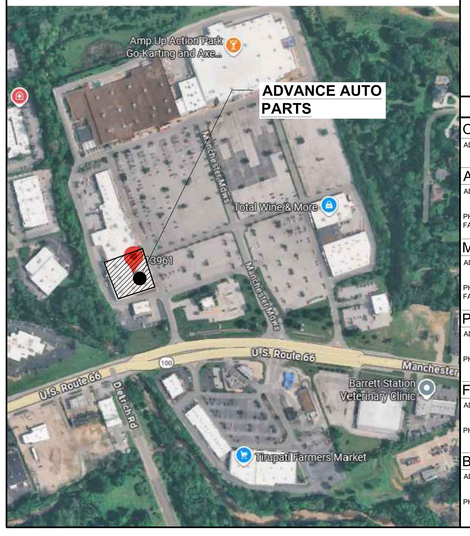
RESPONSIBILITY MATRIX

ITEM:	FURNISHED BY:	INSTALLED BY:	COMMENTS:
EAS SYSTEM	AAP	AAP	SENSORMATIC SOLUTIONS: CONTACT: SHAWN PIFER CONTROLTEK SHAWN.PIFER@CONTROLTEKUSA.COM - (908) 882-2786
SITE CAMERA	G.C.	G.C.	OXBLUE CONSTRUCTION CAMERA SERVICE CONTACT: JONATHAN GARNER 404-400-7610 JGARNER@OXBLUE.COM
STEEL	G.C.	G.C.	NATIONAL ACCOUNT PREFERRED PRICING AVAILABLE THROUGH LIBERTY STEEL FABRICATION, INC. 256-623-3027 AAP@LIBERTYSTEELINC.COM
H.V.A.C. ROOF TOP UNITS & CURBS	G.C.	G.C.	LENNOX NATIONAL ACCOUNT/NO SUBSTITUTIONS. 1-800-367-6285 OR EMAIL: ADVANCEAUTO@LENNOXIND.COM
H.V.A.C. ROOF TOP UNITS & CURBS (ALTERNATE)	G.C.	G.C.	CARRIER NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT: KEN REVILLA STRATEGIC ACCOUNT MANAGER CARRIER RETAIL STRATEGIC ACCOUNTS CELL 954-218-0070 KEN.REVILLA@CARRIER.COM
TESTING H.V.A.C. AND BALANCING	G.C.	N/A	FROM AN INDEPENDENT TEST AND BALANCE COMPANY THAT IS EITHER A MEMBER OF THE 'ASSOCIATED AIR BALANCE COUNCIL' OR THE 'NATIONAL ENVIRONMENTAL BALANCING BUREAU' CERTIFYING TO AAP THAT THE HVAC IS IN CONFORMITY WITH THE MANUFACTURER'S PERFORMANCE STANDARDS
SALES FIXTURES, SHELVING SYSTEM AND GONDOLAS	AAP	AAP	
FIRE EXTINGUISHERS	G.C.	G.C.	G.C. TO OBTAIN FIRE DEPARTMENT APPROVAL FOR FINAL LOCATIONS AND QUANTITIES. (MIN 4)
MISC. SIGNAGE (ADA REQD., CODE RQMTS, ROOM IDENTIFICATION)	G.C.	G.C.	GRAPHICS AND BRANDING TEMPLATES PROVIDED BY AAP.
EMERGENCY & EXIT LIGHTS	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT LOCKE SUPPLY COMPANY (DONALD BROWN) 804-353-2511 EMAIL: AAP@RESCOUSA.COM
EXTERIOR LIGHT FIXTURES & SITE LIGHTING	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT LOCKE SUPPLY COMPANY (DONALD BROWN) 804-353-2511 EMAIL: AAP@LOCKESUPPLY.COM
INTERIOR LIGHTING	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT US LED 866-972-9191 EMAIL: ADVANCEAUTOPARTS@USLED.COM
PLUMBING FIXTURES INCLUDES EYEWASH STATION	G.C.	G.C.	NATIONAL ACCOUNTS PREFERRED PRICING AVAILABLE THROUGH HAINES, JONES & CADBURY 800-459-7099 EMAIL: AAP@HJCINC.COM
PYLON SIGN PYLON SIGN CIRCUIT IS EXISTING, RE: ELECTRICAL	AAP	AAP	~~E.C. TO PROVIDE A SEPARATE UNDERGROUND CIRCUIT FOR PYLON SIGN. G.C. TO MAKE ALL NECESSARY CONNECTIONS AND INSTALL A WEATHERPROOF RECEPTACLE AT BASE OF POLE; AS NOTED ON PLAN.~~
ALUMINUM STOREFRONT	G.C.	G.C.	KAWNEER NATIONAL ACCOUNT/NO SUBSTITUTIONS. WWW.KAWNEER.COM SALES REP VARIES DEPENDING ON LOCATION.
BUILDING SIGNAGE	AAP	AAP	E.C. TO PROVIDE ELECTRICAL CIRCUITS AS NOTED ON PLAN.
TOILET TISSUE DISPENSER PAPER TOWEL DISPENSER SOAP DISPENSER "OPEN" SIGN AT STOREFRONT	AAP	G.C.	WILL BE SHIPPED WITH THE STORE FIXTURE PACKAGE
"COMING SOON" SIGN	AAP	AAP	AAP VENDOR. (GC TO REMOVE SIGN)
FIRE ALARM	*AAP	*AAP	E.C. TO PROVIDE ELECTRICAL CIRCUITS AS REQUIRED. ANDREW CASON - NATIONAL ACCOUNT MANAGER 5701 VILLAGE BOULEVARD, WEST PALM BEACH, FL 33409 M: 813-293-4039 E: ACASON@EVERONSOLUTIONS.COM ADT COMMERCIAL IS NOW EVERON WWW.EVERONSOLUTIONS.COM
PAINT	G.C.	G.C.	PPG NATIONAL ACCOUNT/NO SUBSTITUTIONS. COMMERCIAL SALES MANAGER RICK GARLIN EMAIL: GARLIN@PITTSBURGHPAINTS.COM MOBILE, (317) 319-5800
LOW VOLTAGE CABLES (VOICE, DATA, SPEAKERS)	AAP	AAP	AAP VENDOR TO FURNISH & INSTALL ALL CABLES AND SECURE ALL PERMITS
ROOFING (MATERIAL)	G.C.	G.C.	~~NO SUBSTITUTIONS:~~ ~~SEE ROOF PLAN (SHEET A4.0) FOR APPROVED VENDORS:~~
FLOOR FINISH FOR EXPOSED SLAB	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS: CONTACT: CURECRETE DISTRIBUTION, INC. 800-998-5664 OR WWW.ASHFORDFORMULA.COM CONTACT: W.R. MEADOWS, INC. 800-342-5976 OR WWW.WRMEADOWS.COM
PAINT MIXING ROOM ASSEMBLY	G.C.	G.C.	~~NATIONAL ACCOUNT/NO SUBSTITUTIONS:~~ ~~RE: SHEET PR1 FOR CONTACT INFORMATION~~
PAINT MIXING AREA	G.C.	G.C.	~~NATIONAL ACCOUNT/NO SUBSTITUTIONS:~~
STOREFRONT SHADES	G.C.	G.C.	~~NATIONAL ACCOUNT/NO SUBSTITUTIONS:~~ ~~ROLL-A-SHADE~~ ~~ANTOINE SESSIONS antoinesessions@rollashade.com~~ ~~PROJECT MANAGER~~ ~~P: 951.245.5077 X 131~~ ~~F: 951.245.5075~~ ~~WWW.ROLLASHADE.COM~~ ~~SHEERWEAVE 2705 OYSTER/PEWTER 5% OPENNESS. FIXED SHADES: OYSTER FACES OUTSIDE AND PEWTER FACES INSIDE.~~
WINDOW TINT	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. INSTALL WINDOW TINT AS PER MERCHANDISE PLAN. LLUMAR SINGLE PANE: DL 05 GE SR CDF - GRAY LLUMAR DOUBLE PANE: DR 15 SR CDF - GRAY GC TO VERIFY TYPE OF GLAZING IN FIELD.
AIR CURTAIN	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. JAMIE JAZWINSKI - REGIONAL SALES MANAGER POWERED AIRE, INC. OFFICE 724-588-3305 CELL 724-866-8628 JAMIEJ@POWEREDAIRE.COM WWW.POWEREDAIRE.COM
SECURITY ALARM (MONITORED BY ADT)	AAP	AAP	EVERON SOLUTIONS~~: MIKE MAYO NATIONAL ACCOUNT MANAGER~~ 5221 VALLEYPARK, VA 24019 ~~PHONE 540-589-2788~~ MICHAEL.MAYO@EVERONSOLUTIONS.COM ANDREW CARSON - ACASON@EVERONSOLUTIONS.COM
ENERGY MANAGEMENT SYSTEM (EMS)	AAP	AAP	~~NATIONAL ACCOUNT/NO SUBSTITUTIONS: CONTACT~~ BRAINBOX AI (FORMERLY TELETROL) retail.support@brainboxai.com NATIONAL ACCOUNTS HOTLINE (888) 211-6789 Fax: (855) 224-0879) DAVID WHEAT - D.WHEAT@BRAINBOXAI.COM NOTE: THE EMS SYSTEM IS TO BE INSTALLED BY THE AAP VENDOR AFTER THE PROJECT IS TURNED OVER FROM THE GC TO AAP.

UPDATE CONTACT

SITE MAP



ADVANCE AUTO PARTS

13961 Manchester Road
Ballwin (St Louis), MO 63011

THIS BOX IS FOR ADVANCE AUTO PARTS OFFICE USE ONLY

Q1-26 83x83

NEED FINAL EVERON DRAWINGS AND SCOPE TO FINALIZE RED LINE UPDATES

SCOPE OF WORK

INTERIOR FIT-UP OF AN EXISTING TENANT SPACE INTO A NEW ADVANCE AUTO PARTS STORE. INTERIOR SCOPE INCLUDES DEMOLITION OF EXISTING NON-LOAD BEARING WALLS, MODIFICATION OF EXISTING NON-LOAD BEARING WALLS, FLOORING FINISHES, INTERIOR FINISHES, AND MODIFICATION TO EXISTING ELECTRICAL, LIGHTING, HVAC SYSTEMS. NEW INSTALLATION OF SHELVING AND UPRIGHTS. EXTERIOR SCOPE IS LIMITED CLEANING & REPAIR, MODIFYING EXTERIOR EMERGENCY LIGHTING AS REQUIRED.

ANY SIGNAGE, FIRE ALARM, AND SPRINKLER WORK WILL BE PERMITTED BY OTHERS UNDER A SEPARATE PERMIT. REFER TO SPRINKLER NOTE THIS SHEET.

DEFERRED SUBMITTALS WILL BE SUBMITTED BY DESIGN PROFESSIONALS LICENSED IN THE APPLICABLE JURISDICTIONS. SEPARATE REVIEWS AND PERMITS WILL BE REQUIRED AND IS THE RESPONSIBILITY OF THE APPROPRIATE VENDORS.

- DUE TO LACK OF EXISTING BUILDING STRUCTURAL PLANS THE A4 ROOF PLAN REQUESTS THE CONTRACTOR TO VERIFY THE EXISTING ROOF STRUCTURE. A LICENSED STRUCTURAL ENGINEER WILL PROVIDE AN ANALYSIS OF THE EXISTING STRUCTURE AND GUIDANCE ON JOIST REINFORCING.

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A3 MERCHANDISE PLAN
A4 ROOF PLAN AND DETAILS
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M1 HVAC FLOOR PLAN
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E5 ELECTRICAL COMCHECK LIGHTING REPORTS

CODE ANALYSIS

A. BUILDING CRITERIA

BUILDING CODE:	2024 INTERNATIONAL BUILDING CODE*
EXISTING BUILDING CODE:	2024 INTERNATIONAL BUILDING CODE
MECHANICAL CODE:	2024 INTERNATIONAL MECHANICAL CODE*
ELECTRICAL CODE:	2023 NATIONAL ELECTRICAL CODE*
PLUMBING CODE:	2024 INTERNATIONAL PLUMBING CODE *
ENERGY CODE:	2024 INTERNATIONAL ENERGY CONSERVATION CODE *
FIRE CODE:	2024 INTERNATIONAL FIRE CODE*
OVERARCHING CODE:	2024 WEST COUNTY OVERARCHING BUILDING AND FIRE CODE
ACCESSIBILITY CODE:	2017 ICC ANSI A117.1

* - *ADOPTED W/ LOCAL AMENDMENTS*

OCCUPANCY:	MERCANTILE
BUILDING/CONSTRUCTION TYPE:	II-B
SPRINKERED:	YES
FIRE ALARM:	YES
SEISMIC ZONE (DESIGN CATEGORY):	D
SEISMIC ANCHORING REQUIRED:	YES
ALLOWABLE BUILDING AREA:	50,000 SQ. FT.
SEPARATE FIXTURE PERMIT REQUIRED:	NO, INCL. IN BLDG. PERMIT
SEPARATE LOW VOLTAGE PERMIT REQUIRED:	NO, INCL. IN BLDG. PERMIT

B. BUILDING AREA

SALES AREA:	2,326	SQ. FT.
STOCK/STORAGE AREA:	35,972	SQ. FT.
OFFICE AREA:	361	SQ. FT.
TOTAL FLOOR AREA:	38,659	SQ. FT.

C. OCCUPANT LOADING

SALES AREA @ 60/PERSON:	39	OCCUPANTS
STOCK/STORAGE AREA @ 300/PERSON:	120	OCCUPANTS
OFFICE AREA @ 150/PERSON:	3	OCCUPANTS
TOTAL OCCUPANT LOAD:	162	OCCUPANTS

(36" SWING DOOR - 34" CLEAR OPENING /0.2 EGRESS = 170 OCCUPANT LOAD)

D. EGRESS

EGRESS WIDTH REQUIRED (x0.2):	32.4"
EGRESS WIDTH PROVIDED:	204"
NUMBER OF EXITS REQUIRED:	2
NUMBER OF EXITS PROVIDED:	5

E. PLUMBING FIXTURE COUNT

162 OCCUPANTS = 81 MALE & 81 FEMALE

	REQUIRED:	PROVIDED:
MALE QUANTITIES		
TOILET ROOMS REQUIRED:	1	1
LAVATORY(IES):	1	2
WATER CLOSET(S):	1	2
URINAL(S):	0	1
FEMALE QUANTITIES		
TOILET ROOMS REQUIRED:	1	1
LAVATORY(IES):	1	2
WATER CLOSET(S):	1	2
DRINKING FOUNTAIN(S)		
NUMBER REQUIRED:	1	1
BI-LEVEL (HI/LO):	YES	YES
MOP SINK		
NUMBER REQUIRED:	1	1

MAKE T2 LIFE SAFETY PLAN - NEED FIRE ALARM DEVICES FROM FPE/EVERON

GENERAL NOTES

1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, LAWS AND REGULATIONS. CONSTRUCTION SHALL ALSO COMPLY WITH ADVANCE AUTO PARTS' CRITERIA (UNLESS PRECLUDED PER CODE.)
2. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ADVANCE AUTO PARTS OF ANY DISCREPANCIES PRIOR TO BIDDING.
3. ALL MATERIALS INDICATED AS NEW SHALL BE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED. NO SUBSTITUTIONS ALLOWED.
4. DURING THE COURSE OF CONSTRUCTION, IF THE CONTRACTOR UNCOVERS ANY CODE VIOLATIONS KNOWN TO THE CONTRACTOR OR ANY DISCREPANCY WITH THE DESIGN, SAID CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ADVANCE AUTO PARTS' CONSTRUCTION PROJECT MANAGER IMMEDIATELY.
5. CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS/PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRIAL/ASSOCIATION STANDARDS.
6. OPEN CEILING SALES AREA DESIGN: ALL MECHANICAL, ELECTRICAL AND LOW VOLTAGE SHOULD BE STRAIGHT, TRUE, PLUMB AND SQUARE TO THE BUILDING, TIED OFF CONTINUOUSLY TO STRUCTURE AS TIGHT AS POSSIBLE, AND AS CONCEALED AS POSSIBLE. NO FREE AIR OR DIAGONAL ROUTING METHODS.
7. GENERAL CONTRACTOR TO PROVIDE THE FOLLOWING CLOSE OUT DOCUMENTS:
   - 7.1. LIST OF SUBCONTRACTORS
   - 7.2. COPIES OF ALL PERMITS
   - 7.3. HVAC TEST AND BALANCE REPORT
   - 7.4. ROOF MANUFACTURERS WARRANTY
   - 7.5. PAVEMENT CERTIFICATION (ASPHALT & CONCRETE)
   - 7.6. COPY OF CERTIFICATE OF OCCUPANCY LISTING ADVANCE STORES COMPANY, INC. AS THE "OCCUPANT" D.B.A. ADVANCE AUTO PARTS.
   - 7.7. FINAL LIEN WAIVERS AND AFFIDAVITS TO BE PROVIDED BY ALL VENDORS AND SUPPLIERS FOR CONTRACTOR.
   - 7.8. ALL CLOSE-OUT DOCUMENTS ARE TO BE POSTED ELECTRONICALLY TO LUCERNEX
   - 7.9. G.C. IS TO PLACE THE STAMPED SET / CONSTRUCTION / AS BUILT DRAWINGS IN A 4" PVC TUBE. PLACE CAPS AT EACH END AND DRILL 1/4" HOLE INTO EACH END AND MOUNT IN OR ABOUT ELECTRICAL / PHONE BOARD.
8. FINAL CLEANING - COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE REQUESTING FINAL INSPECTION.
   - 8.1. REMOVE LABELS THAT ARE NOT PERMANENT LABELS.
   - 8.2. CLEAN TRANSPARENT MATERIALS, INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS. REMOVE GLAZING COMPOUND AND OTHER SUBSTANCES THAT ARE NOTICEABLE VISION-OBSCURING MATERIALS.
   - 8.3. CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHES TO A DUST-FREE CONDITION, FREE OF STAINS, FILMS AND SIMILAR FOREIGN SUBSTANCES. LEAVE CONCRETE FLOORS BROOM CLEAN.
   - 8.4. CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION. CLEAN LIGHT FIXTURES AND LAMPS.
   - 8.5. CLEAN THE SITE, INCLUDING LANDSCAPE DEVELOPMENT AREAS, OF RUBBISH, LITTER AND OTHER FOREIGN SUBSTANCES. SWEEP PAVED AREAS BROOM CLEAN; REMOVE STAINS, SPILLS AND OTHER FOREIGN DEPOSITS.
   - 8.6. COMPLY WITH REGULATIONS OF AUTHORITIES HAVING JURISDICTION AND SAFETY STANDARDS FOR CLEANING.
   - 8.7. PRESSURE WASH ENTIRE PARKING LOT AND WALKWAYS ADJACENT TO BUILDING.
9. GENERAL CONTRACTOR RESPONSIBLE TO PRODUCE WEEKLY STATUS REPORT.
10. G.C. TO PROVIDE SNOW REMOVAL SERVICES AS REQUIRED FOR STAND ALONE AND GROUND UP LOCATIONS.
11. LOCKBOX CODE FOR SPACE SHOULD BE LAST 4 DIGITS OF THE STORE NUMBER. COORDINATE WITH AAP CM.
12. G.C. IS RESPONSIBLE TO COORDINATE TRADE PERMIT SUBMISSION WITH THE RESPECTED TRADE CONTRACTORS.
13. G.C. IS RESPONSIBLE TO PROVIDE CONSTRUCTION EXTINGUISHERS AS REQUIRED BY BUILDING/FIRE INSPECTOR THROUGHOUT CONSTRUCTION PROCESS. PERMANENT FIRE EXTINGUISHERS SHALL BE INSTALLED AS SHOWN ON EGRESS PLAN & MATRIX.
14. M.C. NEEDS TO CONTACT LENNOX NATIONAL ACCOUNT COORDINATOR TO REVIEW RTU SUBMITTAL, QUOTE, AND FIELD CONDITIONS TO FINALIZE PURCHASE ORDER AND COMPLETE ALL NECESSARY DOCUMENTS AND PAYMENT TO SECURE DELIVERY OF RTUS AS SCHEDULED WITHIN CONSTRUCTION SCHEDULE.
15. G.C. TO PROVIDE LANDSCAPE SERVICES AS REQUIRED TO AREAS NOT PART OF COMMON TO THE SHOPPING MALL.
16. GENERAL CONTRACTOR TO HIRE PLUMBER TO PERFORM HYDRO-JET OF PLUMBING SYSTEM WHEN CONSTRUCTION IS COMPLETE AND PRIOR TO AAP TURN-OVER. ANY BLOCKAGE SHOULD BE REPORTED TO AAP CPM.
17. CONTRACTOR RESPONSIBLE TO VERIFY EXISTING FIRE DEPARTMENT KNOX BOX LOCATION AND KEYS WITH FIRE MARSHAL DURING INSPECTION ON SITE. CONTRACTOR SHALL PROVIDE NEW FIRE DEPARTMENT APPROVED SURFACE MOUNTED KNOX BOX AND KEYS IF NOT EXISTING ON SITE.
18. IN AREAS OF SEISMIC/HURRICANE RISK, CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND CONFIRMATION THAT ALL EXISTING TO REMAIN COMPONENTS ARE APPROPRIATELY RATED. CONTRACTOR TO CONFIRM ALL NEW COMPONENTS (INCLUDING, BUT NOT LIMITED TO: DOORS, GLASS, FRAMES, UNIT CURBS, UNIT CLIPS, ETC.) ARE SECURED AND RATED APPROPRIATELY FOR SPECIFIC SITE CONDITIONS VIA ASCE HAZARD INFORMATION ON SUBSEQUENT SHEETS.

PROJECT DIRECTORY

OWNER: — ADVANCE AUTO PARTS, INC.
ADDRESS: 1336 PLANTATION ROAD NE. ROANOKE, VA 24012
CONTACT: ADAM SHROYER
ADAM.SHROYER@ADVANCE-AUTO.COM
(602) 622-9707

ARCHITECT: — CAMBURAS & THEODORE
ADDRESS: 2454 EAST DEMPSTER STREET, SUITE 202 DES PLAINES, IL 60016
CONTACT: NICK UNDERWOOD, PROJECT MANAGER, nicku@ctarch.com
PHONE: (847) 298-1525
FAX: (847) 390-8190

MEP ENGINEER: — CAMBURAS & THEODORE
ADDRESS: 2454 EAST DEMPSTER STREET, SUITE 202 DES PLAINES, IL 60016
CONTACT: AUSTIN WRIGHT, MECHANICAL ENGINEER, austinw@ctarch.com
PHONE: (847) 298-1525
FAX: (847) 390-8190

PLANNING & ZONING:
ADDRESS: 1011 MUNICIPAL CENTER DRIVE TOWN AND COUNTRY, MO 63131
CONTACT: TIM RANDICK, PROJECT MANAGER, randickt@town-and-country.gov
PHONE: (314) 587-2822

FIRE DEPARTMENT:
ADDRESS: 223 HENRY AVENUE MACHESTER, MO 63011
CONTACT:
PHONE: (636) 256-2000

BUILDING INSPECTIONS:
ADDRESS: 1011 MUNICIPAL CENTER DRIVE TOWN AND COUNTRY, MO 63131
CONTACT:
PHONE: (314) 587-2820

COMPILE FPE /EVERON SCOPE

SPRINKLER AND FIRE ALARM SYSTEM NOTE

A FIRE SPRINKLER AND ALARM SYSTEM IS EXISTING. SYSTEM TO BE MODIFIED PER NEW LAYOUT / CONFIGURATION. ANY CHANGES MUST BE DESIGNED AND INSTALLED BY A LICENSES FIRE PROTECTIONS ENGINEER (HIRED BY G.C.) WHO SHALL PREPARE DESIGN/SHOP DRAWINGS OF THE SYSTEMS AND SUBMIT SUCH DRAWINGS TO THE BUILDING AND FIRE DEPARTMENTS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA, STANDARD 101, AND ANY OTHER STATE OR LOCAL CODES HAVING JURISDICTION. G.C. TO VERIFY IF LANDLORD REQUIRES A DESIGNATED PROVIDER OF SERVICES. G.C. TO COORDINATE FIRE ALARM REPLACEMENT WITH AAP VENDOR DURING DEMOLITION.

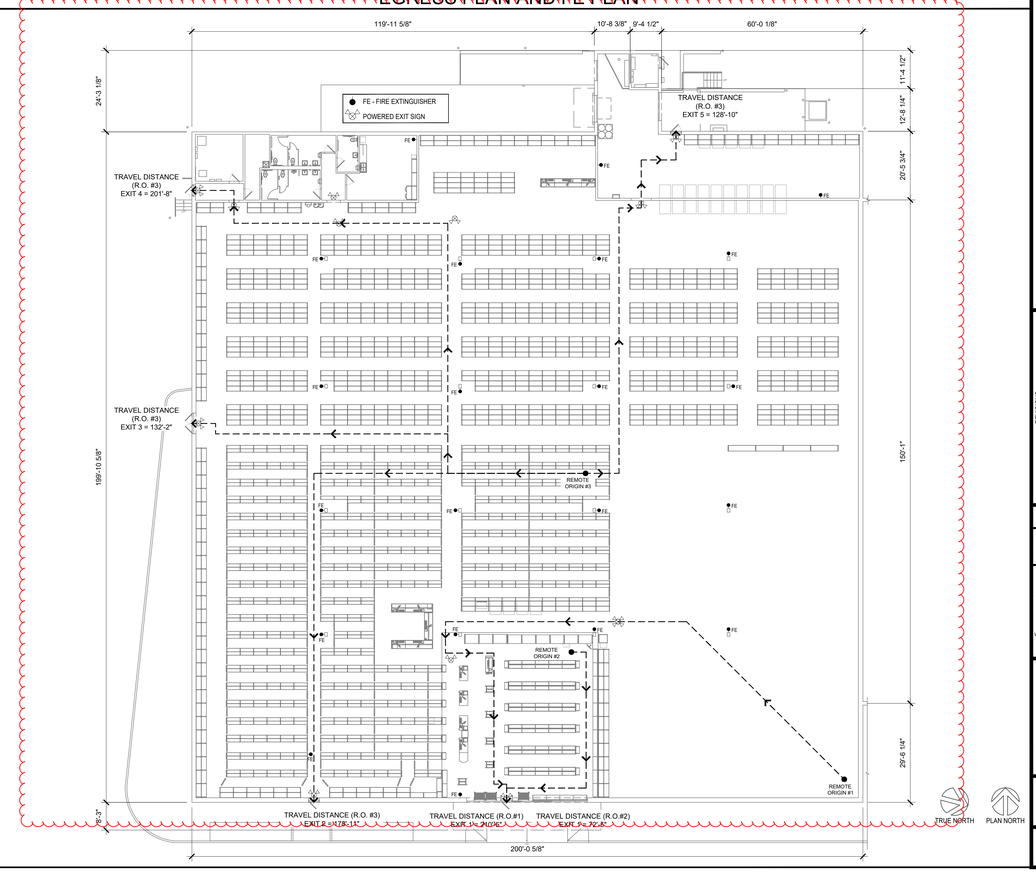
SPECIAL INSPECTIONS NOTE

ANY SPECIAL INSPECTIONS OR 3RD PARTY ENGINEERING IS THE RESPONSIBILITY OF THE G.C.
G.C. TO COORDINATE WITH THE BUILDING DEPARTMENT FOR TIMING.

SYMBOLS

- 1 / A4 — SECTION NUMBER, SHEET WHERE DRAWN, TYP.
- 1 2 — FACE OF WALL / COLUMN LINE IDENTIFIER
- FIN. FLR EL. +0'-0" — ELEVATION OF FLOOR
- 5 — NOTE REFERENCE
- 100 ROOM NAME — ROOM NAME AND NUMBER
- 3 — WALL TYPE NUMBER
- 101 — DOOR NUMBER
- 1 / A3 — EXTERIOR ELEVATION NUMBER, SHEET WHERE DRAWN
- 5 / A7 — DETAIL NUMBER, SHEET WHERE DRAWN

EGRESS PLAN AND FE PLAN



CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2454 East Dempster Street, Suite 202
Des Plaines, IL 60016
P (847)298-1525 | F (847)390-8190
www.camburasandtheodore.com

ADVANCE AUTO PARTS
STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REV	DATE	DESCRIPTION
		REVISIONS

DATE	GROSS SQ. FT.:
08-13-26	40,278 S.F.

PROJECT #: 26-0717764
DRAWN BY: AB
CHECK BY: NU

THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPLETION OF THIS PROJECT WHEN PHASED WITHOUT THE WRITTEN CONSENT OF C & T LTD. Copyright © 2026

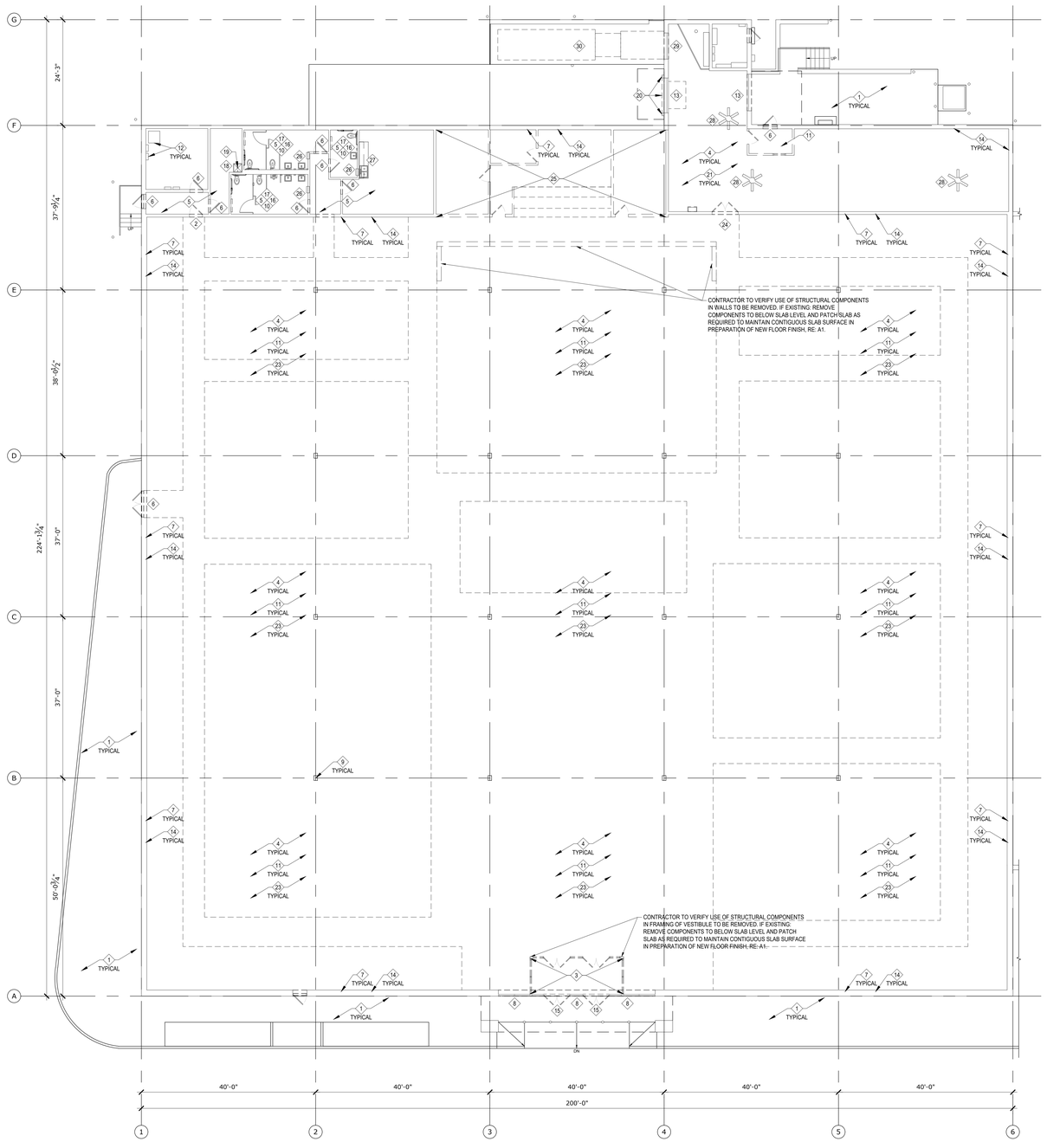
FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

Q1-26

TITLE SHEET

T1



1 / D1 DEMOLITION PLANS
SCALE: 3/32" = 1'-0"

TRUE NORTH PLAN NORTH

NOTE:
CONTRACTOR TO VERIFY REMOVAL OF ITEMS AS PART OF LL SCOPE

- PREVIOUS TENANT FF&E

IF PREVIOUS TENANT ITEMS REMAIN, CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ITEMS

NOTE:
G.C. IS RESPONSIBLE REMOVE ALL IN-SLAB ABANDONED DEVICES: FLOOR DRAIN, FLOOR SINK, POWER OUTLETS, TRENCH DRAIN, REFRIGERATION SLEEVE, HVAC DUCTWORK. REPAIR CONCRETE SLAB WORK INCLUDING PATCH, INFILL, GRINDING, ETC. FOR CONSISTENT POLISHED FLOOR FINISH.

