

# 1 MECHANICAL PLAN

SCALE: 1/4" = 1'-0"



# ECT: GARAGE |

ECT NO. <b>250239</b>	DRAWN BY: <b>NYE</b>
E: <b>AS NOTED</b>	CHECKED BY: <b>NYE</b>
<b>10.21.2025</b>	THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF: <b>NYE</b>

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING FROM THESE PLANS AND SPECIFICATIONS ARE NOT TO SCALE SUCH INFORMATION BUT TO CONTACT THE ARCHITECT OR HIS REPRESENTATIVE REGARDING MEASUREMENTS, IF SUCH MEASUREMENTS DO NOT APPEAR CORRECT, ADD UP PROPERLY OR SCALE CORRECTLY TO THE INDICATED SIZE.

**ARCH. REGISTRATION NO. - #**

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# M1.0

## HEAT LOAD CALCULATION

System Name: Single Zone VAV													
System Type: Variable Air Volume (VAV)													
Number of Zones 8													
Component Quantity													
Cooling Coils 9													
Fans 11													
Cooling Coils													
Col Location													
Col Selection at Design													
Airflow Conditions at Design													
Water Flow Conditions													
System Zone	Type	Sizing Method	Time of Peak	Total capacity (tons)	Sensible capacity (MBH)	Vent Load (MBH)	Outdoor air load (MBH)	Airflow (cfm)	Vent (cfm)	Enter DB (°F)	Leave DB (°F)	Enter Temp (°F)	Leave Temp (°F)
SCC-1-Zn-001- DISPLAY AREA 1	DX	Block	8.5	102.1	62.1	36.1	N/A	1,369	1,051	79.3	71.53	46.7	46.69
SCC-1-Zn-002- DISPLAY AREA 1	DX	Block	0.4	4.4	3.6	0.3	N/A	155	9	76.6	63.13	54.8	53.38
SCC-1-Zn-005- CLOTHS STOR CLO	DX	Block	0.5	5.8	4.8	0.9	N/A	203	25	78.0	63.93	55.9	54.26
SCC-1-Zn-006- STOCK ROOM +008 - ELEC EQUIP	DX	Block	1.8	21.9	17.5	3.2	N/A	702	83	78.3	64.14	55.0	53.50
SCC-1-Zn-007- FITTING AREA-1	DX	Block	0.5	6.2	4.1	1.8	N/A	109	49	85.2	68.49	45.4	49.41
SCC-1-Zn-007- FITTING AREA-2	DX	Block	0.3	3.9	3.0	0.9	N/A	98	21	81.9	65.11	45.4	49.41
SCC-1-Zn-007- RESTROOM	DX	Block	0.1	0.8	0.7	0.0	N/A	34	0	78.5	62.32	56.2	54.07
SCC-1-Zn-009- EXIT HALLWAY	DX	Block	0.2	2.7	2.2	0.4	N/A	93	10	77.7	63.78	55.6	54.04

Heating Coils													
Col Location			Col Selection at Design			Airflow Conditions at Design			Water Flow Conditions				
System Zone	Type	Sizing Method	Time of Peak	Total capacity (MBH)	Sensible capacity (MBH)	Vent Load (MBH)	Outdoor air load (MBH)	Airflow (cfm)	Vent (cfm)	Enter DB (°F)	Leave DB (°F)	Enter Temp (°F)	Leave Temp (°F)
SCC-1-Zn-001- DISPLAY AREA 1	Electric	Block	1/21/24.00	0.5	0.4	0.0	0.0	702	83	60.4	53.2	N/A	N/A
SCC-1-Zn-002- FITTING AREA-1	Electric	Block	1/21/24.00	7.4	4.2	N/A	0.0	32.0	65.0	N/A	N/A	N/A	N/A
SCC-1-Zn-007- FITTING AREA-2	Electric	Block	1/21/24.00	4.4	2.1	N/A	0.9	69	24	47.8	55.0	N/A	N/A
SCC-1-Zn-007- RESTROOM	Electric	Block	1/21/24.00	0.9	0.0	N/A	0.0	34	0	70.0	55.0	N/A	N/A
SCC-1-Zn-009- EXIT HALLWAY	Electric	Block	1/21/24.00	3.3	0.9	N/A	0.0	93	10	61.0	55.0	N/A	N/A

MECHANICAL SCHEDULE											
EXISTING MECHANICAL VAV SCHEDULE											
TAG	MAXIMUM SUPPLY AIR FLOW (CFM)	MINIMUM SUPPLY AIR FLOW (CFM)	OUTDOOR AIR (CFM)	PRESSURE DROP (IN. W.G.)	INLET DUCT SIZE (V.I.F.)	MODEL NO.	REMARKS	S.E.A.E.	V.F.I.F.	V.F.I.F.	V.F.I.F.
VAV #1(E)	1600	400	350	1.0	16	SAE	1-3				
VAV #2(E)	1600	400	350	1.0	10	SAE	1-3				
VAV #3(E)	3050	750	610	1.0	10	SAE	1-3				

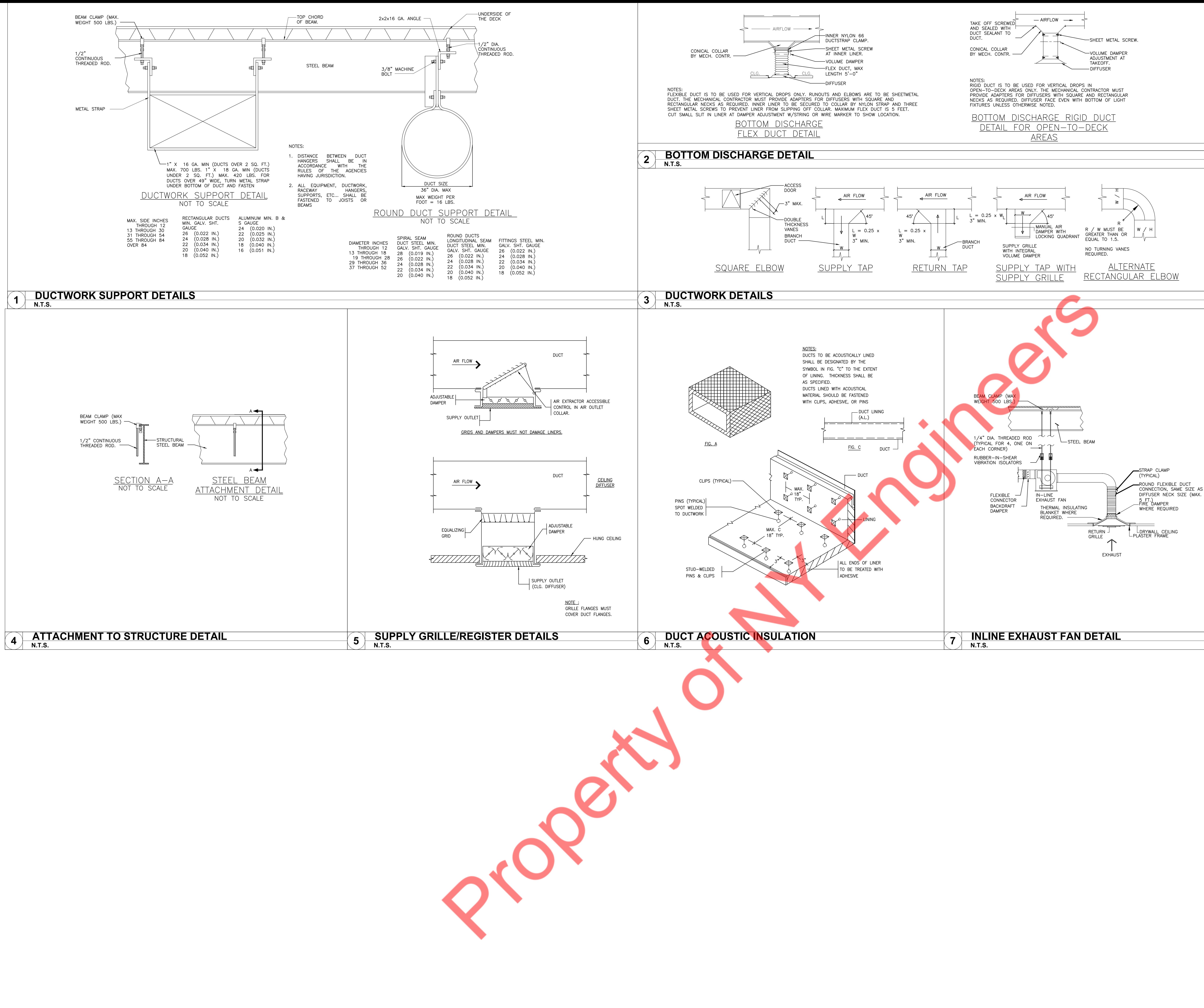
MECHANICAL FAN SCHEDULE											
TAG	QUANTITY	SERVICE	ELECTRIC DATA			WEIGHT			BASIS OF DESIGN		
			FLOW RATE	STATIC PRESSURE	CFM	IN. W.G.	V.F.I.F.	V.F.I.F.	SPD	MOTOR SIZE	WT
GXF-1(N)	1	REST ROOM	375	0.7	1,378	2.45	-	115/60/1	36	GREENHECK	CSP-AS10

SCHEDULE OF GRILLES			BASIC OF DESIGN: TITUS		
TAG	TYPE	CFM RANGE	DEFLECTION (DEGREE)	DIMENSION (IN)	MODEL NO.
SAG-1	EXISTING SUPPLY GRILLE	0-147	0	S.A.E. V.F.I.F.	
SAG-1	EXISTING SUPPLY GRILLE	0-147	0	10X4	20
SAG-1	EXISTING SUPPLY GRILLE	90-240	0	10X6	300FL
SAG-2	EXISTING SUPPLY GRILLE	0-133	0	12X6	23
TG-1	TRANSFER GRILLE	111-222	0	8X8	300F
EZ-1	EXHAUST GRILLE	0-42	0	10X3	S300F

AIR FLOW SUMMARY											
ROOM NAME	AREA SQ.FT.	CFM RANGE	DEFLECTION (DEGREE)	DIMENSION (IN)	MODEL NO.	MAX NC	dBa	ROOM NAME	AREA SQ.FT.	VAV SUPPLY AIR CFM	CFM/SQ.FT.
001- ENTRY/EXIT 1 +	0-147	0	S.A.E.	V.F.I.F.				001- ENTRY/EXIT 1 +	0-147	0	
003 - DISPLAY AREA 2 +	0-147	0	10X4	20				003 - DISPLAY AREA 2 +	4513	4425	1.0
004 - SALES FRONT +	0-147	0	10X6	300FL				004 - SALES FRONT +	0		
005 - SALES REAR	0-147	0	10X6	300FL	</td						



No.	DATE:	ISSUE:
12.01.25 LANDLORD REVIEW & GC BID		



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250239	NYE
SCALE:	CHECKED BY:
AS NOTED	NYE
DATE:	THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF:
10.21.2025	NYE

M3.0

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SIZE.

ARCH. REGISTRATION NO. - #
DRAWING NAME: MECHANICAL DETAILS
DRAWING NO.

SEAL

## MECHANICAL NOTES

## A. GENERAL CONDITIONS

DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS (IF PROVIDED AS PART OF THE CONTRACT) ARE A PART OF THIS CONTRACT.

THE TERM "CONTRACTOR" SHALL MEAN THE "MECHANICAL CONTRACTOR HIRED TO COMPLETE THE WORK OUTLINED IN THESE PLANS AND SPECIFICATIONS", UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR FOR THIS WORK IS REQUIRED TO REVIEW ALL DRAWINGS FOR ALL OTHER TRADES, ALL THE TENANT DESIGN GUIDELINES ALONG WITH CONTRACTOR MANUAL SHALL BE REVIEWED BY THE CONTRACTOR PRIOR STARTING THE WORK. FOLLOW ALL POSSIBLE AND FEASIBLE GUIDELINES FROM ALL DOCUMENTS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THESE SUBCONTRACTORS WITH A FULL SET OF BID DOCUMENTS, CONTRACTS, AND MOST CONDITIONS OF THE WORK AND INSPECTIONS FOR THE WORK AND INSPECTION OF THEIR SUBCONTRACTORS WITH ALL OTHER TRADES ON SITE TO CONFORM WITH THE GENERAL CONTRACTOR'S TIME SCHEDULE.

BY SUBMITTING A QUOTATION OR PROPOSAL, THE MECHANICAL CONTRACTOR EXPRESSLY STATES AND WARRANTS THAT ALL DRAWINGS AND SPECIFICATIONS HAVE BEEN THOROUGHLY REVIEWED, AND THAT THIS CONTRACTOR HAS BEEN FAMILIARIZED WITH JOBSITE CONDITIONS AND IS TOTALLY QUALIFIED TO PERFORM ALL OF THE WORK REQUIRED.

BEFORE SUBMITTING A FINAL PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE OF THE PROPOSED WORK TO DETERMINE THE EXISTING CONDITIONS THAT MAY AFFECT THE PROPOSAL. IF DISCREPANCIES ARE NOTED BETWEEN THE DOCUMENTS AND THE EXISTING CONDITIONS, THE ARCHITECT SHALL BE NOTIFIED AND THE CONTRACTOR SHALL REOPEN THE PROPOSAL. THE CONTRACTOR SHALL NOT SUBMIT A PROPOSAL IF THE PROPOSAL SHALL INDICATE THAT ALL CHARGES AND COSTS MADE NECESSARY BY EXISTING CONDITIONS ARE INCLUDED AND THAT THE COMPLETE SYSTEM AS DESCRIBED HEREIN WILL BE FURNISHED AT THE PROPOSED COST.

THE HVAC SUBCONTRACTOR IS REQUIRED TO VISIT THE SITE DURING BIDDING AND VERIFY LOCATION(S) OF WHERE DUCTWORK IS INDICATED TO BE PLACED, THEIR ROUTES AND POSSIBLE INTERSECTION(S) WITH OTHER EQUIPMENT/WORK (PLUMBING, SPRINKLER, ELECTRICAL, ETC.) TO BE INSTALLED AND/OR EXISTING TO REMAIN AND WHERE THEY SHOULD BE "INSTALLED" TO MAINTAIN DESIGNED CEILING HEIGHTS AND HEAD ROOM. ANY DISCREPANCIES BETWEEN DESIGNED AND ACTUAL ARE TO BE TOLD TO THE GENERAL CONTRACTOR AND BE INDICATED ON THE BID DRAWINGS.

WHEN USED, THE TERM "PROVIDED BY CONTRACTOR" SHALL BE INTERPRETED AS MEANING "FURNISHED AND INSTALLED BY CONTRACTOR" WITH THE EXCEPTION WHERE ITEMS ARE "PROVIDED BY TENANT", EXCEPT WHERE NOTED OTHERWISE.

## B. GENERAL REQUIREMENTS

THE MECHANICAL SUBCONTRACTORS QUOTING ON THEIR SPECIFIC SCOPE OF WORK/SERVICES TO CONTACT THE LOCAL BUILDING DEPARTMENT/AGENCY TO DISCUSS CODE ISSUES/DISCREPANCIES REGARDING THEIR SERVICES AND THE QUOTED ASSOCIATED WITH THE SITE WITH THE GENERAL CONTRACTOR FOR THIS PROJECT. THE CONTRACTOR TO BE FAMILIAR WITH THE SITE WITH SUPER SERVICES/WORKS TO BE PERFORMED, THIS SPECIFIC USE AND THE (DIS)CREPANCIES ASSOCIATED WITH THE LIFE, SAFETY AND HEALTH ASSOCIATED WITH THIS WORK AND TO INDICATE THE QUOTED ANY ITEMS REQUIRED THAT ARE NOT NECESSARILY SHOWN ON THE DRAWINGS/SPECIFICATIONS.

THE CONTRACTOR SHALL PRODUCE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INDUSTRIAL DETAILS NECESSARY TO PROVIDE COMPLETE AND FULLY FUNCTIONAL MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS, AS CALLED FOR IN THE SPECIFICATIONS (IF SUPPLIED) AND AS REQUIRED BY JOB CONDITIONS. THE CONTRACTOR NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL NOT BE LIMITED TO THE DRAWINGS AND SPECIFICATIONS, CATALOGS, INCLUDING DESCRIPTIVE LITERATURE AND CHARACTERISTICS OF EQUIPMENT, SHALL SHOW MAJOR DIMENSIONS, ROUGHING-OUT DATA, CAPACITY, CURVES, PRESSURE DROPS, COMPLIANCE STANDARDS AND DRIVE DATA. CONTRACTOR SHALL NOT BE LIMITED TO THE DRAWINGS AND SPECIFICATIONS, CATALOGS, SUBMITTALS, SPECIFICATIONS, THE STAMP OF THE GENERAL AND SUBCONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THEY ARE IN CONFORMITY WITH THE CONTRACT DOCUMENTS OR INDICATE WHERE EXCEPTIONS TAKE PLACE. EACH SUCH CONTRACTOR SHALL REOPEN THE PROPOSAL FOR REVIEW WITHOUT REVIEW BY TENANT'S CHARACTER, SHALL BE PROVIDED AS PART OF THE CONTRACT.

WHERE THE DRAWINGS AND / OR SPECIFICATIONS CALL FOR ITEMS THAT EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS STILL RESPONSIBLE FOR PROVIDING THE SYSTEM AS DESIGNED AND DESCRIBED ON THE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.

THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH DETAILED REQUIREMENTS OF LEASE EXTRACTS FROM THE LANDLORD AND TENANT.

COORDINATE LOCATIONS OF ALL AIR OUTLETS WITH ALL WALLS, LIGHTS, SPRINKLER HEADS, CEILING TILES AND DECORATIVE CEILING FIXTURES PRIOR TO INSTALLATION.

ALL MECHANICAL WORK SHALL BE INSTALLED AS TO BE READILY ACCESSIBLE FOR OPERATION, SERVICE, MAINTENANCE, AND REPAIR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT ACCESS TO ALL EQUIPMENT AND SERVICES.

THE CONTRACTOR SHALL DO ALL CUTTING, CORE DRILLING, CHASING, OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS CONTRACT. CUTTING SHALL HAVE PRIOR APPROVAL BY THE TENANT'S CONSTRUCTION MANAGER AND THE LANDLORD OR LANDLORD'S REPRESENTATIVE. PATCHING SHALL MATCH FINISH OF SURROUNDING AREA.

## C. CODES

ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES. ALL WORK SHALL CONFORM TO THE LATEST ADDED EDITION OF THE LANDLORD'S CRITERIA, THE STATE, COUNTY AND LOCAL CODES AND ORDINANCES; THE LATEST EDITIONS OF ASHRAE STANDARDS, THE LIFE SAFETY CODE, THE NFPA 5000, THE IBC, THE IFC, THE IBC-2018, THE IFC-2018, THE NFPA 1, THE NFPA 70, THE NFPA 90, AND ALL OTHER APPLICABLE CODES ENFORCED BY AUTHORITY HAVING JURISDICTION. THE CHANGES REQUIRED BY ANY APPLICABLE CODES SHALL BE INCLUDED IN THE BID. AFTER THE CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED BY THE TENANT TO THE CONTRACTOR.

## D. LICENSES, PERMITS, INSPECTIONS AND FEES

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS AND FEES REQUIRED OR RELATED TO THIS WORK.

FURNISH TO THE TENANT'S CONSTRUCTION MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

## E. DRAWINGS

DRAWINGS (PLANS AND SPECIFICATIONS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. BECAUSE OF THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL DUCT AND PIPE OFFSETS, FITTINGS AND ACCESSORIES THAT MAY BE REQUIRED. THE MECHANICAL CONTRACTOR SHALL FURNISH APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK.

THE LAYOUT SHOWN ON THE DRAWINGS IS BASED ON A PARTICULAR MAKE OF EQUIPMENT. IF ANOTHER MAKE OF EQUIPMENT IS USED WHICH REQUIRES MODIFICATION OR CHANGE OF ANY DESCRIPTION FROM THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE AS PART OF THIS WORK FOR MANUFACTURER'S APPROVAL AND SUBMISSIONS. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR COST THEREOF INCLUDED IN THE BID. IN SUCH CASE, CONTRACTOR SHALL SUBMIT DRAWINGS AND SPECIFICATIONS PRIOR TO STARTING WORK SHOWING ALL SUCH MODIFICATIONS AND CHANGES. THE PROPOSAL SHALL BE SUBJECT TO THE APPROVAL OF THE TENANT'S CONSTRUCTION MANAGER.

## F. EXISTING LEASE SPACE CONDITIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING MECHANICAL WORK IN THE SPACE NOT SHOWN TO BE REUSED IN THE NEW TENANT SPACE.

THE CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING FIRE PROTECTION, PLUMBING, FIXTURES, PIPING, HVAC UNITS, REFRIGERANT RECAHPTURE, EXHAUST FANS, DUCTWORK, ETC. AND ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS THAT MAY BE REQUIRED. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING EQUIPMENT, PIPES, DUCTWORK AND EQUIPMENT PRIOR TO REMOVAL. ROOF CURBS SHALL BE REMOVED AND THE ROOF PATCHED UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE REMOVAL OF THE CONTRACTOR'S EXPENSE BY A ROOFING CONTRACTOR APPROVED BY THE LANDLORD. ALL EXTRANEous ITEMS IN THE SPACE OR ON THE ROOF (ABOVE THIS SPACE) NOT APPLICABLE TO THE NEW WORK OR PART OF THE LANDLORD'S OR ANOTHER TENANT'S SYSTEM MUST BE REMOVED AND ROOF, WALL, FLOOR MUST BE PAINTED AND REPAINTED AS NEEDED. EXHAUST DUCTS, DUCTS OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE OR OTHERWISE, INACCESSIBLE TO BE CUT OFF AND SEALED BELOW OR IN FLOOR OR WALL LEVEL WHEN THEY ARE NOT REUSED IN THIS PROJECT.

IF REQUIRED BY THE LANDLORD OR CODES, ABANDONED EQUIPMENT AND / OR DUCTWORK MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

ACTIVE LANDLORD OR OTHER TENANT SERVICES ENCOUNTERED IN WORK SHALL BE PROTECTED, AND SUPPORTED. IF EXISTING SERVICES NOT ANTICIPATED REQUIRE RELOCATION, CONTACT THE TENANT'S CONSTRUCTION MANAGER IMMEDIATELY. ALL COSTS FOR REPAIRS TO ACTIVE LANDLORD OR OTHER TENANT SERVICES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR. THE DAMAGE TO THE ACTIVE LANDLORD OR OTHER TENANT SERVICES MUST BE MADE UP TO MINIMUM INTERRUPTION OF LANDLORD OPERATION AND DURING HOURS AS SPECIFIED BY THE LANDLORD. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT WORKING HOURS OF THIS WORK WITH THE LANDLORD PRIOR TO SUBMITTING THEIR BID. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL PREMIUM TIME REQUIRED TO PERFORM MODIFICATIONS DURING OTHER THAN NORMAL WORKING HOURS. ALL SUCH WORK MUST BE COORDINATED WITH THE LANDLORD.

EQUIPMENT AND MATERIALS IN TRANSIT SHALL UTILIZE FREIGHT, ELEVATOR, OR STAIRS. SAID EQUIPMENT OR MATERIALS SHALL BE DISASSEMBLED AS REQUIRED TO MEET THE RESTRICTION IMPOSED BY THE BUILDING OR ITS COMPONENT CONSTRAINTS AND THEN REASSEMBLED IN THE NEW WORK AREA.

ALL WORK SHALL BE DONE WITH A MINIMUM OF NOISE AND DISTURBANCE TO BUSINESS ROUTINE. ALL WORK SCHEDULES SHALL BE COORDINATED WITH, AND APPROVED BY, THE TENANT'S CONSTRUCTION MANAGER.

SINCE THESE ARE SECURE FLOORS, ALL DELIVERIES, WORKERS, WORK OPERATORS, ETC., REQUIRED BY THE CONTRACTOR FOR WORK PERFORMED IN ANY AREA OR SITE BUILDING SHALL BE IN STRICT CONFORMANCE TO THE TENANT'S CONSTRUCTION MANAGER.

CONTRACTOR SHALL PROTECT THEIR WORKS AND EQUIPMENT FROM DAMAGE, VANDALS, ETC. ANY ITEM THAT IS DAMAGED, VANDALIZED OR STOLEN PRIOR TO ACCEPTANCE OF BUILDING BY OWNER AND ARCHITECT SHALL BE REPAIRED BY RESPECTIVE CONTRACTOR AT NO CHARGE TO TENANT.

