

ROOF TOP UNIT SCHEDULE																											
DESCRIPTION				REFRIGERATION DATA						HEATING DATA			FAN DATA				ELECTRICAL DATA								WEIGHT <sup>(1)</sup> (LBS)	REMARKS	
TAG	SERVICE	MANUFACTURER	MODEL NO.	NOMINAL TONS	TOTAL MBH	SENG MBH	REFRIGERANT	NO. OF COMP.	CHARGE (LB OZ)	INPUT MBH	OUTPUT MBH	NOMINAL CFM		ESP (IN)		FAN RPM		MOTOR / DRIVE		VPH/HZ	MCA	MDCP	EFFICIENCY				
												SUPPLY	O.A.	HP	MOTOR <sup>(2)</sup> / VPH	FEER	SEER	IEER									
RTU-1	OFFICES/ LOUNGE	YORK	KT061N1282BFC1R1	5.0	62	44.9	R454B	1	11-12	80	65	2000	370	1	1069	2.30	- /HS	208/3/60	33.3	45	12.8	15.5	-	1000	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14		
RTU-2	PROCESSING	YORK	XJ076N12Q2BFC1R1	6.5	78.4	54.1	R454B	2	10-6 4-12	130	97	2600	405	1	927	2.30	- /HS	208/3/60	32.6	40	12.0	-	15.8	1300	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14		
RTU-3	SALES	YORK	KJ150N18R2D2FC1R1	12.5	168.1	114.9	R454B	2	10-4 / 8-10	180	146	5000	920	1	1490	5.75	- /HS	208/3/60	82.9	100	12.0	-	15.2	1700	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14		
RTU-4	SALES	YORK	KJ150N18R2D2FC1R1	12.5	168.1	114.9	R454B	2	10-4 / 8-10	180	146	5000	900	1	1490	5.75	- /HS	208/3/60	82.9	100	12.0	-	15.2	1700	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
RTU-5	SALES	YORK	KJ120N18R2D2HC1R1	10.0	126.8	89.5	R454B	2	7 / 6-12	180	146	4000	900	1	1210	3.45	- /HS	208/3/60	60.3	70	12.2	-	15.0	1400	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
RTU-6	SALES	YORK	KJ120N18R2D2HC1R1	10.0	126.8	89.5	R454B	2	7 / 6-12	180	146	4000	900	1	1210	3.45	- /HS	208/3/60	60.3	70	12.2	-	15.0	1400	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14		
RTU-7	SALES	YORK	KJ120N18R2D2HC1R1	10.0	126.8	89.5	R454B	2	7 / 6-12	180	146	4000	810	1	1210	3.45	- /HS	208/3/60	60.3	70	12.2	-	15.0	1400	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
												TOTAL:		5205													
REMARKS:																											
1. PROVIDE WITH PREFABRICATED CURF CURB [14" HIGH, WOOD NAILER, INSULATED DECKS] 2. PROVIDE WITH INTELLISPEED VFD FAN CONTROLLER 3. PROVIDE WITH BURGLAR BARS 4. PROVIDE WITH FACTORY INSTALLED WIRED DISCONNECT SWITCH; FACTORY INSTALLED POWERED 120v GFI CONVENIENCE RECEPTACLE COORDINATE THE REQUIREMENTS WITH THE E.C. 5. PROVIDE WITH RAIL GUARD 6. PROVIDE WITH DUAL ENTHALPHY CONTROLLED ECONOMIZER WITH POWERED EXHAUST 7. PROVIDE WITH DUAL ENTHALPHY CONTROLLED ECONOMIZER WITH BAROMETRIC RELIEF 8. PROVIDE WITH FACTORY INSTALLED SMOKE DETECTOR IN THE RETURN AIR COMPARTMENT 9. PROVIDE WITH 2" PLATED MERV 8 FILTERS (8) 10. PROVIDE WITH CO2 SENSOR, ECONOMIZER DAMPERS SHALL MODULATE BASED ON DEMAND CONTROL VENTILATION REQUIREMENTS																											
NOTES: A. WEIGHTS INCLUDE BASE UNIT AND INTERNAL ACCESSORIES. ALLOWANCE SHALL BE INCLUDED FOR ROOF CURBS OR CURB ADAPTERS AS NECESSARY B. CONTRACTOR SHALL INCLUDE TWO FILTER CHANGES - ORIGINAL EQUIPMENT FILTERS ARE TO BE CHANGED WHEN (1) STORE FIXTURING STARTS, AND (2) WHEN STORE IS BEING STOCKED C. HS = HIGH STATIC MOTOR STD = STANDARD MOTOR D. HS = HIGH STATIC DRIVE STD = STANDARD DRIVE F = FIELD SUPPLIED DRIVE																											
11. PROVIDE WITH BMS CONTROLS, RTU TO BE CONTROLLED BY BMS CONTROLS. CONTRACTOR SHALL EMPLOY BMSCONTROLS CORPORATION TO INSTALL BMS. REFER TO SECTION 15C.11 IN THE TIX OUTLINE SPECIFICATIONS 12. PROVIDE TEMPORARY THERMOSTAT FOR UNIT OPERATION, REFER TO SECTION 15C.11 IN THE TIX OUTLINE SPECIFICATIONS 13. 13. FURNISHED WITH MANUFACTURER'S 10 YEAR WARRANTY FOR HEAT EXCHANGERS & COMPRESSORS. 14. PROVIDE WITH HOT GAS REHEAT FOR HUMIDITY CONTROL. CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER TO CONFIRM WHETHER THE LISTED UNITS INCLUDE THE HOT GAS REHEAT FEATURE. IF NOT, CONTRACTOR SHALL SELECT UNITS THAT HAVE HOT GAS REHEAT FOR DEHUMIDIFICATION CONTROL)																											

FAN SCHEDULE												
DESCRIPTION				FAN DATA					MISCELLANEOUS			REMARKS
TAG	MANUFACTURER	MODEL NO.	AREA SERVED	CFM	ESP (IN)	RPM	HP	V/PH	FAN DRIVE	SONES	WEIGHT (LBS)	
EF-1	PENNBARRY	DX13R	RESTROOMS	600	0.5	1550	1/6	115/1	DIRECT	8.5	36	1, 2, 3, 4, 5, 6
EF-2	PENNBARRY	DX10R	LOUNGE	360	0.5	1550	1/12	115/3	DIRECT	6.8	30	1, 2, 3, 4, 5, 6, 7
REMARKS:												
1. PROVIDE WITH FACTORY INSTALLED DISCONNECT												
2. PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER												
3. PROVIDE WITH 12" HIGH PREFABRICATED GALVANIZED STEEL ROOF CURB (INCLUDING DAMPER TRAY, WOOD NAILER, 1.5" INSULATION, GASKET)												
4. PROVIDE BUNGALOW BASE FOR ROOF OPENING												
5. REFER TO TDX CRITERIA FOR SWITCHING/ON/OFF REQUIREMENTS.												
6. ON CONTROLLED CIRCUIT RUN THRU RELAY PANEL - REFER TO ELECTRICAL PANEL												
7. FAN TO RUN CONTINUOUSLY DURING BUSINESS HOURS VIA RELAY PANEL												
8. PROVIDE BIRD SCREEN.												

GENERAL NOTES

- CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS, INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET, AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. CATCH THE WORK OF OTHER SECTIONS OF THE DRAWINGS, FURNISHING THE REQUIRED MEASUREMENTS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND NUMBER OF EACH DUCT. DIMENSIONS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK, OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- E. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL UTILITIES, INCLUDING THE DEPTH OF ALL BELIEVED SANITARY SEWERS, PRIOR TO START OF WORK. THIS DRAWING IS NOT INTENDED TO INDICATE ALL EXISTING UTILITIES.
- F. CONTRACTOR SHALL BE FAMILIAR WITH LANDLORD'S STANDARDS, RULES AND REGULATIONS. ALL LANDLORD'S CRITERIA SHALL BE COMPLIED WITH AND INCLUDED IN THIS BID.
- G. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTION POINTS, INCLUDING SIZES AND INVERTS WITH EXISTING FIELD CONDITIONS PRIOR TO START OF WORK.
- H. MATCH ALL UTILITY CONNECTIONS TO EXISTING INSTALLATION IN FULL ACCORDANCE WITH ALL UTILITY REGULATIONS. PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED BY UTILITY COMPANY. THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY, AND THE MANUFACTURER'S STRICTEST RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.
- I. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL FIXTURES AND EQUIPMENT.
- J. ALL HORIZONTAL FIRE PROTECTION SPRINKLER PIPING AND ALL ABOVE GRADE EXPOSED SHALL BE INSTALLED AS HIGH AS POSSIBLE. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH MECHANICAL WORK AND LIGHTS. ALL COSTS ASSOCIATED WITH RASING SPRINKLER WHERE THE ARCHITECTURAL DESIGN CANNOT BE ACCOMPLISHED SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.
- K. CONTRACTOR SHALL COORDINATE TIMES TO WORK IN SPECIFIC AREAS OF THE EXISTING BUILDING WITH THE BUILDING MANAGER.
- L. SEAL ALL PENETRATIONS OF WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUDED INTO PLACE AND WATER PROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT WITH SILICONE CAULK.
- M. ROOF TOP EQUIPMENT SHALL BE TAGGED WITH 2-1/2" HIGH PERMANENT LETTERS TO IDENTIFY SPACE SERVED.
- N. EXHAUST FANS/DUCTS AND ROOF VENTS SHALL TERMINATE A MINIMUM OF 15'-0" FROM OUTSIDE AIR INTAKES.
- O. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN RETURN AIR PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25, AND SMOKE DEVELOP RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84, ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED.
- P. CONTRACTOR LANDLORD APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ROOF CURB TO MAINTAIN ROOFING WARRANTY.
- Q. CONTRACTOR SHALL DETERMINE IF ANY STRUCTURAL ELEMENTS SUCH AS REBAR OR POST TENSION CABLE EXIST IN FLOORS, WALLS OR ROOFS BY INSPECTION COORDINATED WITH THE LANDLORD'S TENANT COORDINATOR OR STRUCTURAL ENGINEER AND BY USE OF X-RAY WHEN REQUIRED PRIOR TO ANY CUTTING OR CORE DRILLING. IF SUCH ELEMENTS EXIST, REPORT THIS IMMEDIATELY TO THE ARCHITECT AND THE LANDLORD'S TENANT COORDINATOR FOR RESOLUTION PRIOR TO CUTTING OR DRILLING.
- R. VISIT SITE PRIOR TO BIDDING AND FIELD VERIFY EXISTING CONDITIONS. TAKE INTERFERENCES INTO CONSIDERATION.
- S. DUCTWORK SHALL BE INSTALLED TIGHT TO UNDERSIDE OF ROOF STRUCTURE AS HIGH AS POSSIBLE TO AVOID OBSTRUCTIONS.
- T. PAINT INTERIOR OF ALL DUCTS VISIBLE THROUGH DIFFUSERS/GRILLES FLAT BLACK.
- U. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH DUCT WORK AND LIGHTS.
- V. ALL ABANDONED HVAC EQUIPMENT SHALL BE REMOVED AND PROPERLY DISPOSED. CAP AND INSULATE ALL UNUSED ROOF OPENINGS.
- W. REINSTATE ALL HVAC FILTERS TO BE INSTALLED TO STORE GRAND OPENING.
- X. UPON COMPLETING THE INSTALLATION OF THE EQUIPMENT, THE CONTRACTOR MUST APPLY AN ADDITIONAL LAYER OF ADSIL MICROGRAUD AP 35 HVAC/ROIL COIL AND FIN CLEAR PROTECTIVE TREATMENT TO ALL COILS AND THE EXTERIOR SURFACES OF ALL HVAC EQUIPMENT IN THE FIELD.

TAG	MANUFACTURER	MODEL NO.	TYPE	FACE SIZE	NECK SIZE	MATERIAL	COLOR	BLADE SPACING	FRAME	REMARKS
A	TUTTLE & BAILEY	RC- SERIES	SUPPLY DIFFUSER	24"x24"	SEE PLAN	STEEL	"WH" WHITE	1-WAY	SURFACE LAY-IN	1, 2, 3
B	TUTTLE & BAILEY	S1200	SUPPLY DIFFUSER	24"x24"	SEE PLAN	STEEL	"WH" WHITE	4-WAY	SURFACE LAY-IN	1, 2, 3
C	TUTTLE & BAILEY	CRE500	EGGCRATE GRILLE	24"x24"	22"x22"	ALUMINUM	"WH" WHITE	1/2"x1/2"x1/2" CORE	LAY-IN	1, 2, 5
D	TUTTLE & BAILEY	CRE500	EGGCRATE GRILLE	24"x24"	10"x10"	ALUMINUM	"WH" WHITE	1/2"x1/2"x1/2" CORE	SURFACE LAY-IN	1, 2, 3, 5
E	TUTTLE & BAILEY	T64	DOUBLE DEFLECTION REGISTER	SEE PLAN	SEE PLAN	STEEL	"WH" WHITE	3/4" ADD DEFLECTION	DUCT DIRECT	1, 2, 4
F	TUTTLE & BAILEY	T700	EGGCRATE GRILLE	-	SEE PLAN	ALUMINUM	"WH" WHITE	3/4" 35° DEFLECTION	SURFACE	5


**REMARKS:**

- SEE SPECIFICATIONS
- PROVIDE WITH OPPOSED BLADE DAMPER
- PROVIDE WITH MOLDED ALUMINUM FRAME FOR USE IN HARD CEILING
- INSTALL GRILLE 2" UPWARD WHEN ON DUCT, ADJUST BLADES FOR EVEN DISTRIBUTION AND TO AVOID DRAFTS
- PROVIDE WITH ADAPTER/TRANSITION FOR RINAL DUCT-TO-DIFFUSER CONNECTION

ELECTRIC HEATER SCHEDULE									
TAG	MANUFACTURER	MODEL NO.	KW	BTUH	ELECTRICAL		CFM	UNIT WEIGHT (LBS)	REMARKS
					V/PH/Hz	AMPS			
EH-1	QMARK	EFF-4004	3	10239	208/1/60	16.7	150	23	1, 2, 3

**REMARKS:**

1. FURNISH WITH 24"x24" T-BAR FRAME MOUNTING KIT.
2. HEATER TO BE CONTROLLED BY BMS TEMPERATURE SENSORS AND CONTROLS.
3. FURNISH WITH FACTORY DISCONNECT.
4. FURNISH WITH INTENSITY, THERMOSTAT; THERMAL OVERLOAD; SURFACE MOUNTING FRAME

ELECTRIC BASEBOARD HEATER SCHEDULE								
TAG	MANUF.	MODEL NO.		CAPACITY (BTU/H)	ELECTRICAL DATA		REMARKS	
					KW	V/PH/Hz		AMPS
BB-1	MARKEL	F2910-0485	48	3,412	1.0	208/1/60	4.8	1, 2, 3, 4, 5

**REMARKS:**

1. PROVIDE WITH INTEGRAL THERMOSTAT.
2. PROVIDE WITH 24V CONTROL TRANSFORMER.
3. FACTORY DISCONNECT KIT FIELD INSTALLED.
4. INSTALL BOTTOM OF HEATER AT 6" A.F.F.
5. INTERLOCK HEATER WITH BMS CONTROLLER TO ENABLE / DISABLE HEATER.

TAG	MANUF.	MODEL NO.	SERVICE	AREA/RTU	SIZE	CFM	STATIC PRESSURE (IN WG.)	VELOCITY (FPM)	REMARKS
ZD-1	RUSKIN	ZDR25	ZONE DAMPER	RTU-2	8"	120	0.015	360	1,2
ZD-1	RUSKIN	ZED015	BALANCE DAMPER	RTU-2	8"	120	0.1	668	2

**REMARKS:**  
 1. STANDALONE CONTROL, PROVIDE WITH Z2000RT WALL T-STAT  
 2. PROVIDE WITH 24V CONTROL TRANSFORMER.

DROPBOX DIFFUSER SCHEDULE									
TAG	MANUFACTURER	MODEL NO.	TOTAL CFM	TYPE	S. P.	THROW (FEET)	NECK VELOCITY (FPM)	NOISE LEVEL (NC)	REMARKS
DB-1	AES INDUSTRIES	ADB-1-12-4-CM	5000	4 WAY	0.31	37-64.4	938	36.4	1
DB-2	AES INDUSTRIES	ADB-1-10-4-CM	4000	4 WAY	0.197	33.6-57.5	879	28.3	1
REMARKS:									
1. SUPPORT INDEPENDENTLY FROM DUCTWORK									

VENTILATION CALCULATION AS PER 2012 VIRGINIA MECHANICAL CODE														
ROOM TAG	AREA	OCCUPANCY AS PER 2012 IMC/1000SQ.FT.	OCCUPANCY AS PER 2012 IMC	NO. OF CHAIR	FINAL OCCUPANCY	CFM/PERSON	CFM/SQ.FT.	REQUIRED OA CFM	PROVIDED OA CFM	PROVIDED SUPPLY AIR CFM	OA PERCENTAGE (%)	EXHAUST CFM/SQ.FT./FOT URE	EXHAUST CFM	SELECTED EXHAUST CFM
MGR	252	5	2	4	4	5	0.06	36						
CASH HALL	109	0	0	0	0	0	0.06	7					-	-
CASH	142	5	1	1	1	5	0.06	14					-	-
COAT ROOM	118	0	0	0	0	0	0.12	15					-	-
LOUNGE	625	50	32	17	20	0.5	0.06	188	370	2000	18.5	0.5	312.5	360
JAN	121	0	0	0	0	0	0.12	15				8	161	165
HALL AT LOUNGE	225	0	0	0	0	0	0.06	14					-	-
MENS RR	183	0	0	0	0	0	0.06	0				8	244	245
WOMENS RR	182	0	0	0	0	0	0.06	0				8	243	245
PROCESSING ROOM	2561	2	6	0	0	10	0.12	368					-	-
ELECTRIC ROOM	190	0	0	0	0	0	0.12	23	405	2600	15.6		-	-
LP	108	5	1	0	1	5	0.06	12					-	-
VESTIBULE	248	0	0	0	0	0	0.06	15					-	-
SALES	1844	15	20	7.5	27	7.5	0.12	420	4430	22000	27		-	-
RUG CLOSET	201	0	0	0	0	0	0.12	25					-	280
TOTAL	18893	-	-	-	277	-	-	4331	5205				-	1295

## BMS SYSTEM NOTES

**BMS INTERFACE SUMMARY** (REFER TO TJX SPECIFICATIONS FOR DETAIL INFORMATION.)

1. GENERAL CONTRACTOR
- 1.1. PROVIDE 4'x8' PLYWOOD BACKBOARD IN ELECTRIC ROOM FOR BMS TO MOUNT THEIR EQUIPMENT. PHONE AND ETHERNET JACKS FOR THE BMS CONTROLLER WILL ALSO BE LOCATED ON THIS BOARD BY SEPARATE TJX VENDOR
2. MECHANICAL CONTRACTOR
- CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN A COMPLETE BMS SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS OUTLINED IN THE TJX OUTLINE SPECIFICATIONS AND REQUIREMENTS FOR REMODEL /CONVERSION CONSTRUCTION – SECTION 15C, AND TO COMPLY WITH REQUIREMENTS OF LOCAL CODE AND STATE REGULATIONS AND THE UNDERWRITING AGENCY HAVING JURISDICTION.
3. ELECTRICAL CONTRACTOR
- 3.1. REFER TO ELECTRICAL PLANS FOR REQUIREMENTS AND COORDINATION INFORMATION

## NATIONAL ACCOUNTS

TJX GROUP OF COMPANIES HAS A NATIONAL ACCOUNT AGREEMENT WITH YORK. AIR CONDITIONING UNITS ARE OWNER FURNISHED. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND ACCEPTING THE EQUIPMENT, VERIFYING PROPER QUANTITIES, PROVIDING TEMPORARY STORAGE, LABOR, PROPER INSTALLATION, AND ONE-YEAR LABOR WARRANTY.

FOR COMPLETE INFORMATION ON THE OWNER FURNISHED HVAC EQUIPMENT, CONTACT YORK NATIONAL ACCOUNTS: SAUL DIAZ

CONTACT: SAUL DIAZ @ SAUL.OMAR.DIAZ@JCI.COM  
CC @ BE-TJX-NATLACCT@JCI.COM  
DIRECT OFFICE NUMBER: 405-419-6447  
TOLL FREE: 800-484-9738

NOTE: ORDERING PROCEDURES

YORK NATIONAL ACCOUNTS DEPARTMENT WILL ORDER EQUIPMENT AND COORDINATE SHIPMENT WITH THE SUCCESSFUL HVAC CONTRACTOR. THE HVAC CONTRACTOR WILL BE RESPONSIBLE FOR DELIVERY COORDINATION, RECEIVING, AND INSTALLATION AS DESCRIBED IN THE SPECIFICATIONS

STANDARD LEAD-TIME FOR YORK RTU/HVAC EQUIPMENT IS FOUR (4) WEEKS MANUFACTURING PLUS ONE (1) WEEK TRANSPORTATION DEPENDING ON THE LOCATION WITHIN THE 48 STATES. ANY NON-STANDARD OPTION MAY ADD TO THE STANDARD MANUFACTURING LEAD-TIME AND WILL BE CONFIRMED AT PLACEMENT OF ORDER.

