUCTION MANAGER. REFER TO DETAILS ON DEMOLITION SHEETS.
- SEAL PERIMETER OF DUST PARTITIONS AND DOORS TO PREVENT PASSAGE OF DUST. TAPE FASTEN DEPRESSIONS, JOINTS BETWEEN PANELS AND JOINTS BETWEEN PANELS AND FLOORS, CEILINGS AND COLUMNS WITH 2 IN. WIDE PRESSURE SENSITIVE TAPF
- ALL DUST PARTITIONS SHALL HAVE SINGLE ACTING DOORS WITH CLOSURES CLOSING AGAINST GASKETED STOPS ON FRAMES TO REDUCE PASSAGE OF AIR DUST AND MOISTURE. PROVIDE MATS AT DOORS TO REDUCE TRACKING OF DUST. REPLACE OR CLEAN MATS DAILY.
- PROVIDE PANIC HARDWARE AT DOORS IN DUSTWALLS AS REQUIRED TO MAINTAIN ALL REQUIRED EXITS. ALL EXISTING EXTERIOR EXIT DOORS WITH/ PANIC HARDWARE SHALL BE ASSUMED TO BE REQUIRED. COORDINATE TEMPORARY EXITING WITH SAM'S CLUB CONSTRUCTION MANAGER AND LOCAL FIRE DEPARTMENT/BUILDING OFFICIAL.
- REFER TO PLUMBING DRAWINGS FOR ADDITIONAL SLAB DEMOLITION FOR REQUIRED PLUMBING WHICH IS NOT SHOWN ON THE DEMOLITION PLAN.
- SAWCUT AND REMOVE EXISTING EXTERIOR FLATWORK AND g PAVING AS REQUIRED FOR NEW CONSTRUCTION. FIELD VERIFY EXTENTS OF DEMOLITION REQUIRED TO ENSURE POSITIVE DRAINAGE AWAY FROM THE BUILDING WHEN CONSTRUCTION IS COMPLETE, EXTENTS OF DEMOLITION SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR GRAPHIC REPRESENTATION ONLY AND SHALL NOT BE ASSUMED TO DELINEATE ACTUAL LIMITS OF DEMOLITION REQUIRED. REFER TO CIVIL DRAWINGS.
- 10. DO NOT BLOCK OR OBSTRUCT FIRE LANES WITHOUT PRIOR APPROVAL FROM THE FIRE MARSHAL.
- 11. PROTECT EXISTING PAVING AND STRUCTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
- 12. NOTES INDICATING DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.
- 13. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH APPLICABLE OSHA REGULATIONS.
- 14. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF FOUNDATIONS, WALLS, DOORS, ROOFS, CEILINGS, STRUCTURE, FIXTURES, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE SPRINKLER ITEMS AS SHOWN ON THE DRAWINGS OR AS REQUIRED FOR THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB. REPLACE ANY/ALL FLOOR, WALL OR CEILING FINISHES DAMAGED AS A RESULT OF DEMOLITION. MATCH ADJACENT FINAL FINISHES.
- WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW THE FINISH FLOOR. IF THERE IS AN EXISTING CEILING, CAP A MINIMUM OF 6" ABOVE THAT CEILING.
- 16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING AND SUPPORT SYSTEMS AND TO KEEP THE EXISTING STRUCTURE INTACT AND IN A SAFE CONDITION DURING THE REMOVAL OF STRUCTURAL ITEMS AND NEW CONSTRUCTION. THE CONTRACTOR SHALL RETAIN A REGISTERED PROFESSIONAL ENGINEER TO DESIGN THE SHORING OR BRACING AND SPECIFY DEMOLITION PROCEDURES. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR MEANS AND METHODS OF DEMOLITION AND NEW CONSTRUCTION.
- . COORDINATE DEMOLITION WITH NEW CONSTRUCTION IN ORDER THAT THE CLUB WILL HAVE UNINTERRUPTED WATER, SEWER, ELECTRICAL, GAS AND FIRE PROTECTION SERVICE.
- 18. THE GENERAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONCRETE FLOOR CONSTRUCTION BEFORE ANY SAW-CUTTING OR CORE DRILLING INTO THE SLAB. NOTIFY THE ARCHITECT IMMEDIATELY IF SLAB IS REINFORCED WITH POST TENSIONED STEEL. WHERE SAW-CUTTING IS THEN GIVEN APPROVAL BY THE ARCHITECT THE CONTRACTOR SHALL GIVE FULL ATTENTION IN MAINTAINING ALL REINFORCING STEEL INTACT AND TO FOLLOWING ALL ADDITIONAL INSTRUCTIONS FROM THE ARCHITECT.
- 19. ALL DEMO MATERIALS NOT SALVAGED BY SAM'S CLUB SHALL BE REMOVED BY THE CONTRACTOR. COORDINATE WITH SAM'S CLUB CONSTRUCTION MANAGER REGARDING MATERIALS TO BE SALVAGED BY SAM'S CLUB.
- 20. THE CONTRACTOR SHALL USE A WET SAW FOR SLAB SAWING. NO JACK HAMMERS WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM SAM'S CLUB CONSTRUCTION MANAGER.
- 21. WHEN RELOCATION OF TRASH COMPACTORS, BALERS, SATELLITE ANTENNAS AND ATM UNITS ARE REQUIRED, COORDINATE THE SEQUENCE WITH THE SAM'S CLUB CONSTRUCTION MANAGER AND CONTACT THE FOLLOWING: SATELLITE: OWNER TELECOM: (479) 277-3504 COMPACTOR/BALERS/OWNER RECYCLING: (479) 273-8471 (479) 273-8475 ATM UNIT: OWNER FINANCE DEPARTMENT: (479) 273-4528 CONTACT THE OWNER FINANCE DEPARTMENT A MINIMUM OF TWO WEEKS PRIOR TO THE MOVE OR DISCONNECTION OF AN ATM UNIT
- AT COMMENCEMENT OF PROJECT, COORDINATE WITH SAM'S CLUB TO ENSURE ADEQUATE TIME IS PROVIDED FOR THE RELOCATION OF THESE ITEMS.
- 22. AT EXISTING EXTERIOR WALLS TO REMAIN, REMOVE EXISTING ANCHOR DEVICES AT EXISTING SIGNAGE WHICH IS TO BE REMOVED. PATCH WALLS AND FINISH SURFACE TO MATCH EXISTING.
- 23. PROTECT ALL WATER PIPING AT AREAS OF DEMOLITION, EXPANSION AND REMODEL, WHERE EXISTING PIPING IS SUBJECT TO FREEZING. PROTECT PIPING SO AS NOT TO FREEZE.
- 24. CONDUCT ALL DEMOLITION AND REMOVAL OF DEBRIS AS REQUIRED TO INSURE MINIMUM INTERFERENCE AND DISRUPTION WITH BUILDING/SITE FACILITIES AND OPERATIONS. REMOVE DEMOLISHED MATERIALS FROM SITE AND LEGALLY DISPOSE OF ALL DEBRIS.

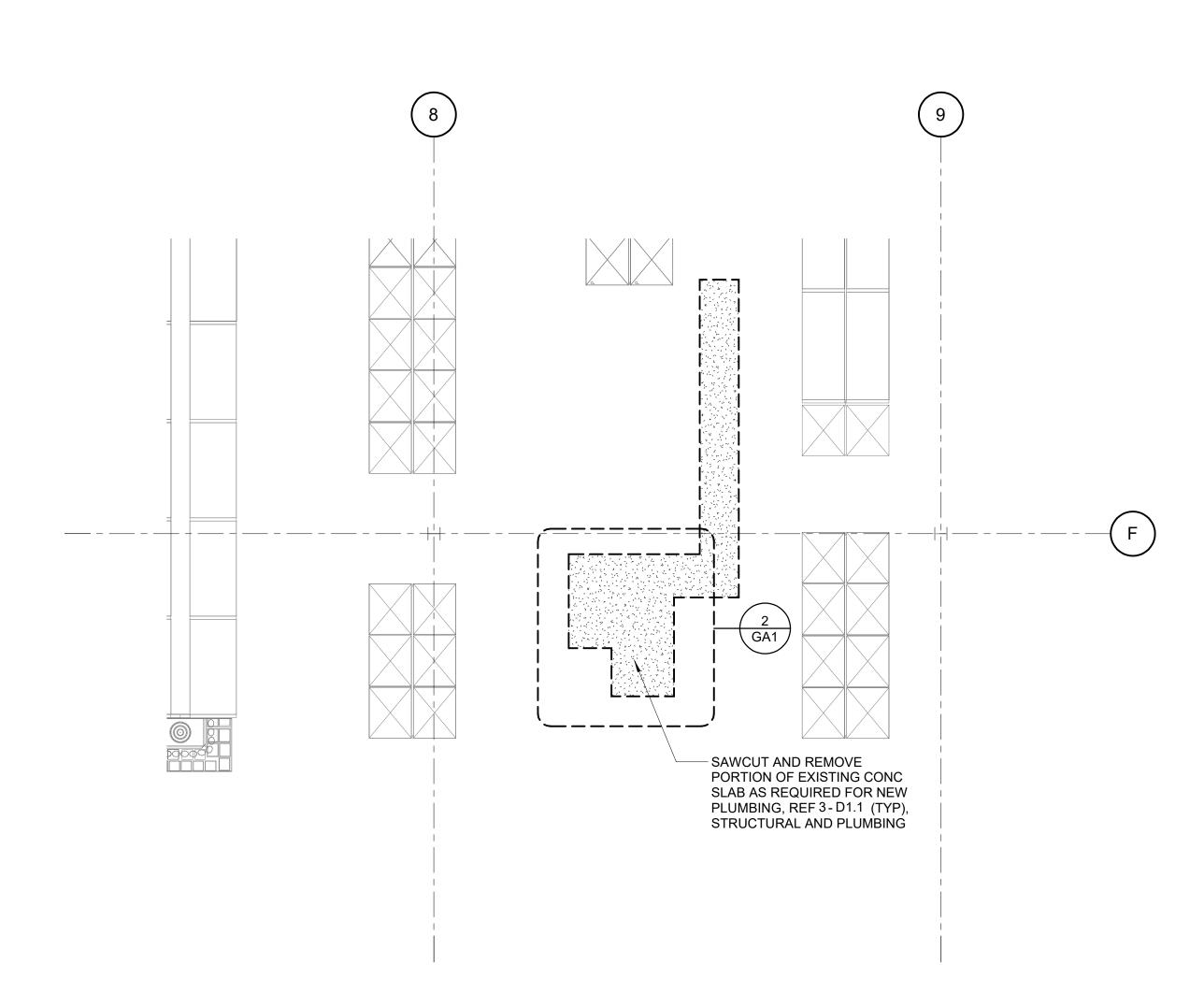
- THE ARCHITECT HAS M EXISTING CONDITIONS DRAWINGS ARE BASE AS VERIFIED IN THE FI SURVEY. IT REMAINS T CONTRACTOR TO VER PRIOR TO THE SUBMIS COMMENCEMENT OF A COMPENSATION WILL CONTRACTOR'S FAILU WITH EXISTING SITE A INCLUDING, BUT NOT L PAVING OR UTILITIES.
- THESE CONTRACT DO AND DRAWN ASSUMIN MATCH THE ORIGINAL WELL AS THOSE FROM PROJECTS. THE GENE UPON ARRIVAL AT THE STRUCTURAL COLUMN BEARING HEIGHTS, EXIS MASONRY ELEVATIONS AND ROOFING CONDIT SCUPPERS, AND ROOF FABRICATION OF ANY BEGINNING OF STRUC THE GENERAL CONTRA
- ACCEPTANCE OF THE THE UTILITY LOCATION THE CONTRACTOR SHA LOCATION OF ALL EXIS SHOWN OR NOT) PRIO OR THE COMMENCEME CONTRACTOR SHALL CONSTRUCTION MANA **EXISTING UTILITIES NO** DRAWINGS.
- IF DISCREPANCIES ARE FIELD CONDITIONS AND DRAWINGS, OR IF DISC THE CONSTRUCTION E CLUB CONSTRUCTION THROUGH THE RFI (RE PROCESS TO DETERM TO SPECIFICATION SE SHALL ONLY BE ALLOV
- THE CONTRACTOR SHA ALL PROPERTY LINES, **RESTRICTIONS. A REGI** ESTABLISH ALL PROPE TO THE COMMENCEME CLEARLY FLAG. IT REM

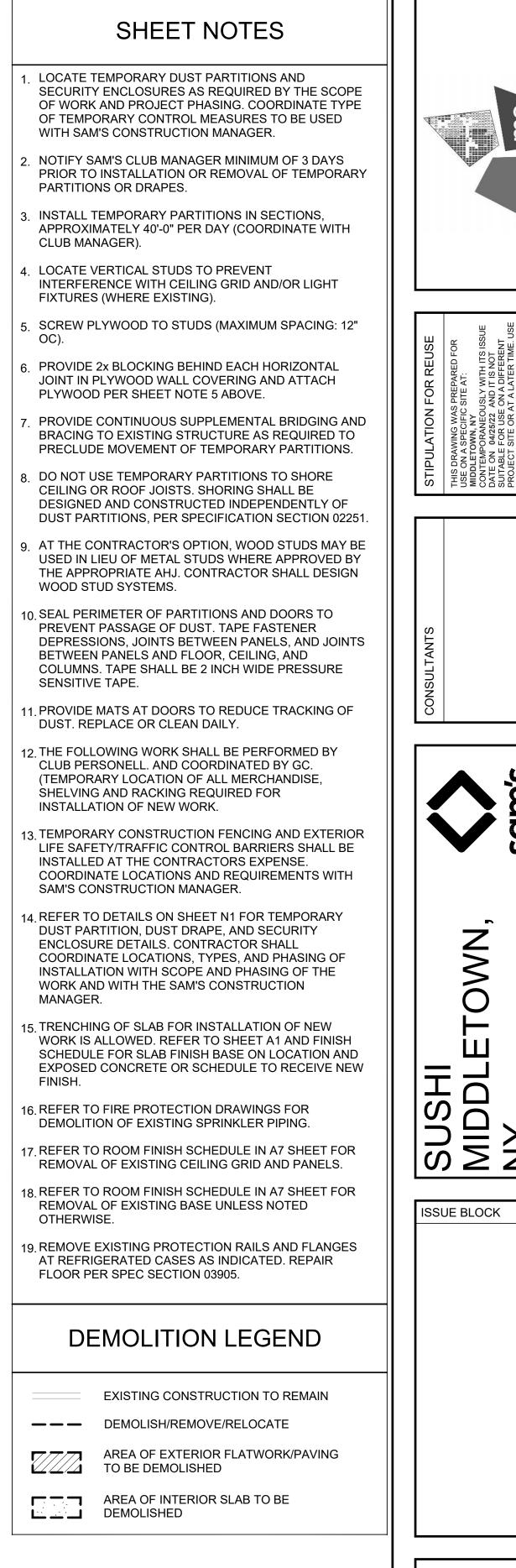
	PARTITION NOTES	
MASONRY ELEVATIONS, JOIST BEARING ELEVATIONS, AND ROOFING CONDITIONS (INCLUDING PARAPETS, SCUPPERS, AND ROOF DRAINS) PRIOR TO THE FABRICATION OF ANY STRUCTURAL ITEMS. THE BEGINNING OF STRUCTURAL STEEL FABRICATION BY THE GENERAL CONTRACTOR, STEEL SUPPLIER, STEEL FABRICATOR, OR JOIST MANUFACTURER INDICATES	 STUDS CONTINUE TO DECK UNO. REF CAPTURE TRACK DETAIL 4-N1 FOR DEFLECTION REQUIREMENTS. USE 1/2" GYPSUM BOARD ON NON-RATED PARTITIONS UNO. CONTINUE FINISH MATERIAL TO A MINIMUM OF 4" ABOVE SUSPENDED CEILING OR TOP OF STUDS WHICH EVER IS LESS, UNO. REF PARTITION KEY SYMBOL FOR STUD WIDTHS. WHERE NO CEILING IS INDICATED, CONTINUE FINISH TO FULL HEIGHT OF PARTITION. MAINTAIN CLEARANCE BELOW STRUCTURE PER DEFLECTION TRACK DETAILS. STUD PARTITIONS REQUIRING A FIRE-RATING OF ONE HOUR SHALL COMPLY WITH UL#415, U420 OR U465. MASONRY PARTITIONS REQUIRING ONE HOUR FIRE RATING SHALL COMPLY WITH UL #1905. REF FOR MAXIMUM HEIGHT OF NON LOAD- BEARING WALL ABOVE HEADER. REF SPECIFICATIONS FOR LATERAL BRACING OF STUD PARTITIONS. USE 1/2" WATER RESISTANT GYPSUM BOARD ON 1/2" 5-PLY PLYWOOD BEHIND ALL CERAMIC (AND/OR POORCE (AIN) THE E DEF AT EOD THE E SUBEACE 	STIPULATION EURC THIS DRAWING WAS PREPARED FOR USE ON a SPECIFIC SITE AT: MIDDLETOWN, NT CONTEMPORANEOUSLY WITH ITS ISSUE SUITABLE FOR ISSUE MIDDLETON AND ITS ISSUE SUITABLE FOR OUTS ISSUE CONTEMPORANE FOR OUTS ISSUE MIDDLETON AND AND AND AND AND AND AND AND AND AN
 ACCEPTANCE OF THE EXISTING CONDITIONS. THE UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF HIS BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE SAM'S CONSTRUCTION MANAGER OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON THE DRAWINGS. IF DISCREPANCIES ARE FOUND BETWEEN EXISTING FIELD CONDITIONS AND WHAT IS SHOWN ON THE DRAWINGS, OR IF DISCREPANCIES ARE IDENTIFIED WITH THE CONSTRUCTION DOCUMENTS, NOTIFY THE SAM 'S CLUB CONSTRUCTION MANAGER AND THE ARCHITECT 	 PORCELAIN) TILE. REF A7 FOR TILE SURFACE LOCATIONS. 10. USE 1/2" WATER RESISTANT GYP BOARD BEHIND FRP BOARD WHEN NEW SUBSTRATE IS REQUIRED. REF A7 FOR FRP SURFACE LOCATIONS. 11. PROVIDE FIRE BLOCKING AT FLOOR AND ROOF LEVELS, CONCEALED SPACES BETWEEN STAIRWAY STRINGERS, PENETRATIONS IN FLOOR/CEILING ASSEMBLIES AND OTHER LOCATIONS AS REQUIRED BY CODE. 	CONSULTANTS
CLUB CONSTRUCTION MANAGER AND THE ARCHITECT THROUGH THE RFI (REQUEST FOR INFORMATION) PROCESS TO DETERMINE ACTION TO BE TAKEN, REFER TO SPECIFICATION SECTION 01255, MODIFICATIONS SHALL ONLY BE ALLOWED BY WRITTEN APPROVAL FROM THE ARCHITECT.	PARTITION LEGENDU ITTER PARTITION TARE PARTITION TARE PART	CHECKED BY: RDM/CMB CHECKED BY: RDM/CMB DRAWN BY: HLW PROTO CYCLE: 01/07/22 DOCUMENT DATE: 04/25/22
	WHERE NO CEILING INDICATED OR AT RATED WALLS CONTINUE GYPSUM DOARD TO DECK METAL STUDS METAL STUDS GYPSUM BOARD, USE 5/8" FIRE RATED GYPSUM BOARD ON FIRE RATED PARTITIONS USE 1/2" WATER RESISTANT GYP BOARD BHIND CERAMIC TILE OR FP, USE 5/8" FIRE RATED MATER RESISTANT GYP BOARD ON FIRE RATED PARTITIONS, UNO Interfire RATED WHERE Indicated ull #u465	

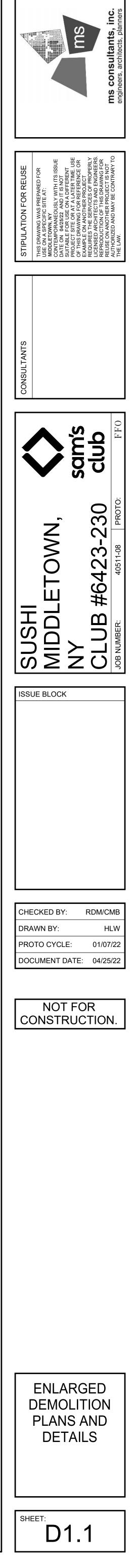


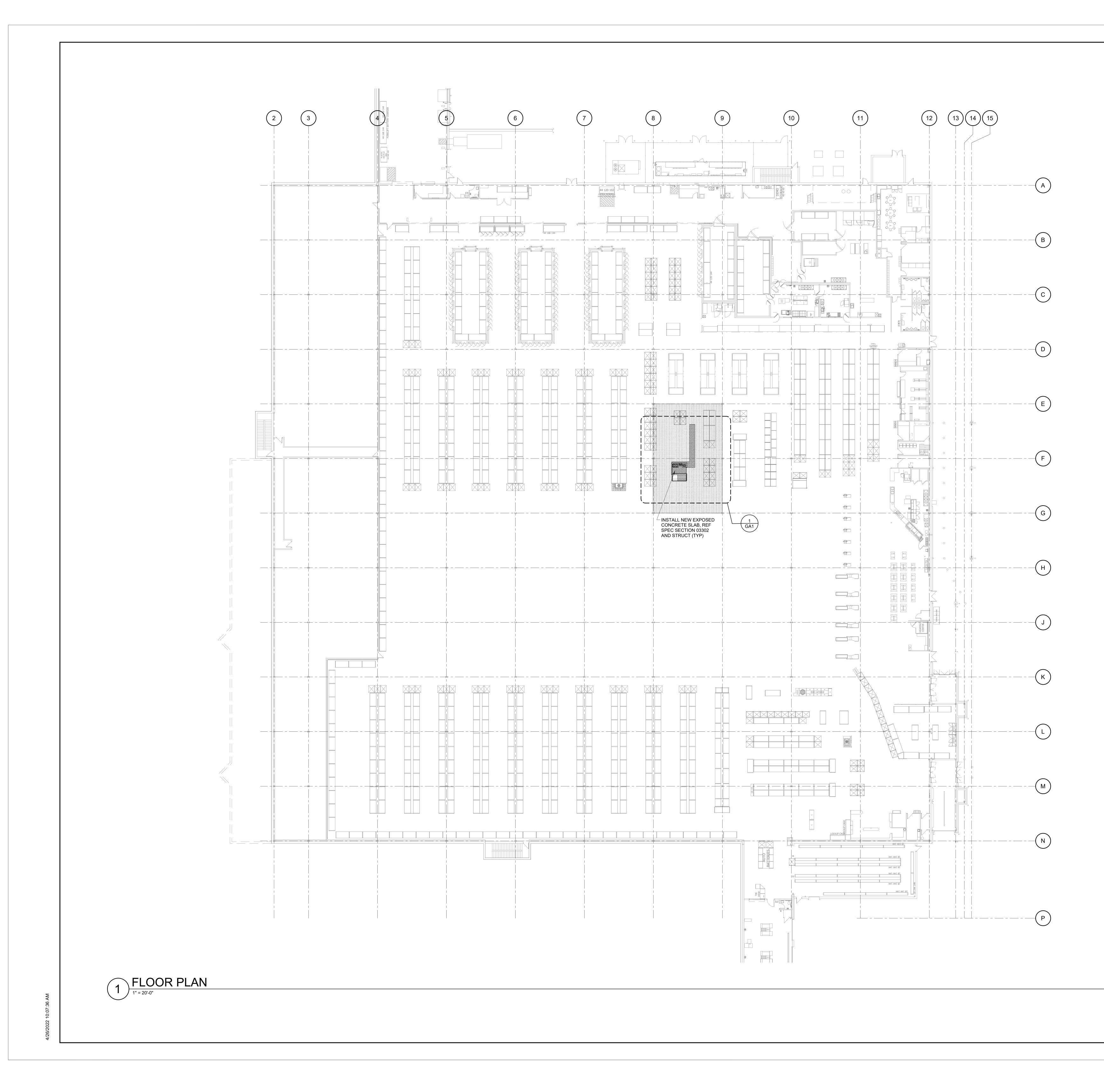
→D1.1-01 1/8" = 1'-0"

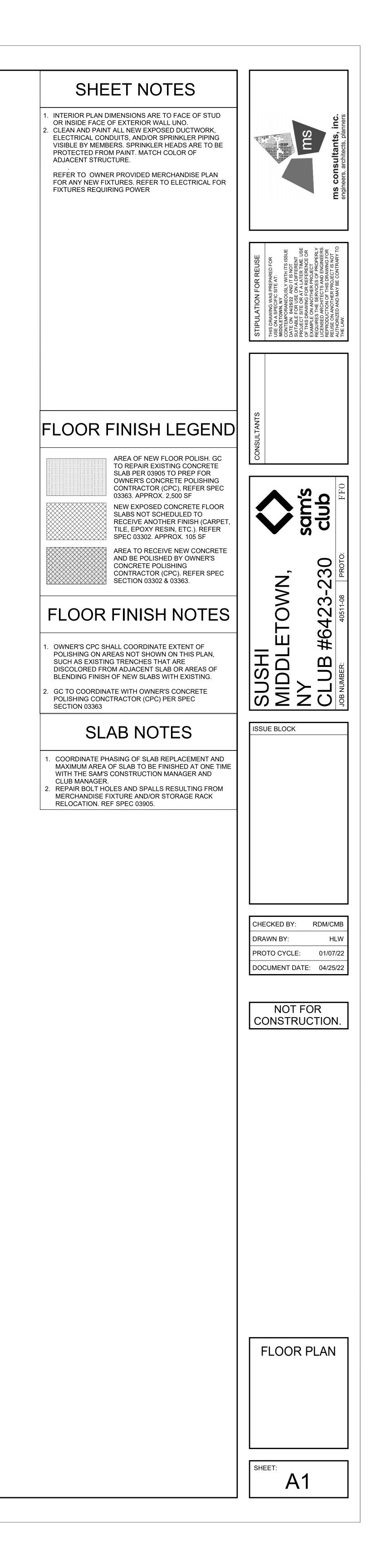
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OOM FINISH SCHEDULE NOTES: (MASTER NOTES LIST, NOT ALL NOTES MAY BE USED)	-				I	ROOM FIN	ISH SCHEDULE						
PROVIDE SOUND BATT INSULATION IN TOILET WALLS AND OTHER WALLS AS SHOWN ON PLAN.	PLAN REFERENCE B CEILINGS												
PROVIDE 5/8" TYPE "X" GYPSUM BOARD AT FIRE-RATED WALLS SHOWN ON PLAN. PROVIDE FIRESTOPPING AT ALL FIRE-RATED WALL PENETRATIONS AND AT ROOF DECK.		AN REFERENCE RIENTATION C	FLOOR	Α		В	WALL		D		CEILII	CEILING	
PROVIDE LIGHT BROOM FINISH TO CONCRETE FLOOR.	RM #			ASE MAT FINISH	BASE M	AT FINI	SH BASE MAT I	INISH BAS	E MAT	FINISH N			NOTES
PROVIDE PLASTIC BASE AT LANDINGS ONLY TO MATCH ADJACENT WALLS. NOT OVER STRINGERS.							BASE MAI						NOTES
MATCH CEILING HEIGHT OF MEZZANINE HALLWAY, ROOM 202.	9 GROCERY												
PROVIDE PLASTIC BASE AT GYPSUM BOARD PARTITIONS ONLY.		SUSHI TENANT	ETR,EC1 S	CB5 T FRP1			SCB5 T	FRP1 SCB5	Т	FRP1 A	ACT5	10'-0"	29,30,39
PROVIDE PLYWOOD WAINSCOT. REFER TO PLANS FOR LOCATION AND HEIGHT.	-	-	, -										- , - ,
REPLACE CARPET, TRANSITION STRIP, AND VINYL BASE INSIDE EXISTING SOUND BOOTH. INSTALL B4 VINYL BASE.													
CONCRETE FLOOR TO HAVE SEAMLESS EPOXY FLOORING IS TO HAVE A ROUGHENED FINISH.													
AT INTERIOR BASES OF COOLER/FREEZER BOXES WITH SEALED CONCRETE FLOORS, INSTALL CONTINUOUS SILICONE CAULK BEAD WITH FINGER COVE WHERE WALL PANELS MEET CONCRETE SLAB.													
CEILING HEIGHT INDICATED IS TO THE TOP OF WALK-IN COOLER/FREEZER BOX (SUBTRACT 5" FOR INTERIOR HT).													
IF THE SITUATION OCCURS THAT THE SEAMLESS FLOORING MUST BE INSTALLED BEFORE CASES ARE SET, DETERMINE APPROXIMATE LINE OF BACK EDGE OF CASE AND RUN EPOXY FLOORING 12" BEYOND THIS LINE. SEAL BASE OF CASE TO FLOORING.													
NEW COOLER WALL PANELS TO HAVE FACTORY LAMINATED FRP FINISH (NIC).													
REFERENCE DETAIL 13-GA3 FOR SEAMLESS EPOXY FLOOR/ FRP PANEL TRANSITION.	_												
PROVIDE SOUND BATT INSULATION ABOVE CEILING SYSTEM. (INCLUDE AT CASH ROOM IF NEW CEILING, OR IF CEILING IS REPLACED.)													
NOT USED.	1												
INTERIOR WALLS (UNO) TO HAVE ORANGE PEEL TEXTURE.	1												
WATER RESISTANT GYP BOARD WITH FRP1 FINISH AT PLUMBING CHASE ONLY. REFER CHASE DETAIL. PAINT WALLS P35 UP TO 48" AFF. PAINT WALLS P23 ABOVE 48" AFF. REFER TO ENLARGED PLANS FOR	-												
LOCATIONS PAINT WALLS P24 TO 48" AFF. PAINT P23 ABOVE 48" AFF. REF PLANS FOR LOCATIONS.	4												
PAINT ALL WALLS P24 TO 96" AFF. PAINT P23 ABOVE 96" AFF.													
REMOVE EXISTING FRP WALL FINISHES TO BARE STUDS UP TO THE CEILING.	1												
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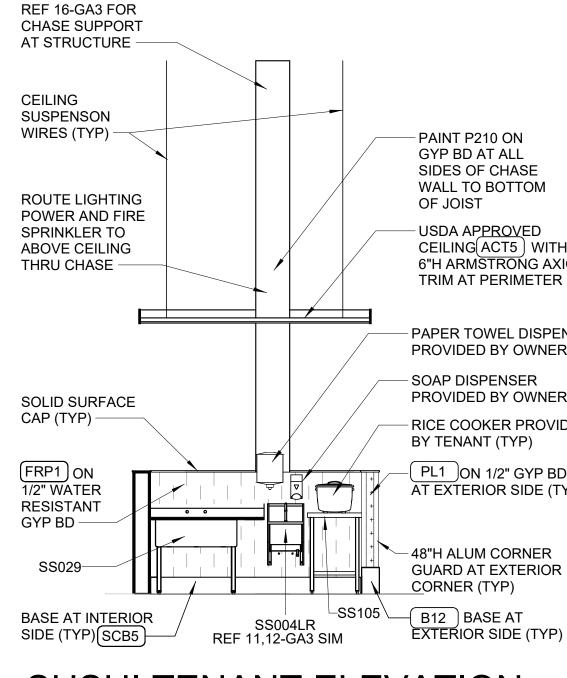
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	10'-0"	29,30,39

merces, planners
STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: USE ON A SPECIFIC SITE AT: MIDDLETOWN, NY CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 04/25/22 AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.
CONSULTANTS
SUSH MIDDLETOWN, NY NY CLUB #6423-230 CLUB #7500 CLUB #7500 CLUB #7500 CLUB #7500
CHECKED BY:RDM/CMBDRAWN BY:HLWPROTO CYCLE:01/07/22DOCUMENT DATE:04/25/22
NOT FOR CONSTRUCTION.
ROOM FINISH
AND DOOR SCHEDULES AND DETAILS