DEMOLITION PLAN GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH THE DEMOLITION AND ARCHITECTURAL DRAWINGS. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS BEFORE BIDDING OR START OF ANY DEMOLITION WORK. CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. DEMOLITION AT NO TIME PRIOR TO OR DURING CONSTRUCTION SHALL JEOPARDIZE THE INTEGRITY OF THE EXISTING BUILDING.
3. THE CONTRACTOR TO PROTECT FROM DAMAGE ALL EXISTING FINISH WORK THAT IS TO REMAIN. ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION IS TO BE REPAIRED TO ORIGINAL STATE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER/ARCHITECT.
4. THIS PLAN SHOWS GENERAL DEMOLITION WORK TO BE PERFORMED AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK REQUIRED TO PRODUCE THE BUILDING MODIFICATION SHOWN ON REMAINING CONSTRUCTION DOCUMENTS.
5. DISPOSAL OF WASTE MATERIALS AND DEBRIS: EXCEPT WHERE NOTED, ALL WASTE MATERIALS AND DEBRIS REMOVED BECOME THE PROPERTY OF THE GENERAL CONTRACTOR WHO SHALL PROMPTLY AND LEGALLY DISPOSE OF ALL SUCH RUBBISH AND DEBRIS SHALL BE REMOVED EACH DAY AND AT THE JOB COMPLETION AND AT SUCH OTHER TIMES AS THE RUBBISH MAY ACCUMULATE TO THE EXTENT OF INTERFERING WITH THE JOB PROGRESS OR BUILDING OPERATION.
6. ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS THAT ARE TO BE REMOVED/ABANDONED SHALL BE CAPPED AT IT'S SOURCE.
7. CONTRACTOR IS RESPONSIBLE TO REVIEW ENTIRE SET AND UNDERSTAND ENTIRE SCOPE OF WORK. DEMOLITION PLANS DEFINE SPECIFIC AREAS OF WORK AND MAY NOT DETAIL FULL SCOPE REQUIRED TO COMPLETE WORK.
8. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSOCIATED UTILITY DISCONNECT FEES.
10. THE OWNER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO BEGINNING DEMOLITION WORK FOR THE EXACT LOCATIONS OF THE UTILITIES. THE CONTRACTOR SHALL ARRANGE FOR THE DISCONNECTION, PROTECTION OR RELOCATION OF ANY EXISTING UTILITY SERVICES, INCLUDING WATER, SEWER, GAS, ELECTRIC, TELEPHONE, AND CABLE.
12. THE CONTRACTOR IS REQUIRED TO ASSURE THEMSELF OF LOCATION AND DEPTH OF EXISTING UTILITIES AND RELATED FEATURES AND SHALL REPORT AT ONCE TO THE OWNER OR ENGINEER ANY DISCREPANCIES WITH RESPECT TO INFORMATION INDICATED IN THE CONTRACT DOCUMENTS.
13. ALL DEMOLISHED BUILDING MATERIALS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.
14. GAS, TELEPHONE AND ELECTRIC DISTRIBUTION SYSTEM REMOVALS AND ADJUSTMENTS SHALL BE DONE BY RESPECTIVE UTILITY COMPANIES AND PAID FOR SEPARATELY BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THIS WORK INCIDENTAL TO THE CONTRACT.
15. ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE UNLESS SPECIFICALLY SHOWN TO BE REMOVED.
16. ALL PIPES TO BE ABANDONED IN PLACE SHALL BE PLUGGED WITH MORTAR.
17. THE CONTRACTOR SHALL ENSURE THAT ALL ADJOINED AREAS, INCLUDING ADJACENT STREETS AND DRIVEWAYS, SHALL BE FREE OF DEBRIS AT ALL TIMES.
18. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED ON BOTH ENDS WITH TWO FOOT LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
19. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DEMOLITION WORK REQUIRED FOR EACH PHASE OF THE PROJECT WITH THE OWNER.
20. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF CONFLICT. SUBMIT REPORT TO THE ARCHITECT IN WRITTEN ACCURATE DETAIL PENDING RECEIPT OF DIRECTION FROM THE ARCHITECT. REARRANGE SELECTIVE DEMOLITION SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
21. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED. RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITIONS EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION WORK. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY DEMOLITION WORK.
22. NOTES ON DEMOLITION PLAN ARE TYPICAL AND NOT ALWAYS REPEATED IN EVERY INSTANCE. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS.
23. ALL EXISTING ROOF MOUNTED MECHANICAL EQUIPMENT, NOT USED, SHALL BE REMOVED. PROVIDE WATER TIGHT INSULATED ROOF CAP AND PATCH ROOFING AS REQUIRED. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
24. ADJACENT TENANTS WILL REMAIN IN OPERATION DURING THE DURATION OF THE PROJECT. CONTRACTOR SHALL COMMUNICATE CONSTRUCTION SCHEDULE WITH TENANT COORDINATOR MAINTAINING A (2) WEEK FORECAST. ALL PROJECT PHASING SHALL BE APPOINTED BY CONSTRUCTION MANAGER.
25. STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NO FEWER THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH SECTION 906 AND SIZED FOR NOT LESS THAN ORDINARY HAZARD AS FOLLOWS:
    25.1. AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
    25.2. N EVERY STORAGE AND CONSTRUCTION SHED.
    25.3. ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST, SUCH AS THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
26. CONTRACTOR IS RESPONSIBLE TO PROVIDE TOILET FACILITIES DURING CONSTRUCTION PHASE. DEMOLITION OF EXISTING FIXED TOILET ROOMS WILL REQUIRE PORTABLE TOILET FACILITIES WHEN FIXED ARE NO LONGER AVAILABLE.
27. MAINTENANCE OF MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ONE REAR AND ONE FRONT EGRESS DOOR MUST BE OPERATIONAL AND FREE OF OBSTRUCTION AT ALL TIMES.
28. FIRE SAFETY DURING DEMOLITION SHALL COMPLY WITH ALL LOCAL FIRE AND BUILDING CODES. THE GC IS RESPONSIBLE FOR A FIRE SAFETY PLAN, PERSONNEL TRAINING, AND PRECAUTIONS.
29. EXISTING SPRINKLER SYSTEM SHALL REMAIN IN OPERATION DURING CONSTRUCTION. GC TO TAKE PRECAUTIONS TO NOT DAMAGE SPRINKLER MAINS, BRANCHES, AND HEADS.

DEMOLITION PLAN KEY NOTES:

1. EXISTING EXTERIOR CONCRETE WALK TO REMAIN. PRESSURE WASH SURFACES TO LIKE-NEW CONDITION.
2. EXISTING DOOR AND FRAME TO BE REMOVED. PATCH AND PREP OPENING FOR NEW PAINT. SALVAGE DOOR AND FRAME TO BE STORED, COORDINATE W/ AAP CM.
3. EXISTING ENTRY VESTIBULE TO BE REMOVED IN ITS ENTIRETY. PATCH ADJACENT SURFACES TO REMAIN AS REQUIRED.
4. EXISTING LIGHT FIXTURES ABOVE TO BE REMOVED. REFER TO A5 AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION AND NEW LIGHTING LAYOUT.
5. EXISTING CEILING AND GRID ABOVE (WHERE APPLICABLE) TO REMAIN. CLEAN CEILING TO LIKE-NEW CONDITION. SPOT REPLACE DAMAGED/MISSING CEILING TILES AS NEEDED.
6. EXISTING DOOR AND FRAME TO REMAIN. REFER TO A1 AND A2 FOR NEW TREATMENT OF EXISTING DOORS.
7. EXISTING INTERIOR WALL DRYWALL TO REMAIN. REMOVE PERIMETER WALL BLOCKING, DECOR, SIGNAGE, HANGERS, TRIM, AND BASE. PATCH, REPAIR AND PROVIDE NEW BASE AS REQUIRED.
8. EXISTING STOREFRONT WINDOWS, FRAMES, AND SILLS TO REMAIN. CLEAN TO LIKE-NEW CONDITION. REFER TO A3 AND A6 FOR NEW WINDOW TREATMENT.
9. EXISTING COLUMNS AND ENCLOSURES, BASE WRAPS (WHERE APPLICABLE) TO REMAIN. PROTECT DURING CONSTRUCTION.
10. EXISTING PLUMBING FIXTURES TO REMAIN, SERVICE AND CLEAN TO LIKE-NEW CONDITION. REFER TO A1 AND A2 FOR ADDITIONAL INFORMATION.
11. EXISTING FLOORING AND MASTIC TO BE REMOVED DOWN TO EXISTING SLAB. GRIND, PATCH, AND FILL EXPOSED CONCRETE FOR CONSISTENT SMOOTH SLAB SURFACE IN PREPARATION OF NEW SLAB FINISH. REFER TO A1 AND A3.
12. EXISTING ELECTRICAL EQUIPMENT TO REMAIN. REFER TO ELECTRICAL SHEETS FOR RELEVANT SCOPE OF WORK.
13. EXISTING OVERHEAD DOOR AND RELATED ACCESSORIES TO REMAIN. CLEAN AND SERVICE TO LIKE-NEW CONDITION.
14. REMOVE ALL ABANDONED MOUNTING BRACKETS, CONDUIT, HOSES, LOW VOLTAGE, IT, ETC. PATCH AND REPAIR VOIDS AND DAMAGED/MOLDY GYPSUM BOARD COMPLETELY IN PREPARATION FOR NEW LEVEL 4 FINISH. TYPICAL FOR ALL PERIMETER WALLS INSIDE SPACE.
15. EXISTING STOREFRONT SWING DOOR TO BE REMOVED IN ITS ENTIRETY. PREPARE OPENING TO RECEIVE STOREFRONT INFILL. REFER TO A1 & A6 FOR NEW TREATMENT OF EXISTING OPENING.
16. EXISTING RESTROOM FINISHES TO REMAIN. PATCH AND REPAIR AS REQUIRED, CLEAN TO LIKE-NEW CONDITION.
17. EXISTING TOILET ROOM ACCESSORIES TO BE REMOVED AS INDICATED AND REPLACED WITH NEW. REFER TO A1 & A2 FOR ADDITIONAL INFORMATION.
18. EXISTING WATER HEATER ABOVE TO BE REMOVED AND REPLACED WITH NEW. REFER TO A2 AND PLUMBING FOR ADDITIONAL INFORMATION.
19. EXISTING MOP SINK TO REMAIN. CLEAN AND SERVICE FIXTURE TO LIKE-NEW CONDITION.
20. EXISTING DOCK SEALS, BUMPERS, AND LEVELER TO REMAIN. CLEAN SEALS AND BUMPERS AND SERVICE LEVELER TO LIKE-NEW CONDITION.
21. EXISTING SLAB TO REMAIN. PATCH AS REQUIRED TO MAINTAIN CONTIGUOUS SLAB SURFACE.
22. ~~EXISTING DRINKING FOUNTAIN TO REMAIN. CLEAN AND SERVICE TO LIKE-NEW CONDITION.~~
23. REMOVE ALL ABANDONED EMPTY CONDUIT, AUDIO/VISUAL, SPEAKERS, LOW VOLTAGE CABLING, LOW VOLTAGE DEVICES, ETC FROM EXPOSED STRUCTURE.
24. EXISTING TRAFFIC SWING DOORS TO BE REMOVED. FRAME TO REMAIN, PATCH AND PREP FOR NEW PAINT.
25. REMOVE EXISTING OFFICE CORE IN ITS ENTIRETY (CARPET, DESKS, SHELVES, BRACKETS, IT EQUIPMENT, MILLWORK, ETC). PATCH SLAB AND WALLS TO REMAIN, PREPARE TO RECEIVE NEW FINISH, RE: A1.
26. REMOVE EXISTING HAND DRYER FROM RECESSED PANEL. PATCH PANEL TO REMAIN AND RECEIVE NEW AAP ACCESSORY FIXTURE, RE: A2.
27. EXISTING BREAK ROOM KITCHENETTE TO REMAIN. CLEAN TO LIKE-NEW CONDITION. REPLACE SINK FAUCET WITH NEW, REFER TO PLUMBING.
28. REMOVE EXISTING CEILING FAN ABOVE IN ITS ENTIRETY.
29. EXISTING COMPACTOR ROLL-UP DOOR TO REMAIN. CLEAN AND SERVICE TO LIKE-NEW CONDITION.
30. EXISTING COMPACTOR, CHUTE, AND RELATED COMPONENTS TO BE REMOVED IN ITS ENTIRETY. PREPARE ACCESS DOOR FOR NEW TREATMENT, RE: A1, A6.

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2400 Boulevard of the Generals, 202
Des Plaines, IL 60018
P (847)298-1525 | F (847)390-8100
www.camburasandtheodore.com

ADVANCE AUTO PARTS
STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REVISIONS		
KEY	DATE	DESCRIPTION

DATE 08-13-26
GROSS SQ. FT. 40,278 S.F.
PROJECT # 26-071764
DRAWN BY: AB
CHECK BY: NU

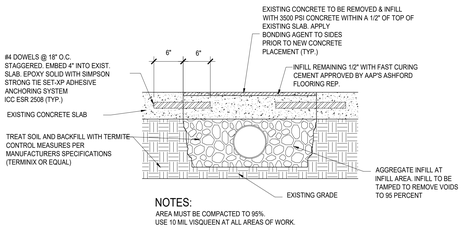
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FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION
Q1-26

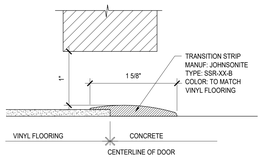
DEMOLITION PLAN

D1

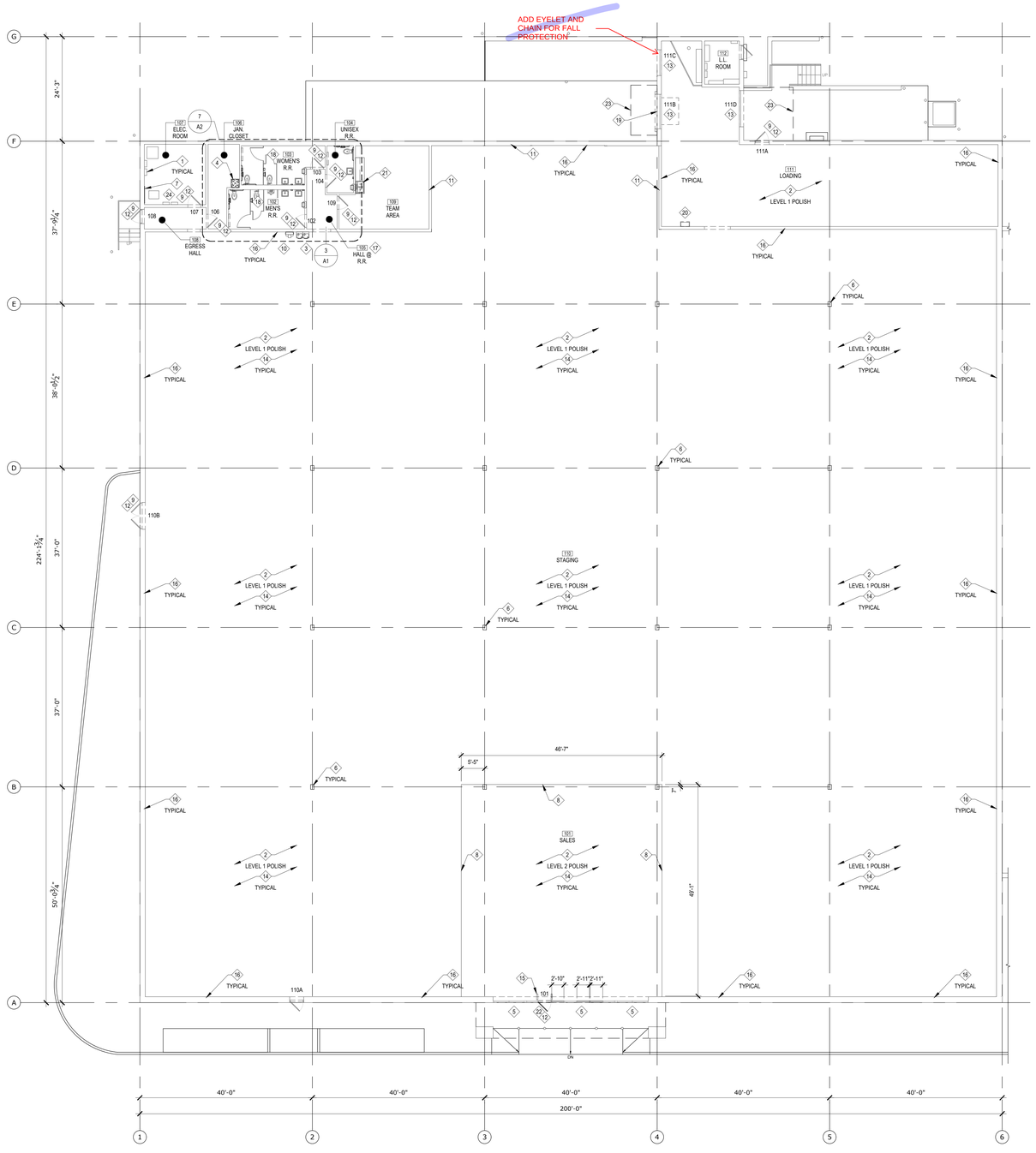


NOTES:
AREA MUST BE COMPACTED TO 95%.
USE 10 MIL VISQUEEN AT ALL AREAS OF WORK.

2 / A1 TRENCHING INFILL DETAIL
SCALE: 1 1/2" = 1'-0"



3 / A1 FLOOR TRANSITION DETAIL
SCALE: FULL



1 / A1 FLOOR PLAN
SCALE: 3/32" = 1'-0"

TRUE NORTH PLAN NORTH

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLR / BASE						WALLS				CEILING						CEILING HEIGHT	REMARKS
		VCT-1	PC-1	VB-1	VCT-2	CONC	(E) CT	(E) LVT	(E) VCT	IP-2	FRP	IP-1	PAINT IP-2	CRF BD IP-1	ACT-1	GWB	(E) ACT		
101	SALES		●	●					●			●						OPEN	PROVIDE TOUCH-UP OF EXISTING PAINTED DECK AS REQUIRED.
102	MEN'S R.R.							●		●		●					●	(E)8'-0"	DOORS, FRAMES AND TRIM TO BE IP-2. PAINT GWB IP-1. CT TO BE CLEANED TO LIKE-NEW.
103	WOMEN'S R.R.							●		●		●					●	(E)9'-0"	NOTE - THE WALLS ON THE EXTERIOR OF THE RESTROOMS ARE TO BE IP-1
104	UNISEX R.R.							●		●		●					●	(E)9'-0"	FRP IS NOT TO BE PAINTED
105	HALL @ R.R.		●						●								●	(E)9'-0"	DOORS, FRAMES AND TRIM TO BE IP-2.
106	JAN. CLOSET						●		●		●					●		(E)9'-0"	DOORS, FRAMES AND TRIM TO BE IP-2.
107	ELEC. ROOM						●		●				●					OPEN	PROVIDE TOUCH-UP OF EXISTING PAINTED DECK AS REQUIRED.
108	EGRESS HALL		●					●	●								●	(E)9'-0"	DOORS, FRAMES AND TRIM TO BE IP-2.
109	TEAM AREA		●					●	●								●	(E)9'-0"	DOORS, FRAMES AND TRIM TO BE IP-2.
110	STAGING	●	●						●			●						OPEN	PROVIDE TOUCH-UP OF EXISTING PAINTED DECK AS REQUIRED.
111	STAGING	●	●						●			●						OPEN	
112	L.L. ROOM																	OPEN	SCOPE LIMITED TO REQUIRED ELECTRICAL WORK, RE: ELEC SHEETS

MATERIAL SCHEDULE

	MATERIAL:	LOCATION:
FLOORING		
PC-1	ASHFORD (OR) W.R. MEADOWS POLISHED CONCRETE. COORDINATE WITH AAP PROJECT MANAGER.	ENTIRE SALES FLOOR AREA AND TOILET ROOMS - REFER TO RESPONSIBILITY MATRIX ON SHEET T1 FOR ADDITIONAL INFORMATION.
VCT-1	ARMSTRONG CLASSIC WHITE: 51911 STANDARD EXCELON IMPERIAL TEXTURE. CLASSIC WHITE. 12" x 12" x 1/8".	RESTROOMS FLAME SPREAD - 0 SMOKE DEVELOPED - 30
VCT-2	ARMSTRONG CLASSIC WHITE: 51911SZ CLASSIC WHITE. SLIP RESISTANT FLOORING. 12" X 12" X 1/8".	VESTIBULE FLAME SPREAD - 0 SMOKE DEVELOPED - 30
BASE		
VB-1	4" BLACK VINYL BASE - ARMSTRONG, JOHNSONITE OR ROPPE.	INSTALL ON WALLS THAT DO NOT RECEIVE FIXTURES. CLASS C FLAME SPREAD: 0.45 SMOKE DEVELOPED: 450 OR LESS
CEILING		
GB-1	USG 1/2" GYPSUM BOARD	FRAMED TOILET ROOM WALLS. CMU WALLS DO NOT RECEIVE GWB.
ACT-1	ARMSTRONG 755 WHITE FISSURED SQUARE EDGE 24"x48"	RESTROOMS CLASS A: ASTM E84 AND CAN/ULC S102 SURFACE BURNING CHARACTERISTICS. FLAME SPREAD INDEX OF 25 OR LESS. SMOKE DEVELOPED INDEX OF 50 OR LESS (UL LABELED).
INTERIOR PAINT		
IP-1	AAP-INT1 DELICATE WHITE (PPG1001-1)	DRYWALL, BLOCK WALLS, SMOKE DEVELOPED: 35 - 60
IP-2	AAP-INT2 PPG SILVER BAND (PPG0995-3)	COLUMNS, DOORS, JAMBS AND INTERIOR RESTROOM WALLS SMOKE DEVELOPED: 35 - 60
IP-3	AAP-SPEEDHIDE BLOCK FILLER (PPG1001-1)	BLOCK WALLS
FIBERGLASS REINFORCED PANELS		
FRP-1	MARLITE WHITE FIBERGLASS REINFORCED PANELS	WALLS ADJACENT TO THE MOP SINK AND EWC WALL CLASS C, FLAME SPREAD: 110 SMOKE DEVELOPED: 300

INTERIOR PAINT SPECIFICATIONS ADVANCE AUTO PARTS (UPDATED DECEMBER 2024)

1.0 DRYWALL / GYPSUM BOARD:
PRIME: 1 COAT PPG SPEEDHIDE 6-2 INTERIOR QUICK DRY PRIMER SEALER
FINISH: 2 COATS PPG SPEEDHIDE 6-411ZV EGGSHELL INTERIOR ENAMEL
COLOR TO BE: IP1 AAP-INT 1 - PPG 1001-1 DELICATE WHITE
(TOILET ROOMS ARE TO HAVE PPG SEMI-GLOSS FINISH #6-500ZV ON BOTH INSIDE AND OUTSIDE WALLS)

1.1 TOILET ROOM DOORS AND TRIM:
PRIME: 1 COAT PPG SEAL GRIP 17-921XI PRIMER SEALER
FINISH: 2 COATS PPG SPEEDHIDE 6-500ZV INTERIOR SEMI-GLOSS ENAMEL
COLOR TO BE: IP2 AAP-INT 2 - PPG 0995-3 SILVER BAND

1.2 INTERIOR BLOCK WALLS:
PRIME: 1 COAT PPG SPEEDHIDE 6-15XI HI-FILL BLOCK FILLER
FINISH: 2 COATS PPG SPEEDHIDE 6-411ZV EGGSHELL INTERIOR ENAMEL
COLOR TO BE: IP1 AAP-INT 1 - PPG 1001-1 DELICATE WHITE

1.3 METAL COLUMNS AND METAL REAR DOOR:
PRIME: 1 COAT PPG PITT-TECH 90-1912 DTM WB PRIMER SEALER
FINISH: 2 COATS PPG BREAKTHROUGH V-52 SATIN ENAMEL
COLOR TO BE: IP1 AAP-INT 2 - PPG 0995-3 SILVER BAND

1.4 METAL BAR JOIST, DUCTWORK AND CEILING DECKING:
NEW CONSTRUCTION SPECIFICATION:
PRIME: FACTORY PRIMED GRAY. CLEAN AND SPOT PRIME ANY FLASH RUST OR BARE AREAS WERE FACTORY PRIMER WAS DAMAGED. PRIME USING PPG 4160 RUST INHIBITIVE PRIMER TO MATCH GRAY.
REMODEL / UP-FIT SPECIFICATION:
PRIME: SPOT PRIME TO COVER ANY BARE AREAS OF DECKING OR DUCT WORK. PRIME USING PPG 90-1912 PITT TECH DTR WB PRIMER SEALER. FOR WIDE-SPREAD RUST OR SURFACE ISSUES - PLEASE CONTACT YOUR LOCAL PPG SALESPERSON. FOR RECOMMENDATIONS PRIOR TO PAINTING.
FINISH: PPG SPEEDHIDE 6-725XI INTERIOR DRY-FOG
COLOR TO BE: IP2 AAP-INT 2 - PPG 0995-3 SILVER BAND

REFER TO PRODUCT DATA SHEETS AND LABEL FOR SPECIFIC APPLICATION INSTRUCTIONS AND DRY TIMES. (ADVANCE AUTO SPECS (INTERIOR) G10)

FLOOR PLAN KEY NOTES:

1. ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. AREA OF EXISTING SLAB TO RECEIVE NEW SEALED FLOOR FINISH. ASHFORD FORMULA BY CURECRETE CHEMICAL COMPANY, INC. RE: CONCRETE FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFORMATION.
3. NEW DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. WATER HEATER MOUNTED ON PLATFORM ABOVE. SEE A2 AND PLUMBING DRAWINGS FOR ADDITIONAL INFO.
5. ALUMINUM STOREFRONT AND GLAZING. CONFIRM OPENING DIMENSIONS FOR NEW STOREFRONTS IN EXISTING OPENINGS. REFER TO SHEET A6 FOR ADDITIONAL INFORMATION.
6. EXISTING COLUMN, PAINT IP-2 ABOVE BASE WRAPS (WHERE APPLICABLE).
7. 4'x10'x1/4" APA RATED PLYWOOD BACKBOARD. REFER TO SHEET E4 FOR ADDITIONAL INFO.
8. CONCRETE SLAB GLOSS TRANSITION LINE. REFER TO FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFO AND SHEET A3 FOR FINAL DIMENSIONED LOCATION.
9. EXISTING DOOR AND FRAME TO REMAIN. REFER TO A2 DOOR SCHEDULE FOR ADDITIONAL INFO. PAINT AS SCHEDULED.
10. BRADLEY WALL MOUNTED EMERGENCY EYE WASH S19-921 W/ S19-399 WASTE CART. REFER TO RESPONSIBILITY MATRIX FOR ORDERING INFORMATION. G.C. TO INSTALL AND PROVIDE 1 YEAR OF SOLUTION.
11. CONTRACTOR TO EXTEND EXISTING PERIMETER GYPSUM ASSEMBLY UP TO STRUCTURAL DECKING (OR 6" ABOVE NEW CEILING) WHERE EXISTING CEILING IS BEING REMOVED.
12. INSTALL ACCESSIBLE ALUMINUM THRESHOLD ON EXTERIOR AND INTERIOR DOORS.
13. EXISTING OVERHEAD DOOR AND RELATED DOCK SHELTER. CLEAN AND SERVICE TO LIKE-NEW CONDITION.
14. G.C. TO PROVIDE TOUCH-UP PAINTING OF EXISTING DECK AND STRUCTURE AS REQUIRED, RE: ROOM FINISH SCHEDULE.
15. NEW EAS SYSTEM - SEE ELECTRICAL PLANS. COORDINATE FINAL PLACEMENT WITH SUPPLIER.
16. EXISTING PERIMETER WALLS TO BE PAINTED FOLLOWING DEMOLITION AND PATCHING. REFER TO FINISH SCHEDULE.
17. EXISTING FLOORING TO REMAIN. REPLACE DAMAGED OR MISSING TILE/PLANKS AS REQUIRED.
18. IN EXISTING TOILET ROOMS: FINISHES TO REMAIN. POWER WASH EXISTING TILE TO LIKE-NEW CONDITION, RE-GROUT AS REQUIRED. REPAIR DAMAGED OR MISSING FINISHES AS REQUIRED.
19. EXISTING DOCK LEVELER. CLEAN AND SERVICE TO LIKE-NEW CONDITION.
20. EXISTING ROOF LADDER TO REMAIN.
21. EXISTING KITCHENETTE TO REMAIN. CLEAN SURFACES TO LIKE-NEW CONDITION. SINK TO RECEIVE NEW FAUCET, REFER TO PLUMBING.
22. NEW ALUMINUM SWING DOOR AND HARDWARE IN EXISTING STOREFRONT FRAMING. CONTRACTOR RESPONSIBLE FOR VERIFY OPENING AND FRAMING. REFER TO DOOR SCHEDULE FOR INFORMATION.
23. EXISTING LOADING DOOR CANOPY TO REMAIN. PRESSURE WASH AND CLEAN.
24. EXISTING FIRE ALARM PANEL AND CONTROLLER TO REMAIN

CONCRETE FLOOR FINISH 2021

1.04 QUALITY ASSURANCE
A. SEE RESPONSIBILITY MATRIX (SHT. T-1 OF PLANS) AND SECTION 2.01 OF THIS SPECIFICATION, FOR INFORMATION REGARDING AUTHORIZED APPLICATORS.
B. COORDINATION WITH A SPECIFICATION REPRESENTATIVE IS REQUIRED PRIOR TO POURING OF THE SLAB, AND PRIOR TO APPLICATION OF THE HARDENER-DENSIFIER.

1.05 DELIVERY, STORAGE, AND HANDLING
A. DELIVER MATERIALS TO SITE IN MANUFACTURER'S ORIGINAL, UNOPENED, FACTORY NUMBERED CONTAINERS AND PACKAGING, WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER.
B. RECORD NUMBERS FOR OWNER'S RECORDS. STORE MATERIALS IN A CLEAN, DRY AREA IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. KEEP PRODUCT FROM FREEZING.
D. AVOID DIRECT CONTACT WITH THIS PRODUCT AS IT MAY CAUSE MILD TO MODERATE IRRITATION OF THE EYES AND/OR SKIN.
E. PROTECT MATERIALS DURING HANDLING AND APPLICATION TO PREVENT DAMAGE OR CONTAMINATION.

1.06 PROJECT CONDITIONS AND ENVIRONMENTAL REQUIREMENTS
A. DO NOT INSTALL PRODUCT UNDER ENVIRONMENTAL CONDITIONS OUTSIDE OF MANUFACTURER'S ABSOLUTE LIMITS.
B. DO NOT APPLY CONCRETE DENSIFIER AND CHEMICAL HARDENER WHEN CONCRETE TEMPERATURE IS BELOW 35º F (2º C) OR ABOVE 135º F (57º C).
C. DO NOT USE FROZEN MATERIAL. THAW AND AGITATE PRIOR TO USE.
D. DO NOT USE ON HIGHLY DENSE OR NON-POROUS SURFACES.
E. NO SATISFACTORY PROCEDURES ARE AVAILABLE TO REMOVE PETROLEUM OR RUST STAINS FROM CONCRETE. PREVENTION IS THEREFORE ESSENTIAL. TAKE PRECAUTIONS TO PREVENT STAINING OF CONCRETE PRIOR TO APPLICATION OF HARDENER-DENSIFIER AND FOR MINIMUM OF THREE MONTHS AFTER APPLICATION.
F. IT IS RECOMMENDED THAT THE CONCRETE SLAB IS POURED AFTER ERECTION OF WALLS AND STEEL ROOF STRUCTURE, HOWEVER, IF CONDITIONS DO NOT ALLOW, THEN THE SLAB MUST BE PROTECTED BY 1/2" PLYWOOD OVER 6-MIL VISQUEEN WHILE MASONRY AND STEEL ERECTION TAKE PLACE.
G. PROHIBIT PARKING OF VEHICLES ON CONCRETE SLAB.
H. IF CONSTRUCTION EQUIPMENT MUST BE USED FOR ADDITIONAL TRADES, THEN THE SLAB MUST BE CONTINUALLY PROTECTED BY 1/2" PLYWOOD OVER 6-MIL VISQUEEN.
I. PROHIBIT PIPE CUTTING USING PIPE CUTTING MACHINERY ON CONC. SLAB
J. PROHIBIT TEMPORARY PLACEMENT AND STORAGE OF STEEL MEMBERS ON CONCRETE SLAB.

1.07 WARRANTY
A. PROVIDE MANUFACTURER'S WARRANTY THAT A STRUCTURALLY SOUND CONCRETE SURFACE PREPARED AND TREATED ACCORDING TO THE MANUFACTURER'S DIRECTIONS WILL REMAIN PERMANENTLY DUSTPROOF, HARDENED AND WATER REPELLENT. IF AFTER THE SPECIFIED SEALING PERIOD THE TREATED SURFACE DOES NOT REMAIN DUSTPROOF, HARDENED AND WATER REPELLENT, PROVIDE, AT MANUFACTURER'S EXPENSE, SUFFICIENT MATERIAL TO TREAT DEFECTIVE AREAS.

PART 2 PRODUCTS

2.01 MANUFACTURER
A. ACCEPTABLE MANUFACTURERS: ASHFORD FORMULA BY CURECRETE DISTRIBUTION, INC. W.R. MEADOWS INC.

2.02 MATERIALS
A. PERFORMANCE BASED SPECIFICATION: CONCRETE DENSIFIER AND CHEMICAL HARDENER COMPOUND SHALL BE A READY-TO-USE, WATER-BASED, COLORLESS LIQUID FORMULATED WITH CHEMICALLY REACTIVE RAW MATERIALS THAT MEETS THE MAXIMUM VOC CONTENT LIMITS OF 400 G/L FOR CONCRETE PROTECTIVE COATINGS AS REQUIRED BY THE U.S. EPA ARCHITECTURAL COATINGS RULE.
B. PROPRIETARY BASED SPECIFICATION: CONCRETE DENSIFIER CHEMICAL HARDENER AND CURING COMPOUND SHALL BE LIQUI-HARD AS MANUFACTURED BY W. R. MEADOWS.
C. PROPRIETARY BASED SPECIFICATION: ASHFORD FORMULA AS MANUFACTURED BY CURECRETE DISTRIBUTION

PART 3 EXECUTION

3.01 EXAMINATION
A. EXAMINE SURFACES TO RECEIVE CONCRETE DENSIFIER AND CHEMICAL HARDENER. NOTIFY ARCHITECT AND AAP PROJECT MANAGER IF SURFACES ARE NOT ACCEPTABLE. DO NOT BEGIN APPLICATION UNTIL UNACCEPTABLE CONDITIONS HAVE BEEN CORRECTED.

3.02 SURFACE PREPARATION
A. PROTECT ADJACENT SURFACES NOT DESIGNATED TO RECEIVE TREATMENT.
B. CLEAN AND PREPARE SURFACES TO RECEIVE TREATMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, ENSURING THAT ALL STAINS, OIL, GREASE, FORM RELEASE AGENTS, DUST AND DIRT, AND REMNANTS OF THE CURING COMPOUND ARE REMOVED PRIOR TO APPLICATION.

3.03 APPLICATION
A. APPLY CONCRETE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. ENSURE APPLICATION EQUIPMENT IS CLEAN AND FREE OF PREVIOUSLY USED MATERIALS.
C. DO NOT DILUTE CONCRETE DENSIFIER AND CHEMICAL HARDENER.
D. NEW CONCRETE: WR MEADOWS OPTION. APPLY CURE-HARDENER-DENSIFIER TO NEW CONCRETE AS SOON AS THE SURFACE WATER DISAPPEARS AND THE SURFACE WILL NOT BE MARRED BY WALKING WORKMEN, WITHIN 2 TO 12 HOURS OF CONCRETE PLACEMENT.
ASHFORD OPTION. APPLY CURE-SEAL-HARDENER TO NEW CONCRETE AS SOON AS THE CONCRETE IS FIRM ENOUGH TO WORK ON AFTER TROWELING, EXCEPT ON COLORED CONCRETE WAIT MINIMUM OF 30 DAYS.
a. APPLY UNDILUTED CONCRETE DENSIFIER AND CHEMICAL HARDENER AT RATE PER MANUFACTURER'S RECOMMENDATION, USING A LOW-PRESSURE SPRAYER OR BY SPREADING EVENLY WITH A SOFT-BRISTLED BROOM.
b. SQUEEGEE SURFACE COMPLETELY DRY, FLUSHING ANY REMAINING SUPPERY AREAS UNTIL NO RESIDUE REMAINS.
c. WET VACUUM OR SCRUBBING MACHINES MAY BE USED TO REMOVE RESIDUE, PROVIDED MANUFACTURER'S INSTRUCTIONS ARE FOLLOWED. USE OF MOPS IS PROHIBITED.
E. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
F. IF THIS IS THE APPLICATOR'S FIRST PROJECT USING THIS PRODUCT, PROVIDE THE MANUFACTURER'S TECHNICAL REPRESENTATIVE ON-SITE TO FAMILIARIZE INSTALLERS WITH PROPER PROCEDURES.
G. PREVENT DAMAGE TO AND SOILING OF ADJACENT WORK.