NOTE: EQUIPMENT STARTUP INSTRUCTION

YORK IS RESPONSIBLE FOR STARTUP AND COMMISSIONING OF THE HVAC EQUIPMENT

BMS: TJX APPROVED BUILDING MANAGEMENT SYSTEM (CONTACT TJX PROJECT MANAGERS FOR INFORMATION)

THE FOLLOWING EQUIPMENT FALLS UNDER THE YORK (JOHNSON CONTROLS) NATIONAL ACCOUNT AGREEMENT:

THE FOLLOWING EQUIPMENT FALLS UNDER THE YORK (JOHNSON CONTROLS) NATIONAL ACCOUNT AGREEMENT:  
 HVAC EQUIPMENT: YORK  
 GAS UNIT HEATER: STERLING  
 EXHAUST FANS: PENNBARRY  
 DIFFUSERS, GRILLES, REGISTERS: TUTTLE & BAILEY and RUSKIN ROOFTOP SYSTEMS

NO SUBSTITUTIONS WILL BE ALLOWED

**NY ENGINEERS**

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# HomeGoods

# MECHANICAL NOTES & SCH.

Deal Type	
Store Number	
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE

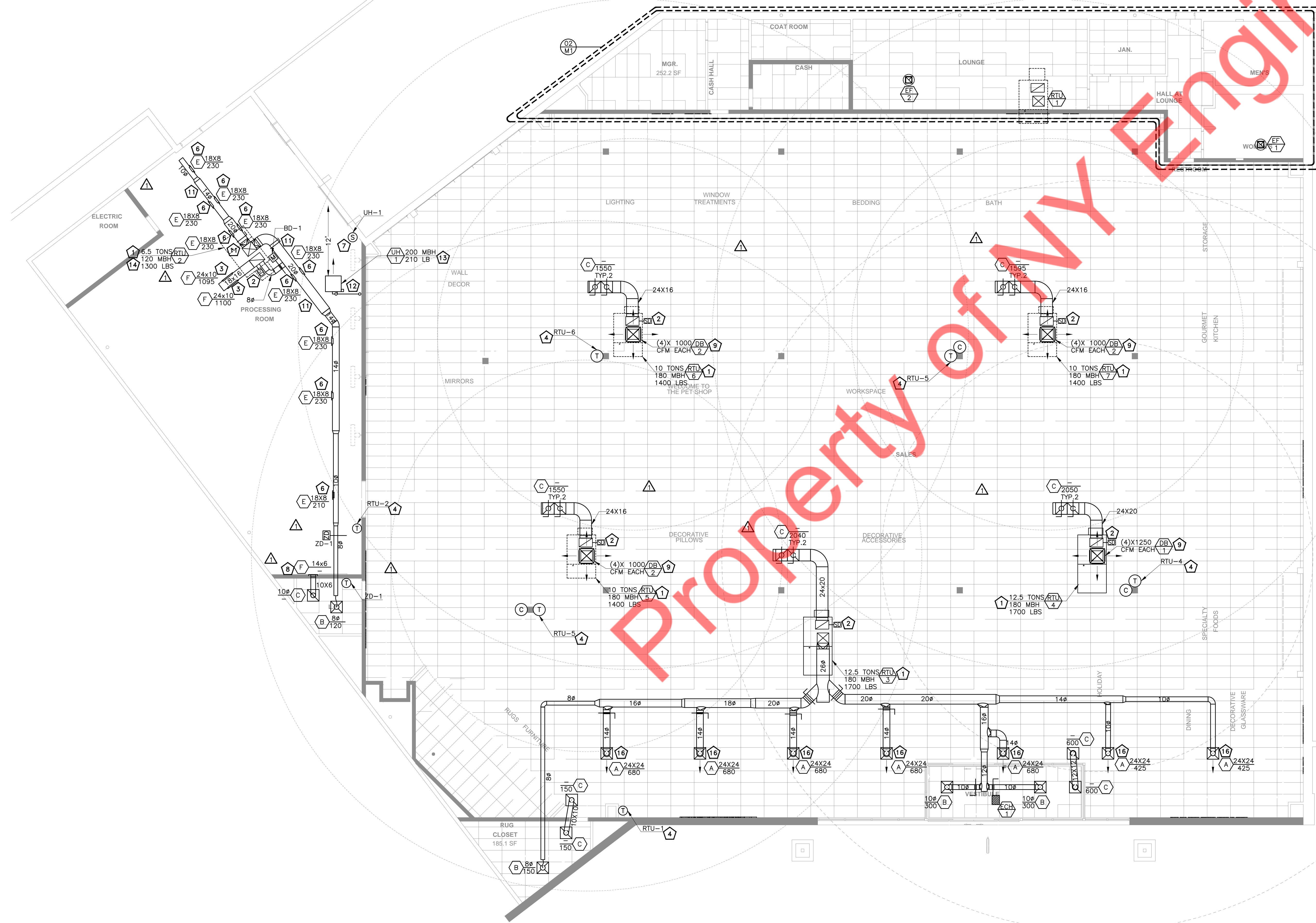
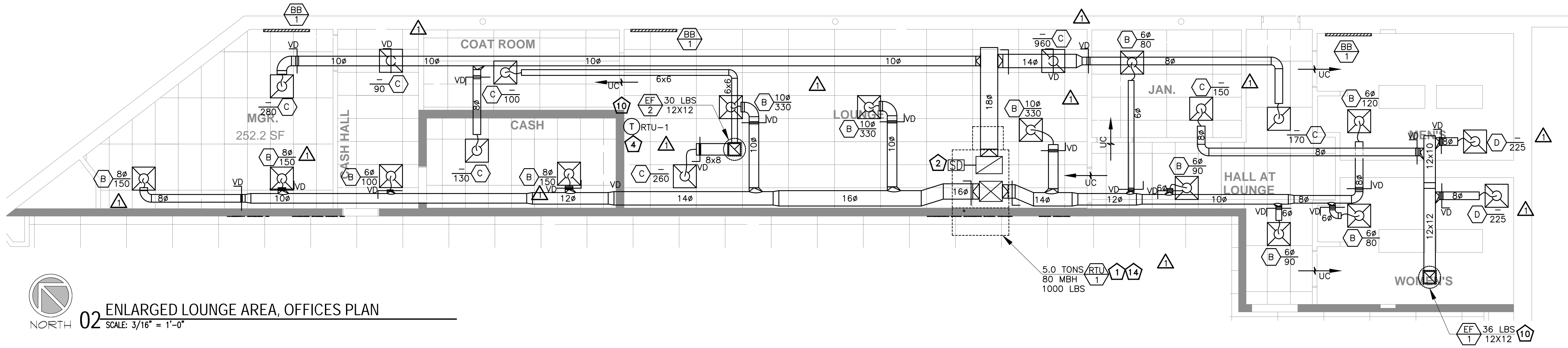
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Scale	As indicated
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MECHANICAL FLOOR PLAN KEYED NOTES

- 1 PROVIDE NEW ROOFTOP UNIT AND FULL PERIMETER ROOF CURB. COORDINATE ALL STRUCTURAL FRAMING REQUIREMENTS WITH GENERAL CONTRACTOR. REPAIR ROOF FLASHING AS NECESSARY. COORDINATE WITH GENERAL CONTRACTOR AND LANDLORD. PROVIDE FULL SIZE DUCT DROPS FROM UNIT DOWN TO DUCT WORK OR DEVICE BELOW. PROVIDE ALL TRANSITIONS AND FINAL CONNECTIONS AS REQUIRED. PROVIDE FLEXIBLE CONNECTIONS IN SUPPLY AND RETURN DUCT WORK. DUCT WORK ABOVE AND BELOW FLEXIBLE CONNECTION SHALL BE SUPPORTED INDEPENDENTLY FROM EACH OTHER.
- 2 DUCT MOUNTED SMOKE DETECTOR FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR DOWNSTREAM OF AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. INTERLOCKING WIRING BETWEEN FIRE ALARM SYSTEM RELAY AND ROOFTOP UNIT SHUTDOWN CONTACT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL OTHER WIRING BY FIRE ALARM CONTRACTOR. UPON DETECTION OF SMOKE, ROOFTOP UNIT SHALL SHUT DOWN UPON AND INITIATE SUPERVISORY SIGNAL AT THE FIRE ALARM PANEL.
- 3 RETURN AIR DUCT TO BE MOUNTED AT 14'-0" TO BOTTOM OF THE DUCTWORK.
- 4 FINAL INSTALLATION LOCATION AND HEIGHT SHALL BE COORDINATED WITH BMS CONTROLS.
- 5 NOT USED.
- 6 INSTALL SUPPLY REGISTERS AT 20" DOWN FROM HORIZONTAL. ADJUST BLADES FOR EVEN DISTRIBUTION.
- 7 BMS SAVVY CONTROLLER FOR UH-1. INSULATE EXTERIOR WALL BEHIND SENSOR. CAULK WIRE PENETRATION THRU WALL. INSTALL SENSOR 60" AFF.
- 8 INSTALL RETURN/TRANSFER GRILLE AS HIGH AS POSSIBLE WITH BLADES DIRECTED AWAY FROM LINE OF SIGHT.
- 9 DROPBOX ASSEMBLY SHALL BE SUPPORTED INDEPENDENTLY FROM DUCT WORK. ADJUST SUPPLY GRILLES FOR EVEN AIR DISTRIBUTION. PROPOSED CONCENTRIC BOX LOCATION. MOUNTING HEIGHT TO BOTTOM OF DROPBOX DIFFUSER TO BE AT ACT CEILING HEIGHT FINAL HEIGHT TO BE COORDINATED WITH ALL TRADES AND APPROVED BY TJX CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- 10 NOT USED.
- 11 BOTTOM OF LARGEST DUCT AT 13'-6" AFF AND MIN. 6" HIGHER THAN BOTTOM OF LIGHT FIXTURE LEVEL. ALL TRANSITIONS SHALL BE SYMMETRICAL.
- 12 TRANSITION FROM VENT OUTLET TO 5" DIA. TYPE "B" VENT AND EXTEND UP THRU ROOF. PROVIDE ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
- 13 PROVIDE GAS FIRED UNIT HEATER SUSPEND FROM STRUCTURE ABOVE WITH STEEL CHANNEL AND THREADED ROD. PROVIDE DOUBLE NUT ON ROD ENDS. MOUNT BOTTOM OF HEATER 12'-0" AFF. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES TO COMBUSTIBLES. FINAL UNIT HEATER LOCATION AND HEIGHT TO BE VERIFIED BY TJX CM PRIOR TO INSTALLATION. C.C. TO COORDINATE ALL UTILITIES WITH ASSOCIATED TRADES (GAS & POWER).
- 14 ONLY DUCTWORK SERVING SALES FLOOR OR VESTIBULE SHALL BE VISIBLE FROM THE SALES FLOOR. ALL OTHER DUCT WORK SHALL BE INSTALLED DIRECTLY ABOVE THE SPACE BEING SERVED.
- 15 NOT USED.
- 16 DIFFUSERS SHALL BE ONE WAY DIRECTED TOWARDS THE STORE FRONT LINE.



MECHANICAL SYMBOLS AND ABBREVIATIONS

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB
EC	ELECTRICAL CONTRACTOR
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
GC	GENERAL CONTRACTOR
HZ	FREQUENCY
LAT	LEAVING AIR TEMPERATURE
MC	MECHANICAL CONTRACTOR
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NC	NOISE CRITERIA
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
RA	RETURN AIR
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WC	WATER COLUMN
WB	WET BULB

DOUBLE LINE DUCT SYMBOLS:

	NEW SHEET METAL DUCTWORK & SIZE
	EXISTING DUCTWORK/PIPING TO REMAIN
	EXISTING DUCTWORK/PIPING TO BE REMOVED
	SUPPLY OR OUTSIDE AIR DUCT
	RETURN DUCT
	EXHAUST DUCT
	DUCT TRANSITION
	DUCT TRANSITION - RECTANGULAR TO ROUND
	SUPPLY DUCT ELBOW - UP AND DOWN
	RETURN DUCT ELBOW - UP AND DOWN
	EXHAUST DUCT ELBOW - UP AND DOWN
	FIXED VANE TURNING ELBOW
	FULL RADIUS ELBOW
	RECTANGULAR BRANCH WITH VOLUME DAMPER (RECTANGULAR MAIN)
	ROUND BRANCH WITH VOLUME DAMPER (RECTANGULAR MAIN)
	ROUND BRANCH WITH VOLUME DAMPER (ROUND MAIN)
	FLEXIBLE DUCTWORK

GRILLES/DIFFUSERS:

	SUPPLY DIFFUSER (4-WAY THROW)
	SUPPLY DIFFUSER (3-WAY THROW)
	SUPPLY DIFFUSER (2-WAY THROW)
	SUPPLY DIFFUSER (1-WAY THROW)
	SIDEWALL MOUNTED SUPPLY REGISTER
	RETURN/TRANSFER GRILLE
	EXHAUST GRILLE

GENERAL REFERENCES/NOTATIONS:

	DETAIL OR SECTION REFERENCE
	CONNECT TO EXISTING
	TAGGED NOTE DESIGNATION
	REVISION DESIGNATION
	EQUIPMENT DESIGNATION
	DIFFUSER TAG
	NECK SIZE
	GRILLE/REGISTER/DIFFUSER DESIGNATION
	3/4" DOOR UNDERCUT - COORDINATE WITH GENERAL CONTRACTOR

EQUIPMENT:

	ROOF MOUNTED EXHAUST FAN
	PACKAGED ROOFTOP UNIT
	GAS UNIT HEATER
	CEILING HEATER
	THERMOSTAT
	REMOTE TEMPERATURE SENSOR
	SENSOR / CONTROLLER.
	CARBON DIOXIDE SENSOR
	SMOKE DETECTOR

NOTES:  
REFER TO PLANS, EQUIPMENT SCHEDULES AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING ALL EQUIPMENT AND DEVICES.  
MECHANICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE.

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1	TJX REVIEW COMMENTS	02.24.25
2	TJX REVIEW COMMENTS	03.18.25

HomeGoods

MECHANICAL FLOOR PLANS

Deal Type	
Store Number	
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE


M1

Scale As indicated



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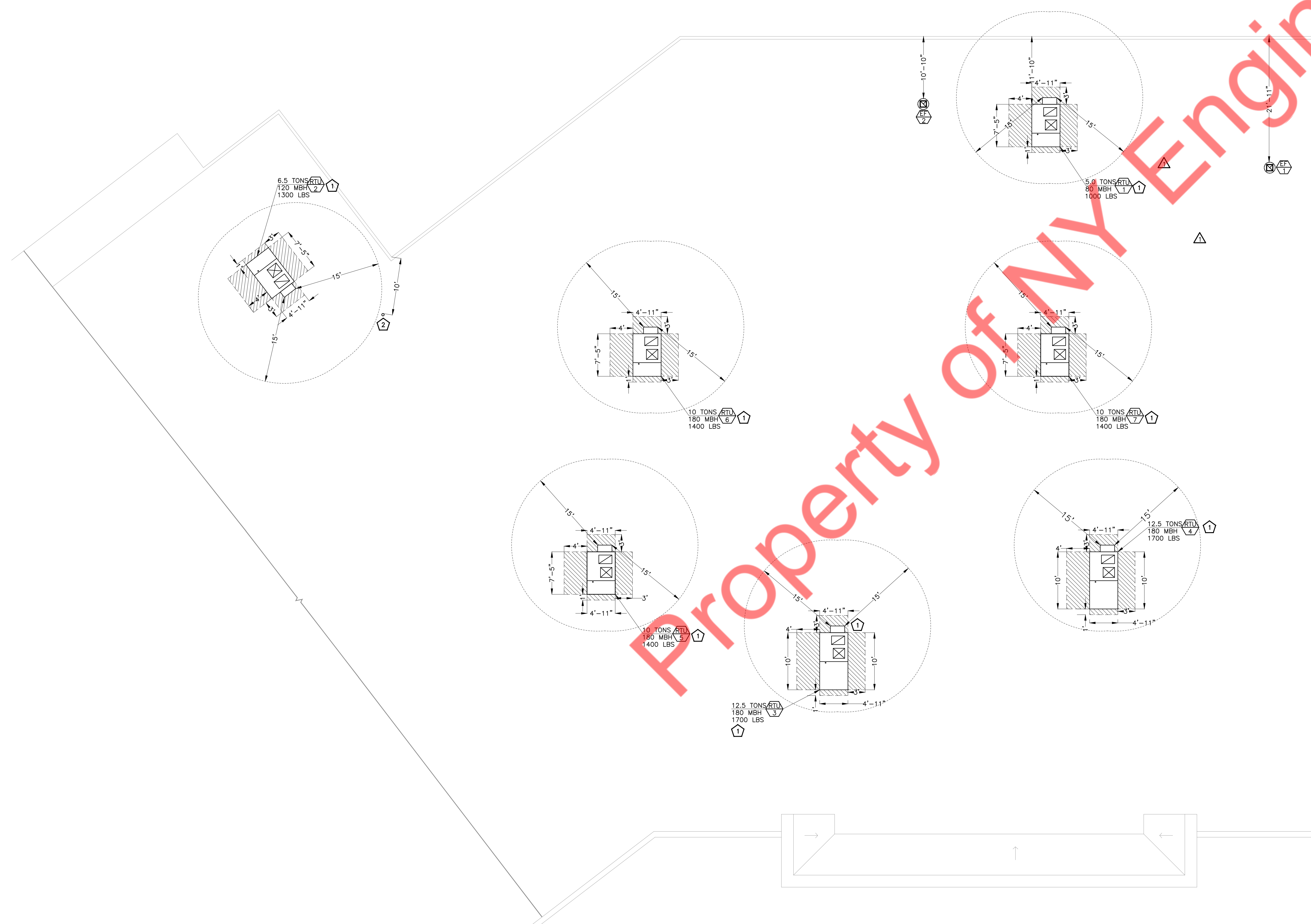
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2	TJX REVIEW COMMENTS	03.18.25

MECHANICAL  
ROOF PLAN

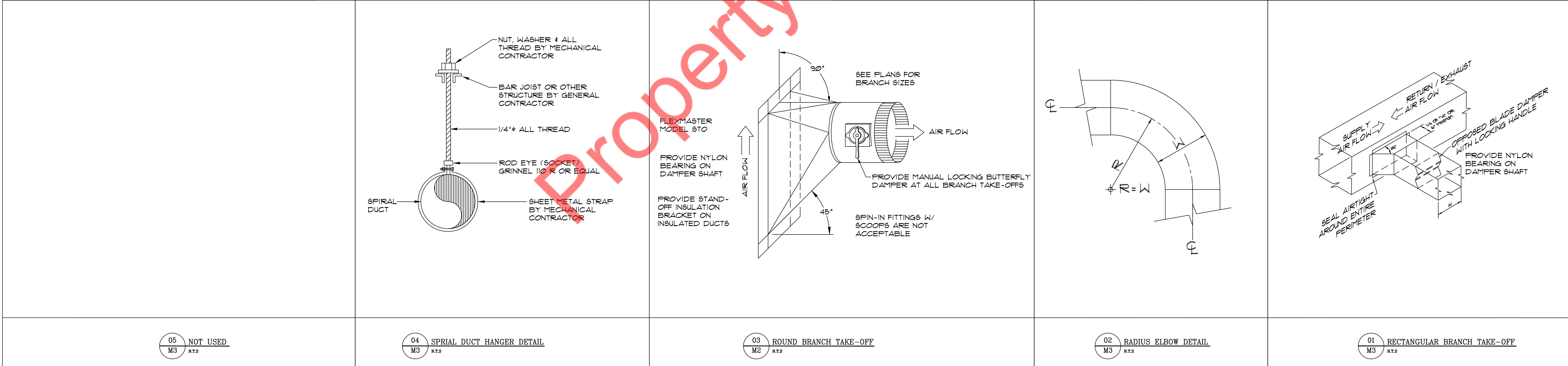
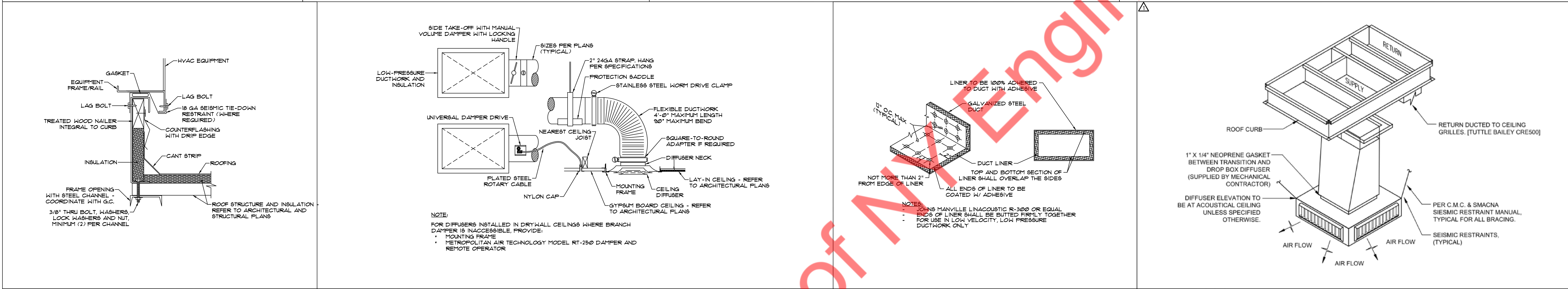
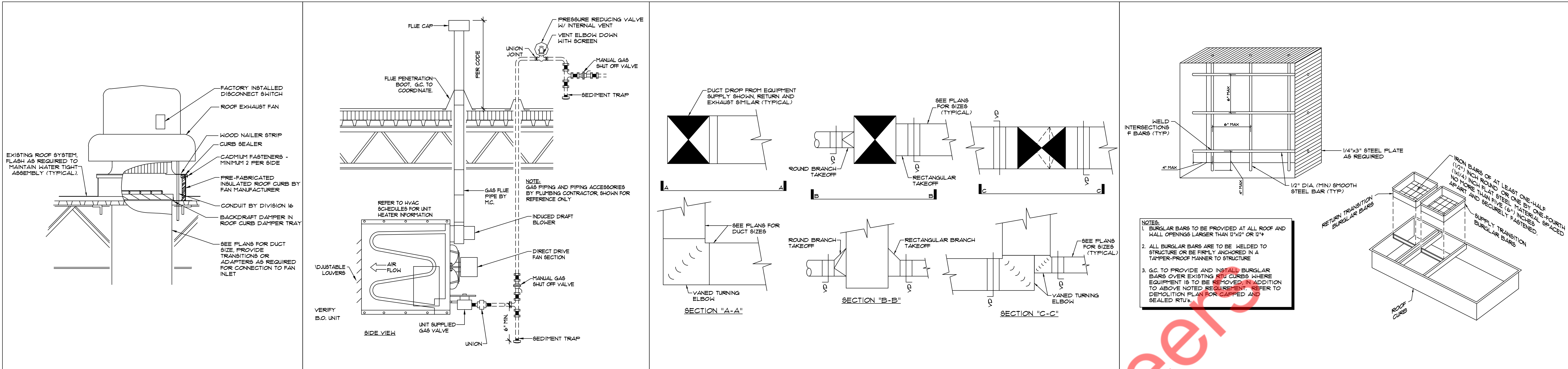
Deal Type	
Store Number	
Date	11/19/24
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Criteria Set By	NYE
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## MECHANICAL DETAILS

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Store Number  
Date  
Planned By  
Criteria Set By  
Checked By

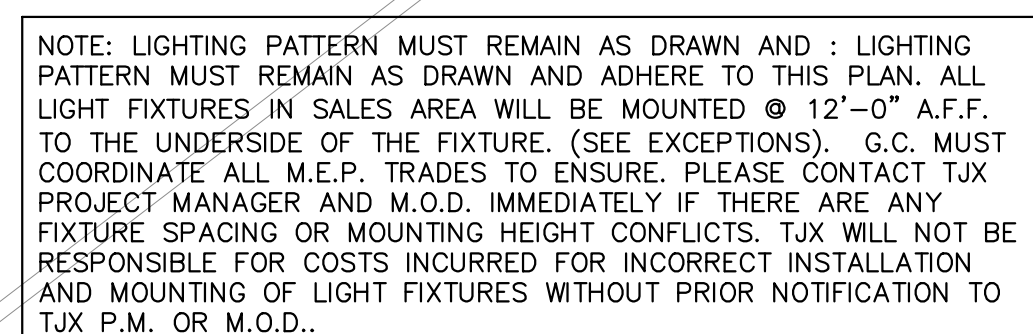
M3

Scale As indicated



1

4. SECURE EXCESS CORD WITH TIE STRAP ABOVE LIGHT FIXTURE  
COORDINATE WITH TJX PROJECT MANAGER



EC SHALL PROVIDE CIRCUITING AS REQUIRED PER  
NEC TRACK LIGHTING CALCULATIONS OR PROVIDE  
CURRENT LIMITING DEVICES AS REQUIRED TO MEET  
ENERGY CODE REQUIREMENTS. ALL TRACK  
LIGHTING TO BE 120V.