	REFRIGERATIO	N RESP	ONSIE		S MATRIX _ SCOPES MAY NOT BE USED)
	SCOPE OF WORK	BOX BATTEN AND SEAL	BOX RE-LINE	BOX REPLACEMENT	REFERENCE
REMO	VE PRODUCT	ow	ow	ow	
	DE TEMP REFRIGERATED AGE AS NECESSARY	OW	OW	OW	
TEMP	CASE LINEUP	GC	GC	GC	
SHUT I	DOWN BOX	GC	GC	GC	
REMO	VE RACKING	OW	OW	OW	
ANCHO	VE UTILITIES AND RACK DRS AS NECESSARY ENSATE PIPING, CONDUIT,	GC	GC	GC	CONSTRUCTION DOCUMENTS E AND R SHEETS
APX RI	EPEATER REMOVAL	GC	GC	GC	
	VE REFRIGERATION DRATOR	N/A	N/A	GC	CONSTRUCTION DOCUMENTS R SHEETS
BATTE	N AND SEAL BOX	PS	N/A	N/A	CONSTRUCTION DOCUMENTS GA SHEETS
RE-LIN CEILIN	E BOX AND BATTEN G	N/A	PS	N/A	CONSTRUCTION DOCUMENTS GA SHEETS
REMO	VE BOX (INCLUDING DOORS)	N/A	N/A	PS	CONSTRUCTION DOCUMENTS GA SHEETS
REPLA NECES	CE THERMAL BREAKS AS SSARY	N/A	N/A	GC	CONSTRUCTION DOCUMENTS GA SHEETS
PROTE	VE AND REPLACE BOX ECTION (BOLLARDS, ES, CONC CURBS)	GC	GC	GC	CONSTRUCTION DOCUMENTS GA SHEETS
INSTAL	L NEW BOX	N/A	N/A	PS	SPEC: 15600 OWNER FURNISHED AND INSTALLED PRODUCTS
	L REFRIGERATION DRATOR	N/A	N/A	GC	SPEC: 15600 CONTRACTOR RESPONSIBILITIES
LEAK [DETECTION SYSTEM	N/A	N/A	GC	SPEC: 15600 CONTRACTOR RESPONSIBILITIES
-	Y UTILITIES FOR FINAL ONFIGURATION	GC	GC	GC	SPEC: 15600 CONTRACTOR RESPONSIBILITIES
RE-INS	STALL RACKING	OW	OW	OW	
ANCHO	OR RACKING	GC	GC	GC	CONSTRUCTION DOCUMENTS FXS SHEETS
	LEGEND				
GC	GENERAL CONTRACTOR AND SUB-CONTRACTORS				
WO	OWNER				
PS	PANEL SUPPLIER				

N/A NOT APPLICABLE





- PAINT P210 ON GYP BD AT ALL SIDES OF CHASE WALL TO BOTTOM OF JOIST – USDA AP<u>PROV</u>ED

CEILING(ACT5) WITH 6"H ARMSTRONG AXIOM TRIM AT PERIMETER

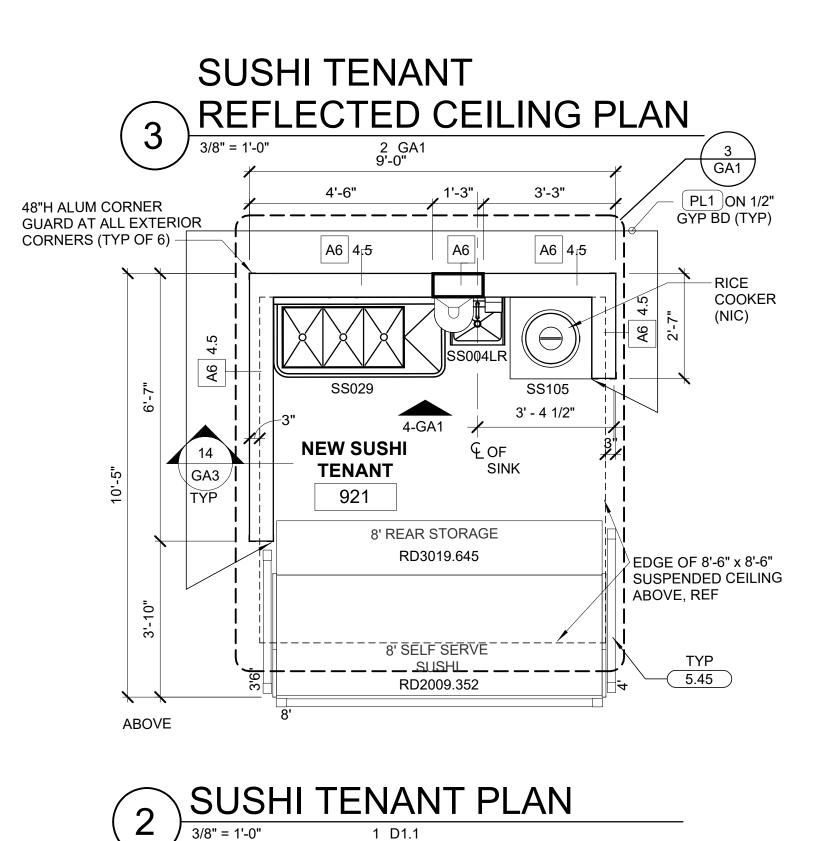
- PAPER TOWEL DISPENSER PROVIDED BY OWNER - SOAP DISPENSER PROVIDED BY OWNER - RICE COOKER PROVIDED BY TENANT (TYP) PL1 ON 1/2" GYP BD AT EXTERIOR SIDE (TYP)

- 48"H ALUM CORNER GUARD AT EXTERIOR SS105 BASE AT

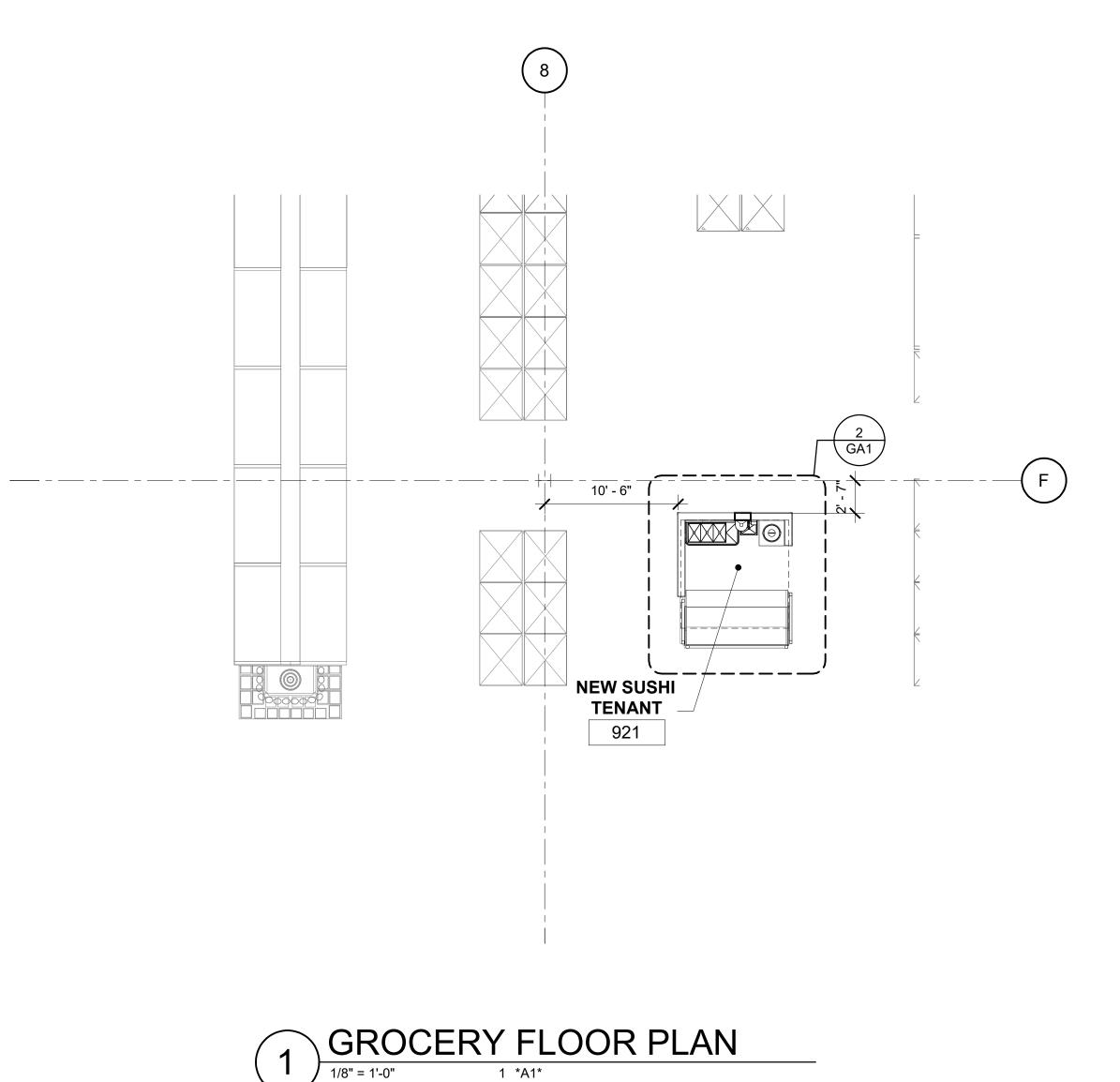
SUSHI TENANT ELEVATION

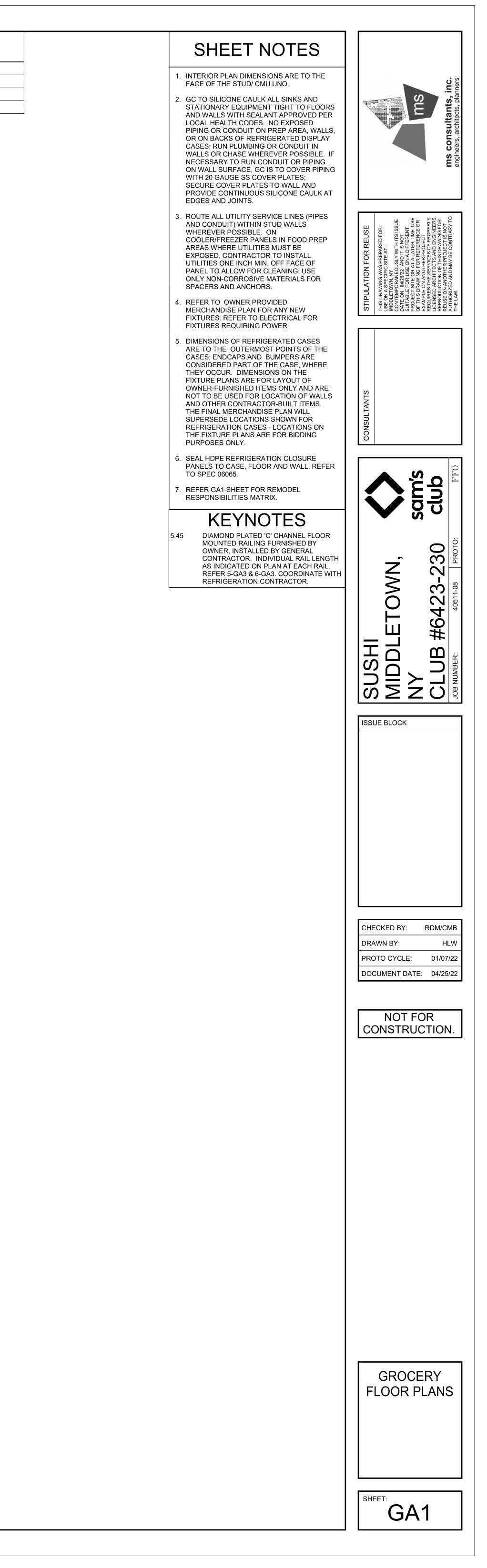
4 1/4" = 1'-0" 1 *A1* 4'-3 1/2" 1'-3" 2'-11 5/8" CHASE TO BOTTOM OF JOIST -8'-6" EQ EQ \times a ш 4-GA1 ACT5 \times

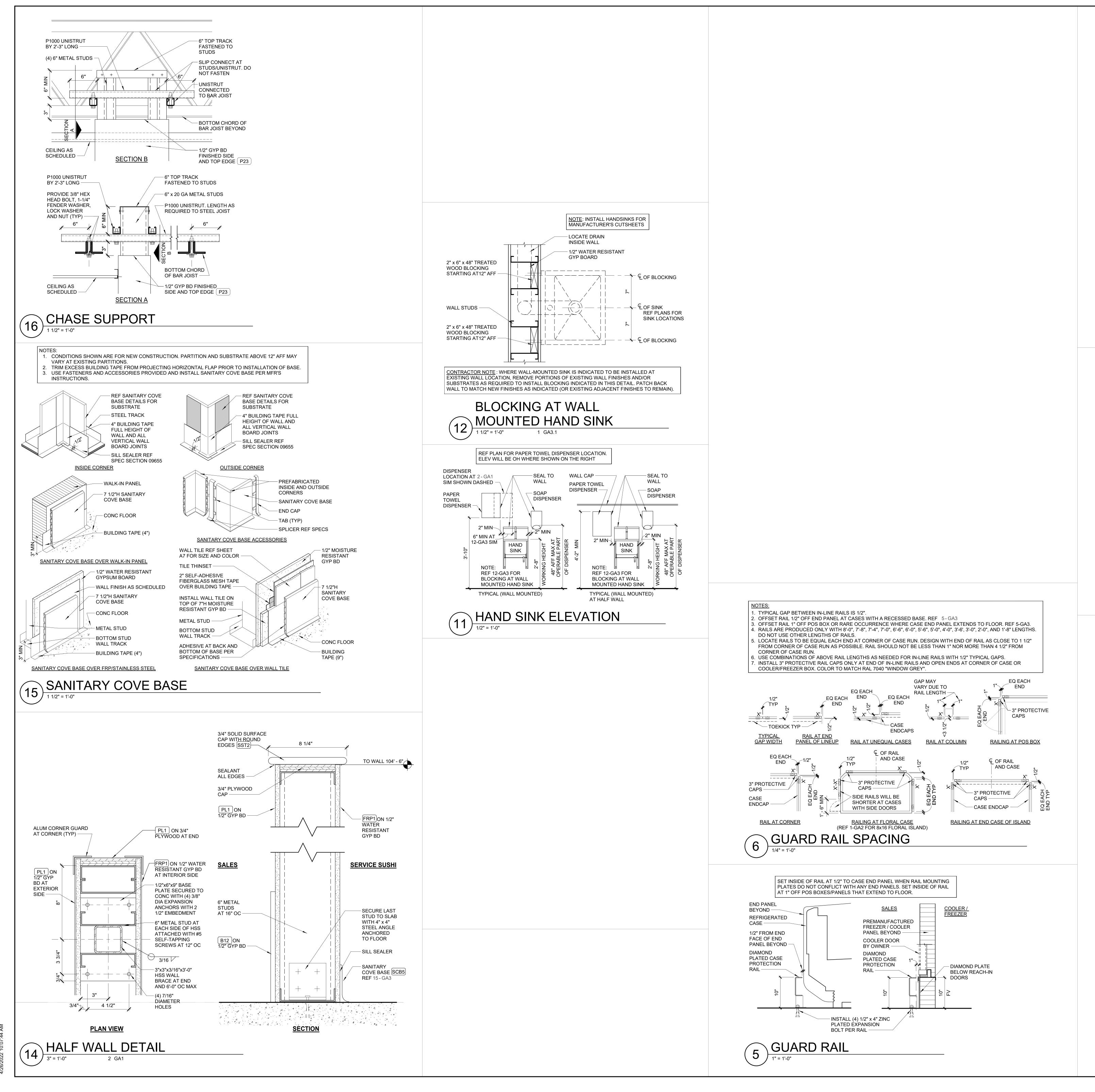
- RUN POWER AND SPRINKLER LINE THRU CHASE TO ABOVE CEILING FOR LIGHT FIXTURES AND SPRINKLER HEAD. REF FP AND E SHEETS -6"H ARMSTRONG AXIOM TRIM AT PERIMETER

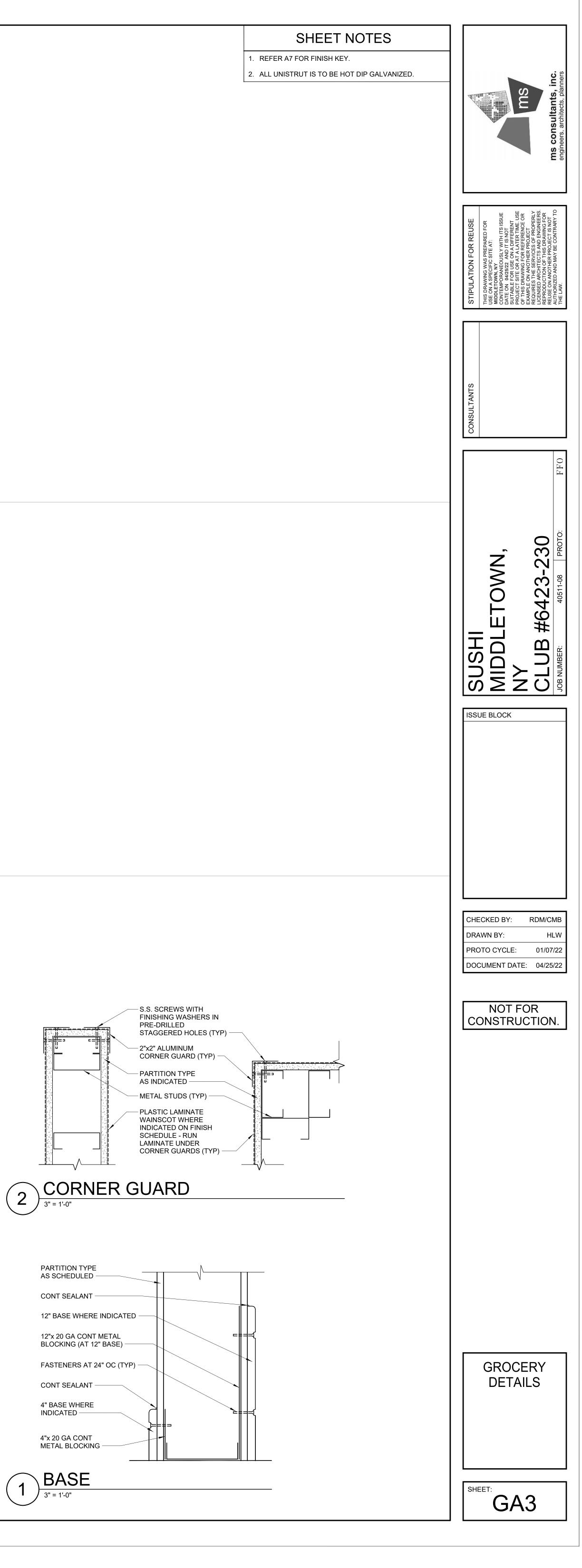


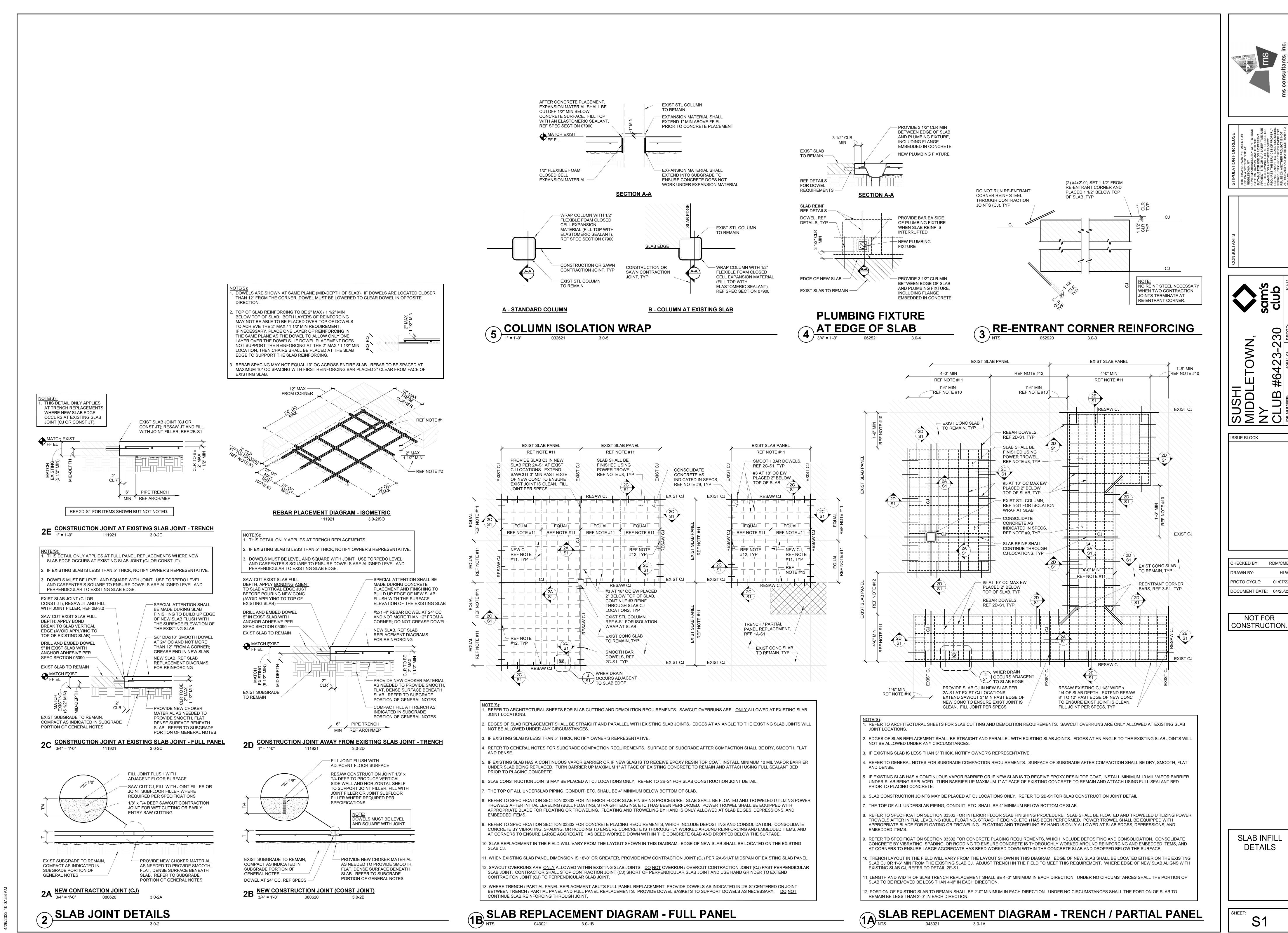
		REFR	IGERATED AND HOT DISF	PLAY CASES LEGEND					ABBREVIATION KEY
	CASE								
οτν	LENGTH- DOOR NO	LABEL	DESCRIPTIO		ACTURER	MODEL NUMBER	NOTES	ES	EQUIPMENT SUPPLIER
1	8FT	SUSHI	SELF-SERVICE	HUSSM		Q2-SPN	18,19,25	GC	GENERAL CONTRACTOR
1	8FT	SUSHI	SERVICE REAR STORA			Q3-SP-RRS	18,19,25	ow	OWNER
		·	STAINLESS STEEL EQUIP					RC	REFRIGERATION CONTRACTOR
		DESCR	-			Model	NOTES	-	
1	LH & RH SF) WALL MOUNTED WITH	WIN-HOLT EQUIPME	INT GROUP	100519905	8		
1			(12X18) WITH RH 12IN DB	WIN-HOLT EQUIPME	NT GROUP	100638844	2	-	
1	TABLE 24X	24X36H FLAT 1	OP WITH UNDERSHELF	WIN-HOLT EQUIPME	NT GROUP	100016457			
			GENERAL EQUIPME	NT NOTES					
) BY OWNER. II	NSTALLED BY THE GENER	RAL CONTRACTOR.	GENERAL C	ONTRACTOR TO MA	AKE		
			ED OTHERWISE.		02.12.012.0				
			EQUIPMENT N	OTES (ALL NOT	<u>ES MAY N</u> O	T BE USED.)			
FO	R EQUIPME	NT LOCATION.							
ENT	PREP SINK	KS & MOP SINK	S TO BE FURNISHED WIT	H FAUCETS WITH IN	TEGRAL CH	ECK VALVES.			
			IICK AT COOLERS OR PR			LESS. ALL COOLER	S OVER		
			HAVE WALLS 5" THICK U			010			
			HOWN ARE FOR POSSIBL						
			ATED WHITE EXTERIOR, ' IDOW FRAMES ONLY, REI			COLOR DANDS.			
			NTRACTOR. BOTTOM OF		•				
			R FURNISHED SOAP AND		PENSER. RI	EF 11- GA3FOR MO	UNTING		
			LERS BY JV MFG (CRAM-/	A-LOT), OR PHILADEL	PHIA TRAM	IRAIL. REF GROCER	Y		
		DDEL INFORMA	TION.						
-	LIED BY OV								
			PPLIEK.						
	LLED BY O	WNER. L RACKING IS I							
			RAW PRODUCE ONLY, AN						
		E AND WAREV		ID SHALL NOT DE US			-,		
			WEAT OPTION. PROVIDE RAIN(S); REFER TO MEP/R		NDENSATE	DRAIN AND HEATER	2.		
UPF	LIED TO HA	VE CLEAR CO	ATED WHITE EXTERIOR,	WITH BLACK INTERIC		COLOR BANDS.			
TED	INCLUDES	SINK LOCATE	O IN TIRE AND BATTERY (CENTER (REFER TIRE	E CENTER F	PLAN IF NOTED).			
			ED CASE PER MANUFAC						
UPF			ATED WHITE EXTERIOR, V						
			PANGLED SILVER PAINTE		BLACK TRIM	I AND BLACK INTERI	ORS.		
			K BAR EQUIPMENT LOCA						
5 SN	NDOR SUP	PLIED VALANC	E AT MD CASE WHEN RE	FRIGERATION AND E	ELECTRICA	IS TOP FED.			
5 SN L VE									
5 SN IL VE ON <i>F</i>	ND ELECT	RICAL TO BE B K BAR/CAFE)	OTTOM FED AT MD CASE	WHEN BULKHEAD D	OES NOT A	LLOW FOR VALANC	E		