3.04 BURNISHING/POLISHING
A. BURNISH TREATED FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. AND THE FOLLOWING:
a. FOR NEW CONCRETE, ALLOW DENSIFIER AND HARDENER TO "CURE" FOR A MINIMUM OF 28 DAYS BEFORE BEGINNING BURNISHING.
b. FOR EXISTING CONCRETE, ALLOW 24 HOURS FOLLOWING APPLICATION, THOROUGHLY CLEANING FLOOR BEFORE BEGINNING BURNISHING OR GRINDING.
c. FOR NEW AND EXISTING FLOORS, BURNISH FLOOR SURFACE BY SUCH MEANS TO ACHIEVE CPAA LEVEL 2 WITH A GLOSS READING OF 40-50 IN THE SALES AREA AND A LEVEL 1 IN REMAINDER OF STORE.

3.05 PROTECTION
A. PROTECT FINISHED POLISHED CONCRETE FLOORING FROM FOOT TRAFFIC FOR A MINIMUM 12 HOURS IS AFTER APPLICATION OF CONCRETE DENSIFIER-CHEMICAL HARDENER.
B. PROTECT INSTALLED FLOORS UNTIL CHEMICAL REACTION PROCESS IS COMPLETE BY COMPLYING WITH THE PRECAUTIONS LISTED UNDER PROJECT CONDITIONS.
C. CLEAN FLOOR REGULARLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BECAUSE WATER WILL ACCELERATE THE SEALING AND SCRUBBING WILL IMPART A SHINE.
D. CLEAN UP SPILLS IMMEDIATELY AND SPOT-TREAT STAINS WITH GOOD DEGREASER OR OIL EMULSIFIER.
E. PRECAUTIONS AND CLEANING ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNTIL SUBSTANTIAL COMPLETION.

TROWELING CONCRETE @ INTERIOR SLABS NOTES:

A. HAND OR POWER FLOAT FLOOR BEFORE STARTING TROWELING.
B. FOR FIRST TROWELING, KEEP BLADE(S) AS FLAT AS POSSIBLE AND USE LOW SPEED, MINIMIZING "WASHBOARD" OR "CHATTER MARKS" AND "PITTING".
C. TROWEL 2 TIMES MINIMUM WITH FIRST TWO TROWELING AT RIGHT ANGLES. CEASE TROWELING BEFORE TROWEL BLADES SCRATCH SURFACE.
D. ALLOW TIME BETWEEN TROWELING FOR CONCRETE TO STIFFEN AND WATER SHEEN TO DISAPPEAR.
E. DO NOT ADD WATER TO SLAB SURFACE DURING TROWELING.
F. DO NOT RIDE TROWELS ON EXISTING HARDENED CONCRETE SLABS. TROWELS SHALL BE CARRIED OFF OF SLAB SURFACES. WHEN PARKING TROWELS ON FRESH CONCRETE, PLACE ON TOP OF PLYWOOD.
G. ENSURE KNEEBOARD IMPRESSIONS, TROWEL MARKS, FOOT PRINTS AND/OR CHATTERED AREAS ARE NOT EVIDENT AFTER FLOOR FINISH.
H. PROVIDE DENSE, SMOOTH, FLAT ROWEL SURFACE, UNIFORM IN TEXTURE.
I. FINISH SURFACE TO PRODUCE MAXIMUM SHEEN PER SPECIFICATIONS FREE OF SCRATCHES AND TROWEL MARLS.

FLOOR PLAN GENERAL NOTES:

1. CONCRETE FLOOR TO BE MACHINE TROWELED FINISH THROUGHOUT.
2. CONTRACTOR IS RESPONSIBLE FOR INSTALLING TOILETS SO AS TO COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND ACCESSIBILITY STANDARDS.
3. INSTALL BACKFLOW PREVENTER IN MAIN SERVICE WATER LINE AS REQUIRED BY LOCAL CODE.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE EXTINGUISHERS MODEL #2A10BC ABC RATING. QUANTITY AND LOCATION AS REQUIRED BY FIRE MARSHAL. (MINIMUM OF 4)
5. OMITTED
6. PREPARE FLOOR SLAB AS REQUIRED FOR APPLICATION OF FLOOR SEALER THROUGHOUT ENTIRE BUILDING.
7. VCT - AFTER INSTALL FLOOR SHALL BE STRIPPED AND WAXED.

FINISH GENERAL NOTES:

1. VINYL BASE TO BE FLAT STOCK OF TYPICAL 1/8" THICKNESS. MIN. SPLICE JOINT SPACING SHALL BE 4'-0".
2. ALL INTERIOR FINISHES SHALL COMPLY WITH LOCAL BUILDING CODES.
3. INTERIOR SIDE OF EXTERIOR CMU WALL SHALL HAVE BLOCK FILLER APPLIED TO DECK. WALL TO BE PAINTED TO BOTTOM OF DECK.
4. PAINT TELEPHONE FIRE RETARDANT PLYWOOD BACKBOARD TO MATCH WALLS.
5. PAINT WALLS AND APPLY FLOOR SEALANT PRIOR TO INSTALLING VINYL BASE. FULLY ADHERE VINYL BASE.
6. PROVIDE CLEAR SILICON SEALANT AT ALL REQ'D PLUMBING FIXTURES, ACCESSORIES, FRP, ETC. PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. DRYWALL FINISH TO BE CLASS 4.

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PROJECT # 26-071764
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FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION
Q1-26

FLOOR PLAN

A1

HARDWARE SCHEDULE

GROUP #1 - EXTERIOR EGRESS DOOR

QTY.	DESCRIPTION	NUMBER - FINISH
3	HINGES	IVES BB81 NRP- US32D
1	EXIT DEVICE	DETEX V40EB x EXIT TRIM 03AN 628
1	MORTISE CYLINDER	YALE K620 1 ½" MK - 626
1	RIM CYLINDER	YALE K640 MK - 626
2	CYLINDER CORE	YALE K600 CMK - 626
1	SURFACE CLOSER	NORTON PR8501 - 689
1	KICK PLATE	ROCKWOOD K1050 12"H. x 2" LDW B4E CSK - US32D
1	THRESHOLD	PEMKO 171A
1	SWEEP	PEMKO 315CN
1	RAIN DRIP	PEMKO 346C
1	GASKETING	PEMKO 303AS
1	DOOR VIEWER	ROCKWOOD 622

GROUP #2 - TOILET ROOMS

QTY.	DESCRIPTION	NUMBER - FINISH
3	HINGES	ASSA ABLOY TA2714 - US26D
1	PRIVACY SET	YALE PB 4602LN - 626
1	WALL STOP	ROCKWOOD 409 - US32D

GROUP #3 - ALUMINUM STOREFRONT DOORS

QTY.	DESCRIPTION	NUMBER - FINISH
1	CONTINUOUS GEARED HINGE	PEMKO CFM SLF-HD1
1	MORTISE DEADLOCK	ADAMS RITE MS1850SN - 628
1	MORTISE CYLINDER	YALE K620 1 1/4" MK - 626
1	CYLINDER CORE	YALE K600 CMK - 626
1	CYLINDER T-TURN	ADAMS RITE 4066 - 130
1	DOOR PULL	ROCKWOOD BF157 MTG-TYPE 1HD - US32D
1	PUSH BAR	ROCKWOOD 747 MTG-TYPE 3 - US32D
1	SURFACE CLOSER	NORTON UNUS501 - 689
1	FLOOR STOP	ROCKWOOD 480H EXP - US26D
1	THRESHOLD	PEMKO 271A
1	DOOR SWEEP	PEMKO 315CN
1	GASKETING	BY DOOR MANUFACTURER
1	RAIN GUARD	PEMKO 346C
1	DECAL	ROCKWOOD 660

GROUP #4 - RECEIVING DOOR

QTY.	DESCRIPTION	NUMBER - FINISH
8	HINGES	IVES 5BB1HW NRP 4.5X4.5 - US32D
2	FLUSH BOLT	ROCKWOOD 555 (12"-24" AS REQ'D) - US26D
1	DUST PROOF STRIKE	ROCKWOOD 570 - US26D
1	ALARM RIM EXIT DEVICE (ACTIVE LEAF)	DETEX V40nEXT TRIM 03AN EB - 628
1	MORTISE CYLINDER	YALE K620 1 ½" MK - 626
2	CYLINDER CORE	YALE K600 CMK - 626
1	RIM CYLINDER	YALE K640 MK - 626
2	SURFACE CLOSER	NORTON PR8501H - 689
2	KICK PLATE	ROCKWOOD K1050 12"H.x1" LDW B4E CSK - US32D
2	FLOOR STOP	ROCKWOOD 480H EXP - US26D
1	THRESHOLD	PEMKO 191 (2"xL) ALUM. PLATE PEMKO
1	GASKETING	303AS
2	DOOR SWEEP	PEMKO 315 CN
1	RAIN GUARD	PEMKO 346C
1	ASTRAGAL	PEMKO 357SP
1	DOUBLE DOOR STRIKE	DETEX 84 (1O2214) & (1O2211 PLATE)
1	VIEWER	ROCKWOOD 622 - DCRM

GROUP #5 - RECEIVING DOOR

QTY.	DESCRIPTION	NUMBER - FINISH
1	PADLOCK	YALE/ARROW PADLOCK
1	I/C CYLINDER	W/ INTERCHANGEABLE CYLINDER

GROUP #6 - STORAGE

QTY.	DESCRIPTION	NUMBER - FINISH
1	PASSAGE SET	YALE PB4602LN - 626
1	MORTISE CYLINDER	YALE K620 1 ½" MK - 626
2	CYLINDER CORE	YALE K600 CMK - 626
1	KICK PLATE	ROCKWOOD K1050 12"H. x 2" LDW B4E CSK - US32D
1	DUST PROOF STRIKE	ROCKWOOD 570 - US26D

GROUP #7 - TOILET ROOMS

QTY.	DESCRIPTION	NUMBER - FINISH
3	HINGES	MCKINNEY TA2714 - US26D
1	PULL PLATE	ROCKWOOD 70C - US32D
1	PUSH PLATE	ROCKWOOD 70CL - US32D
1	WALL STOP	ROCKWOOD 409 - US32D

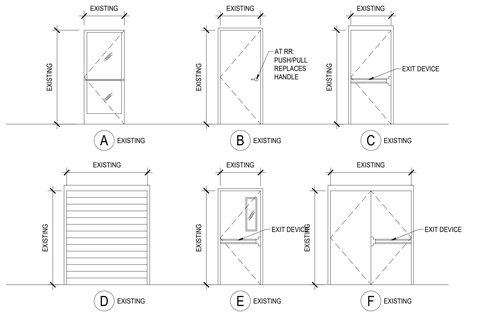
NOTES

1. ALL DOOR HARDWARE SHALL BE SATIN NICKEL FINISH OR BRUSHED ALUM. FINISH
2. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBF. NO THUMB TURN PERMITTED.
3. AUDIBLE DETEX (V40) AT ALL SECONDARY EGRESS DOORS
4. ALL HARDWARE LISTED AS BASIS OF DESIGN. SUBSTITUTES WILL BE CONSIDERED ONLY WITH PRIOR AUTHORIZATION AS AN EQUAL TO SPECIFIED HARDWARE.
5. FLOOR STOPS IN VESTIBULE SHALL BE LOCATED TO PREVENT DOORS FROM HITTING ADJACENT GLAZING.
6. THUMB TURN IS PERMITTED IF THE FOLLOWING SIGNAGE IS PROVIDED MIN 1"-LETTERS STATING "THIS DOOR SHALL REMAIN UNLOCKED DURING BUSINESS HOURS"
7. AAP WILL REPLACE THE CYLINDER CORES AT TIME OF BUILDING TURNOVER.
8. DOOR TO BE A MAX 5 LBF MAX OPENING FORCE AND CLOSING SPEED FROM 90 DEG TO 12 DEG NOT FASTER THEN 5 SECONDS.
9. G.C. TO ENSURE THAT THE THRESHOLD DOES NOT EXCEED 1/2" FROM EITHER SIDE.

DOOR SCHEDULE

DOOR #	DOOR LOCATION	DOOR SIZE	MATERIAL		DOOR ELEV.	FRAME		HARD-WARE	NOTES
			DOOR	FRAME		HEAD	JAMB		
101	SALES	(N) 3'-0" X 7'-4" X 1 3/4"	AL.	AL.	A	-	-	3	NEW DOOR IN EXISTING FRAMING. SALVAGE DOOR HARDWARE IF POSSIBLE. PROVIDE NEW WHEN NECESSARY. V.I.F EXISTING OPENING.
102	MEN'S R.R.	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	7*	EXISTING DOOR AND FRAME TO REMAIN.
103	WOMEN'S R.R.	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	7*	EXISTING DOOR AND FRAME TO REMAIN.
104	UNISEX R.R.	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	2*	EXISTING DOOR AND FRAME TO REMAIN.
106	JAN. CLOSET	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	6*	EXISTING DOOR AND FRAME TO REMAIN.
107	ELEC. ROOM	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	6*	EXISTING DOOR AND FRAME TO REMAIN.
108	EGRESS HALL	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	C	-	-	1*	EXISTING DOOR AND FRAME TO REMAIN. REPLACE PANIC HARDWARE WITH AAP PROTO. RE: HARDWARE
109	TEAM AREA	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	B	-	-	6*	EXISTING DOOR AND FRAME TO REMAIN.
110A	STAGING	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	C	-	-	1*	EXISTING DOOR AND FRAME TO REMAIN. REPLACE PANIC HARDWARE WITH AAP PROTO. RE: HARDWARE
110B	STAGING	(E)(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	F	-	-	1*	EXISTING DOOR AND FRAME TO REMAIN. REPLACE PANIC HARDWARE WITH AAP PROTO. RE: HARDWARE
111A	LOADING	(E) 3'-0" X 7'-0" X 1 3/4"	H.M.	H.M.	E	-	-	1*	EXISTING DOOR AND FRAME TO REMAIN. REPLACE PANIC HARDWARE WITH AAP PROTO. RE: HARDWARE
111B	LOADING	(E) 8'-0" X 10'-0" X 1 3/4"	H.M.	H.M.	D	-	-	5*	EXISTING OVERHEAD DOOR TO REMAIN. CLEAN, SERVICE AND REPAIR TO LIKE-NEW CONDITION.
111C	LOADING	(E) 6'-0" X 8'-0" X 1 3/4"	H.M.	H.M.	D	-	-	5*	EXISTING OVERHEAD DOOR TO REMAIN. CLEAN, SERVICE AND REPAIR TO LIKE-NEW CONDITION.
111D	LOADING	(E) 8'-5" X 8'-0" X 1 3/4"	H.M.	H.M.	D	-	-	5*	EXISTING OVERHEAD DOOR TO REMAIN. CLEAN, SERVICE AND REPAIR TO LIKE-NEW CONDITION.

*NOTE: ALL EXISTING DOORS TO REMAIN ARE TO RECEIVE NEW CYLINDERS AND BE RE-KEYED TO MATCH AAP HARDWARE AS REQUIRED.



1 / A2 DOOR ELEVATIONS — SCALE: 1/4"=1'-0"

PAINT INSIDE OF EXTERIOR DOORS AND FRAMES IP-2

ACCESSORY SCHEDULE

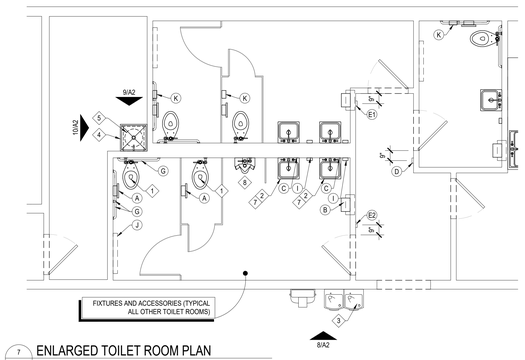
LABEL	DESCRIPTION
A	ADA COMPLIANT TOILET TISSUE DISPENSER
B	ADA COMPLIANT PAPER TOWEL DISPENSER SET IN EXISTING RECESSED PANEL
C	EXISTING MIRROR
D	ADA COMPLIANT GENDER NEUTRAL SIGN, RE: DETAIL 19/A2
E1 E2	E1 ADA COMPLIANT "WOMEN" RESTROOM SIGN E2 ADA COMPLIANT "MEN" RESTROOM SIGN
F	ADA COMPLIANT "EMERGENCY EYE WASH" SIGN
G	EXISTING GRAB BARS
H	BRADLEY WALL MTD. EMERGENCY EYEWASH #S19-921. REFER TO RESPONSIBILITY MATRIX FOR ORDERING INFORMATION. G.C. REQ'D TO INITIALLY SET UP EYE WASH PER MANUFACTURERS RECOMMENDATIONS AND TO PROVIDE SOLUTION FOR 1 YEAR. REFER TO PLUMBING DRAWINGS.
I	SOAP DISPENSER
J	EXISTING BABY CHANGING STATION
K	SANITARY NnapkIN DISPOSAL B-270, SURFACE MOUNTED (WOMEN'S ROOM ONLY.)
B ALT	ADA COMPLIANT RECESSED PAPER TOWEL DISPENSER PROVIDED AND INSTALLED BY G.C. BOBRICK B-35903
L	HOLDRITE QUICKSTAND WALL MOUNTED WATER HEATER PLATFORM, HANGING, 40-SWHP-W

NOTES

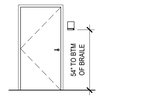
1. TOILET TISSUE DISPENSER, PAPER TOWEL DISPENSER AND SOAP DISPENSER: FURNISHED BY AAP AND INSTALLED BY G.C. REFER TO RESPONSIBILITY MATRIX FOR ORDERING INFORMATION.
2. TOILET ACCESSORIES FURNISHED AND INSTALLED BY G.C.

KEY NOTES:

1. EXISTING WATER CLOSET, REPLACE EXISTING FLUSH VALVE WITH NEW. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. EXISTING LAVATORY, REPLACE EXISTING FAUCETS WITH NEW. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
3. BI-LEVEL DRINKING FOUNTAIN WITH CANE APRON. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE CANE APRON ON HIGH FOUNTAIN. PROVIDE BLOCKING AS REQ'D AND INSTALL PER MANUFACTURES INSTRUCTIONS.
4. EXISTING MOP SINK. REPLACE EXISTING FAUCET WITH NEW. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
5. WATER HEATER ON WALL MOUNTED WATER HEATER PLATFORM BY G.C., REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. 4" VINYL BASE, REFER TO MATERIAL SCHEDULE ON SHEET A1 FOR ADDITIONAL INFORMATION.
7. PLUMBING CONTRACTOR TO PROVIDE ADA PIPE WRAP AS SPECIFIED ON ALL EXPOSED PLUMBING SUPPLY AND DRAIN LINES BELOW LAVATORY. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
8. EXISTING URINAL, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
9. CONTINUOUS 2x8 BLOCKING.
10. FLUSH VALVE HANDLE SHALL BE MOUNTED ON WIDE SIDE OF TOILET AREA, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. PROVIDE MOISTURE RESISTANT PAINTED WALL AT ALL RESTROOM, CLEANING, AND EWC WALLS.
12. FRP, REFER TO MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION.
13. MOP HANGER SUPPLIED INSTALLED BY G.C. MOUNTED @ 60" AFF. NOTHING ELSE TO BE MOUNTED ON THIS WALL UP TO 84" ABOVE THE MOP SINK. SEE SHEET P2 FOR SPECIFICATION.



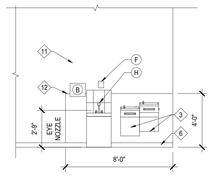
7 / A2 ENLARGED TOILET ROOM PLAN — SCALE: 1/4"=1'-0"



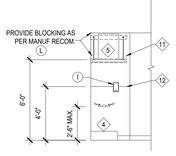
19 / A2 SIGN ELEVATION — SCALE: 1/4"=1'-0"

COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND AND SHALL A NON-GLARE FINISH. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARDS 595B

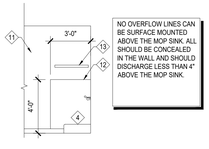




8 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"

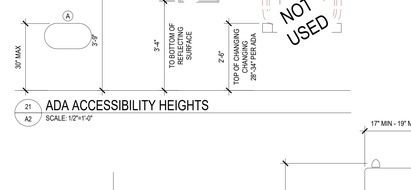


9 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"



NO OVERFLOW LINES CAN BE SURFACE MOUNTED ABOVE THE MOP SINK. ALL SHOULD BE CONCEALED IN THE WALL AND SHOULD DISCHARGE LESS THAN 4" ABOVE THE MOP SINK.

10 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"



21 / A2 ADA ACCESSIBILITY HEIGHTS — SCALE: 1/2"=1'-0"

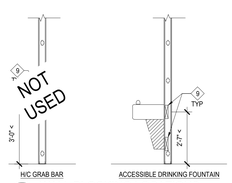
GENERAL NOTES

INTERNATIONALS SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.

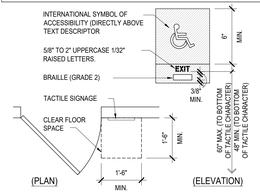
MOUNTING LOCATION AND HEIGHT: SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF DOOR. MOUNTING HEIGHT PER ELEVATION DETAIL ABOVE THE FINISH FLOOR. MOUNTING LOCATION PER PLAN DETAIL.

COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND AND SHALL A NON-GLARE FINISH. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARDS 595B

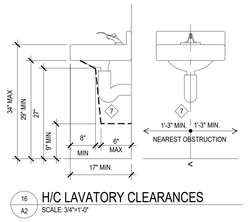
BRAILLE: CONTRACTED GRADE 2 BRAILLE. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELLS TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MIN. OF 1/40 INCH ABOVE THE BACKGROUND.



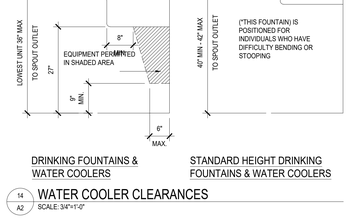
15 / A2 WALL BLOCKING LOCATIONS — SCALE: 3/8"=1'-0"



20 / A2 TACTILE EXIT SIGN DETAILS — SCALE: 1/2"=1'-0"



16 / A2 H/C LAVATORY CLEARANCES — SCALE: 3/4"=1'-0"



14 / A2 WATER COOLER CLEARANCES — SCALE: 3/4"=1'-0"

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REV	DATE	DESCRIPTION

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08-13-26	40,278 S.F.

PROJECT # 0K-01-1764
DRAWN BY: AB
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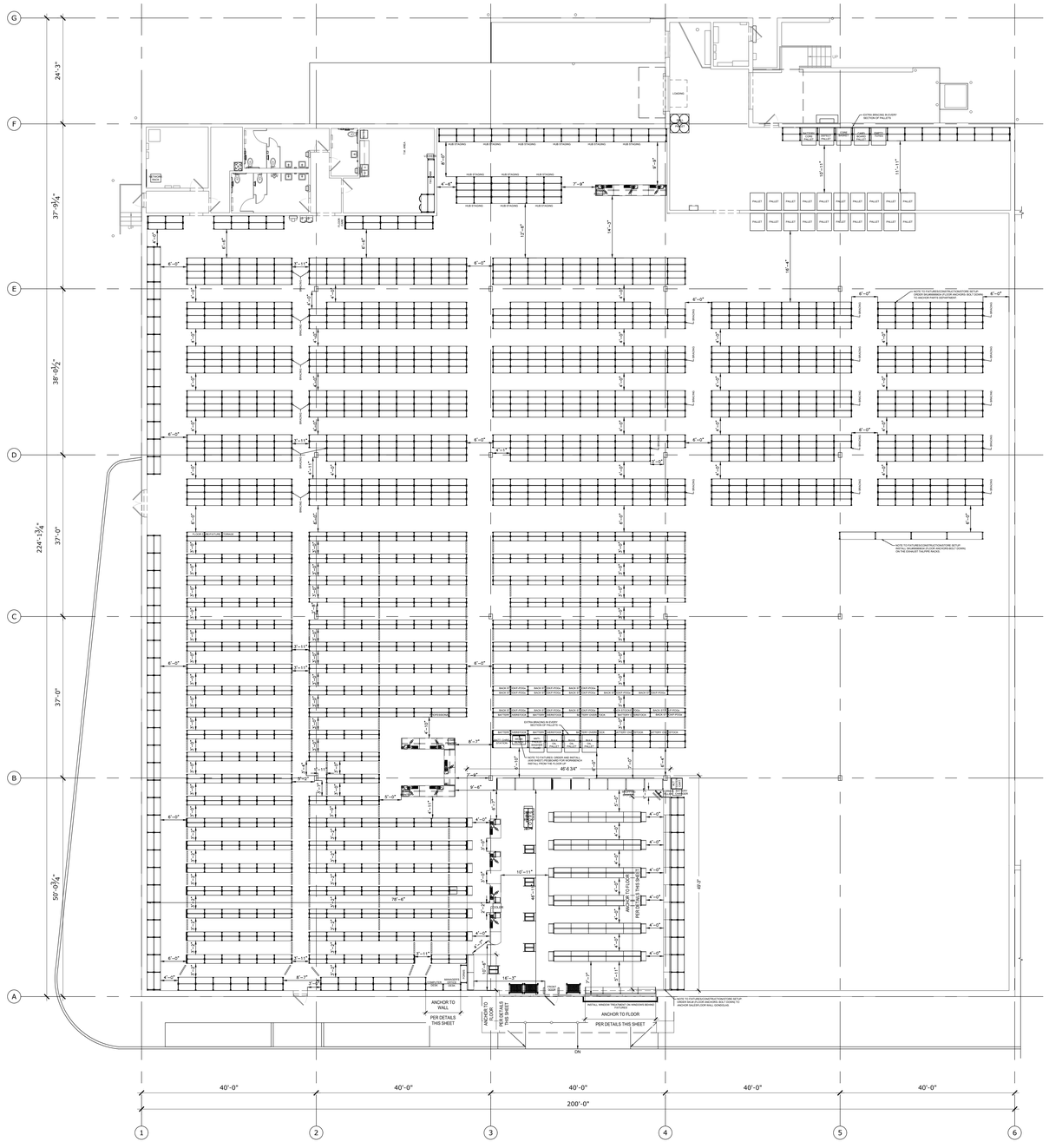
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Q1-26

DOOR SCHEDULE ENLARGED PLAN & TYPICAL DETAILS

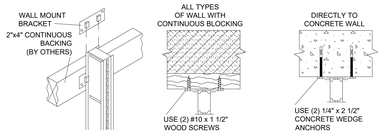
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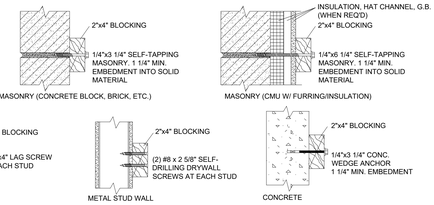
1 A3 MERCHANDISE PLAN
SCALE: 3/32" = 1'-0" DATE: 06/24/26
REVISED: 07/01/26

TRUE NORTH PLAN NORTH

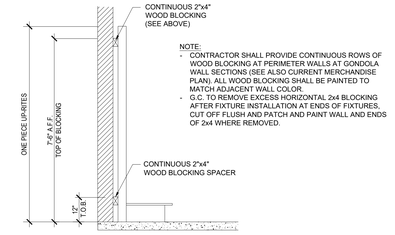
NOTE:
SHELVES ARE NOT CONSIDERED HIGH PILED STORAGE AS THEY DO NOT EXCEED 12'-0"



4 A3 FIXTURE ANCHORING AT WALL SECTION
SCALE: N.T.S.



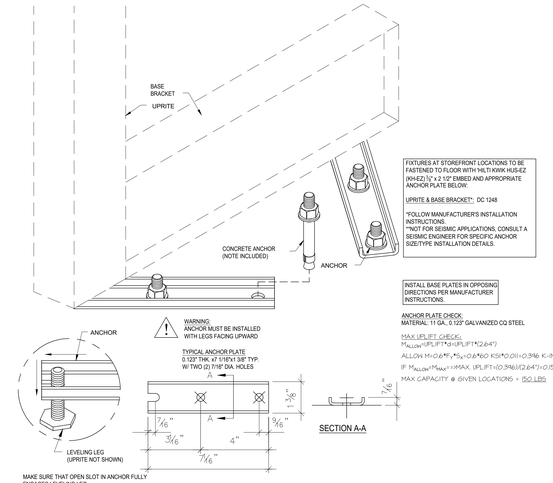
ATTACHING BLOCKING TO WALL



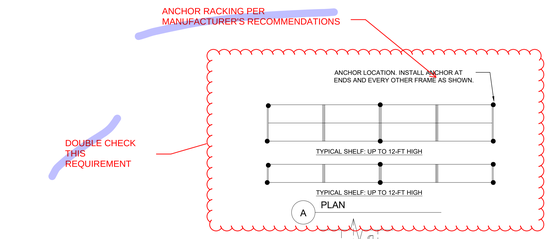
NOTE:
- CONTRACTOR SHALL PROVIDE CONTINUOUS ROWS OF WOOD BLOCKING AT PERIMETER WALLS AT GONDOLA WALL SECTIONS (SEE ALSO CURRENT MERCHANDISE PLAN). ALL WOOD BLOCKING SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR.
- G.C. TO REMOVE EXCESS HORIZONTAL 2x4 BLOCKING AFTER FIXTURE INSTALLATION AT ENDS OF FIXTURES. CUT OFF FLUSH AND PATCH AND PAINT WALL AND ENDS OF 2x4 WHERE REMOVED.

NOTE: ALL FASTENERS SHOWN ARE MINIMUM DIAMETER AND LENGTH FOR APPLICATIONS ILLUSTRATED.

3 A3 BLOCKING AT WALL SECTION
SCALE: N.T.S.

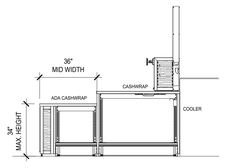


5 A3 ANCHORING AT FLOOR
SCALE: N.T.S.



SHELVING GENERAL NOTES:
1. ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT INTERNATIONAL BUILDING CODE, ASCE 7-10, 2012 RMI-MH16.1 AND ALL APPLICABLE ORDINANCES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS BEFORE STARTING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
3. STEEL FOR ALL SHAPES IS FY = 50 KSI (EXCEPT AS NOTED).
4. ALL ANCHORS ARE HILTI KWIK BOLT TZ (ESR 1917) OR HUS-EZ (ESR-3027/3056).
5. EXISTING CONCRETE SLAB - MIN. 4" THICK SLAB-ON-GRADE WITH F'c - 2500 PSI AND 500 PSF SOIL BEARING PRESSURE.
6. SHELVING CAPACITY = 150 PSF PER UNIT, EVENLY DISTRIBUTED TO EACH SHELF OVER UNIT (MAXIMUM 14 SHELVES PER UNIT, MINIMUM 5 SHELVES PER UNIT). (NOTE: 5-8 SHELVES SHALL BE LIMITED TO 125 PSF OVER ENTIRE UNIT.)
7. ALL SHELVING INSTALLATIONS AND SHELVING MANUFACTURED IN CONFORMITY WITH THIS STANDARD SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT PLAQUE, EACH NOT LESS THAN 50 SQUARE INCHES IN AREA SHOWING THE MAXIMUM PERMISSIBLE UNIT LOAD.
8. ALL SHELVING SHALL BE IN COMPLIANCE WITH THE RMI.
9. THE CLEAR SPACE BELOW SPRINKLERS SHALL A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORED MATERIAL AND THE CEILING SPRINKLERS DEFLECTORS.
10. THE BACK OF HOUSE SHELVING RACKS WILL NOT BE OPEN TO PUBLIC.
11. SHELVING UNIT'S MAXIMUM "OUT-OF-PLUMBNESS" SHALL BE 0.50 INCH IN 10FT.
12. SHELVING SHALL BE INSTALLED AND CONSTRUCTED PER MANUFACTURER'S INSTALLATION GUIDELINES.
13. SHELVING HEIGHT-TO-DEPTH RATIOIN NOT TO EXCEED 6 TO 1
14. APPLICABLE ONLY TO NON-SEISMIC UP TO 12-FT HIGH TO TOP LOAD ON SHELVING.
15. ADDITIONAL REQUIREMENT BY LOCAL AHJ SUPERCEDES THESE DETAIL

8 A3 SHELVING ANCHORING DETAILS - NON SEISMIC ONLY AND @ BOPIS FIXTURES
SCALE: 1" = 1'-0"



FOR REFERENCE ONLY

2 A3 ADA COUNTER ELEVATION
SCALE: 3/8" = 1'-0"

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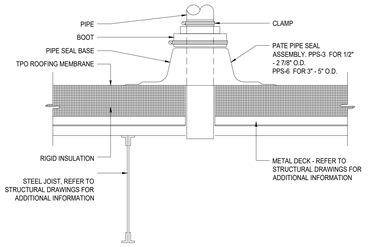
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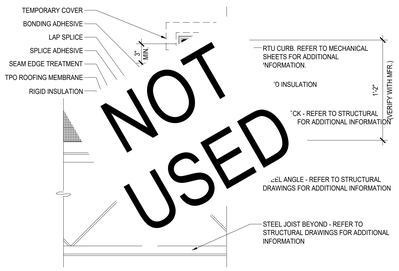
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MERCHANDISE PLAN

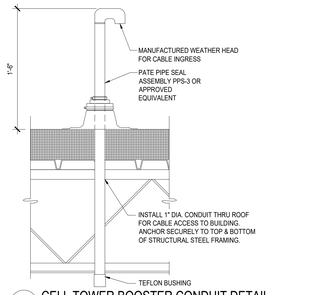
A3



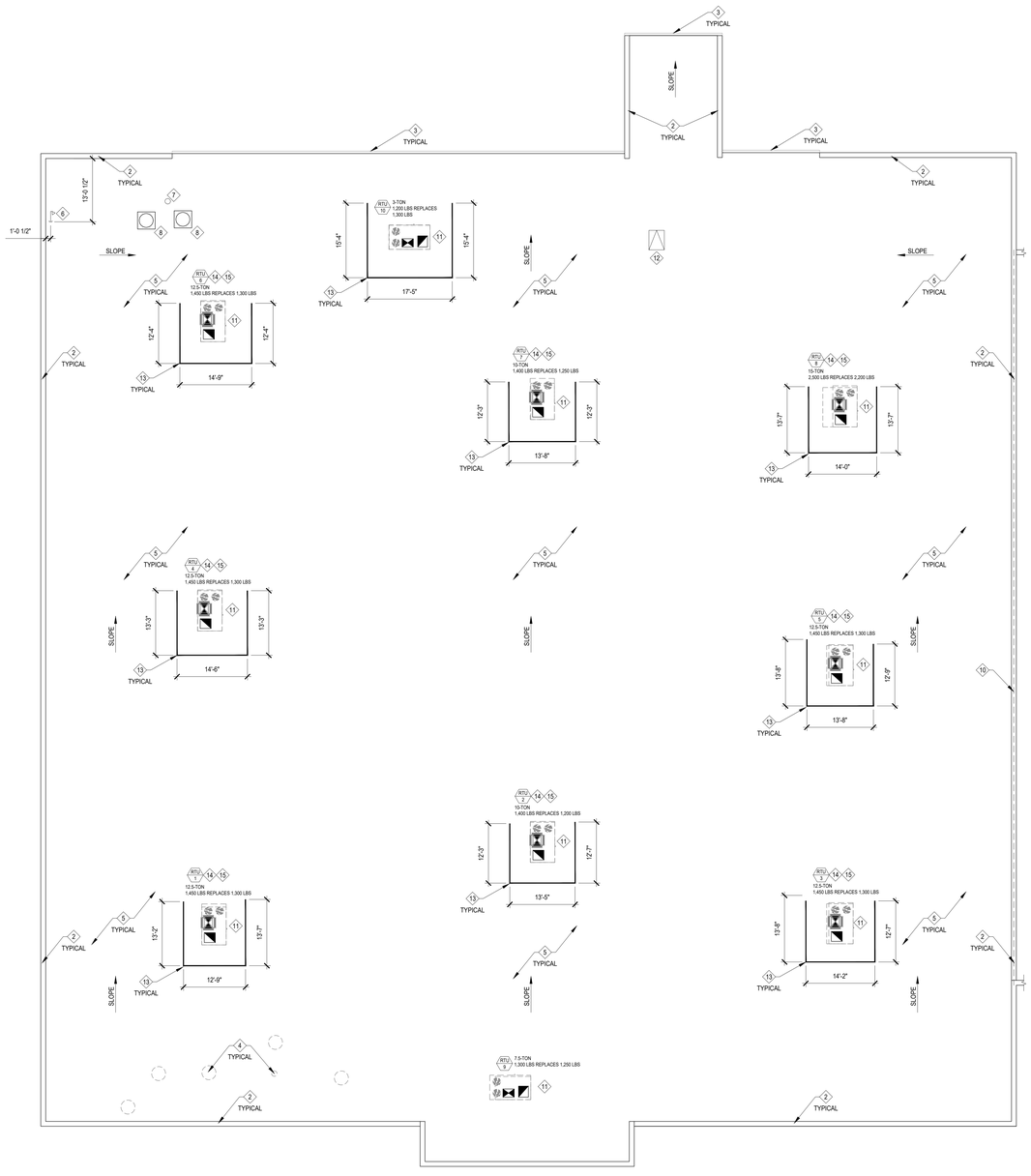
2 / A4 PIPE FLASHING DETAIL
SCALE: 1 1/2"=1'-0"



3 / A4 HVAC ROOF CURB DETAIL
SCALE: 1 1/2"=1'-0"



4 / A4 CELL TOWER BOOSTER CONDUIT DETAIL
SCALE: 1 1/2"=1'-0"



1 / A4 ROOF PLAN
SCALE: 3/32" = 1'-0"

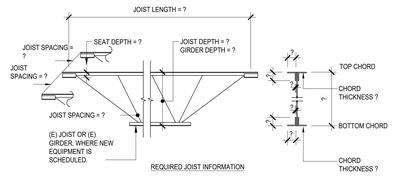
TRUE NORTH PLAN NORTH

JOIST & GIRDER VERIFICATION

EXISTING JOIST & GIRDER INFORMATION WAS NOT AVAILABLE FOR THIS PROJECT. STRUCTURAL MEMBERS INDICATED ON PLAN ARE ASSUMED AND MUST BE CONFIRMED BY THE CONTRACTOR PRIOR TO INSTALLING NEW EQUIPMENT.