LIGHTING PLAN KEY NOTES	
1.	NOT USED.
2.	MOUNT DOCK LIGHT @ 6'-6". SEE POWER PLAN SHEET E2 FOR POWER REQUIREMENTS.

LIGHT FIXTURE "L" IS EQUIPPED WITH EMERGENCY LIGHTING FEATURE FOR EMERGENCY EGRESS AT EXTERIOR DOORS. IF LOCAL AUTHORITY REQUIRES SEPARATE EMERGENCY LIGHT EC SHALL CHOOSE FROM ACUITY'S LITHONIA LINE.

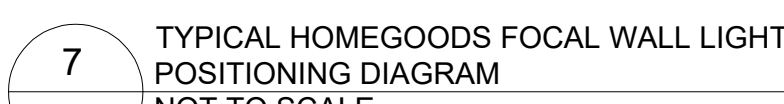
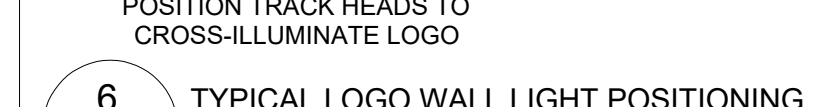
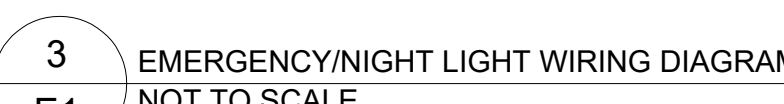
LIGHTING LOAD CONTROL SEQUENCE

1. ZONE "a" - EMPLOYEE LIGHTING = INTERLOCK W/BURGLAR ALARM SYSTEM SUCH THAT WHEN THE SYSTEM IS DISARMED THE EMPLOYEE LIGHTING TURN OFF. WHEN BURGLAR ALARM IS ARMED THE EMPLOYEE LIGHTING SHALL TURN OFF.

ZONE "a" SHALL CONTROL THE FOLLOWING LOADS:

50% OF SALES GENERAL LIGHTING (ALTERNATING ROWS)  
PROCESSING ROOM LIGHTING  
EMPLOYEE SUPPORT AREAS  
UH-1, BB-1, EH-1

BY THE "BMS" PHOTOCELL AND TIME SCHEDULE. ZONE "S"  
SHALL CONTROL THE FOLLOWING LOADS:  
STOREFRONT SIGNS  
EXTERIOR FRONT LIGHTING  
4. ZONE "e" - EXTERIOR WALL PACK LIGHTING = CONTROLLED  
ONLY BY THE "BMS" PHOTOCELL.  
ZONE "e" SHALL CONTROL THE FOLLOWING LOADS:  
EXTERIOR REAR WALL PACK LIGHTING

[illegible]

HomeGoods

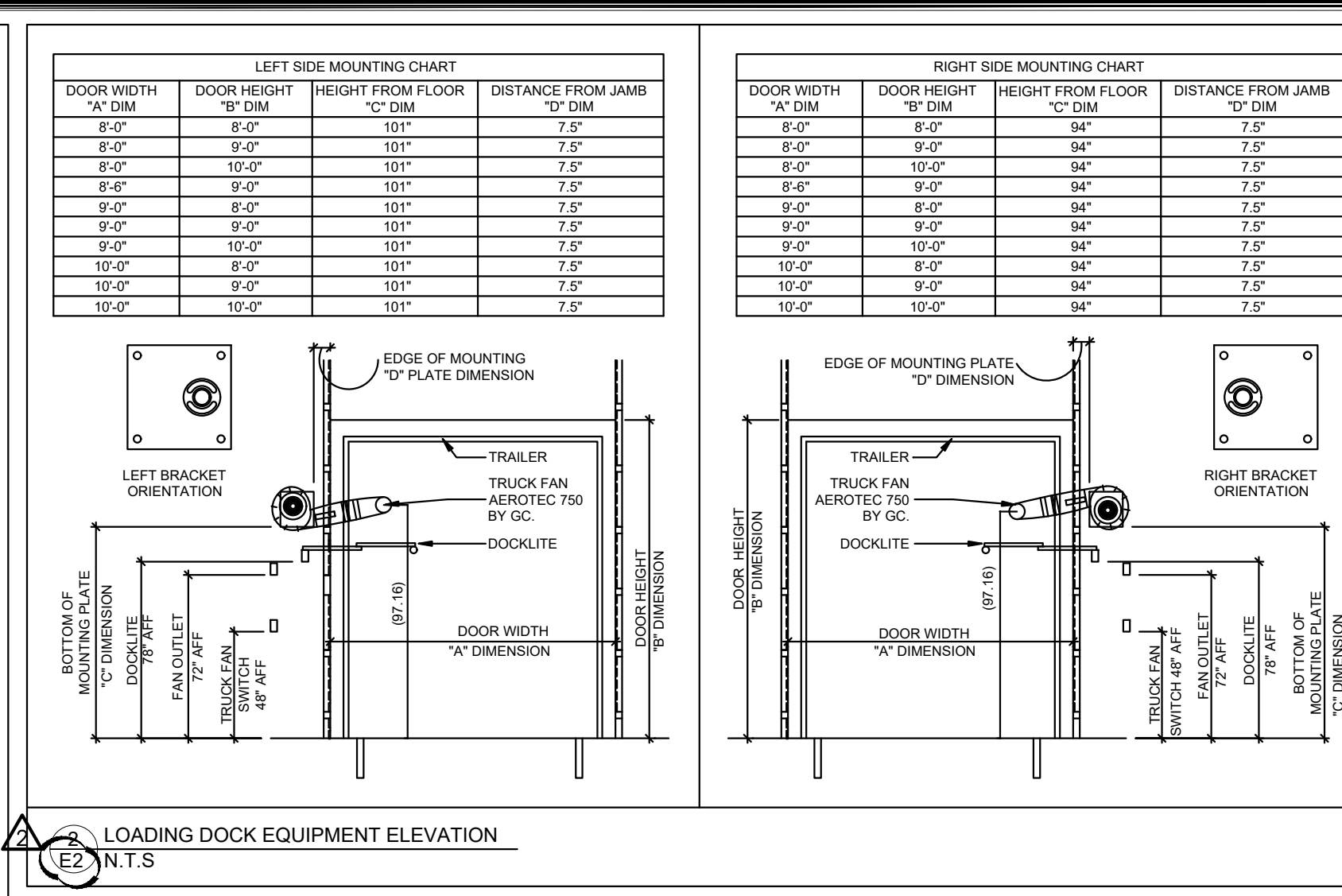
## LIGHTING PLAN

Deal Type	30
Store Number	J4
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE

# E1

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- FIRE ALARM GENERAL NOTES

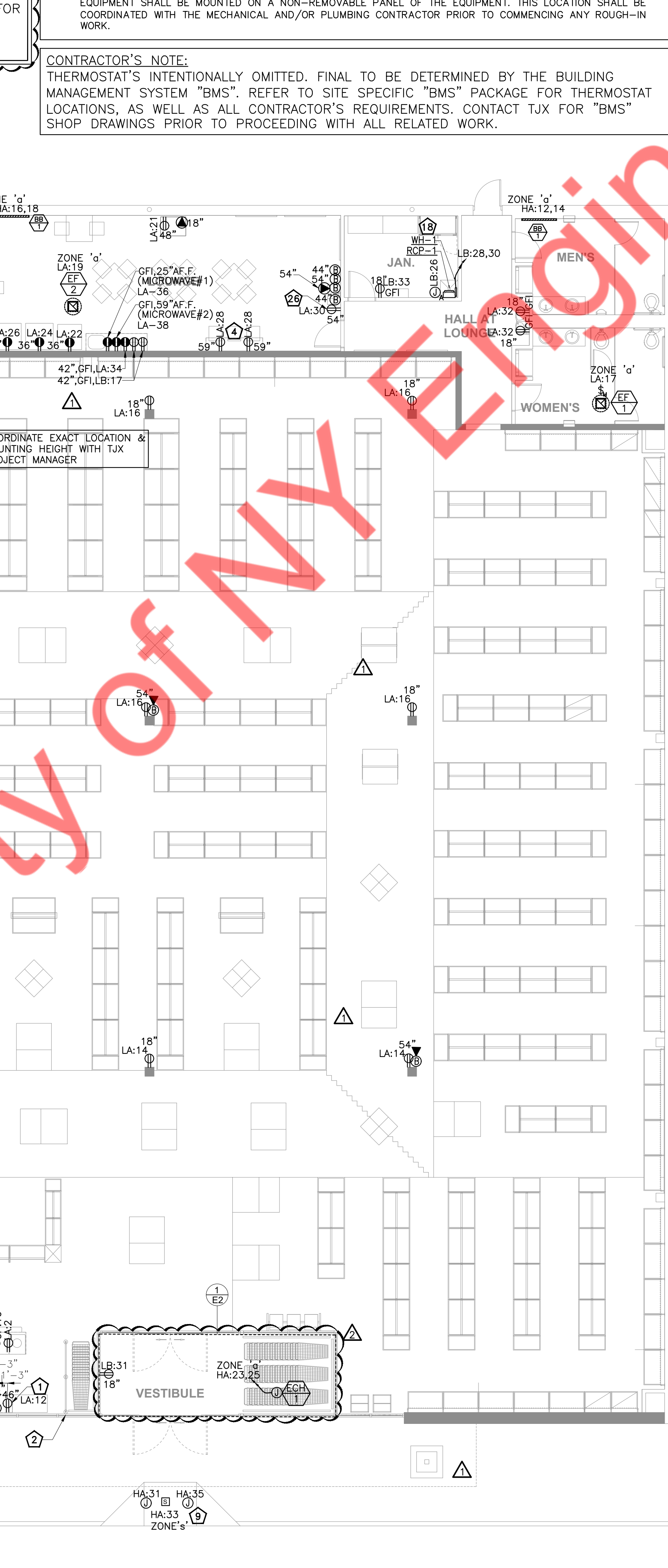
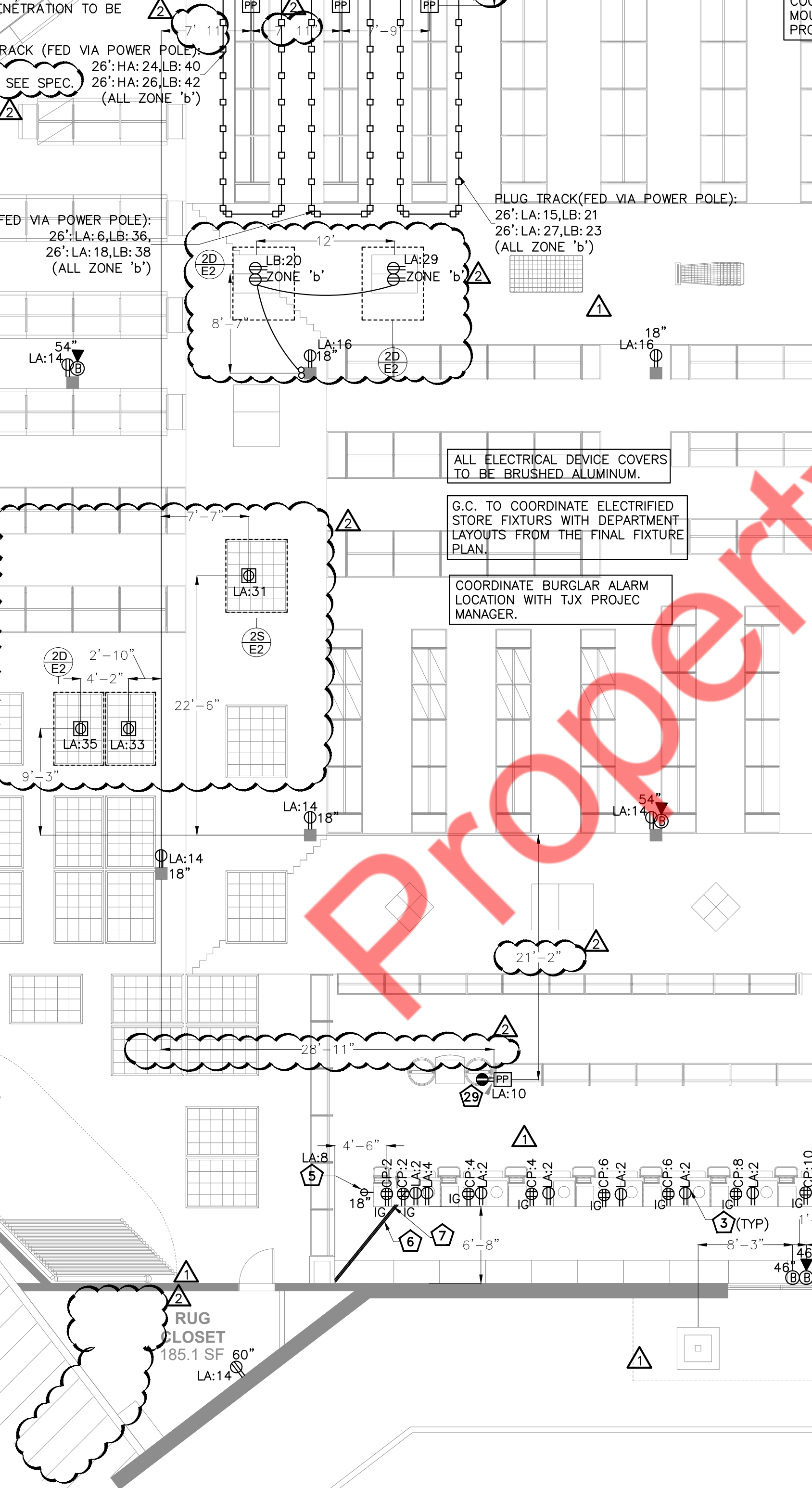
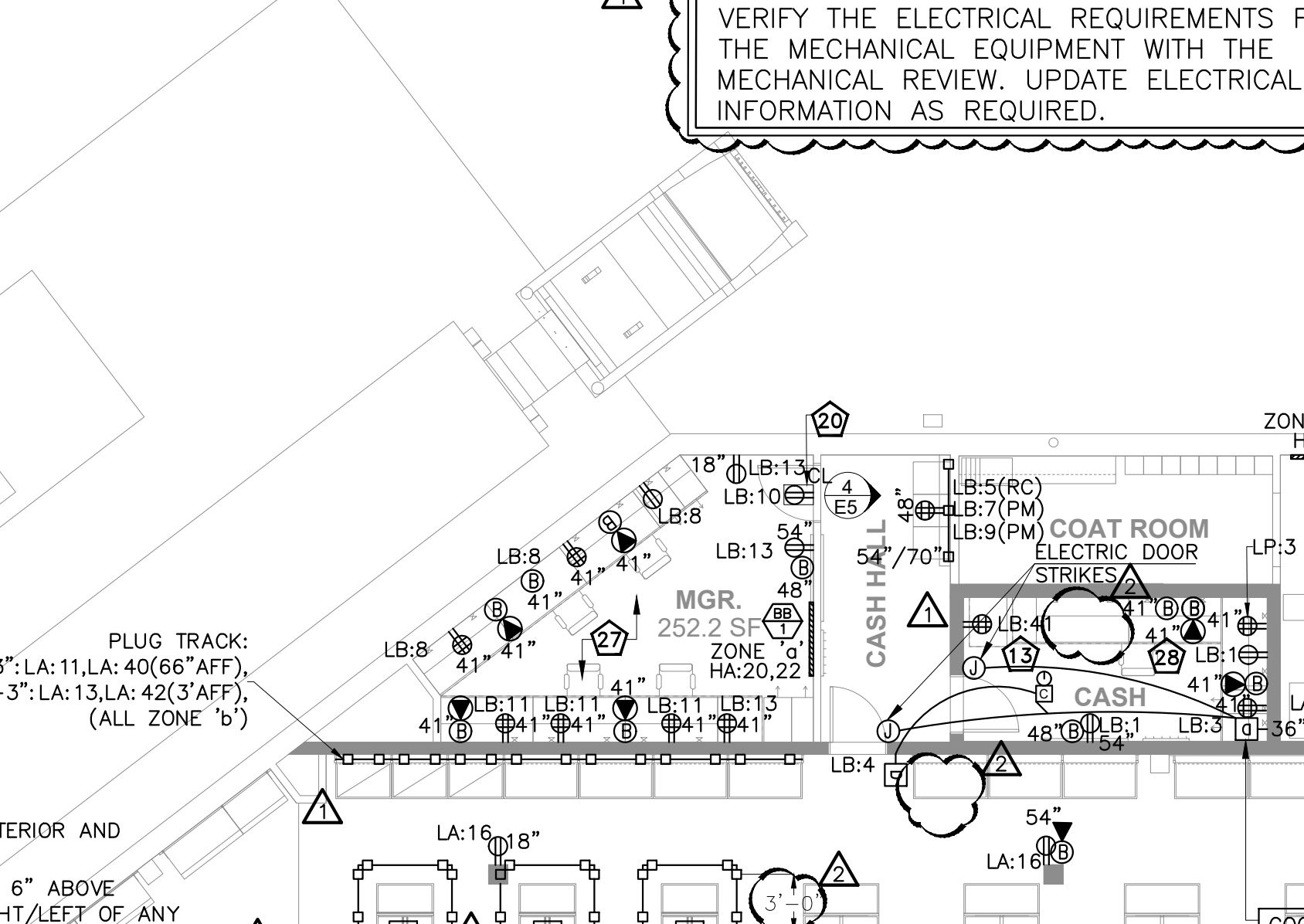
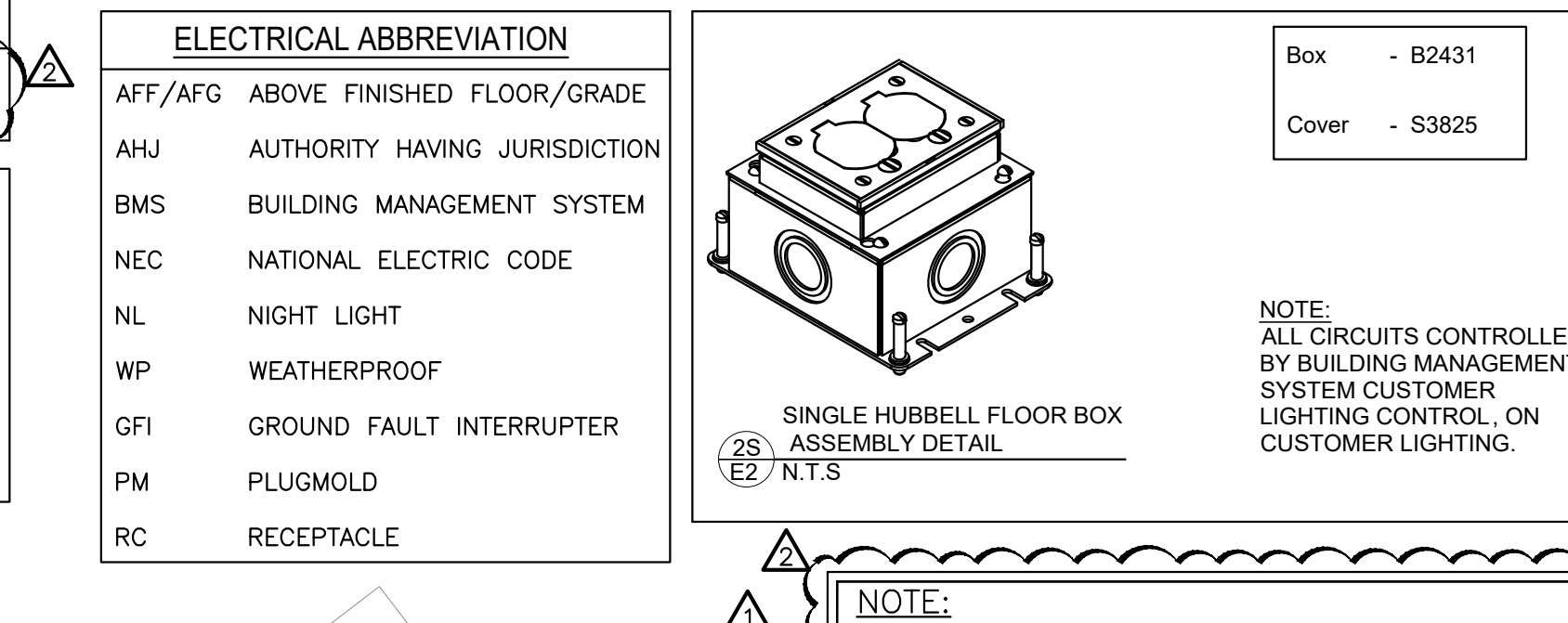
1. FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT. FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT.
2. DUST TYPE SMOKE DETECTORS SHALL BE FURNISHED, INSTALLED & WIRED BY DUST TYPE SMOKE DETECTORS SHALL BE FURNISHED, INSTALLED & WIRED BY MECHANICAL CONTRACTOR. SEE DETAIL THIS DRAWING.
3. FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED & WIRED FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED & WIRED BY MECHANICAL CONTRACTOR. PANEL BY FIRE ALARM CONTRACTOR. E.C. SHALL PROVIDE CONDUIT WITH PULL STRING FROM TO HVAC UNIT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.

### HVAC POWER GENERAL NOTE


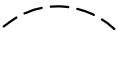





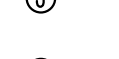

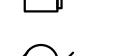

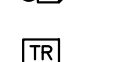







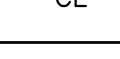




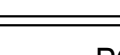
1. VERIFY EXACT LOCATIONS OF HVAC EQUIPMENT, CONDUIT SUB-UPS & POWER VERIFY EXACT LOCATIONS OF HVAC EQUIPMENT, CONDUIT SUB-UPS & POWER CONNECTIONS PRIOR TO ROUGH-IN.
2. VERIFY EXACT LOCATION, MOUNTING HEIGHTS & CONDUIT ROUTING FOR ALL VERIFY EXACT LOCATION, MOUNTING HEIGHTS & CONDUIT ROUTING FOR ALL VERIFY EXACT LOCATION, MOUNTING HEIGHTS & CO2 SENSORS WITH TEMPERATURE CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
3. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE PROVISIONS FOR ALL CONTROL CONDUIT AS REQUIRED INCLUDING INTERLOCKING OF FANS, MOTORS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. ALL DEVICES INSTALLED ON HVAC EQUIPMENT SHALL BE MOUNTED ON A ALL DEVICES INSTALLED ON HVAC EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. THIS LOCATION SHALL BE COORDINATED WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR PRIOR TO COMMENCING ANY ROUGH-IN WORK.

CONTRACTOR'S NOTE

THERMOSTAT'S INTENTIONALLY OMITTED. FINAL TO BE DETERMINED BY THE BUILDING MANAGEMENT SYSTEM "BMS". REFER TO SITE SPECIFIC "BMS" PACKAGE FOR THERMOSTAT LOCATIONS, AS WELL AS ALL CONTRACTOR'S REQUIREMENTS. CONTACT TJX FOR "BMS" SHOP DRAWINGS PRIOR TO PROCEEDING WITH ALL RELATED WORK.