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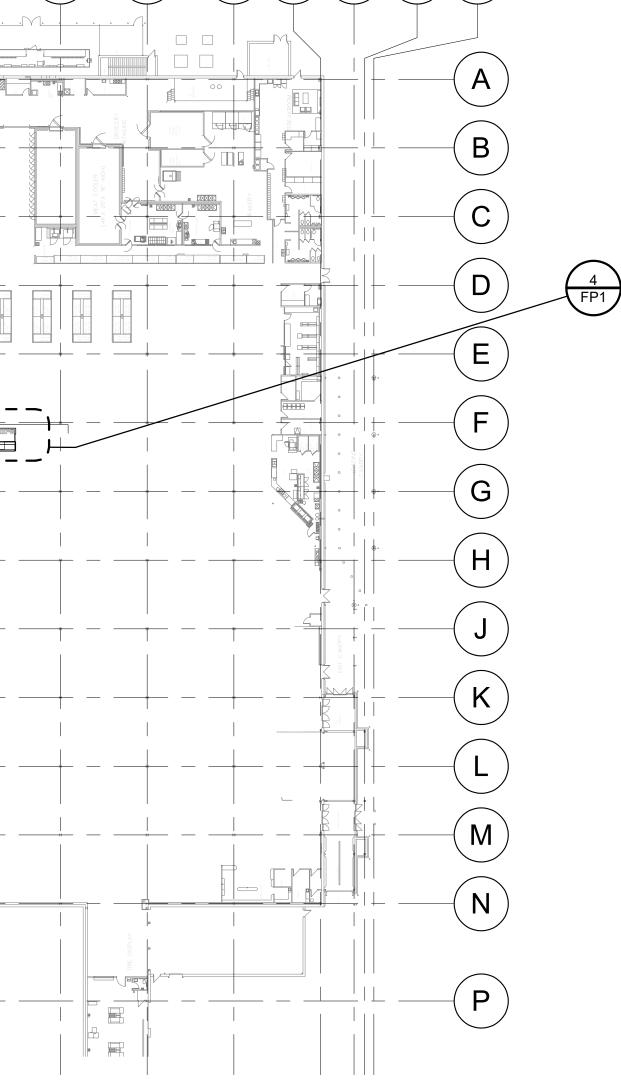
RDM/CMB

01/07/22

>

 \square

NOTE TO CONTRACTOR: PROVIDE A SIGN WITH THE FOLLOWING STATEMENT AND ATTACH TO THE TOP OF THE SUSHI CELLING. "RELEXIBLE DROP IS PRESURIZED. PRIOR TO REMOVING FIRE SPRINKLER DRAIN FIRE PROTECTION SYSTEM AND 1" DROP"		COI
		NTRACT
		OR T(ROO
		O PROM.
TYG0 TYG1 TYG1 WHITE EPECSAED 15 54 SPACE SURMIKE FRASHER NEFA 13, 10 BE LOCATED IN SPRING ER CARMETS IN Image: transmission of the trans		VIDE
CO 1746 17221 WHITE RECENTION 15 56 E BERNALERS FERNEPA 13, TO BE LOCATED IN SPRIMILER CABINE IS IN 11 TEC WITH FLUG UP of the second secon		SPAR
		E SPR
Image: Note: In Section 16 100 <		INKLERS
THE WITH RECENT IN THE WITH PLUS THE WITH PLUS T		S PEF
1 WHITE RECERSION 155 50 3 10 DE LOCATED IN SPRINKLER CARRELTS IN ITTEE WITH PLUG Internet in the second		R NFPA 2
WHITE HECCOSTED OF G 6.0 IFE LOCATED IN SPRIMUE PR CAMPETER IN Image: Contraction of the service of the se		13, TC
It TEE WITH PLUG USE IN SPRINCLER CABINETS IN It TEE WITH PLUG PIPES It TEE WITH PLUG PIPES PROJUNCE SSEN WITH THE DESTRICT ON SPRINCLES SSEN WITH THE DESTRICT ON SPRINCLES PROFESSIONED PROF) BE LC
In SPRINCLER CABINETS IN IN SPRINCLER CABINETS IN IN SPRINCLER CABINETS IN NOTE TO CONTRACTOR ROWDE A SIGN WITH THE ALLOWNES SITE MAND SUBH CELL SUBH	P FC AT	DCATE
1* TEE WITH PLUG SUPPL 1* TEE WITH PLUG PIEE S 10 CONTRACTOR: SUPPL 10 STATEMENT AND OTHER DO FOR THE DO FOR THE SUBLE DROP TO HE ROP TO FOR THE SUBLE DROP TO	ROVIDI DLLOWI TACH T S "FLE PRESS EMOVI	D IN SF
TRACTOR ER CABINETS IN ER CABINETS IN INTERACTOR NUMBER IN SUPPLY INTERACTORI	TO CO E A SIG ING ST O THE USHI C EXIBLE URIZEI NG FIR	PRINKL
PLUG INETS IN PLUG PLUG PLUG PLUG PLUG TOR THE S TO WLER S TO WLER S TO WLER S TO WLEN S TO S S TO S S S TO S S S TO S S S S S S S S S S S S S	NTRAC N WITH ATEMEI TOP OF EILING DROP I D. PRIO E SPRII	ER CAE
	TOR: I THE NT ANE F THE IS R TO NKLER	BINETS
		IN
	SUPPLY PIPE SP	



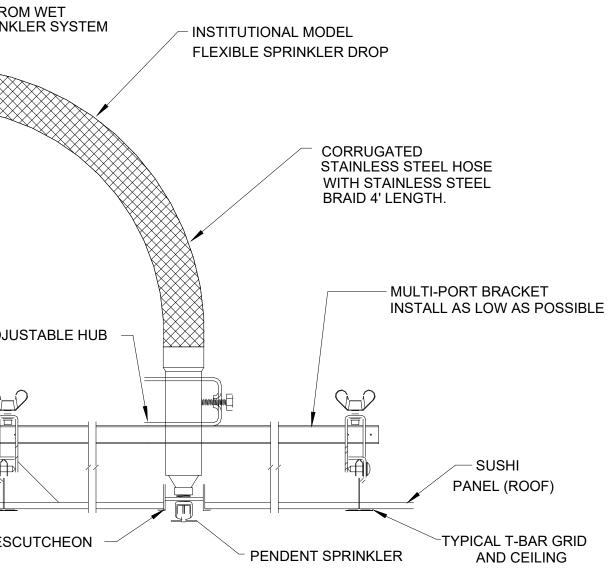


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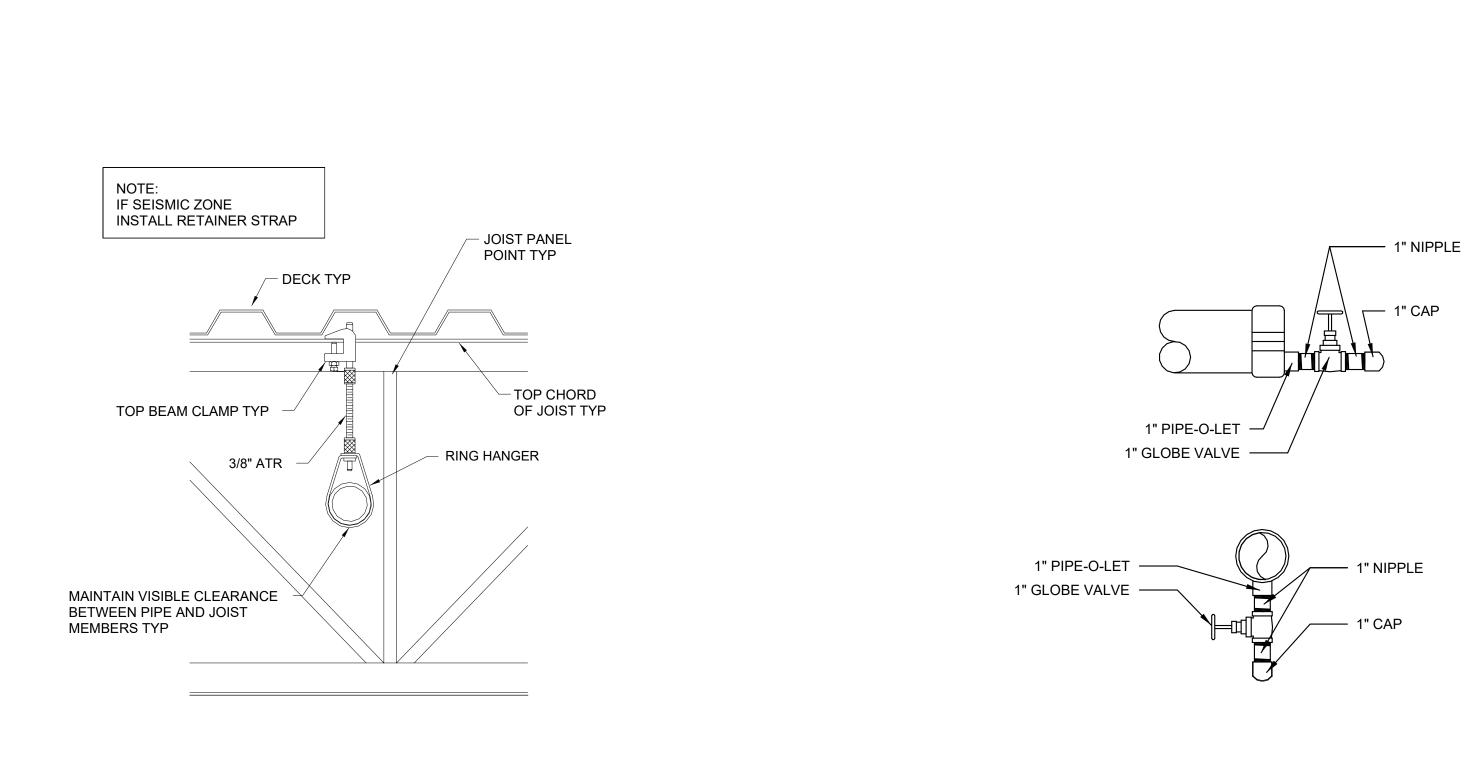
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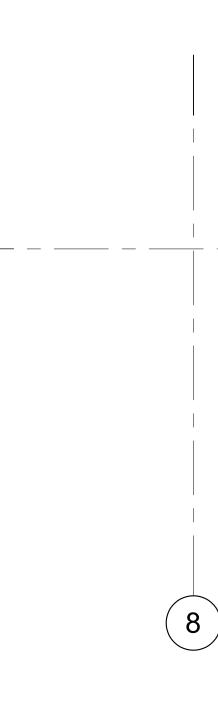
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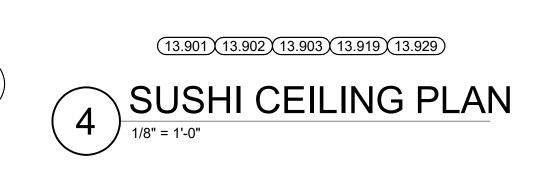




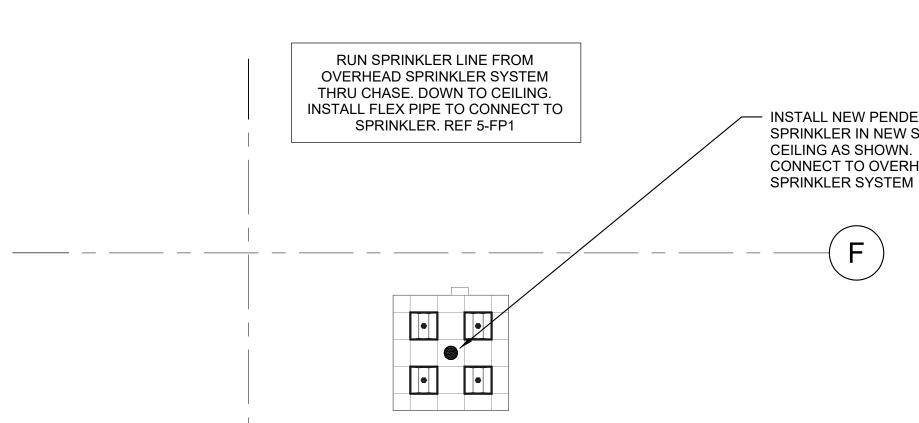


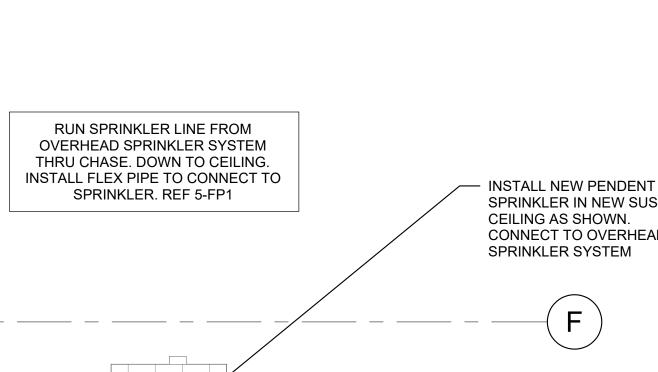


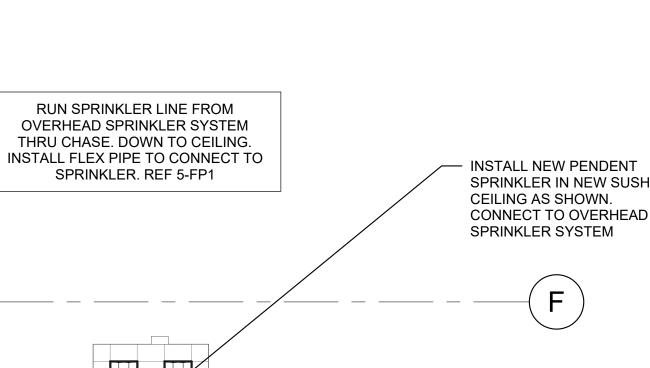


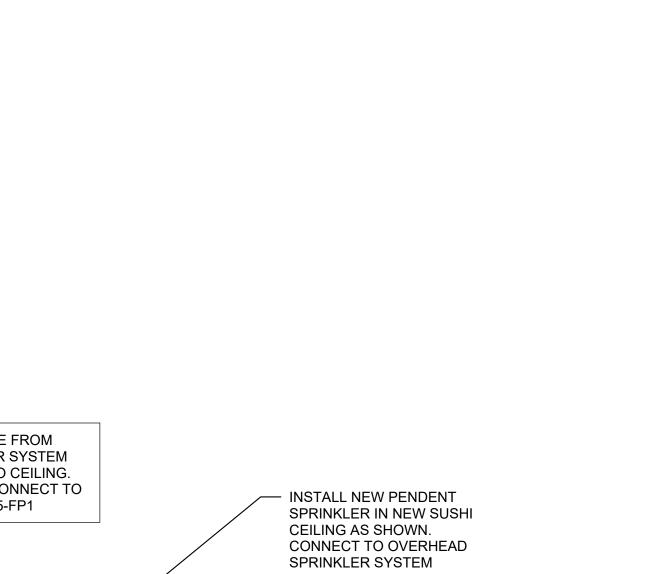


SPRINKLER SPACING PER NFPA 13 ORDINARY HAZARD









	ACCORDANCE WITTINITA IS		FAILURE TO VERIF
13.902	HANGERS SHALL BE INSTALLED ON NEW PIPE PER NFPA 13 AND DETAIL 2-FP1		
13.903	MECHANICAL TEES SHALL BE INSTALLED PER MANUFACTURER DATA SHEET IF ADDITIONAL OUTLETS ARE REQUIRED. CONTRACTOR SHALL BE ALLOWED TO USE ALTERNATIVE METHODS FOR ADDITIONAL OUTLETS WHICH	2.	STORE MUST BE K REQUIRED WORK I OPERATIONS TO A DISRUPTIONS WITI MANAGER
13.919	MATCH/EXCEED THE NEW PIPE SIZE CONNECTING TO THE EXISTING PIPE SUCH AS: CUT-IN TEES, EXISTING UNUSED/PLUGGED OUTLETS OR AN END OF BRANCHLINE CAP	3.	PERFORM WORK A PHASING SCHEDU PROTECTION WOR OTHERWISE, TO C CONSTRUCTION P
13.929	FOR SYSTEMS WITH A MAXIMUM PRESSURE THAT EXCEEDS 100 PSI, AND WITH SPRINKLERS IN A PENDENT POSITION THROUGH A CEILING, HANGERS FOR THE END SPRINKLER MUST BE OF A TYPE THAT WILL PREVENT UPWARD MOVEMENT OF THE PIPE, PER NFPA 13 AND MAY NOT EXCEED 12" IN LENGTH	4.	DISCONNECT AND COMPONENTS SHO DEMOLISHED. SPR ASSOCIATED WITH IN SERVICE.
		5.	CONTRACTOR IS R REPLACING ITEMS AND CONSTRUCTION
		6.	REMOVE ALL DEMO FROM THE JOB SIT COMPLETION. PRO MATERIALS AND D SALVAGE REQUIRE
			SPRINKLE
		<u>cc</u>	NTRACTOR SHALL:
		1.	COORDINATE ALL I LOCATIONS WITH A SITE CONDITIONS I FABRICATION/INST
		2.	INSTALLATION SHA

KEYNOTES

13.901 SPRINKLER LOCATIONS DENOTED ON PLANS

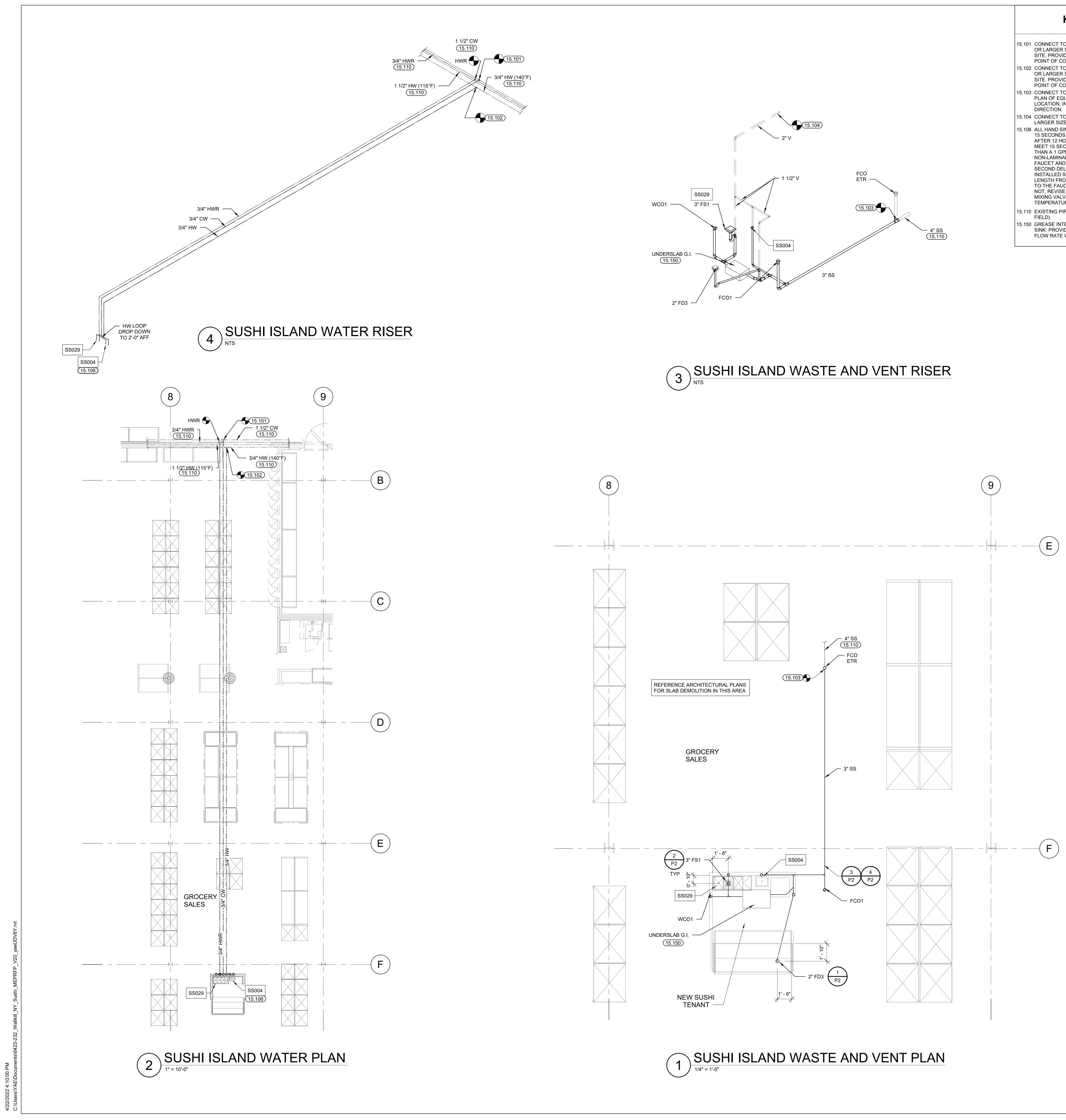
SPRINKLERS SHALL BE LOCATED IN

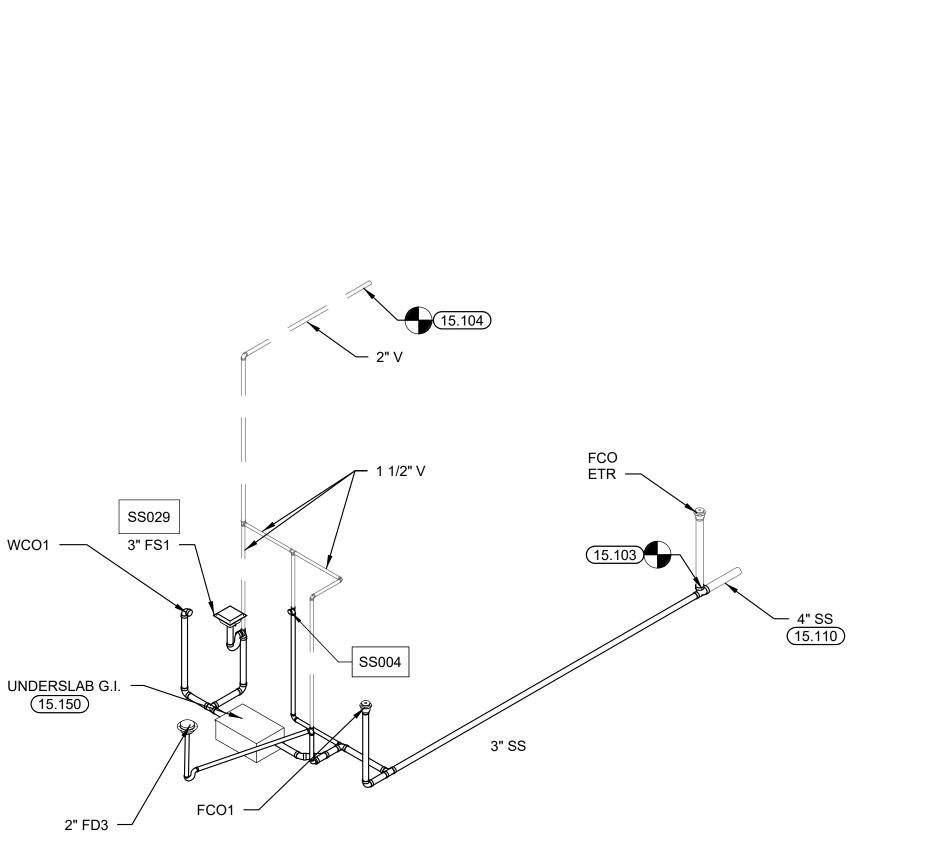
ACCORDANCE WITH NFPA 13

ARE SUBJECT TO FIELD VERIFICATION.