IT IS SPECIFICALLY THE INTENTION OF THIS SPECIFICATION TO HOLD THE CONTRACTOR RESPONSIBLE FOR ALL DAMAGE DONE TO ANY EXISTING FACILITIES, EQUIPMENT, PANTING, OR ARCHITECTURAL AND STRUCTURAL FEATURES OF THE BUILDING, BY EITHER THEIR OWN WORKERS OR BY ANY OF THEIR SUBCONTRACTORS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE DONE BY THEIR OWN WORKERS OR SUBCONTRACTORS AND THE OWNER AT THEIR DISCRETION, MAY WITHHOLD PAYMENTS EQUAL TO THE REASONABLE COST OF THE REPAIRS.

THIS CONTRACTOR OR THEIR WORKMEN SHALL NOT BE PERMITTED TO USE ANY PART OF THE EXISTING BUILDING AS A SHOP WITHOUT THE APPROVAL OF THE OWNER AND ARCHITECT.

WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT NIGHT OR AT SUCH TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE.

THIS CONTRACTOR SHALL ARRANGE THE WORK SO AS TO ENSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTION TO THE EXISTING WORK. THIS CONTRACTOR SHALL APPROVE WRITTEN NOTICE IN ADVANCE TO THE OWNER OF ANY REQUIRED SHUT DOWN.

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## D. LICENSES, PERMITS, INSPECTIONS AND FEES

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS AND FEES REQUIRED OR RELATED TO THIS WORK.

FURNISH TO THE TENANT'S CONSTRUCTION MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

## E. DRAWINGS

DRAWINGS (PLANS AND SPECIFICATIONS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. BECAUSE OF THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL DUCT AND PIPE OFFSETS, FITTINGS AND ACCESSORIES THAT MAY BE REQUIRED. THE MECHANICAL CONTRACTOR SHALL FURNISH APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK.

THE LAYOUT SHOWN ON THE DRAWINGS IS BASED ON A PARTICULAR MAKE OF EQUIPMENT. IF ANOTHER MAKE OF EQUIPMENT IS USED WHICH REQUIRES MODIFICATION OR CHANGE OF ANY DESCRIPTION FROM THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE AS PART OF THIS WORK FOR MANUFACTURER'S APPROVAL AND SUBMISSIONS. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR COST THEREOF INCLUDED IN THE BID. IN SUCH CASE, CONTRACTOR SHALL SUBMIT DRAWINGS AND SPECIFICATIONS PRIOR TO STARTING WORK SHOWING ALL SUCH MODIFICATIONS AND CHANGES. THE PROPOSAL SHALL BE SUBJECT TO THE APPROVAL OF THE TENANT'S CONSTRUCTION MANAGER.

## F. EXISTING LEASE SPACE CONDITIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING MECHANICAL WORK IN THE SPACE NOT SHOWN TO BE REUSED IN THE NEW TENANT SPACE.

THE CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING FIRE PROTECTION, PLUMBING, FIXTURES, PIPING, HVAC UNITS, REFRIGERANT RECAHPTURE, EXHAUST FANS, DUCTWORK, ETC. AND ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS THAT MAY BE REQUIRED. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING EQUIPMENT, PIPES, DUCTWORK AND EQUIPMENT PRIOR TO REMOVAL. ROOF CURBS SHALL BE REMOVED AND THE ROOF PATCHED UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE REMOVAL OF THE CONTRACTOR'S EXPENSE BY A ROOFING CONTRACTOR APPROVED BY THE LANDLORD. ALL EXTRANEous ITEMS IN THE SPACE OR ON THE ROOF (ABOVE THIS SPACE) NOT APPLICABLE TO THE NEW WORK OR PART OF THE LANDLORD'S OR ANOTHER TENANT'S SYSTEM MUST BE REMOVED AND ROOF, WALL, FLOOR MUST BE PAINTED AND REPAINTED AS NEEDED. EXHAUST DUCTS, DUCTS OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE OR OTHERWISE, INACCESSIBLE TO BE CUT OFF AND SEALED BELOW OR IN FLOOR OR WALL LEVEL WHEN THEY ARE NOT REUSED IN THIS PROJECT.

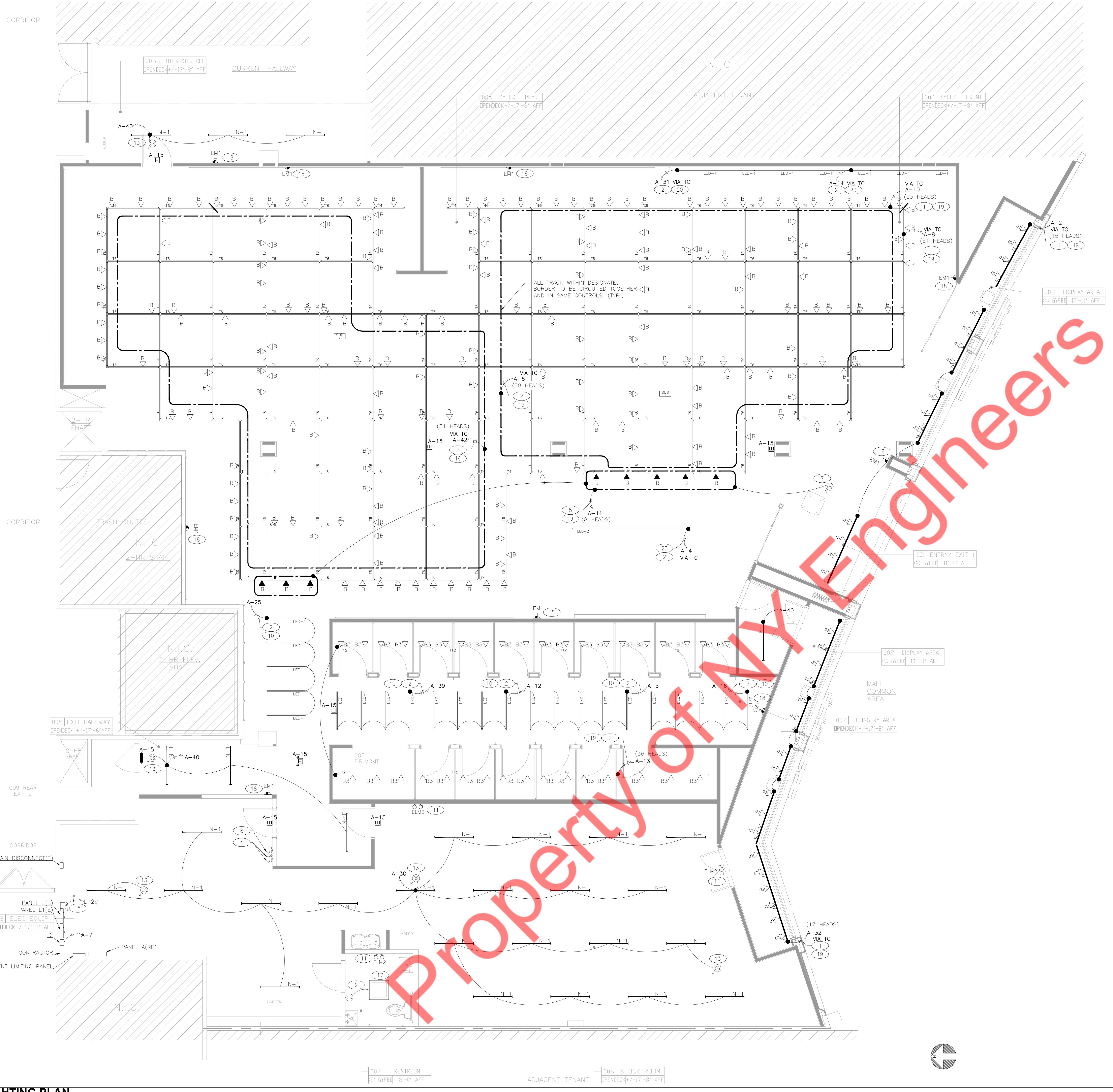
IF REQUIRED BY THE LANDLORD OR CODES, ABANDONED EQUIPMENT AND / OR DUCTWORK MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

ACTIVE LANDLORD OR OTHER TENANT SERVICES ENCOUNTERED IN WORK SHALL BE PROTECTED, AND SUPPORTED. IF EXISTING SERVICES NOT ANTICIPATED REQUIRE RELOCATION, CONTACT THE TENANT'S CONSTRUCTION MANAGER IMMEDIATELY. ALL COSTS FOR REPAIRS TO ACTIVE LANDLORD OR OTHER TENANT SERVICES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR. THE DAMAGE TO THE ACTIVE LANDLORD OR OTHER TENANT SERVICES MUST BE MADE UP TO MINIMUM INTERRUPTION OF LANDLORD OPERATION AND DURING HOURS AS SPECIFIED BY THE LANDLORD. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT WORKING HOURS OF THIS WORK WITH THE LANDLORD PRIOR TO SUBMITTING THEIR BID. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL PREMIUM TIME REQUIRED TO PERFORM MODIFICATIONS DURING OTHER THAN NORMAL WORKING HOURS. ALL SUCH WORK MUST BE COORDINATED WITH THE LANDLORD.

EQUIPMENT AND MATERIALS IN TRANSIT SHALL UTILIZE FREIGHT, ELEVATOR, OR STAIRS. SAID EQUIPMENT OR MATERIALS SHALL BE DISASSEMBLED AS REQUIRED TO MEET THE RESTRICTION IMPOSED BY THE BUILDING OR ITS COMPONENT CONSTRAINTS AND THEN REASSEMBLED IN THE NEW WORK AREA.

ALL WORK SHALL BE DONE WITH A MINIMUM OF NOISE AND DISTURBANCE TO BUSINESS ROUTINE. ALL WORK SCHEDULES SHALL BE COORDINATED WITH, AND APPROVED BY, THE TENANT'S CONSTRUCTION MANAGER.

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1 ELECTRICAL LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

No.	DATE:	ISSUE:
12.01.25 LANDLORD REVIEW & GC BID		



PROJECT: **GARAGE**

PROJECT NO.	DRAWN BY:
250239	NYE
SCALE:	CHECKED BY:
AS NOTED	NYE
DATE:	THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF:
10.21.2025	NYE

ARCH. REGISTRATION NO. - #

DRAWING NAME:  
ELECTRICAL LIGHTING PLAN

DRAWING NO.  
**E1.0**

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING  
FROM THESE PLANS AND SPECIFICATIONS ARE NOT SCALE SUCH  
REGARDING MEASUREMENTS, IF SUCH MEASUREMENTS DO NOT APPEAR  
CORRECT, ADD UP PROPERLY OR SCALE CORRECTLY TO THE INDICATED  
SIZE.

SEAL SEAL

1	WIRE THROUGH LIGHTING CONTACTOR C2 CONTROLLED BY SWITCH "b" FOR ENTRY, SHOW WINDOW, PERIMETER TRACK LIGHTS, RECEPTACLES AND SIGN, VIA TIME CLOCK T/C.
2	WIRE THROUGH LIGHTING CONTACTOR C1 CONTROLLED BY SWITCH "a" FOR GENERAL SALES LIGHTS, & FITTING ROOM LIGHTS.
3	NOT USED.
4	LOCATION OF SWITCHES "A" AND "B" FOR CONTACTORS C1 AND C2. LABEL SWITCHES "A" FOR GENERAL LIGHTING AND "B" FOR STOREFRONT LIGHTING. SWITCHES TO BE HUBBELL 20 AMP SWITCHES AND PROVIDE CONTACTOR COUPLED BELL #RW51380 ON EACH SWITCH TO PREVENT INADEQUATE OPERATION.
5	TRACK SECTION IS FOR EGRESS LIGHTS. WIRE TO UN-SWITCHED HOT LEAD OF CIRCUIT INDICATED.
6	NOT USED.
7	OCCUPANCY 360° SENSOR LEVITON 06C20-MDW. THIS SENSOR AND ENSEMBLE COUPLED BELL #RW51380 ON EACH SWITCH TO PREVENT INADEQUATE OPERATION.
8	LOCATION OF MANUAL OVERRIDE SWITCH WIRED TO STOCKROOM OCCUPANCY SENSORS FOR MANUAL OFF/ON OPERATION.
9	WALL MOUNTED OCCUPANCY SENSOR, MTD AT+4" A.F.F. LEVITON OS10-1D
10	LED DRIVER TO BE PLUGGED INTO THE DUPLEX OUTLET. REFER TO SHEET E2.0 FOR THE OUTLET LOCATION SEE SHEET E3.0 FOR DETAIL.
11	EC TO PROVIDE POWER TO EMERGENCY LIGHTING FROM THE NEARBY LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
12	SURFACE MT'D OCCUPANCY SENSOR LEVITON 06C20-MDW.
13	PENDANT MT'D OCCUPANCY SENSOR LEVITON 06C20-MDW
14	NOT USED.
15	NEW EMERGENCY BATTERY UNIT, BATTERY UNIT TO PROVIDE 90 MIN BATTERY BACKUP POWER TO REMOTE HEADS
16	NOT USED.
17	G.C. EXAMINE EXISTING LIGHT FIXTURE, REPLACE LAMPS W/ NEW LED LAMPS AS REQUIRED.
18	WIRE REMOTE HEADS BACK TO BATTERY UNIT LOCATED IN ELECTRICAL EQUIPMENT ROOM, SEE LEGEND.
19	WIRE THROUGH CURRENT LIMITER BREAKER.
20	ONE DRIVER TO BE PLUGGED INTO THE DUPLEX OUTLET. REFER TO SHEET E2.0 FOR THE OUTLET LOCATION SEE SHEET E3.0 FOR DETAIL.

#### CURRENT LIMITER PANEL SCHEDULE

CURRENT LIMITING PANEL SCHEDULE				
PANEL CIRCUIT	CIRCUIT LOAD NAME	WATTAGE	UNITS	MAX. TRACK HEADS ALLOWED
A-2	STOREFRONT/ENTRY LIGHTS	338	3A	20
A-32	STOREFRONT/ENTRY LIGHTS	383	4A	26
A-6	GENERAL TRACK LIGHTS	1305	13A	73
A-42	GENERAL TRACK LIGHTS	1148	10A	66
A-8	PERIMETER TRACK LIGHTS	1148	10A	60
A-10	PERIMETER TRACK LIGHTS	1193	10A	66
A-11	EGRESS TRACK LIGHTS	180	3A	20
A-13	FITTING ROOM TRACK LIGHTS	450	4A	26
—	SPARE	—	—	—
—	SPARE	—	—	—
—	SPARE	—	—	—
—	SPARE	—	—	—

\* CIRCUIT WATTAGE INCLUDES 1.25% NEC FACTOR  
\* ALL BREAKERS SHOWN ARE NEW

#### NOTES:

- ALL HOME RUNS IN EMT
- NO MC CABLE IN DEMISING WALLS
- NO SPARE LIGHTING, SIGN(S), AND RECEPTACLES ON TIMECLOCK

(E/R) EXISTING / RELOCATED

NOTE:  
MECHANICAL AND SPRINKLER PLANS ARE UNDER A SEPARATE PERMIT  
AND A SEPARATE SUBMITTAL.  
FLUORESCENT FIXTURES WITH DOUBLE-ENDED LAMPS SHALL BE  
EQUIPPED WITH DISCONNECT MEANS PER 410.7(G) [SEC 2013]

#### ELECTRICAL GENERAL NOTES

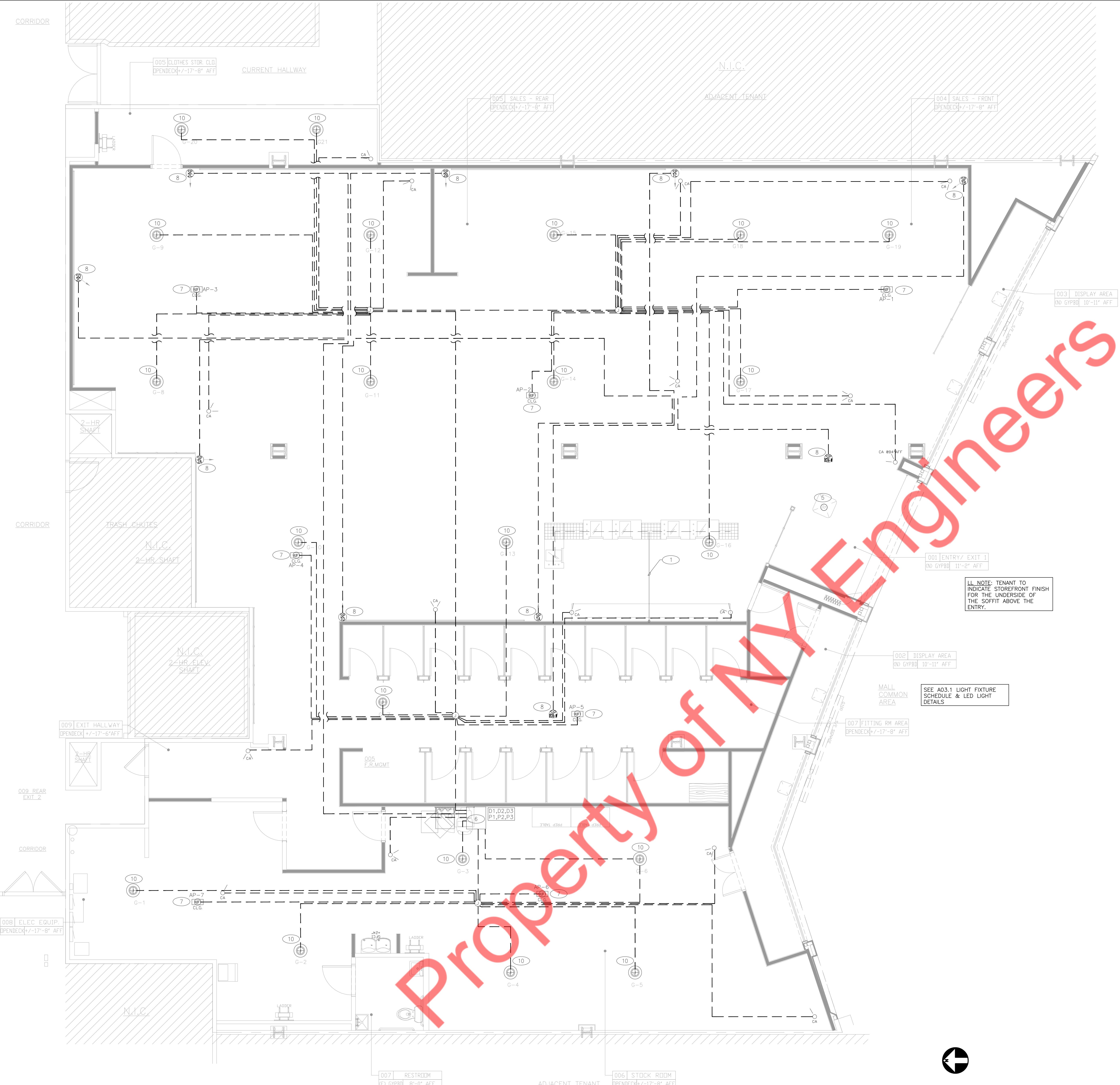
1. ELECTRICAL CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LOCATIONS.
2. CONTRACTOR SHALL COMPLETELY REMOVE ALL EQUIPMENT, PANELBOARDS, DEVICES, FIXTURES, WIRING, CONDUIT, ETC. AND ALL ASSOCIATED SUPPORTS, BRACING, PADS, ETC. NOT BEING REUSED OR SHOWN REMAIN WHETHER IN DEMISED SPACES OR NOT. CONTRACTOR IS TO REMOVE OR RELOCATE IN DEMISED SPACES. DO NOT ABANDON IN PLACE.
3. ALL LINEAR FLUORESCENT LIGHT FIXTURES SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF NEC SECTION 410-130(G) REGARDING LOCAL DISCONNECTING MEANS.
4. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. CONTRACTOR IS TO ADHERE TO LOCAL CODES AND CONTRACTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
5. PROVIDE A NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT, NEUTRAL SHARING IS NOT ALLOWED.
6. ADJUST CIRCUIT WIRE SIZES FOR VOLTAGE DROP WHERE REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.
8. THE GENERAL CONTRACTOR IS RESPONSIBLE AT THE BEGINNING OF THE PROJECT TO MEASURE THE SPACE WHILE REVIEWING THE ARCHITECT'S DRAWINGS TO VERIFY THAT THE INFORMATION CONTAINED IN THE ELECTRICAL DRAWINGS IS CORRECT. CONTRACTOR IS TO RELOCATE EQUIPMENT WITH THE WORK TO BE PERFORMED AND THAT ALL SPACES ARE SUFFICIENT IN SIZE FOR THE WORK TO BE COMPLETED INCLUDING WIDTHS, LENGTHS, HEIGHTS, ETC.
9. FOR PROPOSED CLIENTS, FOR WHOM THEY REQUEST AND WE HAVE SPECIFIED FIXTURES/LAMPS, THE CLIENT IS RESPONSIBLE TO ENSURE THAT ONLY COMPATIBLE LAMPS MANUFACTURED FOR THE LED FIXTURES IN THIS SPACE ARE INSTALLED AT A LATER DATE AS POSSIBLE REPLACEMENT LAMPS. THE USE OF NON-LED LAMPS OR NON-COMPATIBLE LAMPS FOR SUCH FIXTURES IS NOT RECOMMENDED AS IT COULD LEAD TO FIRE HAZARDS OR A LOSS OF WARRANTY.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR/ARCHITECT FOR THE INSTALLATION OF LIGHTING FIXTURES WHERE CLASHES OCCUR WITH MECHANICAL UNIT & HVAC DUCT. REFER SHEET E3.1 FOR LIGHTING FIXTURE SCHEDULE.

#### DRAWING CONDITION LEGENDS

(E)	EXISTING
(ER)	EXISTING TO BE RELOCATED.
(R)	REMOVED.
(RE)	RELOCATED EXISTING EQUIPMENT.

#### EQUIPMENT DESIGNATION

T1	480-208/120/240V 30A TRANSFORMER
T2	480-208/120V 15KVA TRANSFORMER
T3	480-208/120V 45KVA TRANSFORMER
PANEL H	480/277V 3P,4W 225A MLD PANEL
PANEL L	120/208V 3P,4W 100A MLD PANEL
PANEL L1	120/208V 3P,4W 125A MLD PANEL
PANEL A	120/208V 3P,4W



**1** **LOW VOLATGE PLAN**  
**SCALE: 1/4" = 1'-0"**

SCALE: 1/4" = 1'-0"



<b>PROJECT:</b>	
<b>GARAGE</b>	
<hr/>	
<b>PROJECT NO.</b>  <b>250239</b>	<b>DRAWN BY:</b>  <b>NYE</b>
<b>SCALE:</b>  <b>AS NOTED</b>	<b>CHECKED BY:</b>  <b>NYE</b>
<b>DATE:</b>  <b>10.21.2025</b>	<b>THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF:</b>  <b>NYE</b>

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING  
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SEARCH. REGISTRATION NO. - #

10.1007/s00332-010-9000-0

**SEAL** | **SEAL**

## KEY NOTES

(1) J-BOX FOR STOREFRONT SIGNAGE, LOCATE IN A CONCEALED BUT ACCESSIBLE LOCATION. CONNECT J-BOX TO SIGN, CONNECT THRU CONTACTOR (C1) AS SPECIFIED BY SIGN VENDOR FOR CONNECTION TO SIGN.

(2) J-BOX FOR BLADE SIGN, LOCATE IN A CONCEALED BUT ACCESSIBLE LOCATION. CONNECT J-BOX TO SIGN, CONNECT THRU CONTACTOR (C2), VERIFY WITH LANDLORD IF BLADE SIGN IS PERMITTED PRIOR TO ANY WORK.

(3) DOORBELL PUSH BUTTON (AT BACK DOOR), CONNECT TO BUZZER CIRCUIT ABOVE CASHWRAP AND STOCKROOM.

(4) PROVIDE DOUBLE DUPLEX RECEPTACLE WITH DEDICATED CIRCUIT FOR SENSORMATIC.

(5) PROVIDE CONDUIT AND WIRE FOR POWER TO CASHDESK, ROUTE CONDUITS AS SHOWN ON PLAN DOWN WALL OR COLUMN AND BY CORE DRILLING OR TRENCHING FLOOR AS REQUIRED BY LANDLORD, PATCH FLOOR AS REQUIRED BY LANDLORD, REFER TO CASHDESK VENDOR FOR CONDUIT AND LOCATION WITH FIXTURE INSTALLER, STRETCH CONDUIT TO JUNCTION BOX LOCATED IN CASHDESK. REFER TO SHEET E1.1, KEYNOTE 1.