### ELECTRICAL SYMBOL LENGEND

-  CONDUIT INSTALLED CONCEALED ABOVE CEILING OR IN WALL OR AT ROOF STRUCTURE, PAINT TO MATCH STRUCTURE AS APPLICABLE.  
 CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.  
 AC OR DC CONTROL VOLTAGE WIRING.  
 SIMPLEX RECEPTACLE, +18" OR AS NOTED  
 DUPLEX RECEPTACLE, +18" OR AS NOTED  
 ISOLATED GROUND DUPLEX RECEPTACLE, +18" OR AS NOTED, ORANGE COLOR  
 QUADRUPLEX RECEPTACLE, +18" OR AS NOTED  
 ISOLATED GROUND QUADRUPLEX RECEPTACLE, +18" OR AS NOTED, ORANGE COLOR  
 MULTI-RECEPTACLE SYSTEM (PLUGMOLD), INSTALL AS NOTED.  
 POWER POLE  
 JUNCTION BOX  
 CONDUIT BOX WITH BLANK COVER PLATE (FOR FUTURE USE) & " CONDUIT WITH PULL STRING STUBBED 34" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING (OR AS INDICATED BY T&X PROJECT MANAGER FOR AREAS WITH OPEN STRUCTURE ABOVE), +18" OR AS NOTED  
 DISCONNECT SWITCH, MOUNT AS NOTED, VERIFY REQUIREMENTS WITH EQUIPMENT SERVED  
 EXHAUST FAN MOTOR CONNECTION, COORDINATE WITH MECHANICAL CONTRACTOR  
 PUSH BUTTON, MOUNT AS NOTED  
 DOOR BELL CHIME OR BUZZER, MOUNT AS NOTED  
 HVAC TRANSFORMER, INSTALL AS NOTED  
 CHWAL SENSING DEVICE @ +60", VERIFY LOCATIONS W/NOVAR, PROVIDE BACK-BOX & " CONDUIT TO UNIT 34" CONDUIT TO UNIT INDICATED  
 TELEPHONE BOX-WALL HUNG, INSTALL AS NOTED WITH " CONDUIT WITH PULL STRING STUBBED ABOVE 34" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING (OR AS INDICATED BY T&X PROJECT MANAGER FOR AREAS WITH OPEN STRUCTURE ABOVE)  
 TELEPHONE BOX-DESK SET, INSTALL AS NOTED WITH " CONDUIT WITH PULL STRING STUBBED ABOVE 34" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING (OR AS INDICATED BY T&X PROJECT MANAGER FOR AREAS WITH OPEN STRUCTURE ABOVE)  
 TELEPHONE/DATA BOX, INSTALL AS NOTED WITH 1" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING (OR AS INDICATED BY T&X PROJECT MANAGER FOR AREAS WITH OPEN STRUCTURE ABOVE)  
 WIREMOLD ALA4800B SURFACE MOUNTED RACEWAY  
 ELECTRIC DOOR STRIKE, SEE SPECS.  
 LOW VOLTAGE WIRING CONDUIT & JUNCTION BOX BY C.C. W/PULL WIRE. (WIRING BY OTHERS)  
 CEILING MOUNTED DUPLEX RECEPTACLE.

NOTES

REFER TO LIGHT FIXTURE SCHEDULE & SYMBOL LIST FOR SPECIFICATION & INFORMATION ON ALL LUMINAIRES.

REFER TO SPECIFICATIONS & PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS NOTED OTHERWISE.

## POWER PLAN NOTES

- 1) COORDINATE WALL MOUNTED ELECTRICAL WITH CASH CABINET LOCATION. IF STOREFRONT GLASS EXISTS BEHIND CABINET, FIELD VERIFY MOUNTING HEIGHT OF ELECTRICAL WITH T/JX PROJECT MANAGER.
- 2) MOUNT FIRE ALARM ANNUNCIATOR PANEL IN A VISIBLE LOCATION BEHIND CASHWRAP OR AS DIRECTED BY AUTHORITY HAVING JURISDICTION. COORDINATE W/T/JX CONSTRUCTION MANAGER.
- 3) DUPLEX RECEPTACLES FOR 'EAS' SECURITY SHALL BE CONNECTED TO THE SAME CIRCUIT THROUGHOUT CASH REGISTER AREA.
- 4) MOUNT HORIZONTALLY AT 48" AFF.
- 5) DEDICATED SIMPLEX RECEPTACLE TO BE MOUNTED TO END CHECKOUT UNIT. SEE DETAIL SHEET E5 FOR ADDITIONAL INFORMATION.
- 6) (3) 21/2" CONDUITS TO BE CONCEALED IN FLOOR & WALL ON SALES AREA SIDE.
- 7) CONDUIT TERMINATION POINT LOCATED UNDER CASH REGISTER COUNTER FIELD VERIFY AND COORDINATE EXACT LOCATION.
- 8) NOT USED
- 9) FOR EACH EXTERIOR SIGN, ELEC. CONTRACTOR SHALL PROVIDE (3) 20A, 120V CIRCUITS FOR (3) 3-GANG JUNCTION BOXES. MIDDLE JUNCTION BOX SHALL BE CENTERED ON SIGN FIELD, REMAINING JUNCTION BOXES 12" CENTERLINE, EITHER SIDE, CONTROLLED BY BMS. CONTRACTOR COORDINATE EXACT LOCATION OF CIRCUITS WITH SIGN MANAGER + T/JX PROJECT MANAGER SEE SPEC. 16A.
- 10) PROVIDE 60A, 3P, 208V, NEMA 3P, FUSED DISCONNECT SWITCH MOUNTED ON THE EXTERIOR WALL FOR TRASH COMPACTOR. DISCONNECT SWITCH SHALL BE WITHIN SIGHT OF COMPACTOR. COORDINATE REQUIREMENTS WITH COMPACTOR INSTALLER & PROVIDE FINAL CONNECTION, INCLUDING COMPACTOR CONTROL PANEL (3) #4 & (1) #10 GROUND IN 3/4" CONDUIT.
- 11) NOT USED
- 12) PROVIDE (1) PLUGMOLD AT LP DESK SEE DETAIL SHEET E5 FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION WITH T/JX PROJECT MANAGER.
- 13) PROVIDE QUADRUPEX RECEPTACLE ABOVE CEILING FOR LOSS PREVENTION EQUIPMENT & TRANSFORMERS. VERIFY EXACT LOCATION WITH T/JX PROJECT MANAGER.
- 14) PROVIDE 2" CONDUIT SLEEVE AND GOOSENECK THROUGH ROOF FOR SATELLITE CABLES. ID RMC CONDUIT WITH RMC WEATHER-HEAD REQUIRED FOR CABLE ACCESS TO ANTENNA. CONDUIT TO BE LOCATED AT ROOF DECK OVER ELECTRICAL ROOM OR SYSTEMS ROOM. THE MAST IS TO BE LOCATED IN AN AREA OF THE ROOF THAT HAS NO OBSTRUCTION WITHIN A RADIUS OF 8- FEET FROM THE MAST. TYPICAL OBSTRUCTION TO BE REMOVED AND ARE ROOF TOP UNITS, LIFT, VENTS AND PARAPETS. CONFIRM EXACT MOUNTING LOCATION WITH T/JX PROJECT CONSTRUCTION MANAGER. CONDUIT TO PENETRATE ROOF DECK APPROXIMATELY 30" DOWN INTO INTERIOR ROOF STRUCTURE AND BE SECURELY FASTENED TO INTERIOR SIDE OF AN EXTERIOR WALL, INTERIOR FRAMED WALL, INTERIOR ROOF STRUCTURE OR UNISTRUT THAT IS SECURELY FASTENED TO EITHER. RMC CONDUIT TO EXTEND 42" ABOVE ROOF DECK, AND HAVE WEATHER-HEAD SECURELY ATTACHED. CONDUIT SHOULD BE CLEAR OF ROOF OBSTRUCTIONS. CONDUIT TO BE VOID OF SHARP EDGES.
- 15) FURNISH & INSTALL REAR DOOR ALARM CONTROL SYSTEM AT THE STOCKROOM MAIN DOOR. PROVIDE 120 VOLT CIRCUIT (UNSWITCHED) AND A LOW VOLTAGE TRANSFORMER (24V/50 VA) UL APPROVED (AS REQUIRED). ABOVE THE HEAD OF THE DOOR (WITHIN 10"-07"). ALARM SHALL BE ACTIVATED BY DOOR SENSORS WHEN DOOR IS OPEN POSITION AND SHALL PRODUCE A CONTINUOUS CHIME TONE. WHEELLOCK 380V29 FROM GRANGER MODEL #W0121092 & REQUIRED ACCESSORIES. VERIFY W/T/JX P.M. PRIOR TO INSTALLATION.
- 16) NOT USED
- 17) PROVIDE REQUIRED SIZED CONDUIT & (2) JUNCTION BOXES WITH BLANK PLATES AT LOCATION OF FIRE ALARM PANEL. VERIFY EXACT LOCATION WITH T/JX PROJECT MANAGER & LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. COORDINATE ALL INTEGRATION WITH EXISTING FIRE ALARM SYSTEM AS REQUIRED.
- 18) PROVIDE 30A, 2P TOGGLE SWITCH WITH (2) #10 & (1) #10 GROUND FOR WATER HEATER. COORDINATE REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 19) NOT USED
- 20) MOUNT DUPLEX RECEPTACLE FOR STORE SECURITY SYSTEM ABOVE CEILING, NEAR DOOR. VERIFY EXACT LOCATION WITH T/JX PROJECT MANAGER PRIOR TO INSTALLATION.
- 21) NOT USED
- 22) NOT USED
- 23) NOT USED
- 24) VIBRATING BELT & WEATHERPROOF PUSH BUTTON. PROVIDE 120V CIRCUIT (UNSWITCHED). VERIFY W/T/JX P.M. PRIOR TO INSTALLATION.
- 25) NOT USED
- 26) LOCATE FOR EMPLOYEE TIME CLOCK. MOUNT AT 54" A.F.F.
- 27) COORDINATE EXACT LOCATION OF MANAGER'S OFFICE DEVICES W/T/JX PROJECT MANAGER PRIOR TO ROUGH-IN.
- 28) MOUNT DEVICES IN THIS ROOM @ 41" A.F.F. UNLESS NOTED OTHERWISE.
- 29) PROVIDE POWER POLE FOR POP COOLER RECEPTACLE. VERIFY EXACT LOCATION WITH T/JX PROJECT MANAGER. PROVIDE MATCHING RECEPTACLE.
- 30) NOT USED
- 31) E.C. SHALL COORDINATE WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR FOR EXACT INTERLOCK FOR MOTORIZED DAMPERS AT FIELD, REPORT TO ENGINEER FOR ANY DISCREPANCY. BASE BID ACCORDINGLY.
- 32) PROVIDE A DUPLEX RECEPTACLE AT EACH CIRCULATING WALL FAN LOCATION. FANS TO BE CONTROLLED VIA A SWITCHING BANK WITH (4) TORQ ASOEH 6-HOUR SPRING WOUND WALL MOUNTED TIMER SWITCHES, AND CIRCULATING ZONE "A". SEE DETAIL #02/62 FIELD VERIFY AND COORDINATE EXACT MOUNTING LOCATION OF FANS, AND SWITCHBANK WITH T/JX PROJECT CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- 33) MOUNT DUPLEX RECEPTACLE AND TIMER SWITCH FOR AEROTECK AT750 DELIVERY TRUCK WALL FAN. FAN TO BE CONTROLLED VIA A SWITCHING BANK WITH (4) TORQ ASOEH 6-HOUR SPRING WOUND WALL MOUNTED TIMER SWITCHES, AND CIRCULATING ZONE "A". SEE DETAIL #02/62 FIELD VERIFY AND COORDINATE EXACT MOUNTING LOCATION OF FANS, AND SWITCHBANK WITH T/JX PROJECT CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. REFER TO DETAIL #44 THIS DRAWING FOR ADDITIONAL INFORMATION.

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# HomeGoods

## POWER PLAN

E2

Scale	As indicated
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ELECTRICAL RISER DIAGRAM KEYED WORK NOTES:

1

ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR ROOF-TOP UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED TO MAINTAIN NEC CLEARANCES.

2

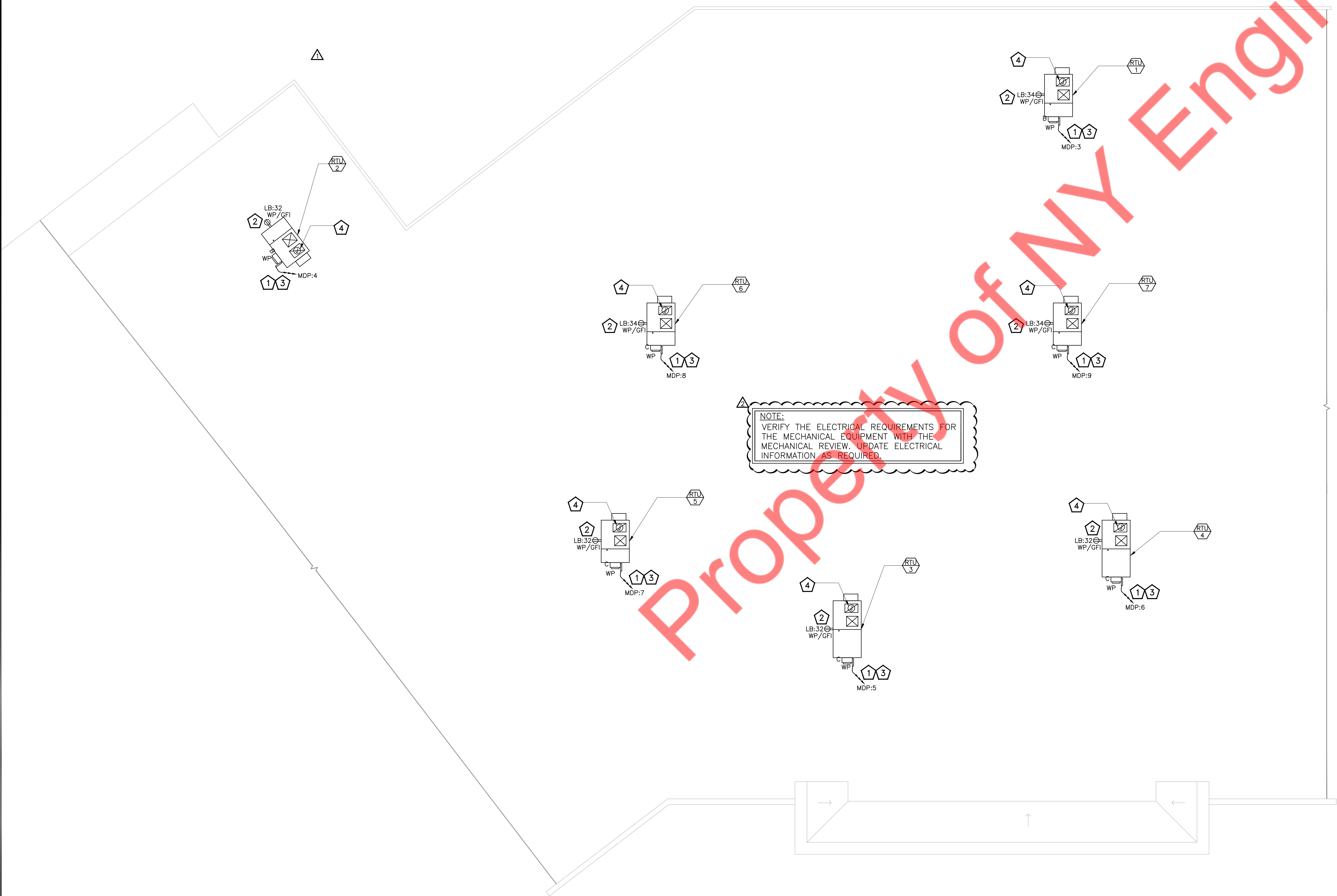
WEATHER PROOF GFCI RECEPTACLE SHIPPED LOOSE W/ROOF TOP UNIT. FINAL INSTALLATION & CONNECTION BY ELECTRICAL CONTRACTOR.

3

E.C. SHALL COORDINATE FOR EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.

4

ROOFTOP UNIT SMOKE DETECTOR. PROVIDE REMOTE TEST MOUNTED IN LOCATION DICTATED BY LOCAL FIRE AUTHORITY. IF MOUNTED TO NEAREST COLUMN, PLACE ON TELEPHONE SIDE OF COLUMN AND HIGHER THAN SLAT WALL FINISH(TYPICAL FOR ALL ROOF TOP UNITS). COORDINATE WITH GENERAL CONTRACTOR.



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POWER PLAN-  
ROOF

Deal Type \_\_\_\_\_ J0  
Store Number \_\_\_\_\_ J4  
Date \_\_\_\_\_ 11/19/24  
Planned By \_\_\_\_\_ NYE  
Criteria Set By \_\_\_\_\_ NYE  
Checked By \_\_\_\_\_ NYE

E3

Scale \_\_\_\_\_ As indicated



PANEL SCHEDULE: PANEL: MDP (N) 208Y/120 VOLTS, 3 PHASE, 4 WIRE. LOCATION: ELECTRICAL ROOM. MAIN CB 1200A MLO: NA BUS: 1200A MIN. FED FROM: ELECTRICAL METER/CT CABINET. NOTE: L: LIGHTING, H: HVAC LOAD, E: EQUIPMENT, M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL). Table with 20 columns: CKT NO., TRIP AMPS, DESCRIPTION OF LOAD, LOAD TYPE, LOAD (KVA), NOTE, MINIMUM BRANCH CIRCUIT, PER PHASE (KVA) A B C, MINIMUM BRANCH CIRCUIT, NOTE, LOAD (KVA), LOAD TYPE, DESCRIPTION OF LOAD, TRIP AMPS, CKT NO.

PANEL: HA (N) 208Y/120 VOLTS, 3 PHASE, 4 WIRE. LOCATION: ELECTRICAL ROOM. MAIN CB NA MLO: 100A BUS: 125A MIN. FED FROM: PANEL "MDP". NOTE: L: LIGHTING, H: HVAC LOAD, E: EQUIPMENT, M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL). Table with 20 columns: CKT NO., TRIP AMPS, DESCRIPTION OF LOAD, LOAD TYPE, LOAD (KVA), NOTE, MINIMUM BRANCH CIRCUIT, PER PHASE (KVA) A B C, MINIMUM BRANCH CIRCUIT, NOTE, LOAD (KVA), LOAD TYPE, DESCRIPTION OF LOAD, TRIP AMPS, CKT NO.

PANEL: LA (N) 208Y/120 VOLTS, 3 PHASE, 4 WIRE. LOCATION: ELECTRICAL ROOM. MAIN CB 225A MLO: NA BUS: 225A MIN. FED FROM: PANEL "MDP". NOTE: L: LIGHTING, H: HVAC LOAD, E: EQUIPMENT, M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL). Table with 20 columns: CKT NO., TRIP AMPS, DESCRIPTION OF LOAD, LOAD TYPE, LOAD (KVA), NOTE, MINIMUM BRANCH CIRCUIT, PER PHASE (KVA) A B C, MINIMUM BRANCH CIRCUIT, NOTE, LOAD (KVA), LOAD TYPE, DESCRIPTION OF LOAD, TRIP AMPS, CKT NO.

PANEL: LB (N) 208Y/120 VOLTS, 3 PHASE, 4 WIRE. LOCATION: ELECTRICAL ROOM. MAIN CB NA MLO: 100A BUS: 125A MIN. FED FROM: PANEL "LA". NOTE: L: LIGHTING, H: HVAC LOAD, E: EQUIPMENT, M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL). Table with 20 columns: CKT NO., TRIP AMPS, DESCRIPTION OF LOAD, LOAD TYPE, LOAD (KVA), NOTE, MINIMUM BRANCH CIRCUIT, PER PHASE (KVA) A B C, MINIMUM BRANCH CIRCUIT, NOTE, LOAD (KVA), LOAD TYPE, DESCRIPTION OF LOAD, TRIP AMPS, CKT NO.

PANEL SCHEDULE NOTES:

GENERAL NOTES: BALANCE PANELS WITHIN 10% PHASE TO PHASE. A,B,C: CIRCUIT SHALL BE CONTROLLED BY THE BUILDING MANAGEMENT SYSTEM. LIGHTING CONTROL ZONE INDICATED. BMS: (B) POWER FEEDS FOR BUILDING MANAGEMENT SYSTEM MUST BE FED FROM THE SAME PANEL/BOARD AND PHASE. G: GROUND FAULT CIRCUIT INTERRUPTER BREAKER. HANDLE LOCK "ON" CLAMP DEVICE. HACS: PROVIDE "MAGNETIC" TYPE BREAKER FOR ROOF TOP EQUIPMENT.

ELECTRICAL SERVICE LOAD SUMMARY:

Table with 4 columns: LOAD CLASSIFICATION, CONNECTED LOAD (KVA), DEMAND FACTOR, DEMAND LOAD (KVA). Rows include: TOTAL LIGHTING, TOTAL RECEPTACLE UP TO 10KVA, TOTAL RECEPTACLE ABOVE 10KVA, TOTAL HVAC, TOTAL MOTOR, TOTAL KITCHEN/EQUIPMENTS, TOTAL OTHER/MISCELLANEOUS.

PANEL: CP (N) 208Y/120 VOLTS, 1 PHASE, 3 WIRE. LOCATION: ELECTRICAL ROOM. MAIN CB 30A MLO: NA BUS: 125A MIN. FED FROM: PANEL "LB". NOTE: L: LIGHTING, H: HVAC LOAD, E: EQUIPMENT, M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL). Table with 20 columns: CKT NO., TRIP AMPS, DESCRIPTION OF LOAD, LOAD TYPE, LOAD (KVA), NOTE, MINIMUM BRANCH CIRCUIT, PER PHASE (KVA) A B, MINIMUM BRANCH CIRCUIT, NOTE, LOAD (KVA), LOAD TYPE, DESCRIPTION OF LOAD, TRIP AMPS, CKT NO.

NOTE: NEW COMMERCIAL GRADE PANELBOARD WITH BOLT-ON CIRCUIT BREAKERS. SEE SPECIFICATIONS. PANEL WITH GROUND BUS AND ISOLATED GROUND BUS. PANEL SHALL BE FULLY RATED FOR 22,000 AIC. POWER FEED CIRCUIT BREAKERS FOR BUILDING MANAGEMENT SYSTEM "BMS" MUST BE FED FROM SAME PANELBOARD AND PHASE.

PANEL: LCP-1(N) LOCATION: ELECTRICAL ROOM MOUNTING: SURFACE. Table with 6 columns: RELAY NO., CKT NO., DESCRIPTION OF LOAD, CONTROL ZONE, CONTROL ZONE, DESCRIPTION OF LOAD, CKT NO., RELAY NO. Rows include: 1 HA-1 LIGHTING - SALES GENERAL, 3 HA-5 LIGHTING - SALES GENERAL, 5 HA-9 LIGHTING - SALES GENERAL, 7 HA-13 LIGHTING - SALES GENERAL, 9 HA-2 LIGHTING - EMPLOYEE AREAS, 11 HA-10 LIGHTING - PROCESSING, 13 HA-15 BLADE SIGN, 15 HA-23,25 ECH-1 ENTRY VESTIBULE, 17 HA-12,14 BB-1 MEN'S TOILET ROOM, 19 HA-16,18 BB-1 EMPLOYEE'S LOUNGE, 21 HA-20,22 BB-1 MANAGER'S OFFICE, 23 LA-17 EF-1 REST ROOM/JANITOR'S ROOM, 25 LA-19 EF-2 EMPLOYEE'S LOUNGE, 27 LA-25 UH-1 RECEIVING AREA(PROCESSING ROOM), 29 HA-4 LIGHTING - WALL PACKS, 31 HA-6 LIGHTING - CANOPY, 33 HA-31 BUILDING SIGNAGE, 35 HA-33 BUILDING SIGNAGE, 37 HA-35 BUILDING SIGNAGE.