- IATE ALL NS WITH IDITIONS
- ION/INS
- INSTALLATION SH AND LOCAL REQ
- EXISTING SPRINK REMAIN UNLESS
- . SPRINKLER LOCA SUBJECT TO FIEL
- SHALL BE LOCATI 5. ALL NEW AREAS INSTALLED AS OF GREATER AS DEF
- OTHERWISE BY 1 CONSULTANT. PE RESTROOMS AND CONSIDERED LIG
- 6. ALL HEADS AND F APPROVED SHOP WRITTEN AUTHOR DESIGN CONSULT
- AUXILIARY DRAIN REQUIRED BY NF

	GENERAL NOTES	FIRE PROTECTION NOTES	
2. SRODN 2. SRODN 3. PPCC 4. DODA 5. CRA 6. FCNS CONT 1. CUS F. 2. IN	CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE EXTENT OF THE EXISTING FIRE ROTECTION SYSTEMS AND ASSOCIATED WORK. XTRA COMPENSATION WILL NOT BE PAID FOR AILURE TO VERIFY SITE CONDITIONS. TORE MUST BE KEPT IN OPERATION. ARRANGE DEQUIRED WORK DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE ANY DISRUPTIONS WITH WALMART CONSTRUCTION DAMAGER ERFORM WORK ACCORDING TO THE PROJECT HASING SCHEDULE. PROVIDE NECESSARY FIRE ROTECTION WORK, TEMPORARY AND/OR DITHERWISE, TO CONFORM TO THE REQUIRED DONSTRUCTION PHASE OF THIS PROJECT. NOCONNECT AND REMOVE FIRE PROTECTION COMPONENTS SHOWN ON THE DRAWINGS TO BE BENDLISHED. SPRINKLER SYSTEMS NOT SSOCIATED WITH THE DEMOLITION SHALL BE LEFT SSOCIATED WITH THE DEMOLITION SHALL BE LEFT ONTRACTOR IS RESPONSIBLE FOR REPAIRING OR DEPLACING ITEMS DAMAGED DURING DEMOLITION ND CONSTRUCTION. EMOVE ALL DEMOLISHED AND UNUSED MATERIALS COMPLETION. PROPERLY DISPOSE OF DEMOLITION DATERIALS AND DEBRIS IN ACCORDANCE TO THE ALVAGE REQUIREMENTS.	 THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED TO PROVIDE GUIDANCE FOR BIDDING ONLY. CONTRACTOR SHALL COORDINATE WITH THE AHJ TO CONFIRM COMPLETE APPROVAL AND VERIFY ALL FORMS, PERMITS, ETC. ARE COMPLETED AS REQUIRED. THE CONTRACTOR SHALL SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY SPECIFICATION SECTION 01330. CONTRACTOR SHALL BASE SHOP DRAWING DESIGN ON THE FIRE PROTECTION DRAWINGS SHALL INCLUDE ALL NECESSARY ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATION METHODS/NOTES. MATERIAL DATA, AND ANY OTHER INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZES, SPRINKLER SPACING, AND ALL SYSTEM CONFIGURATIONS AS SHOWN. ANY ALTERNATES IN DESIGN OF THE SYSTEM OR IN MATERIALS OR EQUIPMENT USED MUST BE APPROVED IN WRITING VIA THE REQUEST FOR INFORMATION PROCESS BY THE FIRE PROTECTION ENGINEER OF RECORD PRIOR TO ANY BIDDING, FABRICATION, OR INSTALLATION. CONTRACTOR TO PROVIDE BID PROPOSAL BASED ON THE SYSTEM LAYOUT AND DESIGN SHOWN. ALTERNATES MUST BE APPROVED BY THE FIRE PROTECTION ENGINEER OF RECORD PRIOR TO ANY BIDDING, FABRICATION, OR INSTALLATION. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING BID PROPOSAL BASED ON THE SYSTEM LAYOUT AND DESIGN SHOWN. ALTERNATES MUST BE APPROVED BY THE FIRE PROTECTION ENGINEER OF RECORD PRIOR TO BID. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AHJ APPROVAL OF ANY REQUESTED CHANGE. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING BID PROPOSAL. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AHJ AND THE OWNER'S DESIGNATED REVIEW CONSULTANT. IN ADDITION TO OBTAINING THE NECESSARY APPROVAL, THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATED MAKE NOTE OF ANY FIELD OR CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR CONTRACTOR MUST MAKE NOTE OF ANY	CONSULTANTS CONSULTANTS DAVID P. KIMDAII Panofroice.com surre.szas surre.szas surre.szas 479-636-6004 1005 N aND ST 1005
3. E R 4. S S 5. A G C C R C 6. A M D 7. A R NFP/ NFP/ NFP/ NFP/ NFP/ NFP/ NFP/ NFP/	XISTING SPRINKLERS AND BRANCHLINES TO EMAIN UNLESS NOTED OTHERWISE. PRINKLER LOCATION DENOTED ON PLANS ARE UBJECT TO FIELD VERIFICATION. SPRINKLERS HALL BE LOCATED IN ACCORDANCE WITH NFPA 13. LL NEW AREAS OF WORK SHALL BE DESIGNED AND ISTALLED AS ORDINARY GROUP II HAZARD OR REATER AS DEFINED BY NFPA 13, UNLESS ALLOWED THERWISE BY THE FIRE PROTECTION DESIGN ONSULTANT. PER WALMART GUIDELINES, ONLY ESTROOMS AND BREAKROOMS MAY BE ONSIDERED LIGHT HAZARD. LL HEADS AND PIPING SHALL BE INSTALLED PER PPROVED SHOP DRAWINGS UNLESS GIVEN (RITTEN AUTHORIZATION BY THE FIRE PROTECTION ESIGN CONSULTANT. UXILIARY DRAINS SHALL BE PROVIDED AS EQUIRED BY NFPA 13. REF. 1-FP1 APPLICABLE CODES	 PROR TO SUBMITTING THE BID PROPOSAL ASK THE OWNER FOR A DECISION WHERE DRAWINGS, STANDARDS, AND/OR CODES CONFLICT, OR THAT ARE NOT CLEARLY UNDERSTOOD. SUBMIT A REQUEST FOR INFORMATION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS FOR QUESTIONS PERTAINING TO THE FIRE PROTECTION DOCUMENTS. COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL. OBSTRUCTION TO SPRINKLER MY BE REQUIRED AT NO ADDITIONAL COST TO OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ARCHITECTURAL, STRUCTURAL MECHANICAL, AND ELECTRICAL INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE CONTRACT DOCUMENTS FOR LOCATION, SIZE AND QUANTITY OF OTHER TRADE WORK. REFER TO ARCHITECTURAL PLANS FOR CELLING HEIGHTS, WALL TYPES AND SECTIONS. PIPE ELEVATION CHANGES ARE APPROXIMATE DIMENSIONS ONLY. MAINTAIN ELEVATIONS OF MAINS AND LINES AS INDICATED AND OFFSET AS NECESSARY TO AVOID OBSTRUCTIONS AND PIPING CONTRACTOR TO INSTALL SPRINKLERS, PIPING AND ALL OTHER SYSTEM COMPONENTS IN STRUCT ACCORDANCE WITH NFPA-13 AND THE LOCALLY ADOPTED FIRE AND BUILDING CODES. CONTRACTOR TO INSTALL SPRINKLERS, PIPING AND ALL OTHER SYSTEM COMPONENTS IN STRUCT ACCORDANCE WITH NFPA-13 AND THE LOCALLY ADOPTED FIRE AND BUILDING CODES. ALL MATERIALS SHALL BE UL LISTED FOR FIRE PROTECTION SERVICE OR FACTORY MUTUAL APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA-13 AND SHALL HAVE A CORROSION NESISTANCE RATIO OF 10 OR BETTER. CRIMP TYPE COUPLINGS AND PLAIN END FITTINGS SHALL NOT BE USED. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH AN APPROVED METHOD ETAILED IN THE UL FIRE RESISTANCE DIRECTORY. ROUTE SPRINKLER MAINS ABOVE THE BOTTOM CHORD OF JOISTS. CORDINATE ALL DROP LOCATIONS FOR AUXILIARY DRAINS, INSPECTORS TEST CONNECTIONS AND DRY SYSTEM DRUM DRIP	Image: Additional system of the sealed by David P. Kimball, P.E. #078088 O.C. P.G. B.C. C.
	I DETAIL		FIRE PROTECTION NOTES DETAILS AND PLANS
		STORE ADDRESS 300 N. GALLERIA DR WALLKILL, NY 10941	SHEET: FP1

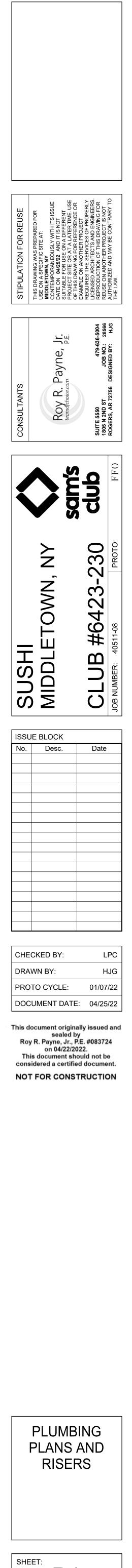




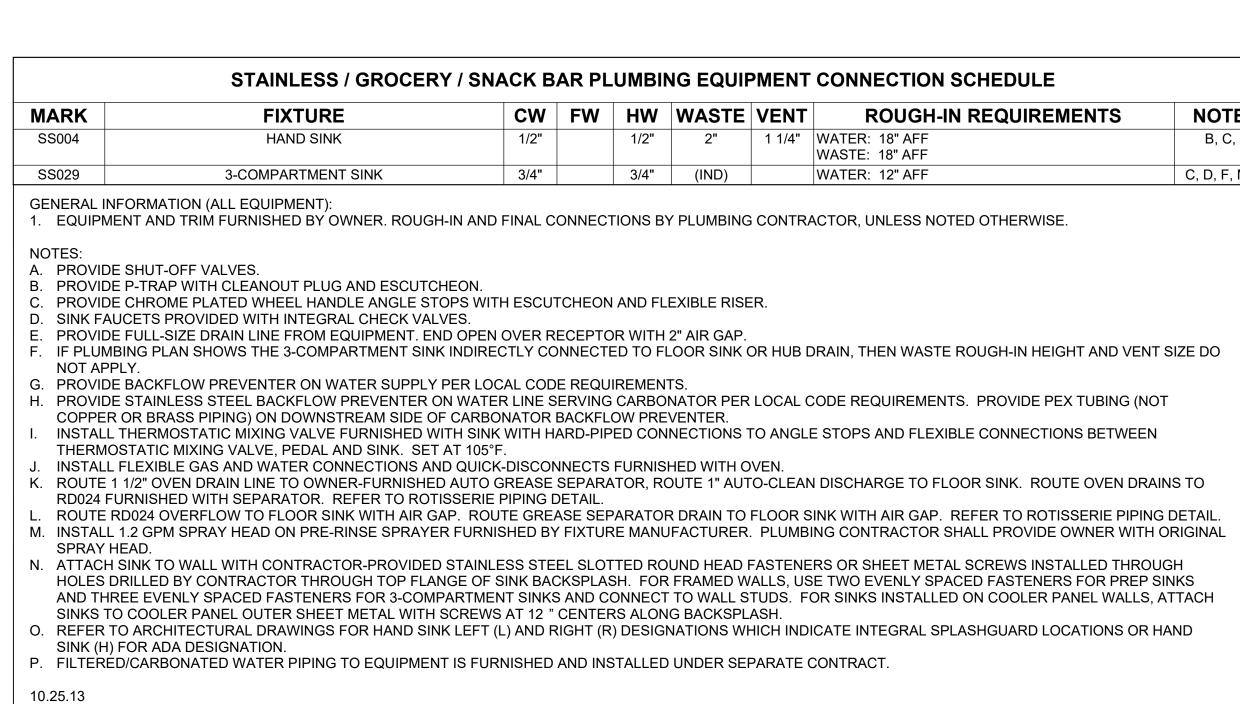
			KEYNOTES	PL	UMBI
		15 101	CONNECT TO EXISTING COLD WATER PIPE OF EQUAL	 	DOMESTIC
		10.101	OR LARGER SIZE. VERIFY SIZE AND LOCATION AT SITE. PROVIDE SHUT-OFF VALVE IN NEW PIPE AT POINT OF CONNECTION.		HOT WAT
		15.102	CONNECT TO EXISTING HOT WATER PIPE OF EQUAL OR LARGER SIZE. VERIFY SIZE AND LOCATION AT SITE. PROVIDE SHUT-OFF VALVE IN NEW PIPE AT	SS	SANITAR
		15.103	POINT OF CONNECTION. CONNECT TO EXISTING WASTE LINE AS NOTED ON	GW	GREASE V
			PLAN OF EQUAL OR LARGER SIZE. VERIFY SIZE, LOCATION, INVERT ELEVATION, AND FLOW DIRECTION.	A	COMPRES
			CONNECT TO EXISTING VENT PIPE OF EQUAL OR LARGER SIZE. VERIFY SIZE AND LOCATION AT SITE. ALL HAND SINKS MUST DELIVER HOT WATER WITHIN	T	PLUMBIN TEPID WA
		10.100	15 SECONDS. TEST SINK FOR 15 SECOND DELIVERY AFTER 12 HOURS OF NON-USE. IF SINK DOES NOT MEET 15 SECOND REQUIREMENT AND HAS LESS	110°	TEMPERE
			THAN A 1 GPM AERATOR, REPLACE WITH A NON-LAMINAR 1 GPM AERATOR COMPATIBLE WITH FAUCET AND RETEST. IF STILL UNABLE TO MEET 15	ST	STORM P
			SECOND DELIVERY TIME, VERIFY PIPING IS INSTALLED SO THE MAXIMUM 1/2" HOT WATER LINE LENGTH FROM A RECIRCULATED HOT WATER LINE	>	SHUT OF
			TO THE FAUCET DOES NOT EXCEED 20 FEET AND, IF NOT, REVISE PIPING AS NECESSARY. VERIFY THAT MIXING VALVES ARE OPERABLE FOR 1150 SUPPLY	HDC	SHUT OF
		15.110	EXISTING PIPING TO REMAIN (VERIFY LOCATION IN		RISE AN
		15.150	FIELD). GREASE INTERCEPTOR FOR THREE COMPARTMENT SINK: PROVIDE RECESSED SCHIER GB2 AT 35 GPM		YARD CLE
			FLOW RATE WITH FCR1 12" EXTENSION RISER.		EXISTING
				S	OR RELOC HATCHED
				0	FLOOR DR FUNNEL F
					PREP ARE STOCKRO
					FOOD SIN
					PLUMBING
					CONNECT
)					– DETAIL NU – SHEET NU
\				AFF	ABOVE FI
				BFF	BELOW FI
				3CS	THREE-CO
				CTS	
				DEMO	FROM PRE
				ETR	EXISTING
	9			EWC	ELECTRIC
				FD	FLOOR DF
				FS	FLOOR SI
				FPWH	FREEZE P
	- - - 			MHB HS	MIXING H
				I.E.	INVERT EL
				НВ	HOSE BIB
				MS	MOP SINK
				PS	PREP SIN
				UR	URINAL
				VBF	VENT BEL
				VTR	VENT THE
				WC	WATER CL
				WH	WATER HE
					DENOTES (EQUIPMEN PLUMBING
					SCHEDULE
					ARCHITEC EQUIPMEN
					PLUMBING
					CONTF PONSI
				EACH SUBCO	NTRACTOR IS
				HAVING A THO DRAWINGS AN AREA. THE FA	ND SPECIFIC
				WITH THESE D OF ANY RESP WORK PROPE	ONSIBILITY F RLY. NO AD
				SHALL BE ALL OCCUR DUE T WITH THIS INF	O FAILURE T
				EQUIVA	LENT NO
					AQUATHERN HOT WATER
				1/2" 3/4"	1/2" 3/4"
				1" 1 1/4" 1 1/2"	1" <u>1 1/2"</u> 2"
				2" 2 1/2"	2 1/2" 3"
				3" 4"	3 1/2" 6"
				NOTE: REFER	
				10.25.13	
	I				

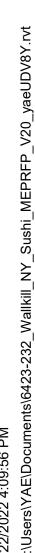
MBING SYMBOLS		
OMESTIC COLD WATER (CW)	1.	
OMESTIC HOT WATER (HW) OT WATER RECIRCULATION (HWR)	2.	F
ANITARY SEWER (SS)		ll F A
REASE WASTE (GW)		А F
OMPRESSED AIR (A)	3.	S A C
LUMBING VENT (V)		E
		N N F
EMPERED WATER (110°) TORM PIPING (ST)	4.	F A
HUT OFF VALVE (SOV)		C E
HUT OFF VALVE IN RISE	5.	li L
RISE AND FALL IN PIPE		F F C
EW FLOOR CLEANOUT (FCO)		V C
RD CLEANOUT	6.	li N F
(ISTING ITEMS TO BE REMOVED R RELOCATED (SHOWN ATCHED AND NOTED)		E
OOR DRAIN, CASE DRAIN & INNEL FLOOR DRAIN (FFD)		li N N
REP AREA DRAIN & OCKROOM FLOOR DRAIN (FD)	7.	A F
DOD SINK DRAIN (FS)		E V
ENCH DRAIN (TD)		S L N
UMBING RISER NUMBER	8.	E
NNECT TO EXISTING		F
TAIL NUMBER IEET NUMBER		C S N
BOVE FINISHED FLOOR		C N F
ELOW FINISHED FLOOR		3 F
IREE-COMPARTMENT SINK	9.	V E A
		N S F
MOLISH AND REMOVE OM PREMISES	10.	F II
(ISTING TO REMAIN	11.	C F
ECTRIC WATER COOLER	11.	F Y C
OOR DRAIN	12.	S (I
OOR SINK		F L C
REEZE PROOF WALL HYDRANT	13.	S
IXING HOSE BIBB		C C
AND SINK	14.	A F V
VERT ELEVATION		N A
OP SINK	15.	L T A
REP SINK	10	S
RINAL	16.	F F
ENT BELOW FLOOR		S C E
ENT BELOW GRADE	17.	C
ENT THRU ROOF	18.	E
ATER HEATER		S L E
NOTES GROCERY AND SNACK BAR UIPMENT. REFER TO GROCERY	19.	Ē
JMBING EQUIPMENT CONNECTION HEDULE.		Д Д
NOTES TBC EQUIPMENT. REFER TO CHITECTURAL PLANS FOR TBC UIPMENT SCHEDULE.		C N
JMBING KEY NOTES.	20.	F F A
NTRACTOR	21.	F
NSIBILITY NOTE		V E
ACTOR IS RESPONSIBLE FOR JGH KNOWLEDGE OF ALL	22.	F V F
PECIFICATIONS IN THEIR RELATED RE TO ACQUAINT THEMSELVES JMENTS DOES NOT RELIEVE THEM	23.	11
BILITY FOR PERFORMING THEIR NO ADDITIONAL COMPENSATION D BECAUSE OF CONDITIONS THAT	24.	E
ILURE TO FAMILIARIZE WORKERS IATION.		A F S
NT NOMINAL PIPE SIZES		C II C
ATHERM AQUATHERM PEX WATER COLD WATER	25.	F
1/2" 1/2" 3/4" 3/4"		F S E
1" 1 1/4" 1 1/2" 1 1/4" 1 1/2" 2" 1 1/2" 2"		C E C
2 1/2" 2" N/A 3" 2 1/2" N/A		V C
3 1/2" 3" N/A 6" 4" N/A	26.	E S
SPECIFICATIONS FOR APPROVED		F
	27.	ll L
	28.	F F
		S A F
		F
	29.	A

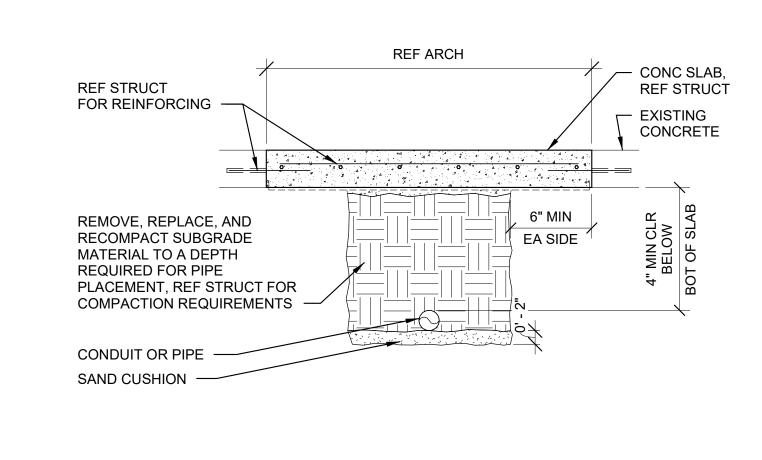
GENERAL NOTES	
GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.	
PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS AND READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND EQUIPMENT MANUFACTURER RECOMMENDATIONS.	
STORE MUST BE KEPT IN OPERATION. ARRANGE ALL WORK TO KEEP DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE WITH EXISTING AND NEW CONSTRUCTION. COORDINATE ANY DISRUPTIONS WITH CLUB MANAGER AND SAM'S CONSTRUCTION	
MANAGER. PAY ALL NECESSARY FEES AND PERMITS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION, REPAIR OR CONSTRUCTION OF PLUMBING RELATED	
EQUIPMENT. IF NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (GAS, SEWER, DOMESTIC WATER, FIRE SPRINKLER, ETC.), PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO MAINTAIN THEIR PROPER OPERATION. COORDINATE ANY DISRUPTIONS WITH CLUB MANAGER AND SAM'S CONSTRUCTION MANAGER.	
INSTALL VTR'S A MINIMUM OF 24" AND FLUES A MINIMUM OF 36" FROM ROOF EDGE AND/OR PARAPET WALLS. INSTALL VTR'S, FLUES AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE OF ROOF TOP UNITS. INSTALL EXHAUST FANS AND ROOF TOP UNITS A MINIMUM OF 10 FT FROM ROOF EDGE OR A MINIMUM OF 60" FROM PARAPET WALLS THAT ARE AT LEAST 42" HIGH.	
PLUMBING VTR PIPES NOTED TO BE DEMOLISHED ON PLAN SHALL BE CUT 6" BELOW BOTTOM OF ROOF DECK. CAP ABANDONED VTR WATERTIGHT ABOVE AND BELOW ROOF. SECURE VENT PIPE FROM STRUCTURE WITH UNISTRUT AND PIPE CLAMP TO PREVENT MOVEMENT.	
EXISTING PIPE SIZES AND LOCATIONS HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR TO FIELD VERIFY LOCATION AND SIZES OF ALL EXISTING PIPING THAT IS BEING CONNECTED TO OR MODIFIED, AND TO VERIFY THAT PROPER SLOPES AND ELEVATIONS ARE AVAILABLE. MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT OR SANITARY SEWER PIPING 3" OR LARGER. MAINTAIN MINIMUM SLOPE OF 1/4" PER FOOT FOR SANITARY SEWER PIPING SMALLER THAN 3". REF ARCH. FOR TRENCHING REQUIREMENTS.	
VERIFY EXISTING SEWER AND VENT PIPE SIZE, ELEVATION, AND PROPER SLOPES ARE AVAILABLE BEFORE CUTTING FLOOR SLAB FOR NEW SEWER PIPING FOR FLOOR SLABS NOT SHOWN TO BE REMOVED ON THE DEMOLITION PLAN.	
PLAN. PROVIDE ACCESS DOORS TO ALL INACCESSIBLE WATER VALVES AND CLEANOUTS.	
PLUMBING CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY FOR PROPER SEWER SYSTEM OPERATION.	
SANITARY DRAINAGE LINES AND FITTINGS (DRAIN, WASTE AND VENT) SHALL BE PVC-DWV PLASTIC SCHEDULE 40. WHERE REQUIRED BY LOCAL CODES, CAST IRON, COATED INSIDE AND OUTSIDE SHALL BE USED. REFER TO SPECIFICATIONS.	
PROVIDE AUTOMATIC TRAP PRIMERS ON FLOOR DRAINS IF REQUIRED BY LOCAL PLUMBING CODES.	
ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FLOOR FINISH MATERIAL OR FLUSH WITH CONCRETE SLAB IF NO FLOOR FINISH MATERIAL IS CALLED OUT FOR ON ARCHITECTURAL DRAWINGS.	
LOCATE ALL FLOOR CLEANOUTS OUT OF TRAFFIC WAYS WHILE MAINTAINING ACCESSIBILITY. LOCATE PER DIMENSIONS IF SHOWN ON PLANS.	
FLOOR CUTS SHALL BE STRAIGHT AND CLEAN, REPLACE REMOVED SLAB WITH CONCRETE FLUSH AND SMOOTH WITH ADJACENT FLOOR SLAB. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DRAWINGS.	
CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.	
CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION.	
DO NOT INSTALL PIPING WITHIN COOLER PANELS. INSTALL EXPOSED PIPING IN PREP AREAS A MINIMUM OF 1" FROM PANEL WALL AND 6" ABOVE FINISHED FLOOR TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.	
PROVIDE ESCUTCHEON PLATES FOR PLUMBING PENETRATIONS THROUGH GROCERY CEILINGS AND WALLS.	
PROVIDE AIR TIGHT SEAL AROUND PIPING PENETRATIONS THROUGH COOLER/FREEZER WALLS AND CEILINGS. FINISH WITH ESCUTCHEON PLATE.	
PROVIDE HEAT TAPE AND INSULATION ON ALL WATER AND DRAIN PIPING EXPOSED TO FREEZING.	
INSTALL CONTINUOUS SEALANT JOINT AT ALL EXTERIOR WALL PENETRATIONS.	
PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC DESIGN CATEGORY REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.	
EXISTING CONDITIONS ARE BASED UPON PREVIOUS CONSTRUCTION DRAWINGS AND/OR SITE VISIT AND MAY NOT REFLECT EXACT "AS BUILT" CONDITIONS. VERIFY EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO FINAL BID. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS AS REQUIRED.	
BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.	
INSTALL CENTERLINE OF GROCERY AREA UTILITY WALL PENETRATIONS AND WALL CLEANOUTS AT 12" AFF MINIMUM.	
REFER TO RISER DIAGRAMS AND PLUMBING FIXTURE SCHEDULES FOR ALL PIPING AND PIPE SIZES NOT SHOWN ON PLAN. RISER DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT REFLECT EVERY OFFSET, RISER OR UNION. PIPE FITTINGS AND UNIONS, IF SHOWN ON THE RISER, SHALL NOT BE USED FOR TAKE-OFF OR	
ESTIMATING PURPOSES.	



P1





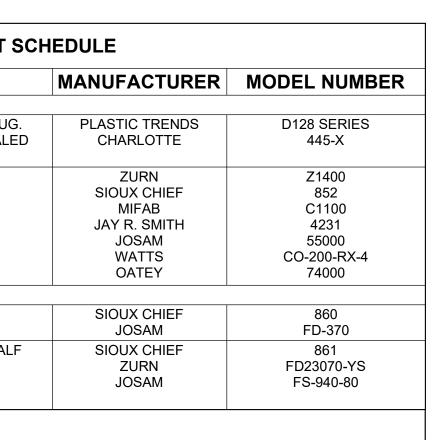




ON SCHEDULE	
H-IN REQUIREMENTS	NOTES
F F	B, C, J
F F	C, D, F, M, N
NOTED OTHERWISE.	
STE ROUGH-IN HEIGHT AND VENT S	IZE DO
IENTS. PROVIDE PEX TUBING (NOT	
EXIBLE CONNECTIONS BETWEEN	
D FLOOR SINK. ROUTE OVEN DRAINS	DETAIL.

MARK	DESCRIPTION	MANUFA
CLEANOUTS		
CO1/WCO1	POLYPROPYLENE COMPACT TEST TEE WITH THREADED, COUNTERSUNK CLEANOUT PLUG. (PROVIDE DRILLED TAP FOR CENTER SCREW AND STAINLESS STEEL COVER IF CONCEALED BY WALL (WCO1))	PLASTIC CHAR
FCO1	CAST IRON OR PVC BODY, ROUND EXTRA HEAVY-DUTY CAST OR DUCTILE IRON TOP, POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.	ZU SIOUX MII JAY R. JOS WA OA
LOOR AND R		
FD3	LIGHT DUTY PVC WITH 9" DIAMETER LOOSE SET PVC HALF GRATE.	SIOUX
FS1	LIGHT DUTY, ACID RESISTANT, WHITE PVC FLOOR SINK WITH 12" SQUARE WHITE PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE. REF PLANS FOR LOCATIONS WHERE FULL GRATES ARE SPECIFIED. OMIT DEBRIS BUCKET FOR REFRIGERATED CASE APPLICATIONS.	SIOUX ZU JOS

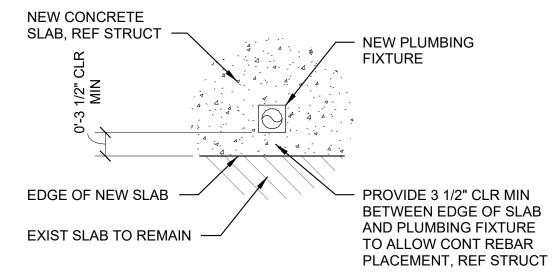
GRADE OR FLOOR SI GRADE OR FLOOR SI GRADE OR FLOOR SI GRADE OR FLOOR SI BACKFILL PER SPECS. PIPE PIPE PIPE OR FOUNDATION BEWARE OF UNDERMINING BUILDING FOUNDATIONS. VERIFY WITH THE ARCHITECT HOW CLOSE YOU MAY TRENCH TO THE FOUNDATIONS. CONCRETE FLOOR SLAB PARALLEL TO FOOTING	LAB PLASTIC LINE MARKER WARNING TAPE (EXTERIOR TO BUILDING.)
NO PIPE SHALL PASS THRU FOOTING PAD. PLUMBING CONTRACTOR IS RESPONSIBLE FOR LOCATION AND ELEVATION OF SLEEVES. VERIFY EXCAVATION CONDITIONS (SOIL/ROCK) WITH GEOTECHNICAL REPORT AND/OR SITE INVESTIGATION. REFER TO SPECS FOR OTHER CONDITIONS.	YE FOR ALL PENETRATIONS FECT WHAT PASS N FOOTING H UNDER



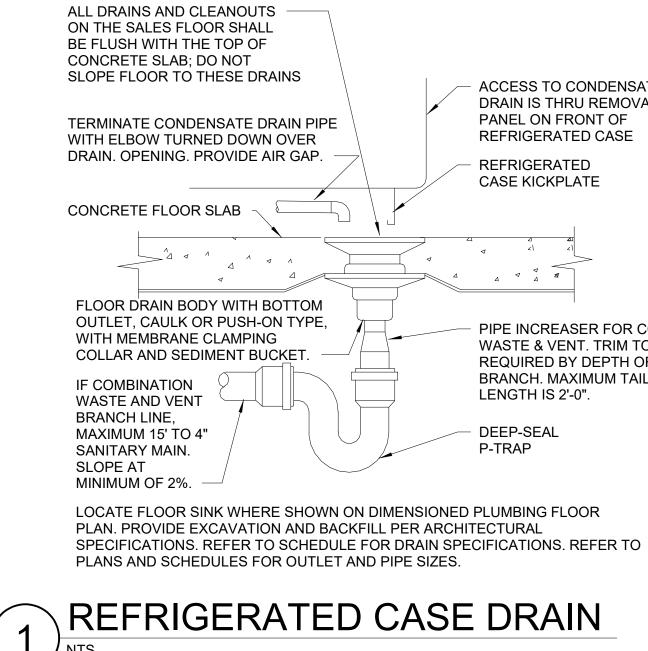
TO SPECIFICATIONS.