(6) PROVIDE 20AMP DEDICATED GFCI DUPLEX RECEPTACLE TO BE MOUNTED A.F. TO COUNTERHEIGHT TO CENTER OF RECEPTACLE, COLOR TO MATCH WALL.

(7) RECEPTACLE MOUNTED IN WALL CENTERED FOR POSTER LIGHT BOX. PROVIDE DISCONNECT PER NEC.

(8) DUPLEX OUTLET PENDANT MOUNTED AT ± 17'-8" FOR FITTING RM LED LIGHT FIXTURE AND ± 10'-6" FOR CASHWRAP LED LIGHT FIXTURE. E.C. TO CONFIRM MOUNTING HEIGHT WITH FIXTURE VENDOR.

(9) PROVIDE DUPLEX RECEPTACLE MTD. ± 18" A.F.F. CENTER OF MIRROR FIXTURE FOR LED LIGHTS. COORDINATE WITH FIXTURE VENDOR FOR LOCATION, WIRE THRU LIGHTING CONTACTOR (C1) CONTROLLED BY SWITCH "S".

(10) RECEPTACLE MOUNTED IN THE CEILING FOR SHOW WINDOW. VIA CONTRACTOR (C2).

(11) PROVIDE 1" CONDUIT FROM LT. CABINET LOCATION TO ABOVE CEILING AT ENTRANCE, PROVIDE NYLON BUSHING AT OPENING ENDS OF CONDUIT, ATTACH CONDUIT TO STRUCTURE ABOVE. FIELD VERIFY EXACT LOCATION AND ROUTING TO AVOID CONFLICTS.

(12) QUAD RECEPTACLES MTD. ± 60" A.F.F. TO HAVE ISOLATED GROUND FOR LT. CABINET AND COMPUTER. PROVIDE 15AMP POWER BAR INSIDE THE LT. CABINET. REFER TO SHEET E1.1, KEYNOTE 1.

(13) EXISTING TELEPHONE BOARD AND ALARM BOX NOT USED.

(14) MOUNT DOORBELL BUZZERS CENTRALLY LOCATED IN STOCKROOM AND IN CASHWRAP AREA. CASHWRAP PROVIDE DOORBELL TRANSFORMER AT SAME LOCATION AS BUZZER IN STOCKROOM. VERIFY EXACT LOCATION IN FIELD.

(15) POWER REQUIREMENT AND JUNCTION BOX FOR WATER HEATER, VERIFY LOCATION CHART.

(16) EXISTING EXHAUST FAN TO REMAIN IN THE RESTROOM. E.C. SHALL COORDINATE THE EXACT LOCATION AND POWER REQUIREMENTS ON SITE. REPLACE IF FOUND INOPERABLE.

(17) MECHANICAL DEVICES SHALL BE INTERLOCKED WITH THE TIME CLOCK.

(18) VERIFY EXISTING VAV-3 IN FIELD. EXISTING CIRCUIT IS FEED FOR TENANT SPACE, IF NOT PROVIDE A NEW CIRCUIT.

(19) E.C. TO FIELD VERIFY THE EXISTING ELECTRICAL EQUIPMENT. REFER SHEET E3.0 FOR THE REFERENCE.

(20) EC TO COORDINATE EXACT LOCATION, LOCATION AND POINT OF CONNECTION FOR MOTORIZED DAMPER WITH THE MECHANICAL CONTRACTOR.

(21) PROVIDE (2) DUPLEX 15 AMP RECEPTACLES FOR FRIDGE, MOUNTED AT 18" AFF AND MICROWAVE MOUNTED AT 24" AFF.

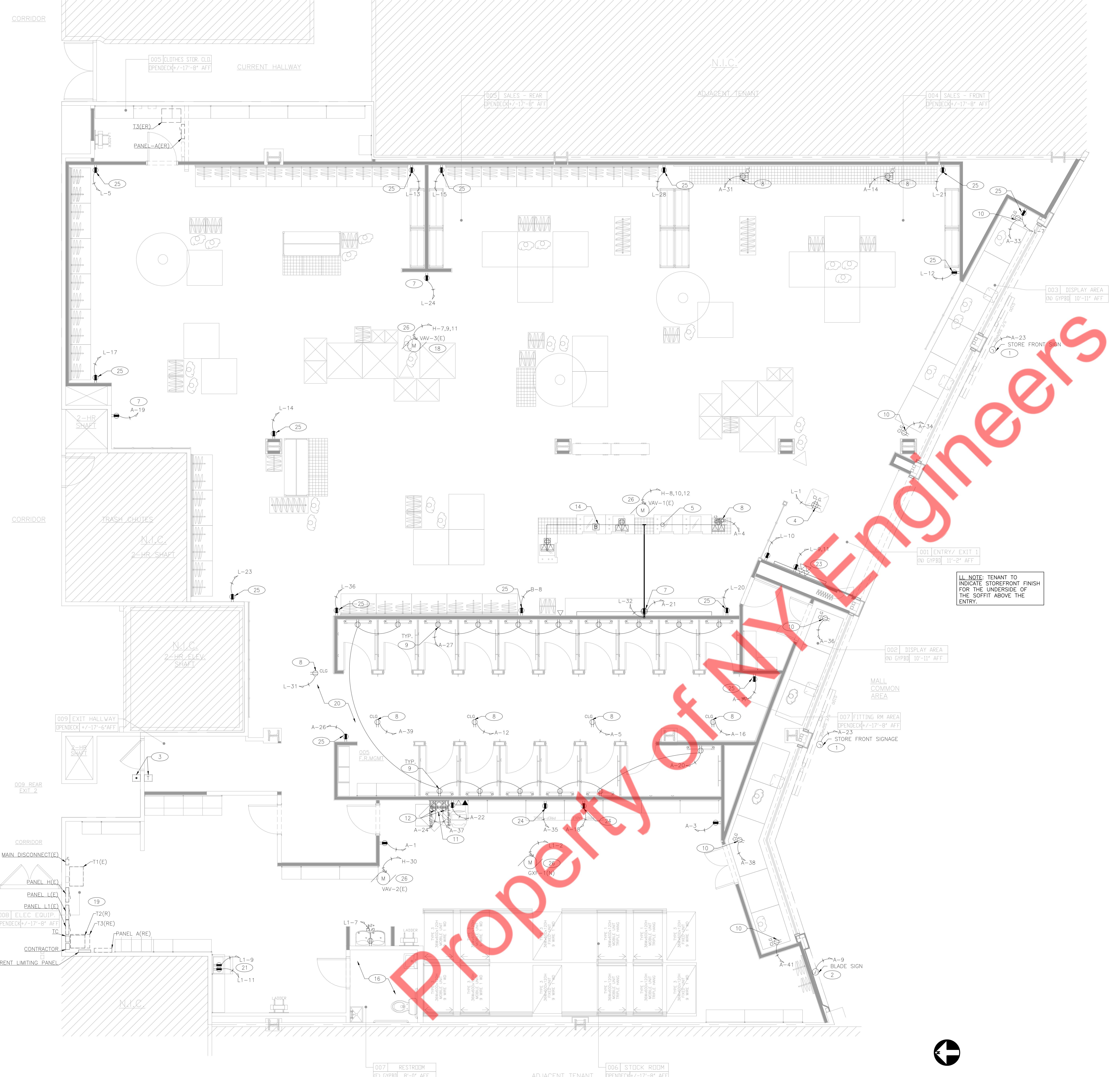
(22) PROVIDE DUPLEX RECEPTACLE MOUNTED AT CEILING FOR THE CASH LIGHTING, REFER TO LIGHTING PLAN ON SHEET E-1.0 FOR THE LIGHTING LOCATION.

(23) PROVIDE FLUSH MOUNTED NEMA 6-20R RECEPTACLE FOR LED SCREEN. REFER TO AIA FOR ELECTRICAL DATA AND POSITIONING FOR LED DISPLAY SCREEN.

(24) E.C. TO PROVIDE 20 AMP DEDICATED DUPLEX RECEPTACLE TO BE MOUNTED 18" A.F.F. SURFACE MOUNTED TO PLYWOOD FURNITURE.

(25) PROVIDE 20AMP DEDICATED GFCI DUPLEX RECEPTACLE TO BE MOUNTED A.F.F. ON THE BACK OF THE CASHDESK. REFER TO CASHDESK VENDOR FOR CONDUIT AND LOCATION.

(26) E.C. SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR THE EXACT LOCATION AND ELECTRICAL CONNECTION REQUIREMENT OF THE UNIT IN THE FIELD. PROVIDE CIRCUIT AND CONTROL AS REQUIRED.

1 ELECTRICAL POWER PLAN  
SCALE: 1/4" = 1'-0"

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DRAWING NAME:  
ELECTRICAL POWER PLAN

DRAWING NO.

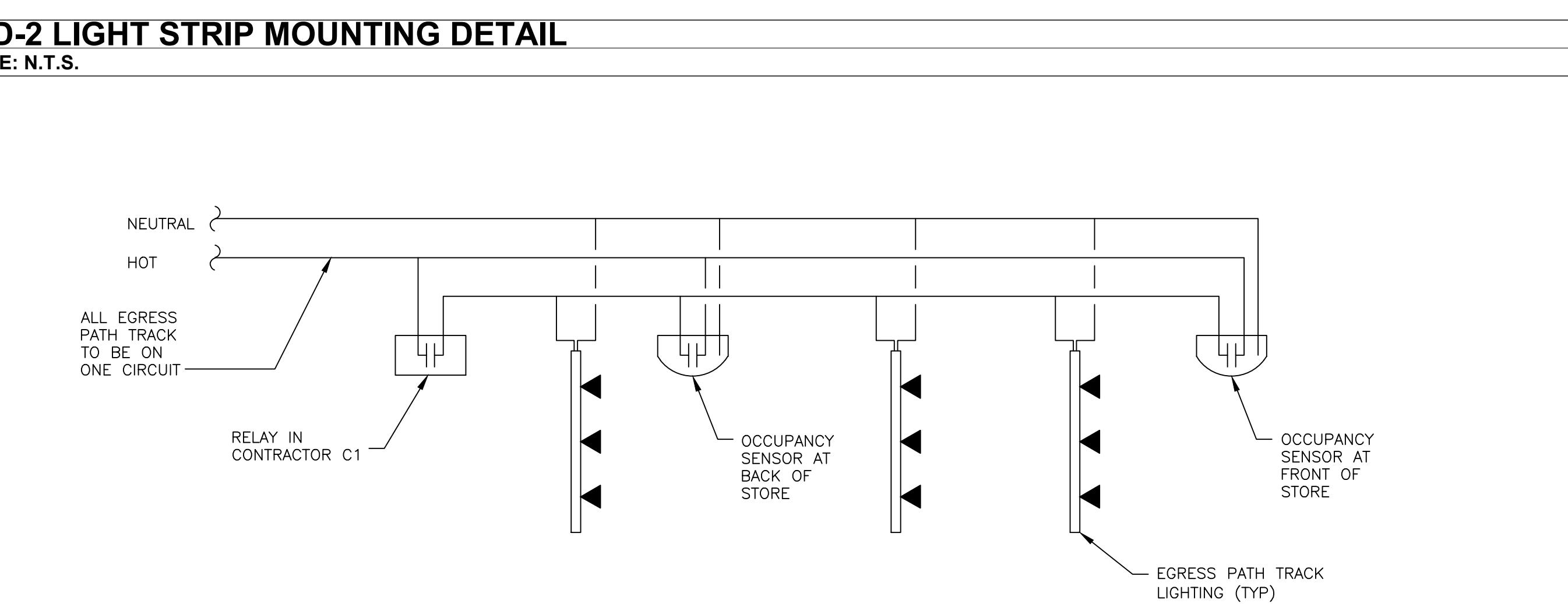
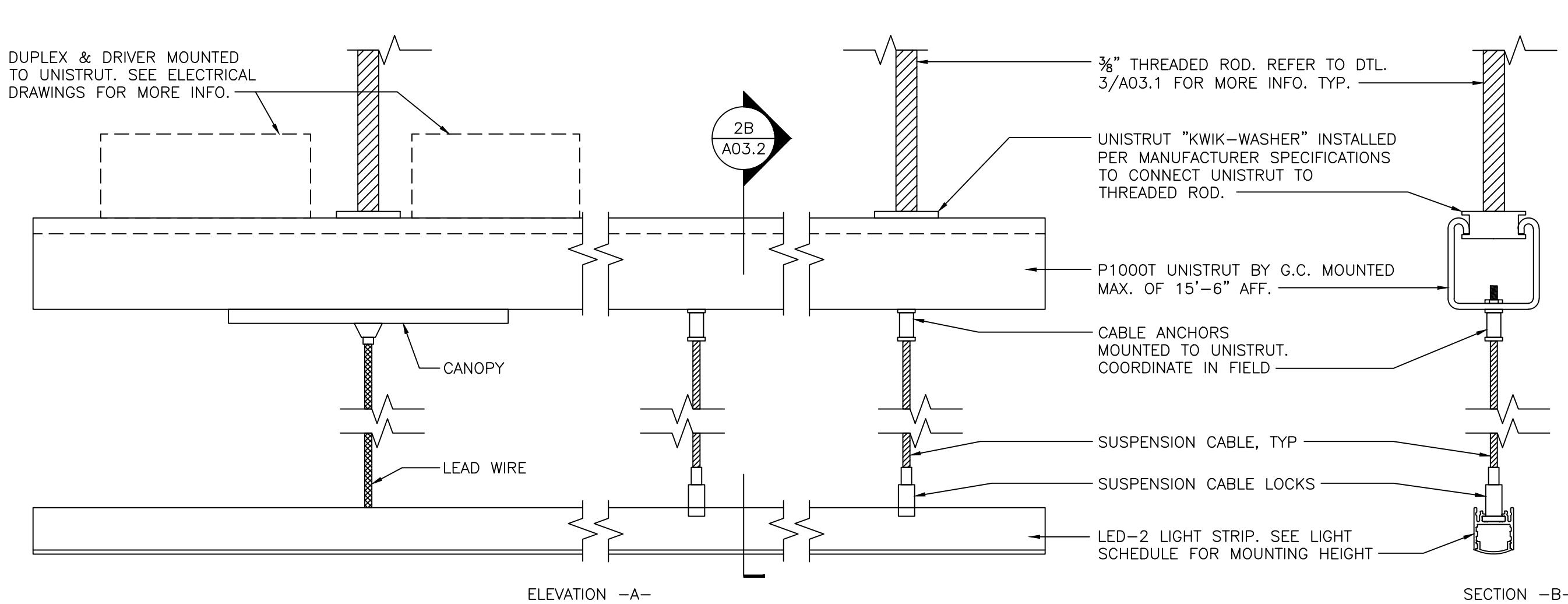
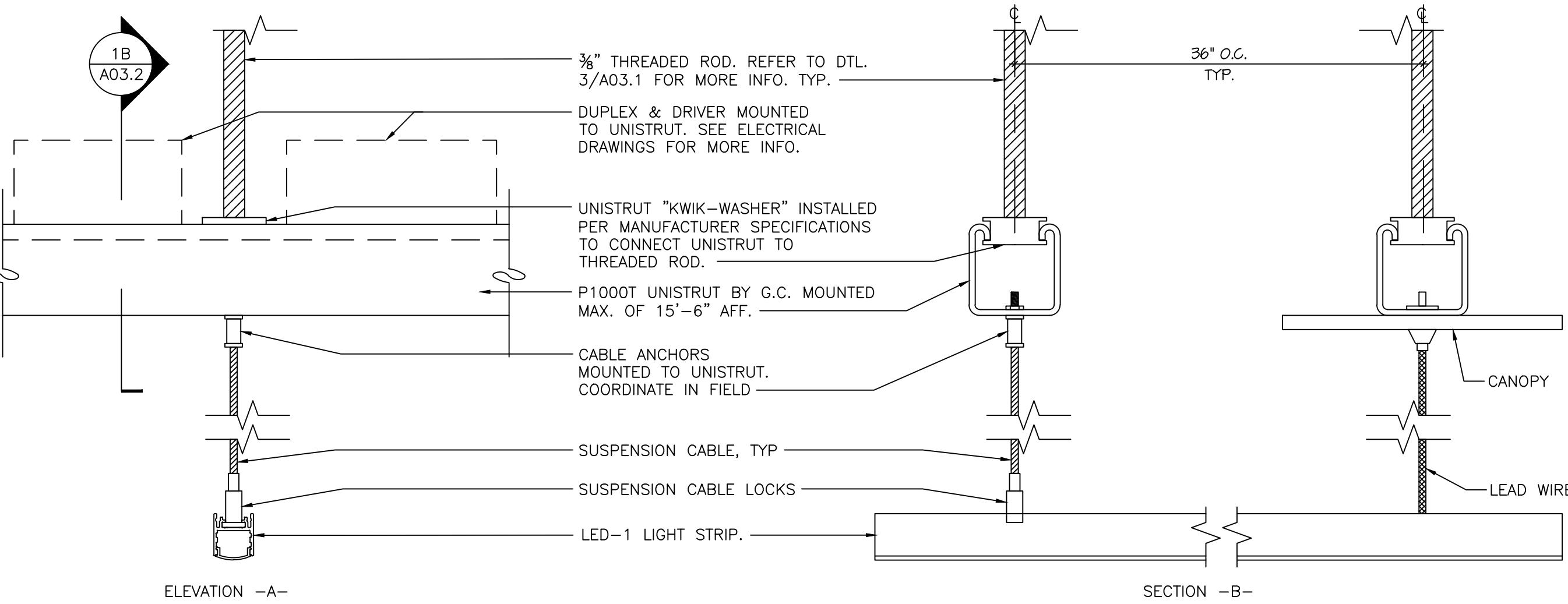
**E2.0**

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ARCH. REGISTRATION NO. - #

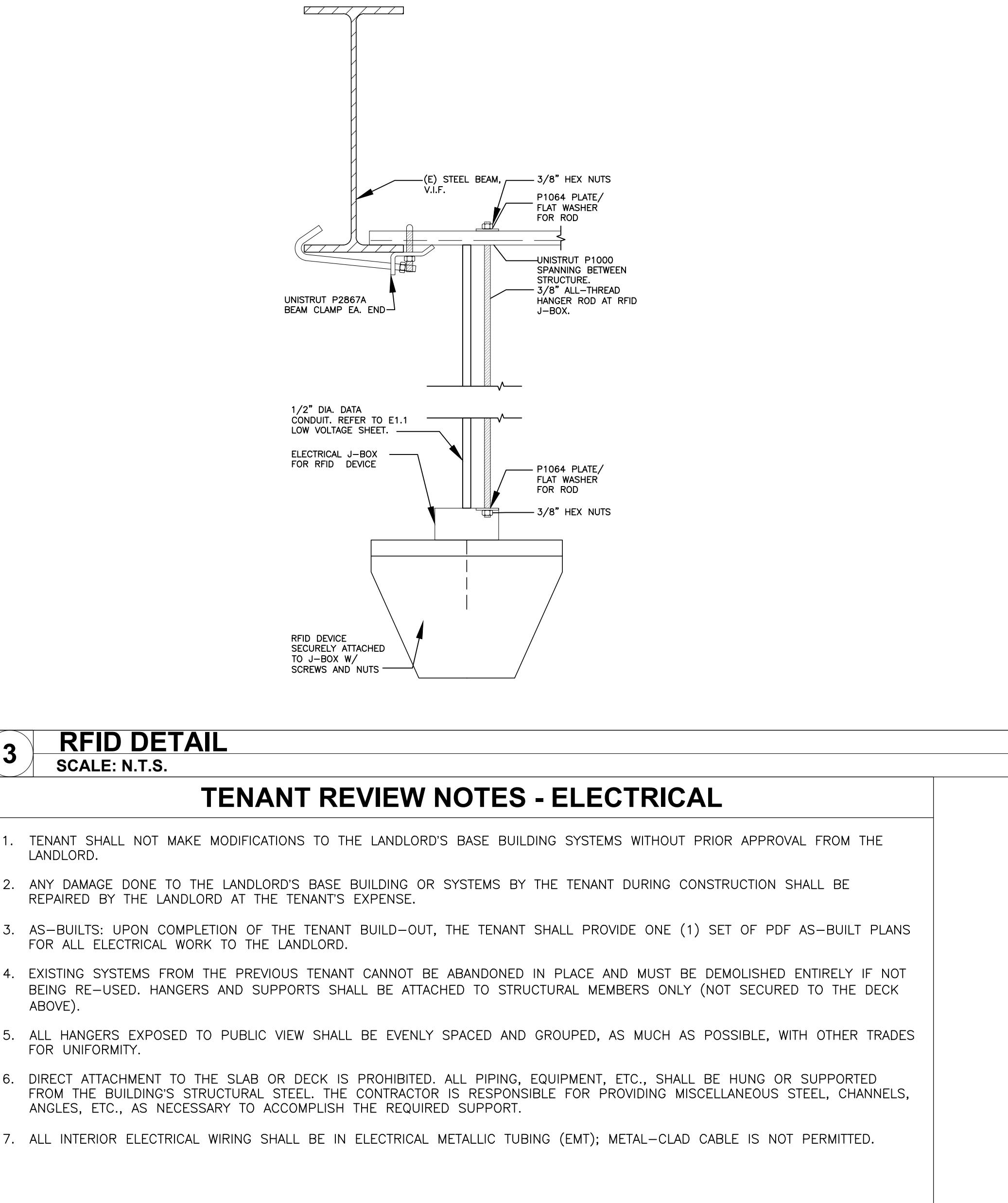
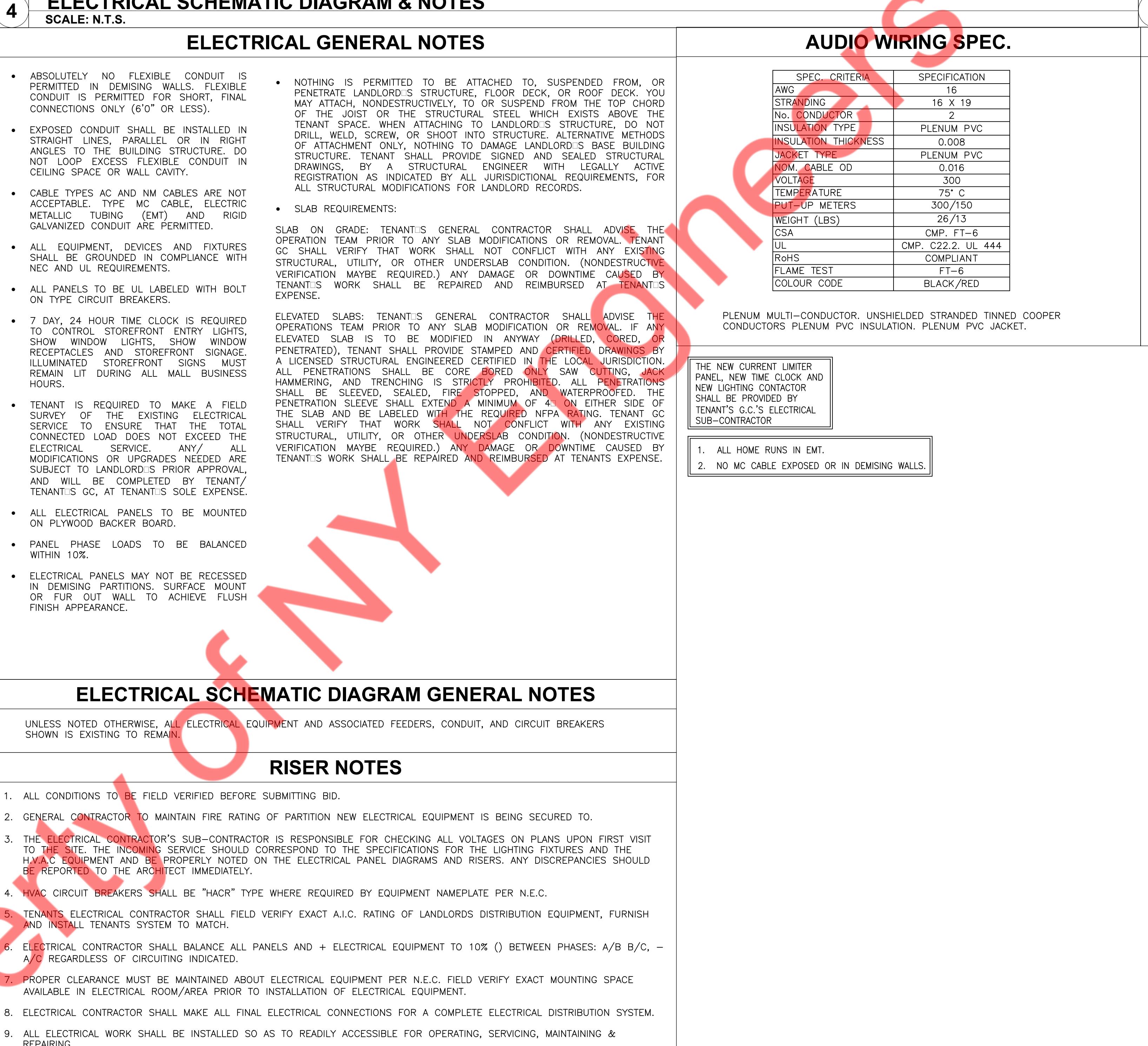
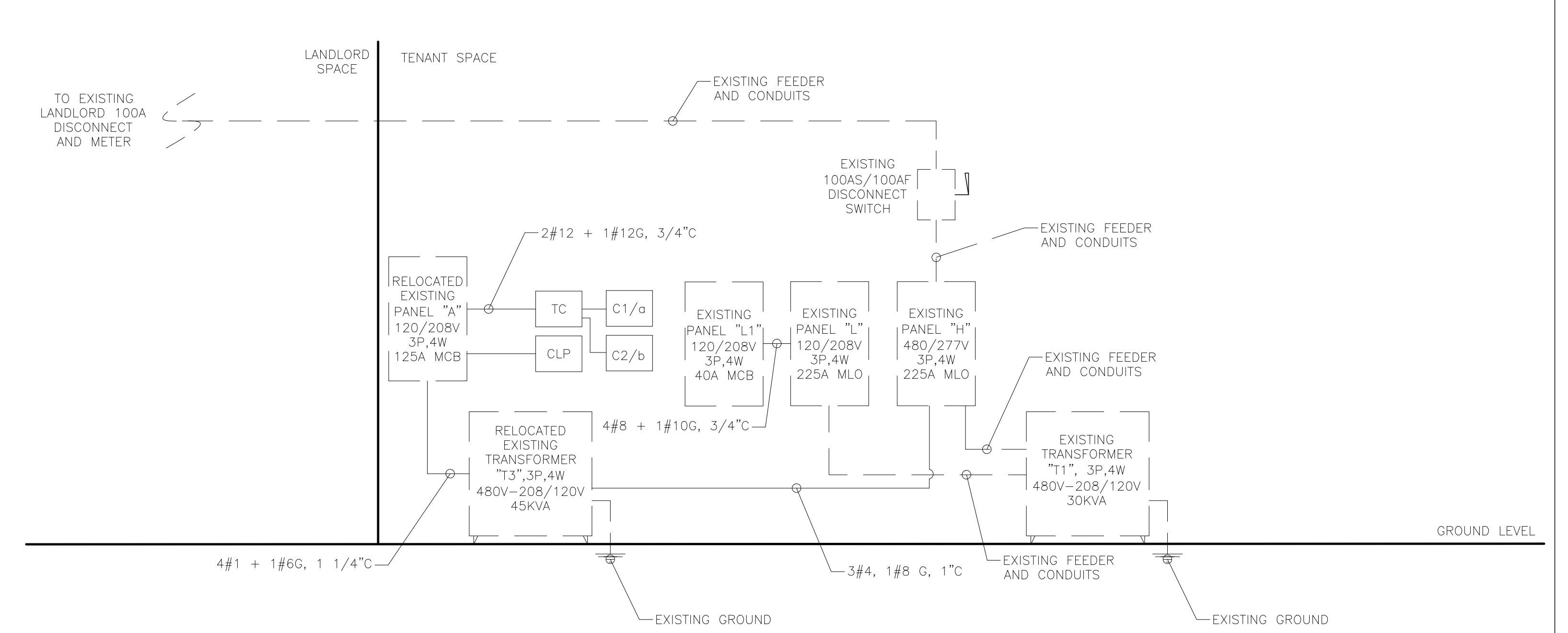
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SEQUENCE OF OPERATION:  
EGRESS PATH TRACK TO SWITCH ON AND OFF WITH CONTRACTOR C1. EGRESS PATH TRACK TO SWITCH ON BY OCCUPANCY SENSOR AT FRONT OR BACK OF STORE WHEN MOTION IS SENSED REGARDLESS OF STATE OF CONTRACTOR C1.