COMMENTS: 1. ALL ZONES SHALL BE CONTROLLED BY BUILDING MANAGEMENT SYSTEM.

PANEL: LCP-2(N) LOCATION: ELECTRICAL ROOM MOUNTING: SURFACE. Table with 6 columns: RELAY NO., CKT NO., DESCRIPTION OF LOAD, CONTROL ZONE, CONTROL ZONE, DESCRIPTION OF LOAD, CKT NO., RELAY NO. Rows include: 1 LA:10 RECEPTACLE - SALES GENERAL, 3 LA:14 RECEPTACLE - SALES GENERAL, 5 LA:16 RECEPTACLE - SALES GENERAL, 7 LA:31 RECEPTACLE FLOOR BOX, 9 LA:33 RECEPTACLE FLOOR BOX, 11 LA:35 RECEPTACLE FLOOR BOX, 13 LA:40 PLUG TRACK, 15 LA:42 PLUG TRACK, 17 LB-21 PLUG TRACK, 19 LB-22 PLUG TRACK, 21 LB-36 PLUG TRACK, 23 LB-38 PLUG TRACK, 25 LB-40 PLUG TRACK, 27 LB-42 PLUG TRACK, 29 LA:11 PLUG TRACK, 31 LA:13 PLUG TRACK, 33 SPARE, 35 SPARE, 37 SPARE, 39 SPARE, 41 SPARE, 43 SPARE, 45 SPARE, 47 SPARE.

COMMENTS: 1. ALL ZONES SHALL BE CONTROLLED BY BUILDING MANAGEMENT SYSTEM.

NOTE: VERIFY THE ELECTRICAL REQUIREMENTS FOR THE MECHANICAL EQUIPMENT WITH THE MECHANICAL REVIEW. UPDATE ELECTRICAL INFORMATION AS REQUIRED.

NOTE: REFER TO T-JX SPECIFICATIONS AND SINGLE LINE DIAGRAM FOR ALL "BMS" BUILDING MANAGEMENT SYSTEM EQUIPMENT AND INSTALLATIONS. COMPLETE "BMS" SYSTEM TO BE FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR, UNLESS OTHERWISE NOTED ON ELECTRICAL PLANS. FIELD VERIFY AND COORDINATE ALL WORK WITH T-JX PROJECT CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH ALL RELATED WORK.

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Table with 3 columns: NO., DESCRIPTION, DATE. Rows include: 0 FOR PERMIT 12.06.24, 1 T-JX REVIEW COMMENTS 02.24.25, 2 T-JX REVIEW COMMENTS 03.18.25.

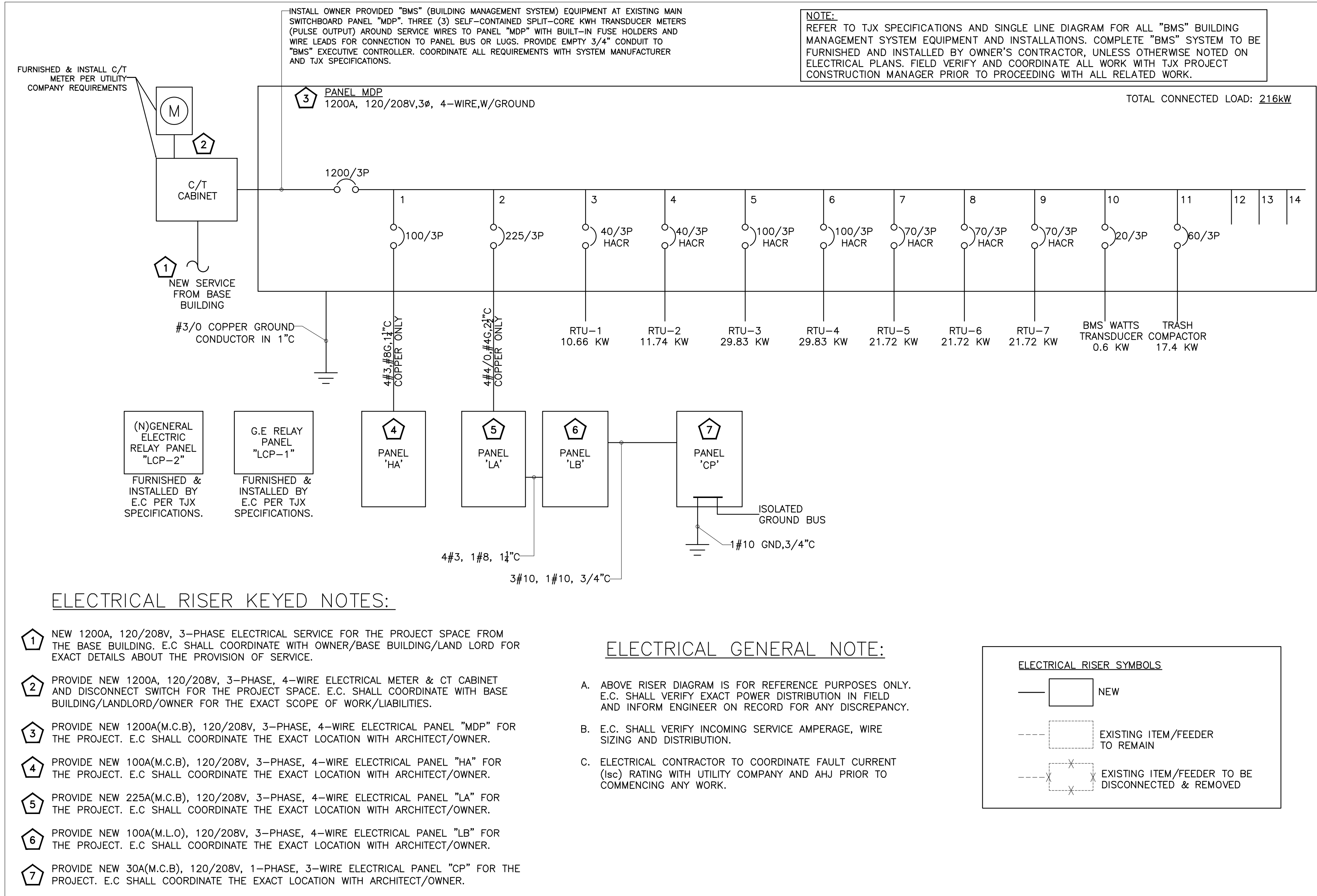
HomeGoods

PANEL SCHEDULE

Table with 2 columns: Deal Type, Store Number, Date, Planned By, Criteria Set By, Checked By. Rows include: J0, J4, 11/19/24, NYE, NYE, NYE.

E4 Scale As indicated





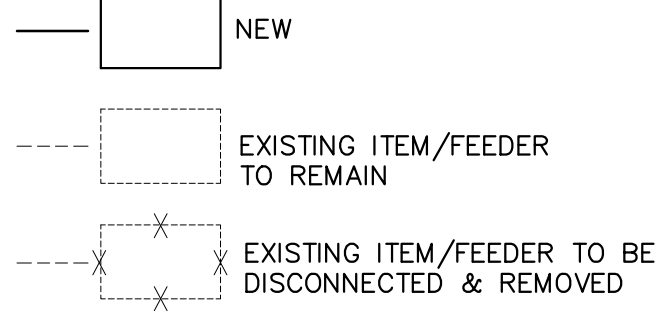
#### ELECTRICAL RISER KEYED NOTES:

- NEW 1200A, 120/208V, 3-PHASE ELECTRICAL SERVICE FOR THE PROJECT SPACE FROM THE BASE BUILDING. E.C. SHALL COORDINATE WITH OWNER/BASE BUILDING/LAND LORD FOR EXACT DETAILS ABOUT THE PROVISION OF SERVICE.
- PROVIDE NEW 1200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL METER & CT CABINET AND DISCONNECT SWITCH FOR THE PROJECT SPACE. E.C. SHALL COORDINATE WITH BASE BUILDING/LANDLORD/OWNER FOR THE EXACT SCOPE OF WORK/LIABILITIES.
- PROVIDE NEW 1200A(M.C.B.), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "MDP" FOR THE PROJECT. E.C. SHALL COORDINATE THE EXACT LOCATION WITH ARCHITECT/OWNER.
- PROVIDE NEW 100A(M.C.B.), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "HA" FOR THE PROJECT. E.C. SHALL COORDINATE THE EXACT LOCATION WITH ARCHITECT/OWNER.
- PROVIDE NEW 225A(M.C.B.), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "LA" FOR THE PROJECT. E.C. SHALL COORDINATE THE EXACT LOCATION WITH ARCHITECT/OWNER.
- PROVIDE NEW 100A(M.C.B.), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "LB" FOR THE PROJECT. E.C. SHALL COORDINATE THE EXACT LOCATION WITH ARCHITECT/OWNER.
- PROVIDE NEW 300A(M.C.B.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "CP" FOR THE PROJECT. E.C. SHALL COORDINATE THE EXACT LOCATION WITH ARCHITECT/OWNER.

#### ELECTRICAL GENERAL NOTE:

- ABOVE RISER DIAGRAM IS FOR REFERENCE PURPOSES ONLY. E.C. SHALL VERIFY EXACT POWER DISTRIBUTION IN FIELD AND INFORM ENGINEER ON RECORD FOR ANY DISCREPANCY.
- E.C. SHALL VERIFY INCOMING SERVICE AMPERAGE, WIRE SIZING AND DISTRIBUTION.
- ELECTRICAL CONTRACTOR TO COORDINATE FAULT CURRENT (Isc) RATING WITH UTILITY COMPANY AND AHI PRIOR TO COMMENCING ANY WORK.

#### ELECTRICAL RISER SYMBOLS



#### ELECTRICAL REQUIREMENTS:

THE WORK INCLUDES PROVIDING NEW MATERIALS, FIXTURES, DEVICES AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM. THE WORK ALSO INCLUDES FINAL CONNECTIONS TO MECHANICAL EQUIPMENT ITEMS PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION, OR ORDINANCES AND SUBJECT TO INSPECTION.

THE WORK INCLUDES PROVIDING NEW MATERIALS, FIXTURES, DEVICES AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM. THE WORK ALSO INCLUDES FINAL CONNECTIONS TO MECHANICAL EQUIPMENT ITEMS PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION, OR ORDINANCES AND SUBJECT TO INSPECTION.

COORDINATE WITH WORK OF OTHER SECTIONS, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. VERIFY EXISTING CONDITIONS BEFORE BIDDING. REFER TO ARCHITECTURAL/EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION REGARDING EQUIPMENT AND CASEWORK, AND ELECTRICAL CONNECTIONS REQUIRED.

COMPLY WITH ALL LAWS APPLYING TO ELECTRICAL INSTALLATIONS IN EFFECT, AND WITH THE MOST RECENT EDITION OF THE ADOPTED ELECTRICAL CODE. ALL MATERIALS USED SHALL BE NEW AND SHALL CONFIRM TO THE STANDARDS ESTABLISHED BY UNDERWRITERS LABORATORIES INC.

VERIFY SIZE OF ELECTRICAL SYSTEM BREAKERS, CONDUIT ETC. FOR EQUIPMENT CONNECTIONS.

PANEL BOARDS SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, MEETING UL STANDARDS 50 AND 67 WITH UL LABEL.

ALL PANELBOARDS, SWITCHBOARDS, AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SELF ADHESIVE, COMMERCIAL LABEL CONFORMING TO NEC 110.16 AND ANSI Z535.4 AS MANUFACTURED BY IDEAL OR APPROVED EQUAL.

BREAKERS: THERMAL MAGNETIC TYPE, QUICK-MAKE, QUICK-BREAK, BOLT-IN TYPE OF SINGLE UNIT CONSTRUCTION. TWO AND THREE POLE BREAKERS SHALL BE SINGLE UNIT COMMON TRIP TYPE. BREAKERS USED AS SWITCHES FOR 120V LIGHTING CIRCUITS SHALL BE APPROVED FOR THAT USE AND MARKED "SWD". WHEN NEW BREAKERS ARE INSTALLED INTO EXISTING PANELS, NEW BREAKERS SHALL BE OF SAME MANUFACTURER AS EXISTING PANEL AND BE OF EQUAL OR GREATER AIC RATING AS EXISTING PANEL.

CABINETS SHALL BE ONE PIECE CODE GAGE GALVANIZED STEEL WITH MOUNTING STUDS, WIRING GUTTERS OF AMPLE SIZE AND KNOCKOUTS FOR CONDUIT CONNECTIONS AS REQUIRED. BUS BARS SHALL BE THW, THHN, THWW COPPER. BRANCH CIRCUIT WIRING SHALL BE TYPE TW COPPER. FRONTS SHALL BE ONE PIECE CODE GAGE FURNITURE STEEL WITH ADJUSTABLE FASTENERS. PROVIDE SURFACE MOUNT UNITS UNLESS OTHERWISE INDICATED. PROVIDE PLASTIC COVERED TYPEWRITTEN SCHEDULE IDENTIFYING ALL BRANCH CIRCUITS INSIDE EACH CABINET.

PROVIDE DRY-TYPE ENERGY EFFICIENT TRANSFORMER WHICH SHALL BE NEMA TP-1 TYPE, ENCLOSED AND VENTILATED WITH KVA AND VOLTAGE RATINGS AS CALLED FOR ON THE DRAWINGS, WITH (150) DEGREE CLASS "H" INSULATION AND MINIMUM OF SIX 2-1/2" TAPS. SOUND LEVEL SHALL BE LOW AND INSTALLATION SHALL INCLUDE KOFUND OR EQUAL VIBRATION DAMPENING MOUNTS AND FLEXIBLE STEEL CONDUIT FOR PRIMARY AND SECONDARY CONNECTIONS TO MINIMIZE SOUND TRANSMISSION.

GROUNDING SYSTEM: PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, CABINETS, PANEL BOARDS AND SYSTEM NEUTRAL CONDUCTORS. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING. WHERE GROUNDING CONDUCTORS ARE ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF TYPE WHICH GROUNDS BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE METAL CONDUIT (6"-0" MAXIMUM LENGTH) SHALL INCLUDE A GROUND WIRE SIZED IN ACCORDANCE WITH NEC TABLE 250-95.

SIZE CONDUIT TO COMPLY WITH ELECTRICAL CODE FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED, MINIMUM 1/2" ABOVE GRADE. ALL CONDUIT INSTALLED HORIZONTALLY ABOVE CEILING SHALL BE SUPPORTED FROM BUILDING STRUCTURE. NO CONDUIT SHALL BE SUPPORTS FROM CEILING GRID OR GRID WIRES. PROVIDE RIGID STEEL CONDUIT OR PVC BELOW GRADE, MINIMUM 3/4". PROVIDE ELECTRICAL METAL TUBING (EMT) 3/4". PROVIDE ELECTRICAL METAL TUBING (EMT) OR "MC" CABLE FOR INTERIOR LOCATIONS. INTERIOR CONNECTORS AND COUPLINGS SHALL BE SET-SCREW TYPE. CLAMP CONDUIT TO BOXES WITH BUSHING INSIDE AND LOCKNUT OUTSIDE. FLEXIBLE METAL CONDUIT MAY BE USED IN LENGTHS 6' OR LESS.

CONDUCTORS: INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODING, B AND S GAGE, #10 AND SMALLER TO BE SOLID, #8 AND LARGER TO BE STRANDED, MINIMUM #12 UNLESS OTHERWISE INDICATED.

CONCEAL WIRING SYSTEM ABOVE SUSPENDED CEILINGS OR IN WALL WHERE POSSIBLE. INSTALL CONDUIT AND MC CABLE PARALLEL TO BUILDING LINES, AND TO CLEAR ALL OPENING, DEPRESSIONS, PIPES, DUCTS, STRUCTURE, ETC. SUPPORT PER NEC.

INSTALL CONDUIT CONTINUOUS BETWEEN BOXES AND CABINETS WITH NO MORE THAN FOUR (4) 90 DEGREE BENDS. SECURELY FASTEN IN PLACE WITH STRAPS, HANGERS AND STEEL SUPPORTS AS REQUIRED. REAM CONDUIT ENDS BEFORE INSTALLATION AND THOROUGHLY CLEAN BEFORE INSTALLATION. OPENINGS SHALL BE PLUGGED OR COVERED TO KEEP CONDUIT CLEAN. TERMINALS ON SWITCHES AND OUTLETS SHALL NOT BE USED TO "FEED THRU" TO THE NEXT SWITCH OR OUTLET. THE DISCONNECTION OR REMOVAL OF A RECEPTACLE, FIXTURE, OR OTHER DEVICE FED FROM A BOX SHALL NOT INTERFERE WITH OR INTERRUPT THE CONDUCTOR CONTINUITY.

ADJUSTING AND TESTING: ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION. COMPLETED WIRING SYSTEM SHALL BE FREE FROM SHORT CIRCUITS.

TOUCHUP AND CLEANING: TOUCHUP OR REFINISH DAMAGED SURFACES OF FIXTURES AND EQUIPMENT EXPOSED TO VIEW. CLEAN FIXTURES, GLASSWARE AND LAMPS BY APPROVED METHODS, READY FOR USE.

ALL BUSSING SHALL BE COPPER.

LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE SIZE IF VOLTAGE DROP EXCEEDS 3% OR CIRCUIT LENGTH EXCEEDS 100 FEET.

DEVICES SHALL BE MANUFACTURED BY LEVITON OR EQUAL. ALL DEVICES SHALL BE WHITE COLOR WITH BRUSHED ALUMINUM COVER PLATES. STANDARD DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, 20A, NEMA WD-2 STANDARD 5-20R, BACK AND SIDE WIRED. ISOLATED GROUND RECEPTACLES SHALL BE LEVITON 5262-IG AND ORANGE IN COLOR. OTHER DEVICES SHALL BE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY THE EQUIPMENT ITEM INTENDED TO BE SERVED. WHERE SWITCHES ARE GROUPED, PROVIDE GANGPLATES. NO RESIDENTIAL GRADE DEVICES ALLOWED.



#### COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

##### Project Information

Energy Code:

Project Title:

Project Type:

Construction Site:

Owner/Agent:

Designer/Contractor:

##### Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts
1-Retail	24828	0.84	20856
Total Allowed Watts = 20856			

##### Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Retail (24828 sq.ft.)				
LED: A: 2 X 4 RECESSED LE: Other:	1	32	37	1184
LED: A6: TRACK LIGHT: Other:	1	57	41	2337
LED: D: 2 X 4 RECESSED LED: Other:	1	4	37	148
LED: F3: SURFACE MOUNTED LED: Other:	1	1	53	53
LED: F4: SURFACE MOUNTED LED: Other:	1	2	27	54
LED: G3: PENDANT LED: Other:	1	23	53	1229
LED: G4: PENDANT LED: Other:	1	4	27	108
LED: TL4: TRACK LED: Other:	1	74	15	1110
LED: W: 2 X 2 RECESSED LED: Other:	1	111	97	10767
LED: Y: 2 X 2 RECESSED LED: Other:	1	4	97	388
LED: B: DOCK LIGHT: Other:	1	1	18	18
Total Proposed Watts = 17394				

##### Interior Lighting PASSES

##### Interior Lighting Compliance

##### Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MICHAEL TOBIAS

Name - Title

Signature

Date

11/18/24

Project Title: HOMEGOODS

Report date: 11/18/24

Page 1 of 6

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NO.	DESCRIPTION	DATE
0	FOR PERMIT	12.06.24
1	TJX REVIEW COMMENTS	02.24.25
2	TJX REVIEW COMMENTS	03.18.25

HomeGoods

#### ONE LINE DIG. & ENERGY ANALYSIS SHEET

Deal Type \_\_\_\_\_ JO  
Store Number \_\_\_\_\_ J4  
Date \_\_\_\_\_ 11/19/24  
Planned By \_\_\_\_\_ NYE  
Criteria Set By \_\_\_\_\_ NYE  
Checked By \_\_\_\_\_ NYE

E4.1

Scale \_\_\_\_\_ As indicated



1. GENERAL CONTRACTOR
  - A. PROVIDE AND INSTALL A 4'X8' PLYWOOD BACKBOARD IN THE ELECTRIC ROOM FOR BMS VENDOR TO MOUNT THEIR EQUIPMENT. PHONE AND ETHERNET JACKS FOR THE BMS CONTROLLER WILL ALSO BE LOCATED ON THIS BOARD BY A SEPARATE TJX VENDOR.
2. ELECTRICAL CONTRACTOR
  - A. COORDINATE MOUNTING A 2X4 J-BOX WITH CONDUIT (WIREMOLD IF EXPOSED IN FINISHED AREAS) AT THE LOCATIONS DESIGNATED ON THE BMS CONTROLS SITE SPECIFIC PLANS. THE J-BOXES ARE TO BE MOUNTED AT 60" A.F.F., EXCEPT IN FITTING ROOM LOCATIONS WHERE THE J-BOXES ARE TO BE MOUNTED AT 84" A.F.F.. ON THE SALES FLOOR, THE J-BOXES ARE TO BE MOUNTED ON BACK SIDE OF THE COLUMNS WHEN VIEWED FROM FRONT OF STORE.
  - B. PROVIDE AND INSTALL A PERMANENT STRANDED 18/8 AWG NON SHIELDED CABLE TO EACH SENSOR LOCATION. COORDINATE WITH THE BMS INSTALLER.
  - C. THERMOSTATS ARE TO BE INSTALLED AT THE SENSOR LOCATIONS AND THE ROOFTOP UNITS STARTED.
  - D. HVAC EQUIPMENT ARE TO HAVE HAD A MANUFACTURER'S STARTUP PROCEDURE PERFORMED AND BE OPERATIONAL IN ALL MODES BEFORE THE ARRIVAL OF THE BMS CONTROLS REPRESENTATIVE FOR THE FINAL INSTALLATION.
  - E. PROVIDE AND INSTALL A THREE PHASE CIRCUIT BREAKER (20 AMPS) FOR THE PHASE MONITOR. THIS BREAKER MAY BE INSTALLED IN A LIGHTING DISTRIBUTION PANEL IF THE PANEL IS OF THE SAME VOLTAGE AS THE MAIN DISTRIBUTION PANEL.
  - F. INSTALL THE BMS PROVIDED CURRENT TRANSFORMERS (CTS).
  - G. CONNECT ALL CT WIRING TO THE PHASE MONITOR.
  - H. MOUNT AND POWER THE PHASE MONITOR.
  - I. PROVIDE AND INSTALL BMS#1 (20 AMP, 1 POLE BREAKER), BMS#2 (20 AMP, 1 POLE BREAKER), AND BMS #3 (20 AMP, 1 POLE BREAKER) POWER SUPPLY. THESE BREAKERS MUST ORIGINATE FROM THE SAME PHASE.
  - J. THE INSTALLATION, PROGRAMMING, AND LABELING OF THE GE SOFTWARE PANEL IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

a) NIGHT LIGHTING: ARE TO BE ON 24 HOURS A DAY AND ONLY IN THE SALES AREA.

a) THE CIRCUIT FOR NIGHT LIGHTING IS NOT TO BE CONNECTED TO THE GE RELAY PANEL, OR EMERGENCY LIGHTING. THE NL SHOULD BE ONLY (1) CIRCUIT IN MOST SITUATIONS.

b) NIGHT LIGHTING "RULE OF THUMB" IS (1) NIGHT LIGHT FOR EVERY 3,500 SQUARE FEET OF SALES AREA (ROUND UP), AND SHOULD BE EVENLY DISTRIBUTED. (REFER TO TUX CRITERIA PLAN SHEET (C5) FOR EXACT QUANTITIES & LOCATIONS).