5000 TO 7499 LBS, EXTRA HEAVY DUTY

		SPECIALTY PLUMBIN
MARK	FIXTURE	
WHA	WATER HAMMER ARRESTOR	LEAD FREE, CONFORM TO PDI WH-20
	JOSAM SERIES 75000	PRECISION PLUMBING PRODUCTS SS
	JAY R. SMITH HYDROTROLS	SIOUX CHIEF HYDRA-RESTER
	VALVES (DO NOT USE FOR GAS)	LEAD FREE, FULL PORT BRASS BALL
	RED-WHITE 5044AB OR 5049AB	APOLLO SERIES 70LF CRAN
	GAS VALVES	QUARTER TURN BALL VALVE, UL LIST ENDS, BRONZE BODY, CHROME PLAT ADJUSTABLE PACKING GLAND, VINYL
	CONBRACO (APOLLO)	NIBCO T-585-70-UL SERIES (1/2" - 1")
	80-100 SERIES (1/4" - 3")	T-580-70-UL SERIES (1 1/4" - 3")
	DOUBLE-CHECK VALVE	LEAD FREE, INCLUDE TWO INDEPEND
	BACKFLOW PREVENTER	REQUIRED MEANS FOR TESTING FOR
	WATTS LF007QT OR LF709	FEBCO LF850 WILKIN
	REDUCED PRESSURE	LEAD FREE, PROVIDE STRAINER, SHU
	BACKFLOW PREVENTER	RECEPTOR APPROVED BY AUTHORIT
	WATTS LF009QT OR LF909	FEBCO LF860 WILKI
	TRAP PRIMER	LEAD FREE, PROVIDE ALL BRONZE PF
	(SINGLE TRAP)	VACUUM BREAKER, AND GASKETED A
	PRECISION PLUMBING PRODUCTS PRIME-RI	TE OR OREGON #1 SIOUX
	TRAP PRIMER	LEAD FREE, PROVIDE ALL BRONZE PF
	(MULTIPLE TRAPS)	INTEGRAL VACUUM BREAKER, GASKE
	PRECISION PLUMBING PRODUCTS PRIME-RI	TE OR OREGON #1 MIFAB
	VACUUM RELIEF VALVE	LEAD FREE, BRASS BODY. CSA/ANSI
	WATTS LFN36-M1	
WPG	WATER PRESSURE GAUGE	2.5 INCH STAINLESS STEEL CASE, ALL 1.6% ACCURACY, 30" HG VAC TO 100 F
	AMETEK 656	WEISS INSTRUMENTS LF252







- ACCESS TO CONDENSATE DRAIN IS THRU REMOVABLE

PIPE INCREASER FOR COMBINATION

WASTE & VENT. TRIM TO LENGTH

REQUIRED BY DEPTH OF SANITARY

BRANCH. MAXIMUM TAILPIECE

PANEL ON FRONT OF

REFRIGERATED CASE

REFRIGERATED

4 4

LENGTH IS 2'-0".

DEEP-SEAL P-TRAP

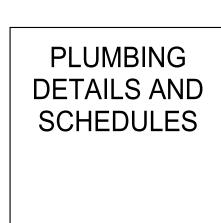
4 4

CASE KICKPLATE

NTS

NG FIXTURE SCHE	DULE	
	DESCRIPTION	
	R/CATALOG NUMBER	
1, ANSI A112.26.1M, ASS	E 1010.	
#316 SERIES	WATTS SS SERIES	WILKINS MODEL 1250XL SERIES
	MIFAB MWH	
VALVE WITH PLASTIC J	ACKETED LEVER TYPE HAN	DLE.
E LF9210 SERIES	WATTS LF-FBV-3C OR FB	VS-3C NIBCO FP-600-A-LF
	SERVICE OR LP GAS SERVI ON OR "TFE" SEATS AND SEA	CE AS REQUIRED, THREADED ALS, BLOWOUT PROOF STEM,
	WATTS B6000-UL SERIES	(1/4" - 4")
ENT-ACTING CHECK VA	ALVES, TWO SHUT-OFF VAL	VES, AND
EACH ASSEMBLY. MIN	IMUM 175 PSI WORKING PRI	ESSURE.
NS 350XL OR 950XLT2		
	ST COCKS: INSTALL DRAIN N. MINIMUM 175 PSI WORKII	LINE WITH AIR GAP ASSEMBLY TO
NS 375XL OR 975XL		
	IOVABLE OPERATING PART	S, INTEGRAL
ACCESS COVER.		
CHIEF 695		
	IOVABLE OPERATING PART AND MULTIPLE TRAP CAPAE	
M-500-NPB	JOSAM 88300	SIOUX CHIEF SERIES 695
Z21.22		
. WETTED PARTS STAIN PSI RANGE.	ILESS STEEL, LIQUID FILLE	D, 1/4 INCH NPT CONNECTIOR
2		TRERICE D83LFSS2502BA050
PLANS		

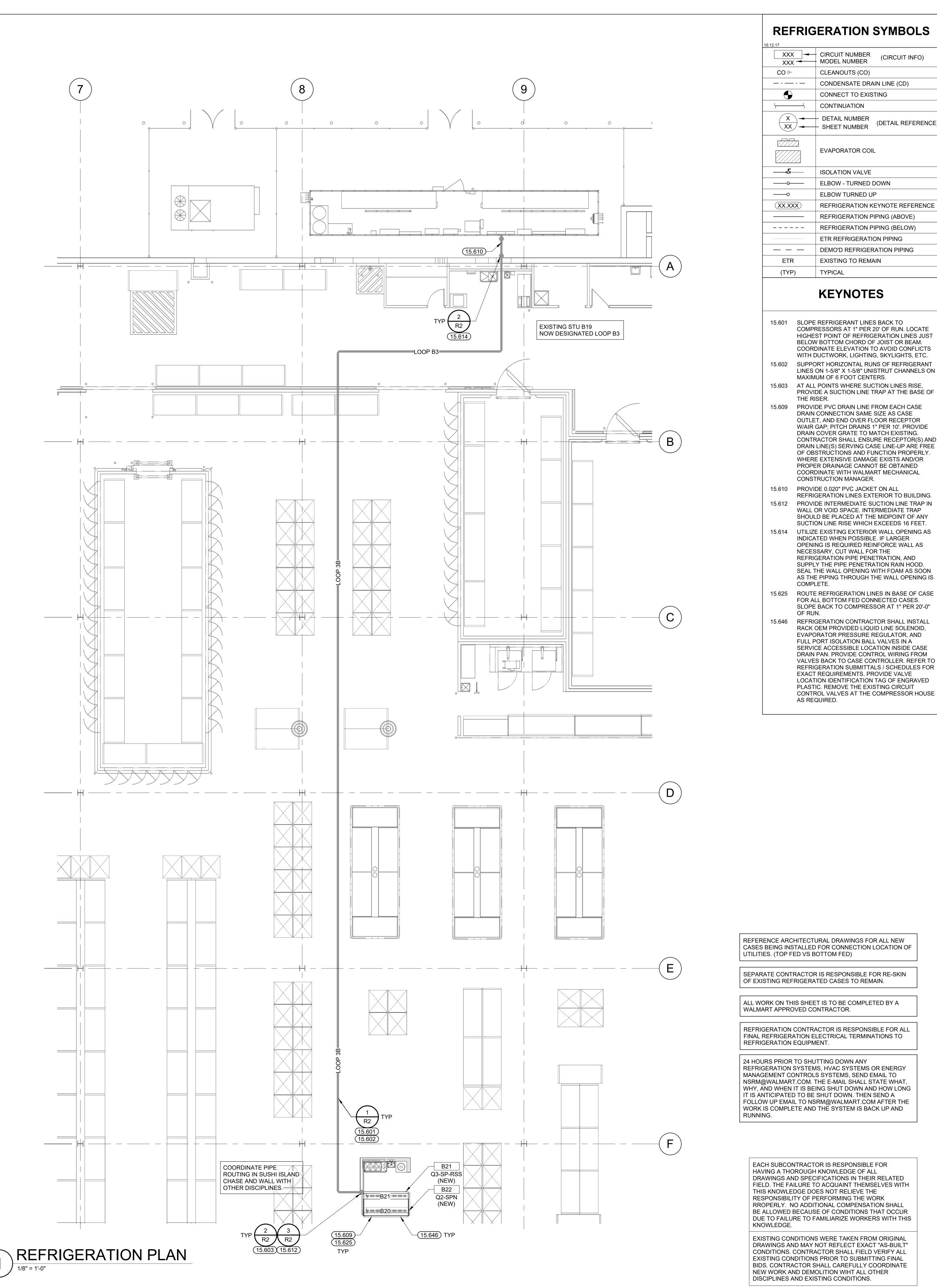
ЪГ. 30 Z \sim TOWN, \mathcal{O} #642 SUSHI MIDDLE⁻ CLUB JOB NUMBER: 40 ISSUE BLOCK No. Desc. Date CHECKED BY: LPC DRAWN BY: HJG PROTO CYCLE: 01/07/22 DOCUMENT DATE: 04/25/22 This document originally issued and sealed by Roy R. Payne, Jr., P.E. #083724 on 04/22/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION



SHEET: P2

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	7/8	1/2	30
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7/8	7/8	1/2	10
7/8	7/8	1/2	20
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7/8	5/8	1/2	10
7/8	5/8	1/2	10
5/8	1 5/8	7/8	65
3/8	1 1/8	5/8	20
1/8	7/8	1/2	10
1/8	7/8	1/2	20
3/8	1 1/8	5/8	25
1/8	7/8	1/2	10
1/8	7/8	1/2	20
3****	1/2****	1/2****	240
2****	1/2****	1/2****	10
2****	3/8****	1/2****	1
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^^^^ NEW PIPING CONNECTED TO EXISTING TO REMAIN PIPING. REFER TO REFRIG PLAN FOR APPROXIMATE LOCATION OF NEW AND EXISTING PIPING.



RATION SYMBOLS	EPA CLEA
CUIT NUMBER (CIRCUIT INFO) DEL NUMBER (CIRCUIT INFO) EANOUTS (CO) ONDENSATE DRAIN LINE (CD) ONNECT TO EXISTING	COMPLY WITH CLEAN AIR ACT AND CODE OF FEDERAL REGU WHEN ADDING OR REMOVING EQUIPMENT. RECORD ALL EQ NUMBERS, MODEL AND SERIA OF REFRIGERANT RECOVERE DATE OF DECOMMISSIONING, SIGNATURE OF ON-SITE SUPE
ETAIL NUMBER (DETAIL REFERENCE) HEET NUMBER	GENERAI
APORATOR COIL	1. PLAN INDICATES GENERAL REFRIGERANT LINES, WIT INDICATING BOTH SUCTIO
DLATION VALVE	ROUTING FOR EACH SYST
BOW - TURNED DOWN	2. REFRIGERATION SYSTEM
BOW TURNED UP	IN COMPLETE CONFORMA SPECIFICATIONS, AND WIT
FRIGERATION KEYNOTE REFERENCE	REFRIGERATION EQUIPME
FRIGERATION PIPING (ABOVE)	3. REFRIGERATION DRAWING
FRIGERATION PIPING (BELOW)	AID TO BIDDERS AND TO II ROUTING OF REFRIGERAT
R REFRIGERATION PIPING	SHALL ASSUME FULL RES
MO'D REFRIGERATION PIPING	ACCESSORIES TO PROVID
ISTING TO REMAIN	FULLY OPERATING SYSTE
PICAL	4. REFER TO SPECIFICATION

KEYNOTES

15.601 SLOPE REFRIGERANT LINES BACK TO COMPRESSORS AT 1" PER 20' OF RUN. LOCATE HIGHEST POINT OF REFRIGERATION LINES JUST BELOW BOTTOM CHORD OF JOIST OR BEAM. COORDINATE ELEVATION TO AVOID CONFLICTS WITH DUCTWORK, LIGHTING, SKYLIGHTS, ETC. 15.602 SUPPORT HORIZONTAL RUNS OF REFRIGERANT LINES ON 1-5/8" X 1-5/8" UNISTRUT CHANNELS ON MAXIMUM OF 6 FOOT CENTERS. 15.603 AT ALL POINTS WHERE SUCTION LINES RISE,

15.609 PROVIDE PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR RECEPTOR W/AIR GAP; PITCH DRAINS 1" PER 10'. PROVIDE DRAIN COVER GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND DRAIN LINE(S) SERVING CASE LINE-UP ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER.

REFRIGERATION LINES EXTERIOR TO BUILDING. 15.612 PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SUCTION LINE RISE WHICH EXCEEDS 16 FEET. 15.614 UTILIZE EXISTING EXTERIOR WALL OPENING AS INDICATED WHEN POSSIBLE. IF LARGER OPENING IS REQUIRED REINFORCE WALL AS NECESSARY, CUT WALL FOR THE REFRIGERATION PIPE PENETRATION, AND SUPPLY THE PIPE PENETRATION RAIN HOOD.

SEAL THE WALL OPENING WITH FOAM AS SOON AS THE PIPING THROUGH THE WALL OPENING IS 15.625 ROUTE REFRIGERATION LINES IN BASE OF CASE FOR ALL BOTTOM FED CONNECTED CASES.

15.646 REFRIGERATION CONTRACTOR SHALL INSTALL RACK OEM PROVIDED LIQUID LINE SOLENOID, EVAPORATOR PRESSURE REGULATOR, AND FULL PORT ISOLATION BALL VALVES IN A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN. PROVIDE CONTROL WIRING FROM VALVES BACK TO CASE CONTROLLER. REFER TO REFRIGERATION SUBMITTALS / SCHEDULES FOR EXACT REQUIREMENTS. PROVIDE VALVE LOCATION IDENTIFICATION TAG OF ENGRAVED PLASTIC. REMOVE THE EXISTING CIRCUIT

CASES BEING INSTALLED FOR CONNECTION LOCATION OF

DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH RROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE

A CLEAN AIR ACT

LEAN AIR ACT, TITLE VI, SECTION 608 EDERAL REGULATION TITLE 40, PART 82 OR REMOVING REFRIGERATED CORD ALL EQUIPMENT IDENTIFICATION EL AND SERIAL NUMBERS, THE AMOUNT IT RECOVERED FROM EACH UNIT, THE MISSIONING, COMPANY NAME AND ON-SITE SUPERVISOR.

ENERAL NOTES

- ATES GENERAL ROUTING OF NT LINES, WITH A SINGLE LINE SHOWN BOTH SUCTION AND LIQUID LINE OR EACH SYSTEM.
- TION SYSTEM INSTALLATION SHALL BE E CONFORMANCE WITH ONS, AND WITH ALL REQUIREMENTS OF
- TION EQUIPMENT MANUFACTURER. TION DRAWINGS ARE PROVIDED AS AN ERS AND TO INDICATE DESIRED FREFRIGERATION LINES; CONTRACTOR JME FULL RESPONSIBILITY FOR ISTALLATION OF PIPING AND ES TO PROVIDE A COMPLETE AND RATING SYSTEM.
- PECIFICATION 15600 FOR INSULATION THICKNESS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
- PIPE INSULATION SHALL BE BLACK REGARDLESS OF EXISTING INSULATION COLOR.
- PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE AT THE MIDPOINT OF A SUCTION LINE RISER WHICH EXCEEDS 16 FT. REFER TO INTERMEDIATE SUCTION LINE TRAP DETAIL.
- AT ALL POINTS WHERE SUCTION LINES RISE 48" OR MORE, PROVIDE A SHORT RADIUS SUCTION LINE TRAP AT THE BASE OF THE RISER.
- SLOPE REFRIGERANT LINES BACK TO COMPRESSORS AT 1" PER 20' OF RUN. LOCATE HIGHEST POINT OF REFRIGERATION LINES JUST BELOW ROOF DECK OVER CASE/COIL SERVED. ROUTE THROUGH WEBS IN JOISTS AND GIRDERS WHERE POSSIBLE. COORDINATE ELEVATION TO AVOID CONFLICTS WITH DUCTWORK, LIGHTING, SKYLIGHTS, ETC.
- CONDENSATE DRAIN; PITCH 2" DRAIN LINES DOWN APPROXIMATELY 1" PER 10' TOWARD DRAIN. PROVIDE COPPER PIPING WITH ELECTRIC HEAT TAPE AND INSULATION ON ALL CONDENSATE LINES EXPOSED TO FREEZING TEMPERATURES.
- PROVIDE PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR DRAIN W/AIR GAP; PITCH DRAINS 1" PER 10'.
- 1. PROVIDE PVC JACKET ON ALL REFRIGERATION LINES EXTERIOR TO BUILDING.
- 2. COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
- REFRIGERATION SYSTEM SHALL REMAIN OPERATIONAL DURING REMODELING. DURING THE PHASING OF OLD TO NEW SYSTEMS, BOTH NEW AND OLD REFRIGERATION SYSTEMS MAY BE REQUIRED TO OPERATE AT THE SAME TIME FOR A SHORT PERIOD.
- WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER WAL-MART MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.
- 15. COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS, WITH WAL-MART MECHANICAL SERVICES CONSTRUCTION MANAGER.
- 16. REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/ FREEZERS BEING REMOVED FROM SITE. COORDINATE WITH KYSOR PANEL SYSTEMS FOR TIME LINE OF REPLACEMENT. REFERENCE SPECIFICATION FOR CONTACT INFORMATION.
- 17. KYSOR PANEL SYSTEMS SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS. GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.
- 18. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
- 19. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES. 20. COORDINATE WITH EMS CONTRACTOR FOR THE
- REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES EMS WIRING AND DEVICES. 1. PROVIDE HDPE CLOSURE PANELS FOR
- REFRIGERATED CASES. REFER TO ARCH DRAWINGS FOR REQUIREMENTS.
- 22. EXISTING REFRIGERATION PIPING MAY BE RE-USED. REF REFRIGERATION LEGENDS FOR PIPE SIZE REQUIREMENTS.
- 23. SEE REFRIGERATION SCHEDULE FOR EVAPORATOR TYPES, SIZES, AND CAPACITIES; CONTROL METHOD; AND ALL REFRIGERATION PIPING SIZES, ETC.
- 24. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
- 25. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
- 26. IF ANY RACK SYSTEMS WILL BE OPENED TO ADD OR REPLACE CASES, EVAPORATORS, ETC. THEN 24 TO 48 HOURS AFTER THE WORK IS COMPLETED AND ALL FINAL ADJUSTMENTS HAVE BEEN MADE, PROVIDE AND CHANGE LIQUID LINE FILTER CORES, OIL SYSTEM FILTER USING SPORLAN STYLE FILTER, AND REPLACE SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15600.
- 27. ALL UNISTRUT, UNISTRUT CLAMPS AND FITTINGS SHALL BE HOT-DIPPED GALVANIZED.
- 28. COMPLETE ASSET TAGGING PROCESS FOR ALL NEW REFRIGERATED CASES. REFER TO SPECIFICATIONS.
- 29. UPON START-UP OF ALL NEW REFRIGERATED EQUIPMENT, SAM'S CLUB CONSTRUCTION MANAGER SHALL REQUEST THE BUILDING PERFORMANCE REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. ANY DEVIATIONS NOTED ON THE REPORT MUST BE CORRECTED PRIOR TO PROJECT CLOSE OUT. REQUEST VIA EMAIL AT SAMSHVACR ASSETTEAM@SAMSCLUB.COM.

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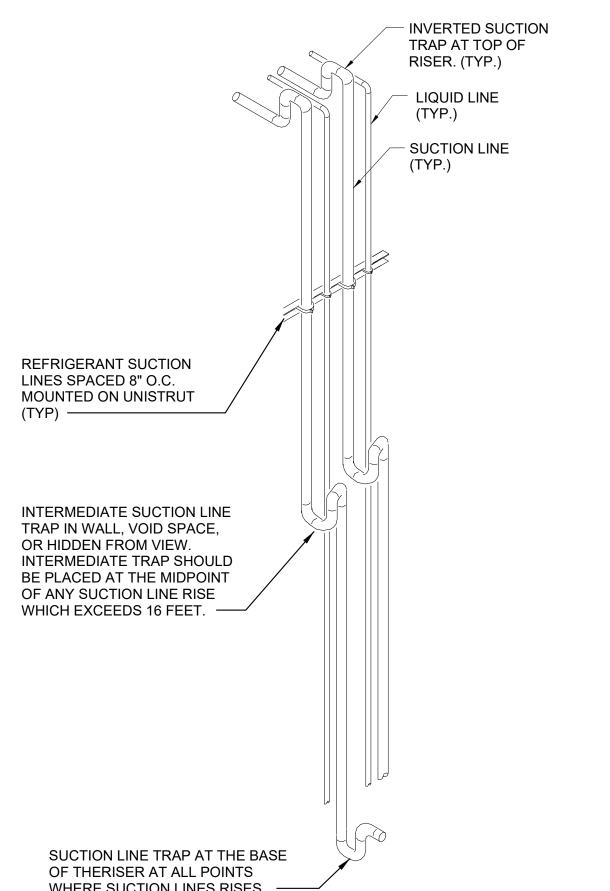
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CKT # B01	Number	Date	FT/# of Doors 32 FT	1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8' 4	5 Dr/10'	6 Dr/12'	L	W	H	
B02 B03			24 FT 48 FT				6		2				
B04 B05			48 FT 48 FT				6 6						
B06 B07			32 FT 20 FT				4		1				
B08 B09			12 FT 8 FT				1		1				
B10 B10a				MAIN C	IRCUIT - SUI		ARE BELOW			44	20	16	
B10b B11										44	20	16	
B12 B12a				MAIN C	IRCUIT - SUI		ARE BELOW			46	20	16	
B12a B12b B13										8	20	10	
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B17 B17a							ARE BELOW			54	20	16	
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LOOP B3* B20*	RD2009.352**	2/27/2017	8 FT 8 FT			BCIRCUITS	ARE BELOW						
3.)	Owner's designated i The schedule data t Contractor shall field	for existing to rer	ipment manufacture main components, ci tatus of data shown	ircuit loads an	nd electrical c				documents a	and may	not refle	ect as-built	t cor
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REFRIGERANT SUCTION LINES SPACED 8" O.C. MOUNTED ON UNISTRUT (TYP)

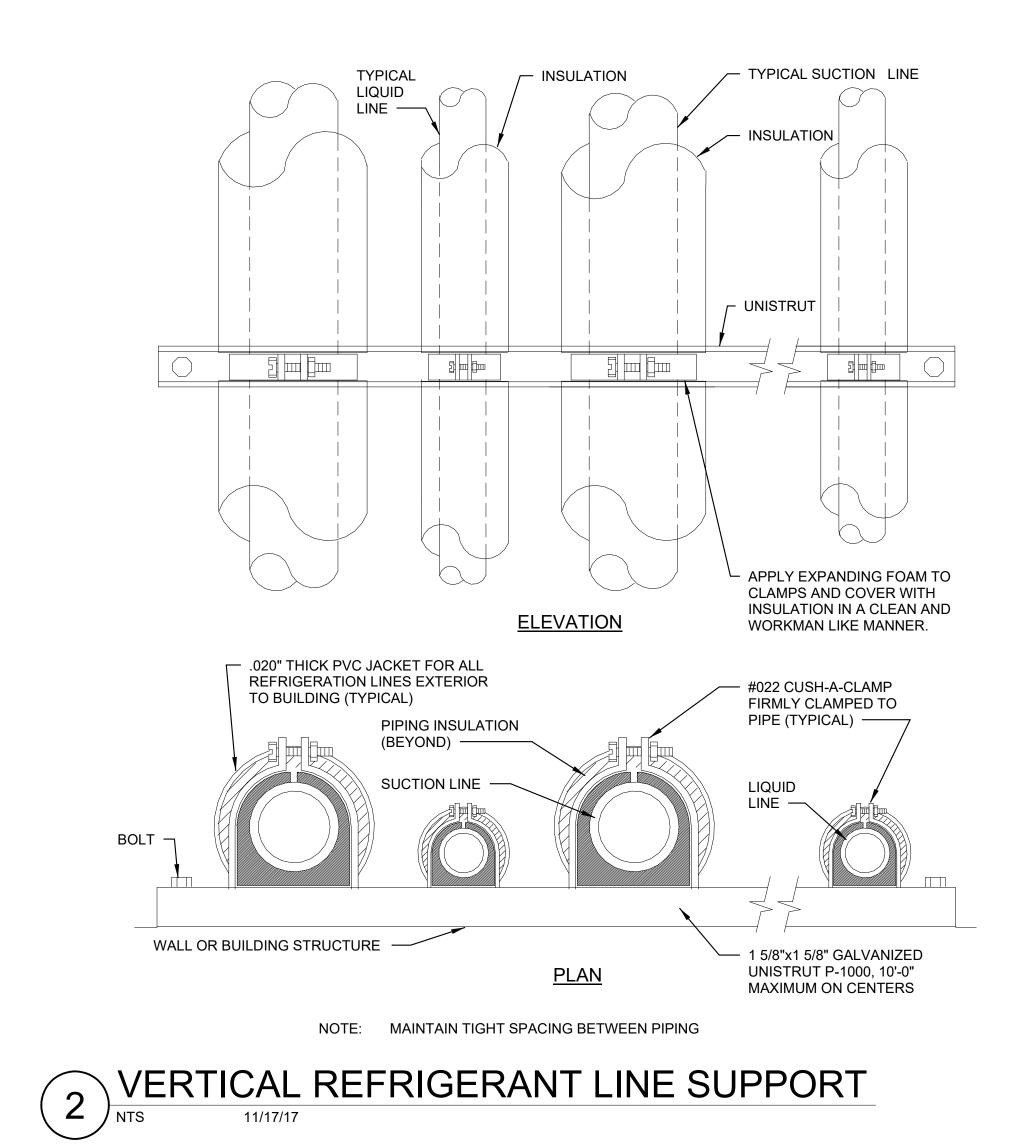
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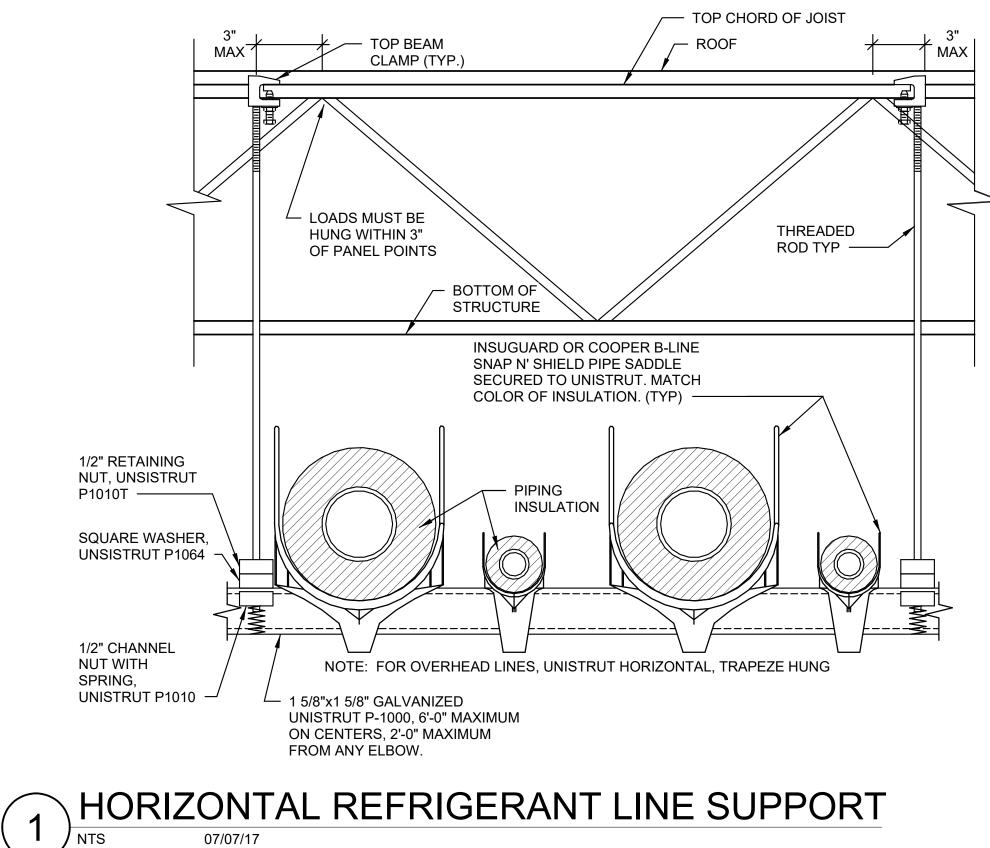
WHERE SUCTION LINES RISES. _____