NOTE:  
DIAGRAM IS TYPICAL AND DOES NOT SHOW ALL FIXTURES AND DEVICES. REFER TO PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.



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DRAWING NAME:	ARCH. REGISTRATION NO. - #
ELECTRICAL NOTES & SCHEMATICS	
DRAWING NO.	
E3.0	
SEAL	SEAL

PANEL:	H	(EXISTING)							MOUNTING: SURFACE				
480Y/277 VOLTS	3	PHASE	-	-	-	DEMAND LOAD (in kVA)	42.64	PANEL LOCATION: ELECTRICAL ROOM					
225 AMPS	4	WIRE	-	-	-	DEMAND CURRENT (in Amps)	51.35	FED FROM: HOUSE METER					
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	NOTES	PER PHASE (KVA)	NOTES	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.	
1	60/3P	TRANSFORMER-T3(45KVA)(RE)	O	11.42	3#12+1#12G, 3/4" C	11.42			SPACE		2		
3			O	11.42					SPACE		4		
5			O	11.42		11.42			SPACE		6		
7	20/3P	VAV-3(E)			S.A.E	2.80	O	2.80	O	TRANSFORMER-T1 (30KVA)(E)	40/3P	8	
9						2.80	O	2.80	O			10	
11						2.80	O	2.80	O			12	
13		SPACE				0.00				VAV-1(E)	20/3P	14	
15		SPACE				0.00					20/1P	16	
17		SPACE				0.00					20/1P	18	
19		SPACE				0.00				SPARE	20/1P	20	
21		SPACE				0.00				SPARE	20/1P	22	
23		SPACE				0.00				SPARE	20/1P	24	
25		SPACE				0.00				SPARE	20/1P	26	
27		SPACE				0.00				SPARE	20/1P	28	
29		SPACE				0.00				S.A.E	VAV-2(E)	20/1P	30
						14.21	14.21	14.21					

PANEL:	L	(EXISTING)							MOUNTING: SURFACE			
208Y/120 VOLTS	3	PHASE	-	-	-	DEMAND LOAD (in kVA)	8.39	PANEL LOCATION: ELECTRICAL ROOM				
225 AMPS	4	WIRE	-	-	-	DEMAND CURRENT (in Amps)	23.32	FED FROM: T1 TRANSFORMER				
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	NOTES	PER PHASE (KVA)	NOTES	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.
1	20/1P*	SENSORMATIC	R	0.54	2#12+1#12G, 3/4" C	0.54		O			2	
3	20/1P*	EF-1.1(E)	M	0.20	2#12+1#12G, 3/4" C	0.20		O			4	
5	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.18		O			6	
7	20/1P*	DISPLAY AREA RECEPTACLES	R	0.18	2#12+1#12G, 3/4" C	0.36		2#12+1#12G, 3/4" C	R	SALES RECEPTACLES	20/1P*	8
9	20/2P	VID SCREEN	L	0.50	2#12+1#12G, 3/4" C	0.68		2#12+1#12G, 3/4" C	R	FRONT ENTRY RECEPTACLE	20/1P*	10
11			L	0.50		0.68		2#12+1#12G, 3/4" C	R	SALES RECEPTACLES	20/1P*	12
13	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.36		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	14
15	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	16
17	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	18
19	20/1P*	SPARE				0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	20
21	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	22
23	20/1P*	SALES RECEPTACLE	R	0.18	2#12+1#12G, 3/4" C	0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	24
25	20/1P*	SPARE				0.00		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	26
27	20/1P*	SPARE				0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	28
29	20/1P*	BATTERY UNIT	O	0.40	2#12+1#12G, 3/4" C	0.40		2#12+1#12G, 3/4" C	R	CASHDESK RECEPTACLE	20/1P*	30
31	20/1P*	SPARE				1.08		2#12+1#12G, 3/4" C	R	CASHDESK RECEPTACLE	20/1P*	32
33	20/2P	SPARE				0.00		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	34
35						0.18		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	36
37			O	0.78		0.78		2#12+1#12G, 3/4" C	R	SALES RECEPTACLE	20/1P*	38
39	40/3P	PANEL-L1	O	0.78		0.78		S.A.E	O	SPARE	20/1P*	40
41			O	0.78		0.78		S.A.E	O	HW	20/1P*	42
						3.30	2.20	2.58				

PANEL:	L1	(EXISTING)							MOUNTING: SURFACE			
208Y/120 VOLTS	3	PHASE	-	-	-	DEMAND LOAD (in kVA)	2.35	PANEL LOCATION: ELECTRICAL ROOM				
125 AMPS	4	WIRE	-	-	-	DEMAND CURRENT (in Amps)	6.53	FED FROM: PANEL-A				
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	NOTES	PER PHASE (KVA)	NOTES	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.
1			O		3#8+1#10G, 3/4" C	0.37	2#12+1#12G, 3/4" C	0.37	M	GXF-1(N)	15/1P	2
3	40/3P*	MAIN	O			0.00				SPARE	20/1P*	4
5			O			0.00				SPARE	20/1P*	6
7	20/1P*	WATER FOUNTAIN	E	0.50	2#12+1#12G, 3/4" C	0.50				SPARE	20/1P*	8
9	20/1P*	MICROWAVE	E	1.20	2#12+1#12G, 3/4" C	1.20				SPARE	20/1P*	10
11	20/1P*	REFRIGERATOR	E	1.20	2#12+1#12G, 3/4" C	1.20				SPARE	20/1P*	12
13	20/1P*	SPARE				0.00				SPARE	20/1P*	14
15	20/1P*	SPARE				0.00				SPARE	20/1P*	16
17		SPACE				0.87	1.20	1.20				18

CONDITION LEGENDS		GENERAL NOTES	





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## ELECTRICAL NOTES

**I. GENERAL REQUIREMENTS**

**1. GENERAL CONDITIONS:** ALL CONDITIONS AND REQUIREMENTS UNDER THE "GENERAL CONDITIONS", THE "SUPPLEMENTARY GENERAL CONDITIONS", THE "SPECIAL CONDITIONS" SHALL BECOME A PART OF THIS SPECIFICATION AND BIDDERS WILL EXAMINE ALL DRAWINGS AND READ ALL PARTS OF THE SPECIFICATIONS TO AVOID OMISSIONS, DUPLICATIONS AND TO INSURE COMPLETE EXECUTION OF ALL WORK FOR ELECTRICAL.

**2. GENERAL:** THE WORK UNDER THIS SECTION SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT AND INCIDENTAL COSTS NECESSARY TO FURNISH AND INSTALL ALL ELECTRICAL WORK, EQUIPMENT, LAMPS, ETC., INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN, OR BOTH.

**A. THE ELECTRICAL SUBCONTRACTORS QUOTING ON THEIR SPECIFIC SCOPE OF WORK SERVICES TO CONTACT THE LOCAL BUILDING DEPARTMENT/AGENCY TO DISCUSS GENERAL CODE ISSUES/DISCREPANCIES REGARDING THEIR SERVICES AND THE QUOTE ASSOCIATED WITH THE SERVICES TO THE GENERAL CONTRACTOR FOR THIS PROJECT, THIS CONTRACTOR TO BE FAMILIAR WITH THE SITE WHERE SUCH SERVICES/WORK WILL BE PERFORMED, THIS SPECIFIC USE AND THE IDIOSYNCRASIES ASSOCIATED WITH THE LIFE, SAFETY AND HEALTH ASSOCIATED WITH THIS WORK AND TO INDICATE ON THE QUOTE ANY ITEMS REQUIRED THAT ARE NOT NECESSARILY SHOWN ON THE DRAWINGS/SPECIFICATIONS.**

**3. THE TENANT'S GENERAL CONTRACTOR AND/OR HIS ELECTRICAL SUBCONTRACTOR IS TO VERIFY ALL EQUIPMENT SPECIFICATIONS AND REQUIREMENTS WITH THE TENANT OR THE TENANT'S CONSTRUCTION REPRESENTATIVE PRIOR TO START OF CONSTRUCTION, THIS CONTRACTOR TO VERIFY AMPERAGE AND VOLTAGE SPECIFICATIONS AND REQUIREMENTS (SERVICE AND PANEL SPECIFICATION) WITH THE ELECTRICAL SUBCONTRACTOR IN COORDINATION WITH EQUIPMENT SPECIFICATIONS FOR EQUIPMENT SUPPLIED BY THE TENANT, THE CONTRACTORS OR OTHER SOURCES (AS SPECIFIED BY THE ARCHITECT) AS A DOUBLE CHECK TO ASCERTAIN PROPER INSTALLATION OF EQUIPMENT AT THE CORRECT VOLTAGE/AMPERAGE.**

**A. THE ELECTRICAL SUBCONTRACTOR IS REQUIRED TO VISIT THE SITE DURING BIDDING AND VERIFY LOCATIONS OF WHERE THE ELECTRICAL EQUIPMENT/PIPELINE IS INDICATED TO BE PLACED IN OR AN EXISTING SERVICE AND WHAT IS INDICATED TO BE INSTALLED OR "EXISTING TO REMAIN" AND IF NEW SERVICE IS INDICATED TO VERIFY DIFFERENT THAN THE DRAWINGS, SIZE OF FEEDER PIPES, REQUIRED DISTANCES AND POSSIBLE ADDITIONAL WORK REQUIRED AT THE ELECTRICAL DISTRIBUTIONS ROOM, ANY DISCREPANCIES BETWEEN DESIGNED AND ACTUAL TO BE TOLD TO THE GENERAL CONTRACTOR AND BE INDICATED ON THE BID FORM.**

**4. THE T.G.C. IS RESPONSIBLE FOR OBTAINING APPROVAL FROM THE BUILDING AND ELECTRICAL INSPECTORS FOR ALL CONCEALED WORK PRIOR TO CLOSING UP WALLS, FLOORS AND CEILINGS.**

**5. T.G.C. SHALL BRING IN ALL ADDITIONAL SERVICES, ADEQUATE FOR TENANT'S NEEDS AS REQUIRED, INCLUDING BUT NOT LIMITED TO ELECTRIC, SPRINKLER, SOIL (WASTE), DOMESTIC WATER LINES, OUTSIDE TOILET EXHAUST AIR AND FIRE ALARM.**

**6. SCOPE: FURNISH LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC., REQUIRED FOR A COMPLETE INSTALLATION OF ELECTRICAL SYSTEMS AND WORK, IN ACCORDANCE WITH LOCAL CODES AND GOVERNING BODIES HAVING JURISDICTION, AS SHOWN ON DRAWINGS, AND AS SPECIFIED, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:**

**A. NEW SERVICE -- T.G.C. IS TO REUSE EXISTING ELECTRICAL SERVICE OR CONDUIT ONLY; FURNISH AND INSTALL NEW ELECTRICAL SERVICE WIRE AND EXTEND BOTH CONDUIT AND WIRE TO POINT OF ALL NEW PANELS, TRANSFORMERS, WIREWAYS, THROUGHS, TIME CLOCKS, ETC., SINCE SPACE MAY OR MAY NOT BE MEASURED OR REWEEDED. THE ACTUAL CONTRACTOR TO FURNISH THE NEW ELECTRICAL SUBCONTRACTOR, IN REVIEW OF THE PREMISES, IS REQUIRED TO INSTALL PANELS IN LOCATION AS NOTED ON DRAWINGS AND MUST INCLUDE, IN HIS BID, ANY EXTENSION OF CONDUIT AND WIRE, NEW DISCONNECTS, RELOCATION OF INSTALLATION OF PANELS, TROUGHS, WIREWAYS, ETC., TO MAKE THE SYSTEM WHOLE AND TO UPGRADE AS NECESSARY TO MEET CODE REQUIREMENTS. INSTALL NEW SERVICE INCLUDING CONDUIT AND WIRE FROM DEMISED PREMISES TO LANDLORD'S ELECTRICAL ROOM IF THE EXISTING SERVICE NEEDED TO BE MOVED OR RELOCATED FROM WHAT TENANT WAS ORIGINALLY TOLD SERVICE WOULD BE, OR THE SERVICE NEEDS TO BE MOVED BECAUSE IT'S EITHER SHOWN TO BE MOVED OR IS EXISTING NOW IN THE PATH OF FUTURE PARTITION OR OTHER SERVICES.**

**B. EXISTING SERVICE -- T.G.C. IS TO REUSE EXISTING ELECTRICAL SERVICE WIRE, CONDUIT AND ELECTRICAL EQUIPMENT; CUT AND EXTEND TO POINT OF NEW ELECTRICAL EQUIPMENT, ALL EXISTING ELECTRICAL EQUIPMENT WHICH IS REUSED TO BE BROUGHT UP TO "LIKE NEW" CONDITION AND THE LATEST N.E.C. STANDARD. SPACE MAY OR MAY NOT BE MEASURED OR REWEEDED BY TENANT'S ARCHITECT, THE ACTUAL CONTRACTOR TO FURNISH AND PANEL LOCATIONS MAY NOT BE KNOWN. THE ELECTRICAL SUBCONTRACTOR, IN REVIEW OF THE PREMISES IS REQUIRED TO INSTALL PANELS IN LOCATION AS NOTED ON DRAWINGS AND MUST INCLUDE IN HIS BID ANY EXTENSION OF CONDUIT AND WIRE, NEW DISCONNECTS, RELOCATION OR INSTALLATION OF PANELS, TROUGHS, WIREWAYS, ETC., TO MAKE SYSTEM WHOLE AND TO UPGRADE AS NECESSARY TO MEET CODE REQUIREMENTS. INSTALL NEW SERVICE INCLUDING CONDUIT AND WIRE FROM DEMISED PREMISES TO LANDLORD'S ELECTRICAL ROOM IF THE EXISTING SERVICE NEEDS TO BE MOVED OR RELOCATED FROM WHAT TENANT WAS ORIGINALLY TOLD SERVICE WOULD BE, OR THE SERVICE NEEDS TO BE MOVED BECAUSE IT'S EITHER SHOWN TO BE MOVED OR IS EXISTING NOW IN THE PATH OF FUTURE PARTITION OR OTHER SERVICES. IF SERVICE IS ADEQUATE BUT MUST BE RELOCATED, CUT AND EXTEND EXISTING WIRE AND CONDUIT TO POINT OF ALL NEW PANELS, DISCONNECTS, TROUGHS, TIME CLOCKS, ETC.**

**C. POWER DISTRIBUTION SYSTEMS AND TRANSFORMER.**

**D. LIGHTING SYSTEMS (ALSO SEE REFLECTED CEILING PLAN).**

**E. ELECTRICAL ENERGIZING - MISCELLANEOUS FAN AND MOTOR.**

**F. MOTOR POWER WIRING SYSTEM.**

**G. TELEPHONE EMPTY CONDUIT SYSTEM (INCLUDING TERMINAL BOXES AND OUTLETS).**

**H. CONVENIENCE RECEPTACLE SYSTEM, DOOR ALARM / ENTRY SYSTEM / SECURITY.**

**I. SOUND SYSTEM, INTERCOM SYSTEM - FURNISHED AND INSTALLED BY THIS CONTRACTOR IF REQUIRED BY CLIENT; EMERGENCY LIGHT SYSTEM AND BATTERIES FURNISHED BY CLIENT AND INSTALLED BY THIS CONTRACTOR.**

**J. GROUNDING IN ACCORDANCE WITH NATIONAL ELECTRIC CODE AND ALL MALL REQUIREMENTS.**

**K. NIGHT LIGHT CIRCUITING THROUGHOUT PREMISES AS PER CODE WHETHER SHOWN OR NOT ON DRAWINGS.**

**L. LOCK OUTS FOR EXIT / EMERGENCY LIGHTING, ALARM SYSTEMS, CASH REGISTERS, GRILLE AT ENTRY (IF APPLICABLE) AS REQUIRED, SEE PANEL SCHEDULE FOR CIRCUITS.**

**M. SMOKE DETECTORS FURNISHED AND INSTALLED WITHIN STORE TO INCLUDE LOCATIONS AND INTERNAL / EXTERNAL WIRING IF REQUIRED BY LANDLORD OR FIRE MARSHAL.**

**N. ELECTRICAL SUBCONTRACTOR, WHEN BIDDING THIS WORK, TO CHECK TO MAKE SURE THAT SERVICE WIRE, CONDUIT, DISCONNECTS, ETC., ARE ADEQUATE FOR TENANT'S NEEDS -- IF ADDITIONAL SERVICE IS REQUIRED, INCLUDE NEW CONDUIT AND SERVICE FEED OR DISCONNECTS, METER BASE AND METER (IF APPLICABLE), ETC., TO BRING SUCH SERVICE UP TO TENANT'S NEEDS.**

**O. FURNISH AND INSTALL ALL CONDUIT AND WIRING, DISCONNECTS, BREAKERS, BALANCING OF LOADS, ETC. FOR HOOKUP OF ALL H.V.A.C. EQUIPMENT, UNIT(S), OR INLINE HEATERS WHETHER SUCH HEATERS OR EQUIPMENT / UNITS ARE SHOWN OR NOT.**

**P. FURNISH AND INSTALL A TWENTY FOUR (24) HOUR, SEVEN (7) DAY, TIME CLOCK INCLUDING ALL INTEGRAL WIRING AND LOAD BALANCING (PANEL) FOR CONTROLLING THE STOREFRONT SIGN AND SHOW WINDOW LIGHTING, WHETHER SUCH WORK IS OR IS NOT SHOWN ON PLANS / OR SPECIFICATIONS.**

**Q. ALL ELECTRICAL ROUGH-IN TO BE NEW AND THE ORIGINAL SERVICES TO THE DEMISED PREMISES TO BE REUSED; CUT AND EXTEND TO POINT OF ALL NEW ELECTRICAL EQUIPMENT (IF ANY EQUIPMENT REUSED, UPGRADE SAME TO "LIKE NEW" CONDITION AND THE LATEST N.E.C. STANDARDS) BY THE TENANT'S CONTRACTOR UNLESS NOTED OTHERWISE ON DRAWINGS. TENANT'S CONTRACTOR TO FURNISH AND SET UP VERTICAL UTILITY LINES ARE OR ADJACENT TO TENANT'S SPACE AS NOTED AND THE SIZE SPECIFIED IF THE UTILITIES ARE NOT IN LOCATIONS AS NOTED ON THE DRAWINGS OR OF A SIZE LARGER OR SMALLER THAN NOTED, THIS CONTRACTOR IS TO NOTIFY THE TENANT'S ARCHITECT IMMEDIATELY.**

**R. THE TENANT'S ELECTRICAL SUBCONTRACTOR IS TO PROVIDE A NEW CIRCUIT DIRECTORY(S) WITH PROPER PHASING AND BALANCING, WHICH IS TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND UNDERWRITER'S CODE.**

**S. THE SIGN(S) JUNCTION BOX PERMIT IS TO BE INCLUDED IN THE WORK FOR THE ELECTRICAL SUBCONTRACTOR AND THE BOX IS TO BE SUPPLIED BY THIS CONTRACTOR AND PROPERLY WIRE FOR THE SIGN(S).**

**T. FURNISH AND INSTALL NEW (OR REFURBISH IF EXISTING) TOILET EXHAUST WITH ASSOCIATED DUCTWORK, ROOF PENETRATIONS, OR HOOK UP TO COMMON EXHAUST DUCT WITH BACKDRAFT DAMPER ETC., INCLUDING ASSOCIATED ELECTRICAL HOOKUP AND PANEL CONNECTIONS, WHETHER SUCH WORK IS SHOWN OR NOT SHOWN ON PLANS AND SPECIFICATIONS.**

**U. IF A SMOKE EVACUATION AND/OR DETECTION SYSTEM OCCURS IN THIS SPACE, IT SHALL BE LEFT INTACT DURING CONSTRUCTION AND ANY NEW WORK, MODIFICATIONS AND/OR REWEEING TO BE COMPLETED DURING CONSTRUCTION PHASE TO POINT OF NEW PANELS, WHETHER SHOWN OR NOT SHOWN ON PLANS AND SPECIFICATIONS.**

**V. ENGINEER, FURNISH AND INSTALL ANY AND ALL REQUIRED SMOKE EVACUATION, SMOKE DETECTION AND FIRE ALARM SYSTEMS, INCLUDING ANY AND ALL PARTS AND LABOR, TO MEET LOCAL CODE, LANDLORD REQUIREMENTS AND FIRE MARSHAL SPECIFICATIONS WHETHER SHOWN OR NOT SHOWN ON PLANS AND SPECIFICATIONS.**