2. EMERGENCY LIGHTING:

A) EMERGENCY LIGHTING IS TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND AT THE DIRECTION OF THE GOVERNING AUTHORITIES.

B) AT A MINIMUM, THE EMERGENCY LIGHTING IS TO BE AS FOLLOWS:

- i) ALL ROOMS AND SPACES ARE TO HAVE AT LEAST (1) EMERGENCY LIGHT.
- ii) THE SALES AREA IS TO HAVE (1) EMERGENCY LIGHT PER 2,000 SQUARE FEET OF FLOOR AREA, AND SHOULD BE EVENLY DISTRIBUTED THROUGHOUT THE SPACE. PATHS OF EGRESS SHOULD BE OF PRIMARY COVERAGE.
- iii) THE STOCK ROOM SHOULD HAVE A MINIMUM OF (4) EMERGENCY LIGHTS.
- C) THE EMERGENCY LIGHTING SYSTEM AND CIRCUITS ARE NOT TO BE CONNECTED TO THE GE RELAY PANEL, AND CIRCUITS ARE TO BE DEDICATED WITH BREAKER LOOKS INSTALLED AT THE PANEL.
- D) THE EMERGENCY LIGHTS ARE TO BE LITHONIA LIGHTING, MODEL ELM6L SELF CONTAINED BATTERY UNITS.

3. SECURITY LIGHTING:

A) EXTERIOR SECURITY LIGHTING INCLUDES EXTERIOR WALL LIGHT PACKS ATTACHED TO THE BUILDING AS NOTED ON THE PLANS. THESE ARE GENERALLY MOUNTED ABOVE ALL EGRESS DOORS FROM THE STORE.

B) THE CIRCUITING FOR THIS IS THROUGH THE GE RELAY PANEL.

C) NOVAR WILL CONTROL THIS LIGHTING BY A SEPARATE CHANNEL IN THE RELAY PANEL. THIS LIGHTING IS OVERRIDDEN BY A LIGHT SENSOR SUPPLIED AND INSTALLED BY NOVAR.

4. SIGNS AND CANOPY LIGHTS:

A) THIS INCLUDES THE BUILDING, MALL, LIGHTED UNDER CANOPY, ETC. SIGNS AS WELL AS ANY CANOPY LIGHTS (IF NOT BEING CONTROLLED BY THE LANDLORD'S HOUSE PANEL).

B) THESE CIRCUITS ARE TO BE RUN THROUGH THE GE RELAY PANEL.

C) NOVAR WILL CONTROL THESE CIRCUITS BY A SEPARATE CHANNEL IN THE RELAY PANEL.

5. CUSTOMER LIGHTING:

A) SALES AREA:

- i) ONE HALF OF THE SALES AREA CEILING LIGHTS (ALTERNATE ROWS).
- ii) ALL PERIMETER LIGHTING.
- iii) ALL PENDANT LIGHTING.
- iv) JEWELRY COUNTER LIGHTING.
- v) LAUND DEPARTMENT PLUGMOLD (ON WALLS AND FLOOR GONDOLAS).
- vi) FLOOR OUTLETS FOR LAMP DEPARTMENT.
- vii) CEILING MOUNTED CHANDLIER FIXTURE OUTLETS.
- viii) ANY SPECIALTY LIGHTING (I.E. WALL SCONES, ETC.).

B) OFF SALES AREA:

- i) PENDANT LIGHTS IN THE FITTING ROOM.
- ii) LIGHTED MIRRORS IN THE FITTING ROOM.

C) THESE CIRCUITS ARE TO BE RUN THROUGH THE GE RELAY PANEL.

6. EMPLOYEE LIGHTING:

A) EMPLOYEE LIGHTING IS TO INCLUDE ALL (EXCEPT AS EXCLUDED BELOW) INTERIOR STORE LIGHTING AND BE RUN THROUGH THE GE RELAY PANEL. THE SALES AREA CEILING LIGHTS IS TO BE ALTERNATE ROWS.

B) ITEMS NOT INCLUDED IN "EMPLOYEE LIGHTING" ARE NIGHT LIGHTING, EMERGENCY LIGHTING, EXIT LIGHTING ROOM LIGHTING, "SECURITY LIGHTING", "SIGNS AND CANOPY LIGHTS", AND "CUSTOMER LIGHTING" AS DESCRIBED ABOVE.

C) EMPLOYEE LIGHTING IS TO INCLUDE ALL EXHAUST FANS EXCEPT THE ELECTRICAL ROOM EXHAUST FAN THAT IS TO BE CONTROLLED BY A STAND-ALONE LINE VOLTAGE THERMOSTAT (SET AT 80° F). THESE CIRCUITS ARE TO BE RUN THROUGH THE GE RELAY PANEL.

7. E.G. SOFTWARE RELAY PANEL PROGRAMMING:

A) SOFTWARE LIGHTING GROUPS

- i) THE SCM SHALL ALLOW ANY GROUP OF RELAYS WITHIN THE PANEL TO BE ASSOCIATED ("SOFTWARED") TO THE FOLLOWING PROCEDURE:

  - a) PRESS AND HOLD THE CHANNEL PUSH BUTTON FOR SEVERAL SECONDS. THE CHANNEL LED AND THE CURRENTLY CONTROLLED BY THAT INPUT WILL BEGIN TO FLASH.
  - b) SELECT THE RELAYS TO BE CONTROLLED. THE LED FOR EACH RELAY "SOFTWARED" TO THE CHANNEL SELECTED WILL BE FLASHING ON/OFF. PRESS THE ASSOCIATED RELAY CONTROL BUTTON TO ADD/DELETE TO/FROM GROUP.
  - c) PRESS THE CHANNEL PUSH BUTTON AGAIN. THE LED'S WILL STOP FLASHING AND THE CHANNEL PUSH ASSOCIATED SWITCH INPUTS WILL NOW CONTROL THE RELAYS SELECTED.

- ii) TURNING A CHANNEL ON/OFF WILL SEQUENCE ALL OF THE RELAYS WITHIN THAT GROUP ON/OFF INDIVIDUALLY.

B) CONTROLLING A SOFTWARE GROUP

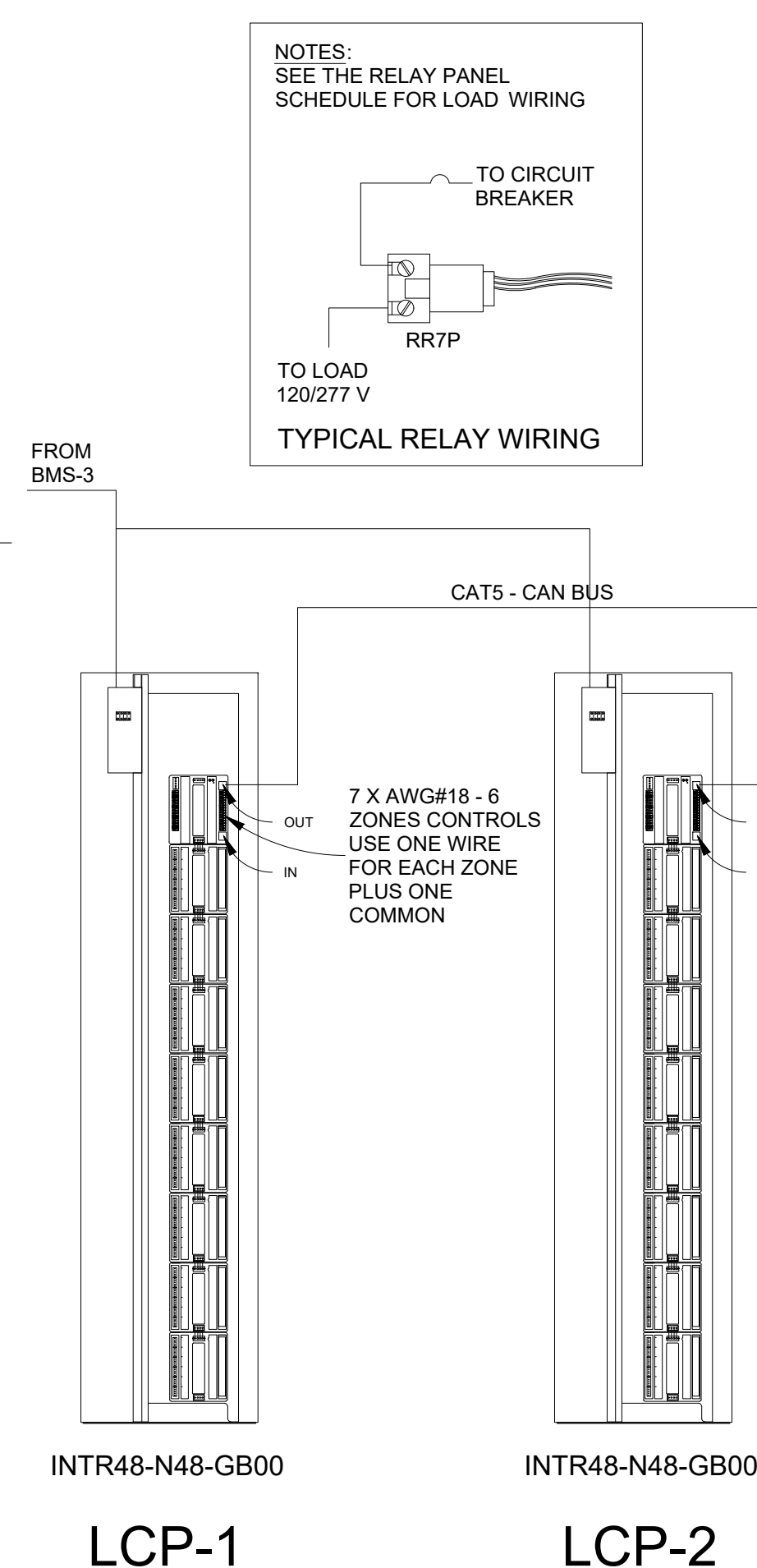
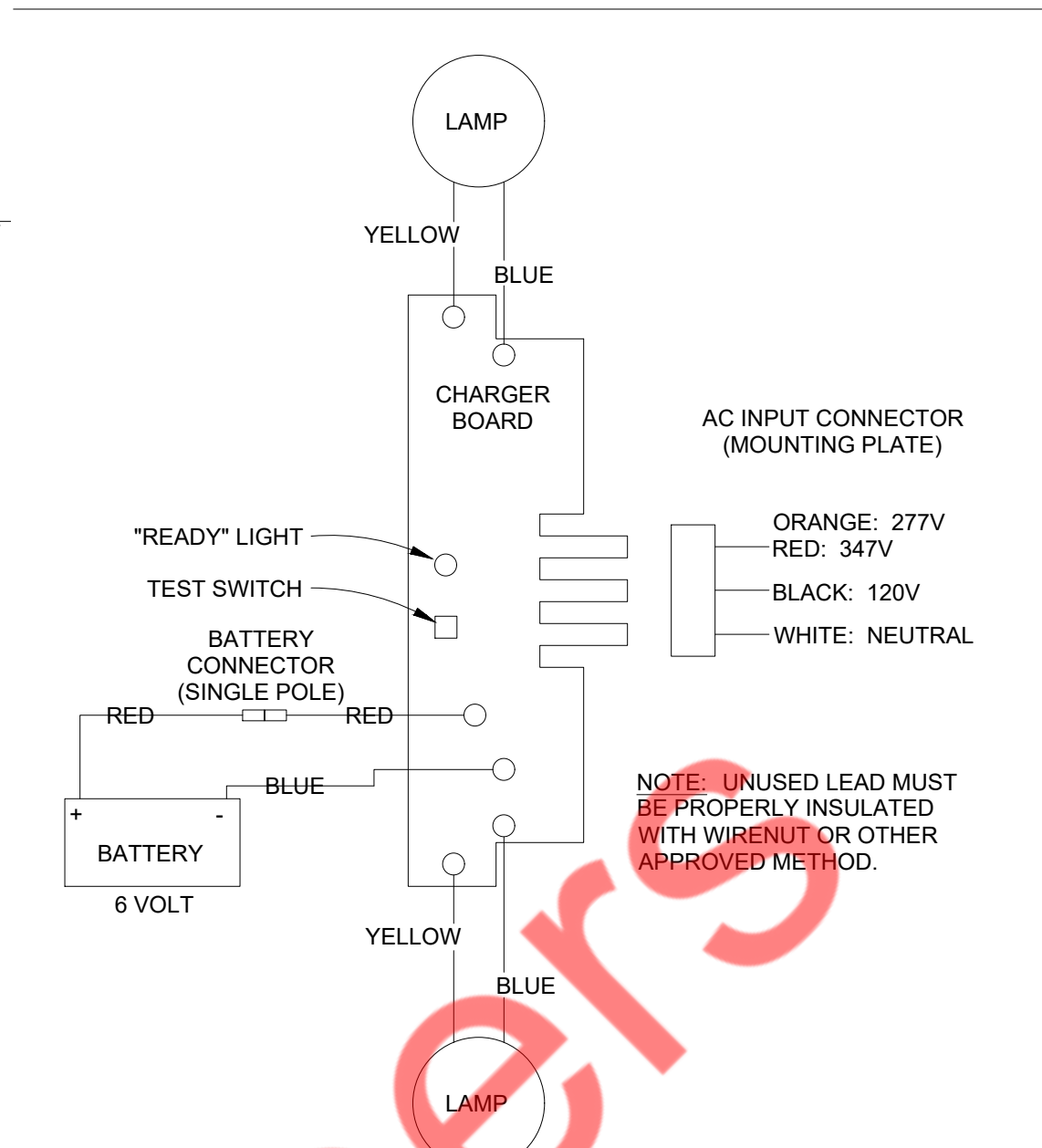
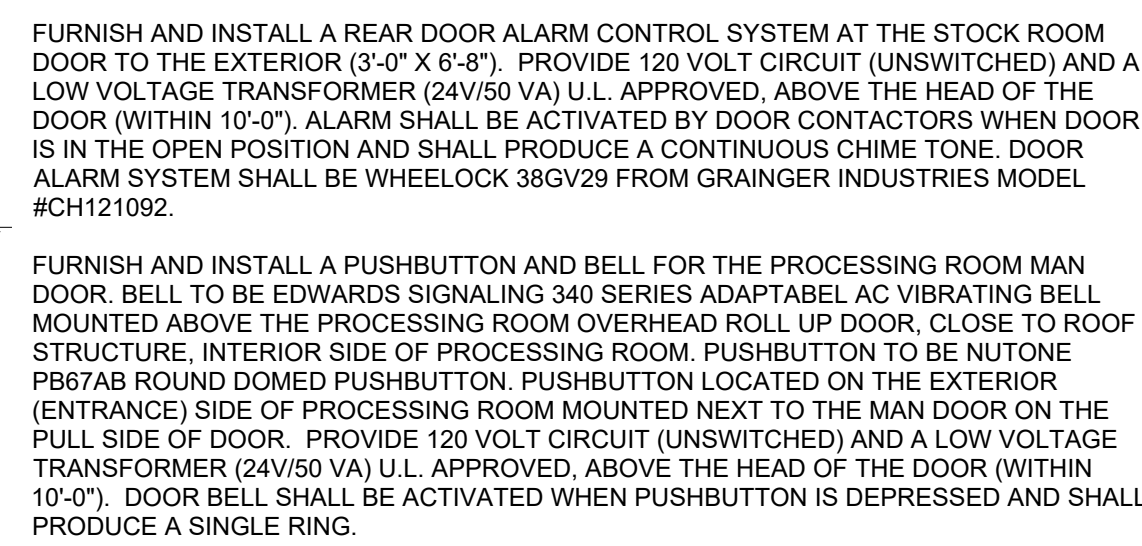
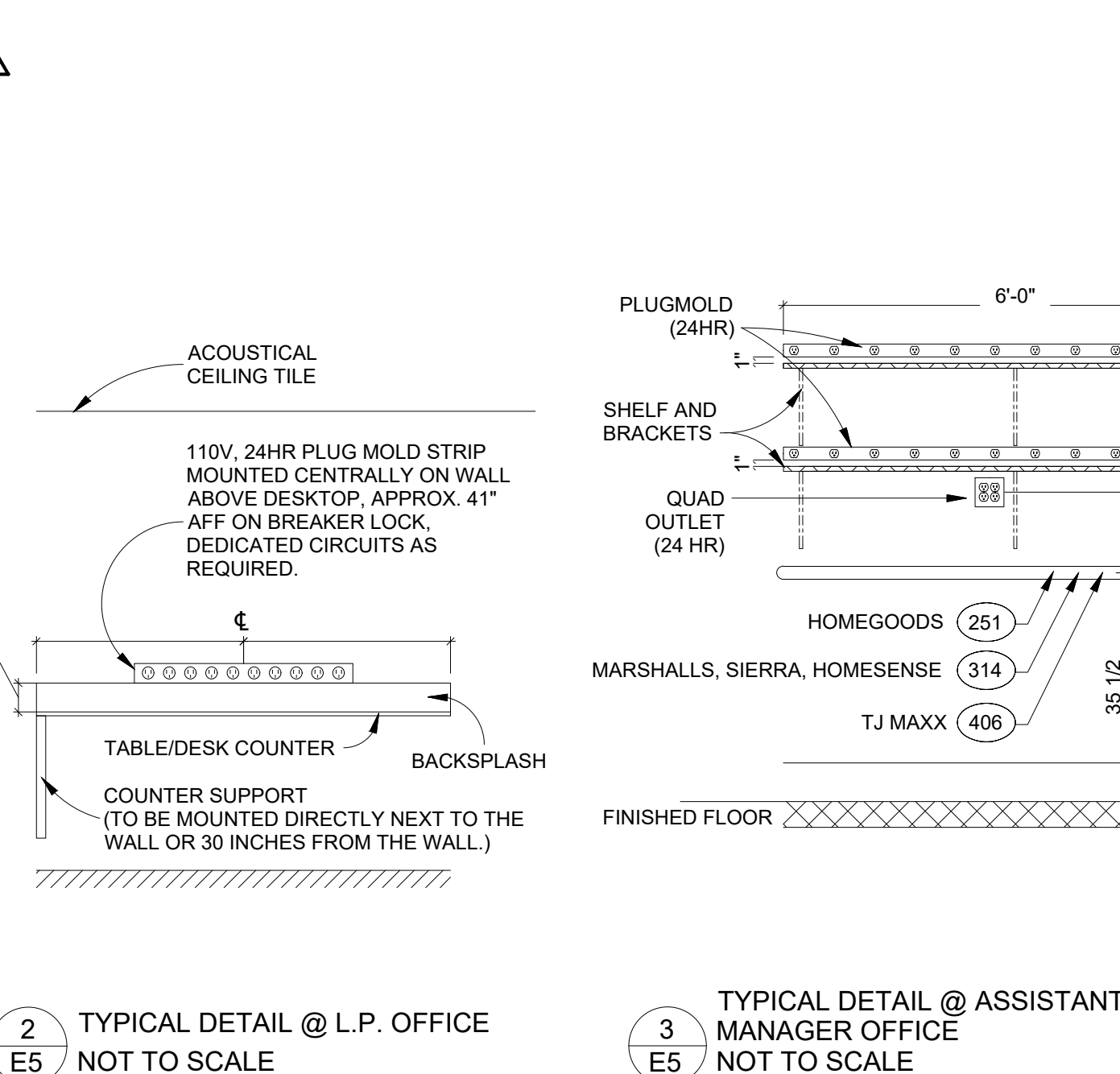
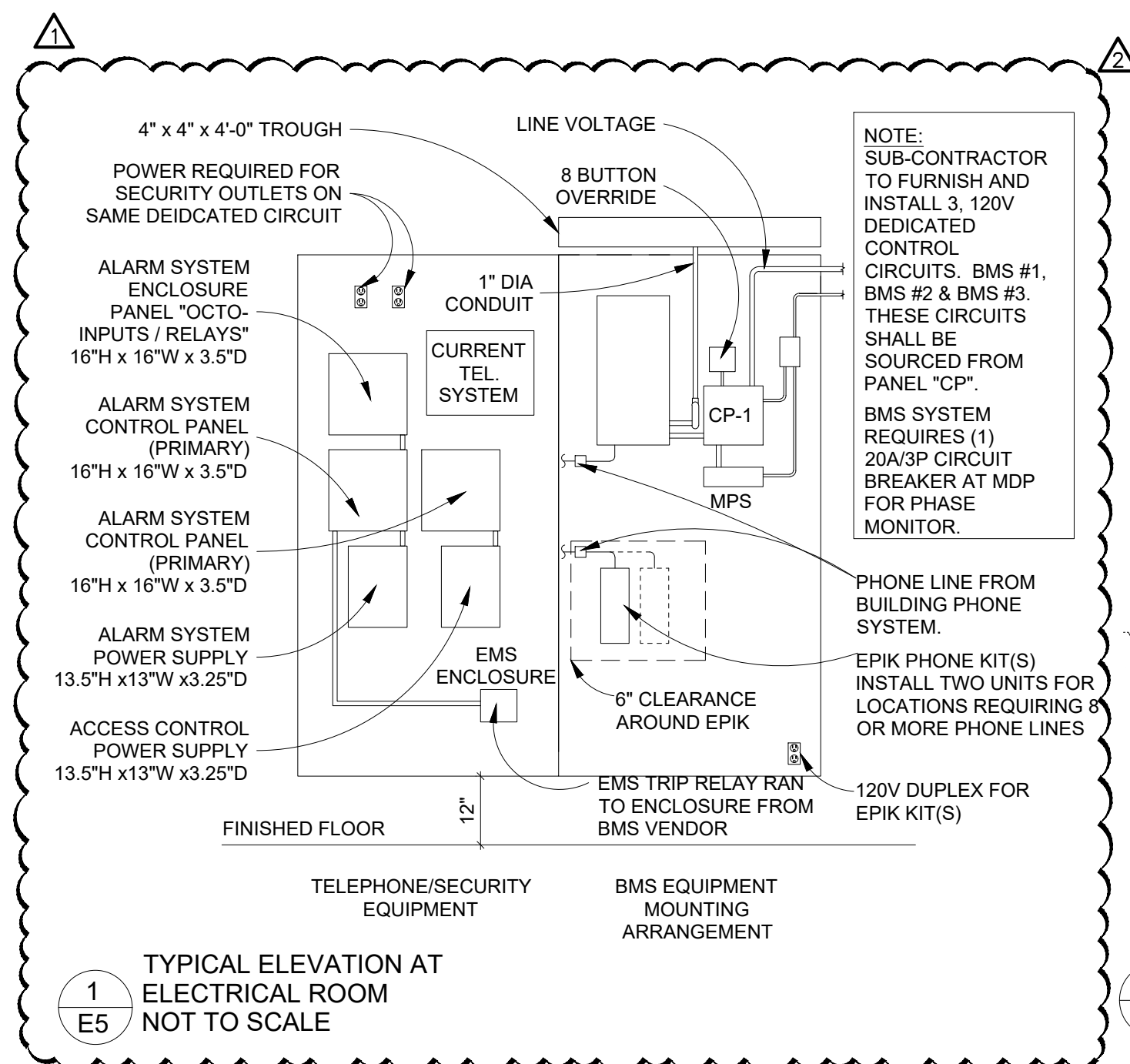
- i) EACH CHANNEL SHALL HAVE AN ASSOCIATED PUSH-BUTTON WITHIN THE PANEL TO TOGGLE THE CHANNEL ON/OFF.
- ii) EACH CHANNEL SHALL ALSO HAVE TWO SEPARATE SWITCH OR DRY CONTACT INPUTS THAT WILL ALLOW TOGGLE REMOTELY.
- iii) THE CHANNEL SHALL RESPOND TO THE LAST INPUT.
- iv) THE UNIT SHALL ALLOW A "MASTER CHANNEL" TO BE CONFIGURED TO CONTROL SEVERAL OF THE ABOVE CHANNELS. SIMPLY INCLUDING ALL OF THE RELAYS OF THESE "SUB CHANNELS" WITHIN THE MASTER.