THE GENERAL CONTRACTOR SHALL FIELD SURVEY AND PROVIDE THE BELOW, REQUIRED INFORMATION TO ARCHITECT FOR STRUCTURAL CALCULATIONS.

IF DEEMED NECESSARY JOIST OR GIRDER REINFORCING MAY BE REQUIRED PRIOR TO INSTALLATION OF NEW ROOFTOP EQUIPMENT. A COPY OF THE STRUCTURAL CALCULATIONS SHALL BE PROVIDED TO THE LOCAL AUTHORITY.



REQUIRED JOIST INFORMATION

ROOF PLAN GENERAL NOTES:

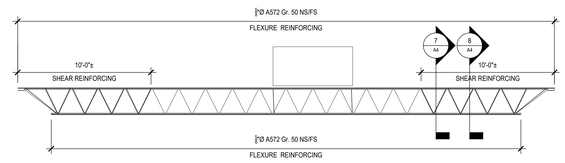
1. ROOFING MEMBRANE SYSTEM: 60 MIL ULTRAPLY TPO WHITE MECHANICALLY FASTENED TO DECK OVER RIGID POLYISOCYANURATE INSULATION.
2. ROOFING SYSTEM TO HAVE A TOTAL SYSTEMS NO DOLLAR LIMIT WARRANTY FOR FIFTEEN (15) YEARS FROM DATE OF SUBSTANTIAL COMPLETION. WARRANTY SHALL BE DELIVERED TO ADVANCE AUTO PARTS CONSTRUCTION PROJECT MANAGER.
3. ROOFING SYSTEM TO BE INSTALLED BY A QUALIFIED CONTRACTOR/INSTALLER, APPROVED BY MANUFACTURER TO INSTALL MANUFACTURER'S PRODUCTS.
4. ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS
5. ANY DEVIATION OR CHANGES TO THE ROOFING SPECIFICATIONS WITHOUT WRITTEN APPROVAL OF THE ROOFING SYSTEM MANUFACTURER ARE NOT ALLOWED. A PRE-INSTALLED NOTICE SHALL BE PROVIDED TO THE AAP CONSTRUCTION PROJECT MANAGER PRIOR TO CONSTRUCTION.
6. COMPONENTS FOR THE ROOFING SYSTEM TO BE OBTAINED FROM AN APPROVED ROOFING SYSTEM MANUFACTURER (AS LISTED.)
7. APPROVED ROOFING SYSTEM MANUFACTURERS ARE ONLY AS FOLLOWS:
   - A. ELEVATE
     26 CENTURY BLVD. - SUITE 205
     NASHVILLE, TN 37214
     PHONE: VISIT WEB SITE FOR SALES REP IN YOUR AREA.
     HTTPS://WWW.HOLCMELEVATE.COM/US-EN
   - B. JOHNS MANVILLE
     717 17TH ST.
     DENVER, CO 80202
     PHONE: 303-978-2000
   - C. GAF
     1 CAMPUS DRIVE
     PARSIPPANY, NJ 07054
     PHONE: 973-628-3000
8. SELECTED ROOFING CONTRACTOR TO PROVIDE LAYOUT AND FASTENING DRAWINGS AS REQUIRED BY GOVERNING JURISDICTION (LOCAL BUILDING DEPARTMENT).
9. ROOFING CONTRACTOR SHALL PROVIDE A PRE-INSTALLATION NOTICE TO THE AAP PROJECT MANAGER AND THE GENERAL CONTRACTOR.
10. ROOFING INSTALLATION IS TO MEET MINIMUM FM I-90 REQUIREMENTS.
11. REFER TO FRAMING (STEEL) PLAN FOR ACTUAL SLOPES.
12. GUTTERS AND DOWNSPOUTS PREFINISHED TO MATCH A1. PROVIDE SAMPLE TO CM PRIOR TO ORDERING.
13. GENERAL CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING THE CLEANING AND SERVICE OF RTU COILS AND FILTERS.

ROOF PLAN KEY NOTES:

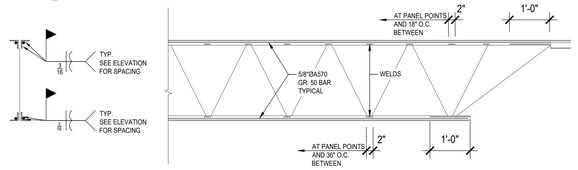
1. NEW RTU WITH NEW ROOF OPENING AND CURB. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION. PROVIDE REINFORCING AS REQUIRED ONCE AS-BUILT CONDITIONS ARE VERIFIED.
2. EXISTING PARAPET TO REMAIN. CLEAN AND REPAIR COPING TO LIKE-NEW CONDITION.
3. EXISTING GUTTER AND DOWNSPOUTS TO REMAIN.
4. EXISTING ABANDONED/UNUSED EQUIPMENT TO BE REMAIN. CONTRACTOR TO VERIFY WEATHER-TIGHT FLASHING.
5. EXISTING ROOFING TO REMAIN.
6. SATELLITE WEATHER HEAD PENETRATION, REFER TO DETAIL 4/A4.
7. PLUMBING VENT, REPAIR EXISTING AS REQUIRED. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
8. EXISTING EXHAUST FAN. SERVICE/REPLACE AS REQUIRED, REFER TO MECHANICAL SHEETS.
9. EXISTING RTU TO REMAIN. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
10. LINE OF DEMISING WALL BELOW.
11. NEW RTU TO REPLACE EXISTING REMOVED RTU. EXISTING CURB TO BE RE-USED WITH CURB ADAPTER. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
12. EXISTING ROOF HATCH TO REMAIN.
13. EXISTING WOOD PLANK RTU SCREENING TO BE REPLACED/REPAIR MISSING OR LOOSE BOARDS FOR-LIKE. NEW BOARDS TO MATCH EXISTING.
14. EXISTING ROOF FRAMING MEMBERS. CONTRACTOR TO VERIFY EXISTING MEMBERS DURING DEMOLITION AND REPORT AS-BUILT CONDITIONS, DIMENSIONS, AND DISCREPANCIES TO ARCHITECT. REFER TO DETAILS THIS SHEET.
15. POTENTIAL JOIST REINFORCING REQUIRED AT NEW RTU LOCATIONS. VERIFY EXISTING FRAMING CONDITIONS AND REPORT TO ARCHITECT, REFER TO DETAILS THIS SHEET.

DEFERRED SUBMITTAL - SCOPE:

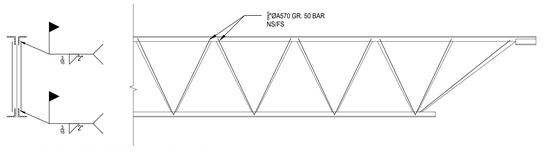
1. GC MUST VERIFY EXISTING ROOF STRUCTURE
2. STRUCTURAL ENGINEER WILL PROVIDE EXISTING STRUCTURE ANALYSIS AND DETERMINE REINFORCING REQUIREMENTS
3. AMENDED DEFERRED PERMIT WILL BE SUBMITTED TO BUILDING DEPARTMENT



6 / A4 JOIST REINFORCING DETAIL
SCALE: 1/4" = 1'-0"



7 / A4 FLEXURE REINFORCING AT JOIST
SCALE: 3/4" = 1'-0"



8 / A4 SHEAR REINFORCING AT JOIST
SCALE: 3/4" = 1'-0"

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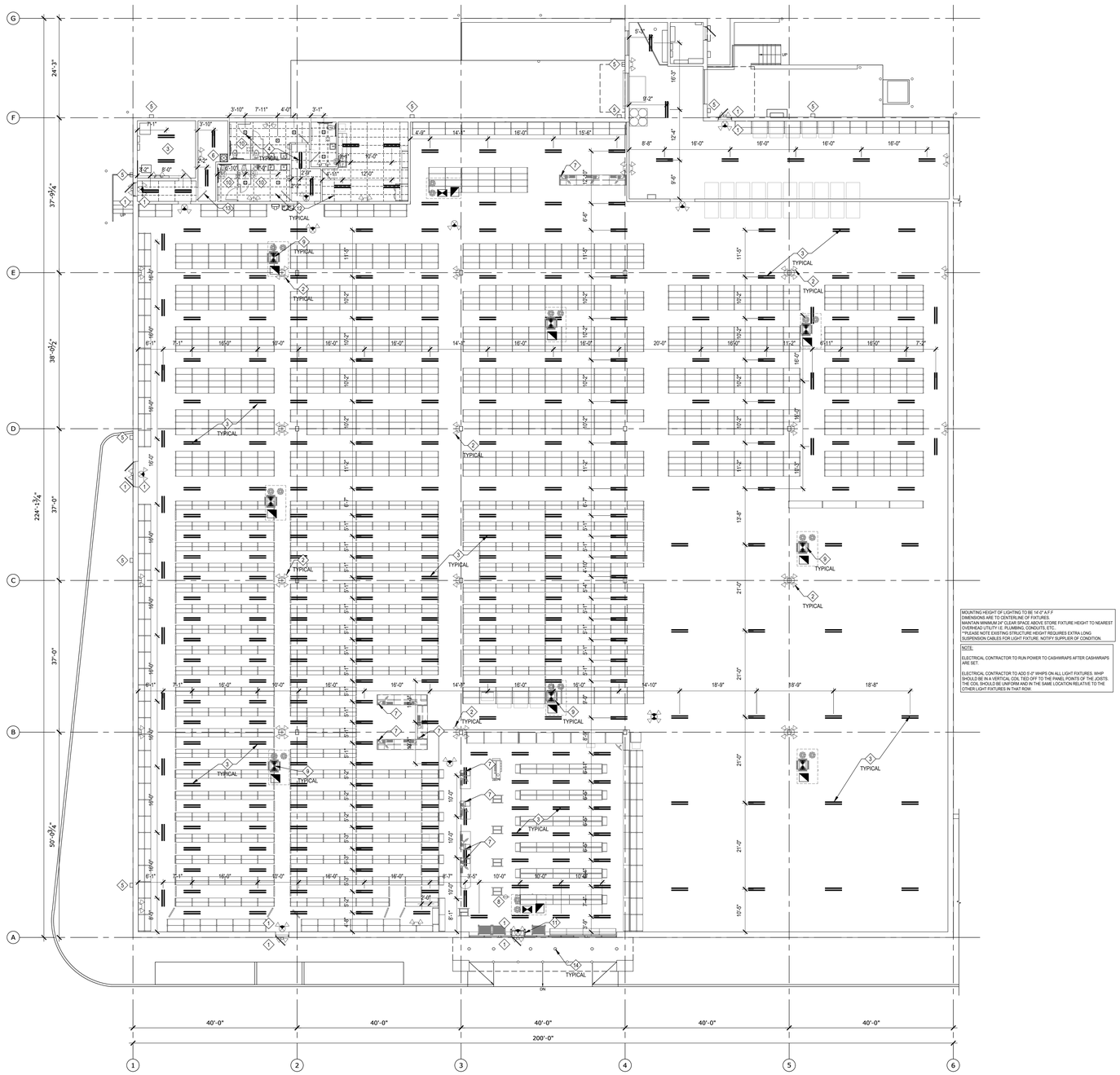
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Q1-26

ROOF PLAN AND DETAILS

A4



1 / A5 REFLECTED CEILING PLAN
SCALE: 3/32" = 1'-0"

TRUE NORTH PLAN NORTH

GENERAL NOTES:

1. ALL ITEMS TO BE SUSPENDED (SUSPENDED CEILING, ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, PLUMBING EQUIPMENT, ETC.) SHALL BE SUSPENDED FROM THE STRUCTURE ABOVE. UNLESS SPECIFICALLY STATED OTHERWISE BY THE STRUCTURAL ENGINEER. VERIFY WITH ARCHITECT/ STRUCTURAL ENGINEER PRIOR TO HANGING FROM BOTTOM CORD. IF NO STRUCTURE IS AVAILBLE OVERHEAD FOR ATTACHMENT PROVIDE UNISTRUT SUPPORTS AS REQUIRED.
2. ALL OVERHEAD APPURTENANCES IN MAIN SALES TO BE PAINTED, EXCEPT LIGHT FIXTURES & INSULATION. AUDIO VISUAL AND FIRE PROTECTION DEVICES. DUCT WORK, CONDUITS, & GAS PIPING TO BE PAINTED. VERIFY SCOPE WITH AAP CONSTRUCTION MANAGER AT TIME OF BID.
3. ATTACH SUPPORTS FOR HANGING SIGNS TO STEEL JOIST BOTTOM CHORD AT PANEL POINTS.
4. PROVIDE HANGERS AT EACH END OF EACH LIGHT FIXTURE.
5. PAINT ALL INTERIOR GYPSUM BOARD CEILING, SOFFIT, BOTTOM AND BACK SIDES OF ALL SUSPENDED WALLS WHERE EXPOSED.
6. HORIZONTAL STRAIGHTENERS, 1 1/2" STEEL AND HANGER WIRE REQUIRED AT ALL SUSPENDED CURTAIN WALLS, IF APPLICABLE.
7. ALL METAL STUDS SHALL BE FASTENED TO RUNNERS WITH SELF TAPPING SCREWS.
8. CONTRACTOR TO COORDINATE LIGHT LOCATIONS WITH ALL ABOVE MECHANICAL EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
9. SUSPENDING LIGHT FIXTURE HEIGHTS ABOVE FINISH FLOOR MAY VARY AND WILL BE BASED ON EXISTING OVERHEAD CLEARANCES. VERIFY ALL HEIGHT VARIATIONS WITH AAP CM/ARCHITECT PRIOR TO INSTALLING FIXTURES. LIGHT FIXTURE PREFERRED HEIGHT IS 14'-0" AFF. MOUNT AS HIGH AS POSSIBLE ELSEWHERE NOT TO EXCEED 14'-0" A.F.F..

REFLECTED CEILING PLAN KEY NOTES:

1. EXIT SIGN/EMERGENCY LIGHT. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
2. EMERGENCY LIGHT W/ BATTERY B.U. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
3. SUSPENDED LED LIGHT FIXTURE. ADD 5'-0" COILED WHIPS ON ALL MERCHANDISE AREA LIGHT FIXTURES. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
4. SURFACE MOUNTED LED LIGHT FIXTURE. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
5. WALL PACK LIGHT. REFER TO A6 AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
6. WATER HEATER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
7. LOCATION OF 2" POWER AND DATA DROPS, ENSURE DROPS CLEAR ALL LIGHTING FIXTURES. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
8. ELECTRICAL OUTLET FOR GREETER/SECURITY MONITOR, RE: ELECTRICAL SHEETS.
9. CONCENTRIC DIFFUSER DROP. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION. VERIFY AND COORDINATE LIGHTING AND RTU DROPS/DUCTWORK TO AVOID CONFLICT.
10. TOILET ROOM EXHAUST FANS. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
11. AIR CURTAIN. REFER TO MECHANICAL SHEETS.
12. EXISTING ACT GRID TO REMAIN. REPLACE DAMAGED/MISSING TILES THROUGHOUT GRID. RE-LAMP EXISTING LIGHT FIXTURES.
13. EXISTING GYPSUM CEILING TO REMAIN. PATCH AND REPAIR AS REQUIRED, PAINT AS SCHEDULED. RE-LAMP EXISTING LIGHT FIXTURES.
14. RE-LAMP UNDER CANOPY LIGHTING TO REMAIN. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

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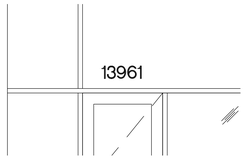
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Q1-26

REFLECTED CEILING PLAN

A5



RTA VINYL
-ORACAL 651 WHITE, 2.5 MIL VINYL
-COLORS ARE WHITE ON BLACK
-FONT SIZE IS 5.75"
- .300" BLACK OUTLINE
- .02" BLEED
-COMPRESSION, NONE
-FONT IS STANDARD BOLD CONDENSED
-INSTALL 4" ABOVE DOOR FRAME

5 A6 ADDRESS DETAIL
SCALE: 1/2" = 1'-0"

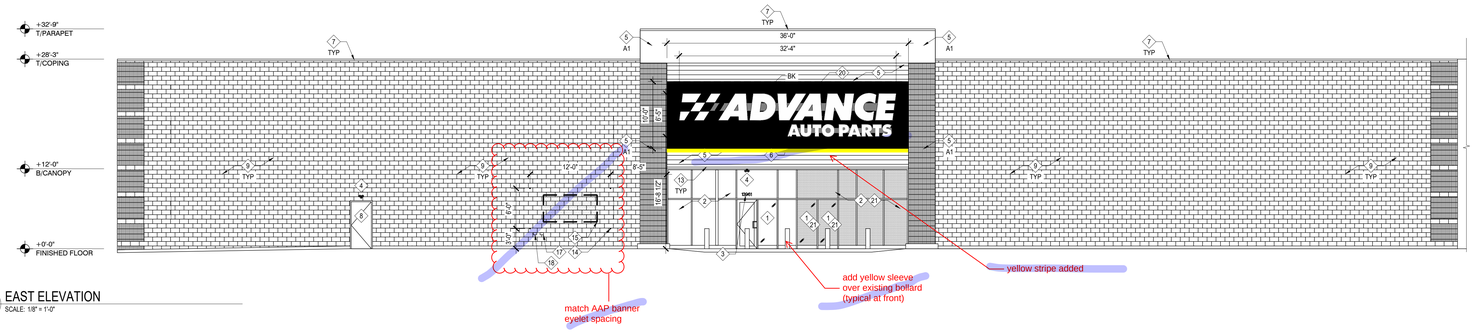
NOTE:
CONTRACTOR TO VERIFY COMPLETION OF ITEMS AS PART OF LL SCOPE

- EFFLORESCENCE/MOISTURE LEAKS AND CLEAN-UP

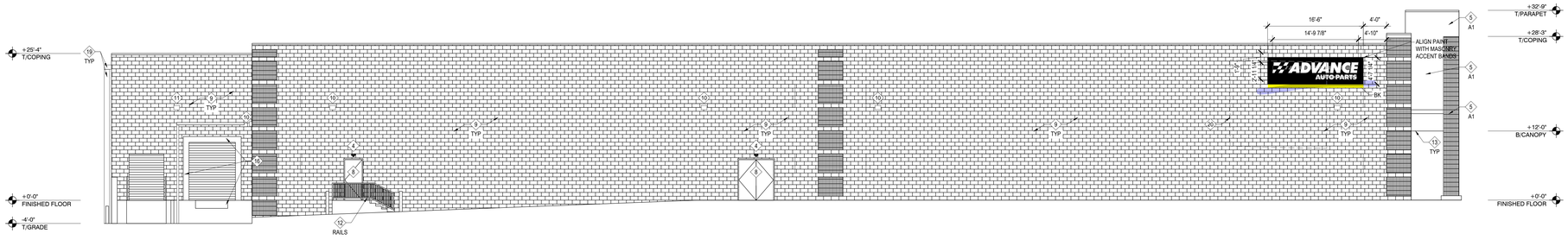
IF WORKS REMAIN INCOMPLETE, CONTRACTOR IS RESPONSIBLE FOR SCOPE

EXTERIOR ELEVATION KEY NOTES:

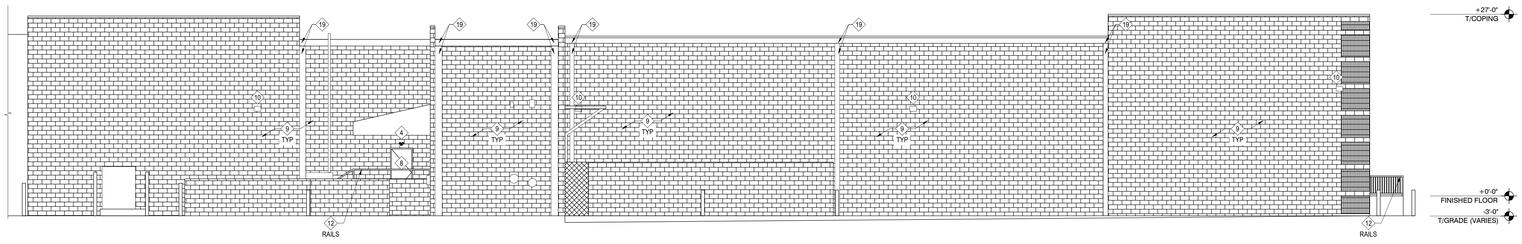
1. PROVIDE KAWNEER 451 - 2" x 4 1/2" MULLION PROFILE, CENTER SET, EXTERIOR LOADED FLUSH GLAZE STOREFRONT SYSTEM WITH 1" CLEAR LOW 'E' INSULATED GLASS. STOREFRONT SYSTEM COLOR TO BE CLEAR ANODIZED ALUMINUM. REFER TO RESPONSIBILITY MATRIX FOR ADDITIONAL INFORMATION. NO SUBSTITUTIONS. SEALANT COLOR TO BE MATCH SYSTEM. COORDINATE WITH REP PRIOR TO ORDERING.
2. EXISTING STOREFRONT AND GLAZING TO REMAIN. ADD INTERIOR WINDOW TINT WHERE SHOWN. REFER TO A1 AND A3.
3. G.C. TO PROVIDE & INSTALL 5 3/4" VINYL WHITE ON BLACK ADDRESS NUMBERS BY MFR: (FAST SIGNS) ON FRONT WINDOWS CENTERED OVER DOOR, BOTTOM EDGE OF NUMBER SHALL SET 4" ABOVE FRAME - REFER TO DETAIL 5/A6 FOR ADDITIONAL INFORMATION.
4. EMERGENCY LIGHT REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
5. PATCH AND REPAIR EXISTING SURFACE AT FRONT FACADE, PRESSURE WASH TO LIKE-NEW CONDITION. PREPARE EXISTING SURFACE FOR NEW PAINT AS NOTED IN AREA INDICATED ON ELEVATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SIGNAGE REQUIREMENTS. SIGNAGE IS PERMITTED SEPARATELY AND INSTALLED BY OTHERS. SIGNAGE IS SHOW FOR REFERENCE ONLY.
7. EXISTING COPING TO REMAIN.
8. HOLLOW METAL DOOR AND FRAME PAINT TO MATCH COLOR OF ADJACENT WALL SURFACE.
9. EXISTING CMU TO REMAIN. PATCH AND REPAIR AS NEEDED. PRESSURE WASH TO LIKE-NEW CONDITION.
10. EXISTING WALL LIGHT TO BE REPAIRED AS REQUIRED AND RE-LAMPED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. NEW WALL LIGHT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. CLEAN EXISTING HANDRAILS AND PRIME TO BE REPAINTED AS INDICATED.
13. EXISTING UNDER CANOPY SOFFIT TO BE PRESSURE WASHED TO LIKE-NEW CONDITION.
14. INSTALL (4) 1/2"Ø GALVANIZED STEEL ANCHOR EYE BOLTS. EPOXY SET INTO MASONRY WALL FOR FUTURE SIGN BANNER.
15. FUTURE SIGN BANNER.
16. EXISTING DOCK SEALS, BUMPERS, AND LEVELER TO REMAIN. CLEAN AND SERVICE TO LIKE-NEW CONDITION.
17. NEW WALL HYDRANT. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
18. NEW EXTERIOR WALL OUTLET. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
19. EXISTING GUTTERS AND DOWNSPOUTS TO REMAIN.
20. REMOVE PREVIOUS TENANT SIGNAGE. PATCH AND REPAIR EXISTING SIGN MOUNTING PENETRATIONS AS REQUIRED. PREPARE EXISTING SURFACE FOR NEW PAINT.
21. INSTALL WINDOW TINT ON INSIDE OF EXISTING GLAZING. LUMAR SINGLE PANE: DL 5 GR SR CDF - GRAY; DOUBLE PANE: DR 15 BR CDF - GRAY. CONTRACTOR TO VERIFY STOREFRONT TYPE IN FIELD



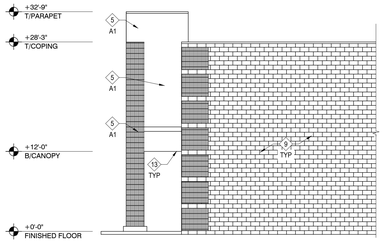
1 A6 EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 A6 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



3 A6 WEST ELEVATION
SCALE: 1/8" = 1'-0"



4 A6 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXTERIOR SIGNS ARE PROVIDED AND INSTALLED BY ADVANCE AUTO PARTS. ALL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT CONCRETE, 7-⅝" X 7-⅝" X 15-⅝", WITH ½" MORTAR JOINTS, WITH TOTAL COURSE HEIGHT TO EQUAL 8". IN RUNNING BOND PATTERN.
3. PROVIDE TOOLED CONCAVE MORTAR JOINTS UNLESS NOTED OTHERWISE. MORTAR JOINTS ARE TO BE STRUCK AND BRUSHED.
4. ALL CONTROL, BUILDING AND EXPANSION JOINTS TO BE INSTALLED PER ASTM, CONCRETE AND/OR BRICK INDUSTRY STANDARDS AS APPLICABLE.
5. PROVIDE SEALANT AT ALL UNLIKE MATERIALS.

EXTERIOR PAINT SPECIFICATIONS FOR ADVANCE AUTO PARTS - NEW CONSTRUCTION & REPAINT / REMODEL UPDATED JANUARY 9, 2025)

NOTE: COLD WEATHER APPLICATION

- MINIMUM AMBIENT / SUBSTRATE TEMPERATURE OF 35 DEGREES (UNLESS OTHERWISE NOTED)
- APPLICATION MUST ALLOW FOR 24 HOURS ABOVE 35 DEGREES FOR COATINGS TO DRY TO TOUCH
- FULL CURE TIME OF 48 HOURS NEEDED AT 35 DEGREES OR ABOVE (LOWER TEMPS WILL EXTEND CURE TIME)
- DO NOT APPLY IF RAIN, SNOW, OR HEAVY DEW IS EXPECTED WITHIN 48 HOURS
- MINIMUM PRODUCT STORAGE TEMPERATURE OF 40 DEGREES REQUIRED

- 1.0 EXTERIOR BLOCK WALLS (SMOOTH & SPLIT-FACE) - A1, B1, Y1, BK

NEW:
1)SURFACE PREPARATION: PRESSURE WASH WITH A MINIMUM OF 2000 PSI TO REMOVE ANY DIRT, MUD, EXCESS MORTAR, ETC. FROM THE BLOCK. MAKE SURE BLOCK IS THOROUGHLY DRY PRIOR TO APPLICATION OF ANY COATINGS.
2)PRIMER / FILLER: PPG SPEEDHIDE 6-150 HI-FILL BLOCK FILLER OR PPG PERMA CRETE 4-10000 BLOCK SURFACER (LOW TEMP ONLY). BLOCK FILLER MUST BE SPRAYED AND BACK-ROLLED WITH LONG NAP ROLLERS. BLOCK TO BE FILLED PINHOLE-FREE PRIOR TO PROCEEDING WITH FINISH COAT.
3)FINISH: 2 COATS PPG SPEEDHIDE 6-211XI EXTERIOR SATIN FINISH. APPLICATION TO MEET THE REQUIREMENTS OF THE PRODUCT DATA SHEET AT 1.4 - 1.6 MILS DFT PER COAT. FINISH COAT SHOULD BE SPRAYED AND BACK ROLLED TO PRODUCE A PINHOLE-FREE SURFACE.
COLOR TO BE AAP-A1 - PPG0995-3 SILVER BAND, AAP-B2 UPPER ACCENT - LOWER ACCENT-PPG0995-5 STEAMSHIP
AAP-ACCENT STRIPE - ADVANCE AUTO PARTS YELLOW - AAP BLACK SIGN BAND USE PPG PSX ONE 750 POLYSILOXANE GLOSS - REFER TO FINISH SCHEDULE FOR SITE SPECIFIC COLOR REQUIREMENTS.
** A SITE VISIT IS TO BE PERFORMED BY A PPG PAINT REPRESENTATIVE PRIOR TO FILLER OR PRIMER APPLICATION AND AFTER FINISH TO INSURE SOUND APPLICATION. REFER TO THE RESPONSIBILITY MATRIX FOR CONTACT INFORMATION**

REPAINT:
1)SURFACE PREPARATION: REQUIREMENTS SAME AS ABOVE.
2)PRIMER / FILLER: PPG SEAL-GRIP 17-921XI ACRYLIC PRIMER SEALER.
3)FINISH: 2 COATS PPG SPEEDHIDE 6-211XI EXTERIOR SATIN FINISH. APPLICATION TO MEET THE REQUIREMENTS OF THE PRODUCT DATA SHEET AT 1.4 - 1.6 MILS DFT PER COAT.
COLOR TO BE AAP-A1 - PPG0995-3 SILVER BAND UPPER ACCENT - AAP-B2 LOWER ACCENT-PPG0995-5 STEAMSHIP
AAP-YI ACCENT BAND - ADVANCE AUTO PARTS YELLOW USE PPG PSX ONE 750 POLYSILOXANE GLOSS
REFER TO FINISH SCHEDULE FOR SITE SPECIFIC COLOR REQUIREMENTS.