**W. THE T.G.C. AND / OR ELECTRICAL SUBCONTRACTOR IS TO INSTALLED EMERGENCY AND EXIT LIGHTING, AS REQUIRED BY LOCAL CODE OR AGENCIES HAVING JURISDICTION OVER THE PROJECT. THE EXIT / EMERGENCY LIGHTING SHOULD BE PROPERLY LABELED AND APPROVED TYPE LOCKOUTS INSTALLED.**

**X. SUBSTITUTIONS: CATALOG AND MANUFACTURER'S NUMBERS IN THIS SECTION AND ON THE DRAWINGS ARE FOR THE PURPOSE OF ESTABLISHING STANDARDS OF QUALITY AND TYPE OF MATERIALS TO BE USED. PRODUCTS OR OTHER MANUFACTURERS MAY BE USED IF SIMILAR AND EQUAL IN QUALITY AND DESIGN IN THE OPINION OF THE OWNER OR OWNER'S ARCHITECT AND ARE SPECIFICALLY APPROVED BY THE OWNER OR OWNER'S ARCHITECT IN WRITING, PRIOR TO CLOSE OF BIDDING. REQUESTS FOR APPROVAL OF SUBSTITUTIONS SHALL BE IN WRITING, AND SHALL INCLUDE REPORTS OF TESTS, PERFORMANCE DATA OR OTHER PROOF OF EQUALITY TO THE ITEM SPECIFIED.**

**Y. SHOP DRAWINGS: PRIOR TO THE COMMENCEMENT OF WORK, SUBMIT ONE (1) SET OF THE FOLLOWING ITEMS TO THE OWNER'S ARCHITECT IN THE FORM OF SHOP DRAWINGS, DETAILS OR CATALOG CUTS FOR THE RECORD: LIGHTING AND POWER PANELS, WIRING DEVICES, SAFETY SWITCHES, TRANSFORMER, TIME CLOCKS AND ANY OTHER ITEMS AS REQUESTED BY THE OWNER OR THE OWNER'S ARCHITECT.**

**Z. WORKMANSHIP:**

**U. USE EXPERIENCED, WELL QUALIFIED CRAFTSMEN, IN GOOD STANDING WITH THEIR RESPECTIVE LABOR UNIONS.**

**V. USE CAPABLE AND EXPERIENCED SUPERINTENDENTS, AUTHORIZED BY THE CONTRACTOR TO INSTRUCT WORK, MAKE JOB DECISIONS AND ACT FOR THE CONTRACTOR IN ALL MATTERS PERTAINING TO THE CONTRACT.**

**W. PERMITS, TESTS AND INSPECTIONS:**

**A. APPLY FOR, SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, LICENSES AND ROYALTIES TO ACCOMPLISH THE WORK.**

**B. APPLY FOR, SECURE AND PAY FOR ALL REQUIRED TESTS AND INSPECTIONS TO ACCOMPLISH THE WORK IN**

**C. CONFORMANCE WITH ALL CODES AND JURISDICTIONS.**

**D. FURNISH SIGNED CERTIFIED AND ACCEPTABLE COPIES OF ALL ITEMS COVERED IN (A) AND (B) ABOVE TO THE OWNER FOR HIS RECORDS.**

**E. COMPLY WITH RULES AND REGULATIONS OF JURISDICTIONAL AUTHORITIES AND MALL OR LEASE SPECIFICATIONS AND REPORT ANY DEVIATIONS ON DRAWINGS TO OWNER.**

**F. GROUNDING FITTINGS FOR EXPOSED WORK, THREADED FOR CONDUIT CONNECTIONS AND PROVIDE WITH SUITABLE COVERS.**

**G. THE OUTLETS FOR LOCAL SWITCHES SHALL BE INSTALLED ADJACENT TO THE TRIM ON THE STRIKING SIDE OF THE DOOR, REGARDLESS OF THE LOCATIONS INDICATED ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION CONDUIT AND OUTLETS.**

**H. GROUNDING:**

**A. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING THE FOLLOWING ITEMS, SHALL BE PROPERLY GROUNDED.**

**B. ALL CASH REGISTER OUTLETS TO BE ISOLATED AND SEGREGATED.**

**C. PANEL SECTIONS SHALL BE SUCH THAT NO LIVE PARTS ARE EXPOSED AFTER INSTALLATION. THEY SHALL BE SO ARRANGED THAT EACH BREAKER IS READILY REMOVABLE FROM THE PANEL WITHOUT DISTURBING ADJACENT BREAKERS. ELECTRICAL CONTRACTOR TO PROVIDE TYPED BREAKER LIST.**

**D. PHASE LEGS SHALL BE ALTERNATELY BUSSSED TO EACH CIRCUIT BREAKER IN A MANNER TO AFFECT BALANCING THE BRANCH CIRCUIT CONNECTIONS AS NEARLY AS POSSIBLE OVER EACH PHASE.**

**E. DRY TYPE TRANSFORMERS (IF NEW IS REQUIRED):**

**A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DRY TYPE AIR COOLED INDOOR POWER TRANSFORMER, AS RATED ON THE DRAWINGS AND HEREINAFTER SPECIFIED.**

**B. THE TRANSFORMER SHALL BE PROVIDED WITH SUITABLE VIBRATION DAMPERS. SAME TO BE PLACED BETWEEN THE CORE AND THE COILS OF THE ENCLOSURE.**

**C. THE TRANSFORMER SHALL HAVE CLASS H INSULATION, AND THE WIRING TEMPERATURE RISE SHALL NOT EXCEED 150 DEGREES C. UNDER FULL LOAD IN AN AMBIENT OF 40 DEGREES C.**

**D. THE TRANSFORMER ENCLOSURE SHALL BE PRIMED INSIDE AND OUT WITH A ZINC COATED CHROMATE IRON OXIDE RUST INHIBITING PRIMER AND FINISHED ASAG1 GRAY ENAMEL.**

**E. THE MAXIMUM ACCEPTABLE NOISE LEVEL SHALL NOT EXCEED 42 DB OVER THE FOLLOWING: 0 TO 150 KVA - 42 DB**

**F. LIGHTING FIXTURES:**

**A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE SUPPLIED BY THE T.G.C. AND / OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER UNLESS OTHERWISE NOTED, AND SHALL BE DELIVERED, HANDLED, ASSEMBLED AND INSTALLED AT THE SITE BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNLOADING, STORAGE AND PROTECTION OF ALL ITEMS FOUND TO BE DEFECTIVE AND SHALL BE REPLACED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.**

**B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL THE NECESSARY LABOR AND MATERIALS FOR THE COMPLETE INSTALLATION OF THE LIGHTING FIXTURES AS INDICATED ON THE DRAWINGS.**

**C. ALL FLUORESCENT AND INCANDESCENT LAMPS SHALL BE AS NOTED ON PLANS AND SPECIFICATIONS AND SHALL BE PROVIDED BY THE TENANT AND/OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.**

**D. SEE ELECTRICAL DRAWING FOR LIGHTING FIXTURE DESCRIPTIONS.**

**E. LIGHTING CONTACTORS AND TIME SWITCHES:**

**WHERE INDICATED ON THE DRAWINGS, CONTACTORS FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGNS SHALL BE SQUARE CLASS B903, TYPE 1 IN A NEMA 1 ENCLOSURE, ELECTRICALLY OPERATED AND ELECTRICALLY HELD EQUALS 120 VOLTS. TIME SWITCHES FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGN SHALL BE TORK W200 7 DAY TYPE IN NEMA 1 ENCLOSURE.**

**III. SPECIFIC ELECTRICAL SPECIFICATIONS:**

**1. SEE ELECTRICAL DRAWINGS: LANDLORD'S CRITERIA THE ELECTRICAL CONTRACTOR IS TO BECOME FAMILIAR WITH LANDLORD'S CRITERIA FOR THIS LOCATION AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.**

**IV. TELEPHONE:**

**1. PROVIDE 3/4" EMT IN WALLS WITH DRAG STRING AT EACH LOCATION.**

**V. MISCELLANEOUS:**

**1. ALUMINUM WIRE IS STRICTLY PROHIBITED FOR THIS PROJECT.**

**2. DURING DEMOLITION, ANY ELECTRICAL EQUIPMENT, FIXTURE SYSTEMS, CONDUIT AND WIRE TO BE REMOVED AND NOT REUSED - THIS EQUIPMENT FIXTURE SYSTEMS, CONDUIT, AND WIRE MAY NOT BE ABANDONED AND LEFT WITHIN THE SPACE, IT MUST BE REMOVED TO AN APPROVED DISPOSAL SITE.**

**6. SIZE AND TYPE AS REQUIRED BY THE BUILDING CONDITIONS SHALL BE PROVIDED FOR ALL INTERIOR OUTLETS FOR LIGHTING, SWITCHES, RECEPTACLES, CLOCKS, SIGNALS, AND THE LIKE.**

**7. BOTTOMS SHALL BE OF SUFFICIENT SIZE TO PREVENT OVERCROWDING OF WIRES AND CABLES AND TO PROVIDE SUFFICIENT VENTILATION TO PREVENT OVERHEATING OF THE CIRCUIT BREAKERS. EACH CABINET SHALL BE COMPLETE WITH HINGES, DOORS, CYLINDRICAL LOCK, DIRECTORY FRAME AND NEATLY TYPED DIRECTORY CHARTS. ALL PANELS SHALL BE KEYED ALIKE. INSTALL AN ANGLE PIECE ON INSIDE OF EACH TRIM FOR EASE OF INSTALLATION.**

**8. THE BRANCH CIRCUIT BREAKERS, IN GENERAL, SHALL BE MOLDED CASE, BOLT-ON TYPE, RATED 10,000 AIC ON 120/208V, 100 AMPERE FRAME, THERMAL MAGNETIC TRIP SINGLE, TWO OR THREE POLE AS SHOWN ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION CONDUIT AND OUTLETS.**

**9. G. THE BRANCH CIRCUIT BREAKERS, IN GENERAL, SHALL BE MOLDED CASE, BOLT-ON TYPE, RATED 10,000 AIC ON 120/208V, 100 AMPERE FRAME, THERMAL MAGNETIC TRIP SINGLE, TWO OR THREE POLE AS SHOWN ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION CONDUIT AND OUTLETS.**

**10. GROUNDING:**

**A. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING THE FOLLOWING ITEMS, SHALL BE PROPERLY GROUNDED.**

**B. ALL CASH REGISTER OUTLETS TO BE ISOLATED AND SEGREGATED.**

**C. PANEL SECTIONS SHALL BE SUCH THAT NO LIVE PARTS ARE EXPOSED AFTER INSTALLATION. THEY SHALL BE SO ARRANGED THAT EACH BREAKER IS READILY REMOVABLE FROM THE PANEL WITHOUT DISTURBING ADJACENT BREAKERS. ELECTRICAL CONTRACTOR TO PROVIDE TYPED BREAKER LIST.**

**D. PHASE LEGS SHALL BE ALTERNATELY BUSSSED TO EACH CIRCUIT BREAKER IN A MANNER TO AFFECT BALANCING THE BRANCH CIRCUIT CONNECTIONS AS NEARLY AS POSSIBLE OVER EACH PHASE.**

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**B. THE TRANSFORMER SHALL BE PROVIDED WITH SUITABLE VIBRATION DAMPERS. SAME TO BE PLACED BETWEEN THE CORE AND THE COILS OF THE ENCLOSURE.**

**C. THE TRANSFORMER SHALL HAVE CLASS H INSULATION, AND THE WIRING TEMPERATURE RISE SHALL NOT EXCEED 150 DEGREES C. UNDER FULL LOAD IN AN AMBIENT OF 40 DEGREES C.**

**D. THE TRANSFORMER ENCLOSURE SHALL BE PRIMED INSIDE AND OUT WITH A ZINC COATED CHROMATE IRON OXIDE RUST INHIBITING PRIMER AND FINISHED ASAG1 GRAY ENAMEL.**

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**F. LIGHTING FIXTURES:**

**A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE SUPPLIED BY THE T.G.C. AND / OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER UNLESS OTHERWISE NOTED, AND SHALL BE DELIVERED, HANDLED, ASSEMBLED AND INSTALLED AT THE SITE BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNLOADING, STORAGE AND PROTECTION OF ALL ITEMS FOUND TO BE DEFECTIVE AND SHALL BE REPLACED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.**

**B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL THE NECESSARY LABOR AND MATERIALS FOR THE COMPLETE INSTALLATION OF THE LIGHTING FIXTURES AS INDICATED ON THE DRAWINGS.**

**C. ALL FLUORESCENT AND INCANDESCENT LAMPS SHALL BE AS NOTED ON PLANS AND SPECIFICATIONS AND SHALL BE PROVIDED BY THE TENANT AND/OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.**

**D. SEE ELECTRICAL DRAWING FOR LIGHTING FIXTURE DESCRIPTIONS.**

**E. LIGHTING CONTACTORS AND TIME SWITCHES:**

**WHERE INDICATED ON THE DRAWINGS, CONTACTORS FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGNS SHALL BE SQUARE CLASS B903, TYPE 1 IN A NEMA 1 ENCLOSURE, ELECTRICALLY OPERATED AND ELECTRICALLY HELD EQUALS 120 VOLTS. TIME SWITCHES FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGN SHALL BE TORK W200 7 DAY TYPE IN NEMA 1 ENCLOSURE.**

**III. SPECIFIC ELECTRICAL SPECIFICATIONS:**

**1. SEE ELECTRICAL DRAWINGS: LANDLORD'S CRITERIA THE ELECTRICAL CONTRACTOR IS TO BECOME FAMILIAR WITH LANDLORD'S CRITERIA FOR THIS LOCATION AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.**

**IV. TELEPHONE:**

**1. PROVIDE 3/4" EMT IN WALLS WITH DRAG STRING AT EACH LOCATION.**

**V. MISCELLANEOUS:**

**1. ALUMINUM WIRE IS STRICTLY PROHIBITED FOR THIS PROJECT.**

**2. DURING DEMOLITION, ANY ELECTRICAL EQUIPMENT, FIXTURE SYSTEMS, CONDUIT AND WIRE TO BE REMOVED AND NOT REUSED - THIS EQUIPMENT FIXTURE SYSTEMS, CONDUIT, AND WIRE MAY NOT BE ABANDONED AND LEFT WITHIN THE SPACE, IT MUST BE REMOVED TO AN APPROVED DISPOSAL SITE.**

**6. SIZE AND TYPE AS REQUIRED BY THE BUILDING CONDITIONS SHALL BE PROVIDED FOR ALL INTERIOR OUTLETS FOR LIGHTING, SWITCHES, RECEPTACLES, CLOCKS, SIGNALS, AND THE LIKE.**

**7. BOTTOMS SHALL BE OF SUFFICIENT SIZE TO PREVENT OVERCROWDING OF WIRES AND CABLES AND TO PROVIDE SUFFICIENT VENTILATION TO PREVENT OVERHEATING OF THE CIRCUIT BREAKERS. EACH CABINET SHALL BE COMPLETE WITH HINGES, DOORS, CYLINDRICAL LOCK, DIRECTORY FRAME AND NEATLY TYPED DIRECTORY CHARTS. ALL PANELS SHALL BE KEYED ALIKE. INSTALL AN ANGLE PIECE ON INSIDE OF EACH TRIM FOR EASE OF INSTALLATION.**

**8. THE BRANCH CIRCUIT BREAKERS, IN GENERAL, SHALL BE MOLDED CASE, BOLT-ON TYPE, RATED 10,000 AIC ON 120/208V, 100 AMPERE FRAME, THERMAL MAGNETIC TRIP SINGLE, TWO OR THREE POLE AS SHOWN ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION CONDUIT AND OUTLETS.**

**9. GROUNDING:**

**A. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING THE FOLLOWING ITEMS, SHALL BE PROPERLY GROUNDED.**

**B. ALL CASH REGISTER OUTLETS TO BE ISOLATED AND SEGREGATED.**

**C. PANEL SECTIONS SHALL BE SUCH THAT NO LIVE PARTS ARE EXPOSED AFTER INSTALLATION. THEY SHALL BE SO ARRANGED THAT EACH BREAKER IS READILY REMOVABLE FROM THE PANEL WITHOUT DISTURBING ADJACENT BREAKERS. ELECTRICAL CONTRACTOR TO PROVIDE TYPED BREAKER LIST.**

**D. PHASE LEGS SHALL BE ALTERNATELY BUSSSED TO EACH CIRCUIT BREAKER IN A MANNER TO AFFECT BALANCING THE BRANCH CIRCUIT CONNECTIONS AS NEARLY AS POSSIBLE OVER EACH PHASE.**

**E. DRY TYPE TRANSFORMERS (IF NEW IS REQUIRED):**

**A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DRY TYPE AIR COOLED INDOOR POWER TRANSFORMER, AS RATED ON THE DRAWINGS AND HEREINAFTER SPECIFIED.**

**B. THE TRANSFORMER SHALL BE PROVIDED WITH SUITABLE VIBRATION DAMPERS. SAME TO BE PLACED BETWEEN THE CORE AND THE COILS OF THE ENCLOSURE.**

**C. THE TRANSFORMER SHALL HAVE CLASS H INSULATION, AND THE WIRING TEMPERATURE RISE SHALL NOT EXCEED 150 DEGREES C. UNDER FULL LOAD IN AN AMBIENT OF 40 DEGREES C.**

**D. THE TRANSFORMER ENCLOSURE SHALL BE PRIMED INSIDE AND OUT WITH A ZINC COATED CHROMATE IRON OXIDE RUST INHIBITING PRIMER AND FINISHED ASAG1 GRAY ENAMEL.**

**E. THE MAXIMUM ACCEPTABLE NOISE LEVEL SHALL NOT EXCEED 42 DB OVER THE FOLLOWING: 0 TO 150 KVA - 42 DB**

**F. LIGHTING FIXTURES:**

**A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE SUPPLIED BY THE T.G.C. AND / OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER UNLESS OTHERWISE NOTED, AND SHALL BE DELIVERED, HANDLED, ASSEMBLED AND INSTALLED AT THE SITE BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNLOADING, STORAGE AND PROTECTION OF ALL ITEMS FOUND TO BE DEFECTIVE AND SHALL BE REPLACED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.**

**B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL THE NECESSARY LABOR AND MATERIALS FOR THE COMPLETE INSTALLATION OF THE LIGHTING FIXTURES AS INDICATED ON THE DRAWINGS.**

**C. ALL FLUORESCENT AND INCANDESCENT LAMPS SHALL BE AS NOTED ON PLANS AND SPECIFICATIONS AND SHALL BE PROVIDED BY THE TENANT AND/OR TENANT'S LIGHT FIXTURE AND LAMP SUPPLIER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.**

**D. SEE ELECTRICAL DRAWING FOR LIGHTING FIXTURE DESCRIPTIONS.**

**E. LIGHTING CONTACTORS AND TIME SWITCHES:**

**WHERE INDICATED ON THE DRAWINGS, CONTACTORS FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGNS SHALL BE SQUARE CLASS B903, TYPE 1 IN A NEMA 1 ENCLOSURE, ELECTRICALLY OPERATED AND ELECTRICALLY HELD EQUALS 120 VOLTS. TIME SWITCHES FOR CONTROL OF SHOW WINDOW LIGHTING AND SIGN SHALL BE TORK W200 7 DAY TYPE IN NEMA 1 ENCLOSURE.**

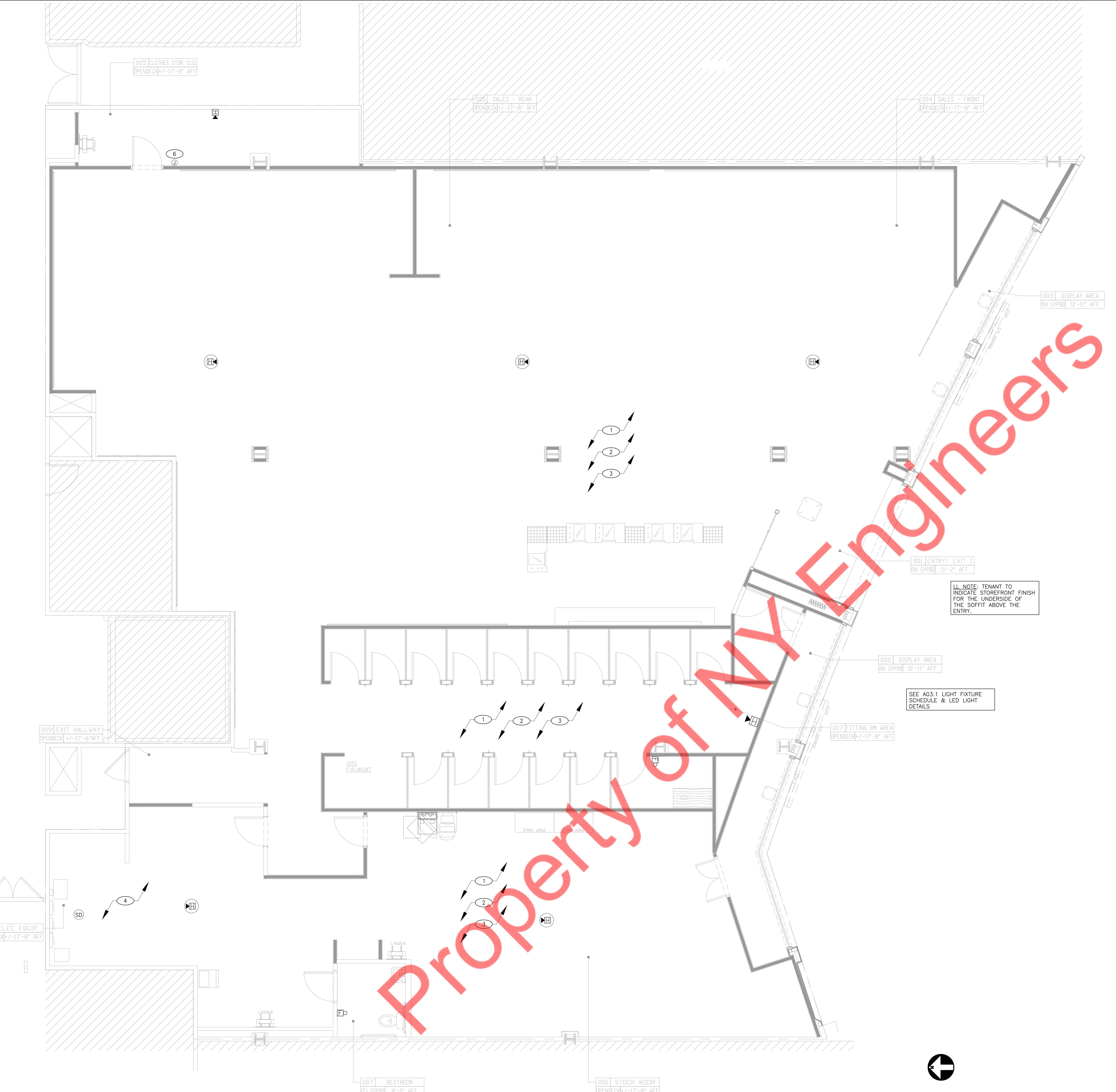
**III. SPECIFIC ELECTRICAL SPECIFICATIONS:**

**1. SEE ELECTRICAL DRAWINGS: LANDLORD'S CRITERIA THE ELECTRICAL CONTRACTOR IS TO BECOME FAMILIAR WITH LANDLORD'S CRITERIA FOR THIS LOCATION AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.**

**IV. TELEPHONE:**

**1. PROVIDE 3/4" EMT IN WALLS WITH DRAG STRING AT EACH LOCATION.**

**V. MISCELLAN**



Property of

001 ENTRY/ EXIT 1  
(ND GYPBD) 11'-2" AFF

002 DISPLAY AREA  
(ND GYPBD) 10'-11" AFF

007 FITTING RM AREA  
OPENDECK +/- 17'-8" AFF

SEE A03.1 LIGHT FIXTURE SCHEDULE & LED LIGHT DETAILS

LL NOTE: TENANT TO INDICATE STOREFRONT FINISH FOR THE UNDERSIDE OF THE SOFFIT ABOVE THE ENTRY.