TEM RACK B				Refrig. BAS:	Novar	Condenser Type:	Air	ŀ	H/R Media:	N/A	SG1 Liq Temp ºF:	50	SG2 Liq Temp °	F:	N/A		DESIGN DE	₿ °F :	97	ASHRAE Weather Station Location:	STEWART INTL, NY
System Type:	Rackhouse - Central DX	Refrigerant:	R407A	System Elec:	460V 3Ph 60Hz	Sat. Cond. Temp ºF:	112		H/R Use:	N/A	SG1 Comp RGT °F:	30	SG2 Comp RGT	°F:	N/A		DESIGN WE	3 °F :	75	EXTERIOR DRY BULB (DB) °F: (Based on 5 yr Extreme DB)	
Consultant:	Roy R. Payne, P.E.	Estimated Refrigerant Char	ge	Defrost Elec:	208V 1Ph/3Ph 60Hz	Cond Design TD °F:	15	H/R	R Water GPM:	N/A						DESIG	N INTERIOR E	ORY BULB °F :	75	EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	
Prepared by:	Mitch Clouser	Rack and Condenser (lbs)		Sys.Pilot Elec:	208V 1Ph 60Hz	Evap. Superheat °F:	10	Est. Su	Immer THR MBH:	N/A						DES	SIGN INTERIC)R RH %:	55%	ASHRAE PUBLISHED YEAR:	
Specifications Section:				Cand Flag						N1/A											
	15610 v4.0 - DX CIRCUIT INFORMATION	Fixture and Field Piping (lbs)		Cond. Elec:	460V 3Ph 60Hz			EST. VV	/inter THR MBH:	N/A				FIXTURE ELE	CTRICAL IN	FORMATION				DESIGN ELEVATION (FT): MISC INFORMATION	
	Case / Coil				Evaporator Coil	Sub-Circuit Load	Circuit Load	Even	Case/ Walk-In	Circuit	Operational Marking of	Defrect	Define et la eter			F	Lights	Anti-Sweat	Drain Pan		
Open / Opil Madel #		A multipation		LSHX	·			Evap.			Control Valves	Defrost	Defrost Heaters			Fans	Amps	Amps	Amps	Ormanita	
Case / Coil Model #	Manufacturer	Application		Model #	TXV / Distributor	(MBH)	(MBH)	SST	Air Temp	EEPR	LLSV	Туре	Amps	Voltage	Amps	Voltage	(120v)	(120v)	(120v)	Comments	
OM-NRG NMG	HILL TYLER	SD Meat SD Meat					13.8	24	25	CDST-4-7	E3S140	OT	00.0	N/A	<u> </u>	120/1		1.0		EXISTING CASES EXISTING CASES	
NMG / NMF	TYLER	SD Meat					10.8 21.8	15	28	CDST-7-7 CDST-7-7	E3S140 E5S140	EL	20.6 28.0	208/1 208/3	0.0	120/1		2.0		EXISTING CASES	
DX6XN	KYSOR / WARREN	M.D. Deli					57.9	25	20	CDST-9-11	E6S150	EL OT	20.0		<u>6.2</u> 4.0	208/1		9.4		EXISTING CASES	
DX6XN	KYSOR / WARREN	M.D. Deli					57.9	25	32	CDST-9-11 CDST-9-11	E6S150	OT		N/A N/A	4.0			9.4		EXISTING CASES	
NMG	TYLER	SD Meat					14.3	15	28	CDST-9-11 CDST-7-7	E6S150	EL	18.0	208/3		208/1		2.6		EXISTING CASES	
Nig	TYLER	M.D. Deli					30.2	21	34	CDST-7-9	E6S150	OT	10.0	N/A	4.0	120/1		2.0		EXISTING CASES	
N6DL	TYLER	M.D. Cake					18.1	21	34	CDST-4-7	E6S150	OT		N/A N/A	1.8	120/1	6.0			EXISTING CASES	
N3M	TYLER	Three Deck Cake					7.7	15	27	CDST-4-7	E6S150	01 0T		N/A	1.0	120/1	2.4	6.0		EXISTING CASES	
140101		2/3 Produce Cooler				TOTAL MAIN CIRCUIT:	43.6	28	36	CDST-7-11	E6S150	EL	60.8	208/1	5.0	120/1	2.4	0.0		Circuit Load & Electrical Are Totals Of	The Subcircuits
WK-340	BOHN	1/3 Produce Cooler		ETR		21.8	10.0	28	36	0001-7-11	200100	EL	30.4	208/1	2.5	208/1				EXISTING COIL	
WK-340	BOHN	1/3 Produce Cooler		ETR		21.8		28	36			EL	30.4	208/1	2.5	208/1				EXISTING COL	
WK-340	BOHN	1/3 Produce Cooler		ETR			21.8	28	36	CDST-2-7	E3S140	EL	30.4	208/1	2.5	208/1				EXISTING COL	
WKE-340	BOHN	Meat Cooler				TOTAL MAIN CIRCUIT:	59.6	18	28	CDST-17-17	E9S270	OT	60.8	208/1	5.0	120/1				Circuit Load & Electrical Are Totals Of	The Subcircuits
		1/2 Meat Cooler		ETR		29.8		18	28		200210	OT	30.4	208/1	2.5	120/1				EXISTING COIL	
		1/2 Meat Cooler		ETR		29.8		18	28			ОТ	30.4	208/1	2.5	120/1				EXISTING COL	
ADT-120	BOHN	Bakery Cooler		ETR			12.0	25	35	CDST-2-7	E3S140	OT		N/A	1.8	120/1				EXISTING COIL	
WK-180	BOHN	Deli Processing Prep		ETR			19.8	32	43	CDST-17-7	E3S140	OT		N/A	2.7	120/1				EXISTING COIL	
		Meat Prep				TOTAL MAIN CIRCUIT:	30.8	31	43	CDST-17-9	E5S140	OT		N/A	3.6	120/1				Circuit Load & Electrical Are Totals Of	The Subcircuits
WK-130	BOHN	1/2 Meat Prep		ETR		15.4		31	43			OT		N/A	1.8	120/1				EXISTING COIL	
WK-130	BOHN	1/2 Meat Prep		ETR		15.4		31	43			ОТ		N/A	1.8	120/1				EXISTING COIL	
		1/2 POS Cooler				TOTAL MAIN CIRCUIT:	48.0	25	35	CDST-7-11	E6S150	OT		N/A	11.2	120/1				Circuit Load & Electrical Are Totals Of	The Subcircuits
BMA-245	BOHN	1/4 POS Cooler		ETR		24.0		25	35			OT		N/A	5.6	120/1				EXISTING COIL	
BMA-245	BOHN	1/4 POS Cooler		ETR		24.0		25	35			OT		N/A	5.6	120/1				EXISTING COIL	
		1/2 POS Cooler				TOTAL MAIN CIRCUIT:	48.0	25	35	CDST-7-11	E6S150	ОТ		N/A	11.2	120/1				Circuit Load & Electrical Are Totals Of	The Subcircuits
BMA-245	BOHN	1/4 POS Cooler		ETR		24.0		25	35			ОТ		N/A	5.6	120/1				EXISTING COIL	
BMA-245	BOHN	1/4 POS Cooler		ETR		24.0		25	35			ОТ		N/A	5.6	120/1				EXISTING COIL	
		Subcooler Load Rack A					104.9	35													
		Sushi Island				TOTAL MAIN CIRCUIT:	6.5	20	30	PORT-3-5**		ОТ		N/A	2.1	120/1	0.3	0.7		Circuit Load & Electrical Are Totals Of	The Subcircuits
Q2-SPN High Efficiency**	Hussmann	Self Service Seafood				5.1		22	32	SDR-3**	E3S140**	ОТ		N/A	0.5	120/1	0.3			NEW CASE	
Q3-SP-RRS**	Hussmann	Service Deli Refrigerated Rear S	Storage			1.4		20	30	SDR-2**	E3S140**	ОТ		N/A	1.6	120/1				NEW CASE	
					Suction	Group #1 Required Capacity:	627.5	13	(°F) Suction Terr	perature									·		



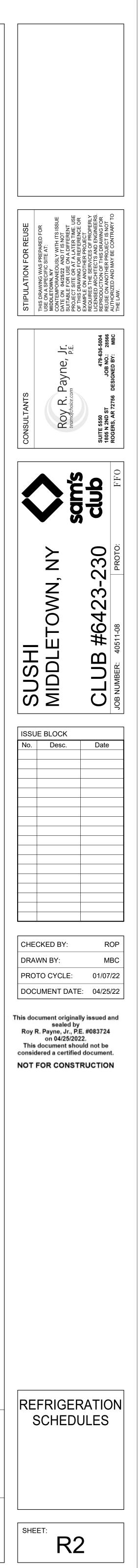
3 INTERMEDIATE SUCTION LINE TRAP DETAIL





EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK RROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WIHT ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

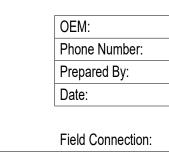


		Ctore / C	Malmart 6400						Hostoroft Montaluide Define and the			Nover				
		Store / Cust:	Walmart 6423					OEM:	Heatcraft Worldwide Refrigeration		EMS Manufacture:	Novar				
Dook A		Location:	Wallkill, NY USA 697192, Rev 2 , Rev					Phone Number:	706-568-151	4	Rack EMS Model #:	Opus				
Rack A Model No:	TD600-067-VL-4-FHSRF-A	Quote / Job:: Proto Size:	General Remodel					Prepared By: Date:	Watson, L 8/2/2012	_						
Model No.	10000-007-VE-4-11131(1-A	Equipment Type:	House / Central					Dale.	0/2/2012							
								Field Connection:	See Remote Manifold							
Rev.	Date	Bv:	Description:								Power	HOUSE 1	Rack LTA	Standby	Control	
	1 12/6/2012	L. Watson	Updating legend to remove obsolete compressors							_	Voltage	460/60/3	460/60/3	208/60/3	208/60/1	
	2 12/20/2012	L. Watson	Changed Rack B load per EOR							_	MCA	569		158.5 24.0	2.6	
										_	MOPD	600		175 30	10	
Refrigerant Type	R407A															
Condenser Model #	BNL-D06-A042	Coated (Y/N)	N Discharge				Heat Reclaim			Liquid			Receiver			,
Fan RPM		830 Fin Spacing (FPI)	10 Manifold Siz	Ze	2-	-1/8	Water/Air		Water	Line size from reciever		1-1/8	Orientation		H (Heated and Insulated)	
T.D.		14.4	Disch. Regu			one	Desuperheating or Full Cond		Desuperheating	Manifold		1 1/8	Dia. x Length		12.75 x 075	
FLA		19.8		enser Supply		-5/8	Heat Exchanger Model #			Drier		STAS-969T	Lbs. @ 80% Pumpdown			287
MOPD		25					Heat Reclaim Valve		(2) III-I 16D17B	Sightglass		A18120	Condenser Flooding Charge			287 21
Weight (lbs)		1990	Oil System				GPM			0 Main Cond. Return		1-1/8	Rack & Cond Ref. Charge			283
VFD	VFD 460 BP 29A 407A		Discharge (Dil Separator	S	-5394	Isol. Valve To		2-1/8	Drain Regulator		A81-1.125-1.125	Reciever Pressurization		X55-CROT-6 80/200	
Split		50	50 Oil Reservo			one	Isol. Valve From		2-1/8	Liquid Pressure Regulator		A810E-1.125-1.125	Surge Solenoid		B25S2	
Solenoid	OE42S2130	OE42S2130	Oil Brand T			il EAL Artic-22 CC				LPR Bypass Solenoid		OE25S290	Operating Pressure			450
Isol. Valve to	1-5/8	1-5/8	Oil Different			1236-C										
Isol. Valve from	1-5/8	1-5/8														
																I
																l
Suction Group 1 Design Requirements			Suction Gro	up 1 System Capabilities				System Piping Connections		Liquid	Suction	Defrost				
				up 1 System Capabilities				System Piping Connections		Liquid 7/8	Suction	Defrost				
Suction Group 1 Design Requirements Total Load Required (MBH)			372.9 Net Refrig E	ffect Available (MBH)			109.9%	409.7 Loop 1A		7/8	2-5/8	None				
Total Load Required (MBH) Condensing Temp. (°F)			372.9 Net Refrig E 112 % Net Refri	ffect Available (MBH) g Effect Avail			109.9%	409.7 Loop 1A Loop 2A		7/8 7/8	2-5/8 2-5/8	None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F)			372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap	ffect Available (MBH) g Effect Avail acity Available (MBH)				409.7 Loop 1A Loop 2A 452.9 Loop 3A		7/8	2-5/8 2-5/8 2-1/8	None None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F)			372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH)				409.7 Loop 1A Loop 2A		7/8 7/8 5/8	2-5/8 2-5/8	None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F)			372.9Net Refrig E112% Net Refri97Comp. Cap-22Total Heat of30Suction Mar	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size			4-1/8	409.7 Loop 1A Loop 2A 452.9 Loop 3A		7/8 7/8 5/8	2-5/8 2-5/8 2-1/8	None None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F)			372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mat 50 Suction Filte	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size			4-1/8 BTAS-525SV	409.7 Loop 1A Loop 2A 452.9 Loop 3A		7/8 7/8 5/8	2-5/8 2-5/8 2-1/8	None None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F)			372.9Net Refrig E112% Net Refri97Comp. Cap-22Total Heat of30Suction Mar	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size			4-1/8	409.7 Loop 1A Loop 2A 452.9 Loop 3A		7/8 7/8 5/8	2-5/8 2-5/8 2-1/8	None None None				
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F)	Suction Group 1		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Comp	ondenser Heat of	4-1/8 BTAS-525SV	409.7 Loop 1A Loop 2A 452.9 Loop 3A 550.4 Spare	VED	7/8 7/8 5/8 7/8	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Image: state s		HD	RPM	
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Suction Group 1		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	· ·	ondenser Heat of	4-1/8 BTAS-525SV	409.7 Loop 1A Loop 2A 452.9 Loop 3A 550.4 Spare Variable	VFD	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8 Max. Var.	None None None	Unloader	HP	RPM	
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F)	Compressor Model		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc Ket Refrig. % of Load	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW	409.7Loop 1ALoop 2A452.9Loop 3A550.4Spare	Model	7/8 7/8 5/8 7/8	2-5/8 2-5/8 2-1/8 1-5/8 Max. Var. Capacity	None None None None Unloader	%			
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model 1 4DHXF63KL-TSK-C27		372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord Kefrig. Effect (MBH) 62.7 16.8%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7	409.7Loop 1ALoop 2A452.9Loop 3A550.4Spare200<	Model None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8 	None None None None Unloader 62.7 Digital	Unloader % 50.0%	10	.0	1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27		372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mai 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 48.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8	409.7Loop 1ALoop 2A452.9Loop 3A550.4Spare	Model None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8 	None None None None None None None	%	10 7	.0 .0	1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27		372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mai 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 48.5 48.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 58.8	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8 	None None None None Unloader 62.7 Digital 43.9	%	10 7 7	0 0 0 0	1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model14DHXF63KL-TSK-C2723DS3F46KL-TFD-C2733DS3F46KL-TFD-C2744DJNF76KL-TSK-C27		372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mai 50 Suction Filter 10 Suction Accord Effect (MBH) % of Load 43.9 11.8% 43.9 11.8% 75.7 20.3%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 83.6	ejection (MBH) { { { { { { { { { { { { { { { { { { {	84.7 58.8 01.4	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareVariableCapacity?YESNONONONONO	Model None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 43.9 75.7	%	10 7 7 12	0 0 0 5	1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model14DHXF63KL-TSK-C2723DS3F46KL-TFD-C2733DS3F46KL-TFD-C2744DJNF76KL-TSK-C27		372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mai 50 Suction Filter 10 Suction Accord Effect (MBH) % of Load 43.9 11.8% 43.9 11.8% 75.7 20.3%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 83.6	ejection (MBH)	84.7 58.8 01.4	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareVariableCapacity?YESNONONONONO	Model None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 43.9 75.7	%	10 7 7 12 15	0 0 0 5	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8		372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Compressor Compressor	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27	% of Required Load	372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Accord Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8	From	372.9 Net Refrig E 112 % Net Refri 97 Comp. Cap -22 Total Heat of 30 Suction Mail 30 Suction Filte 10 Suction Acc Net Refrig. Effect (MBH) % of Load 43.9 11.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 75.7 70	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8	From 7.7%	372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc 112 % of Load 112 % of Load 112 % of Load 112 % of Load 111 % 111 % 111 % 111 % 111 % 111 % 111 % 111 % 111 % 111 % <td< td=""><td>Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size</td><td>Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5</td><td>ejection (MBH)</td><td>4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3</td><td>409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state state</td><td>Model None None None None None None None</td><td>7/8 7/8 5/8 7/8 </td><td>2-5/8 2-5/8 2-1/8 1-5/8</td><td>None None None None None Unloader 62.7 Digital 43.9 75.7 91.8</td><td>%</td><td>10 7 7 12 15</td><td>0 0 0 5 0</td><td>1,750 1,750 1,750 1,750 1,750 1,750</td></td<>	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 2	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2	From 7.7% 19.4%	372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mail 30 Suction Filte 10 Suction Acc Net Refrig. Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 43.9 11.8% 91.8 24.6% 91.8 24.6% 16.8% 28.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 4	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,2,3	From 7.7% 19.4% 31.2%	372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mail 30 Suction Filte 10 Suction Acc 112 % of Load 112 % of Load 112 % of Load 111 % of Load 1111 % 1111 % of Load 1111 % 1111 % 1111 % 1111 % 1111 % 1111 % 1111 % 1111 % 1111 % <td>Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size</td> <td>Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5</td> <td>ejection (MBH)</td> <td>4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3</td> <td>409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state state</td> <td>Model None None None None None None None</td> <td>7/8 7/8 5/8 7/8 </td> <td>2-5/8 2-5/8 2-1/8 1-5/8</td> <td>None None None None None Unloader 62.7 Digital 43.9 75.7 91.8</td> <td>%</td> <td>10 7 7 12 15</td> <td>0 0 0 5 0</td> <td>1,750 1,750 1,750 1,750 1,750 1,750</td>	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 4 Step 5	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,3,4	From 7.7% 19.4% 31.2% 39.7%	372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc Refrig. Void Load Effect (MBH) % of Load 43.9 11.8% 43.9 11.8% 91.8 24.6% 91.8 24.6% 91.8 24.6% 28.6% 40.4% 48.9% 48.9%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 4 Step 5 Step 6	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,3,4 1,2,3,4 1,2,3,4	From 7.7% 19.4% 31.2% 39.7% 51.5%	372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mai 50 Suction Filte 10 Suction Acc Net Refrig. Void Load Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 16.8% 28.6% 40.4% 48.9% 60.6% 60.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 2 Step 5 Step 7	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,3,4 1,2,3,4 1,2,3,4	From 7.7% 19.4% 31.2% 39.7% 51.5% 2,3,5 55.8%	372.9 Net Refrig E 112 % Net Refrig E 97 Comp. Cap -22 Total Heat of 30 Suction Mai 30 Suction Filte 10 Suction Acc Net Refrig. Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 91.8 24.6% 28.6% 40.4% 48.9% 60.6% 65.0% 60.6%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 2 Step 4 Step 5 Step 7 Step 8	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor 0n 1 1,2 1,2,3 1,3,4 1,2,3,4 1,2,3,4	From 7.7% 19.4% 31.2% 39.7% 51.5% 2,3,5 55.8% 3,4,5 64.3%	372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc Net Refrig. Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 16.8% 28.6% 40.4% 48.9% 60.6% 65.0% 73.5%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 4 Step 5 Step 6 Step 8 Step 9	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,3,4 1,2,3,4 1,2,3,4 1,2,3,4 1,2,3,4	From 7.7% 19.4% 31.2% 39.7% 51.5% 2,3,5 55.8% 3,4,5 64.3% 3,4,5	372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filter 10 Suction Acc Net Refrig. Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 10.8% 28.6% 40.4% 48.9% 60.6% 65.0% 73.5% 85.3%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750
Total Load Required (MBH) Condensing Temp. (°F) Outdoor Design DB Temp. (°F) Saturated Suction Temp. (°F) Return Gas Temp. (°F) Subcooled Liquid Temp. (°F) Superheat for NRE(°F) Compressor Position Compressor Staging Step 1 Step 2 Step 5 Step 6	Compressor Model 1 4DHXF63KL-TSK-C27 2 3DS3F46KL-TFD-C27 3 3DS3F46KL-TFD-C27 4 4DJNF76KL-TSK-C27 5 6DHNF93KL-TSK-C27 6 6DHNF93KL-TSK-C27 7 8 Compressor On 1 1,2 1,2,3 1,3,4 1,2,3,4 1,2,3,4 1,2,3,4 1,2,3,4	From 7.7% 19.4% 31.2% 39.7% 51.5% 2,3,5 55.8% 3,4,5 64.3%	372.9 Net Refrig E 112 % Net Refrig 97 Comp. Cap -22 Total Heat of 30 Suction Mail 50 Suction Filte 10 Suction Acc Net Refrig. Effect (MBH) % of Load 62.7 16.8% 43.9 11.8% 75.7 20.3% 91.8 24.6% 91.8 24.6% 16.8% 28.6% 40.4% 48.9% 60.6% 65.0% 73.5%	Effect Available (MBH) g Effect Avail acity Available (MBH) of Rejection (MBH) nifold Size	Capacity (MBH) R 69.3 69.3 48.5 48.5 83.6 101.5	ejection (MBH)	4-1/8 BTAS-525SV S-7727KW 84.7 58.8 01.4 23.3	409.7Loop 1ALoop 2A452.9Loop 3A550.4SpareImage: Space state	Model None None None None None None None	7/8 7/8 5/8 7/8 	2-5/8 2-5/8 2-1/8 1-5/8	None None None None None Unloader 62.7 Digital 43.9 75.7 91.8	%	10 7 7 12 15	0 0 0 5 0	1,750 1,750 1,750 1,750 1,750 1,750

		Store / Cust:	Walmart 6423
		Location:	Wallkill, NY USA
Rack B		Quote / Job::	697192, Rev 2 , Rev
Model No:	TD600-075-VC-4-FHSLF-B	Proto Size:	General Remodel
		Equipment Type:	House / Central
Rev.	Date	By:	Description:
1	12/6/2012	L. Watson	Updating legend to remove obsolete
2	12/20/2012	L. Watson	Changed Rack B load per EOR
Refrigerant Type	R407A		
Condenser Model #	BNL-D10-A083	Coated (Y/N)	Ν
Fan RPM	830	Fin Spacing (FPI)	10
T.D.	12.8		
FLA	33.0		
MOPD	40		
Weight (lbs)	3540		
VFD	VFD 460 BP 43A 407A		
Split	50	50	
Solenoid	OE42S2130	OE42S2130	
Isol. Valve to	2-5/8	2-5/8	
Isol. Valve from	2-1/8	2-1/8	

Suction Group 1 Design Requirements				Quetien Crown 1 System Conschilition			System Piping Connections	
				Suction Group 1 System Capabilities				
Total Load Required (MBH)				627.5 Net Refrig Effect Available (MBH)		40470/	657.0 Loop 1B	
Condensing Temp. (°F)				112 % Net Refrig Effect Avail		104.7%	Loop 2B	
Outdoor Design DB Temp. (°F)				97 Comp. Capacity Available (MBH)			720.0 Spare	
Saturated Suction Temp. (°F)				13 Total Heat of Rejection (MBH)			975.6	
Return Gas Temp. (°F)				50 Suction Manifold Size		4-1/8		
Subcooled Liquid Temp. (°F)				50 Suction Filter		(2) BTAS-525SV		
Superheat for NRE(°F)				10 Suction Accumulator		(2) S-7727KW		
Compressor	Suction Group 1		Net Refrig.		Comp	Condenser Heat of	Variable	VFD
Position	Compressor Model		Effect (MBH)	% of Load	Capacity (MBH)	Rejection (MBH)	Capacity?	Model
	1 3DSDS12ML-TFD-C27			92.0 14.7%	101.0	137.3	YES	None
	2 3DS4S12ML-TFD-C27			92.0 14.7%	101.0	137.3	NO	None
	3 3DS4S12ML-TFD-C27			92.0 14.7%	101.0	137.3	NO	None
	4 4DHNS16ML-TSK-C27			127.0 20.2%	139.0	187.9	NO	None
	5 4DHNS16ML-TSK-C27			127.0 20.2%	139.0	187.9	NO	None
	6 4DHNS16ML-TSK-C27			127.0 20.2%	139.0	187.9	NO	None
	7							
	8							
Compressor	Compressor	% of Required Load						
Staging	On	From	То					
Step 1	1	1.4%	14.7%					
Step 2	1,2	16.1%	29.3%					
Step 3	1,2,3	30.8%	44.0%					
Step 4	1,3,4	36.3%	49.6%					
Step 5	1,2,3,4	51.0%	64.3%					
Step 6		1,3,4,5, 56.5%	69.8%					
Step 7		1,2,3,4,5 71.2%	84.5%					
Step 8		1,3,4,5,6 76.7%	90.0%					
Step 9		1,2,3,4,5,6 91.4%	104.7%					

			OEM:	Heatcraft Worldwide
			Phone Number:	
			Prepared By:	Watson, L
			Date:	8/2/2012
			Field Connection:	See Remote Manifol
ete	compressors			
	Discharge		Heat Reclaim	
10	Discharge Manifold Size	2-1/8	Heat Reclaim Water/Air	Water
10		2-1/8 None		Water Desuperheating
10	Manifold Size		Water/Air	Desuperheating
10	Manifold Size Disch. Regulator	None	Water/Air Desuperheating or Full Cond	
10	Manifold Size Disch. Regulator	None	Water/Air Desuperheating or Full Cond Heat Exchanger Model #	Desuperheating (2) III-I
10	Manifold Size Disch. Regulator Main Condenser Supply	None	Water/Air Desuperheating or Full Cond Heat Exchanger Model # Heat Reclaim Valve	Desuperheating (2) III-I
10	Manifold Size Disch. Regulator Main Condenser Supply Oil System	None 1-5/8	Water/Air Desuperheating or Full Cond Heat Exchanger Model # Heat Reclaim Valve GPM	Desuperheating (2) III-I 16D17B
10	Manifold Size Disch. Regulator Main Condenser Supply Oil System Discharge Oil Separator	None 1-5/8 S-5394	Water/Air Desuperheating or Full Cond Heat Exchanger Model # Heat Reclaim Valve GPM Isol. Valve To	Desuperheating (2) III-I 16D17B 2-1/8