** A SITE VISIT IS TO BE PERFORMED BY A PPG PAINT REPRESENTATIVE PRIOR TO FILLER OR PRIMER APPLICATION AND AFTER FINISH TO INSURE SOUND APPLICATION. REFER TO THE RESPONSIBILITY MATRIX FOR CONTACT INFORMATION**

1.1 PRE-FINISHED METAL & METAL BACK DOOR FINISHES - A1, B1,Y1,BK

NOTE: MINIMUM APPLICATION TEMPERATURE OF 45 DEGREES FOR ALL METAL FINISHES

REPAINT & NEW (IF NEEDED):
1)SURFACE PREPARATION: SURFACE MUST BE CLEAN, DRY AND IN SOUND CONDITION. POWER WASH TO REMOVE ALL OIL, GREASE, DIRT, LOOSE RUST, VISIBLE CONTAMINANTS, PEELING PAINT AND OTHER CONTAMINATION TO ENSURE ADEQUATE ADHESION USING A MINIMUM OF 2000 PSI WATER BLAST. DO NOT USE ANY HYDROCARBON CLEANERS. USE A WATER-BASED CLEANER / DEGREASER SUCH AS CLEAR MAGIC OR SIMPLE GREEN AND RINSE THOROUGHLY, AND ALLOW TO DRY.
2)PRIMER: 1 COAT (MINIMUM) PPG 90-1910 PITT-TECH DTM ACRYLIC PRIMER SEALER

3)FINISH: 2 COATS (MINIMUM) PPG 90-1610 PITT-TECH SEMI-GLOSS ACRYLIC FINISH.
AAP-BK - ADVANCE AUTO PARTS BLACK

1.2 PRE-FINISHED METAL & METAL BACK DOOR FINISHES - BK:

NOTE: MINIMUM APPLICATION TEMPERATURE OF 45 DEGREES FOR ALL METAL FINISHES

NEW & REPAINT:
1)SURFACE PREPARATION: SURFACE MUST BE CLEAN, DRY AND IN SOUND CONDITION. POWER WASH TO REMOVE ALL OIL, GREASE, DIRT, LOOSE RUST, VISIBLE CONTAMINANTS, PEELING PAINT AND OTHER CONTAMINATION TO ENSURE ADEQUATE ADHESION USING A MINIMUM OF 2000 PSI WATER BLAST. DO NOT USE ANY HYDROCARBON CLEANERS. USE A WATER-BASED CLEANER / DEGREASER SUCH AS CLEAR MAGIC OR SIMPLE GREEN AND RINSE THOROUGHLY, AND ALLOW TO DRY.
2)PRIMER: 1 COAT (MINIMUM) PITT-GUARD 97-946 GRAY EPOXY PRIMER DEPENDING UPON LOCAL REGULATIONS. APPLY IN ACCORDANCE TO THE PRODUCT DATA SHEET.
3)FINISH: 2 COATS (MINIMUM) PPG DURATHANE 95-3303 DTM URETHANE SPECIAL FORMULA
AAP-BK - BLACK

1.3METAL HANDRAILS

NOTE: MINIMUM APPLICATION TEMPERATURE OF 45 DEGREES FOR ALL METAL FINISHES

1)SURFACE PREPARATION: SURFACE MUST BE CLEAN, DRY AND IN SOUND CONDITION. POWER WASH TO REMOVE ALL OIL, GREASE, DIRT, LOOSE RUST, VISIBLE CONTAMINANTS, PEELING PAINT AND OTHER CONTAMINATION TO ENSURE ADEQUATE ADHESION USING A MINIMUM OF 2000 PSI WATER BLAST. DO NOT USE ANY HYDROCARBON CLEANERS. USE A WATER-BASED CLEANER / DEGREASER SUCH AS CLEAR MAGIC OR SIMPLE GREEN AND RINSE THOROUGHLY AND ALLOW TO DRY. USE MEK TO SOLVENT WIPE AREAS OF HEAVY HAND-OIL CONCENTRATION.
2)PRIME: AS NEEDED, SPOT PRIME BARE AREAS WITH PPG 4160 RUST INHIBITIVE PRIMER
3) FINISH: PPG PITT-TECH 90-1553 BLACK ACRYLIC GLOSS ENAMEL AAP - BLACK

1.6 PARKING LOT BOLLARDS, MANDATED SAFETY REQUIREMENTS
1)SURFACE PREPARATION: SURFACE MUST BE CLEAN, DRY AND IN SOUND CONDITION. POWER WASH IF NEEDED TO REMOVE ALL VISIBLE CONTAMINANTS, PEELING PAINT AND OTHER CONTAMINATION TO ENSURE ADEQUATE ADHESION USING A MINIMUM OF 2000 PSI WATER BLAST. DO NOT USE ANY HYDROCARBON CLEANERS. USE A WATER-BASED CLEANER / DEGREASER SUCH AS CLEAR MAGIC OR SIMPLE GREEN AND RINSE THOROUGHLY, AND ALLOW TO DRY.
PRIME: AS NEEDED, SPOT PRIME BARE AREAS WITH PPG 4160 RUST INHIBITIVE PRIMER FOR METAL SURFACES, OR FOR ALL OTHER SURFACES.
PRIMER: PPG 90-1912 PITT-TECH DTM ACRYLIC PRIMER SEALER
FINISH: PPG PITT-TECH 90-1580 SAFETY YELLOW GLOSS ACRYLIC ENAMEL

REFER TO PRODUCT DATA SHEETS AND LABEL FOR SPECIFIC APPLICATION INSTRUCTIONS AND DRY TIMES.

add yellow
AAP Yellow

MATERIAL SCHEDULE

MATERIAL:	EXTERIOR PAINT:	LOCATION:
A1	AAP-A1, SILVER BAND PPG0995-3	EXTERIOR BLOCK WALLS, EIFS, STUCCO, METAL, METAL DOORS
B1	AAP-B1, STEAMSHIP PPG0995-5	EXTERIOR BLOCK WALLS, EIFS, STUCCO, METAL, METAL COPING
Y1	AAP-Y1 RISE-N-SHINE PPG1205-7	PRE-FINISHED METAL (FACTORY FINISH), STUCCO, EIFS, BLOCK - YELLOW STRIPE
BK	AAP-BK (BLACK) STARLESS NIGHT PPG0995-7	PRE-FINISHED METAL (FACTORY FINISH), STUCCO, EIFS, BLOCK - BLACK SIGNBAND
RAILS	AAP-BK - PPG0995-7	HANDRAILS (EXTERIOR PAINT ONLY)
SAFETY	SAFETY YELLOW PPG1212-6	BOLLARDS, MANDATED SAFETY AREAS

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ARCHITECTURE | ENGINEERING | INTERIORS
2455 Woodlake Circle, Suite 202
Okemos, Michigan 48864
P (847)398-1525 | F (847)390-8150
www.camburasandtheodore.com

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STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REV	DATE	DESCRIPTION

DATE	GROSS SQ. FT.
08-13-26	40,278 S.F.

PROJECT # 26-0717764
DRAWN BY: AB
CHECK BY: NU

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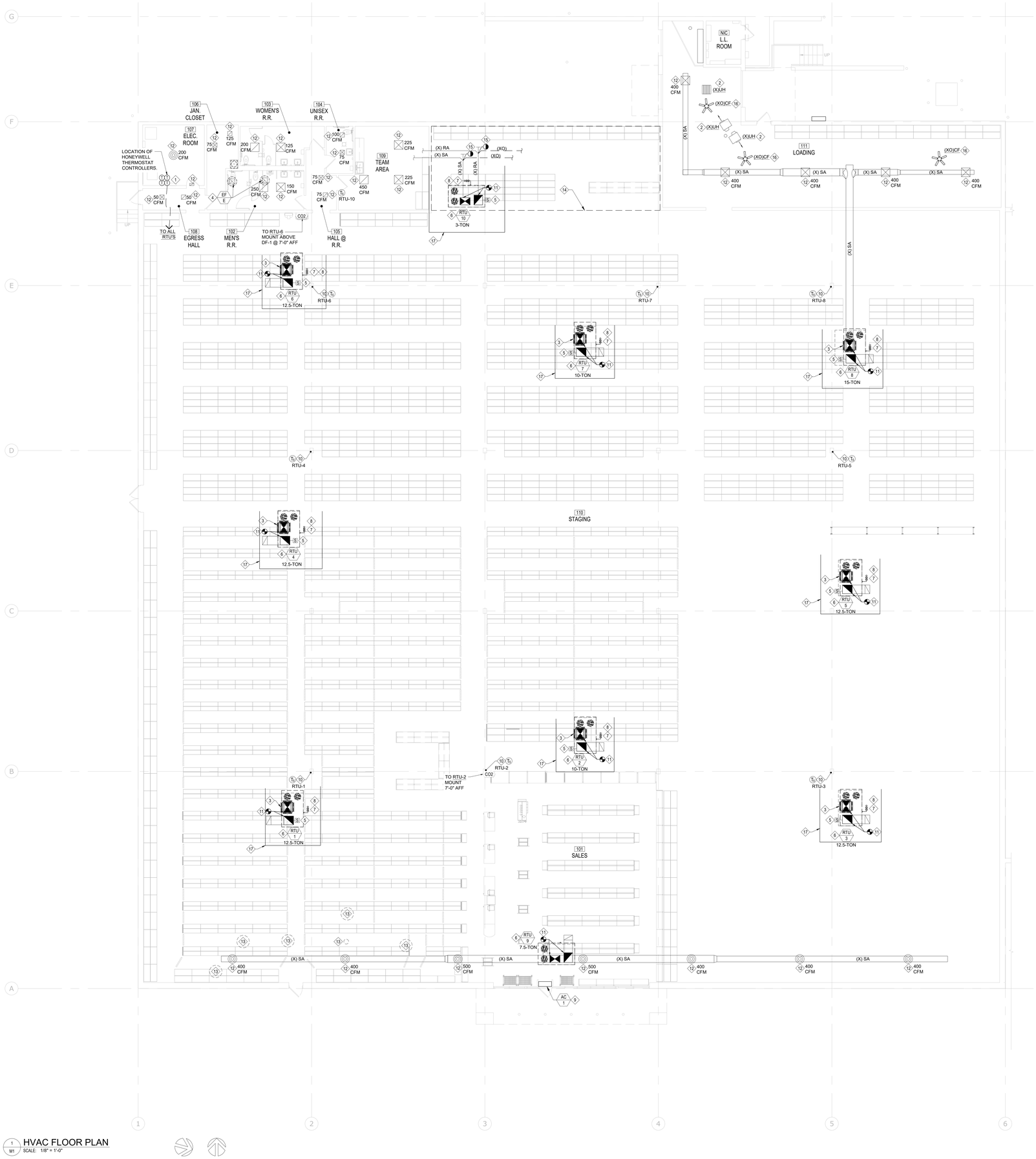
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Q1-26

EXTERIOR ELEVATIONS

A6



HVAC GENERAL NOTES:

1. ALL RECTANGULAR AND ROUND DUCTS SHALL BE SIZED AS SHOWN ON THE DRAWINGS. DUCT SIZES SHOWN ARE FREE AREA SIZES AND THE CONTRACTOR SHALL MAKE ALLOWANCES TO INCLUDE INTERNAL DUCT LINER INSULATION FOR RECTANGULAR DUCTS PER THE HVAC SPECIFICATIONS ON SHEET MP1.

2. ALL RECTANGULAR AND ROUND DUCTWORK SHALL BE FABRICATED USING MILD GALVANIZED SHEET METAL. FIBERGLASS DUCTBOARD IS PROHIBITED.

3. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED ACCORDING TO THE MOST RECENTLY PUBLISHED ASHRAE AND SMACNA STANDARDS. UNLESS OTHERWISE NOTED ROUTE DUCTWORK AS HIGH AS POSSIBLE.

4. INSTALL TURNING VANES IN ALL RECTANGULAR DUCT ELBOWS.

5. SUPPLY & RETURN DUCT CONNECTIONS TO EQUIPMENT SHALL INCLUDE CANVAS FLEXIBLE DUCT CONNECTORS. LOCATE FLEXIBLE DUCT CONNECTORS MAXIMUM 6" BELOW BOTTOM OF ROOF DECK FOR VERTICAL DUCT DROPS FROM ROOF MOUNTED EQUIPMENT.

6. MANUFACTURER'S MINIMUM CLEARANCE RECOMMENDATIONS SHALL BE MAINTAINED ON ALL EQUIPMENT AND DUCTWORK.

7. CONDENSATE DISCHARGE FOR RTUS MUST BE PIPED WITH TRAP, AND DISCHARGING ONLY ROOF SPLASH BLOCK.

8. AN EQUIPMENT INSTALLATION CHECKLIST AND INSTALLATION MANUALS WILL BE FORWARDED TO THE HVAC CONTRACTOR WHEN THE EQUIPMENT ORDER IS PLACED. THE HVAC CONTRACTOR WILL COMPLETE THE CHECKLIST DURING THE EQUIPMENT INSTALLATION.

9. AN EQUIPMENT START-UP & CHECKOUT SHEET FOR EACH UNIT WILL BE PROVIDED TO THE HVAC CONTRACTOR BY THE ADVANCE AUTO PARTS REPRESENTATIVE. THESE SHEETS SHALL BE COMPLETED AND SUBMITTED TO THE PROJECT MANAGER AT OR PRIOR TO THE REQUEST FOR PUNCHLIST.

10. REPLACE ALL HVAC START-UP EQUIPMENT FILTERS WITH NEW 2" PLEATED THROWAWAY FILTERS THE WEDNESDAY PRIOR TO OPENING. DISPOSE OF REPLACED FILTERS OFF SITE.

11. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEMS TO THE DESIGN AIR QUANTITIES. THE BALANCING CONTRACTOR SHALL PROVIDE AAP WITH A COPY OF THE CERTIFIED AIR BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT. DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10

12. IF THE PROJECT IS A STORE REMODEL AND EXISTING RTU OPENINGS ARE BEING USED, PROVIDE A CURB ADAPTER FOR THE NEW RTU. COORDINATE WITH THE LENNOX NATIONAL ACCOUNTS MANAGER.

13. IF A CEILING IS INSTALLED IN THE SALES/MERCHANDISING AREAS, THE FOLLOWING ITEMS, EQUIVALENT TO MICROMETL, SHALL BE PROVIDED:

CONCENTRIC TRANSITION
#0816-643A-00010 DUCT PACKAGE
#0903-348B-00010 30"x48" FLUSH DIFFUSER
#0902-0013-00000 MICROMETL CORPORATION (800) 662-4822

14. ELECTRICAL CONTRACTOR'S RESPONSIBLE FOR PROVIDING REMOTE TEST STATIONS AND ASSOCIATED WIRING FOR FACTORY SUPPLIED RETURN AIR DUCT SENSORS. LOCATE ADJACENT TO TELEPHONE BOARD, RE: 1/E4. G.C. IS RESPONSIBLE FOR COORDINATION OF SCOPE BETWEEN TRADES, TYPICAL.

HVAC FLOOR PLAN KEY NOTES:

1. RTU THERMOSTAT LOCATION - PROVIDE AND INSTALL HONEYWELL PROGRAMMABLE THERMOSTATS AND CONTROL WIRING, MODEL TH8320R1003 REDLINK VISION PRO 8000 3 HEAT/2 COOL 7 DAY PROGRAMMABLE TOUCHSCREEN. MOUNT AT 5'-7" AFF.
2. EXISTING GAS UNIT HEATER WITH ACCESSORIES TO REMAIN. CONTRACTOR TO VERIFY CONDITION OF EXISTING GAS UNIT HEATER IN FIELD. REFURBISH AS NECESSARY TO BRING UP TO "AS NEW" CONDITION.
3. EXISTING DROP BOX TO REMAIN. CONTRACTOR SHALL CLEAN AND SERVICE.
4. CONTRACTOR TO INSPECT EXISTING EXHAUST FAN. IF EXHAUST FAN IS NOT IN WORKING ORDER, CONTRACTOR TO REPLACE WITH SIMILAR EXHAUST FAN.
5. THE RETURN AIR SMOKE DETECTOR IN THE MAIN RETURN AIR PATH IS FACTORY INSTALLED IN ACCORDANCE WITH APPLICABLE CODES. THE REMOTE INDICATOR/TEST STATION, WIRING AND CONDUIT (IF REQ'D) IS NOT FACTORY INSTALLED, AND SHALL BE BY THE ELECTRICAL CONTRACTOR. THE SMOKE DETECTOR AND THE REMOTE INDICATOR/TEST STATION SHALL BE INTERLOCKED WITH THE RTU CONTROLS TO AUTOMATICALLY SHUT DOWN THE UNIT UPON SENSOR ACTIVATION OR REMOTE INDICATOR/TEST STATION USE. SEE ELECTRICAL DRAWINGS FOR CLARIFICATION.
6. NEW ROOFTOP UNIT OVER EXISTING CURB VIA CURB-ADAPTER. EXISTING HVAC UNIT TO BE DEMOLISHED. GC TO COORDINATE WITH MC AND FIELD VERIFY FEASIBILITY. PROVIDE DUCT TRANSITIONS AS REQUIRED. PROVIDE CURB REPLACEMENT IF NECESSARY.
7. RISE/DROP TO THE RTU GAS CONNECTION. PROVIDE A FULL SIZE DIRT LEG, GAS COCK AND UNION AT THE UNIT CONNECTION.
8. UTILIZE EXISTING GAS PIPING WHERE FEASIBLE. CONTRACTOR SHALL VERIFY EXISTING GAS PIPING, GAS METER, AND REGULATOR ARE ADEQUATELY SIZED FOR THE NEW RTU AND UPGRADE AS REQUIRED.
9. NEW ELECTRIC AIR CURTAIN. REFER TO SCHEDULE. SUSPEND FROM STRUCTURE ABOVE. AVOID NEW SECURITY SHUTTER HOUSING.
10. HONEYWELL TR21-A TEMPERATURE SENSOR MOUNTED TO HANGING CONDUIT @ 7'-0" A.F.F.
11. CONNECT EXISTING DUCTWORK TO NEW ROOFTOP UNIT. EXISTING DUCTWORK TO REMAIN.
12. EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK TO REMAIN. CONTRACTOR SHALL CLEAN, SERVICE, AND REBALANCE AS REQUIRED.
13. CONTRACTOR TO REMOVE EXISTING UNIT AND PROVIDE FULL ROOF PATCHING ALONG WITH MEMBRANE, INSULATION AND INFILL OF METAL DECK. EXISTING OPENINGS / PENETRATIONS ON THE INTERIOR ARE TO BE FRAMED AND SKINNED TO MATCH ADJACENT FINISH AT UNDERSIDE OF ROOF DECK. REFER TO STRUCTURAL.
14. REMOVE ALL EXISTING DUCTWORK SERVING HIGHLIGHTED AREA, INCLUDING HANGERS, DIFFUSERS, GRILLES, CONTROLS, AND ASSOCIATED ACCESSORIES.
15. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED BRANCH DUCT. CAP MAIN DUCT AT POINT OF DEMOLITION SHOWN.
16. EXISTING CEILING FAN AND ALL ASSOCIATED CONTROLS AND ACCESSORIES TO BE DEMOLISHED.
17. EXISTING SCREENING AROUND HVAC UNITS SHALL BE REPAIRED OR REPLACED AS REQUIRED. REFER TO ARCHITECTURAL PLANS FOR MORE DETAIL.

APPLICABLE CODES FOR THE PROJECT

BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE*
MECHANICAL CODE:	2018 INTERNATIONAL MECHANICAL CODE*
ELECTRICAL CODE:	2014 ST LOUIS COUNTY ELECTRICAL CODE 2020 (2014 NEC)
PLUMBING CODE:	2015 ST LOUIS COUNTY PLUMBING CODE 2021 (2015 UPC)
ENERGY CODE:	2018 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE:	2018 INTERNATIONAL FIRE CODE*
ACCESSIBILITY CODE:	2017 ICC ANSI A117.1

1 / M1 HVAC FLOOR PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH PLAN NORTH

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
222 Merchandise Mart Plaza, Suite 1212
San Antonio, IL 60018
P (847)296-1525 | F (847)296-8130
www.camburasandtheodore.com

ADVANCE AUTO PARTS
STORE #6547
13061 MANCHESTER ROAD
BALLWIN, MO 63011

REV	DATE	DESCRIPTION
		REVISIONS

DATE 08-13-26 | GROSS SQ. FT. 40,278 S.F.
PROJECT # 26-0717764
DRAWN BY: MM
CHECK BY: AW

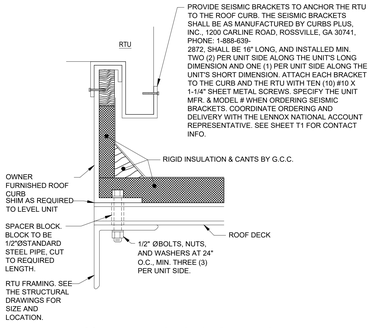
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Q1-26

HVAC FLOOR PLAN

M1



1 M2 RTU ANCHORING DETAIL
SCALE: NONE

A. STATIC PRESSURE IN PAN (INCHES)
B. 0.5 X STATIC PRESSURE IN PAN (INCHES)

NOTE:
ALL PIPES FULL SIZE OF UNIT OUTLET.

2 M2 RTU CONDENSATE DETAIL
SCALE: NONE

MECHANICAL VENTILATION SCHEDULE (BASED ON 2024 INTERNATIONAL MECHANICAL CODE)

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	ZONE AREA Az	OCCUPANT DENSITY #/1000 Pz	OCCUPANT DENSITY TOTAL Pz	PEOPLE OUTDOOR AIR RATE Rp	AREA OUTDOOR AIR RATE Ra	ZONE EFFECTIVENESS ESS Ez	BREATHING OUTDOOR AIRFLOW (REQ'D) Vbz=RpPz+RaAz	ACTUAL OUTDOOR AIRFLOW PROVIDED	EXHAUST REQUIREMENTS CFM / SQ.FT	EXHAUST REQUIREMENTS CFM / FIXTURE	EXHAUST REQUIREMENTS CFM TOTAL	ACTUAL EXHAUST (CFM)	EXHAUST EQUIPMENT	SUPPLY EQUIPMENT
101	SALES	SALES	36,175	15 /	543	7.5	0.12	0.80	10,513	11,625	-	-	-	-	-	RTU-1,2,3,4,5,6,7,8,9
102	MEN'S R.R.	TOILETS - PUBLIC	162	/	0	0	0.00	0.80	0	30	-	70	210	250	EF-E	RTU-10
103	WOMEN'S R.R.	TOILETS - PUBLIC	158	/	0	0	0.00	0.80	0	25	-	70	140	200	EF-E	RTU-10
104	UNISEX R.R.	TOILETS - PUBLIC	68	/	0	0	0.00	0.80	0	15	-	70	70	100	EF-E	RTU-10
105	HALL @ RR	CORRIDOR	82	/	0	0	0.06	0.80	6	15	-	-	-	-	-	RTU-10
106	JANITOR	TOILETS - PUBLIC	115	/	0	0	0.00	0.80	0	15	1	-	115	125	EF-E	RTU-10
107	ELECTRICAL ROOM	UNOCCUPIED	200	/	0	0	0.00	0.80	0	40	-	-	-	-	-	RTU-10
108	EGRESS HALL	CORRIDOR	72	/	0	0	0.06	0.80	5	10	-	-	-	-	-	RTU-10
109	TEAM AREA	BREAK ROOM	361	25 /	9	5	0.06	0.80	83	90	-	-	-	-	-	RTU-10
111	LOADING	STOCK, RECEIVING	1,823	2 /	4	10	0.12	0.80	319	600	-	-	-	-	-	RTU-8
	TOTALS:		39,216 SQ. FT.						10,926	12,465			535 CFM	675 CFM		

ROOF TOP UNIT SCHEDULE

(COORDINATE ORDERING AND DELIVERY WITH THE LENNOX NATIONAL ACCOUNT REPRESENTATIVE. REFER TO SHEET T1 FOR CONTACT DATA.)

(M.C. MUST CONTACT NATIONAL ACCOUNT COORDINATOR TO REVIEW SUBMITTALS & COMPLETE PURCHASE ORDER)

MARK	LENNOX MODEL #	NOM. TONS	SUPPLY FAN HP	SUPPLY FAN CFM	SUPPLY FAN ESP	VOLTS / PHASE	GAS HEATING MBH INPUT	GAS HEATING MBH OUTPUT	INT. HTG. CAP. MBH @ 45 DEG. F AMBIENT	ELEC. RESISTANCE STRIP HEATER KW	COOLING DATA TOTAL	COOLING DATA SENSIBLE	COOLING DATA AMB.	COOLING DATA DB	COOLING DATA WB	MCA	MOCP	EER / IEER / SEER	WEIGHT (LBS.)*	ACCESSORIES / NOTES
RTU-1	LGT150H5E	12.5	3.75	4,750	0.8	460 / 3	240.0	194.0	N/A	N/A	136.9	96.1	103	80	68	28	35	10.8 / 15.4	1,450	1,2,3,4,5,8,9,10,11,12
RTU-2	LGT120H5E	10	3.75	4,000	0.8	460 / 3	240.0	194.0	N/A	N/A	118.5	84.5	103	80	68	23	30	12.1 / 16.1	1,400	1,2,3,4,5,7,8,9,10,11,12
RTU-3	LGT150H5E	12.5	3.75	4,750	0.8	460 / 3	240.0	194.0	N/A	N/A	136.9	96.1	103	80	68	28	35	10.8 / 15.4	1,450	1,2,3,4,5,8,9,10,11,12
RTU-4	LGT150H5E	12.5	3.75	4,750	0.8	460 / 3	240.0	194.0	N/A	N/A	136.9	96.1	103	80	68	28	35	10.8 / 15.4	1,450	1,2,3,4,5,8,9,10,11,12
RTU-5	LGT150H5E	12.5	3.75	4,750	0.8	460 / 3	240.0	194.0	N/A	N/A	136.9	96.1	103	80	68	28	35	10.8 / 15.4	1,450	1,2,3,4,5,8,9,10,11,12
RTU-6	LGT150H5E	12.5	3.75	4,750	0.8	460 / 3	240.0	194.0	N/A	N/A	136.9	96.1	103	80	68	28	35	10.8 / 15.4	1,450	1,2,3,4,5,7,8,9,10,11,12
RTU-7	LGT120H5E	10	3.75	4,000	0.8	460 / 3	240.0	194.0	N/A	N/A	118.5	84.5	103	80	68	23	30	12.1 / 16.1	1,400	1,2,3,4,5,8,9,10,11,12
RTU-8	LGT180H5M	15	5.0	6,000	0.8	460 / 3	360.0	292.0	N/A	N/A	175.3	129.3	103	80	68	35	40	12.0 / 15.4	2,500	1,2,3,4,5,8,9,10,11,12
RTU-9	LGT092H5E	7.5	3.75	3,000	0.8	460 / 3	180.0	144.0	N/A	N/A	90.6	64.1	103	80	68	22	25	12.3 / 16.1	1,300	1,2,3,4,5,8,9,10,11,12
RTU-10	LGT036H5E	3	0.5	3,000	0.8	460 / 3	65.0	52.0	N/A	N/A	36.1	25.9	103	80	68	10	15	13.5 / - / 17.5	1,200	1,2,3,4,5,8,9,10,11,12

ACCESSORIES / NOTES:

1. FACTORY INSTALLED ECONOMIZER.
2. FACTORY INSTALLED BAROMETRIC RELIEF.
3. FACTORY INSTALLED POWER DISCONNECT SWITCH.
4. FACTORY INSTALLED NON-POWERED CONVENIENCE OUTLET. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO OUTLET.
5. FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.
6. NOT USED.
7. MANUFACTURER'S CO2 DEMAND-CONTROLLED VENTILATION WALL SENSOR SHIPPED WITH THE UNIT. FURNISH TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION.
8. PROVIDE WITH HAIL GUARD.
9. MANUFACTURER'S GAS PIPING KIT SHIPPED WITH THE UNIT AND FIELD INSTALLED.
10. PROVIDE FACTORY INSTALLED THROUGH-THE-BASE CONDENSATE DRAIN CONNECTION WITH P-TRAP. IF ALLOWED BY CODE, PROVIDE AND INSTALL 1-1/4" CONDENSATE DRAIN LINE W/4" DEEP (MIN.) P-TRAP AND ROUTE TO NEAREST ROOF DRAIN OR ROOF SCUPPER/GUTTER SYSTEM AT REAR OF STORE.
11. FIELD SUPPLIED AND INSTALLED 2" PLEATED THROWAWAY FILTERS.
12. PROVIDE WITH PREFABRICATED ROOF CURB ADAPTERS (MINIMUM 14" OVERALL CURB HEIGHT, WOOD NAILER, INSULATED DECKS).

MCA - MINIMUM CIRCUIT AMPS
MOCP - MAXIMUM OVERCURRENT PROTECTION
* - APPROX. WEIGHT INCLUDES ACCESSORIES (CURB, ECONOMIZER, ETC.)

AIR CURTAIN SCHEDULE

MARK	MFR. & MODEL	CFM	LENGTH	VOLTAGE / PHASE	MOTOR HP	HEAT CAPACITY	AMPS / MOCP	WEIGHT	ACCESSORIES / NOTES
AC-1	POWERED AIR INC. EVE-1-36	984	36"	120V/1PH	(1) 1/5	N/A	4 / 15	53 LBS.	1,2,3,4,5,6,7,8

NOTES:

1. MEETS IECC BUILDING CODE WHICH ALLOWS AMCA CERTIFIED AIR CURTAIN AS AN ALTERNATIVE TO VESTIBULES.
2. MAGNETIC DOOR SWITCH AT EACH DOOR FOR INSTALLATION BY CONTRACTOR.
3. MOUNT ABOVE DOOR AT 7'-3" A.F.F.
4. PREFERRED VENDOR. NO SUBSTITUTIONS
5. FINISH TO BE STAINLESS STEEL 18GA 304 #3 FINISH
6. TOP MOUNT
7. UNIT MOUNTED VARIABLE SPEED CONTROLLER.
8. THERMOSTAT MOUNTED TO TOP OF UNIT.

GAS LOAD CALCULATIONS

EQUIPMENT:	LOAD:
RTU-1	240.0
RTU-2	240.0
RTU-3	240.0
RTU-4	240.0
RTU-5	240.0
RTU-6	240.0
RTU-7	240.0
RTU-8	360.0
RTU-9	180.0
RTU-10	65.0
(X)UH	100.0
(X)UH	100.0
TOTALS:	2485.0 MBH

LENNOX RTU EQUIPMENT NOTES

FOR COMPLETE INFORMATION/PRICING ON THE RTU EQUIPMENT PACKAGE, CONTACT THE ADVANCE AUTO PARTS ACCOUNT REPRESENTATIVE AT LENNOX NATIONAL ACCOUNTS. REFER TO SHEET T1 FOR CONTACT DATA.

ANY CHANGES/VARIATIONS TO THE ORIGINAL RTU EQUIPMENT PACKAGE SHOULD BE BROUGHT TO THE ATTENTION OF THE ACCOUNT REPRESENTATIVE AT LENNOX NATIONAL ACCOUNTS AT THE TIME OF QUOTATION.

THE RTU EQUIPMENT PACKAGE MUST BE ORDERED FROM LENNOX NATIONAL ACCOUNTS. NO SUBSTITUTIONS WILL BE ALLOWED.

NOTE: ORDERING PROCEDURES
THE SUCCESSFUL HVAC CONTRACTOR SHALL PLACE THE ORDER FOR THE RTU EQUIPMENT PACKAGE DIRECTLY WITH THE LENNOX NATIONAL ACCOUNT REPRESENTATIVE. THE HVAC CONTRACTOR WILL BE RESPONSIBLE FOR THE EQUIPMENT WARRANTY, DELIVERY COORDINATION, RECEIVING AND INSTALLATION.

MECHANICAL SYMBOLS AND ABBREVIATIONS LEGEND

A.F.F.	ABOVE FINISHED FLOOR
AMB.	AMBIENT TEMPERATURE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
C.L.	CENTERLINE
CO2	CARBON DIOXIDE
CONTR.	CONTRACTOR
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB TEMPERATURE
DIA.	DIAMETER
DN.	DOWN
E.A.	EXHAUST AIR
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EXH.	EXHAUST
FIN. FL.	FINISHED FLOOR
FLA	FULL LOAD AMPERES
HP	HORSEPOWER
MBH	ONE THOUSAND (1000) BTUH
MFR.	MANUFACTURER
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.A.	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
R.A.	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
S.A.	SUPPLY AIR
S.F.	SQUARE FEET
S.P.	STATIC PRESSURE
TSP.	TOTAL STATIC PRESSURE
TYP.	TYPICAL
UH	UNIT HEATER
WB	WET BULB TEMPERATURE
W.C.	WATER COLUMN

--G----G--	GAS PIPING OF SIZE NOTED
--D----D--	CONDENSATE DRAIN PIPING OF SIZE NOTED
	UNION
S	DUCT MOUNTED SMOKE DETECTOR
	SUPPLY AIR DIFFUSER
	RETURN OR EXHAUST GRILLE
	VOLUME DAMPER (VD)
T	THERMOSTAT
TS	REMOTE TEMPERATURE SENSOR
CO2	CARBON DIOXIDE SENSOR
	PIPE RISER
	PIPE DROP
	SHUT OFF VALVE
	CHECK VALVE
R D	DUCT RISE OR DROP (R=RISE, D=DROP)
	DISCHARGE OR SUPPLY AIR DUCT
	RETURN OR EXHAUST AIR DUCT
	OUTSIDE AIR SUPPLY DUCT
EMS	ENERGY MANAGEMENT SYSTEM

X / X	AIR DEVICE TYPE / NECK SIZE / AIR QUANTITY (CFM) — AIR DEVICE DESIGNATION
XXX / X	EQUIPMENT TYPE / EQUIPMENT MARK — EQUIPMENT DESIGNATION
20x12 / 20x12	TURNING VANES - NUMBER OF VANES SHALL BE BASED ON ACTUAL DUCT SIZE AND NOT ON SCHEMATIC SYMBOLS ON DWG. DUCT SIZE DESIGNATION: SIZE IS FREE AREA REQUIRED. CONTRACTOR SHALL MAKE ALLOWANCE FOR DUCT LINER THICKNESS WHERE SPECIFIED.
X	KEYED NOTES ON DRAWING
X	DRAWING REVISIONS
X	EXISTING TO REMAIN
XO	EXISTING TO BE REMOVED
XR	EXISTING RELOCATED
	POINT OF DEMOLITION
	POINT OF NEW CONNECTION

NOTE: THIS LEGEND IS FOR REFERENCE ONLY. NOT ALL SYMBOLS AND ABBREVIATIONS WILL BE USED. NOT ALL SYMBOLS AND ABBREVIATIONS USED ARE INCLUDED IN LEGEND. IF QUESTIONS ARISE DUE TO THE USE OF ANY SYMBOL OR ABBREVIATION THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY FOR DEFINITION(S) AND/OR CLARIFICATION(S).

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2456 E. Perkins St. Suite 202
Memphis, TN 38104
P (847)296-1525 | F (847)290-8150
www.camburasandtheodore.com

ADVANCE AUTO PARTS
STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REVISIONS

REV.#	DATE	DESCRIPTION

DATE: 08-13-26
GROSS SQ. F.T.: 40,278 S.F.
PROJECT #: 26-071764
DRAWN BY: MM
CHECK BY: AW

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FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION
Q1-26

HVAC SCHEDULES AND DETAILS

M2

HVAC SPECIFICATIONS

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES AND ADVANCE AUTO PARTS (AAP) MINIMUM REQUIREMENTS AS STATED HEREIN OR OTHERWISE INDICATED BY AAP.

2. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.

3. ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS FIELD CONDITIONS REQUIRE MINOR CHANGES BE MADE. MINOR CHANGES SHALL BE MADE WITH NO ADDITIONAL COST.

4. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY AAP.

5. ACTUAL LOCATIONS OF UTILITY SERVICES MUST BE FIELD VERIFIED. CHANGES TO CONFORM TO ACTUAL POINTS OF CONNECTION SHALL BE MADE AT NO ADDITIONAL COST.

6. EQUIPMENT, FIXTURES, AND ACCESSORIES SHALL NOT BE SUPPORTED FROM CEILINGS, SOFFITS, NEUTRAL PIERS, PIPING, DUCTWORK, ROOF DECK, LATERAL BRACING, BRIDGING OR CONDUIT. ITEMS SHALL ONLY BE SUPPORTED FROM STRUCTURE WHICH HAS BEEN APPROVED FOR SUPPORT.

7. ALL ROOF WORK PENETRATIONS AND REPAIRS SHALL BE TOTALLY PERFORMED BY ONLY THOSE ROOFING CONTRACTORS APPROVED BY AAP. THIS CONTRACTOR SHALL ONLY EMPLOY ROOFING CONTRACTORS APPROVED BY AAP FOR ALL REQUIRED ROOF WORK.

8. INSTALLATION OF ROOF MOUNTED EQUIPMENT SHALL BE COORDINATED WITH THE AAP DESIGNATED REPRESENTATIVE.

9. DEFICIENCIES AND NON-CONFORMING ITEMS SHALL BE CORRECTED BY THE CONTRACTOR. FAILURE TO CORRECT SUCH ITEMS SHALL PERMIT AAP TO CORRECT SAME AT A COST TO THE CONTRACTOR.

10. INSTALLATIONS OF EQUIPMENT, i.e. FANS, AIR HANDLING UNITS, ETC., SHALL CONFORM TO THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. THEY SHALL INCLUDE IN THEIR BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.