# **1 FIRE ALARM PLAN**

SCALE: 1/4" = 1'-0"



<b>PROJECT:</b>	
<b>GARAGE</b>	
<hr/>	
<b>PROJECT NO.</b>  <b>250239</b>	<b>DRAWN BY:</b>  <b>NYE</b>
<b>SCALE:</b>  <b>AS NOTED</b>	<b>CHECKED BY:</b>  <b>NYE</b>
<b>DATE:</b>  <b>10.21.2025</b>	<b>THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF:</b>  <b>NYE</b>

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING  
FROM THESE PLANS AND SPECIFICATIONS ARE NOT TO SCALE SUCH  
INFORMATION BUT TO CONTACT THE ARCHITECT OR HIS REPRESENTATIVE  
REGARDING MEASUREMENTS, IF SUCH MEASUREMENTS DO NOT APPEAR  
CORRECT, ADD UP PROPERLY OR SCALE CORRECTLY TO THE INDICATED  
SIZE.

SEARCH. REGISTRATION NO. - #

**DRAWING NAME:**

**DRAWING NO.**

# NYE | FA 19

# FA-1.0

## SEAL

**SEAL**

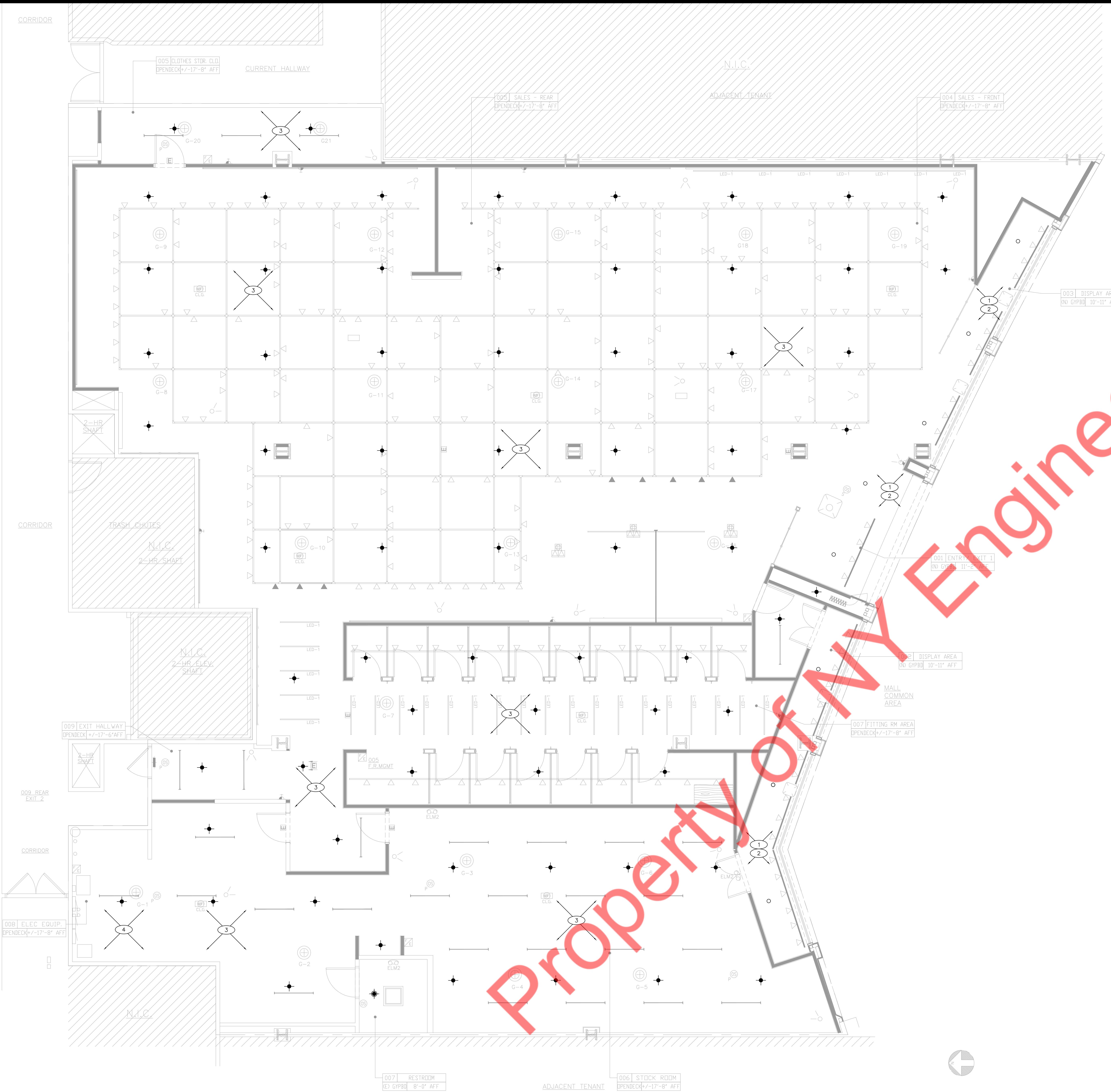
DATE: AS NOTED

PROIECT NO. 250220

PROJECT: GARAGE MAIL OF AMERICA

RI OT SCAN E1 1-1





# **FIRE SPRINKLER SPECIFICATIONS**

**I. DESIGN/BUILD REQUIREMENTS**

1. THE SPRINKLER SUBCONTRACTOR, A LICENSED SUBCONTRACTOR OF THE TENANT'S GENERAL CONTRACTOR (USE ONLY DESIGNATED SPRINKLER SUBCONTRACTOR IF REQUIRED BY LANDLORD OR BUILDING) IS REQUIRED TO MODIFY AN EXISTING SYSTEM AS PER THE LATEST N.F.P.A. PAMPHLET (PAMPHLET 13) AND THE BUILDING LANDLORD'S INSURANCE UNDERWRITER'S REQUIREMENTS AND OTHER RELEVANT AUTHORITIES' REQUIREMENTS. SPRINKLER CONTRACTOR TO VERIFY WITH BUILDING LANDLORD'S INSURER AS TO THE BASIS FOR DESIGN – OCCUPANCY TYPE AND DENSITY, NORMAL OR HYDRAULIC AS WELL AS INSURANCE REQUIREMENTS.
2. THE SYSTEM SHALL BE DESIGNED TO EITHER INSTALL NEW IF SPACE IS NEW OR IF AN EXISTING SPACE MODIFY THE SPRINKLER HEADS WITHIN THE DEMISED PREMISES.
3. THE SPRINKLER HEAD TO BE USED IN THE ENTIRE SPACE WHERE A CEILING OCCURS ARE TO BE WHITE PLATED RECESSED TYPE, UNLESS THERE IS A SPECIAL TYPE HEAD REQUIRED BY THE LANDLORD. IF THIS IS THE CASE, THE SPRINKLER HEAD TO BE USED IS PER LANDLORD'S INSURER SPECIFICATION ONLY.
4. THE SPRINKLER CONTRACTOR SHALL INCLUDE IN HIS SUBMISSIONS FOR APPROVAL BY THE BUILDING LANDLORD'S INSURER AND REVIEW BY THE TENANT'S REPRESENTATIVE, A 1/8" SCALE SPRINKLER LAYOUT. (UTILIZE TENANT'S REFLECTED CEILING PLAN.)
5. THE SPRINKLER SUBCONTRACTOR SHALL OBTAIN ALL APPROVALS FROM APPLICABLE AUTHORITIES FOR THE SPRINKLER SYSTEM.
6. OWNER, TENANT, CLIENT AND LESSEE ARE ALL THE SAME INDIVIDUAL OR COMPANY. THE LANDLORD AND LESSOR IS THE BUILDING LANDLORD INSURER AND/OR THE OWNER OR REPRESENTATIVE OF THE OWNER OF THE SHOPPING CENTER. LANDLORD'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME; TENANT'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME.
7. SINCE SPACE TO BE OCCUPIED IS NEW OR WHOLLY OR PARTIALLY ANOTHER BUILDING TENANT (AS APPLICABLE), THE SPRINKLER SUBCONTRACTOR MUST CHECK SITE CONDITIONS TO ANALYZE IF MAINS, BRANCH LINES, ETC., MAY BE EXISTING LOWER THAN OR IN THE WAY OF THE NEW CEILING HEIGHT OR OVERHEAD GRILLE ASSEMBLY (IF APPLICABLE); IF THIS IS THE CASE, THEN COSTS FOR REMOVING, RELOCATING AND NEW, SHOULD BE INCLUDED IN THE SPRINKLER CONTRACTOR'S BID.
- 8A. THIS IS A NEW SYSTEM TO BE INSTALLED AS TO LAYOUT AND CAPACITY BASED ON TENANT'S FLOOR PLANS, CEILING PLANS, HEIGHTS AND SECTIONS AND THE LATEST N.F.P.A. PAMPHLET/STANDARDS GOVERNING THIS USE. SPRINKLER SUBCONTRACTOR TO CHECK WITH LOCAL FIRE AUTHORITIES REGARDING ANY SPECIAL SPRINKLER REQUIREMENTS FOR SIDE WALL CASES (AS APPLICABLE). TENANT'S ARCHITECT'S PLACEMENT OF SPRINKLER HEADS IS FOR AESTHETIC PURPOSES ONLY; THE ACTUAL PLACEMENT MUST MEET CODE, TENANT'S PLANS, LANDLORD'S INSURER AND INSURANCE REQUIREMENTS AND IF IN A GRID SYSTEM PLACED IN THE CENTER OF THE GRID PATTERN, WHETHER EXISTING OR NOT EXISTING.
- 8B. THIS IS AN EXISTING SYSTEM TO BE MODIFIED AS TO LAYOUT AND CAPACITY BASED ON TENANT'S FLOOR PLANS, CEILING PLANS, HEIGHTS AND SECTIONS AND THE LATEST N.F.P.A. PAMPHLET/STANDARDS GOVERNING THIS USE. SPRINKLER SUBCONTRACTOR TO CHECK WITH LOCAL FIRE AUTHORITIES REGARDING ANY SPECIAL SPRINKLER REQUIREMENTS FOR SIDE WALL CASES (AS APPLICABLE).
9. ALL SPRINKLER HEADS IN ACOUSTICAL SALES AREA CEILINGS TO BE IN CENTER OF TILES.
10. ANY CHANGES TO THE EXISTING FIRE SPRINKLER SYSTEM OR FIRE ALARM SYSTEM MUST BE PRE-APPROVED BY LOCAL FIRE DEPARTMENT.
11. IF FIRE ALARM STROBE IN MAIN CORRIDOR CANNOT BE SEEN INSIDE TENANT SPACES, THEN ADDITIONAL STROBES WILL BE REQUIRED INSIDE TENANT SPACES.
12. ALL TEST TO BE PERFORMED ON THE FIRE ALARM OR FIRE SPRINKLER SYSTEM SHALL BE COORDINATED WITH MALL MANAGEMENT.

**II. GENERAL REQUIREMENTS**

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE INSTALLATION FOR FINISHED WORK, TESTED AND READY FOR OPERATION. THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER UNDER THE DIRECTION OF AND TO THE SATISFACTION OF THE BUILDING OWNER AND TENANT'S REPRESENTATIVE.
2. ALL MATERIALS REQUIRED FOR THIS WORK SHALL BE NEW, UNUSED, BEST OF ITS RESPECTIVE KINDS, FREE FROM DEFECTS AND OF FIRST CLASS QUALITY. BASIS OF QUALITY SHALL BE BASED ON THE LATEST STANDARDS OF THE N.F.P.A. PAMPHLET AND OTHER ACCEPTABLE STANDARDS.
3. THE SPRINKLER SUBCONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK UNTIL ITS COMPLETION AND FINAL ACCEPTANCE AND SHALL REPLACE ANY OF THE SAME WHICH MAY BE DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE BUILDING OWNER OR TENANT.
4. THE SPRINKLER SUBCONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS INSTALLED BY HIM TO BE FREE FROM INHERENT DEFECTS AND SHALL KEEP IN REPAIR AND REPLACE ANY DEFECTIVE MATERIALS OF WORKMANSHIP, FREE OF COST TO THE TENANT OR LESSEE (OWNER) FOR A PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK.

5. ALL WORK SHALL BE DONE ACCORDING TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND BUILDING LANDLORD'S INSURER / TENANT LEASE CRITERIA (IF APPLICABLE) AND SHALL RECEIVE THE APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION. PREPARE ALL REQUIRED DOCUMENTS, DRAWINGS AND PERFORM ALL REQUIRED TESTS AND PAY ALL REQUIRED CHARGES TO OBTAIN THESE APPROVALS.
6. THIS CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE SITE FOR THE WORK AND REVIEWED THE DRAWINGS WITH THE TENANT'S GENERAL CONTRACTOR BEFORE HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
7. THIS CONTRACTOR MUST PROVIDE TENANT, LANDLORD'S INSURER AND TENANT'S CONSTRUCTION REPRESENTATIVES WITH COPIES OF REQUIRED INSURANCE AND COPIES TO BE FURNISHED TO THE OWNER BEFORE COMMENCING WORK.
8. SUBMIT THREE (3) SETS OF SHOP DRAWINGS IDENTIFIED WITH PROJECT NAME TO THE BUILDING OWNER, OWNER AND OWNER'S CONSTRUCTION REPRESENTATIVE FOR THEIR FILE.
9. THE FIRE PROTECTION SUBCONTRACTORS QUOTING ON THEIR SPECIFIC SCOPE OF WORK/SERVICES TO CONTACT THE LOCAL BUILDING DEPARTMENT/AGENCY TO DISCUSS CODE ISSUES/IDIOSYNCRASIES REGARDING THEIR SERVICES AND THE QUOTE ASSOCIATED WITH THE SERVICES TO THE GENERAL CONTRACTOR FOR THIS PROJECT. THIS CONTRACTOR TO BE FAMILIAR WITH THE SITE WHERE SUCH SERVICES/WORK WILL BE PERFORMED, THIS SPECIFIC USE AND THE IDIOSYNCRASIES ASSOCIATED WITH THE LIFE, SAFETY AND HEALTH ASSOCIATED WITH THIS WORK AND TO INDICATE ON THE QUOTE ANY ITEMS REQUIRED THAT ARE NOT NECESSARILY SHOWN ON THE DRAWINGS/SPECIFICATIONS.

**III. SCOPE OF WORK**

FURNISH ALL REQUIRED LABOR, MATERIALS, EQUIPMENT AND CONTRACTORS FOR A COMPLETE, SAFE INSTALLATION OF SPRINKLER WORK IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED.

**IV. GENERAL ITEMS**

1. IF VALVES ARE NOW UTILIZED IN SYSTEM BUT NOT ALLOWED BY LAW, THEY ARE TO BE REMOVED AS REQUIRED.
2. SPRINKLER SUBCONTRACTOR SHOULD VERIFY WITH LANDLORD'S INSURER ANY SPECIAL REQUIREMENTS, HOOKUPS, ALARM SYSTEMS IN PIPING, ETC., AND INCLUDE COST IN BID – ITEMIZE AND SPECIFY INCLUSIONS IN BID.
3. DRAIN DOWNS AS PER GENERAL CONTRACTOR'S REQUIREMENTS. PIPING SHALL NOT BE SUPPORTED FROM DUCTWORK, ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER SPRINKLER PIPING. ONLY HANG FROM TOP FLANGES OF BEAMS AND TOP CHORDS AT PANEL POINTS OF JOISTS AND TRUSSES.
4. TEST: TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS BASED ON CODE OR BUILDING OWNER'S REQUIREMENTS AND IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF BUILDING OWNER (IF REQUIRED) AND OWNER'S REPRESENTATIVE AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED. AS PER CODE REQUIREMENTS, TEST PIPING BY FILLING WITH AIR UNDER PRESSURE FIRST.
5. STERILIZATION OF SPRINKLER SYSTEM: IF REQUIRED BY CODE OR LANDLORD'S CRITERIA, BEFORE SPRINKLER SYSTEM IS PLACED INTO SERVICE, ALL LINES SHALL BE CHLORINATED TO THE SATISFACTION OF REPRESENTATION (AS APPLICABLE) IN ACCORDANCE WITH N.F.P.A. STANDARDS.
6. NOTCHING AND BORING OF STRUCTURAL STEEL MEMBERS IS NOT PERMITTED, WHEN HANGING FROM STRUCTURAL STEEL ONLY HANG FROM TOP FLANGE OF BEAMS AND TOP CHORDS ONLY AT PANEL POINTS OF JOISTS / TRUSSES.
7. SPRINKLER CONTRACTOR TO FILE FOR PERMITS AND SUBMIT PLANS TO BUILDING DEPARTMENT FOR APPROVAL AND SIGN-OFF. ALL BUILDING DEPARTMENT WORK FOR THIS CONTRACTOR'S SCOPE, TO BE FILED BY THIS CONTRACTOR.

**V. BUILDING LANDLORD'S CRITERIA**

1. THE SPRINKLER CONTRACTOR IS TO BECOME FAMILIARIZED WITH BUILDING LANDLORD'S CRITERIA FOR THIS LOCATION (IF APPLICABLE) AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.
2. THE SPRINKLERS MUST BE A FULL-COVERAGE SYSTEM WHICH COMPLIES WITH ALL THE REQUIREMENTS OF NFPA PAMPHLET 13.
3. SPECIAL ATTENTION MUST BE PAID TO SPRINKLER OBSTRUCTIONS INCLUDING STOCK FIXTURES AND VALANCES.
4. THE 200 PSI, TWO-HOUR HYDROSTATIC TEST OF THE SYSTEM IS REQUIRED TO BE WITNESSED BY A REPRESENTATIVE OF THE BUREAU OF FIRE PREVENTION.
5. A COMPLETED, CERTIFIED COPY OF THE "CONTRACTORS MATERIAL AND TEST CERTIFICATE" IS REQUIRED TO BE TURNED INTO THE BUREAU OF FIRE PREVENTION.

## LANDLORD COMMENTS

## LEGEND

PRIGHT SPRINKLER HEAD, 165 DEGREE F, 1/2" ORIFICE, TYPICAL IN EXPOSED STRUCTURE AREAS.

ONCEALED PENDENT SPRINKLER HEAD, 165 DEGREE F, 1/2" ORIFICE, TYPICAL IN GYP CEILING

CESSSED PENDENT SPRINKLER HEAD, 165 DEGREE F, 1/2" ORIFICE, TYPICAL IN LAYING CEILING.

XISTING

HOWN ARE CONSIDERED NEW UNLESS OTHERWISE

THIS PLAN IS SHOWN FOR REFERENCE ONLY

## PLAN KEYNOTES

- 1 COORDINATE SPRINKLER HEIGHT AND LOCATION WITH METAL GRID FIXTURE ABOVE DISPLAY AREA. REFER TO A03 FOR EXACT GRID LOCATIONS.
- 2 CONCEALED SPRINKLER COVER SHALL BE PAINTED P-1 WHITE. COORDINATE FINISH WITH ARCHITECTURAL SHEETS.
- 3 COORDINATE SPRINKLER LOCATION WITH SUSPENDED ARCHITECTURAL ELEMENTS/LIGHTING TRACK IN SALES AREA PRIOR TO BID.
- 4 PROVIDE SHIELDS, TRAYS, AND OTHER PROTECTION IN ACCORDANCE NFPA REQUIREMENTS FOR THIS AREA.

## **FIRE PROTECTION CRETERIA**

SPACE IS CURRENTLY SERVED BY AUTOMATIC WET PIPE FIRE SPRINKLER SYSTEM, CONTRACTOR IS RESPONSIBLE FOR MODIFICATION OF EXISTING FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA REQUIREMENTS. PROVIDE ALL MATERIALS AND LABOR REQUIRED FOR COMPLETE INSTALLATION. SYSTEM MODIFICATION SHALL BE DESIGNED UNDER SUPERVISION OF LICENSED PROFESSIONAL ENGINEER, AND CONTRACTOR SHALL PREPARE REQUIRED SIGNED/SEALED DRAWINGS, CALCULATIONS, AND SHALL OBTAIN APPROVAL OF STATE, LOCAL AND INSURANCE UNDERWRITING AUTHORITIES. SPRINKLER SYSTEM SHALL BE TESTED UNDER PRESSURE BY CONTRACTORS, AND INSPECTED AND APPROVED BY LOCAL FIRE MARSHAL, PRIOR TO ACCEPTANCE

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## CONTRACTOR NOTES

<p>SPACE IS CURRENTLY SERVED BY AUTOMATIC WET PIPE FIRE SPRINKLER SYSTEM, CONTRACTOR IS RESPONSIBLE FOR MODIFICATION OF EXISTING FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA REQUIREMENTS. PROVIDE ALL MATERIALS AND LABOR REQUIRED FOR COMPLETE INSTALLATION. SYSTEM MODIFICATION SHALL BE DESIGNED UNDER SUPERVISION OF LICENSED PROFESSIONAL ENGINEER, AND CONTRACTOR SHALL PREPARE REQUIRED SIGNED/SEALED DRAWINGS, CALCULATIONS, AND SHALL OBTAIN APPROVAL OF STATE, LOCAL AND INSURANCE UNDERWRITING AUTHORITIES. SPRINKLER SYSTEM SHALL BE TESTED UNDER PRESSURE BY CONTRACTORS, AND INSPECTED AND APPROVED BY LOCAL FIRE MARSHAL, PRIOR TO ACCEPTANCE BY OWNER.</p> <p><b>GENERAL MEP NOTE:</b> THE GENERAL CONTRACTOR IS RESPONSIBLE AT THE BEGINNING OF THE PROJECT TO MEASURE THE SPACE WHILE REVIEWING THE ARCHITECT'S DRAWINGS TO VERIFY THAT THE INFORMATION CONTAINED IN THE SPRINKLER DOCUMENTS, ON WHICH HE/SHE QUOTED TO THE CLIENT, ARE COMPATIBLE WITH THE WORK TO BE PERFORMED AND THAT ALL SPACES ARE SUFFICIENT IN SIZE FOR THE WORK TO BE COMPLETED INCLUDING WIDTHS, LENGTHS, HEIGHTS, ETC.</p>	<ol style="list-style-type: none"><li>1. THIS DRAWING IS FOR REFERENCE ONLY. TENANT'S GENERAL CONTRACTOR AND/OR HIS/HER SPRINKLER SUBCONTRACTOR TO HIRE A LOCAL SPRINKLER PROTECTION ENGINEER (UNLESS SUCH WORK IS COMPLETED BY A QUALIFIED INDIVIDUAL WORKING DIRECTLY FOR THE SPRINKLER SUBCONTRACTOR, IF ALLOWED BY LAW/CODE) TO ENGINEER A SPRINKLER SYSTEM WHICH THIS SAME CONTRACTOR IS TO FURNISH AND INSTALL NEW OR MODIFY EXISTING AS REQUIRED, MEETING ALL LOCAL CODES AND FIRE MARSHALL REQUIREMENTS.</li><li>2. ALL SPRINKLER MODIFICATIONS BY T.G.C.</li><li>3. NEW SPRINKLER HEADS TO MATCH EXISTING (WHERE APPLICABLE).</li><li>4. FIRE PROTECTION DESIGN AND INSTALLATION BY LANDLORD APPROVED CONTRACTOR AT TENANT'S EXPENSE.</li><li>5. SPRINKLER DESIGN AND INSTALLATION BY LANDLORD APPROVED CONTRACTOR AT TENANT'S EXPENSE.</li><li>6. MODIFICATIONS TO THE FIRE SPRINKLER SYSTEM MUST BE APPROVED BY THE FIRE PREVENTION DIVISION AND WILL REQUIRE A SEPARATE PERMIT.</li><li>7. MECHANICAL AND ELECTRICAL PLANS ARE UNDER A SEPARATE PERMIT AND A SEPARATE SUBMITTAL.</li><li>8. THE TENANT SHALL BE REQUIRED TO SUPPLY AND INSTALL A COMPLETE FIRE ALARM SYSTEM WITHIN THE PREMISES AS REQUIRED BY APPLICABLE BLDG CODE(S). THE SYSTEM IS TO BE DESIGNED AND INSTALLED BY THE LANDLORD'S REQUIRED VENDOR AT TENANT'S EXPENSE.</li><li>9. THE GENERAL CONTRACTOR IS RESPONSIBLE AT THE BEGINNING OF THE PROJECT TO MEASURE THE SPACE WHILE REVIEWING THE ARCHITECT'S DRAWINGS TO VERIFY THAT THE INFORMATION CONTAINED IN THE SPRINKLER DOCUMENTS, ON WHICH HE/SHE QUOTED TO THE CLIENT, ARE COMPATIBLE WITH THE WORK TO BE PERFORMED AND THAT ALL SPACES ARE SUFFICIENT IN SIZE FOR THE WORK TO BE COMPLETED INCLUDING WIDTHS, LENGTHS, HEIGHTS, ETC.</li></ol>
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# **1 FIRE SPRINKLER HEAD PLAN**