C) GROUP STATUS

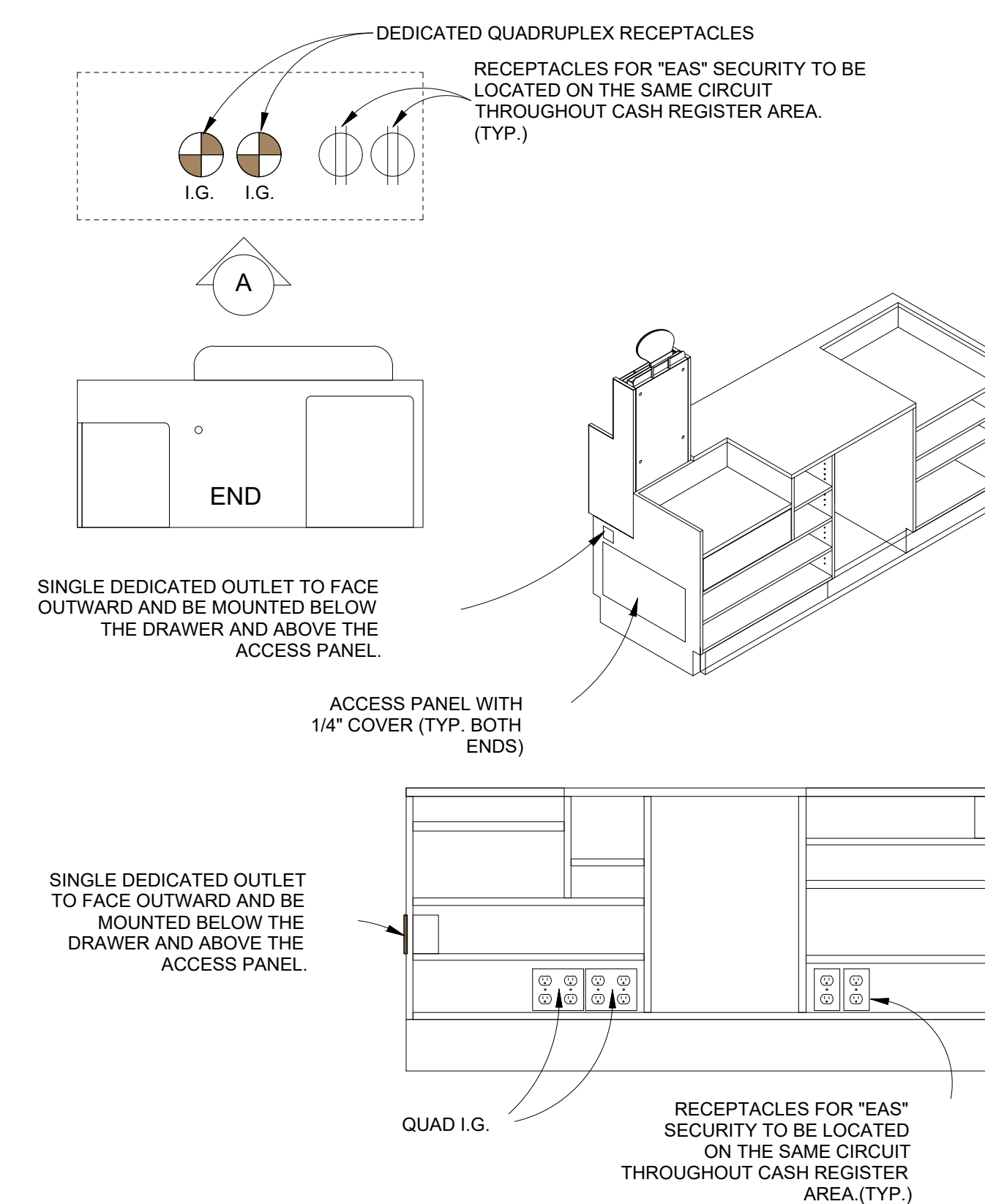
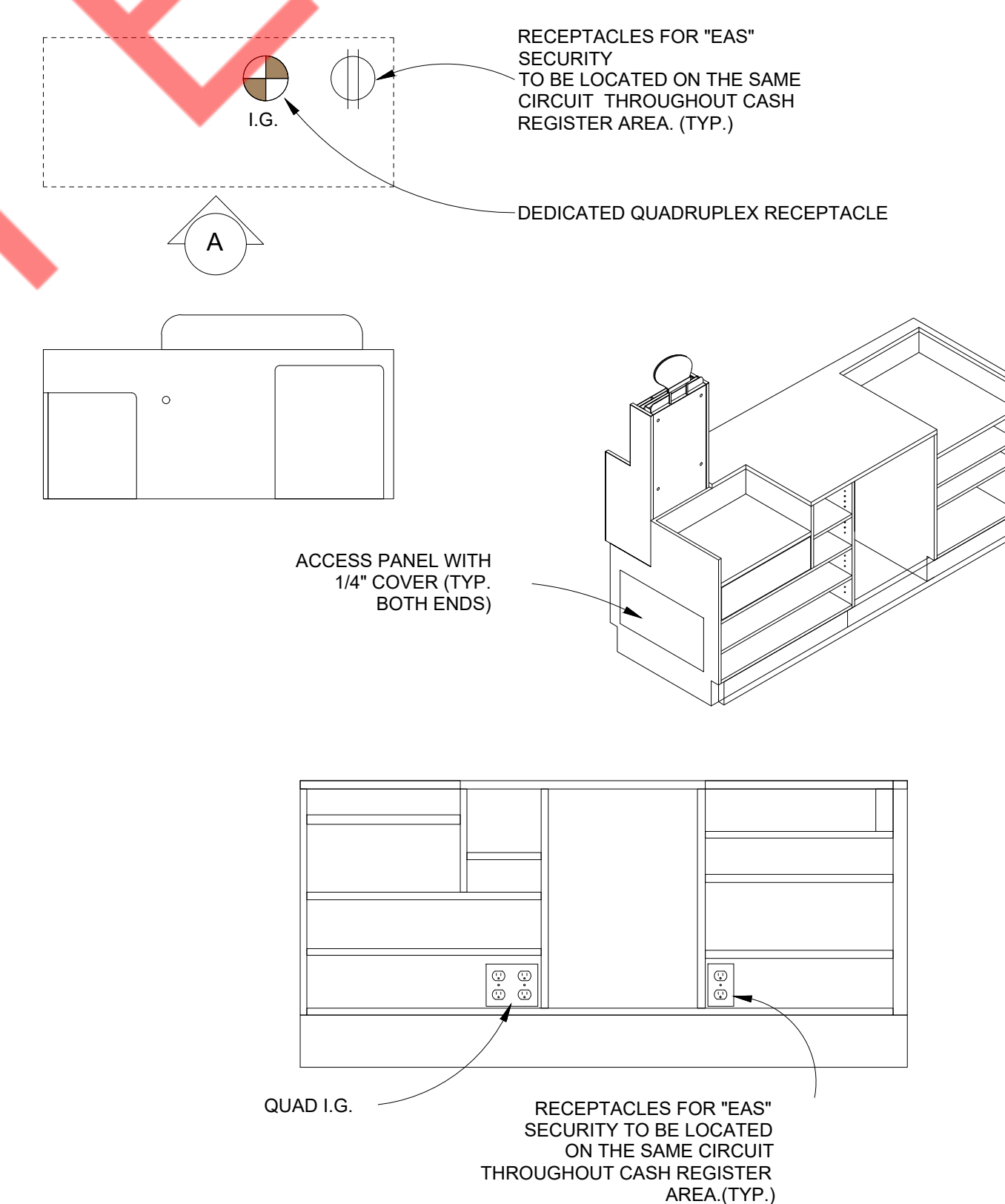
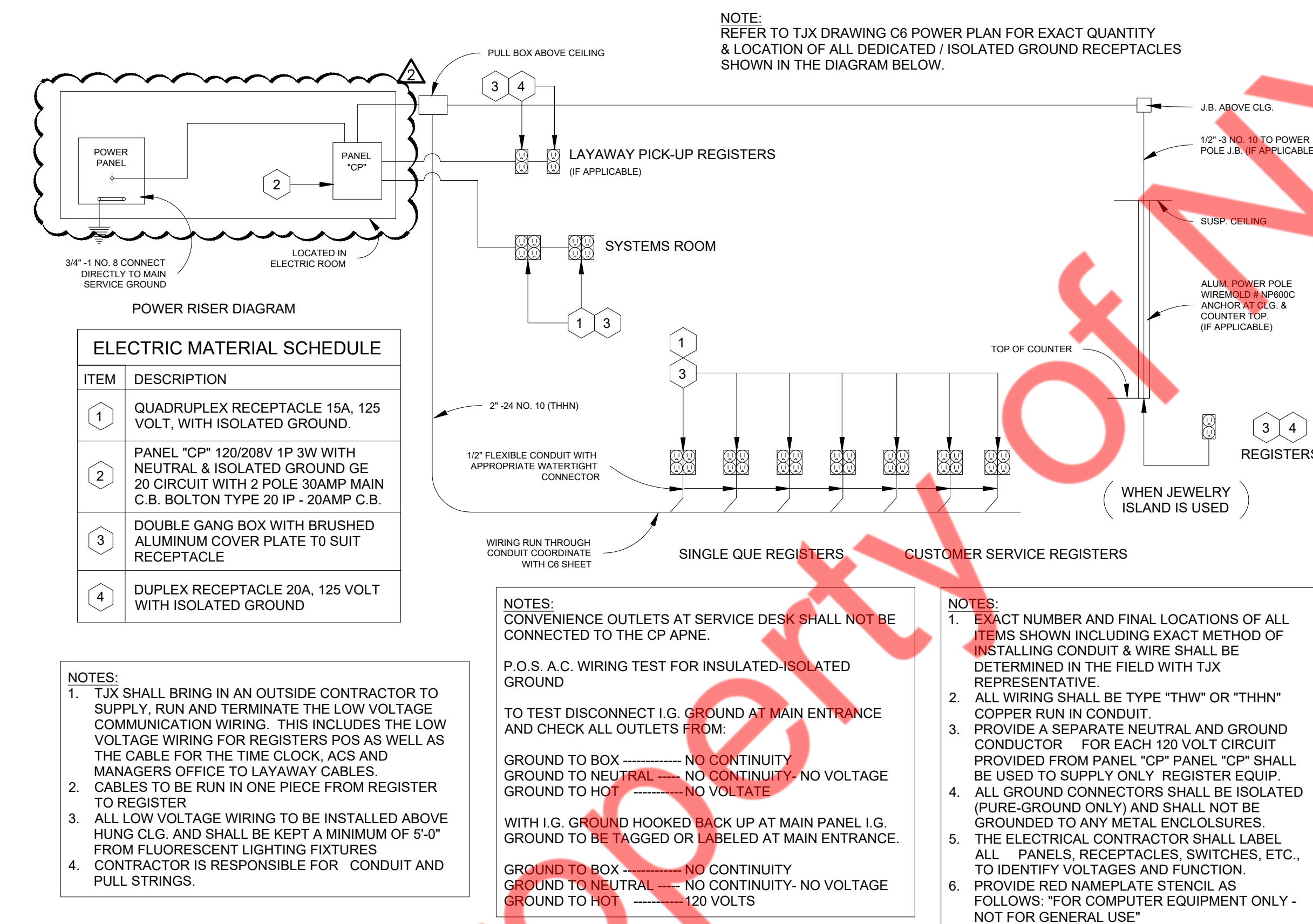
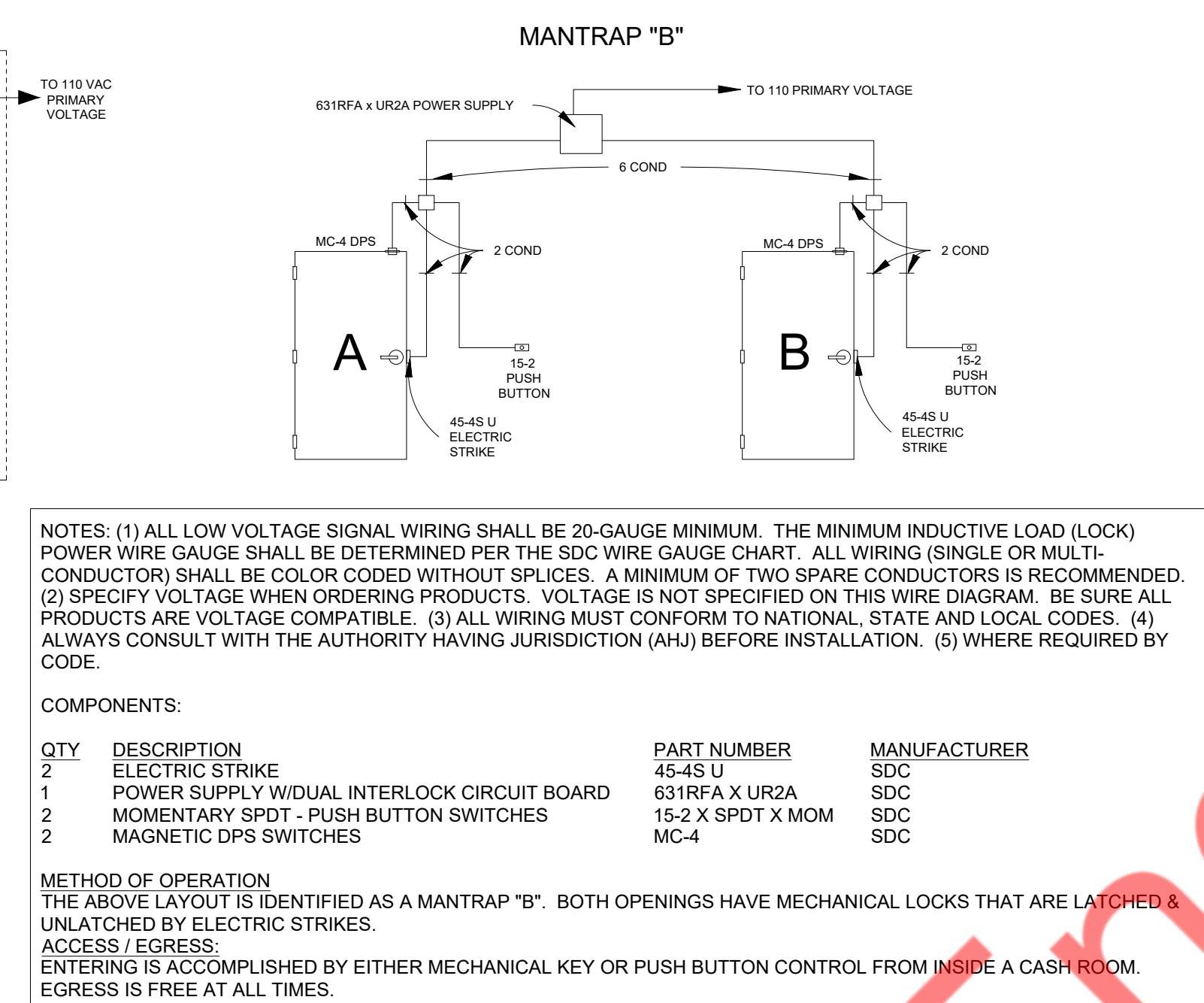
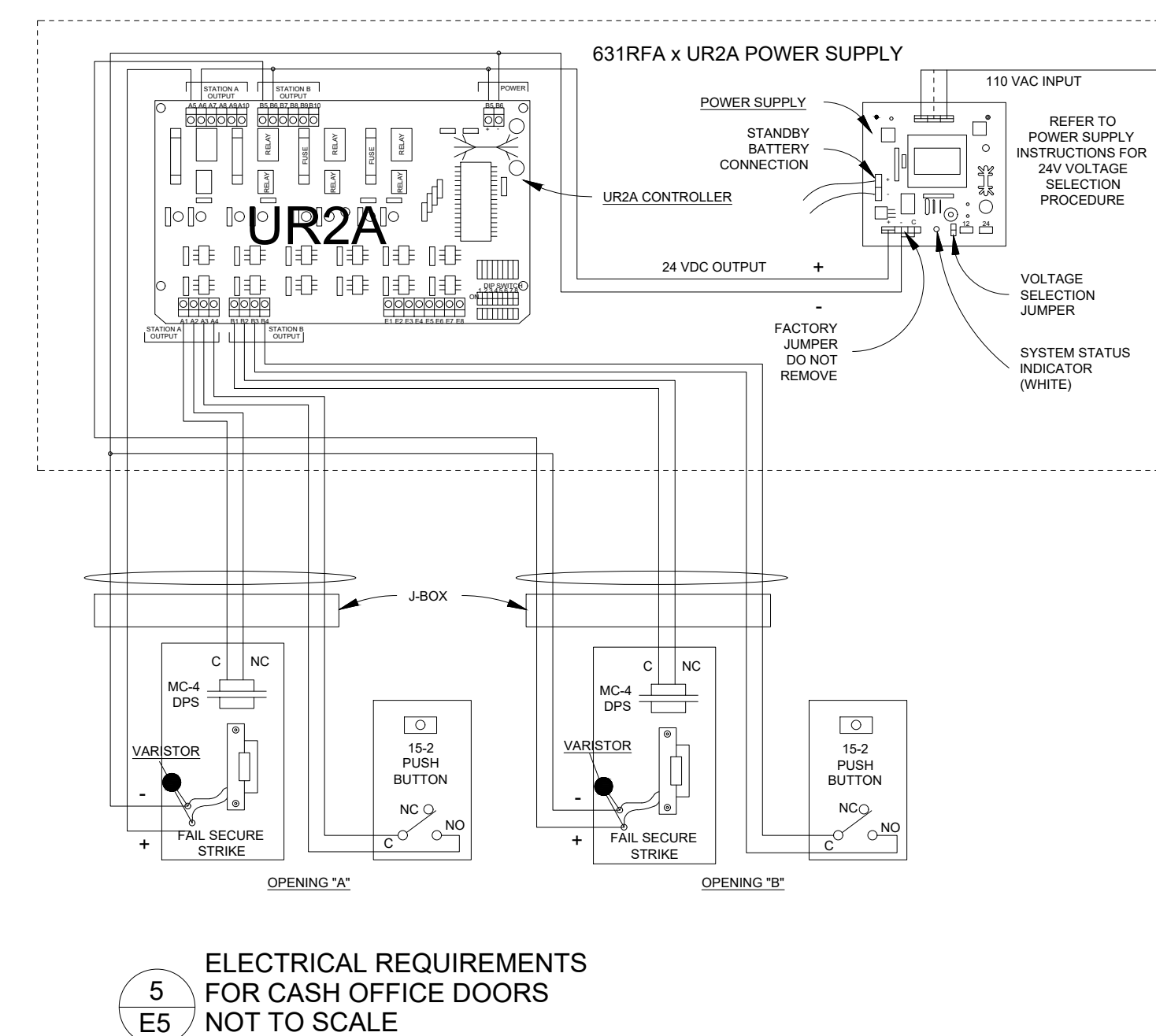
- i) EACH CHANNEL PUSH-BUTTON SHALL INCLUDE A LED STATUS INDICATION. THE LED WILL BE ON WHEN RELAYS WITHIN THE CHANNEL GROUP ARE ON; AND SHALL GO OFF WHEN ALL OF THE RELAYS WITHIN THE CHANNEL GROUP ARE OFF.
- ii) EACH CHANNEL SHALL ALSO HAVE AN ASSOCIATE DRY CONTACT CLOSURE OF PILOT CONTACT WHICH IS TO BE OPERATED DESCRIBED ABOVE.

D) CONTROLLING AN INDIVIDUAL RELAY

- i) EACH RELAY SHALL HAVE AN ASSOCIATED CONTROL BUTTON WITH LED STATUS INDICATION MOUNTED ON THE VOLTAGE SECTION OF THE PANEL.