12. THE CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO AAP. THE AS-BUILT DRAWINGS SHALL INDICATE THE ACTUAL MANUFACTURER OF THE EQUIPMENT THAT WAS INSTALLED, THE EXACT LOCATION OF THE EQUIPMENT AND PERTINENT CAPACITIES.

13. THE SCOPE OF WORK OF THIS CONTRACT INCLUDES, BUT SHALL NOT BE LIMITED TO:

13.1 PROVIDE AND INSTALL ALL EQUIPMENT, APPLIANCES, CONTROL/EMS DEVICES, ACCESSORIES, MATERIAL AND LABOR.

13.2 PROVIDE AND INSTALL ALL DUCTWORK, INSULATION, AIR DEVICES, DUCT ACCESSORIES, MATERIAL AND LABOR.

13.3 PROVIDE AND INSTALL ALL PIPING, FITTINGS, VALVES, INSULATION, ACCESSORIES, MATERIAL AND LABOR.

13.4 PROVIDE AND INSTALL EXHAUST SYSTEM(S) AS INDICATED.

13.5 PROVIDE AND INSTALL ALL ROOF WORK, INCLUDING EQUIPMENT SUPPORTS AND ROOF PENETRATIONS.

13.6 PROVIDE ALL EQUIPMENT SUPPORTS AND HANGERS INCLUDING ANY AUXILIARY STEEL REQUIRED. ANY STRUCTURAL MODIFICATION TO THE BUILDING STRUCTURE SHALL BE MADE ONLY WITH THE WRITTEN APPROVAL OF AAP.

13.7 CLEAN, TEST AND PUT INTO SERVICE ALL SYSTEMS SPECIFIED.

13.8 PROVIDE A TEST & BALANCE REPORT PREPARED BY AN INDEPENDENT AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR.

13.9 WARRANT ALL WORK AND MATERIALS HEREIN SPECIFIED FOR A PERIOD OF NOT LESS THAN ONE YEAR.

14. MATERIALS

14.1 ALL MATERIALS SHALL BE NEW AND OF RECOGNIZED COMMERCIAL QUALITY. USED MATERIALS WILL NOT BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

14.2 DUCTWORK

14.2.1 ALL DUCTWORK EXCEPT FLEXIBLE DUCTWORK SHALL BE GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA - "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE". DUCTWORK 18" WIDTH AND LARGER SHALL BE CROSS-BROKEN OR RIBBED AND STIFFENED SO THAT IT WILL NOT "BREATHE", RATTLE, VIBRATE, OR SAG.

14.3 DUCT INSULATION

14.4.1 ALL RECTANGULAR SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED INTERNALLY UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. INTERNAL INSULATION SHALL BE 1-1/2" THICK FIBERGLASS DUCT LINER WITH A K-FACTOR OF .24 AT 75 DEG. F MEAN, A DENSITY OF 1.5 LB./C.F., BE SUITABLE FOR UP TO 2,500 FPM AIR VELOCITY AND HAVE A MINIMUM 6.0 INSTALLED R-VALUE.

14.3.2 ALL DUCT INSULATION SHALL BE UL LABELED FOR FIRE AND SMOKE RATINGS WITH A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50. DUCT INSULATION SHALL COMPLY WITH ALL APPLICABLE ASHRAE AND SMACNA STANDARDS.

14.3.3 DUCT INSULATION SHALL BE CERTAINTEED "TOUGHGARD R" DUCT LINER INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES.

14.4 AIR DEVICES

14.4.1 AIR DEVICES SHALL BE AS SPECIFIED ON THE DRAWINGS. ALTERNATE MANUFACTURER'S ACCEPTABLE FOR BASE BID ARE TITUS, CARNES, PRICE, METALAIRE OR KRUEGER.

14.4.2 AN OPPOSED BLADE VOLUME DAMPER SHALL BE PROVIDED AT ALL SUPPLY AIR DEVICES. NO DAMPER IS REQUIRED AT RETURN OR TRANSFER AIR GRILLES.

14.4.3 ALL AIR DEVICES SHALL BE FINISHED GALVANIZED STEEL.

14.5 PIPING AND FITTINGS

14.5.1 INTERIOR CONDENSATE DRAIN PIPING, (WHEN USED), SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS. INSULATE ALL INTERIOR CONDENSATE DRAIN PIPING WITH 3/8" THICK ARMAFLEX. SEAL ALL JOINTS IN THE INSULATION.

14.5.2 EXTERIOR CONDENSATE DRAIN PIPING, (WHEN USED), SHALL BE TYPE L COPPER WITH SOLDERED JOINTS AND WROUGHT COPPER FITTINGS.

14.5.3 NATURAL GAS PIPING, (WHEN USED), SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED JOINTS AND MALLEABLE IRON FITTINGS.

14.6 GAS VALVES (WHEN REQUIRED)

14.6.1 GAS COCKS 2" AND SMALLER SHALL BE 150 PSI NON-SHOCK WOG, BRONZE STRAIGHTWAY COCK, FLAT OR SQUARE HEAD WITH THREADED ENDS.

14.6.2 PRESSURE REGULATING VALVES SHALL BE SINGLE STAGE, STEEL JACKETED, CORROSION-RESISTANT, GAS PRESSURE REGULATORS WITH ATMOSPHERIC VENT, ELEVATION COMPENSATOR, THREADED ENDS, PROPER SPRING FOR INLET AND OUTLET GAS PRESSURES AND SIZED FOR THE SPECIFIC GRAVITY AND VOLUME OF FLOW AS INDICATED AND/OR REQUIRED.

15. EQUIPMENT

15.1 HVAC EQUIPMENT SHALL BE AS SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN.

16. EXECUTION

16.1 GENERAL

16.1.1 ACCESSIBILITY - ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT ALL COMPONENTS REQUIRING ACCESS ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, OR RECALIBRATED, ETC., BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT.

16.1.2 WORK BY OTHER TRADES - FOR THE WORK REQUIRED BY OTHER TRADES FOR CHANGES MADE BY THIS CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE.

16.1.3 WORK NOT INCLUDED - POWER WIRING, INCLUDING FINAL CONNECTIONS, IS BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL MOTORS AND FURNISH THE STARTING EQUIPMENT TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION. UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, CONTROL/EMS WIRING AND RELATED CONDUIT AND J-BOXES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL SENSORS, INTERLOCKS, ETC. SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.. MECHANICAL CONTRACTOR TO ORDER THERMOSTATS FROM HONEYWELL TO BE INSTALLED BY MECHANICAL CONTRACTOR. DUCT MOUNTED SMOKE DETECTORS SHALL BE FACTORY INSTALLED. THE REMOTE INDICATOR/TEST STATION FOR EACH SMOKE DETECTOR BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SMOKE DETECTOR WIRING NOT FACTORY INSTALLED, ALL REMOTE INDICATOR/TEST STATION WIRING, AND ALL RELATED CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

16.1.4 EARLY START-UP - THIS CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT IS CONNECTED WITH ELECTRICAL POWER AS EARLY AS POSSIBLE SO THAT BALANCING AND TESTING CAN BEGIN AT THE EARLIEST DATE AVAILABLE.

16.1.5 CLEANING AND PAINTING - THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC., FROM THE WORK AREA. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE WORK SPACE IN A THOROUGHLY CLEAN AND ORDERLY MANNER. ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED UP OR REPAINTED TO MATCH THE ORIGINAL COLOR. IF ANY PART HAS BEEN BENT, BROKEN OR OTHERWISE DAMAGED, IT SHALL BE REPLACED PRIOR TO PROJECT CLOSEOUT. ALL METAL ITEMS INSIDE THE BUILDING SUBJECT TO RUSTING, AND ALL FERROUS METAL EXPOSED TO THE WEATHER SHALL BE GIVEN ONE COAT OF RUST PREVENTIVE PRIMER IMMEDIATELY AFTER INSTALLATION.

16.2 EQUIPMENT INSTALLATION

16.2.1 ALL EQUIPMENT AND RELATED PIPING, DUCTWORK AND ACCESSORIES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND, IF INSTALLED WITHIN THE BUILDING ENVELOPE, SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE MAX-IMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESS-IBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER IS GREATER.

16.3 DUCTWORK

16.3.1 LOW PRESSURE DUCTWORK AND FITTINGS SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS, TO MAKE TRANSITIONS, OR FOR ANY OTHER REASON.

16.3.2 INSTALL DUCTWORK AS HIGH AS POSSIBLE.

16.3.3 PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION.

16.3.4 PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.

16.3.5 NOTE: DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PREFABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

16.4 DUCT INSULATION

16.4.1 ALL DUCTWORK DESIGNATED TO RECEIVE DUCT LINER SHALL BE COMPLETELY COVERED WITH LINER. TRAVERSE JOINTS SHALL BE NEATLY BUTTED AND THERE SHALL BE NO INTERRUPTIONS OR GAPS.

16.4.2 DUCT LINER SHALL BE CUT AS REQUIRED TO ENSURE OVERLAPPED AND COMPRESSED LONGITUDINAL CORNER JOINTS.

16.4.3 FASTENERS SHALL START WITHIN 3" OF THE UPSTREAM TRAVERSE EDGES OF THE LINER AND 3" FROM THE LONGITUDINAL JOINTS AND SHALL BE SPACED AT A MAXIMUM OF 12" O.C. AROUND THE PERIMETER OF THE DUCT. ELSEWHERE THEY SHALL BE SPACED AT A MAXIMUM OF 18" O.C., EXCEPT THAT THEY SHALL BE PLACED NOT MORE THAN 6" FROM A LONGITUDINAL JOINT OF THE LINER OR 12" FROM A CORNER BREAK.

16.5 ROOF WORK

16.5.1 INSTALL ROOF MOUNTED EQUIPMENT SUPPORT RAILS OR ROOF CURBS AS REQUIRED FOR THE JOB CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION OF ROOF MOUNTED EQUIPMENT. THE EXACT LOCATION OF ALL ROOF MOUNTED EQUIPMENT IS SUBJECT TO THE APPROVAL OF AAP. COORDINATE THE ENTIRE INSTALLATION WITH THE AAP REPRESENTATIVE.

16.5.2 ALL ROOF PENETRATIONS SHALL BE INSTALLED PER AAP REQUIREMENTS AND THE ROOFING MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL ROOF PENETRATION AND SEALING REQUIREMENTS PRIOR TO BID.

16.5.3 THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLYWOOD WORK PLATFORM THAT COMPLETELY SURROUNDS THE AREA WHERE NEW ROOF MOUNTED EQUIPMENT AND/OR DUCTS ARE TO BE INSTALLED. THE ENTIRE WORK AREA SHALL REMAIN ON THE ROOF DURING THE ENTIRE PERIOD OF INSTALLATION AND SHALL BE REMOVED FROM THE ROOF AND THE SITE BY THIS CONTRACTOR UPON COMPLETION OF THE INSTALLATION.

16.5.4 ALL ROOF PENETRATIONS FOR POWER AND CONTROL/EMS WIRING CONDUITS AND CONDENSATE PIPING SHALL BE MADE INSIDE THE CONFINES OF THE ROOF CURB.

16.6 NATURAL GAS PIPING (WHEN USED)

16.6.1 INSTALL ALL GAS PIPING IN ACCORDANCE WITH ALL APPLICABLE CODES. PIPE SEALANT SHALL BE APPLIED TO THE MALE THREADS ONLY AND SHALL BE CHEMICALLY RESISTANT TO NATURAL GAS.

16.6.2 CONTRACTOR SHALL REMOVE CUTTING AND THREADING BURRS AND SHALL ENSURE THAT THE ENTIRE PIPE IS FREE OF DEBRIS AND BLOCKAGES PRIOR TO PIPING ASSEMBLY.

16.6.3 CONTRACTOR SHALL PLUG EACH GAS OUTLET, INCLUDING VALVES, WITH A THREADED PLUG OR CAP IMMEDIATELY UPON INSTALLATION. CAP OR PLUG SHALL REMAIN IN PLACE UNTIL CONTINUING PIPING OR CONNECTIONS ARE MADE TO VALVE(S) OR EQUIPMENT.

16.6.4 THE GAS PIPING SYSTEM SHALL BE GROUNDED ELECTRICALLY AND CONTINUOUSLY. BOND PIPING TIGHTLY TO GROUNDING CONNECTORS. GROUNDING OF PIPING SHALL BE PER THE LANDLORD'S REQUIREMENTS AND IN COMPLIANCE WITH ALL APPLICABLE CODES.

16.6.5 PROVIDE A FULL SIZE DIRT LEG, GAS COCK AND UNION IN THE SUPPLY PIPING AT ALL CONNECTIONS TO GAS FIRED EQUIPMENT AND AS INDICATED ON THE DRAWINGS.

16.6.6 ROOF MOUNTED GAS PIPING SHALL BE SUPPORTED ON MIRO INDUSTRIES, INC. PILLOW BLOCK PIPE STANDS, MODEL 3-R WITH GALVANIZED STRAP ANCHOR AND ISOLATION PAD BELOW THE PIPE STAND(S). INSTALL PIPE STANDS PER THE MANUFACTURER'S RECOMMENDATIONS.

16.6.7 GAS PIPING SHALL BE SUPPORTED AT ALL VALVES, FITTINGS, CHANGES IN DIRECTION AND AT 10' O.C. AND SHALL NOT DEFLECT WHEN VALVES ARE OPENED AND CLOSED.

16.6.8 SLOPE GAS PIPING AT 1/8" PER FT. UPWARD IN THE DIRECTION OF FLOW. INSTALL A FULL SIZE DIRT LEG AT EACH LOW POINT IN THE SYSTEM.

16.6.9 CONTRACTOR SHALL INSPECT, TEST AND PURGE THE GAS PIPING SYSTEM IN ACCORDANCE WITH NFPA 54 AND LOCAL UTILITY REQUIREMENTS PRIOR TO CONNECTION TO THE GAS METER.

17. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED TEST & BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEM(S) TO THE DESIGN AIR QUANTITIES. THE BALANCING CONTRACTOR SHALL PROVIDE AAP WITH A COPY OF THE CERTIFIED TEST & BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT. DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10%.

18. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY AAP. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AS SPECIFIED HEREIN.

18.1 DEFECTS IN EQUIPMENT AND/OR MATERIALS

18.1.1 FOR EQUIPMENT AND/OR MATERIALS PURCHASED OR PROVIDED UNDER A NATIONAL ACCOUNT AGREEMENT, THE CONTRACTOR SHALL COORDINATE REPLACEMENT AND/OR REPAIR, AND ANY ASSOCIATED COSTS, FEES, OR CHARGES WITH THE APPROPRIATE NATIONAL ACCOUNT REPRESENTATIVE. REFER TO SHEET T1 OF THE DRAWINGS FOR ACCOUNT REPRESENTATIVE CONTACT DATA.

18.1.2 FOR EQUIPMENT AND/OR MATERIALS NOT PURCHASED OR PROVIDED UNDER A NATIONAL ACCOUNT, THE CONTRACTOR SHALL PROVIDE REPLACEMENT AND/OR REPAIR AND ANY ASSOCIATED COSTS, FEES, OR CHARGES. AT NO ADDITIONAL COST TO AAP.

18.2 FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

19. PROVIDE SEISMIC BRACING FOR ALL EQUIPMENT AND PIPING PER THE APPLICABLE SEISMIC ZONE.

20. PROVIDE LISTED FIRESTOPPING AT ALL PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS, ETC.

21. ENERGY MANAGEMENT SYSTEM

21.1 AAP VENDOR BRAINBOX AI SHALL COMPLETE ALL WORK FOR THE EMS IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES GOVERNING WORK TO BE PERFORMED.

21.2 MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL REQUIRED INTERFACE DEVICES TO PROVIDE FOR A 24 VAC CONVENTIONAL THERMOSTAT WIRING INTERFACE FOR EACH RTU

21.3 MECHANICAL CONTRACTOR SHALL ORDER HONEYWELL THERMOSTATS. NO SUBSTITUTIONS ALLOWED. MECHANICAL CONTRACTOR WILL INSTALL THERMOSTATS AND ALL 18/8 WIRING FOR EACH RTU.

PLUMBING SPECIFICATIONS

NOTE! MANUFACTURERS' NAMES ON WHICH THIS SPECIFICATION IS BASED INDICATE THE MINIMUM QUALITY OF PRODUCT REQUIRED. SUBSTITUTION MAY BE MADE TO THOSE SPECIFIED IF DEEMED EQUIVALENT BY ADVANCE AUTO PARTS (AAP). ALL WORK AND PRODUCTS SHALL MEET THE REQUIREMENTS OF AAP.

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES AND ADVANCE AUTO PARTS' (AAP) MINIMUM REQUIREMENTS AS STATED HEREIN OR OTHERWISE INDICATED BY AAP.

2. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.

3. ALL WORK SHALL BE PERFORMED AS INDICATED ON DRAWINGS UNLESS FIELD CONDITIONS REQUIRE MINOR CHANGES BE MADE. MINOR CHANGES SHALL BE MADE WITH NO ADDITIONAL COST.

4. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY AAP.

5. ACTUAL LOCATIONS OF UTILITY SERVICES MUST BE FIELD VERIFIED. CHANGES TO CONFORM TO ACTUAL POINTS OF CONNECTION SHALL BE MADE AT NO ADDITIONAL COST.

6. EQUIPMENT, FIXTURES, AND ACCESSORIES SHALL NOT BE SUPPORTED FROM CEILINGS, SOFFITS, NEUTRAL PIERS, PIPING, DUCTWORK, ROOF DECK, LATERAL BRACING, BRIDGING OR CONDUIT. ITEMS SHALL ONLY BE SUPPORTED FROM STRUCTURE WHICH HAS BEEN APPROVED FOR SUPPORT.

7. ALL ROOF WORK PENETRATIONS AND REPAIRS SHALL BE TOTALLY PERFORMED BY ONLY THOSE ROOFING CONTRACTORS APPROVED BY AAP. THIS CONTRACTOR SHALL ONLY EMPLOY ROOFING CONTRACTORS APPROVED BY AAP FOR ALL REQUIRED ROOF WORK.

8. DEFICIENCIES AND NON-CONFORMING ITEMS SHALL BE CORRECTED BY THE CONTRACTOR. FAILURE TO CORRECT SUCH ITEMS SHALL PERMIT AAP TO CORRECT SAME AT A COST TO THE CONTRACTOR.

9. INSTALLATIONS OF EQUIPMENT, i.e. FLOOR DRAINS, WATER HEATERS, ETC., SHALL CONFORM TO THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. HE SHALL INCLUDE IN HIS BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.

11. THE CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO AAP. THE AS-BUILT DRAWINGS SHALL INDICATE THE ACTUAL MANUFACTURER OF THE EQUIPMENT THAT WAS INSTALLED, THE EXACT LOCATION OF THE EQUIPMENT AND PERTINENT CAPACITIES.

12. SCOPE OF WORK:

12.1 THE WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, SUPPLIES, EQUIPMENT AND FEES REQUIRED TO COMPLETELY INSTALL, TEST AND PLACE INTO SERVICE THE HEREIN SPECIFIED EQUIPMENT, COMPONENTS, CONTROLS AND SYSTEMS.

12.1.1 SOIL, WASTE AND VENT SYSTEM.

12.1.2 DOMESTIC WATER SYSTEM.

12.1.3 DOMESTIC WATER HEATER.

12.1.4 PLUMBING FIXTURES AND TRIM.

12.1.5 MISCELLANEOUS STEEL WORK, FLOOR AND WALL SLEEVES, SLOTS AND INSERTS, PLATES, SUPPORTS AND HANGERS.

12.1.6 ALL OTHER PLUMBING ITEMS INDICATED ON THE PLANS, SPECIFIED HEREIN, OR NEEDED FOR A COMPLETE AND FUNCTIONAL PLUMBING INSTALLATION IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.

12.1.7 CLEANING AND TESTING OF ALL SYSTEMS.

12.1.8 WARRANTY OF ALL WORK FOR A PERIOD OF ONE YEAR.

13. MATERIALS:

13.1 SANITARY DRAIN, WASTE, AND VENT PIPING SHALL BE:

13.1.1 UNDERFLOOR - SERVICE WEIGHT CAST IRON HUB AND SPIGOT SOIL PIPE AND FITTINGS COATED INSIDE AND OUT PER FEDERAL SPECIFICATION WW-P-401. JOINTS SHALL BE MADE WITH DOUBLE SEAL COMPRESSION-TYPE GASKETS EQUAL TO TY-SEAL.

13.1.2 ABOVE FLOOR - HUBLESS CAST IRON PIPE AND FITTINGS COATED INSIDE AND OUT, CIPI-301. JOINTS SHALL BE STAINLESS STEEL SHIELD AND CLAMP WITH NEOPRENE SEALING SLEEVE.

13.1.3 AT THE CONTRACTOR'S OPTION, WITH THE PERMISSION OF AAP, AND IF IN COMPLIANCE WITH GOVERNING CODE, SANITARY DRAIN, WASTE, AND VENT PIPING BOTH ABOVE AND BELOW THE FLOOR MAY BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS.

13.2 DOMESTIC WATER PIPING SHALL BE (VERIFY WITH ALL CODES):

13.2.1 HIGH-DENSITY CROSS-LINKED POLYETHYLENE TUBING (PEX). DISTRIBUTION SYSTEM SHALL CONFORM TO: ASTM F876, ASTM F877, CSA B 137.5, NSF 61 AND ASTM E84. TUBING SHALL HAVE A STANDARD DIMENSIONAL RATION DESIGNATION (SDR9), WITH 100PSI AT 180 DEG F / 160 PSI AT 73 DEG F PRESSURE/TEMPERATURE RATING. TUBING SHALL HAVE PEX5006 CHLORINE RESISTANCE. TUBING SHALL HAVE A 60 DAY MINIMUM UV RATING.

13.2.2 FITTINGS FOR PEX TUBING SHALL CONFORM TO ASTM F 1807 (OR ASTM F 2159) AND ASTM F877 LEAD-FREE INSERT TYPE WITH COPPER CRIMP RINGS, OR METAL-INSERT TYPE WITH ATTACHED 304 STAINLESS STEEL PRESS SLEEVE, OR PLASTIC-INSERT TYPE WITH ATTACHED 304 STAINLESS STEEL PRESS SLEEVE.

13.2.3 MULTIPLE-OUTLET OR HOMERUN STYLE MANIFOLDS SHALL CONFORM TO ASTM 877, CSA 137.5, SHALL BE COPPER ASSEMBLY WITH BRASS VALVES FOR EACH OUTLET.

13.2.4 ALL TUBING, FITTINGS, MANIFOLDS AND ACCESSORIES SHALL BE BY THE SAME MANUFACTURER. ALL TUBING, FITTINGS, MANIFOLDS AND ACCESSORIES SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS.

13.3 DOMESTIC WATER VALVES SHALL BE:

13.3.1 QUARTER-TURN BRASS BALL VALVE WITH TWO-PIECE BODY, STANDARD PORT, STAINLESS STEEL TRIM, TFE SEATS AND BLOWOUT-PROOF STEM. VALVE SHALL BE RATED FOR 400 PSI/28 BAR NON-SHOCK COLD WORKING PRESSURE. VALVE BALL AND STEM SHALL BE STAINLESS STEEL ASTM A276, TYPE 316. VALVE BODY SHALL BE BRASS ASTM B124 ALLOY C37700 OR BRONZE ASTM B584 ALLOY C8440. ACCEPTABLE MANUFACTURERS FOR BASE BID SHALL INCLUDE NIBCO, WATTS, AND APOLLO.

13.4 PIPING INSULATION AND INSULATION SCRIM.

13.4.1 INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING ABOVE GRADE.

13.4.2 INSULATED PIPING SHALL BE COVERED WITH 1" THICK FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER AND ALL SERVICE JACKET.

13.4.3 FIBERGLASS INSULATION SHALL HAVE 4.0 LB. DENSITY AND 0.25 K-FACTOR.

13.4.4 INSULATED PIPING SHALL HAVE AN ALL SERVICE JACKET EQUAL TO OWENS-CORNING FIBERGLAS ASJ-25 WITH SELF SEALING LAP AND JOINT SEALING STRIPS.

13.4.5 AT THE CONTRACTOR'S OPTION AND WITH THE PERMISSION OF AAP, THE CONTRACTOR MAY PROVIDE PREFORMED PIPE INSULATION OF CLOSED-CELL ELASOMERIC FOAM.

13.4.6 PIPING INSULATION COLORS (INCLUDING INTERIOR ROOF LEADERS, WHEN REQ'D) SHOULD BE WHITE TO THE BOTTOM CHORD OF THE JOISTS, AND BLACK ABOVE THE BOTTOM CHORD.

13.5 DRAINAGE ACCESSORIES:

13.5.1 PROVIDE DEEP SEAL P-TRAP AT THE OUTLET OF EACH FLOOR DRAIN. INSTALL TOP OF FLOOR DRAIN 1/16" BELOW THE FINISHED FLOOR ELEVATION.

13.5.2 INTERIOR FLOOR CLEANOUTS SHALL BE EQUAL TO WADE 6000 SERIES CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, FLANGED FERRULE WITH TAPERED BRASS PLUG AND TY-SEAL OUTLET. FLOOR CLEANOUTS SHALL BE PROVIDED WITH ROUND SECURED NICKEL BRONZE TOP.

13.5.3 WALL CLEANOUTS SHALL BE EQUAL TO WADE 8550E CAST IRON CLEANOUT FERRULE WITH SPIGOT OUTLET AND THREADED BRASS COUNTERSUNK PLUG DRILLED AND TAPPED FOR A 1/4-20 SCREW. PROVIDE CLEANOUT COMPLETE WITH ROUND STAINLESS STEEL ACCESS COVER WITH CENTER SCREW.

13.5.4 EXTERIOR CLEANOUTS IN PAVED AREAS SHALL BE EQUAL TO JOSAM 58850-5-22 CAST IRON CLEANOUT FOR HEAVY TRAFFIC AREAS, WITH CAST IRON ACCESS FRAME, DUCTILE IRON COVER, CAST IRON FERRULE, AND TAPER THREAD BRONZE PLUG. INSTALL CLEANOUT IN AN 18" x 18" x 6" THICK CONCRETE PAD (24" x 18" x 6" THICK FOR TWO-WAY CLEANOUT) FLUSH WITH FINAL GRADE AND THICKENED AT THE CENTER TO ENCASE THE PIPE JOINT.

13.6 WATER HAMMER ARRESTERS:

13.6.1 WATERHAMMER ARRESTERS SHALL BE PROVIDED ON HOT AND COLD WATER LINES, AT INDIVIDUAL FIXTURES AND AT OTHER SUCH LOCATIONS TO BRING THE WATER PIPING SYSTEM INTO CONFORMANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH201. ACCEPTABLE MANUFACTURERS SHALL INCLUDE SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WADE, JOSAM, AND J.R. SMITH.

13.7 WATER HEATER SHALL BE AS SCHEDULED ON THE DRAWINGS.

13.8 PLUMBING FIXTURES SHALL BE AS SCHEDULED ON THE DRAWINGS.

14. EXECUTION

14.1 PIPING INSTALLATION

14.1.1 EXCEPT AS OTHERWISE INDICATED, PROVIDE FACTORY FABRICATED HANGERS AND SUPPORTS COMPLYING WITH MSS SP-58, HANGERS AND SUPPORTS SELECTED BY THE INSTALLER TO SUIT FIELD CONDITIONS IN ACCORDANCE WITH MSS SP-69 AND TO MANUFACTURER'S PUBLISHED PRODUCT INFORMATION. USE ONLY ONE TYPE, BY ONE MANUFACTURER FOR EACH SERVICE. SELECT SIZE OF HANGERS AND SUPPORTS TO EXACTLY FIT THE PIPE SIZE FOR BARE PIPING AND TO EXACTLY FIT AROUND PIPING WITH INSULATION PROVIDING A SADDLE OR SHIELD FOR THE INSULATED PIPE. PROVIDE ONLY COPPER PLATED HANGERS AND SUPPORTS FOR COPPER PIPING SYSTEMS.

14.1.2 PIPING SHALL BE SUPPORTED SECURELY FROM HANGERS PER THE FOLLOWING:

14.1.2.1 PIPE HANGERS TO BE SUPPORTED FROM STRUCTURAL STEEL BEAMS AND JOISTS BY MEANS OF BEAM CLAMPS. HANGERS ARE NOT TO BE SUPPORTED FROM STEEL ROOF DECKING.

14.1.2.2 WHERE REQUIRED THE CONTRACTOR SHALL PROIDE AUXILIARY STEEL FRAMING AS REQUIRED TO SUPPORT PIPE HANGERS.

14.1.3 DRAIN, WASTE AND VENT PIPING:

14.1.3.1 CAST IRON PIPE MUST HAVE HANGERS THAT ARE 10'-0" ON CENTER MAXIMUM, WITH A MINIMUM OF ONE HANGER FOR EACH SECTION OF PIPE AND AT ALL CHANGES IN DIRECTION.

14.1.3.2 PVC PIPE SHALL BE SUPPORTED FROM THE STRUCTURE PER THE GOVERNING CODE, WITH A MINIMUM OF ONE HANGER FOR EACH SECTION OF PIPE AND AT ALL CHANGES IN DIRECTION.

14.1.3.3 EACH RISER OR STACK SHALL BE SUPPORTED AT THE BASE, TOP AND AT 10' MAXIMUM INTERVALS.

14.1.3.4 ALL HORIZONTAL DRAINAGE AND VENT PIPING SHALL BE SLOPED AT 1/8" PER LINEAR FOOT (MINIMUM) OR IN COMPLIANCE WITH GOVERNING CODES. SOIL AND WASTE PIPING SHALL SLOPE IN THE DIRECTION OF FLOW AND VENT PIPING SHALL SLOPE AWAY FROM THE STACK.

14.1.3.5 CHANGES IN DIRECTION OR SIZE OF DRAINAGE PIPING SHALL BE MADE WITH APPROPRIATE DRAINAGE PATTERN FITTINGS.

14.1.3.6 SLIP JOINT FITTINGS EQUAL TO TY-SEAL WILL BE PERMITTED ONLY ON TRAP CONNECTIONS.

14.1.4 DOMESTIC WATER PIPING:

14.1.4.1 WATER PIPING SHALL BE SUPPORTED FROM THE STRUCTURE PER THE GOVERNING CODE, WITH A MINIMUM OF ONE HANGER FOR EACH SECTION OF PIPE AND AT ALL CHANGES IN DIRECTION.

14.1.4.2 WATER PIPING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO THE LINES OF THE BUILDING.

14.1.4.3 PROVIDE FITTINGS AT EACH CHANGE IN DIRECTION OR CHANGE IN PIPE SIZE.

14.1.4.4 PROPER ALLOWANCE SHALL BE MADE FOR EXPANSION AND ALL PIPING SHALL BE BLOCKED AS REQUIRED TO PREVENT NOISE OR VIBRATION.

14.1.4.5 PROVIDE A SHUT OFF VALVE AT EACH WATER CONNECTION TO EACH FIXTURE.

14.1.5 ALL DRAINS SHALL BE PROVIDED WITH A DEEP SEAL P-TRAP.

14.1.6 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO PERFORM HIS WORK. CUTTING AND PATCHING SHALL CONFORM TO THE RELEVANT "GENERAL CONDITIONS" SPECIFICATIONS.

14.1.7 ALL FLOOR AND FOUNDATION WALL PENETRATIONS SHALL BE CORE DRILLED AND PROVIDED WITH A WATERPROOF SLEEVE.

14.1.8 PROVIDE CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREWS, DEEP TYPE, TO COVER PIPE SLEEVE OR FITTING PROJECTIONS AT ALL FLOOR, WALL AND CEILING PENETRATIONS.

14.1.9 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND BACKFILL OF TRENCHES AND ANY CONCRETE SLAB REPLACEMENT REQUIRED TO INSTALL BELOW GRADE OR UNDERFLOOR PIPING.

14.1.10THE ROOF PENETRATION FOR VENT PIPING SHALL BE CUT AND FLASHED IN STRICT ACCORDANCE WITH THE ROOFING MANUFACTURER'S REQUIREMENTS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE MANUFACTURER'S REQUIREMENTS. FLASH VENT PIPING PASSING THROUGH THE ROOF WITH #4 SHEET LEAD FLASHING EXTENDING NOT LESS THAN 12" ON EACH SIDE OF THE VENT. THE VERTICAL PORTION OF THE FLASHING SHALL EXTEND UP THE ENTIRE LENGTH OF THE VENT AND AND SHALL BE TURNED DOWN INSIDE THE PIPE.

14.1.11MINIMUM VENT THROUGH THE ROOF SHALL BE 3" SIZE.

14.2 WATER METER INSTALLATION

14.2.1 THIS CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL WATER UTILITY COMPANY FOR THE INSTALLATION OF THE REQUIRED WATER METER. THIS INCLUDES THE PURCHASE OF THE METER AND THE INSTALLATION IN THE LOCATION SHOWN ON THE PLAN OR AS REQUIRED BY THE LOCAL WATER AUTHORITY.

14.2.2 THIS CONTRACTOR SHALL EXTEND DOMESTIC WATER PIPING FROM THE METER LOCATION TO THE BUILDING. ROUTING OF WATER PIPING TO THE BUILDING IS SUBJECT TO THE APPROVAL OF AAP.

14.2.3 THIS CONTRACTOR SHALL PAY ALL FEES REQUIRED FOR THE INSTALLATION OF THE WATER SERVICE AND METER.

15. TESTING

15.1 THIS CONTRACTOR SHALL TEST ALL SYSTEMS INSTALLED UNDER HIS CONTRACT. ALL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES.

15.1.1 DOMESTIC WATER PIPING SHALL BE TESTED AT 100 PSI. THE PRESSURE SHALL BE MAINTAINED FOR A PERIOD OF ONE HOUR. IF LEAKS APPEAR THE PIPING SHALL BE DRAINED, REPAIRED AND RE-TESTED UNTIL LEAK-FREE.

15.1.2 SOIL, WASTE AND VENT PIPING SHALL BE TESTED WITH WATER. THE WATER SHALL MAINTAIN A CONSTANT LEVEL AT THE HIGHEST POINT OF THE SYSTEM (OR AT LEAST 10 FT. ABOVE THE MEAN ELEVATION OF THE PIPING UNDER TEST, WHICHEVER IS HIGHER) FOR AT LEAST 4 HOURS. IF LEAKS APPEAR, THE PIPING SHALL BE DRAINED, REPAIRED AND RE-TESTED UNTIL LEAK-FREE.

16. DOMESTIC WATER SYSTEMS SHALL BE CHLORINATED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN AWWA C601-08. CHLORINE SHALL BE ADDED TO THE SYSTEM AT A RATE SUFFICIENT TO PRODUCE A CHLORINE CONCENTRATION OF 50 MG/L AVAILABLE CHLORINE AND HELD IN THE SYSTEM FOR A 24 HOUR RETENTION PERIOD. AFTER CHLORINATION THE SYSTEM SHALL BE DRAINED AND PUT INTO SERVICE.

17. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY AAP. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AS SPECIFIED HEREIN.