**SCALE: 1/4" = 1'-0"**



PROJECT:	<b>GARAGE</b>		
PROJECT NO.	DRAWN BY:	NYE	
250239			
SCALE:	CHECKED BY:	NYE	
AS NOTED			
DATE:	THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF:		
10.21.2025	NYE		

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**NAME: FIRE SPRINKLER  
SPECIFICATIONS & HEAD PLAN**

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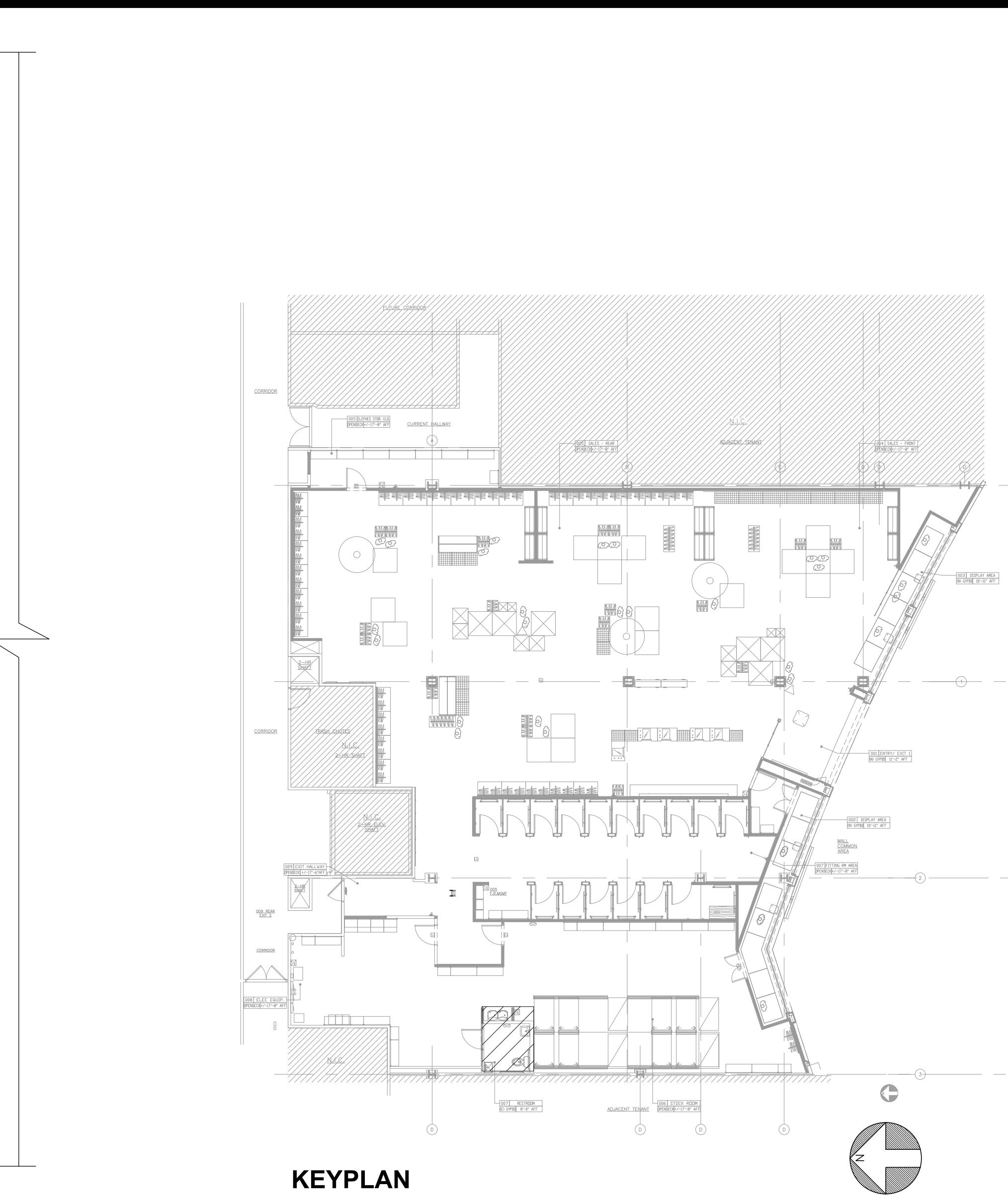
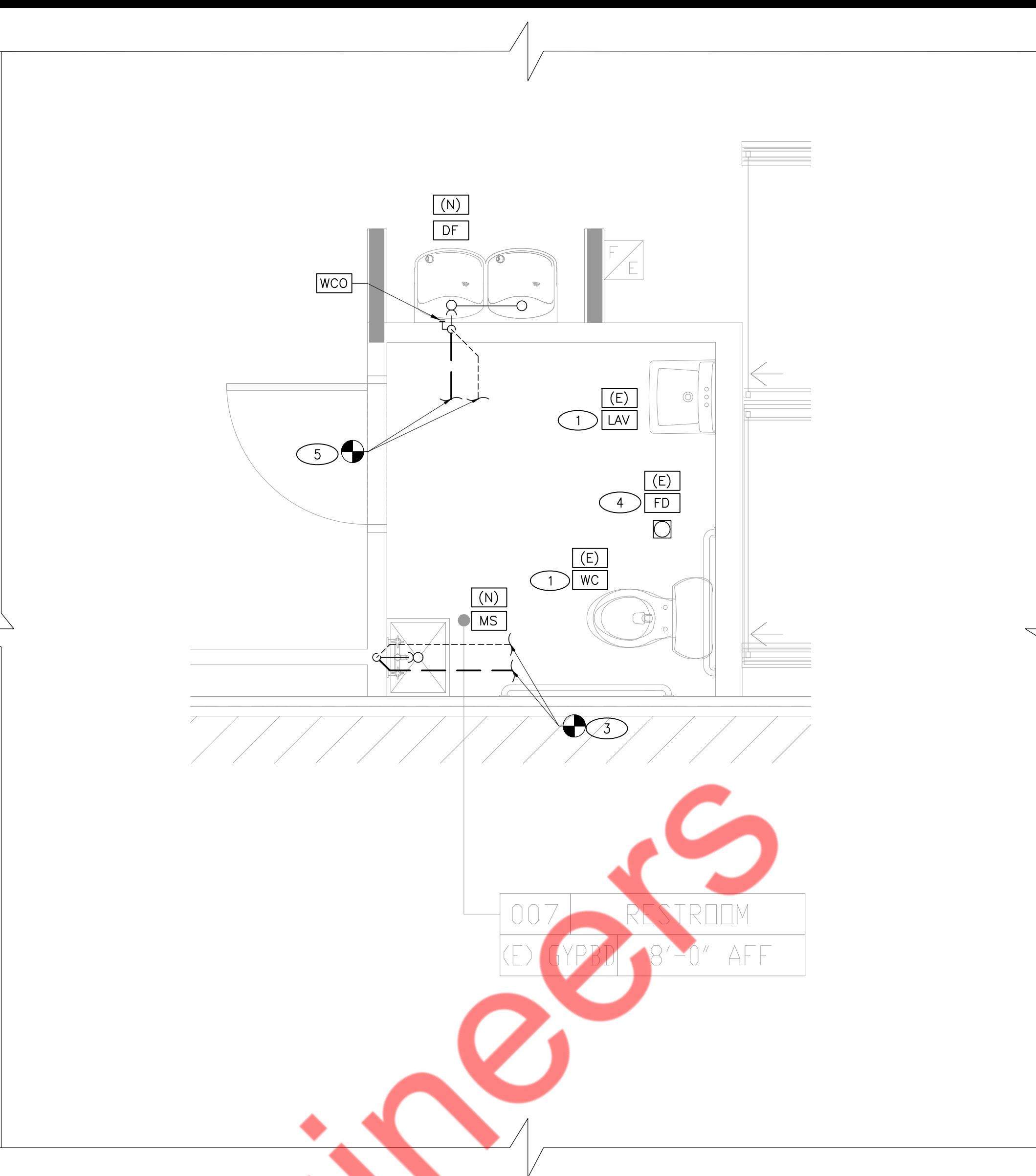
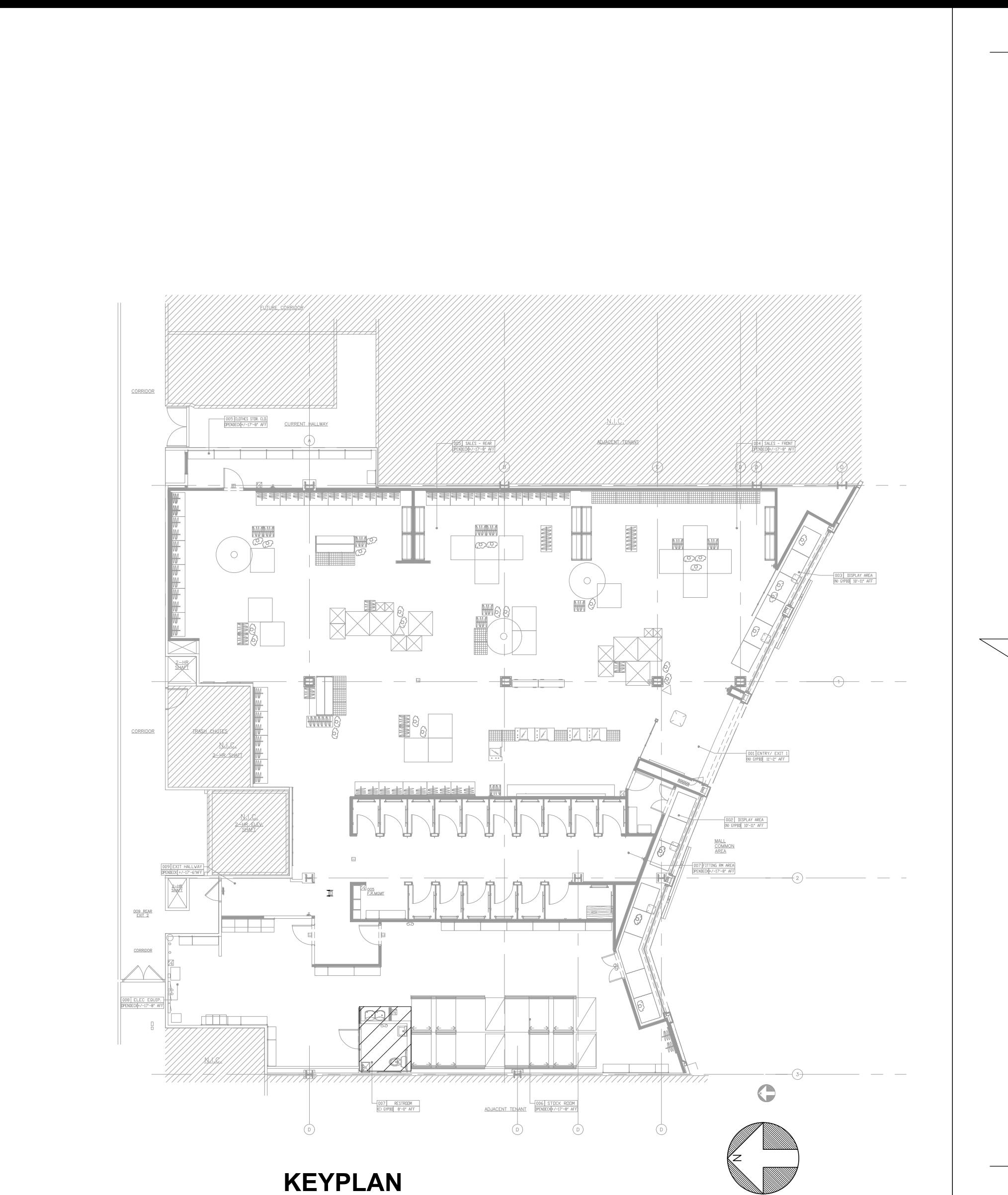
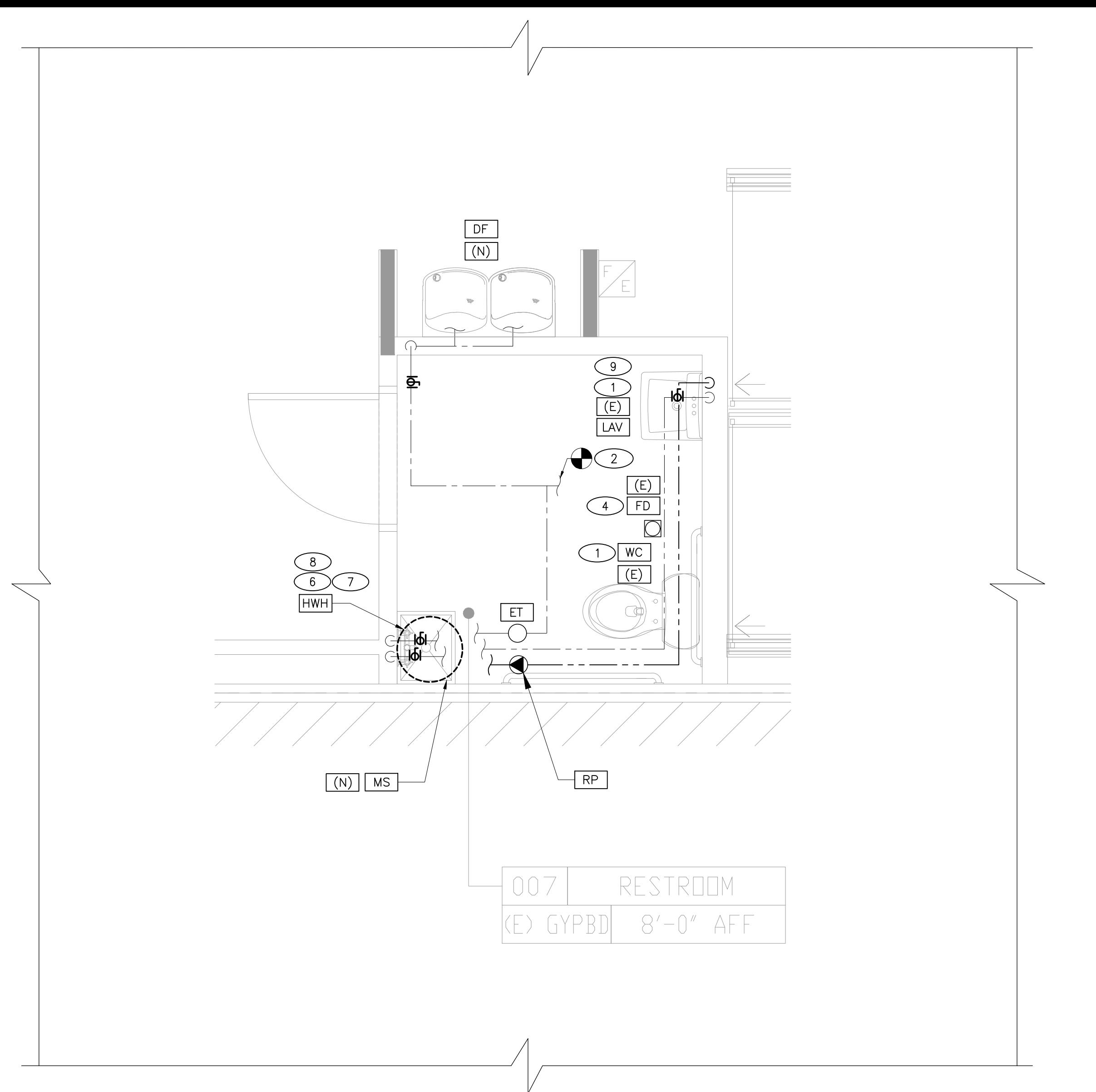
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**FP1.0**

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING  
FROM THESE PLANS AND SPECIFICATIONS ARE NOT TO SCALE SUCH  
INFORMATION BUT TO CONTACT THE ARCHITECT OR HIS REPRESENTATIVE  
REGARDING MEASUREMENTS, IF SUCH MEASUREMENTS DO NOT APPEAR  
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SIZE.

**ARCH. REGISTRATION NO. - #**

**SEAL** **SEAL**



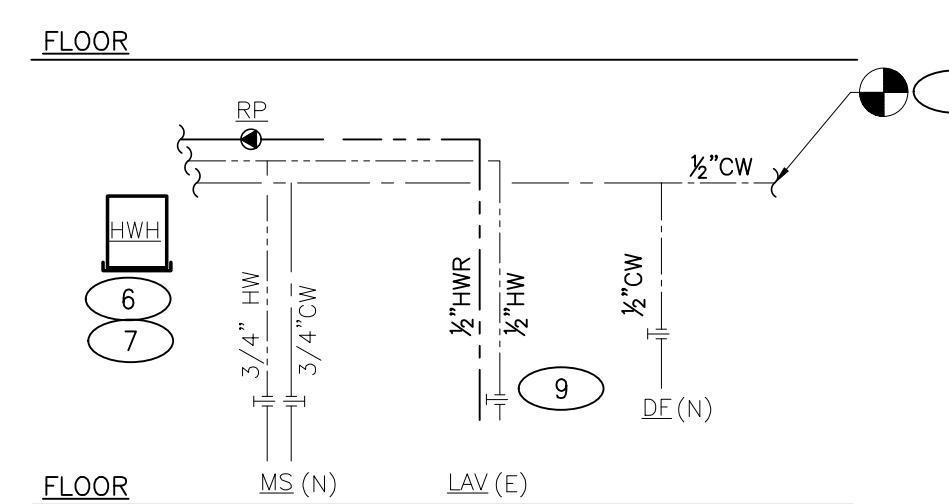
### 1 PLUMBING PLAN - DOMESTIC WATER SUPPLY

SCALE: 1/2" = 1'-0"

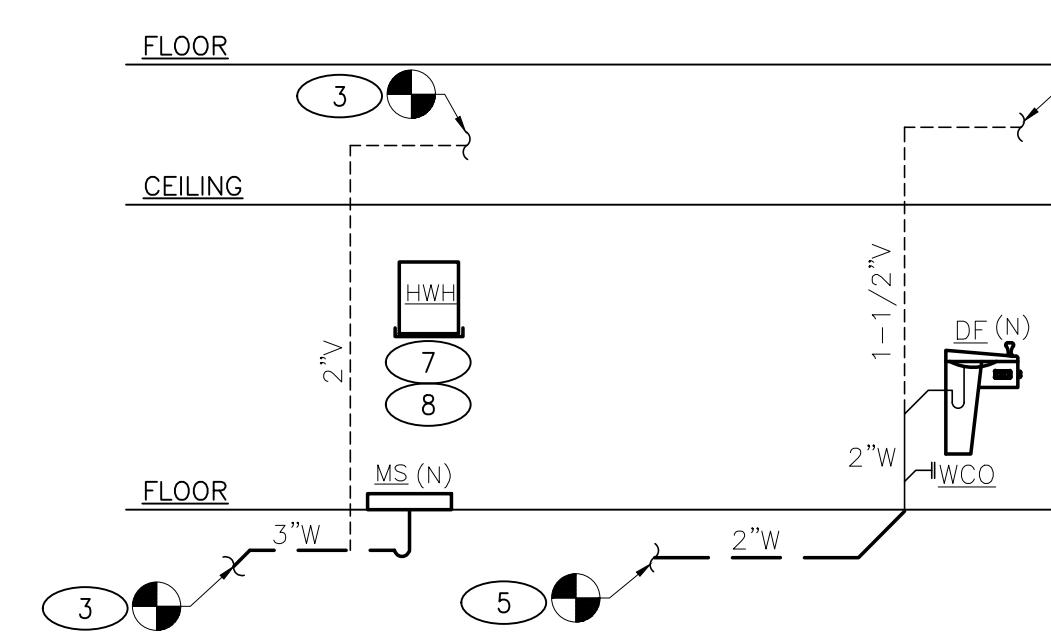
#### PLAN KEYNOTES

- EXISTING PLUMBING FIXTURE TO REMAIN, CLEAN AND REPAIR TO OPTIMAL WORKING CONDITION.
- CONNECT NEW  $\frac{3}{4}$ " CW PIPING TO THE NEAREST EXISTING COLD WATER PIPING OF EQUAL OR GREATER SIZE. FIELD VERIFY EXACT SIZE, LOCATION, AND CONNECTION POINT OF EXISTING PIPING PRIOR TO BIDDING. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.
- CONNECT NEW 3" SAN & 2" VENT PIPING TO THE NEAREST EXISTING SANITARY & VENT PIPING OF EQUAL OR GREATER SIZE. FIELD VERIFY EXACT SIZE, LOCATION, INVERT AND CONNECTION POINT OF EXISTING PIPING PRIOR TO BIDDING. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.
- EXISTING FLOOR DRAIN IN THE RESTROOM TO REMAIN. CONTRACTOR TO FIELD VERIFY THE CONDITION OF THE EXISTING FLOOR DRAIN & TRAP PRIMER FOR THE FD PRIOR TO BIDDING, CLEAN AND REPAIR TO GOOD WORKING CONDITION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.
- CONNECT NEW 2" WASTE & 1 $\frac{1}{2}$ " VENT PIPING FOR NEW FD TO NEAREST EXISTING SANITARY & VENT PIPING OF EQUAL OR GREATER SIZE. FIELD VERIFY EXACT SIZE, LOCATION, INVERT AND CONNECTION POINT OF EXISTING PIPING PRIOR TO BIDDING. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.
- CONTRACTOR SHALL REPLACE EXISTING WATER HEATER WITH NEW AS SCHEDULED. INSTALL ABOVE MOP SINK. PROVIDE CONNECTIONS TO EXISTING CW & HW LINE SERVING WATER HEATER BEING REMOVED. FIELD VERIFY THE LOCATION OF EXISTING WATER HEATER PRIOR TO BIDDING. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.
- PROVIDE A WATER TIGHT, GALVANIZED STEEL PAN, MIN. 2" X 24 GA., BELOW HOT WATER HEATER. 1 $\frac{1}{2}$ " MIN. DIA. DRAIN TO MOP SINK.
- FULL SIZE TEMPERATURE-PRESSURE RELIEF VALVE. DRAIN PER LOCAL CODE AND IN ACCORDANCE WITH LANDLORD'S CRITERIA, TO MOP SINK.
- PROVIDE THERMOSTATIC MIXING VALVE FOR LAVATORY, SET TO 110°F.

THE GENERAL CONTRACTOR IS RESPONSIBLE AT THE BEGINNING OF THE PROJECT TO MEASURE THE SPACE WHILE REVIEWING THE ARCHITECT'S DRAWINGS TO VERIFY THAT THE INFORMATION CONTAINED IN THE PLUMBING DOCUMENTS, ON WHICH HE/SHE QUOTED TO THE CLIENT, ARE COMPATIBLE WITH THE WORK TO BE PERFORMED AND THAT ALL SPACES ARE SUFFICIENT IN SIZE FOR THE WORK TO BE COMPLETED INCLUDING WIDTHS, LENGTHS, HEIGHTS, ETC.