		OEM:	Heatcraft Worldwide Refrigeration		EMS Manufacture:	Novar		
		Phone Number:	706-568-151	4	Rack EMS Model #:	Opus		
		Prepared By:	Watson, L					
		Date:	8/2/2012					
		Field Connection:	See Remote Manifold					
					Power	Main	Control	Transformer (KVA)
					Voltage	460/60/3	208/60/1	N/A
					MCA	15	53.1 0	
					MOPD		175 0	
	Heat Reclaim			Liquid			Receiver	Sut
2-5/8	Water/Air		None	· ·		1-3/8		H Hea
None	Desuperheating or Full Cond		None	Manifold		1-3/8	Dia. x Length	H (Heated and Insulated) S.C.
2-5/8	Heat Exchanger Model #		None	Drier		STAS-19211T	Lbs. @ 80% Pumpdown	406 S.C
	Heat Reclaim Valve		None	Sightglass		A18121	Condenser Flooding Charge	39 _{Tot}
	GPM		None	Main Cond. Return		1-3/8	Rack & Cond Ref. Charge	418 Sat
S-5303	Isol. Valve To		None	Drain Regulator		A81-1.375-1.375	Reciever Pressurization	
None	Isol. Valve From		None	Liquid Pressure Regulator		A810E-1.375-1.375	Surge Solenoid	X55-CROT-6 80/200 Sul E35S1110 Exp
Oil EAL Artic-22 CC				LPR Bypass Solenoid		OE35S1110	Operating Pressure	450 Exp
Y1236-C				L		ł		Liq
	2-5/8 S-5303 None Oil EAL Artic-22 CC	None Desuperheating or Full Cond 2-5/8 Heat Exchanger Model # Heat Reclaim Valve GPM S-5303 Isol. Valve To None Isol. Valve From Oil EAL Artic-22 CC Valve From	Phone Number: Prepared By: Date: Field Connection: Field Connection: Second Participation Variable V	Phone Number: 706-568-151. Prepared By: Watson, L Date: 8/2/2012 Field Connection: See Remote Manifold See Remote Manifold 2-5/8 Water/Air None Desuperheating or Full Cond None 2-5/8 Heat Reclaim None 2-5/8 Heat Reclaim or Full Cond None 2-5/8 Heat Reclaim or Full Cond None Q-5/8 Heat Reclaim or Full Cond None 2-5/8 Heat Reclaim or Full Cond None GPM None None GPM None None S-5303 Isol. Valve To None None Isol. Valve From None OII EAL Artic-22 CC None None	Phone Number: 706-568-1514 Prepared By: Watson, L Date: 8/2/2012 Field Connection: See Remote Manifold Liquid Liquid Liquid Liquid None Liquid Liquid None Liquid Liquid Liquid Liquid Liquid Liquid Liquid Liquid Protection: Bield Connection: <td>Phone Number: 706-568-1514 Prepared By: Watson, L Date: 8/2/012 Field Connection: See Remote Manifold Power Voltage MCA Other See Remote Manifold Power Voltage MCA Voltage MCA MCA MCA Voltage Voltage MCA Voltage MCA Voltage MCA Voltage MCA MCA Voltage Voltage Voltage Voltage Voltage Voltage Voltage Voltage Voltage</td> <td>Phone Number: 706-568-151 Prepared By: Watson, L Date: 8/2/2012 Field Connection: See Remote Manifold Power Power Power Water/Arr See Remote Manifold Power Power Voltage Output Voltage Voltage</td> <td>Phone Number: Propered By: Watson, L Date: 08/2012 Date: 08/2012 Field Connection: See Remote Manifoid Power Main Control Vitage 460/03 208/00/1 Control Nore Nore Nore Vitage 460/03 208/00/1 0 Nore Lupid Control Nore Nore Nore Nore Nore Nore 1.3/8 Dia. Length 0 2/5/8 Heat Reclaim Valve Nore Nore Nore 1.3/8 Dia. Length 1.5/8 (201/2) 0 2/5/8 Heat Reclaim Valve Nore Difer 1.3/8 Dia. Length 0 1.3/8 Dia. Length 2/5/8 Heat Reclaim Valve None Difer 1.3/8 Rack & Cond Ref. Charge 2/5/8 Heat Reclaim Valve None Difer 1.3/8 Rack & Cond Ref. Charge 2/5/8 Heat Reclaim Valve None Difer 1.3/8</td>	Phone Number: 706-568-1514 Prepared By: Watson, L Date: 8/2/012 Field Connection: See Remote Manifold Power Voltage MCA Other See Remote Manifold Power Voltage MCA Voltage MCA MCA MCA Voltage Voltage MCA Voltage MCA Voltage MCA Voltage MCA MCA Voltage Voltage Voltage Voltage Voltage Voltage Voltage Voltage Voltage	Phone Number: 706-568-151 Prepared By: Watson, L Date: 8/2/2012 Field Connection: See Remote Manifold Power Power Power Water/Arr See Remote Manifold Power Power Voltage Output Voltage Voltage	Phone Number: Propered By: Watson, L Date: 08/2012 Date: 08/2012 Field Connection: See Remote Manifoid Power Main Control Vitage 460/03 208/00/1 Control Nore Nore Nore Vitage 460/03 208/00/1 0 Nore Lupid Control Nore Nore Nore Nore Nore Nore 1.3/8 Dia. Length 0 2/5/8 Heat Reclaim Valve Nore Nore Nore 1.3/8 Dia. Length 1.5/8 (201/2) 0 2/5/8 Heat Reclaim Valve Nore Difer 1.3/8 Dia. Length 0 1.3/8 Dia. Length 2/5/8 Heat Reclaim Valve None Difer 1.3/8 Rack & Cond Ref. Charge 2/5/8 Heat Reclaim Valve None Difer 1.3/8 Rack & Cond Ref. Charge 2/5/8 Heat Reclaim Valve None Difer 1.3/8

 r	1	1	~		
Liquid	Suction	Defrost			
1-1/8	2-5/8	None			
1-1/8	2-5/8	None			
7/8	1-5/8	None			
			-		
Min. Var.	Max. Var.	Unloader	Unloader	HP	RPM
Capacity	Capacity		%		
9.0	90.3	Digital	90.0%	10.0	
90.3	90.3			10.0	
90.3	90.3			10.0	
123.5	123.5			15.0	
123.5	123.5			15.0	
123.5	123.5			15.0	

Transformer (KVA) 112.5

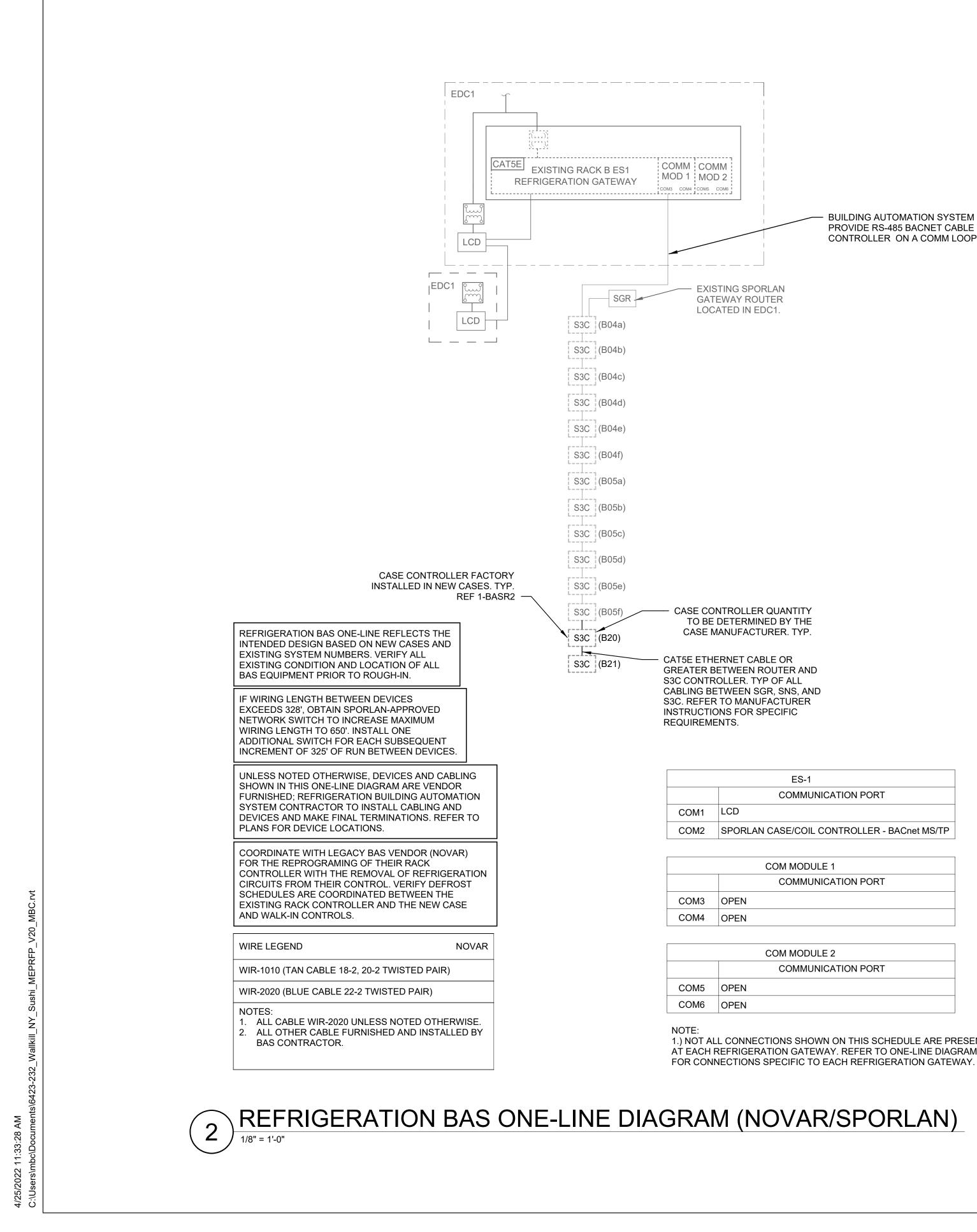
	Subcooler	
	Heat Exchgr Model	SC 12
	S.G.1 Subcooler Load(MBH)	104.9
287	S.G.2 Subcooler Load(MBH)	0.0
21	Total Subcooler Load(MBH)	104.9
283	Sat Suct Temp (°F)	35
	Subcooler Controller Model	None
	Expansion Valve #1	SVE-8-C
450	Expansion Valve #2	EBFVE-C-C
	Liquid Solenoid Valve #1	MB10S2
	Liquid Solenoid Valve #2	MB6S1 3/8
	Subcooler EPR Valve	Port-7-11
	Isol. Valve To	1-1/8
	Isol. Valve From	1-3/8

	RLA	LRA
1,750	22.95	139.00
1,750	14.68	106.00
1,750	14.68	106.00
1,750	25.38	187.00
1,750	35.90	225.00
1,750	35.90	225.00

	Subcooler	
	Heat Exchgr Model	SC 16
	S.G.1 Subcooler Load(MBH)	159.3
406	S.G.2 Subcooler Load(MBH)	0.0
39	Total Subcooler Load(MBH)	159.3
418	Sat Suct Temp (°F)	35
	Subcooler Controller Model	None
	Expansion Valve #1	SVE-15-C
450	Expansion Valve #2	EBFVE-C-C
	Liquid Solenoid Valve #1	MB10S2
	Liquid Solenoid Valve #2	MB6S1 3/8
	Subcooler EPR Valve	Port-9-11
	Isol. Valve To	1-3/8
	Isol. Valve From	1-3/8

	RLA	LRA
1,750	19.10	136.00
1,750	19.10	136.00
1,750	19.10	136.00
1,750	29.49	154.00
1,750	29.49	154.00
1,750	29.49	154.00

STIPULATION FOR REUSE	THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: MINDI ETOWIN NV	DECONTEMPORANEOUSLY WITH ITS ISSUE CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 0425/22 AND IT IS NOT SUITARI E COP LIFE ON A DIFFERENT	POLICIENT OF A LATER TIME. USE PROJECT SINE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR	LEADING THIS THE STATUS THE AND AND THE AND AND THE AND AND THE AND AND AND THE AND
STIPULATIC	THIS DRAWING WAS PREPARI USE ON A SPECIFIC SITE AT: MIDDI ETOWN NV		PROJECT SITE O OF THIS DRAWIN EYAMPI E ON AN	REQUIRES THE S LICENSED ARCHI REPRODUCTION
CONSULTANTS				
			sam's	club
		IN, NT		3-230
				CIUB#642
DR/ PR(ECKEI	BY: CYCLE		
	UPPLIED BY THE JRS, RACKS, AND	RCHÁSED BY	TO	- VERIFY ALL ALLATION.
NOTE:	THE INFORMATION ON THIS SHEET IS SUPPLIED BY THE OEM. AND DESCRIBES THE COMPRESSORS, RACKS, AND	HOUSES. THE EQUIPMENT WILL BE PURCH	REFRIGERATION CONTRACTOR; REFER TO	SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALI INFORMATION WITH OEM BEFORE INSTALLATION.
9	IHI HO	O H C	N N N N N N N	IN IN



1.) NOT ALL CONNECTIONS SHOWN ON THIS SCHEDULE ARE PRESENT AT EACH REFRIGERATION GATEWAY. REFER TO ONE-LINE DIAGRAM FOR CONNECTIONS SPECIFIC TO EACH REFRIGERATION GATEWAY.

ES-1
COMMUNICATION PORT
LCD
SPORLAN CASE/COIL CONTROLLER - BACnet MS/TP
COM MODULE 1
COMMUNICATION PORT
OPEN
OPEN
COM MODULE 2
COMMUNICATION PORT
OPEN
OPEN

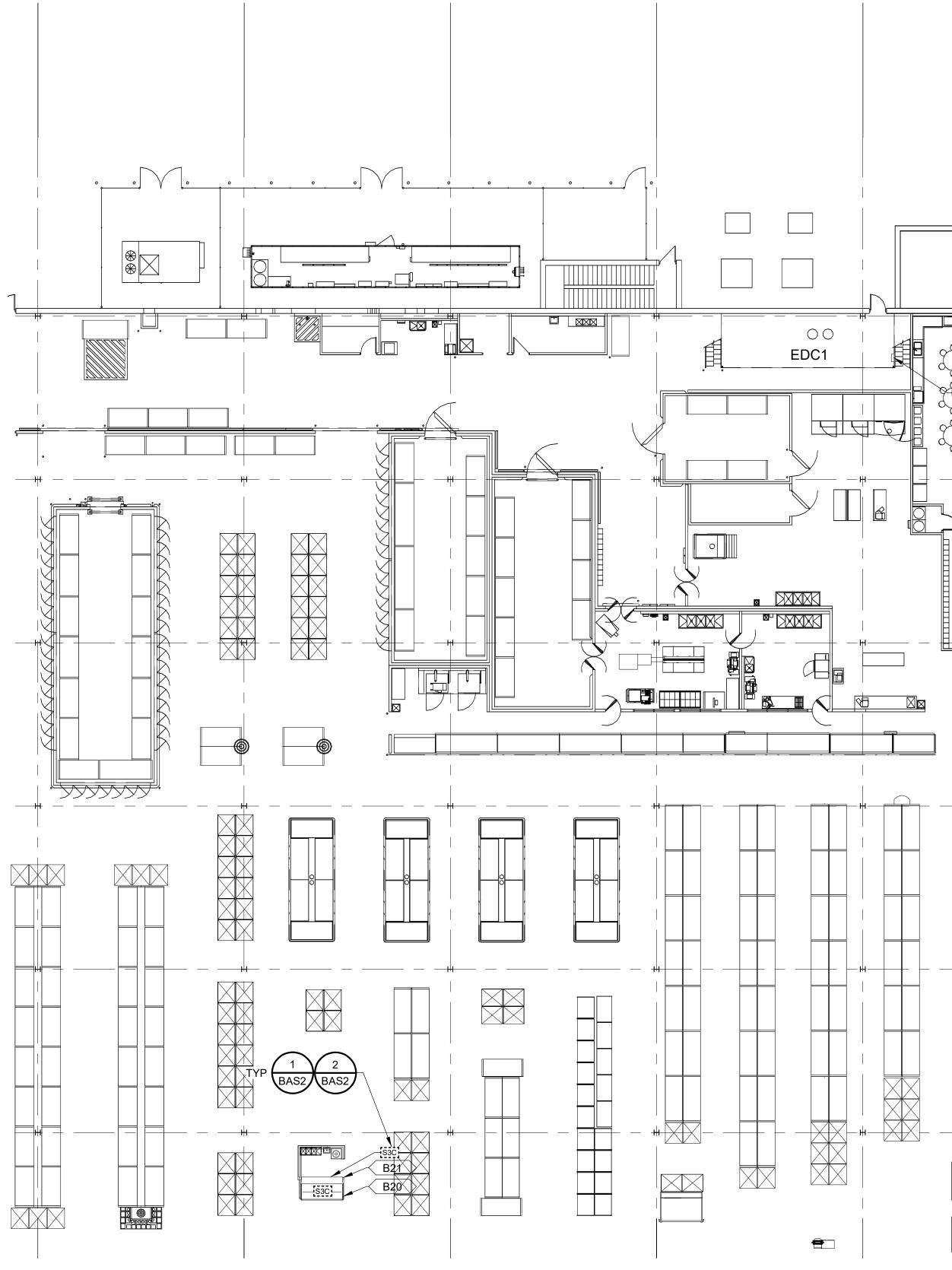
- BUILDING AUTOMATION SYSTEM CONTRACTOR TO PROVIDE RS-485 BACNET CABLE TO FIRST CASE/COIL

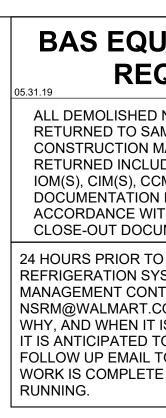
CONTROLLER ON A COMM LOOP ONLY. TYP

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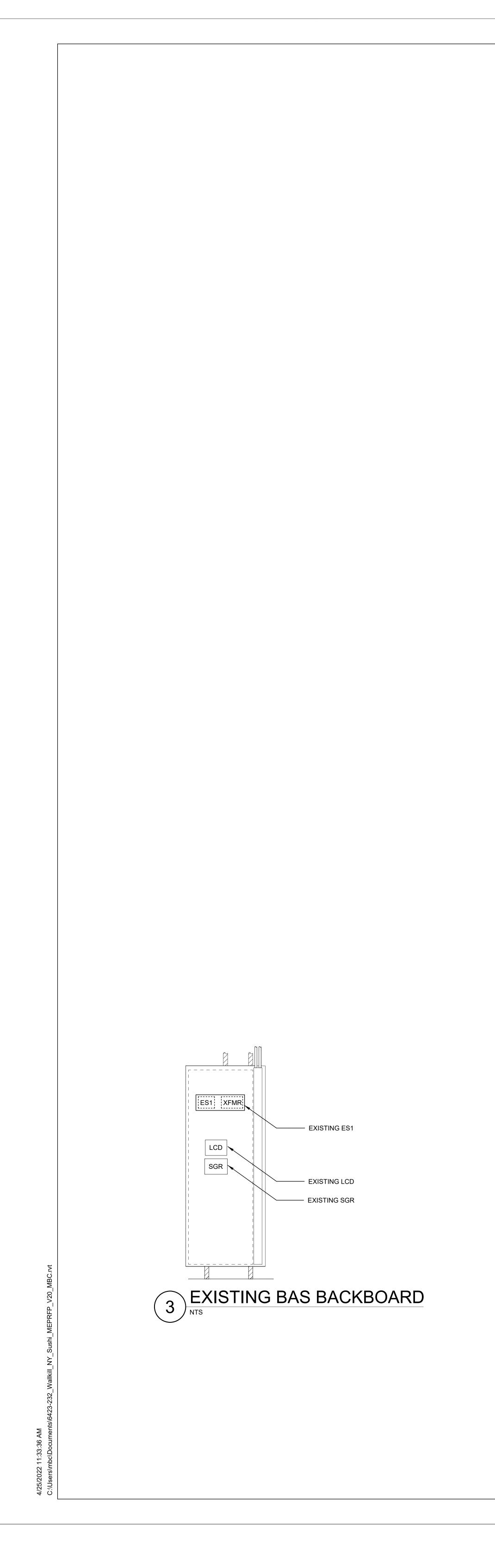
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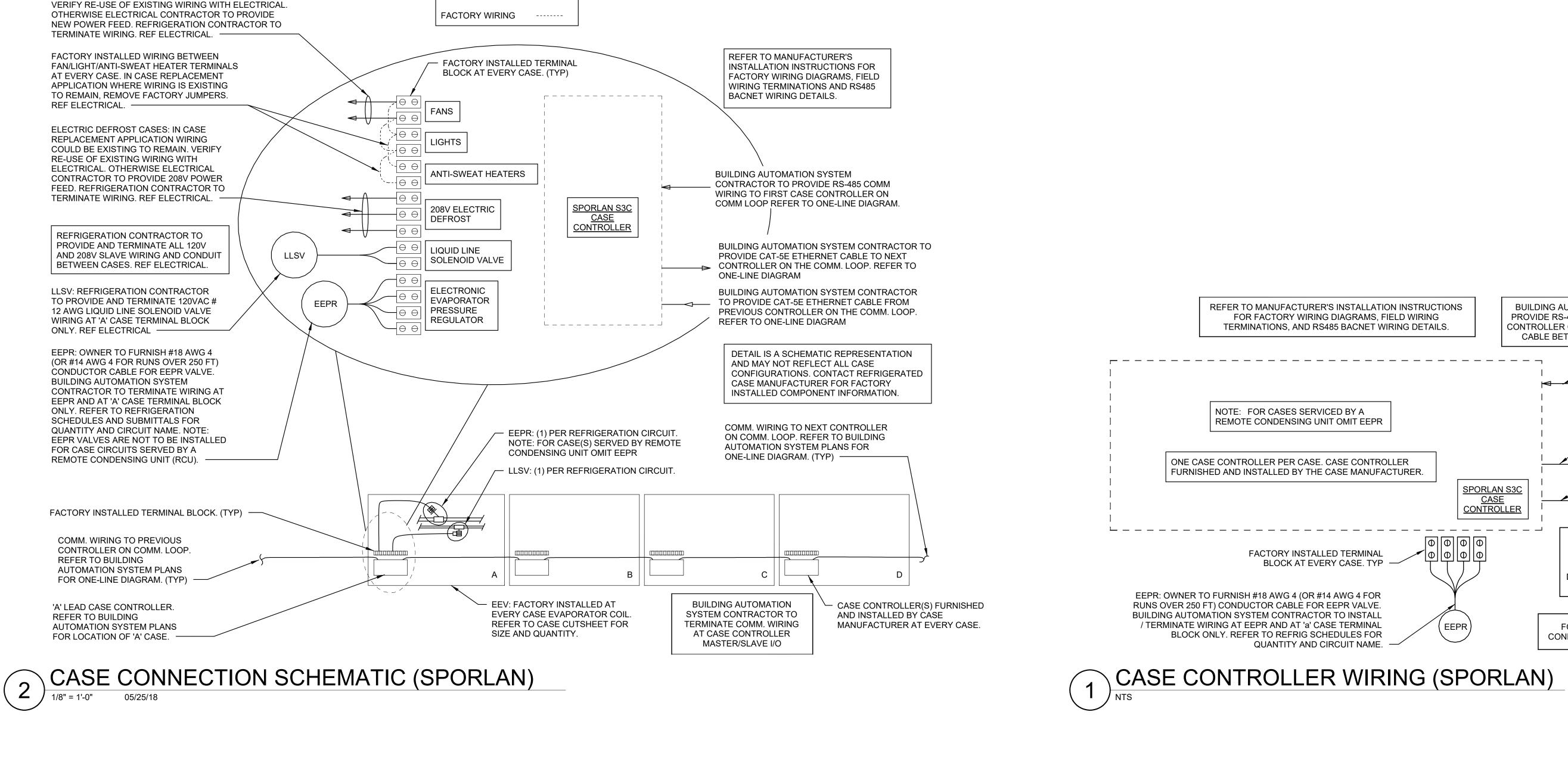




QUIPMENT SALVAGE EQUIREMENTS	GENERAL REFRIGERATION BAS NOTES	
IED NOVAR BAS EQUIPMENT SHALL BE SAM'S CLUB MECHANICAL SERVICES ON MANAGER. EQUIPMENT TO BE CLUDES: EXECUTIVE CONTROLLER(S), , CCM(S), ETC. PROVIDE ION FOR ALL EQUIPMENT REMOVED IN WITH SPECIFICATIONS AND REQUIRED DCUMENTS.	 05.31.19 1. BAS CONTRACTOR SHALL CONTACT THE BAS SUPPLIER(S) TO OBTAIN A CURRENT MODULE CONFIGURATION PRINTOUT BEFORE TERMINATING SENSOR LEADS AT INPUT MODULES. THE REQUEST FOR THE CONFIGURATION PRINTOUT SHALL BE MADE PRIOR TO THE INSTALLATION OF BAS CABLES. WIRING TERMINATIONS SHALL BE LANDED ACCORDING TO THE BAS SUPPLIER CONFIGURATION SHEETS. 	
R TO SHUTTING DOWN ANY I SYSTEMS, HVAC SYSTEMS OR ENERGY CONTROLS SYSTEMS, SEND EMAIL TO RT.COM. THE E-MAIL SHALL STATE WHAT, I IT IS BEING SHUT DOWN AND HOW LONG ED TO BE SHUT DOWN. THEN SEND A	2. BAS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE BAS SUPPLIER(S) AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT STARTUP. BAS INSTALLER SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER(S) FOR SPOT CHECKING OF SENSORS FOR	
AIL TO NSRM@WALMART.COM AFTER THE ETE AND THE SYSTEM IS BACK UP AND	 ACCURACY. 3. ALL BAS CABLE ON THE SALES FLOOR SHALL BE ROUTED IN CONDUIT AND CONCEALED FROM VIEW AND ROUTED ALONGSIDE OTHER PIPING OR CONDUIT AS MUCH AS POSSIBLE. 	REUSE RED FOR FITH ITS ISSUE IS NOT FERENT FERENT FERENT FERENT OJECT OJECT OJECT ONTRARY TO CONTRARY TO
	4. BAS CONTRACTOR SHALL BE PRESENT AND AVAILABLE TO RESOLVE ISSUES AND PROVIDE REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE BAS SUPPLIER AND SAM'S CLUB MECHANICAL CONSTRUCTION MANAGER.	ATION FOR RE ATION FOR RE PING WAS PREPARE SPECIFIC SITE AT: WN, NY WN, NY WN, NY MN, NY MN, NY MN, NY MN, NY MN, NY FOR USE ON A DIFFI ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT ANOTHER PROJECT
	 DURING THE REFRIGERATION STARTUP, BAS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION WORK PRIOR TO WORKING ON OTHER BAS INSTALLATION ITBAS. WHEN THE BAS SUPPLIER IS NOT SCHEDULED TO 	STIPUL THIS DRAV USE ON A 3 USE ON A 3 MIDDLETO CONTEMPLE PROJECT 5 OF THIS DF REQUIRES LICENURES LICENURES LICENURES REUSE ON AUTHORIZI
	PERFORM THE ON SITE REFRIGERATION STARTUP, THE ENERGY MANAGEMENT CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CHECKS AND TEST TO ENSURE A FULLY FUNCTIONAL REFRIGERATION CONTROL SYSTEM. CONTACT THE BAS SUPPLIER FOR THE BLANK TEST VERIFICATION FORMS AND INSTRUCTIONS FOR COMPLETING. ALL COMPLETED TEST VERIFICATION FORMS SHALL BE RETURNED TO THE SAM'S CLUB MECHANICAL CONSTRUCTION MANAGER.	CONSULTANTS ROV R. PAYNE, Jr. teamofchoice.com SUITE 5550 1805 N 2ND ST 1805 N 2ND ST 28566 DESIGNED BY: MBC
	 REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS. 	CONSULTANT ROV R teamofchoice. SUITE 5550 1805 N 2ND ST ROGERS, AR 7275
	8. ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:	EFO FFO
	A. SURFACE MOUNT UTILITIES WITH NON- CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.	
	 B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON- CORROSIVE MATERIALS FOR SPACERS AND ANCHORS. C. COVER UTILITIES WITH 20 GAUGE STAINLESS 	
	STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS. 9. REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.	H LETC 40511-08
	REM SYMBOLS	SUSI MIDD CLUE
	< LTA-X	ISSUE BLOCK No. Desc. Date
	ROM RACK OUTPUT MODULE CIM CASE INPUT MODULE CIM2 CASE INPUT MODULE 2	
	DIS DIGITAL INPUT SWITCH (DUAL-TEMP) RIB RELAY IN A BOX	
BAS2 BACKBOARD	S CASE/COIL TEMPERATURE MODULE 8IM UNIVERSAL INPUT MODULE MINIO XIO C# CONTACTOR	
-B	IR INTERFACE RELAY [S3C] SPORLAN REFRIGERATION CASE/COIL CONTROLLER NEW EQUIPMENT	CHECKED BY: ROP DRAWN BY: MBC
	EXISTING EQUIPMENT FACTORY INSTALLED EQUIPMENT EQUIPMENT TO BE DEMOLISHED	PROTO CYCLE: 01/07/22 DOCUMENT DATE: 04/25/22
C		This document originally issued and sealed by Roy R. Payne, Jr., P.E. #083724 on 04/25/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION
]		
— (E)		
(F)		
	EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK RROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.	BUILDING AUTOMATION SYSTEM REFRIGERATION PLANS
	EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WIHT ALL OTHER	SHEET: BAS1
	DISCIPLINES AND EXISTING CONDITIONS.	