17.1 DEFECTS IN EQUIPMENT AND/OR MATERIALS

17.1.1 FOR EQUIPMENT AND/OR MATERIALS PURCHASED OR PROVIDED UNDER A NATIONAL ACCOUNT AGREEMENT, THE CONTRACTOR SHALL COORDINATE REPLACEMENT AND/OR REPAIR, AND ANY ASSOCIATED COSTS, FEES, OR CHARGES WITH THE APPROPRIATE NATIONAL ACCOUNT REPRESENTATIVE. REFER TO SHEET T1 OF THE DRAWINGS FOR ACCOUNT REPRESENTATIVE CONTACT DATA.

17.1.2 FOR EQUIPMENT AND/OR MATERIALS NOT PURCHASED OR PROVIDED UNDER A NATIONAL ACCOUNT, THE CONTRACTOR SHALL PROVIDE REPLACEMENT AND/OR REPAIR AND ANY ASSOCIATED COSTS, FEES, OR CHARGES. AT NO ADDITIONAL COST TO AAP.

17.2 FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

18. PROVIDE SEISMIC BRACING FOR ALL EQUIPMENT AND PIPING PER THE APPLICABLE SEISMIC ZONE REQUIREMENTS.

19. PROVIDE LISTED FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, PARTITIONS, ETC.

GENERAL NOTE:
G.C. TO REMOVE ALL SHIPPING BOLTS FROM UNITS.

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2454 E. Dempster St. Suite 202
Des Plaines, IL 60016
P (847)298-1525 | F (847)390-8130
www.camburasandtheodore.com

STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REV	DATE	DESCRIPTION

REVISIONS

DATE: 08-13-26
GROSS SQ. FT.: 40,278 S.F.
PROJECT #: 26-0717764
DRAWN BY: MM
CHECK BY: AW

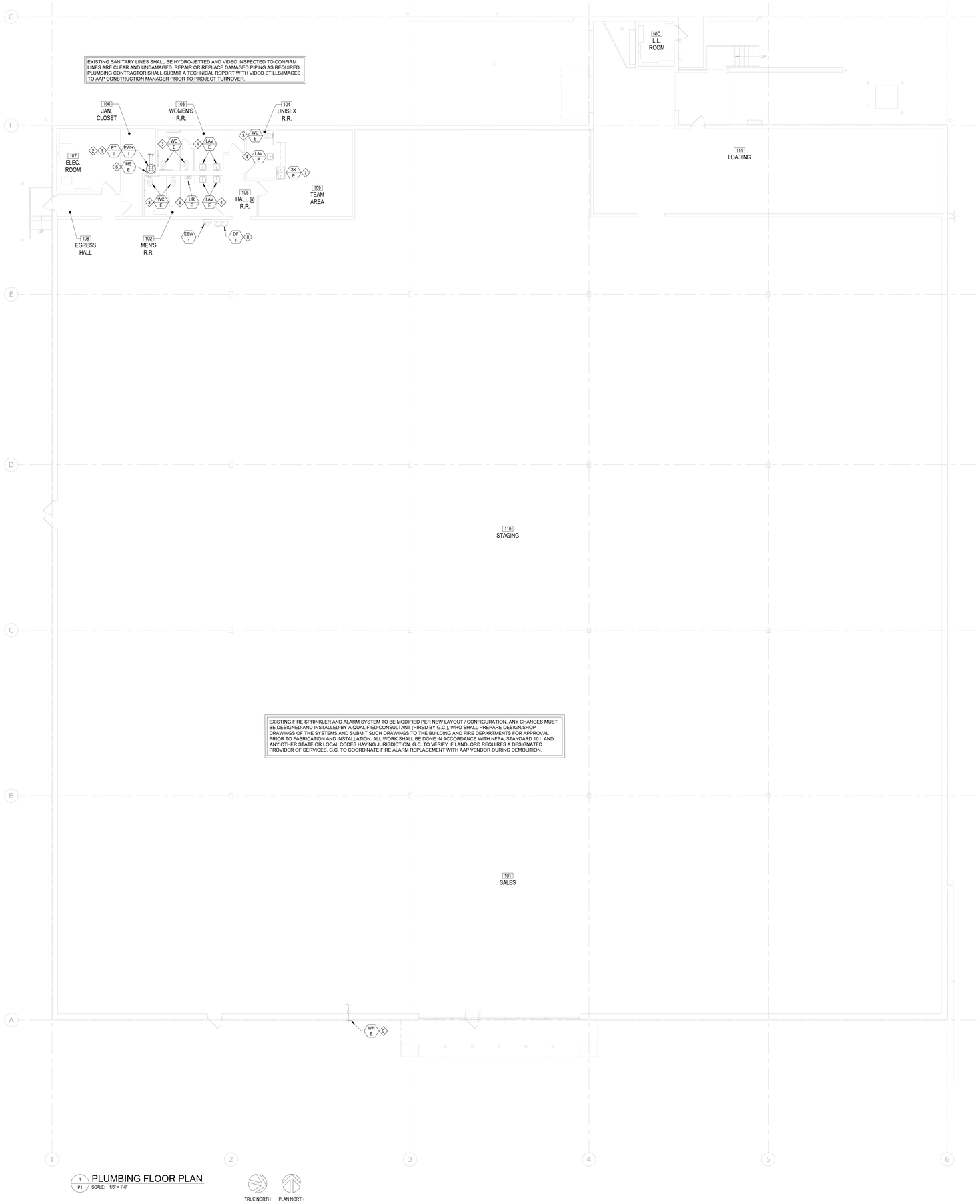
THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPLETION OF THIS PROJECT-WHEN PHASED-WITHOUT THE WRITTEN CONSENT OF C + T, LTD. Copyright © 2026

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION
Q1-26

HVAC / PLBG. SPECIFICATIONS

MP1



1 P1 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH PLAN NORTH

PLUMBING GENERAL NOTES:

1. PRIOR TO SUBMITTING A BID, THIS CONTRACTOR AND HIS SUBCONTRACTORS SHALL VISIT THE JOB SITE AND FULLY ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS OF THE PROJECT. THIS CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEW OF GENERAL NOTES, SPECIFICATIONS AND ALL OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ADVANCE AUTO PARTS (AAP) OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. THE INSTALLATION SHALL COMPLY WITH, AND BE INSTALLED IN ACCORDANCE WITH ALL LEGALLY CONSTITUTED AUTHORITIES AND CODES HAVING JURISDICTION.
3. DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
4. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES AT THE POINTS OF CONNECTION OF NEW SERVICES BEFORE THE START OF CONSTRUCTION. COORDINATE ALL PIPING WITH BUILDING FOOTINGS, STRUCTURE, FOUNDATIONS, UNDERGROUND UTILITIES BY OTHER TRADES, ETC.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHT OF PLUMBING FIXTURES. PLUMBING FIXTURE LOCATION DIMENSIONS INDICATED ON THE ARCHITECTURAL PLANS OR AS REQUIRED TO COMPLY WITH APPLICABLE ACCESSIBILITY STANDARDS SHALL BE HELD. VERIFY ALL INSTALLATION DIMENSIONS PRIOR TO PIPING OR FIXTURE ROUGH-IN.
6. PROVIDE SHUT OFF VALVES AT ALL PLUMBING FIXTURE WATER SUPPLY CONNECTIONS. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED AND SHALL BE QUARTER-TURN BALL VALVES (NO EXCEPTIONS). REFER TO THE SPECIFICATIONS FOR CLARIFICATION.
7. UNLESS OTHERWISE NOTED, ALL PIPING IN FINISHED AREAS SHALL BE RUN CONCEALED. EXPOSED PIPING, WHERE NECESSARY, SHALL BE RUN AS HIGH AS POSSIBLE AND TIGHT TO WALLS. DO NOT INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS.
8. INSULATE HOT AND COLD WATER PIPING PER THE PLUMBING SPECIFICATIONS ON SHEET MP1. PROVIDE PIPE AND VALVE COVERINGS EQUAL TO TRUEBRO "LAV GUARD" ON ALL EXPOSED PIPING UNDER THE LAVATORIES AND WATER CLOSETS.
9. PROVIDE ACCESS PANELS WITH CHROME PLATED COVERS FOR ALL CONCEALED VALVES.
10. THE PLUMBING SYSTEM LAYOUT SHALL BE IN CAREFUL COORDINATION WITH THE DRAWINGS, DETERMINING PROPER ELEVATION FOR ALL COMPONENTS OF THE SYSTEM. THE GENERAL LAYOUT SHALL BE FOLLOWED AS SHOWN ON THE DRAWINGS IN ALL CASES, EXCEPT WHERE OTHER DISCIPLINES MAY INTERFERE.
11. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
12. UNLESS OTHERWISE NOTED, SANITARY SEWER PIPING 3" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT AND SANITARY SEWER PIPING 4" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT IN THE DIRECTION OF FLOW.
13. PROVIDE TRAP PRIMER VALVES WHERE REQUIRED BY LOCAL BUILDING CODES. PROVIDE 1/2" COPPER TRAP PRIMER PIPING WITH NO JOINTS UNDER THE FLOOR SLAB TO CONNECT TO THE FLOOR DRAIN P-TRAP. PROVIDE ONE SUPPLY PIPE PER FLOOR DRAIN ROUTED DIRECTLY FROM THE TRAP PRIMER VALVE OR ASSOCIATED DISTRIBUTION UNIT. SLOPE TRAP PRIMER SUPPLY PIPING BELOW THE FLOOR AT 1% MINIMUM IN THE DIRECTION OF FLOW. PROVIDE A 12" x 12" ACCESS PANEL IN THE TOILET ROOM WALL.
14. ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIVE AND CODE COMPLIANT.
16. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS, AND ASSOCIATED FEES.
17. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
18. PROVIDE FLOOR DRAINS NEAR ALL BACKFLOW VALVES IN PREMISES FOR RELIEF DRAINAGE. IF POSSIBLE LOCATE ASSEMBLY NEAR MOP BASIN, AND DISCHARGE INTO FIXTURE.

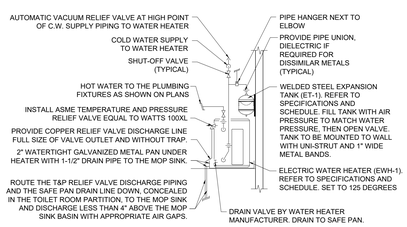
PLUMBING PLAN KEY NOTES:

1. EXISTING WATER HEATER TO BE REMOVED AND REPLACED WITH A NEW SCHEDULED WATER HEATER AT APPROXIMATELY THE SAME LOCATION. PROVIDE RECONNECTION TO EXISTING DOMESTIC WATER SUPPLY, HOT WATER DISTRIBUTION, AND RELIEF DRAIN PIPING. FIELD VERIFY AND MATCH EXISTING PIPE SIZES AND CONNECTION LOCATIONS.
2. PROVIDE A VACUUM RELIEF VALVE EQUAL TO WATTS MODEL LFN36 AT THE HIGH POINT OF THE WATER HEATER SUPPLY PIPING.
3. EXISTING WATER CLOSET AND ASSOCIATED PLUMBING TO REMAIN. PROVIDE NEW FLUSH VALVE PER NEW SCHEDULED FLUSH VALVE AND RECONNECT TO EXISTING WATER SUPPLY.
4. EXISTING LAVATORY AND ASSOCIATED PLUMBING TO REMAIN. PROVIDE NEW FAUCET PER NEW SCHEDULED FAUCET AND RECONNECT TO EXISTING WATER SUPPLY.
5. EXISTING URINAL AND ASSOCIATED PLUMBING TO REMAIN. PROVIDE NEW FLUSH VALVE PER NEW SCHEDULED VALVE AND RECONNECT TO EXISTING WATER SUPPLY.
6. EXISTING MOP SINK AND ASSOCIATED PLUMBING TO REMAIN. PROVIDE NEW FAUCET PER NEW SCHEDULED FAUCET AND RECONNECT TO EXISTING WATER SUPPLY.
7. EXISTING BREAK ROOM SINK AND ASSOCIATED PLUMBING TO REMAIN. PROVIDE NEW FAUCET PER NEW SCHEDULED FAUCET AND RECONNECT TO EXISTING WATER SUPPLY.
8. PROVIDE 1/2" COLD WATER PIPING DOWN IN THE WALL TO THE DRINKING FOUNTAIN. CONNECT TO THE NEAREST EXISTING COLD WATER LINE.
9. EXISTING WALL HYDRANT AND ASSOCIATED DOMESTIC COLD WATER PIPING TO REMAIN. CONTRACTOR TO FIELD VERIFY THE WALL HYDRANT IS FREEZE PROOF. IF NOT REMOVE EXISTING AND PROVIDE A NEW FREEZE PROOF WALL HYDRANT WITH SAME SIZE AT SAME LOCATION. CONTRACTOR TO PROVIDE CUTSHEET TO ENGINEER TO REVIEW BEFORE PURCHASE AND INSTALL ON FIELD FOR APPROVAL.

PLUMBING FIXTURE SCHEDULE

REFER TO THE RESPONSIBILITY MATRIX ON SHEET T1 FOR NATIONAL ACCOUNT CONTACT DATA. (NO SUBSTITUTIONS)

MARK	DESCRIPTION
WC E — FLUSH VALVE ONLY	EXISTING WATER CLOSET BOWL TO REMAIN AS INSTALLED. EXISTING FLUSH VALVE TO BE REPLACED WITH MODEL BELOW. ● AMERICAN STANDARD MODEL NO. 6047.161 MANUAL FLUSH VALVE. FIELD VERIFY LEFT OR RIGHT-HAND OPERATION, ROUGH-IN DIMENSIONS, AND EXISTING CONDITIONS. NOTIFY ARCHITECT IF ASSEMBLY DOES NOT FIT EXISTING CONDITIONS.
UR E — FLUSH VALVE ONLY	EXISTING URINAL TO REMAIN AS MOUNTED. EXISTING FLUSH VALVE TO BE REPLACED WITH MODEL BELOW. ● AMERICAN STANDARD - MODEL 6045.051 MANUAL FLUSH VALVE. FIELD VERIFY LEFT OR RIGHT HANDED. FIELD VERIFY ROUGH IN DIMENSIONS AND INFORM ARCHITECT IF ASSEMBLY DOES NOT FIT EXISTING CONDITIONS.
LAV E — FAUCET ONLY	EXISTING LAVATORY TO REMAIN AS MOUNTED. EXISTING FAUCET TO BE REPLACED WITH MODEL BELOW. ● FAUCET ASSEMBLY - MAINLINE - MODEL NO. 211-CP - CENTERSET, ONE PIECE BODY WITH POLISHED CHROME FINISH, AERATOR WITH 2.2 GPM FLOW RESTRICTOR, SINGLE LEVER HANDLE AND LIFT-ON/PUSH-OFF ACTION.
MS E — FAUCET ONLY	EXISTING MOP SINK TO REMAIN AS INSTALLED. EXISTING FAUCET TO BE REPLACED WITH MODEL BELOW. ● FAUCET ASSEMBLY - FIAT - MODEL 830-AA - CHROME PLATED WITH VACUUM BREAKER, 3/4" HOSE OUTLET, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND FOUR ARM HANDLES. ● ACCESSORIES - FIAT MODEL 832-AA HOSE AND HOSE BRACKET FIAT MODEL 889-CC MOP HANGER BRACKET FIAT MODEL E-77-AA VINYL RIM BUMPER GUARD
SK E — FAUCET ONLY	EXISTING BREAK ROOM SINK TO REMAIN AS INSTALLED. EXISTING FAUCET TO BE REPLACED WITH MODEL BELOW. ● FAUCET ASSEMBLY - KOHLER - TRITON BOWE - MODEL K-400770-4AKA-CP
EEW 1	BRADLEY - MODEL S19-921 - PORTABLE SELF-CONTAINED EMERGENCY EYE WASH STATION, FIFTEEN (15) MINUTE FLUSH TIME AT 0.4 GPM (MIN). SEVEN (7) GALLON TRANSPARENT YELLOW POLYCARBONATE TANK, IMPACT-RESISTANT AND CHEMICAL-RESISTANT YELLOW POLYPROPOLENE PEDESTAL. PROVIDE WITH MODEL S19-399 ON-SITE WASTE CART, 56 GALLON CAPACITY, CASTER WHEELS W/ LOCK BRAKES, DRAINAGE PETCOCK. PROVIDE ALL NECESSARY FITTINGS, TUBES, ETC FOR A COMPLETE ASSEMBLY. G.C. RESPONSIBLE FOR INITIAL SET-UP PER MANUFACTURERS RECOMMENDATIONS AND TO SUPPLY ONE (1) YEAR OF SOLUTION.
EWH 1	BRADFORD WHITE - MODEL LE-120L3-3 - ELECTRIC WATER HEATER WITH 19 GALLON CAPACITY, GLASS-LINED TANK WITH 150 PSI WORKING PRESSURE, 8 KW ZINC PLATED COPPER SHEATH IMMERSION TYPE ELEMENT, FACTORY INSTALLED DRAIN VALVE AND FACTORY INSTALLED ANODE ROD, OPERATING AT 480V, THREE PHASE. PROVIDE FIELD INSTALLED WATTS MODEL 100XL TEMPERATURE / PRESSURE RELIEF VALVE PIPED TO DISCHARGE AS NOTED ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES. SET WATER HEATER TEMPERATURE CONTROL AT 125 DEG. F.
ET 1	AMTROL - MODEL THERM-X-TROL ST-5 THERMAL EXPANSION TANK WITH FACTORY PRE-CHARGE, POLY-PROPYLENE LINER, 150 PSI MAX. WORKING PRESSURE, 200 DEG. F MAX. TEMPERATURE RATING, 2 GAL. TANK VOLUME, 0.9 GAL. MAX. ACCEPTANCE VOLUME AND 3/4" NPTM CONNECTION. INSTALL PER MFR'S. RECOMMENDATIONS. ADJUST PRE-CHARGE TO SYSTEM FILL PRESSURE.
TMV 1	WATTS - MODEL MMV-M1 - HOT WATER TEMPERATURE CONTROL VALVE WITH BRONZE BODY CONSTRUCTION, SOLID WAX HYDRAULIC PRINCIPLE THERMOSTAT THAT CONTROLS BOTH HOT AND COLD WATER, INTEGRAL FILTER WASHERS AND CHECK VALVES, AND ADJUSTMENT CAP WITH LOCKING FEATURE. INSTALL INSIDE THE WALL WITH A 12"x12" ACCESS COVER. SET TO PROVIDE MAXIMUM 105 DEG. F HOT WATER TO THE LAVATORY FAUCETS. MIXING VALVE TO BE ASSE 1017 CERTIFIED.
FD 1	WADE - MODEL 1103,TY,G6,1 - CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, 1/2" PLUGGED PRIMER TAP AND ADJUSTABLE 6" x 6" NICKEL BRONZE STRAINER WITH VANDAL PROOF SCREWS.
DF 1	OASIS - MODEL PGACSL - WALL MOUNTED BI-LEVEL DRINKING FOUNTAIN WITH SELF-CLOSING FRONT AND SIDE PUSHBAR ACTUATORS, FLEXIBLE BUBBLER GUARD, EXTERNAL STREAM HEIGHT ADJUSTMENT, STAINLESS STEEL TOP, LEAD-FREE WATERWAY AND CANE APRON. INSTALL PER MFR'S. RECOMMENDATIONS AND IN ACCORDANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.



REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. VERIFY ALL CONNECTION SIZES AND LOCATIONS PER MANUFACTURERS REQUIREMENTS. ADJUST TO SUIT FIELD CONDITIONS. REFER TO PIPING DIAGRAMS FOR PIPE SIZES. PROVIDE SEISMIC STRAP OR BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. PROVIDE HEAT TRAPS.

2 P1 WATER HEATER DETAIL
SCALE: NONE

PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

A.F.F.	ABOVE FINISHED FLOOR
C.L.; ℄	CENTERLINE
COL.	COLUMN
CONTR.	CONTRACTOR
C.W.	COLD WATER
DEL.	DELIVERY
DF	DRINKING FOUNTAIN
DN.	DOWN
DOM.	DOMESTIC
ET	THERMAL EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FIN. FL.	FINISHED FLOOR
F.L.A.	FULL LOAD AMPS
HP	HORSE POWER
H.W.	HOT WATER
LAV	LAVATORY
MSB	MOP SINK BASIN
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
P.D.	PRESSURE DROP
RPZ	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
SAN.	SANITARY
T&P	TEMPERATURE AND PRESSURE
TP	TRAP PRIMER
TYP.	TYPICAL
UR	URINAL
V.T.R.	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTER

	COLD WATER PIPING
	HOT WATER PIPING
	SOIL/SEWER/WASTE PIPING
	VENT PIPING
	UNION
	STRAINER
	FLOOR PENETRATION
	BACKFLOW PREVENTER
	PIPE RISER
	PIPE DROP
	SHUT OFF VALVE
	CHECK VALVE
	POINT OF CONNECTION/ELEVATION/INVERT
XXX / X	EQUIPMENT TYPE / EQUIPMENT MARK — EQUIPMENT DESIGNATION
X	KEYED NOTES ON DRAWING
X	DRAWING REVISIONS

NOTE: THIS LEGEND IS FOR REFERENCE ONLY. NOT ALL SYMBOLS AND ABBREVIATIONS WILL BE USED. NOT ALL SYMBOLS AND ABBREVIATIONS USED ARE INCLUDED IN LEGEND. IF QUESTIONS ARISE DUE TO THE USE OF ANY SYMBOL OR ABBREVIATION THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY FOR DEFINITION(S) AND/OR CLARIFICATION(S).

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2454 N. McMullen Booth Rd. #202
Clearwater, FL 33759
P (847)296-1525 | F (847)290-8130
www.camburasandtheodore.com

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BALLWIN, MO 63011

REVISIONS		
REV.	DATE	DESCRIPTION

DATE	GROSS SQ. FT.
08-13-26	40,278 S.F.

PROJECT #: 26-0717764
DRAWN BY: MM
CHECK BY: AW

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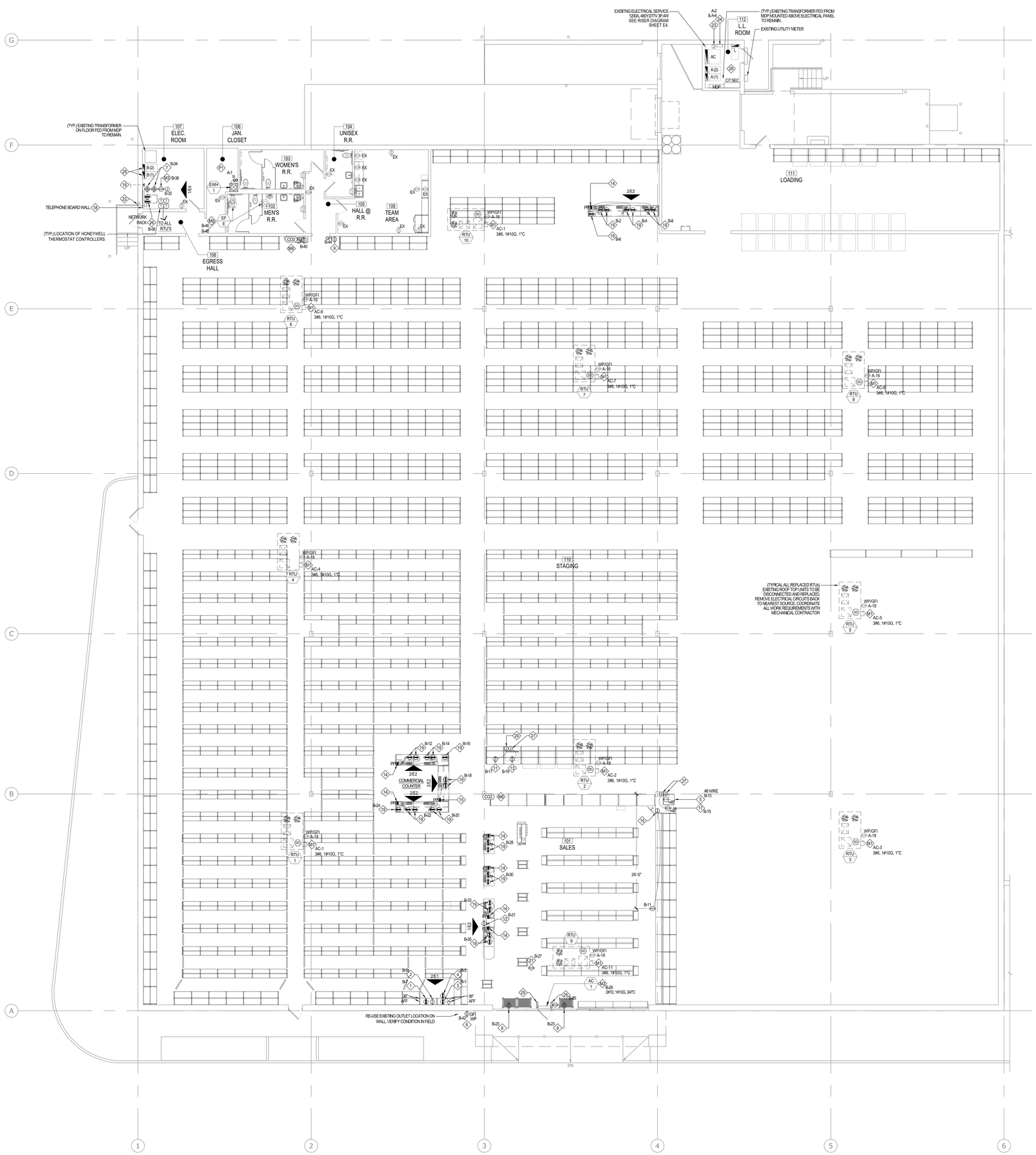
FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

Q1-26

PLUMBING FLOOR PLAN & SCHEDULES

P1



ELECTRICAL POWER PLAN

1/E1 SCALE: 1/8" = 1'-0"

TRUE NORTH PLAN NORTH

POWER PLAN KEYED NOTES

1. FURNISH AND INSTALL ONE (1) I.G. DUPLEX RECEPTACLE FOR MANAGER COMPUTER. MOUNT @36" AFF. SEE DETAIL 2/E1. LABEL RECEPTACLE "COMPUTER".
2. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE FOR SOUND SYSTEM. MOUNT @48" AFF. SEE DETAIL 2/E1. LABEL RECEPTACLE "SOUND".
3. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE FOR LASER PRINTER. MOUNT @24" AFF. SEE DETAIL 2/E1. LABEL RECEPTACLE "PRINTER".
4. FURNISH AND INSTALL ONE (1) I.G. DUPLEX RECEPTACLE FOR DATA EQUIPMENT. MOUNT @18" AFF. SEE DETAIL 2/E1. LABEL RECEPTACLE "DATA".
5. ALTERNATOR STARTER TESTER 20 AMP, 120V SINGLE STRAIGHT BLADE RECEPTACLE. CIRCUIT SHALL BE ON A DEDICATED CIRCUIT. LABEL OUTLET.
6. FURNISH AND INSTALL ONE (1) 20A, 125V GROUND FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX RECEPTACLE WITH IN-USE WEATHERPROOF COVER. MOUNT + 24" AFF NEXT TO WALL HYDRANT.
7. ON TELEPHONE AND SECURITY EQUIPMENT BACKBOARD, INSTALL TWO (2) QUADRAPLEX RECEPTACLES, SIDE BY SIDE AND 6" APART. PROVIDE DEDICATED CIRCUIT WITH LOCK-ON DEVICE ON BREAKER FOR RECEPTACLES. SEE RISER DIAGRAM AND PANEL SCHEDULES ON SHEET E4 FOR CLARIFICATION.
8. PROVIDE RECEPTACLE MOUNTED ABOVE STOREFRONT AS REQ'D BY NEC CODE. INSTALLATION OF THE J-BOX AND POWER FOR THE SIGN RUN IS BY THE ELECTRICAL CONTRACTOR. COORDINATE FINAL LOCATION WITH SIGN VENDOR.
9. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE @24" AFF. FOR FLOOR CLEANER CHARGER. COORDINATE EXACT LOCATION WITH OWNER.
10. FURNISH AND INSTALL ONE (1) QUADRAPLEX RECEPTACLE @36" AFF FOR BREAKROOM OUTLET.
11. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE @48" AFF FOR BATTERY CHARGER.
12. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE FOR DRINK COOLER. FLUSH MOUNT OUTLET BOX IN BASE OF CABINET SO THAT OUTLET IS MOUNTED ON OUTSIDE OF CABINET. DUPLEX RECEPTACLE AND COVER PLATE SHALL BY FACTORY BLACK.
13. FURNISH AND INSTALL A DUPLEX RECEPTACLE @18" AFF FOR WORK BENCH.
14. 2" EMT TO BE USED FOR POWER DROP DOWN TO COUNTER. DRILL 2½" HOLE W/BUSHING FOR CONDUIT ENTRY IN COUNTER. SEE COUNTER DETAILS SHEET E2. ISOLATED GROUND CIRCUITS SHALL BE SEPARATE FROM NORMAL POWER CIRCUITS. DO NOT INSTALL EMT OR THE RECEPTACLES IN THE COUNTERS EXCEPT UNDER THE DIRECT SUPERVISION OF THE ADVANCE AUTO PARTS CONSTRUCTION PROJECT MANAGER. CONTRACTOR MAY SCALE DRAWINGS ONLY FOR THE ROUGH-IN LOCATION OF JUNCTION BOXES AND CIRCUITS BEFORE STORE FIXTURES ARE SET.
15. SURFACE MOUNTED JUNCTION BOX, BOTTOM @12" AFF. ELECTRICIAN SHALL RETURN AT DESIGNATED TIME TO INSTALL MC CABLE TO DUPLEX RECEPTACLE IN TOE KICK OF FIXTURE. DUPLEX RECEPTACLE AND COVER PLATE SHALL BE FACTORY BLACK TO MATCH TOE KICK.
16. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH LOCAL UTILITY COMPANY FOR THE INSTALLATION OF THE INCOMING TELEPHONE SERVICE CONDUITS. FURNISH AND INSTALL AT A MINIMUM ONE (1) 4" EMPTY PVC CONDUIT WITH LONG RADIUS STEEL ELBOWS AND A PULL ROPE AS REQUIRED BY LOCAL UTILITY CO. BURY A MINIMUM OF 24" BELOW GRADE FROM POINT AS DIRECTED BY LOCAL UTILITY CO. TO TELEPHONE BACKBOARD INSIDE BUILDING. PROVIDE #6 GROUND AT THE TELEPHONE BOARD AS SHOWN ON DETAIL 1/E4.
17. FURNISH AND INSTALL A DUPLEX RECEPTACLE ON A SEPARATE CIRCUIT FOR BATTERY FAST CHARGER UNIT. LABEL CIRCUITS.
18. PLYWOOD TELEPHONE AND SECURITY EQUIPMENT BACKBOARD BY ELECTRICAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS. PREP/PRIME/PAINT BOARD WITH FIRE RETARDANT GRAY PAINT. PROVIDE 3/4" PLYWOOD BACKBOARD FOR EQUIPMENT MOUNTING.
19. FURNISH AND INSTALL ISOLATED GROUND RECEPTACLES AS INDICATED WITH DEDICATED ISOLATED GROUND CIRCUIT(S). ALL ISOLATED GROUND CIRCUITS SHALL BE KEPT SEPARATE FROM NORMAL CIRCUITS. REFER TO SHEET E2 FOR EXACT LOCATIONS.
20. SURFACE MOUNTED JUNCTION BOX, BOTTOM @12" AFF. ELECTRICIAN SHALL RETURN AT DESIGNATED TIME TO INSTALL MC CABLE TO DUPLEX RECEPTACLE IN BATTERY CHARGING STATION. DUPLEX RECEPTACLE AND COVER PLATE SHALL BE FACTORY BLACK.
21. GREETER/SECURITY MONITOR RECEPTACLE. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DUPLEX RECEPTACLE MOUNTED AT BOTTOM OF BAR JOIST. COORD. EXACT LOC'N W/OWNER PRIOR TO ROUGH-IN.
22. 1" GALVANIZED RIGID STEEL CONDUIT W/ WEATHERHEAD ON ROOF FOR SATELLITE DISH CABLE (DISH AND CABLE BY OWNER/VENDOR). CONDUIT SHALL PENETRATE ROOF AND EXTEND BELOW BAR JOIST. SECURE TO JOIST IN TWO PLACES FOR A STURDY MOUNT.
23. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ½" CONDUIT W/PULL WIRE THROUGH WALL 8'-0" ABOVE EMS PANEL LOCATION. EXTENDING 3" BEYOND EXTERIOR WALL FOR EXTERIOR TEMPERATURE & LIGHT SENSOR (BY OTHERS).
24. EMS PREFAB PANEL SUPPLIED & INSTALLED BY CYLON RETAIL SOLUTIONS (CRS) VENDOR.
25. NEW EAS SYSTEM. ELECTRICAL CONTRACTOR TO LOCATE DUPLEX AND POWER MODULES AS REQUIRED BY EAS SUPPLIERS. COORDINATE WITH GENERAL CONTRACTOR, OWNER CONSTRUCTION MANAGER AND VENDOR FOR ADDITIONAL INFORMATION. LOCATION SHOW FOR REFERENCE ONLY.
26. FURNISH AND INSTALL ONE (1) QUAD ISOLATED GROUND OUTLET FOR HUB STACK CABINET. VERIFY LOCATION WITH SYSTEM INSTALLER.
27. SURFACE MOUNTED JUNCTION BOX, BOTTOM @12" AFF. ELECTRICIAN SHALL RETURN AT DESIGNATED TIME TO INSTALL MC CABLE TO OUTLETS
28. EXISTING ELECTRICAL PANELS. DISCONNECT AND REMOVE UNUSED CIRCUITS AND PREPARE PANEL FOR NEW BREAKERS AND CIRCUITS AS REQUIRED BY NEW PANEL SCHEDULES. PROVIDE UPDATED TYPED PANEL SCHEDULES WITHIN PANEL COVERS. PROVIDE NEW BREAKERS FROM EXISTING MANUFACTURER THAT ARE UL LISTED FOR EQUIPMENT. ADJUST BREAKER LAYOUT TO MATCH NEW SCHEDULES.
29. EXISTING HAND DRYER TO REMAIN. VERIFY IN GOOD ELECTRICAL CONDITION AND UPDATE SCHEDULES WITH LOCATION.

M&P POWER KEYED NOTES

M1. ROOF TOP UNIT FURNISHED WITH SERVICE DISCONNECT SWITCH AND A 20 AMP, 125 VOLT GFCI RECEPTACLE. ALL POWER WIRING SHALL ENTER UNIT THROUGH ROOF CURB TO POWER ENTRY SECTION OF UNIT. ALL POWER WIRING INSIDE UNIT SHALL BE IN FLEXIBLE CONDUIT. RECEPTACLE SHALL BE "LOOSE" AND WIRED BY ELECTRICAL CONTRACTOR TO CIRCUIT AS SHOWN. COORDINATE EXACT LOCATION WITH MECHANICAL.

M2. NON-HEATED AIR CURTAIN FURNISHED WITH SERVICE DISCONNECT SWITCH AND CONTROLS. CONNECT TO CIRCUIT INDICATED. INSTALL MAGNETIC DOOR SWITCH TO CONTROL AIR CURTAIN. WIRING BETWEEN DOOR SWITCH AND UNIT SHALL BE CONCEALED WITHIN THE DOOR FRAME.