DOMESTIC WATER SUPPLY



SANITARY &amp; VENT

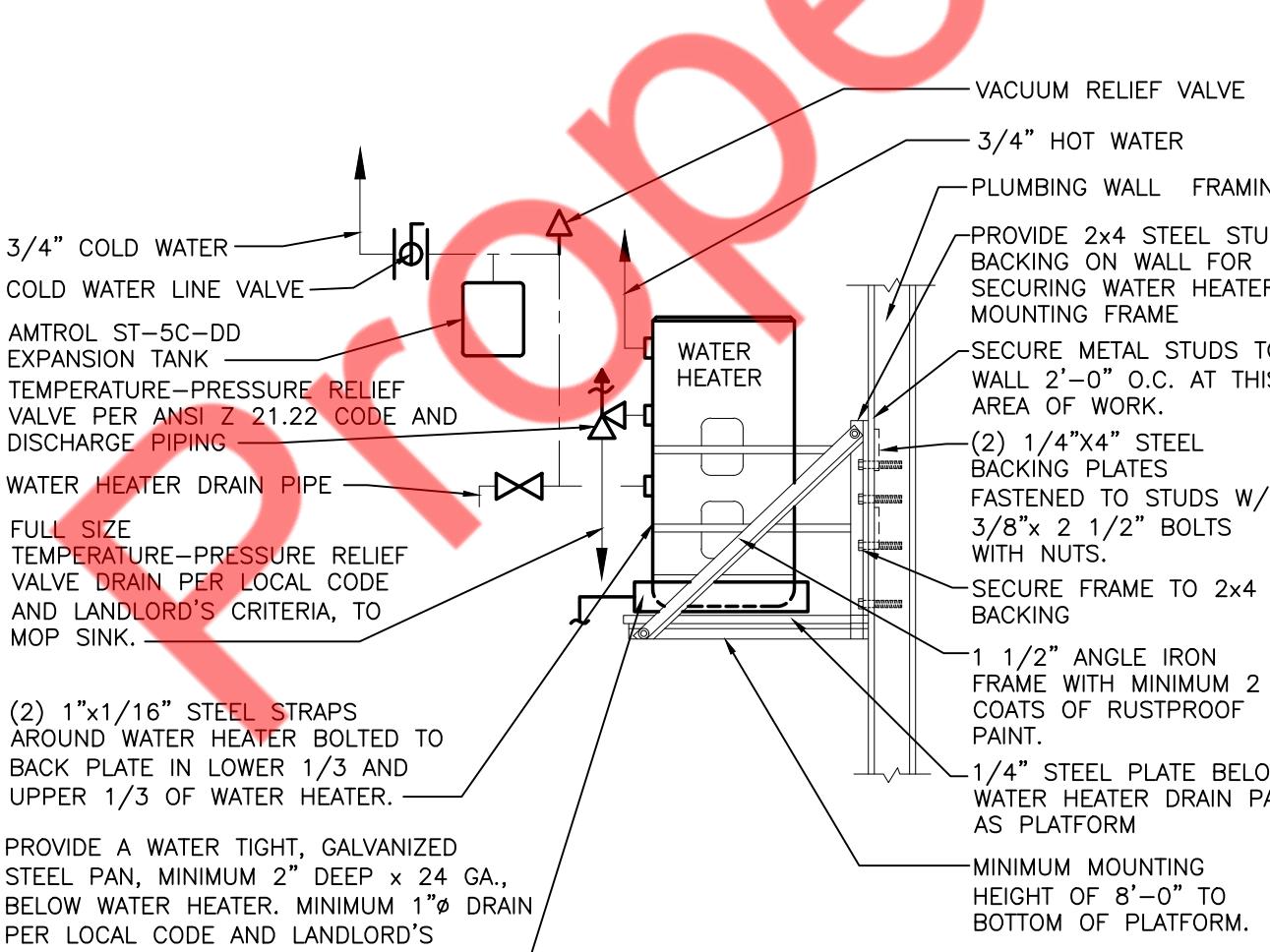
### 3 PLUMBING RISER DIAGRAMS

N.T.S.

No.	DATE:	ISSUE:
12.01.25 LANDLORD REVIEW & GC BID		

### 4 WATER HEATER DETAIL

N.T.S.



# PROJECT: GARAGE

PROJECT NO.	DRAWN BY:
250239	NYE
SCALE: AS NOTED	CHECKED BY: NYE
DATE: 10.21.2025	THESE DRAWINGS WERE COMPLETED UNDER THE DIRECT SUPERVISION OF: NYE

P1.0

THE GENERAL CONTRACTOR AND/OR ALL SUB-CONTRACTORS WORKING FROM THESE PLANS AND SPECIFICATIONS ARE NOT TO SCALE. SUCH INFORMATION IS TO CONTACT THE ARCHITECT OR HIS REPRESENTATIVE REGARDING MEASUREMENTS. IF SUCH MEASUREMENTS DO NOT APPEAR CORRECT, ADD UP PROPERLY OR SCALE CORRECTLY TO THE INDICATED SIZE.

ARCH. REGISTRATION NO. - #

## PLUMBING SPECIFICATIONS

## I. GENERAL ITEMS

ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE APPROPRIATE NATIONAL, STATE, COUNTY, AND LOCAL CODES AND STANDARDS. THE LATEST EDITIONS OF ASHRAE STANDARDS, THE LIFE SAFETY CODE, THE APPLICABLE BUILDING CODE, THE APPLICABLE PLUMBING CODE, THE APPLICABLE ELECTRICAL CODES (70, 90A, AND 90C), AND ALL OTHER APPLICABLE CODES ENFORCED BY AUTHORITIES HAVING JURISDICTION OVER THE PROPERTY. THE CONTRACTOR SHALL BE REIMBURSED FOR THE COST OF CODE ISSUES THAT OCCUR IN THE BIDS. AFTER THE CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED OR TENDERED TO THE CONTRACTOR.

THE OWNER OF THESE SPECIFICATIONS, PROVIDED A COMPLETE WORKTHROUGH SHALL BE EXECUTED BY THE LANDLORD AND OWNER IN A THOROUGH MANNER UNDER THE DIRECTION AND TO THE SATISFACTION OF THE OWNER.

ALL MATERIALS REQUIRED FOR THIS WORK SHALL BE NEW, UNUSED, BEST OF ITS RESPECTIVE KINDS, AND FREE FROM DEFECTS AND OF FIRST CLASS QUALITY. BASIS OF QUALITY IS THE TEST STANDARDS OF ASTM, ANSI, FEDERAL SPECIFICATIONS OR OTHER ACCEPTABLE STANDARDS.

THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR WORK UNTIL ITS COMPLETION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SAME THAT MAY BE DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER.

THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS INSTALLED BE FREE FROM DEFECTS AND SHALL BE RESPONSIBLE IN REPAIR AND REPLACE ANY DEFECTIVE MATERIAL OR WORKMANSHIP, FREE OF COST TO THE TENANT (OWNER) FOR A PERIOD OF ONE (1) YEAR AFTER THE OPENING FOR BUSINESS.

ALL WORK SHALL BE DONE ACCORDING TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. THE CONTRACTOR SHALL PREPARE ALL REQUIRED DOCUMENTS, DRAWINGS AND PERMITTING, ALL REQUIRED TESTS AND PAY ALL REQUIRED CHARGES TO OBTAIN THESE APPROVALS.

CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE SITE FOR THE WORK BEFORE HAVING SUBMITTED THE PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.

THE PLUMBING SUBCONTRACTOR IS REQUIRED TO VISIT THE SITE DURING BIDDING AND VERIFY LOCATION(S) WHERE PLUMBING PIPING/EQUIPMENT IS INDICATED TO BE LOCATED. THE CONTRACTOR IS REQUIRED TO VERIFY EQUIPMENT, PIPING, AND EQUIPMENT/WORK/STRUCTURE (E.G. STEEL BEAMS, ETC.) TO BE INSTALLED AND / OR "EXISTING" TO REMAIN. THIS SUBCONTRACTOR IS TO VERIFY HEIGHTS TO BE INSTALLED AND TO DESCRIBE ANY DISCREPANCIES. THIS INFORMATION IS TO BE TOLD TO THE GENERAL CONTRACTOR IN WRITING BY THE CONTRACTOR.

THIS CONTRACTOR MUST PROVIDE LANDLORDS CONSTRUCTION REPRESENTATIVE WITH COPIES OF REQUIRED INSURANCE AND COPIES TO BE FURNISHED TO THE OWNER BEFORE COMMENCING WORK.

SHOP DRAWINGS & SUBMITTALS: THREE SETS OF SHOP DRAWINGS IDENTIFIED WITH PROJ. NAME OR NUMBER, FOLLOWING THE ELECTRONIC SUBMISSIONS. (1) PLUMBING FIXTURES AND TRIM - CONTRACTOR SHALL SUBMIT SHOP DRAWING OF PIPING AND FIXTURES.

BY SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS, THE CONTRACTOR REPRESENTS TO THE OWNER AND ARCHITECT THAT THE CONTRACTOR HAS (1) REVIEWED AND APPROVED THE CONTRACT DOCUMENTS, (2) DETERMINED AND VERIFIED MATERIALS USED IN THE CONTRACT DOCUMENTS, (3) WILL DO SO AND (4) CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE ARCHITECT.

THE CONTRACTOR SHALL PERFORM NO PART OF THE WORK FOR WHICH THE CONTRACT DOCUMENTS REQUIRE SUBMITTAL AND REVIEW OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNTIL THE RESPECTIVE SUBMITTAL HAS BEEN APPROVED BY THE ARCHITECT.

THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SUBMITTALS EXCEPT THAT THE OWNER MAY MAKE CHANGES IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT APPLY REQUIREMENTS OF THE CONTRACT DOCUMENTS TO THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY REQUESTED THE ARCHITECT IN WRITING OF SUCH DEViations AT THE TIME OF SUBMITTAL AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEViations AS A MINOR CHANGE IN THE CONTRACT.

A CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE HAS BEEN ISSUED AUTHORIZING THE DEViations.

THE CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION IN WRITING OR ON RESUBMITTED SHOP DRAWINGS TO THE EXISTING PLUMBING, WATER, AND SANITARY SYSTEMS. THOSE REQUESTED BY THE ARCHITECT ON PREVIOUS SUBMITTALS, IN THE ABSENCE OF SUCH REQUEST, THE ARCHITECT'S APPROVAL OF A RESUBMISSION SHALL NOT APPLY TO SUCH REVISIONS.

THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT'S APPROVAL OF THE SAME.

THE PLUMBING SUBCONTRACTOR IS A SUBCONTRACTOR OF THE TENANT'S GENERAL CONTRACTOR.

NOTCHING AND BORING OF STRUCTURAL STEEL MEMBERS IS NOT PERMITTED... WHEN HAVING TO BORING, THE CONTRACTOR IS TO USE A CHISEL TO REMOVE THE FLANGE OF BEAMS AND TOP CHORDS ONLY AT POINTS OF JOISTS / TRUSSES.

DURING BIDDING, INCLUSIVE OF THE COST TO THE CLIENT, THE PLUMBING SUBCONTRACTOR IS TO COMPLY WITH ALL PIPE SLOPE REQUIREMENTS TO EXISTING PLUMBING WASTE LINES. IF SLOPE IS NOT PROVIDED, THE CONTRACTOR IS TO FURNISH AND INSTALL THE NECESSARY "EJECTOR PUMP" WITH PIT / BASIN AND SINK TO MEET POTENTIAL "SLOPE" ISSUES.

II. WORK RESPONSIBILITY

FURNISH AND INSTALL MATERIALS, EQUIPMENT AND CONTRACTORS FOR A COMPLETE, SAFE INSTALLATION OF PLUMBING WORK IN FULL CONFORMITY WITH REQUIREMENTS OF DRAWINGS AND / OR HEREIN SPECIFIED, INCLUDING:

SANITARY DRAINS CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT REQUIRING SAME WITH FINAL CONNECTIONS TO EXISTING PRE-INSTALLED OUTLETS PROVIDED BY PRIOR TRADES. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OF ANY LOCATION DISCREPANCIES BEFORE SUBMITTING BID AND NOTIFY THE ARCHITECT OF ANY LOCATION DISCREPANCIES PROVIDED IN THE BID. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE COST OF EXCAVATING, BACKFILLING AND NEW CONCRETE MEET WITH THE LANDLORD'S APPROVAL.

SNAKE SANITARY FOR A DISTANCE OF 100 FEET AND REPORT ANY BLOCKAGE.

TEST WATER PRESSURE TO INSURE MINIMUM OF 50 PSI.

COMPLETE VENT SYSTEM: ALL FIXTURES INDIVIDUALLY VENTED WITH FINAL CONNECTION THROUGH ROOF OR TO EXISTING LANDLORD SUPPLIED COMMON VENT. ROOF PENETRATION AND FLANGE TO BE PROVIDED BY LANDLORD. ROOFER (IF APPLICABLE) COST OF NO PENETRATION AND FLANGE TO BE PAID BY THE CONTRACT, UNLESS NOTED OTHERWISE IN BID PROPOSAL (IF APPLICABLE).

DOMESTIC WATER SUPPLY SYSTEM INCLUDING CONNECTION TO EXISTING CAPPED OUTLET AND FINAL CONNECTIONS. ALL EQUIPMENT REQUIRING SAME, VERIFY EXACT LOCATION AND SIZE BEFORE SUBMITTING BID.

INSULATION OF ALL HOT AND COLD WATER PIPING, INCLUDING UNDER LAVATORY A.D.A. PIPE WRAP INSULATION.

FURNISH AND INSTALL WATER METER (IF APPLICABLE) ACCESSIBLE TO UTILITY COMPANY OR LANDLORD'S REPRESENTATIVE FOR MONITORING WATER, BUT METER SHOULD IN NO WAY BE IN THE PATH OF THE A.D.A./CABO-ANSI, 5'-0" CIRCULAR PATTERN.

COSTS FOR WORKING BELOW TENANT'S SLAB IN ANOTHER TENANT'S SPACE.  
INSTALLATION OF FLOOR DRAIN, BACKFLOW PREVENTER (IF REQ'D. BY CODE) AS PER LANDLORD REQUIREMENT AND CLEANOUT PER LOCAL CODE. COORDINATE ALL LOCATIONS WITH OPERATIONS MANAGER.

COMPLETE NATURAL GAS PIPING SYSTEMS (AS APPLICABLE, REFER TO PLANS).

## III. INSTALLATION

SLEEVES: PROVIDE #22 GAGE GALVANIZED IRON PIPE SLEEVES FOR PIPING THROUGH WALLS AND FLOOR, PACK WITH NON-ASBESTOS ROPE AND FILL WITH EXPANDO NON-SHRINKING CEMENT.

ESCUCHENONS: PROVIDE EXPOSED PIPING, BOTH BARE AND COATED WITH CP, CAST BRASS OR STAINLESS STEEL. COATED PIPING IS TO BE PAINTED WHITE, BLACK, OR SILVER.

HANGERS AND SUPPORTS: SUPPORT HORIZONTAL DRAINAGE PIPING AT LEAST 5 FEET OR AT EVERY HUB, COPPER TUBING EVERY 5 FEET AND STEEL PIPE EVERY 5 FEET WITH CHECK HANGERS AND INSULATION PROTECTION SHELLS. SUPPORT HORIZONTAL DRAINAGE PIPING FROM FLANGES OF BEAMS AND TOP HORNED PANELED JOIST AND TRUSSES. PROVIDE SWAY AND SEISMIC SUPPORTS WHERE REQUIRED.

TEST: TEST PIPING AND FROST TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF THE SYSTEM IS OBTAINED.

TEST DRAINAGE AND VENT PIPING BY FILLING WITH WATER TO OVERFLOWING AT ROOF, WATER LEVEL TO REMAIN.

TEST WATER PIPING WITH WATER TO 1-1/2 TIMES THE WORKING PRESSURE.

STERILIZATION OF DOMESTIC WATER SYSTEM: BEFORE BEING PLACED IN SERVICE, ALL WATER SYSTEMS SHALL BE STERILIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD'S REPRESENTATIVE, IN ACCORDANCE WITH A.W.W.A. SPECIFICATION: C601-59.

SLOPE: WASTE LINES 2 INCHES AND SMALLER NOT LESS THAN 1/4 INCH PER FOOT. SLOPE LARGER MAINS NOT LESS THAN 1/8 INCH PER FOOT.

INSTALL A CLEANOUT AT BASE OF EACH SOIL STACK, SHOWN AT EACH CHANGE IN DIRECTION, AT LOCAL CODE. CLEANOUTS SHALL NOT BE INSTALLED IN PUBLIC AREAS WITHOUT SPECIFIC PERMISSION BY TENANT'S CONSTRUCTION MANAGER.

DRAINS AND VENT PIPING: EXTRA HEAVY HUB AND SPIGOT CAST IRON SOIL, WITH RUBBER GASKETS CONFORMING TO ASTM TEST: C564. NO-HUB CAST IRON TO HAVE HEAVY DUTY, STAINLESS STEEL TYPE 304 STAINLESS STEEL BANDS AND SLEEVES. TYPE 304 NPS 1-1/2" TO 3" AND TYPE 316 STAINLESS STEEL BANDS AND SLEEVES.

WATER PIPING BELOW SLAB: TYPE "K" HARD COPPER TUBING, WITH CAST BRONZE OR WROUGHT COPPER SOLDER JOINT FITTINGS USING 95-5 SOLDER.

WATER PIPING ABOVE SLAB: TYPE "L" COPPER TUBING USING SILVER SOLDER.

WATER HAMMER ARRESTERS: PROVIDED ON HOT AND COLD WATER BRANCHES TO FIXTURES, SINKS, CHIEF 650 SERIES, FOR UP TO 330 PINTS. UNITS INSTALL IN ACCESSIBLE AREA.

VALVES: GATE VALVE WATTS SERIES LF9WV: 1/2" TO 1" BRONZE BODY; CHECK VALVE WATTS SERIES LF9WC: 1/2" TO 1" BRONZE BODY; BALL VALVE WATTS SERIES LF9B90B OR LF9B60B FULL PORT: 1/2" TO 2" BRONZE BODY.

TEMPERATURE / PRESSURE RELIEF VALVE: WATTS REGULATING CO. MODEL LF10L.

PRESSURE REDUCING VALVE: WATTS SERIES LF2SA1B-Z3 BRONZE BODY WITH INTEGRAL S/S STRAINER, SEALED CASE FOR 1/2" TO 2" DIA. TO 300 PSI.

ALUMINUM CASE, BLACK FINISH, OF U.S. GAUGE MODEL 5105, 4-1/2" DIAL, 1/4" STEM, AIR VENT: HOFFMAN #79 WATER MAIN VENT VALVE.

WATER METER: 1/2" TO 3/4" - MUELLER SYSTEMS 420, SERIES WITH BRONZE BODY, 1-1/2" & 2" - MUELLER SYSTEMS 500 SERIES WITH BRONZE BODY.

VACUUM RELIEF VALVE: WATTS MODEL N36-M1 BRASS BODY, 1/2" NPT LINE SIZE.

EXPANSION TANK: GOULDS PUMP MODEL V15P.

TRAP PRIMER: PPP MODEL P1-550 UP TO FOUR CONNECTIONS. OPTIONAL DISTRIBUTION UNIT REQUIRED FOR 2', 3' AND FOUR DRAIN LINES. INSTALL IN ACCESSIBLE AREA OR PROVIDED ACCESS PANEL.

MIXING VALVE: WATTS SERIES LF9MV MIXING VALVE, 1/2" LINE SIZE.

BACKFLOW PREVENTER: WATTS SERIES 919 REDUCED PRESSURE ZONE ASSEMBLY BACKFLOW PREVENTER, LINE SIZE 1/2" TO 2" TO MATCH INLET WATER LINE SIZE.

V. INSULATION:

ALL HOT AND COLD WATER PIPING AND FITTINGS SHALL BE INSULATED WITH 1" THICK RIGID FIBERGLASS WITH VAPOR BARRIER. UNJACKETED PIPING IS TO BE INSULATED WITH VAPOR BARRIER.

ALL-DA-COMPOUND: A DURABLE POLYURETHANE LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLY TO BE COVERED WITH THE MOULDED ANTIMICROBIAL TRUBRO, INC. LAV-GUARD UNDER-SINK PROTECTIVE PIPE COVER MODEL #103.

## VI. SPECIFIC PLUMBING SPECIFICATIONS

INSTALL NEW ONLY IF EXISTING DOES NOT MEET CURRENT ADA / CABO / ANSI (AS APPLICABLE) STANDARDS, OR IS DAMAGED, NOT IN WORKING ORDER OR NOT EXISTING AS SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.

IT IS THIS CONTRACTOR'S RESPONSIBILITY TO SUPPLY HANDICAPPED TOILET FIXTURES, IF REQUIRED BY CODE OR NOTED ON THE DRAWINGS, UTILIZING THE SPECIFICATION ABOVE AS NOTED. THE CONTRACTOR IS TO COORDINATE WITH THE LANDLORD'S CONSTRUCTION MANAGER AND COORDINATE WITH THE GENERAL CONTRACTOR AS WELL AS THE PLUMBING INSPECTOR'S REQUIREMENTS.

## VII. LANDLORD'S CRITERIA

THE PLUMBING CONTRACTOR IS TO BECOME FAMILIARIZED WITH LANDLORD'S CRITERIA FOR THE PROJECT AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.

## VIII. ELASTOMERIC WATERPROOFING MEMBRANE

DESCRIPTION: MANUFACTURER'S PROPRIETARY ELASTOMERIC COMPOUND FORMULATED FOR USE AS HEAVY DUTY WATERPROOF MEMBRANE UNDER CERAMIC TILE FLOORS.

REQUIRED IN WET AREAS:

TOILET ROOM:

FLOOR MUST PITCH TO FLOOR DRAIN A MINIMUM OF 1/4" PER FOOT (2% SLOPE), MAXIMUM OF 1/2" PER FOOT.

ACCEPTABLE MANUFACTURERS:

BOSTIC CONSTRUCTION PRODUCTS, HUNTINGDON VALLEY, PA.

MAPEI CORPORATION, ELK GROVE VILLAGE, IL.

THE NOBLE COMPANY, GRAND HAVEN, MI.

LATICRETE INTERNATIONAL, BETHANY, CT.

INSTALLATION: (2 COATS)

INSTALL OVER CURED CEMENT MORTAR BED AND CONCRETE FLOORS AS APPLICABLE, IN STRICT COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.

FLASH MEMBRANE 4" UP ADJACENT WALLS AND RESTRAINING SURFACES AS RECOMMENDED BY MANUFACTURER.

ALLOW MEMBRANE TO CURE PRIOR TO SETTING TILE.

DO NOT ALLOW CONSTRUCTION TRAFFIC ON MEMBRANE.

MUST BE SLEEDED AND CAULKED.

SUBMIT A COPY OF AS-BUILT DRAWINGS TO LANDLORD'S FIELD REPRESENTATIVE.

## CODE REFERENCE

2020 MINNESOTA BUILDING CODE

2020 MINNESOTA FIRE CODE

2024 MINNESOTA ENERGY CODE

2020 MINNESOTA FUEL GAS CODE

2020 MINNESOTA PLUMBING CODE

2020 MINNESOTA MECHANICAL CODE

2023 MINNESOTA ELECTRICAL CODE

2009 ICC/ANSI A117.1

## SCOPE OF WORK

1. PROVIDE ALL PLUMBING SYSTEM (COLD, HOT, DRAIN, VENT) AND DRAINAGE SYSTEMS. THE NEW RETAIL STORE WITHIN THE EXISTING BUILDING SHELL. NEW SYSTEMS SHALL CONNECT TO EXISTING BUILDING UTILITIES AS SHOWN ON PLANS AND SHALL COMPLY WITH THE 2020 MINNESOTA CONSERVATION CODE AND 2020 MINNESOTA PLUMBING CODE.
2. PROVIDE A NEW ELECTRIC STORAGE TYPE WATER HEATER IN COMPLIANCE WITH 2020 MINNESOTA PLUMBING CODE AND 2024 MINNESOTA ENERGY CODE

SINCE CODES VARY ACROSS REGIONS, IT IS THE GENERAL AND SUBCONTRACTOR'S RESPONSIBILITY TO REVIEW THE CONTRACT DOCUMENTS DURING BIDDING AND INCLUDE IN THEM THE APPROPRIATE CODES, RELATED RECOMMENDATIONS / DETAILS OR SPECIFICATIONS. IF THERE ARE ANY PROPOSED ALTERATION EQUIPMENT / INSTALLATION CHANGES, THEN THE COSTS OF THESE CHANGES SHALL BE BILLED TO THE GENERAL CONTRACTOR. IF THE CHANGES ARE NOT APPROVED, THESE CHANGES WILL NOT BE BILLED. IF THE CONTRACTOR CHANGES THE DESIGN, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INCURRING THE ADDITIONAL COSTS REQUIRED FOR THE DESIGN TO COMPLY WITH THE ORIGINAL DRAWINGS AND CHANGES.

THE CONTRACTOR, IN REGARDS TO ANY SAWCUTTING, COREDRILLING OR ANY PENETRATING OF A CONCRETE SLAB, FLOOR AND/OR ROOF, IS REQUIRED TO SURVEY DURING BIDDING AND DURING CONSTRUCTION, AND NOT TO PENETRATE THE CONCRETE SLAB, WHERE SUCH MATERIALS BEING PENETRATED IS NOT PROTECTED AND/OR NOT ROUTED IN A SPECIFIED LOCATION AS A NON-CODE COMPLIANT CONDITION. THESE CONDITIONS NEED FOR WATERPROOFING, WATERPROOFING OR OTHER CONDITION AND TO NOTIFY THE OWNER IF A PROBLEM(S) MAY EXIST, AND TO INCLUDE COSTS TO SOLVE ISSUES. IN ADDITION, IN ADDITION, NOTIFY THE ARCHITECT OF RECORD REGARDING SUCH ISSUE(S).

GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CHANGES TO APPLICATIONS NOT CONSISTENT WITH CONTRACT DOCUMENTS IN ALL CASES, INCLUDING "SELF-CERTIFICATION" BY THE ARCHITECT.

## SCHEDULE OF PIPING MATERIAL

SYSTEM OR EQUIPMENT	MATERIALS