6 ELECTRICAL REQUIREMENTS  
E5 FOR CASH OFFICE DOORS  
NOT TO SCALE



P.O.S. CASH REGISTER 120 VOLT WIRING

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NO.	DESCRIPTION	DATE
0	FOR PERMIT	12.06.24
1	TJX REVIEW COMMENTS 	02.24.25
2	TJX REVIEW COMMENTS 	03.18.25

HomeGoods

## ELECTRICAL DETAILS

Deal Type	30
Store Number	J4
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE

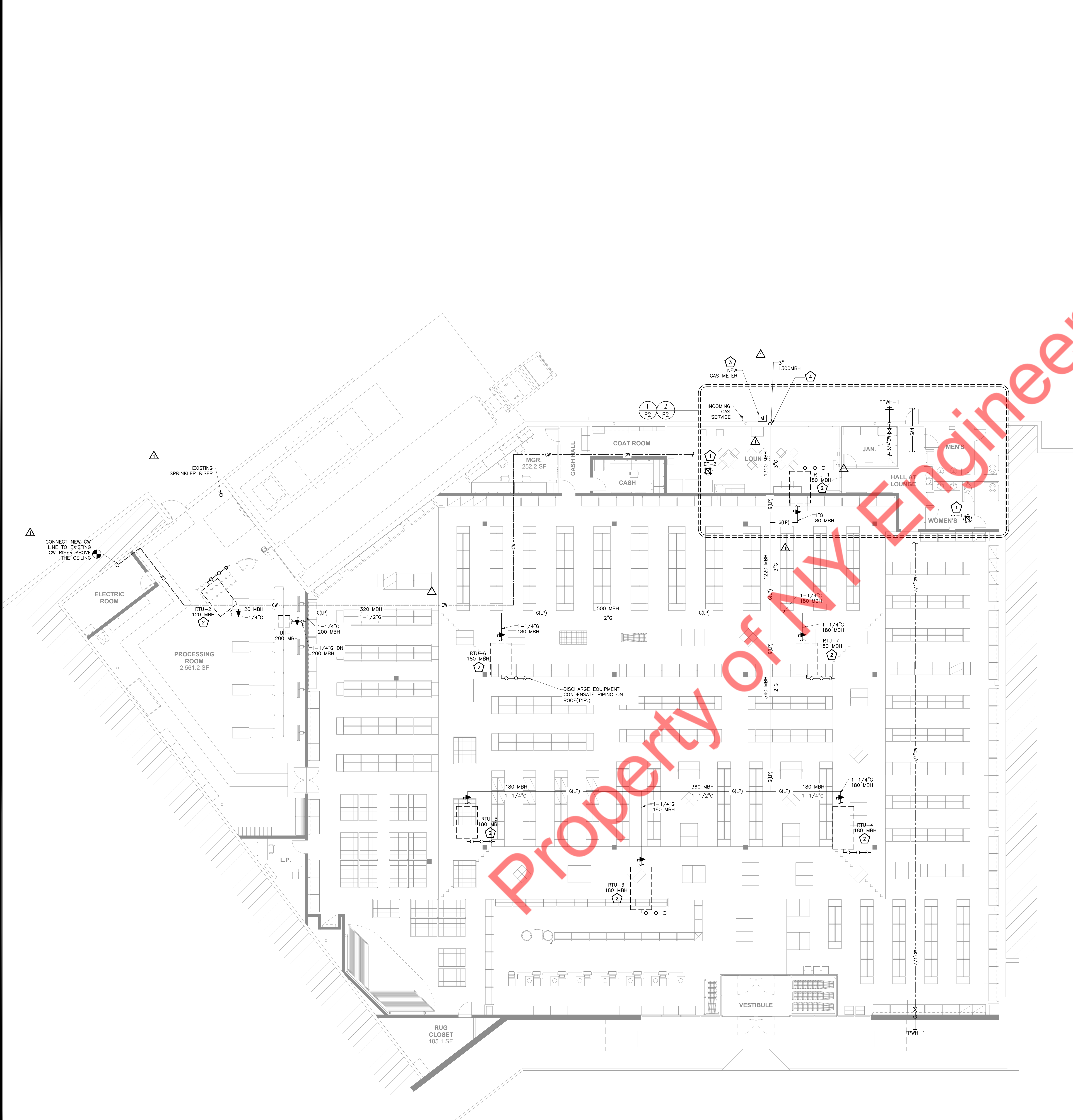
# E5

Scale	As indicated
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- PLAN KEYED NOTES
- MECHANICAL EQUIPMENT FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR SHOWN FOR REFERENCE ONLY.
  - MECHANICAL EQUIPMENT FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE ALL FINAL PIPING CONNECTIONS. REFER TO DETAILS SHEET P3.
  - NEW GAS METER/REGULATOR SET BY UTILITY COMPANY. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY. UNDERGROUND GAS SERVICE BY UTILITY COMPANY. MAKE FINAL CONNECTION OF CUSTOMER GAS PIPING TO GAS METER. VERIFY EXACT LOCATION.
  - GAS PIPING UP WALL AND OVER PARAPET (IF PRESENT). SECURELY FASTEN PIPING TO WALL. PAINT TO MATCH.

PLUMBING SYMBOLS AND LEGEND

ABBREVIATIONS:

AFF/AFG ABOVE FINISHED FLOOR/GRADE  
BFP BACK FLOW PREVENTER  
FCO FLOOR CLEANOUT  
FFCO/FGCO FLUSH FLOOR/GRADE CLEANOUT  
FSEC FOOD SERVICE EQUIPMENT CONTRACTOR  
IW INDIRECT WASTE  
PC PLUMBING CONTRACTOR  
RI ROUGH-IN  
TYP TYPICAL  
UNO UNLESS NOTES OTHERWISE  
VTR VENT THRU ROOF  
WCO WALL CLEANOUT  
(E) EXISTING

GENERAL REFERENCE/NOTATIONS:

CONNECT TO EXISTING  
TAGGED NOTE DESIGNATION  
REVISION DESIGNATION  
EQUIPMENT DESIGNATION  
DETAIL OR SECTION REFERENCE

PIPE SYMBOLS:

PIPE TURNING UP  
PIPE TURNING DOWN  
TEE TURNING UP  
TEE TURNING DOWN  
SHUTOFF VALVE(BALL TYPE)  
GAS SHUTOFF COCK

NOTES:

- REFER TO PLANS, EQUIPMENT SCHEDULES AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING ALL EQUIPMENT AND DEVICES.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE.

GAS USAGE SCHEDULE	
ITEM	CAPACITY
RTU-1	80,000 BTUH
RTU-2	120,000 BTUH
RTU-3	180,000 BTUH
RTU-4	180,000 BTUH
RTU-5	180,000 BTUH
RTU-6	180,000 BTUH
RTU-7	180,000 BTUH
UH-1	200,000 BTUH
TOTAL LOAD	1,300,000 BTUH

NOTES:

- GAS PIPING SIZED AS PER 2021 VIRGINIA FUEL GAS CODE
- LESS THAN 2PSIG DELIVERY PRESSURE
- 0.5" W.C. PRESSURE DROP
- TOTAL EQUIVALENT LENGTH = 250'

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1	TJX REVIEW COMMENTS	02.24.25
2	TJX REVIEW COMMENTS	03.18.25

HomeGoods

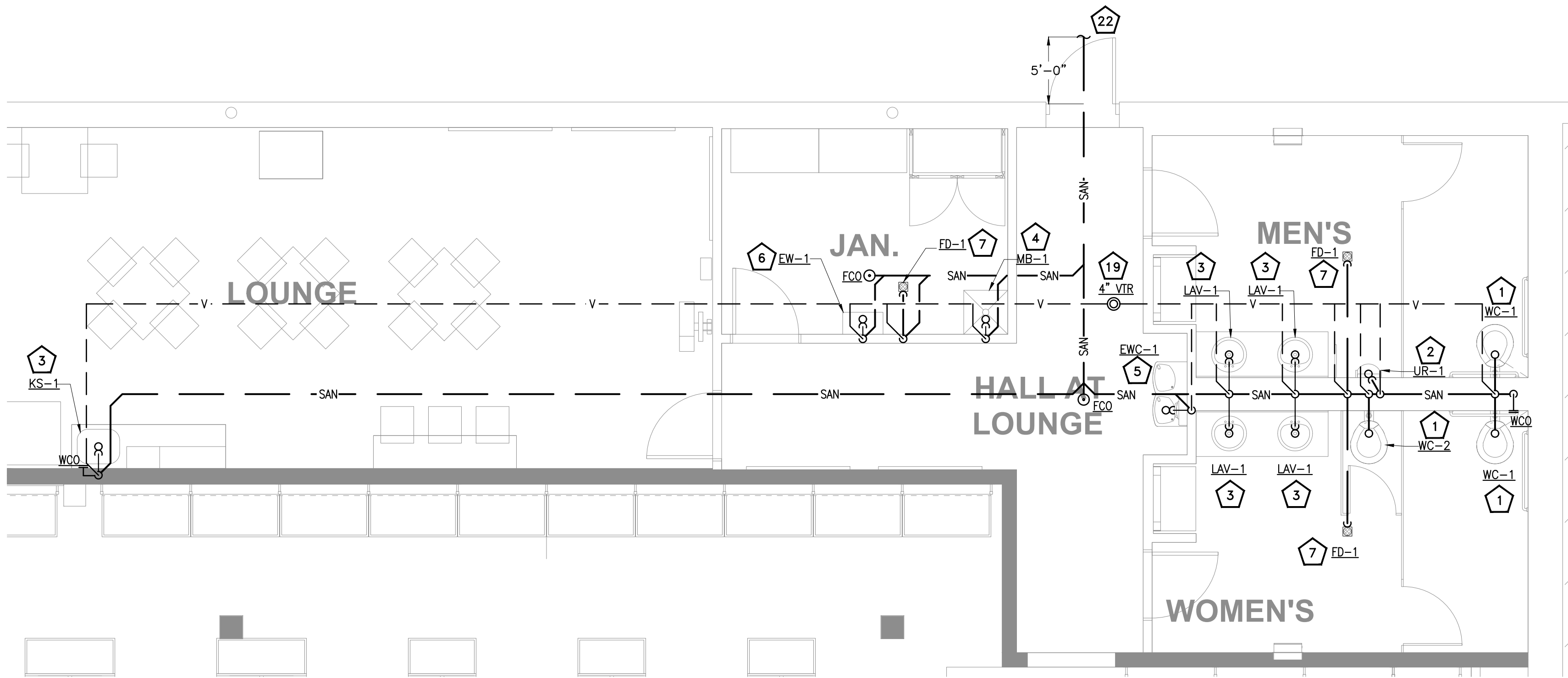
## OVERALL PLUMBING PLAN

Deal Type	
Store Number	
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE

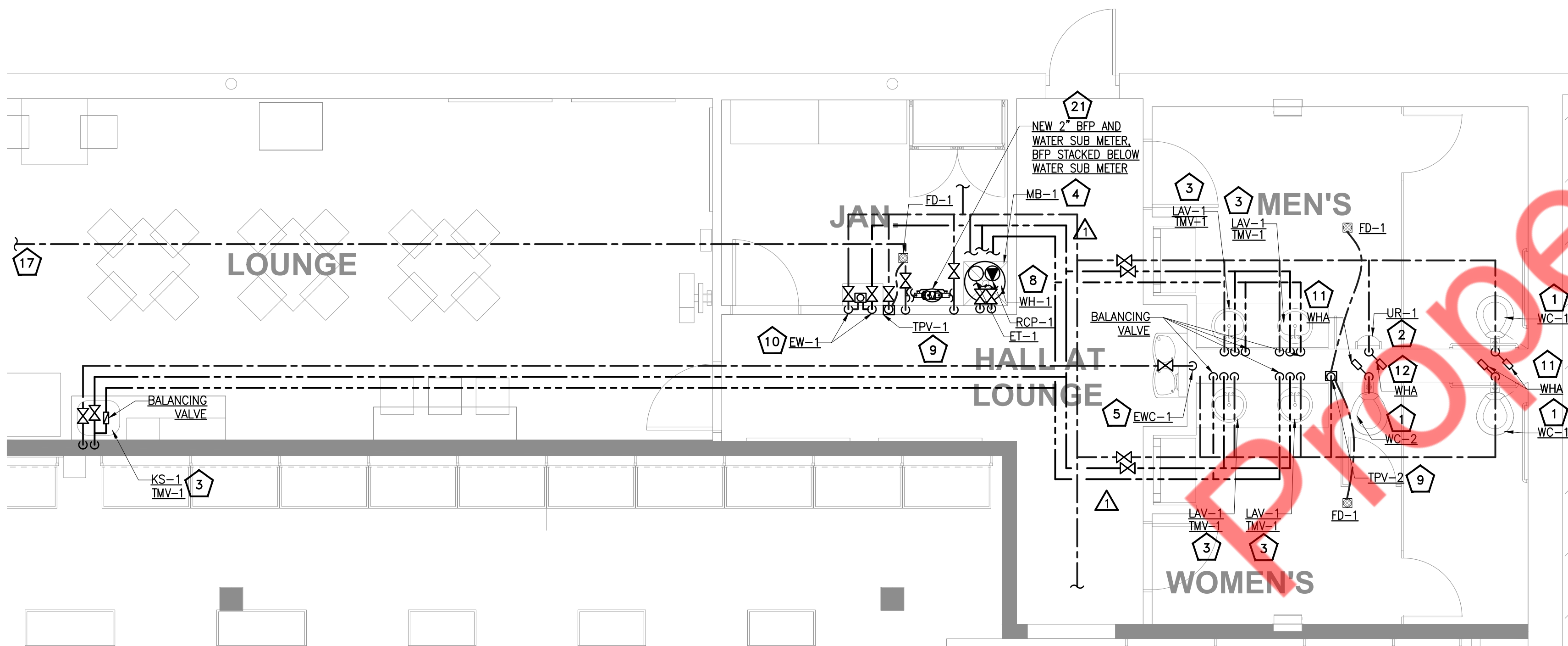
P1

Scale As indicated

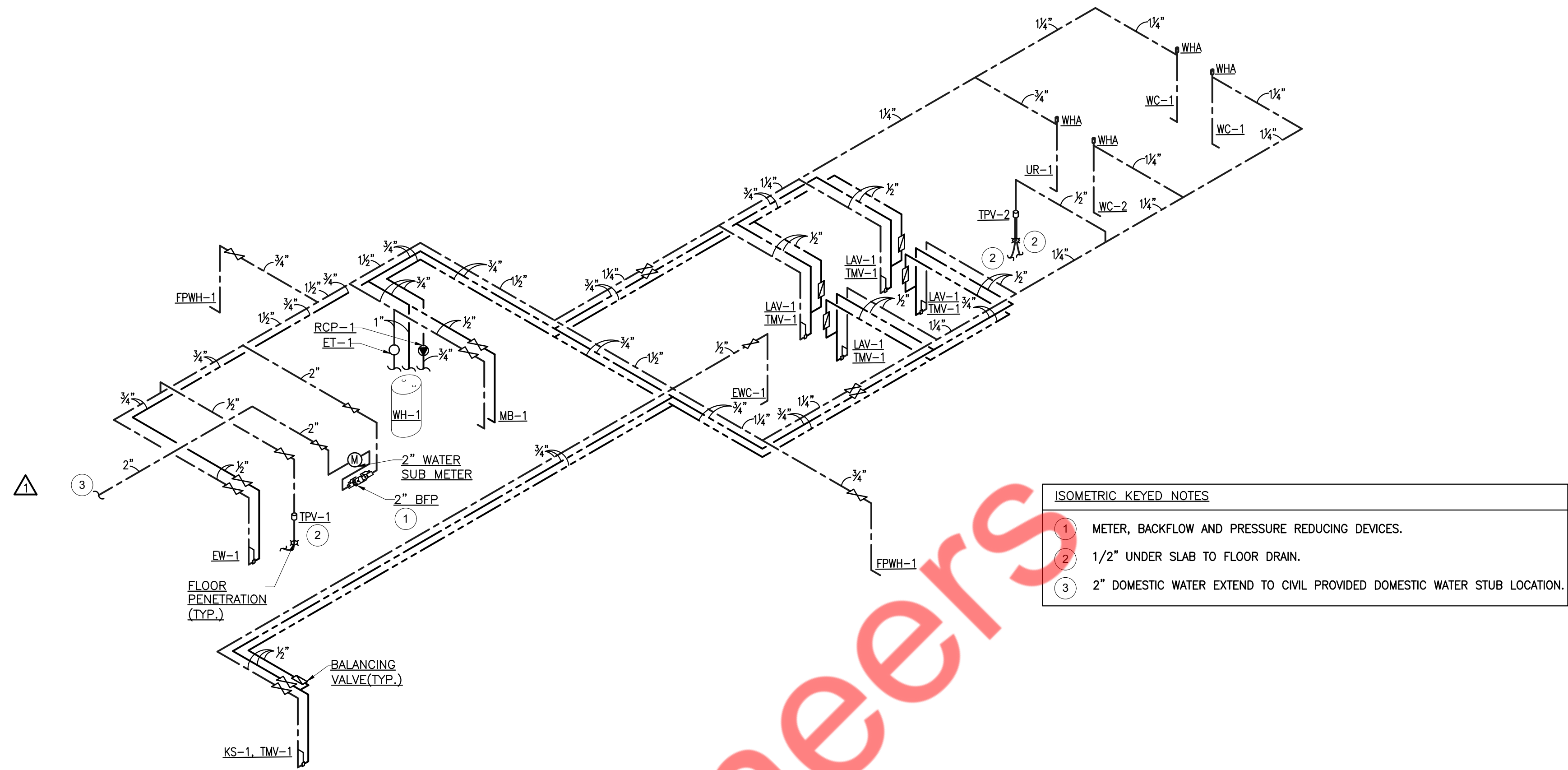




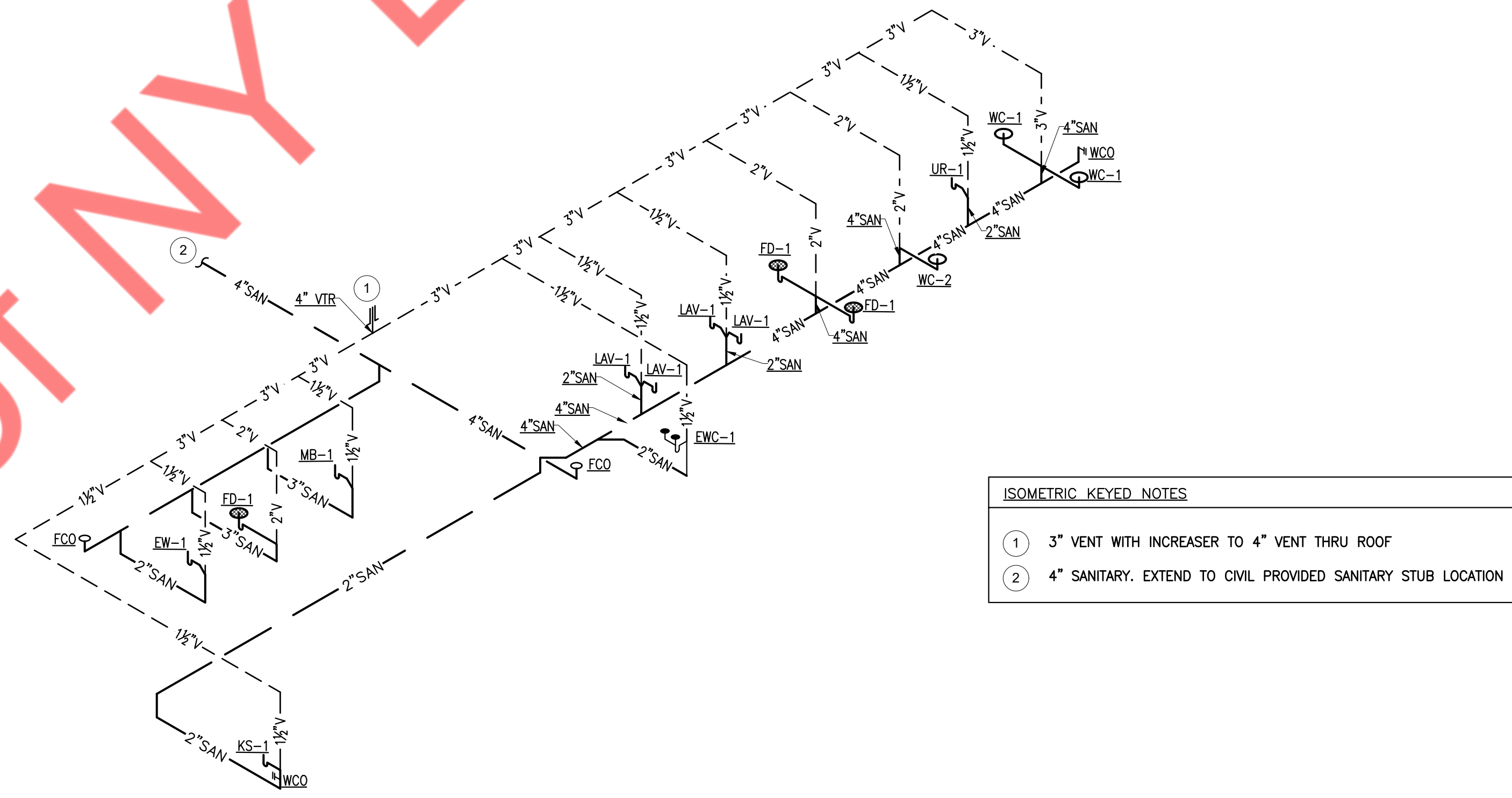
02 ENLARGED WASTE/VENT PLAN  
SCALE: 1/4" = 1'-0"



01 ENLARGED WATER PLAN  
SCALE: 1/4" = 1'-0"



04 DOMESTIC WATER ISOMETRIC DIAGRAM  
SCALE: NONE



03 WASTE AND VENT ISOMETRIC DIAGRAM  
SCALE: NONE

PLAN KEYED NOTES	
1	4" WASTE, 2" VENT, 1-1/4" CW TO WATER CLOSET.
2	2" WASTE, 1-1/2" VENT, 3/4" CW TO URINAL.
3	2" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW TO LAVATORY, SINK.
4	3" WASTE, 1-1/2" VENT, 1/2" CW, 1/2" HW TO MOP BASIN.
5	2" WASTE, 1-1/2" VENT, 1/2" CW, TO ELECTRIC WATER COOLER.
6	2" WASTE, 1-1/2" VENT TO EYE WASH.
7	3" WASTE, 2" VENT TO FLOOR DRAIN.
8	1" CW, 1" HW TO WATER HEATER. PROVIDE PRESSURE RELIEF AND DRAIN LINES AS REQUIRED FROM WATER HEATER INTO MOP BASIN.
9	1/2" CW TO TPV, AND DOWN TO FLOOR DRAIN(S).
10	STUB 1/2" CW & HW OUT OF WALL AND ELBOW UP WITH SHUT-OFF VALVE AND CONNECT TO EMERGENCY EYEWASH THERMOSTATIC MIXING VALVE INLETS. PROVIDE 1/2" STAINLESS STEEL BRAIDED HOSE TO CONNECT THERMOSTATIC MIXING VALVE OUTLET TO EMERGENCY EYEWASH SUPPLY CONNECTION. FIELD VERIFY THE EXACT LENGTH OF BRAIDED HOSE REQUIRED. MOUNT EMERGENCY EYEWASH BRACKET AND MIXING VALVE ON WALL PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH APPLICABLE CODES.
11	PROVIDE BRANCH LINE WITH WATER HAMMER ARRESTOR AT DROP TO FIXTURE - 10 FIXTURE UNITS - REFER TO DETAIL.
12	PROVIDE BRANCH LINE WITH WATER HAMMER ARRESTOR AT DROP TO FIXTURE - 5 FIXTURE UNITS - REFER TO DETAIL.
13	NOT USED.
14	NOT USED.
15	NOT USED.
16	NOT USED.
17	CONNECT NEW 2" CW PIPING TO EXISTING WATER SERVICE LINE. FIELD VERIFY EXACT LOCATION OR COORDINATE WITH SITE PLAN.
18	NOT USED.
19	4" VENT THRU ROOF WITH INCREASER.
20	NOT USED.
21	PROVIDE WATER METER, BACKFLOW PREVENTION AND PRESSURE REDUCTION TO COMPLY WITH ALL CODES AND UTILITY REGULATIONS. REFER TO DETAIL 10/PS.
22	EXTEND SANITARY LINE TO 5'-0" OUTSIDE BUILDING, CONNECT TO EXISTING SANITARY LINE. FIELD VERIFY EXACT LOCATION OR COORDINATE WITH SITE PLANS.

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2	TJX REVIEW COMMENTS	03.18.25

HomeGoods

## ENLARGED PLANS & RISERS

Deal Type	
Store Number	
Date	11/19/24
Planned By	NYE
Criteria Set By	NYE
Checked By	NYE

P2

Scale As indicated