		RAC	K B DISCHARGE AIR T	EMPERATURE AND DEFRC	ST PARAMETERS	
						E SI RET F
CIRCUIT #	APPLICATION	MODEL NUMBER	MANUFACTURER	EQUIPMENT TAG NUMBER	EQUIPMENT CUTSHEET DATE	MANUFACTURER TARGET (°F)
B01	SD Meat	OM-NRG	HILL			25
B02	SD Meat	NMG	TYLER			28
B03	SD Meat	NMG / NMF	TYLER			28
B04	M.D. Deli	DX6XN	KYSOR / WARREN			32
B05	M.D. Deli	DX6XN	KYSOR / WARREN			32
B06	SD Meat	NMG	TYLER			28
B07	M.D. Deli	N6DL	TYLER			34
B08	M.D. Cake	N6DL	TYLER			34
B09	Three Deck Cake	N3M	TYLER			27
B10	2/3 Produce Cooler	ETR	BOHN			36
B11	1/3 Produce Cooler	ETR	BOHN			36
B12	Meat Cooler	ETR	BOHN			28
B13	Bakery Cooler	ETR	BOHN			35
B14	Deli Processing Prep	ETR	BOHN			43
B15	Meat Prep	ETR	BOHN			43
B16	1/2 POS Cooler	ETR	BOHN			35
B17	1/2 POS Cooler	ETR	BOHN			35
B20	Sushi Island	Q2-SPN High Efficiency	Hussmann	RD2009.352	02-27-2017	32
B21	Sushi Refrigerated Rear Storage	Q3-SP-RRS	Hussmann	RD3019.645	03-05-2015	30



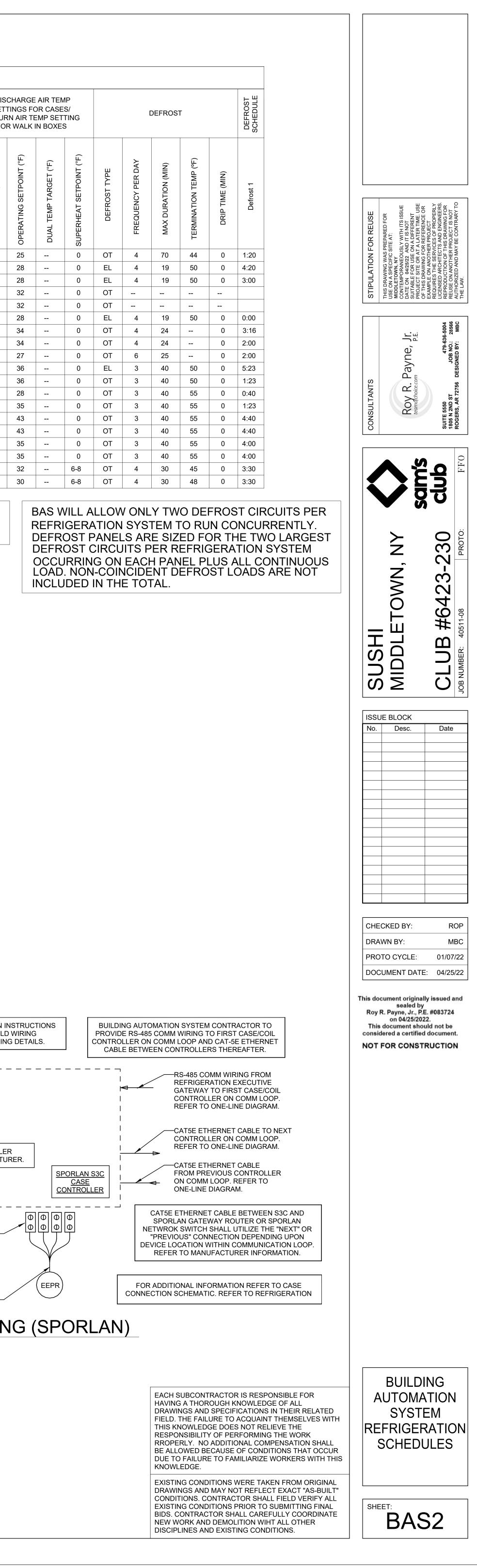
120V POWER FEED. IN CASE REPLACEMENT

APPLICATION WIRING COULD BE EXISTING TO REMAIN.

FIELD WIRING

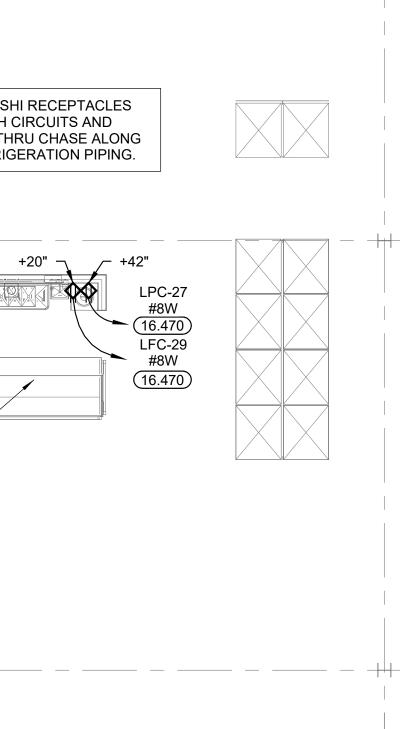
1.) Walk-in Coil EEV Target Superheat shall be set per RSM recommendations. TYP of all walk-in coils.

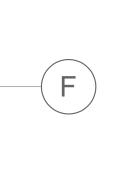
CIRCUIT SCHEDULES.



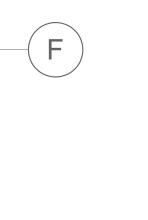
"OW" FIX	ARE FURNISHED B	BY THE OWNER FOR INS	TALLATION BY TH	E CONTRACTOR. "GC" FIXTUR
TYPE 9	2' x 2' VOLUMETR	DESCRIPTION IC TROFFER	ON	VENDOR LOEB ELECTRIC
				(12)
		-		
		[DC2
			EDC2 F	POWER PLA
			1/8" = 1'-0"	
			(8)	
				ROUTE SUSHI RECEPTACLI BRANCH CIRCUITS AND CONDUITS THRU CHASE ALC WITH REFRIGERATION PIPIN
				+20"
			NEW	SUSHI
			 	
			SERVI (1/8" = 1'-0"	CE SUSHI P
		-		

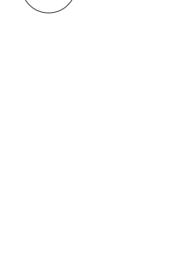






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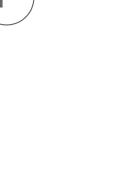






















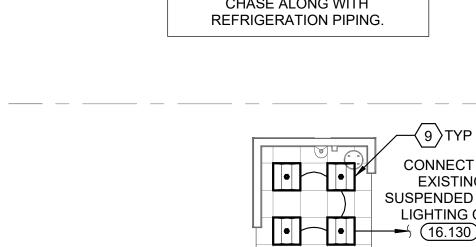




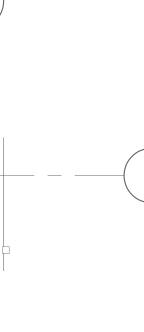




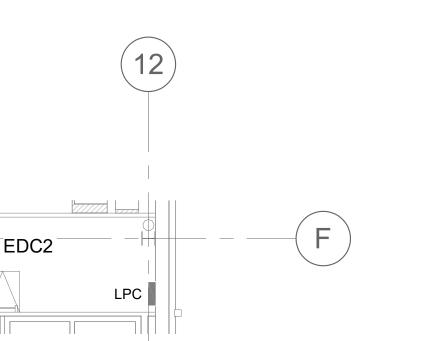




R PLAN









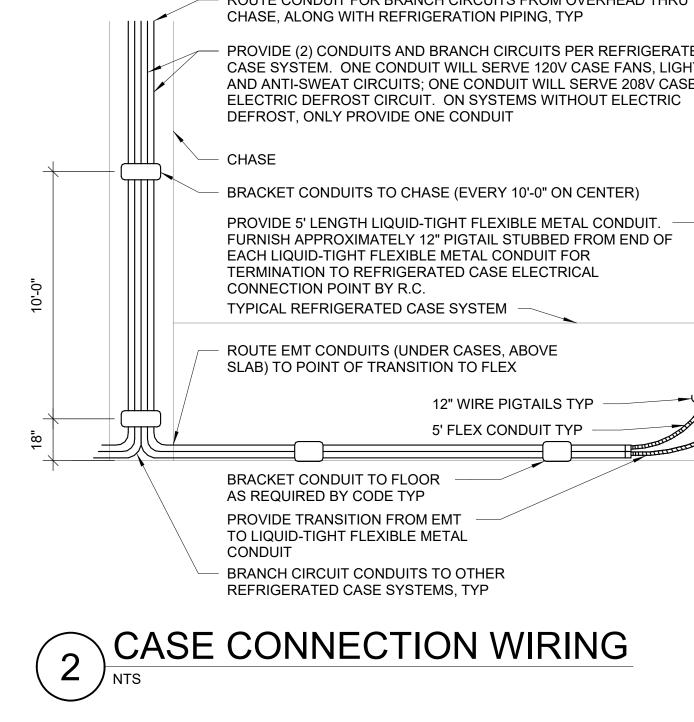
MODEL EB ELECTRIC CO 2BLT2 40L ADSM GZ1 LP840

VOLTAGEINPUT
VACOLOR
TEMPLIGHT SOURCELAMP
QTY120/27732 VA4000KINTEGRAL LED-

R. "GC" FIXTURES AND LAMPS ARE FURNISHED AND INSTALLED BY THE CONTRACTOR.

LIGHT FIXTURE SCHEDULE VENDOR

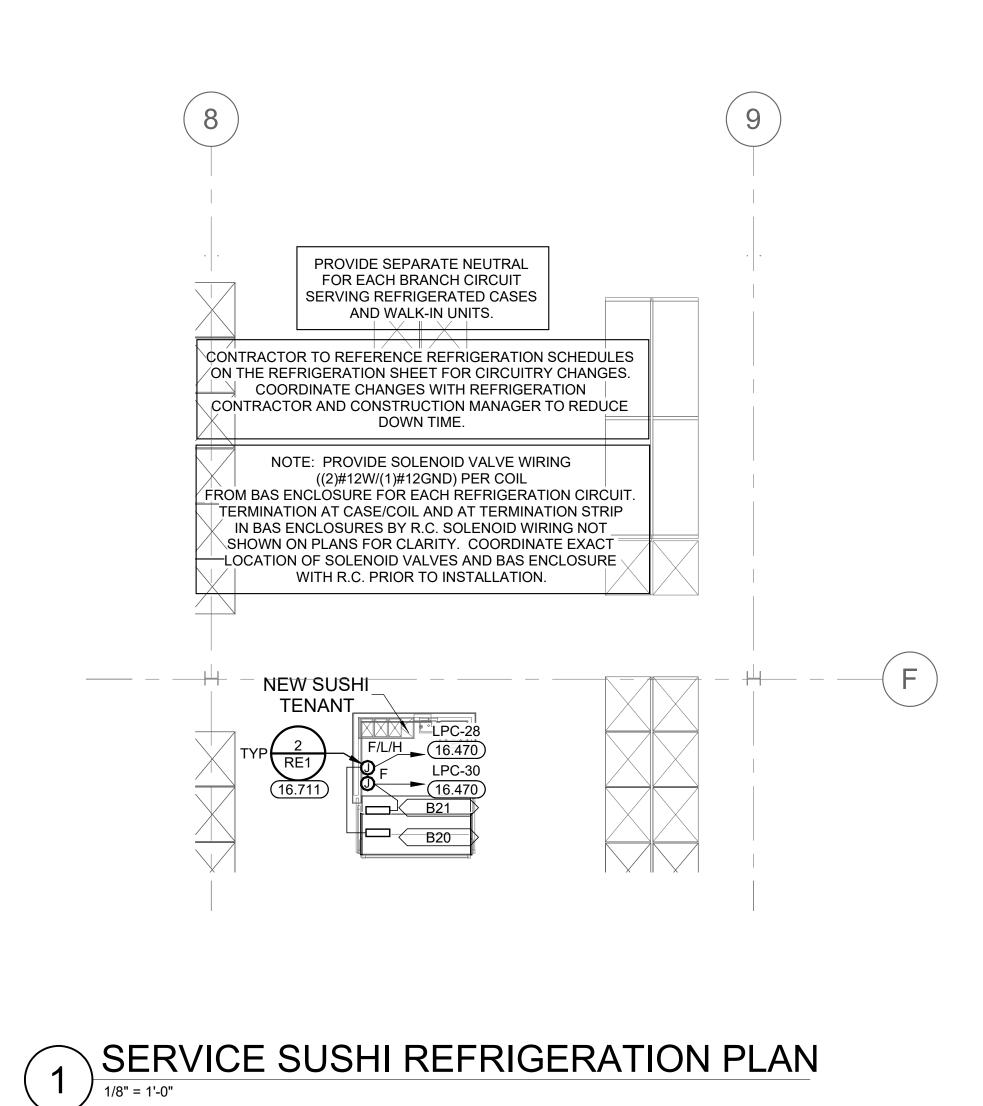
	GENERAL LIGHTING NOTES	GENERAL NOTES	ELECTRICAL SYMBOLS LEGEND	
INPUT COLOR LIGHT SOURCE LAMP MOUNTING COUNT 32 VA 4000K INTEGRAL LED - RECESSED 4	 EXIT SIGN MOUNTING: CONNECT TO THE UNSWITCHED LINE SIDE OF LIGHTING CIRCUIT OR NIGHT LIGHT CIRCUIT SERVING ADJACENT AREA. A. WALL FIXTURE: CENTER 12" ABOVE DOOR OPENING. B. CEILING/PENDANT FIXTURE: ON CEILING OR AT HEIGHT SPECIFIED ON DRAWINGS. C. BRANCH CIRCUIT THAT FEEDS EXIT LIGHTING SHALL BE CLEARLY IDENTIFIED AT THE 	 PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS: A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING. B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL. C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT. D. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, 	(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS) SYMBOL DESCRIPTION HO /O LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED) O LIGHT FIXTURE LIGHT FIXTURE,	
	 DISTRIBUTION PANELBOARD. D. THE USE OF TRITIUM BASED RADIOACTIVE EXIT SIGNAGE SHALL NOT BE ALLOWED. 2. EMERGENCY LIGHT MOUNTING: CONNECT TO THE UNSWITCHED LINE SIDE OF LIGHTING CIRCUIT OR NIGHT LIGHT CIRCUIT SERVING ADJACENT AREA. A. WALL FIXTURE: 12" BELOW FINISHED CEILING OR 	 FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS. 2. PROVIDE A SEPERATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR. 	Image: Light Fixtore, Night Light Image: Night Light Image: Volumetric Light Fixture Image: Volumetric Light Fixture <td></td>	
	 +10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE. B. PENDANT FIXTURE: BOTTOM CHORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON DRAWINGS. C. REMOTE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING +9'-0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT BAR JOIST IN AREAS OF EXPOSED 	 3. WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONARY: A. SWITCHES +46" B. RECEPTACLES +20" C. VOICE/DATA +20" 	✓ ✓ EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED) ✓ ✓ EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED) ↓ ✓ ✓	ON FOR REUSE WAS PREPARED FOR WAS PREPARED FOR WAS PREPARED FOR WAS PREPARED FOR WAS PREPARED FOR WAS PALATER TIME USE WAS AND TI IS NOT USE ON A DIFFERENT USE ON A DIFFERENT OR AT A LATER TIME. USE NOTHER PROJECT SERVICES OF PROPERLY HITECTS AND ENGINEERS. WOT THIS DRAWING FOR THER PROJECT IS NOT WID MAY BE CONTRARY TO
	 STRUCTURE. D. BRANCH CIRCUIT THAT FEEDS EMERGENCY LIGHTING SHALL BE CLEARLY IDENTIFIED AT THE DISTRIBUTION PANELBOARD. 3. ELECTRICAL CONNECTION: TO BATTERIES A. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE 	 WIRING SHALL INCLUDE FINAL CONNECTIONS TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE TYPE WRITTEN PANELBOARD IDENTIFICATION SCHEDULES. BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH 	\$33-WAY SWITCH\$44-WAY SWITCH\$KKEYED SWITCH\$DDIMMER SWITCH	STIPULATIO STIPULATIO THIS DRAWING USE ON A SPEC MIDDLETOWN, I CONTEMPORAN DATE ON A 2725 SUITABLE FOR 1 P.E. 5004 EXAMPLE ON AN EXAMPLE ON AN EVAMPLE ON AN EVAMPLE ON AN REQUIRES THE LICENSED ARCH REPRODUCTION REUSE ON ANO AUTHORIZED AN THE LAW.
	 CONTINUOUSLY FOR A MINIMUM OF 168 HOURS BEFORE INITIAL TESTING. B. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF TIME. 4. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS SHALL NOT BE SWITCHED. 	 CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM). 7. WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC. 8. CONDUITS EXTENDED BEYOND EXTERIOR WALL: STUB OUT 2'-0" BELOW GRADE TO 5'-0" BEYOND EXTERIOR WALLS 	\$D DIMMER SWITCH \$VS VARIABLE SPEED SWITCH \$M MANUAL MOTOR SWITCH \$OS SINGLE POLE OCCUPANCY SENSOR SWITCH	erse de la compage de la compa
	 IN AREAS OF OPEN STRUCTURE, MOUNT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS. FIXTURES DENOTED WITH "ABJ" ARE TO BE 	 UNLESS NOTED OTHERWISE. COORDINATE LOCATION AND PROVIDE CONNECTION TO SITE CONDUITS. 9. DATA AND PHONE CONDUIT INSTALLATION MILESTONE DATE: ALL RACEWAY AND CONDUIT SLEEVES FOR DATA AND PHONE CABLING TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE. 10. SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE 	\$0S2 DOUBLE POLE OCCUPANCY SENSOR SWITCH ((())) CEILING MOUNTED OCCUPANCY SENSOR SWITCH (()) RECEPTACLE, DUPLEX	CONSULTANT Matthe teamofchoice.con SUITE 5517 1805 N 2ND ST ROGERS, AR 7275
	 AND THE STENE PROTED WITH ABJ AND TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS WITHIN BAR JOISTS WEBBING SPACES. DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK. 8. INSTALL FURNISHED PROTECT-A-LAMP COVERS ON 	 10. SUPPORTSTROM STRUCTURE. NO ATTACHMENT OF ANTITIE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS. REF STRUCTURAL PLANS. 10A. ALL UNISTRUT, UNISTRUT CLAMPS AND FITTINGS SHALL BE HOT DIPPED GALVANIZED. 11. DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE 	Image: Constraint of the second se	EFF.
	 FIXTURES LABELED WITH THE LETTER "P". A. FURNISH AND INSTALL PROTECT-A-LAMP COVERS ON ALL EXISTING FLUORESCENT FIXTURES (WITHOUT COVERED LENSES) IN ALL FOOD PREPARATION, STORAGE AND DISPLAY AREAS. B. FURNISH AND INSTALL PROTECT-A-LAMP COVERS ON ALL EXISTING FLUORESCENT FIXTURES MOUNTED BELOW 10'-0" AFF. 	 SURFACE MOUNTED UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDUIT INSTALLATION AND SEALING REQUIREMENTS. 12. FURNISH AND INSTALL ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. COORDINATE BETWEEN EXISTING AND NEW CONSTRUCTION. EC SHALL PAY FOR 	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR RECEPTACLE, DOUBLE DUPLEX RECEPTACLE, DOUBLE DUPLEX ISOLATED GROUND RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND	DWN, 23-230
	KEYNOTES 16.130 CONNECT NEW LIGHTING TO NEAREST EXISTING, NOVAR CONTROLLED, SALES FLOOR LIGHTING	 ALL NECESSARY FEES AND PERMITS. 13. VERIFY THAT THE PANELBOARDS USED HAS THE SPACE AND AMPACITY TO DO SO PRIOR TO ROUGH-IN. 14. <u>DEMOLITION:</u> COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION. REMOVE CONDUITS AND WIRES ALL THE WAY BACK 	ISOLATED GROUND ISOLATED GROUND RECEPTACLE, SIMPLEX TWIST LOCK, L5-15R, UNO RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO RECEPTACLE, DUPLEX TWIST LOCK, L5-15R, UNO	SHI DDLETO UB #64.
	CIRCUIT. EC SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING CIRCUIT HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD. 16.470 FURNISH AND INSTALL NEW 20 AMP, 120 VOLT CIRCUIT(S). FEED FROM PANELBOARD AS INDICATED. PROVIDE 20A-1P CIRCUIT BREAKER, IF NEEDED. EC SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS. EC SHALL VERIFY PRIOR TO	 TO ORIGINATING JUNCTION BOXES AND/OR PANELBOARDS. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. UPDATE PANELBOARD IDENTIFICATION SCHEDULE OF DEMOLISHED CIRCUIT(S) BY TYPEWRITTEN "SPARE". PROVIDE HANDLE LOCK OFF DEVICE AND PLACE BREAKER IN THE "OFF" POSITION. A. DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO HAZARDOUS/UNIVERSAL WASTE MANAGEMENT AND DISPOSAL SPECIFICATIONS FOR DISPOSAL OF LIGHT FIXTURES. 	Image: Provide state st	ISSUE BLOCK No. Desc. Date
	ROUGH-IN THAT EXISTING PANELBOARD HAS SPARE CAPACITY TO ACCOMODATE ADDITIONAL LOAD.	 15. <u>NEW CIRCUITS:</u> ROUTE NEW ELECTRICAL CIRCUITS FOR THIS PROJECT TO PANELBOARD AS INDICATED ON DRAWINGS. ROUTING CIRCUITRY ACROSS ROOF OR EXTERIOR WALLS IS NOT ALLOWED. NEW FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE ROUTED WITHIN THE BAR JOIST SPACE. OTHER THAN CONNECTION TO EQUIPMENT OR DISPLAYS, ELECTRICAL CONDUITS WILL NOT BE PERMITTED BELOW BOTTOM CHORD OF BAR JOIST. 	Image: Constraint of the second state of the second sta	
		 16. <u>EXISTING CIRCUITS:</u> WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING TELEPHONE, DATA, SECURITY, OR ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK CIRCUITRY AS REQUIRED TO MAINTAIN OPERATION. 17. <u>UNDERGROUND SERVICES:</u> IF DEMOLITION OR NEW 	RALARM JUNCTION BOX, FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)SSMOKE DETECTORhNON-FUSED DISCONNECT	
		 CONSTRUCTION DISRUPTS EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR PROPER OPERATION. 18. EC SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY THE REMODEL AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE 	Image: Disconnect in the second se	CHECKED BY: JCH
		 TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS. 19. ALL PANELBOARDS SHOWN ON PLAN ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. 20. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND 	E INDICATES EXISTING WIRING CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING LOW VOLTAGE WIRING H CONDUIT SLEEVE	DRAWN BY:AUYPROTO CYCLE:01/07/22DOCUMENT DATE:04/25/22This document originally issued and sealed by
9		 SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THEIR WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE. 21. EXISTING CONDITIONS ARE BASED UPON PREVIOUS CONSTRUCTION DRAWINGS AND/OR SITE VISIT AND MAY NOT 	Image: Flush mounted panelboard Image: Flush mounted panelboard Image: Surface mounted panelboard Image: Flush mounted panelboard </td <td>Matthew J. Nichols, P.E. #104649 on 04/21/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION</td>	Matthew J. Nichols, P.E. #104649 on 04/21/2022. This document should not be considered a certified document. NOT FOR CONSTRUCTION
ROUTE SUSHI LIGHTING BRANCH CIRCUITS AND CONDUITS THRU CHASE ALONG WITH		REFLECT EXACT "AS-BUILT" CONDITIONS. EC SHALL VERIFY EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO FINAL BID. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS AS REQUIRED. DURING CONSTRUCTION, THE STORE SHALL STAY OPEN FOR BUSINESS. ANY NECESSARY POWER DOWNTIME SHALL BE SCHEDULED AND APPROVED.	Image: Cable Box For Other	
F		22. ARRANGE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. NOTIFY THE STORE MANAGER AND THE SAM'S CLUB CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. STORE MANAGER MUST ALLOW FOR POWERING DOWN OF COMPUTER SYSTEMS, MOVING AFFECTED PRODUCT, MODIFICATION OF SAM'S CLUB AFTER-HOURS WORK SCHEDULES, COORDINATION WITH OTHER TRADES, AND OTHER CRITICAL SCHEDULING CONCERNS.	PUSH BUTTON B BUZZER SS SAIL SWITCH JUNCTION BOX OX HORN / STROBE	
CONNECT TO EXISTING SUSPENDED CASE LIGHTING CCT (16.130) NEW SUSHI		 PROVIDE TEMPORARY POWER AS REQUIRED. INSTALLATION OF NEW EQUIPMENT SHALL BE COMPLETED AND THE POWER SYSTEM TESTED AND RE-ENERGIZED PRIOR TO START OF BUSINESS THE FOLLOWING MORNING NO LATER THAN A TIME ESTABLISHED BY THE STORE MANAGER AND THE SAM'S CLUB CONSTRUCTION MANAGER. 23. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE. 	DH DOOR HOLD OPEN TC TIME CLOCK	
		EXISTING LIGHT FIXTURES AND CONTROL DEVICES NOT SHOWN ARE EXISTING TO REMAIN, TYP OF ALL SHEETS	ABBREVIATIONS a, b, c LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE C CONDUIT CCT CIRCUIT CF CEILING FAN	
		EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH	CWCASH WRAPECELECTRICAL CONTRACTOREFEXHAUST FANETREXISTING TO REMAINEWCELECTRIC WATER COOLERGRGROUNDGFEPGROUND FAULT EQUIPMENT PROTECTIONGFIGROUND FAULT CIRCUIT INTERRUPTERIGISOLATED GROUND	ELECTRICAL PLANS AND SCHEDULES
1 SERVICE SUSHI LIGHTING PLAN		THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK RROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL	HDHAND DRYERLCULIGHTING CONTROL UNITNTSNOT TO SCALERECREFRIGERATION ELECTRICAL CONTRACTORRCREFRIGERATION CONTRACTORRHRADIANT HEATERSCSECURITY CAMERATRTAMPER RESISTANT	
1/8" = 1'-0"		DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WIHT ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.	TYP TYPICAL UH UNIT HEATER UNO UNLESS NOTED OTHERWISE WH WATER HEATER WP WEATHER PROOF WR WEATHER RESISTANT	SHEET: E1

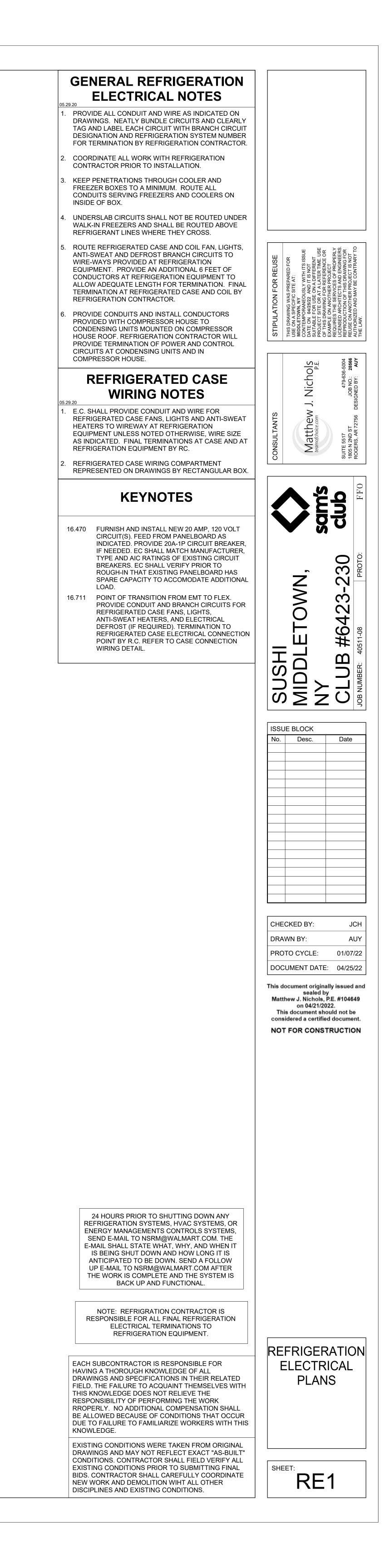


- BRACKET CONDUITS TO CHASE (EVERY 10'-0" ON CENTER) PROVIDE 5' LENGTH LIQUID-TIGHT FLEXIBLE METAL CONDUIT. FURNISH APPROXIMATELY 12" PIGTAIL STUBBED FROM END OF EACH LIQUID-TIGHT FLEXIBLE METAL CONDUIT FOR TERMINATION TO REFRIGERATED CASE ELECTRICAL - ROUTE EMT CONDUITS (UNDER CASES, ABOVE SLAB) TO POINT OF TRANSITION TO FLEX 12" WIRE PIGTAILS TYP -5' FLEX CONDUIT TYP FLOOR

PROVIDE (2) CONDUITS AND BRANCH CIRCUITS PER REFRIGERATED CASE SYSTEM. ONE CONDUIT WILL SERVE 120V CASE FANS, LIGHTS AND ANTI-SWEAT CIRCUITS; ONE CONDUIT WILL SERVE 208V CASE

ROUTE CONDUIT FOR BRANCH CIRCUITS FROM OVERHEAD THRU





26/2022 10:07:49

	OWNER SUPPLIED ITEMS NOT IN O
WDS #	DESCRIPTION
CLUB PROV	IDED
FR17	PAPER TOWEL DISPENSER - GROCERY
FR16	SURFACE MOUNTED SOAP DISPENSER
MARCO DIS	PLAY SPECIALIST, LP
AP1001	3'-6" DIAMOND PLATE CASE PROTECTION F
AP1001	4'-0" DIAMOND PLATE CASE PROTECTION F
AP1001	8'-0" DIAMOND PLATE CASE PROTECTION F

	OWNER SU	
	OWNER 30	
VENDOR		
INNOVO FACILITY MAINTENANCE		
	OWNER	SUPPLIE
	OWNER	
VENDOR		
HUSSMANN		
LOEB ELECTRIC CO		
WIN-HOLT EQUIPMENT GROUP		