M3. FURNISH AND INSTALL ONE (1) DUPLEX OUTLET FOR IRRIGATION TIMER. VERIFY LOCATION WITH SYSTEM INSTALLER. GENERAL CONTRACTOR TO PROVIDE SLEEVE THROUGH WALL FOR CONTROL WIRES. REFER TO UTILITY DRAWINGS FOR REQUIREMENTS. IRRIGATION TIMER CIRCUIT SHALL BE USED AS REQUIRED FOR RAIN GAUGE.

~~M4. EXHAUST FAN TO BE INSTALLED WITH LOCAL DISCONNECT SWITCH. CONNECT EXHAUST FAN TO LOCAL LIGHTING CIRCUIT WITHIN ROOM. FAN SHALL RUN WHEN OCCUPANCY IS DETECTED AND LIGHTS ARE ON. FAN SHALL RUN FOR 20 MINS PER OCCUPANCY SENSOR SETTING. CONNECT TO CIRCUIT SHOWN. 3/4"C WITH 2#10 & 1#10 GND TO PANEL.~~

~~M5. EXHAUST FAN TO BE INSTALLED WITH LOCAL DISCONNECT SWITCH. EXHAUST FAN SHALL BE CONTROLLED BY A ROOM THERMOSTAT WITH A SET POINT OF 80F. FAN SHALL RUN WHEN SETPOINT IS REACHED. CONNECT TO CIRCUIT SHOWN. 3/4"C WITH 2#10 & 1#10 GND TO PANEL.~~

M6. CO2 SENSOR MOUNTED AT 7'-0" A.F.F. ON BACK SIDE OF COLUMN. FURNISH AND INSTALL CONDUIT, CONTROL WIRING, AND CONNECT TO EQUIPMENT INDICATED AS REQUIRED. PAINT EXPOSED CONTROL WIRING CONDUIT TO MATCH COLUMN.

M7. EXISTING UNIT HEATER TO REMAIN. CLEAN AND FIELD VERIFY ELECTRICAL WIRING IS IN GOOD CONDITION. INTERCEPT AND EXTEND CIRCUIT IF REQUIRED TO MATCH PANEL SCHEDULE.

~~M8. EXISTING ROOF TOP UNIT TO REMAIN. CLEAN AND VERIFY ELECTRICAL EQUIPMENT IS IN GOOD WORKING CONDITION AND PROVIDE LABEL INDICATING WHERE EQUIPMENT IS FED FROM IF MISSING. LABEL TO BE SAME REQUIREMENTS AS PER AAP SPECIFICATION.~~

M9. EXHAUST FAN TO BE INSTALLED WITH LOCAL DISCONNECT SWITCH. EXHAUST FAN SHALL BE CONTROLLED BY LIGHTING CONTROL TIMECLOCK. FAN SHALL RUN CONTINUALLY DURING BUSINESS HOURS. CONNECT TO CIRCUIT SHOWN. 3/4"C WITH 2#10 & 1#10 GND TO PANEL.

~~H1. HIGH SPEED FAN TO BE INSTALLED WITH LOCAL DISCONNECT SWITCH AND LOCAL CONTROLLER. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER INFORMATION AND CLIENTS PROJECT MANAGER. CONNECT TO CIRCUIT SHOWN. 3/4"C WITH 2#10 & 1#10 GND TO PANEL.~~

P1. FURNISH AND INSTALL A 30A TOGGLE SWITCH FOR WATER HEATER SERVICE DISCONNECT. MOUNT +48" ABOVE PLATFORM FLOOR ABOVE RESTROOMS. MAKE FINAL CONNECTIONS TO WATER HEATER. 3/4"C, , 2#8, 1#10 GND.

ELECTRICAL POWER LEGEND

(ALL SYMBOLS MAY NOT NECESSARILY BE USED ON PROJECT).

SYMBOL:	DESCRIPTION:
	20 AMP, 125 VOLT DUPLEX RECEPTACLE MOUNTED 18" A.F.F., U.N.O. WHITE COLOR.
	QUADRAPLEX RECEPTACLE TWO 20 AMP, 125 VOLT DUPLEX RECEPTACLES MOUNTED 18" A.F.F., U.N.O. WHITE COLOR.
	20 AMP, 125 VOLT DUPLEX RECEPTACLE WITH ISOLATED GROUND MOUNTED 18" A.F.F., U.N.O. ORANGE COLOR.
	QUADRAPLEX IG RECEPTACLE TWO 20 AMP, 125 VOLT DUPLEX RECEPTACLES WITH ISOLATED GROUND MOUNTED 18" A.F.F., U.N.O. ORANGE COLOR.
	SPECIAL PURPOSE RECEPTACLE. REFER TO PLAN FOR SPECIFICATION.
S	20 AMP, 277 VOLT SINGLE POLE SWITCH MOUNTED 48" A.F.F. U.N.O. WHITE COLOR
S^M	20 AMP, 277 VOLT SINGLE POLE MANUAL MOTOR STARTER DISCONNECT SWITCH. MOUNTED 48" A.F.F., U.N.O.
	TIMED OVERRIDE SWITCH. MOUNT AT 48" A.F.F. SEE DETAIL 2/E4 FOR SPECIFICATION.
	JUNCTION BOX. SEE PLAN FOR REQUIREMENTS
	ELECTRICAL PANEL BOX. SEE PANEL SCHEDULES FOR REQUIREMENTS
	ELECTRIC MOTOR. MAKE FINAL CONNECTIONS
	ELECTRICAL DISCONNECT SWITCH. SEE PLANS FOR SPECIFICATION
M	ELECTRICAL MOTOR STARTER / DISCONNECT SWITCH. SEE PLANS FOR SPECIFICATION
A-##	PANELBOARD AND CIRCUIT DESIGNATION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT AND CIRCUIT ROUTINGS BACK TO PANELBOARDS. CONTRACTOR MAY GROUP CIRCUITS WHICH EVER MAY BE THE CHEAPEST ROUTING METHOD. NO MORE THAN 3 CIRCUITS PER HOMERUN. NEUTRAL CONDUCTOR MAY ONLY SERVE THREE HOT CONDUCTORS OF DIFFERENT PHASES. CONTRACTOR IS RESPONSIBLE FOR ALL VOLTAGE LOSS AND CABLE DERATING PER N.E.C.
	VOICE OUTLET BOX. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 4 11/16" SQUARE OUTLET BOX WITH SINGLE GANG PLASTER RING. INSTALL A 3/4" EMPTY CONDUIT WITH PULL STRING UP TO 12" ABOVE SUSPENDED CEILING OR JOIST SPACE (IF NO CEILING EXIST). PROVIDE INSULATED BUSHING ON EACH END OF CONDUIT. # INDICATES CABLE NUMBER.
4	DATA OUTLET BOX. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 4 11/16" SQUARE OUTLET BOX WITH SINGLE GANG PLASTER RING. INSTALL A 3/4" EMPTY CONDUIT WITH PULL STRING UP TO 12" ABOVE SUSPENDED CEILING OR JOIST SPACE (IF NO CEILING EXIST). PROVIDE INSULATED BUSHING ON EACH END OF CONDUIT. # INDICATES CABLE NUMBER.
T	RTU THERMOSTAT LOCATION. TEMPORARY THERMOSTATS TO BE PROVIDED & INSTALLED BY M.C.. MOUNT AT 5'-7" AFF. EMS VENDOR WILL REPLACE TEMPORARY THERMOSTATS DURING EMS INSTALLATION.
CO2	CO2 SENSOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND OUTLET BOX AS REQUIRED. COORDINATE ALL REQUIREMENTS W/ HVAC CONTRACTOR.
SD	FACTORY INSTALLED DUCT SMOKE DETECTOR.

ELECTRICAL ABBREVIATIONS

AAP	ADVANCE AUTO PARTS	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
A	AMPERE	O.C.	ON CENTER
AWG	AMERICAN WIRE GAUGE	PH	PHASE
CB	CIRCUIT BREAKER	PNL	PANEL
ELEC	ELECTRICAL CONTRACTOR	SPECS	SPECIFICATIONS
EQUIP	EQUIPMENT	SW	SWITCH
ETR	EXISTING TO REMAIN	TEL	TELEPHONE
FA	FIRE ALARM	TYP	TYPICAL
FOIC	FURNISHED BY OWNER, INSTALLED BY ELEC. CONTR.	U.C.	UNDER COUNTER
G,GND	GROUND	U.O.N.	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPTER	V	VOLT
GRMC	GALVANIZED RIGID METAL CONDUIT	W	WIRE
HP	HORSEPOWER	WP	WEATHERPROOF
IG	ISOLATED GROUND	XFMR	TRANSFORMER
J-BOX	JUNCTION BOX	RTU	ROOF TOP UNITS

GENERAL NOTES

A. ELECTRICIAN IS TO RETURN TO THE JOB ON A DESIGNATED DAY TO:
INSTALL ALL REQUIRED RECEPTACLES IN THE COUNTERS AS SHOWN.
INSTALL RECEPTACLES FOR SUSPENDED GREETER MONITOR.

B. ALL LOW VOLTAGE CABLES ARE FURNISHED AND INSTALLED BY ADVANCE AUTO AUTO PARTS NATIONAL ACCOUNT VENDOR. IF REQUIRED, CONTRACTOR TO PULL THE LOW VOLTAGE PERMIT FOR THE VENDOR AND VENDOR WILL REIMBURSE THE COST OF THE PERMIT.

C. THE STORE MERCHANDISE PLAN IN THIS SET IS FOR THE CONTRACTOR'S REFERENCE ONLY. ADVANCE AUTO PARTS WILL SUPPLY AND INSTALL ALL STORE FIXTURES.

D. BEFORE SUBMITTING THE PROPOSAL FOR HIS WORK, THE CONTRACTOR SHALL VISIT THE SITE. HE SHALL SATISFY HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK AND THE GENERAL CONDITIONS. HE SHALL HAVE FULL KNOWLEDGE AS TO TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF WATER, ELECTRIC POWER AND ALL OTHER FACILITIES IN THE AREA WHICH WILL HAVE A BEARING ON THE PERFORMANCE OF HIS WORK AND THE CONTRACT FOR WHICH HE SUBMITS A PROPOSAL. FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF WITH ALL AVAILABLE INFORMATION SHALL NOT RELIEVE HIM OF ANY RESPONSIBILITY FOR PERFORMING HIS WORK PROPERLY. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR CONDITIONS INCREASING THE CONTRACTOR'S COST WHICH WERE NOT KNOWN TO OR APPRECIATED BY HIM WHEN SUBMITTING HIS PROPOSAL. IF THE CONDITION WAS OBVIOUS AND COULD HAVE BEEN DISCOVERED BY HIM IF HE HAD VISITED THE PROJECT AND HAD THOROUGHLY INFORMED HIMSELF OF ALL EXISTING CONDITIONS WHICH WOULD AFFECT HIS WORK.

E. NO JUNCTION BOXES OR CONDUIT SHALL BE MOUNTED BELOW 12" A.F.F.

GENERAL NOTES

NOTE TO CONTRACTOR:
THERE IS ONLY 8'-0" OF WALL SPACE ALLOTTED FOR ELECTRICAL EQUIPMENT INCLUDING EMS PANEL. THIS 8'-0" OF WALL SPACE SHALL NOT BE EXCEEDED AND THE PANELS SHALL BE INSTALLED IN LOCATIONS AS SHOWN.

GENERAL NOTES:

1. PROVIDE NEW RECEPTACLES AND COVERS. COLOR SHALL BE WHITE.
2. ELECTRICAL CONTRACTOR SHALL PLACE CONDUIT DROPS AFTER COUNTERS ARE SET.

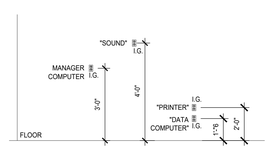
NOTE:
ELECTRICAL CONTRACTOR TO PLAN FOR AND INSTALL APPROXIMATELY 6 CONDUIT DROPS AND J-BOXES FOR THE INSTALLATION OF EMS, ADT CCTV, SECURITY/ALARM DEVICES. CONDUIT INSTALLATION TO BE COORDINATED WITH LOW VOLTAGE TECH'S WHILE ON SITE. CONDUITS AND BOXES TO BE PAINTED.

OUTLET COLOR DESIGNATION NOTE:

ALL IG OUTLETS TO BE ORANGE. ALL OUTLETS IN KICKPLATES TO BE BLACK. ALL OTHER OUTLETS ARE TO BE WHITE.

REMOTE TEST STATION NOTE:

REMOTE TEST STATION SHALL BE MOUNTED AT 7'-0" A.F.F. AT COLUMN NEAREST TO RTU'S OR AT AAP TELEPHONE BOARD. COORDINATE WITH AHJ PRIOR TO ROUGH-IN.



2/E1 OFFICE OUTLET ELEVATIONS

SCALE: N.T.S.

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ARCHITECTURE | ENGINEERING | INTERIORS
2401 Pacific Coast Highway, #202
San Pedro, CA 90731
P (847)296-1525 | F (847)290-8130
www.camburasandtheodore.com

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BALLWIN, MO 63011

REV	DATE	DESCRIPTION
		REVISIONS

DATE: 08-13-26
GROSS SQ. FT.: 40,278 S.F.
PROJECT #: 26-017764
DRAWN BY: NTB
CHECK BY: TWD

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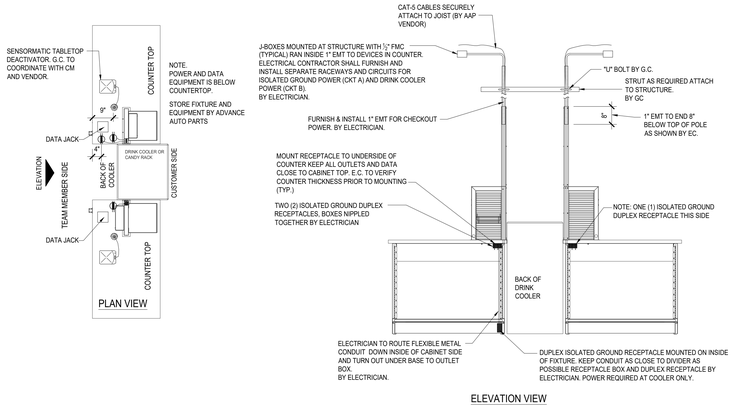
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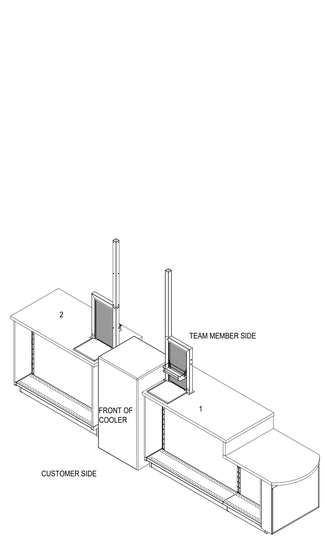
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ELECTRICAL POWER PLAN

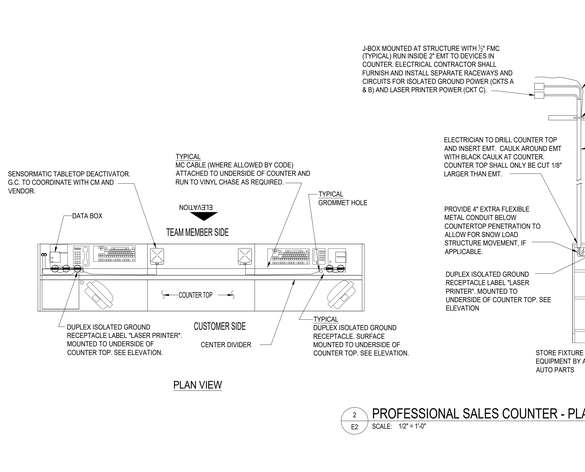
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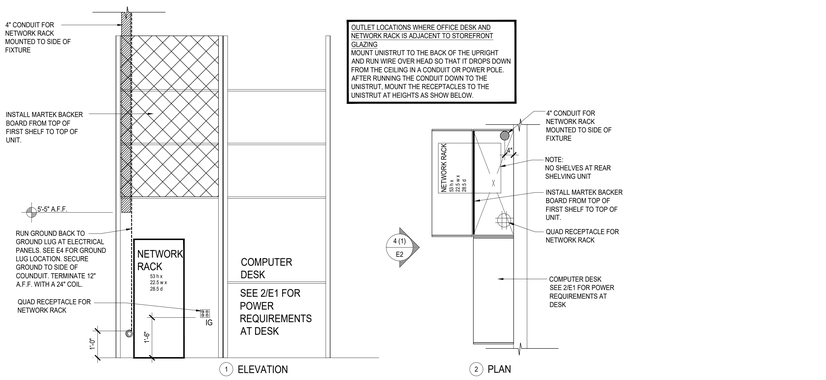
1 / E2 CHECKOUT COUNTER #1 - PLAN AND ELEVATION
SCALE: 1/2" = 1'-0" NOTE, CANDY RACK IS SIMILAR.



3 / E2 ISOMETRIC AT ALL COUNTERS
SCALE: 1/2" = 1'-0"



2 / E2 PROFESSIONAL SALES COUNTER - PLAN AND ELEVATION
SCALE: 1/2" = 1'-0"



4 / E2 SHELVING PLAN AND ELEVATION AT NETWORK RACK
SCALE: 1/2" = 1'-0"

ELECTRICAL SPECIFICATIONS

GENERAL:

A. CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS AND PAY ALL FEES REQUIRED FOR THE EXECUTION OF HIS WORK. CONTRACTOR SHALL PROVIDE APPLICABLE CERTIFICATES TO OWNER.

B. THE WORK SHALL INCLUDE FURNISHING ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES TO CONSTRUCT AND INSTALL THE EQUIPMENT AND SYSTEMS NECESSARY TO COMPLETE THE WORK INDICATED ON DRAWING.

C. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE FURNISHED WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.

D. THE INSTALLATION SHALL COMPLY WITH THE APPLICABLE ORDINANCES OF THE LOCAL AUTHORITIES. ALL STATE REQUIREMENTS, THE REGULATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS AND THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, ANYTHING IN THESE SPECIFICATIONS OR DRAWINGS TO THE CONTRARY NOTWITHSTANDING.

E. ELECTRICAL EQUIPMENT EXPOSED TO WEATHER SHALL BE WEATHERPROOF.

F. IF FINAL CONSTRUCTION DIFFERS IN ANY WAY FROM ORIGINAL DRAWINGS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE OWNER WITH ONE SET OF "AS BUILT" DOCUMENTS WITH CHANGES MARKED IN RED.

G. WHERE REQUIRED FOR APPLICABLE SEISMIC ZONES, PROVIDE SEISMIC RESTRAINTS FOR ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND ALL CONDUIT 2-1/2" AND LARGER.

H. THE CONTRACTOR SHALL COORDINATE ALL ELECTRIC AND TELEPHONE SERVICE REQUIREMENTS WITH LOCAL UTILITY COMPANIES AND PERFORM ALL WORK IN ACCORDANCE WITH UTILITY STANDARDS.

I. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

J. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.

K. ELECTRICAL CONTRACTOR TO COORDINATE THE EXACT MCA/MOCP AND VOLTAGE REQUIREMENTS OF ALL EQUIPMENT WITH ALL OTHER TRADES PRIOR TO PRICING, ORDERING, OR INSTALLING ANY ELECTRICAL GEAR. THIS SHALL INCLUDE BUT NOT LIMITED TO ALL HVAC, PLUMBING, OWNER PROVIDED EQUIPMENT, ETC..

L. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THESE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE, ON THE PROJECT. TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WIRE:

A. ALL WIRE SHALL BE THWN FOR ALL EXTERIOR OR POSSIBLE WET LOCATIONS.

B. ALL WIRE SHALL BE THWN OR THHN FOR ALL INTERIOR OR DRY LOCATIONS.

C. ALL BUILDING WIRE SHALL BE 600 VOLTS COPPER.

D. THE MINIMUM WIRE SIZE FOR POWER AND LIGHTING SHALL BE #12 AWG., FOR CONTROLS #14 AWG.

E. THE USE OF ROMEX SHALL NOT BE PERMITTED.

F. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT AND WIRE ROUTING. ANY LENGTHS EXCEEDING 75' SHALL HAVE VOLT LOSS CALCULATED AND WIRE SIZES ADJUSTED AS REQUIRED BY CODE.

DEVICES:

A. ALL WIRING DEVICES COVER PLATES, ETC. SHALL BE AS SPECIFIED ON POWER LEGEND.

B. POWER EQUIPMENT SHALL BE NEW AND BEAR A U.L. LABEL.

C. WIRING DEVICES SHALL BE 20 AMP FEDERAL SPECIFICATION GRADE WITH NYLON OR STAINLESS STEEL COVER PLATES. COORDINATE COLORS WITH OWNER.

RACEWAYS:

A. ALL UNDERSLAB OR BELOW GRADE RACEWAYS SHALL BE SCHEDULE 40 PVC CONDUITS WITH RIGID GALVANIZED STEEL "RGS" RISERS TO ABOVE GRADE OR SLAB.

B. ALL CONDUITS INSIDE BUILDING SHALL BE 3/4" ELECTRICAL METALLIC TUBING "EMT" MINIMUM.

C. THE USE OF MC IS PERMITTED ONLY IF ALLOWED BY LOCAL AUTHORITY. MC CABLE IS ALLOWED ONLY WHERE CONCEALED IN INDOOR LOCATIONS OR WHERE UNOBTRUSIVELY ATTACHED TO STRUCTURAL MEMBERS.

D. FLEXIBLE METAL CONDUIT MAY BE USED FOR FINAL CONNECTION TO LIGHT FIXTURES AND MOTORS 6' MAXIMUM LENGTH ALLOWED.

E. RIGID OR INTERMEDIATE GALVANIZED STEEL CONDUIT SHALL BE USED FOR ALL EXTERIOR APPLICATIONS ABOVE GRADE.

F. SEAL-TITE SHALL BE USED FOR ALL EXTERIOR CONNECTIONS

G. ALL RACEWAYS SHALL BE SUPPORTED TO ROOF STRUCTURAL MEMBERS PER N.E.C. NO RACEWAYS SHALL BE ATTACHED DIRECTLY TO ROOF DECK.

H. ALL RACEWAYS SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING WALLS OR FLOORS.

I. PROVIDE PLASTIC BUSHINGS AT OPEN ENDS OF ALL CONDUITS WITH LOW VOLTAGE WIRING.

J. SEAL ALL PENETRATIONS THROUGH WALLS OR FLOORS WITH APPROPRIATE CAULK OR GROUT. SEAL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS WITH UL LISTED FIRE STOP COMPOUND.

K. ALL CONDUIT (INCLUDING LOW VOLTAGE) ON INTERIOR WALLS ARE TO BE PAINTED TO MATCH WALL SERVICE.

LUMINAIRES:

A. ALL LIGHT FIXTURES SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFICATIONS.

B. ALL LIGHT FIXTURES SHALL BE PURCHASED THROUGH ADVANCE AUTO PARTS ELECTRICAL NATIONAL ACCOUNT VENDOR. REFER TO SHEET T1 FOR VENDOR CONTACT AND ORDERING INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT LIGHT FIXTURES WITH UNISTRUT THAT IS INSTALLED TO ALLOW FOR ADJUSTMENT OF LIGHT FIXTURES AFTER FIXTURES ARE INSTALLED. LIGHT FIXTURES SHALL BE INSTALLED DOWN CENTER OF AISLES.

D. REPLACE DEFECTIVE LAMPS AND BALLASTS PRIOR TO PROJECT COMPLETION.

DISTRIBUTION EQUIPMENT:

A. ANY NEW PANELBOARDS & CONTACTORS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PANELBOARDS AND CONTACTORS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SIEMENS, CUTLER HAMMER OR SQUARE-D (NO SUBSTITUTIONS).

B. ALL PANELBOARDS SHALL HAVE COPPER BUS WITH 100 % RATED NEUTRAL BUS BARS.

C. ALL BREAKERS SHALL BE BOLT-ON TYPE. FURNISHED BY ELECTRICAL CONTRACTOR.

D. ALL BREAKERS SHALL BE RATED TO WITHSTAND INCOMING AVAILABLE FAULT CURRENT FROM UTILITY COMPANY TRANSFORMER.

E. SERIES RATING MAY BE ALLOWED IF ACCEPTABLE BY LOCAL CODES. ALL SERIES RATED APPLICATIONS MUST MEET ALL N.E.C. REQUIREMENTS.

F. PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT AND TYPED DIRECTORY CARDS FOR PANELBOARDS.

G. UNLESS NOTED OTHERWISE, ALL SERVICE EQUIPMENT FUSES SHALL BE BUSSMANN LPJ AND ALL OTHER FUSES SHALL BE BUSSMANN "LOW-PEAK" OF APPROPRIATE VOLTAGE RATING.

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GROSS SQ. FT. 40,278 S.F.
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DRAWN BY: NTB
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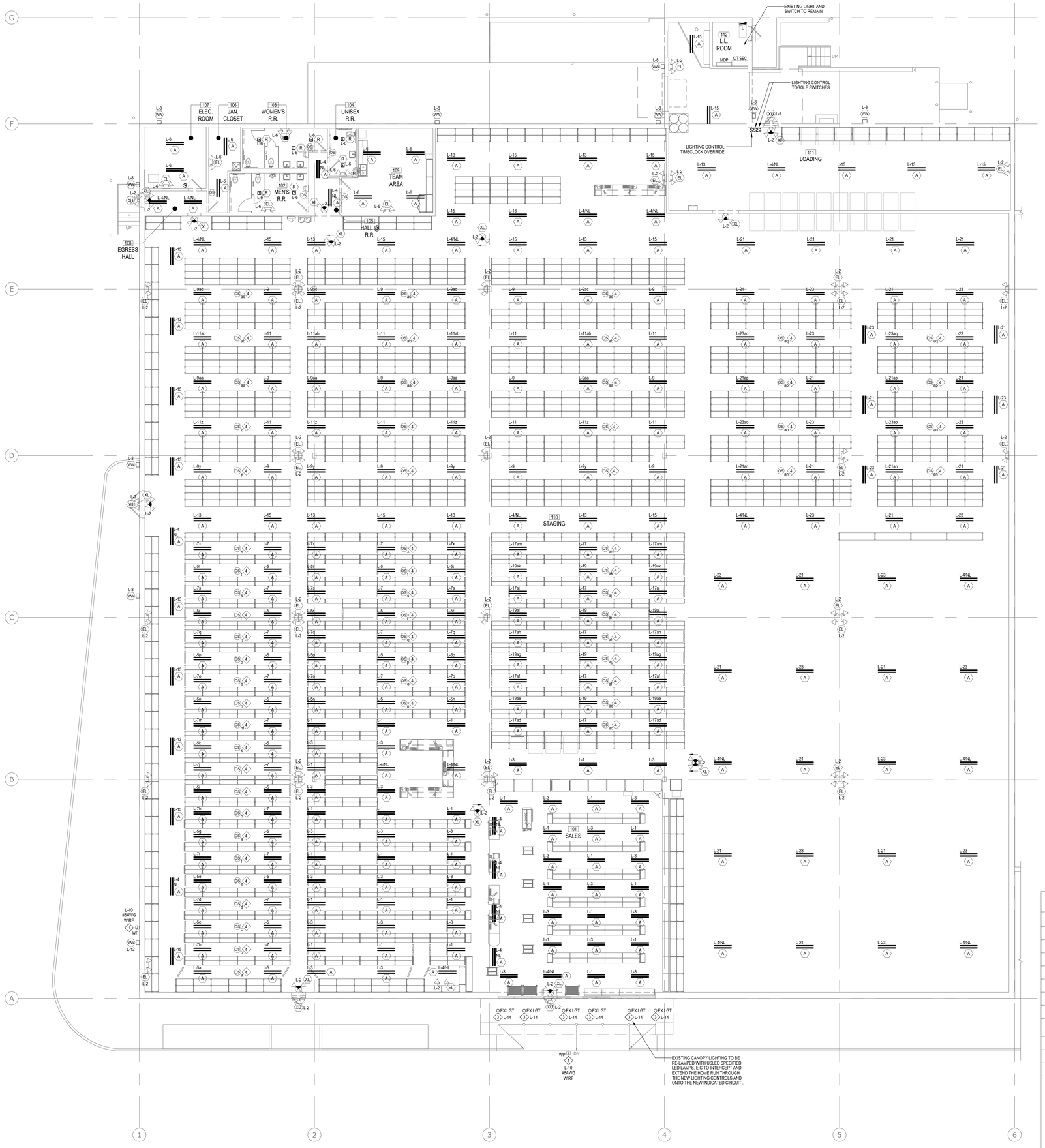
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Q1-26

ENLARGED COUNTER DETAILS & NOTES

E2



LIGHTING PAN KEYED NOTES

1. PRIOR TO INSTALATION OF SIGNAGE, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) 20-AMP CIRCUIT TO JUNCTION BOX FOR BUILDING SIGN. J-BOX SHALL BE MOUNTED DIRECTLY BEHIND "E" IN "ADVANCE". CLEARLY MARK J-BOX "FOR SIGN COMPANY". SIGN COMPANY TO MAKE ALL FINAL CONNECTIONS TO SIGNS. SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL SIGNS. SIGNS SHALL BE FURNISHED WITH DISCONNECT SWITCH. ELECTRICAL CONTRACTOR SHALL ROUTE CIRCUIT TO PANEL. FINAL CONNECTION TO TIME CLOCK BY ELECTRICAL CONTRACTOR.
2. E.C. TO PROVIDE (1) 20A., 120V CIRCUIT & CONDUIT TO PANEL, CLEARLY IDENTIFIED. AAP VENDOR TO MAKE FINAL CONNECTION THRU EMS PREFAB PANEL.
3. EXISTING EXTERIOR LIGHT FIXTURE TO BE CLEANED AND RE-LAMPED. REFER TO PAN A6 ELEVATIONS FOR LOCATIONS. VERIFY OR INTERCEPT AND EXTEND EXISTING CIRCUITS BACK TO AAP ELECTRICAL PANELS AND CIRCUIT.
4. PROVIDE EACH AISLE WITH INDEPENDENT LIGHTING CONTROL TO REDUCE AISLE LIGHTING BY AT LEAST 50% WITHIN 20 MINUTES OF VACANCY. TYPICAL THROUGHOUT WAREHOUSE AREA HUBBELL MSD2000L120 (OR MSD2000L277) LINE VOLTAGE FOR AISLE AND HIGH BAYS. CONTROL LIGHTING IN AISLE ONLY DO NOT EXTEND CONTROL PAST END OF SHELVING. PROVIDE ALL NECESSARY MATERIALS. LOCAL OCCUPANCY SENSOR GROUP SHALL BE SET PER SMALL LETTER E G' V. LIGHT FIXTURES WITH SAME LETTER SHALL BE CONTROLLED BY CORRESPONDING SENSOR AND THE OVERALL LIGHTING SYSTEM SHALL BE CONTROLLED BY THE TIMECLOCK / EMS SYSTEM CONTACTORS.
5. EXISTING INTERIOR LIGHT FIXTURE TO BE CLEANED AND RE-LAMPED. PROVIDE USLED LED TUBE LAMP (LED TUBES. 3500K COLOR TEMPERATURE, 80CRI, 1800 LUMENS). REMOVE MAGNETIC BALLAST (PROVIDE BALLAST BYPASS) AND INTERCEPT AND EXTEND EXISTING CIRCUIT TO INDICATED NEW CIRCUIT.

NOTE
SEE ARCHITECTURAL REFLECTED CEILING PAN FOR LIGHTING LOCATION DIMENSIONS

ELECTRICAL CEILING LEGEND
(ALL SYMBOLS MAY NOT NECESSARILY BE USED ON PROJECT).

SYMBOL:	DESCRIPTION:
	4in.X 48in. LINEAR LED LUMINAIRE
	1X1 SOFFIT LUMINAIRE
	EXIT SIGN WITH BATTERY BACK UP
	EXIT SIGN WITH LED EGRESS LIGHTS
	INTERIOR EMERGENCY LUMINAIRE
	EXTERIOR DECORATIVE WALL LIGHT
	EXTERIOR WALL PACK
OS	OCCUPANCY SENSOR WITH DUAL TECHNOLOGY (ULTRASONIC AND INFRA RED) AND OFF SWITCH (RESTROOMS ONLY). WALL MOUNT AT 48" AFF FOR RESTROOMS. PENDANT FOR WAREHOUSE AREAS. RESTROOMS: HUBBELL #LMRTS1 WAREHOUSE AISLES: HUBBELL #MSD2000L120 (OR MSD2000L277)
7	LIGHTING LUMINAIRE SYMBOL TYPE. REFER TO LUMINAIRE SCHEDULE
A-XX	INDICATES PANEL DESCRIPTION & CIRCUIT NUMBERS

LIGHTING GENERAL NOTES:

1. PROVIDE NEW SWITCHES AND SWITCH COVERS. COLOR SHALL BE WHITE
2. EMERGENCY BATTERY UNITS AND EXIT SIGNS SHALL BE CONNECTED TO THE NORMAL LIGHTING CIRCUIT AHEAD OF ANY SWITCH
3. ELECTRICAL CONTRACTOR SHALL PACE OIL/BATTERY LIGHTING AFTER RACK IS SET.
4. ELECTRICAL CONTRACTOR SHALL ADD 5'-0" WHIPS ON ALL MERCHANDISE AREA LIGHT FIXTURES. WHIPS SHOULD BE IN A VERTICAL COIL TIED OFF TO THE PANEL POINTS OF THE JOISTS. THE COIL SHOULD BE UNIFORM AND IN THE SAME LOCATION REATIVE TO THE OTHER LIGHT FIXTURES IN THAT ROW.
5. SUSPENDING LIGHT FIXTURE HEIGHTS ABOVE FINISH FLOOR MAY VARY AND WILL BE BASED ON EXISTING OVERHEAD CLEARANCES. VERIFY ALL HEIGHT VARIATIONS WITH AAP CM/ARCHITECT PRIOR TO INSTALLING FIXTURES. LIGHT FIXTURE PREFERRED HEIGHT IS 14-'0" AFF. MOUNT AS HIGH AS POSSIBLE ELSEWHERE NOT TO EXCEED 14'-0" A.F.F..
6. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONDUITS & CIRCUITING OF LIGHTING BACK TO PANELS. FINAL HOOK TO TIME CLOCK / EMS PANEL BY ELECTRICAL CONTRACTOR.
7. LIGHTING SHALL BE INSTALLED DOWN CENTER OF AISLES.
8. WHERE EXTERIOR BUILDING MOUNTED LIGHTING OCCURS, RUN THE CONDUIT AT THE JOIST SPACE HEIGHT AND FEED DOWN TO EACH LIGHT JUNCTION BOX.
9. MOUNT EMERGENCY LIGHTING TO BOTTOM OF JOIST.
10. CONTRACTOR IS TO CAREFULLY REMOVE EXISTING LIGHTS IN ADVANCE AUTO PARTS SPACE AND TURN OVER TO ANDLORD'S CONTRACTOR
11. ALL WIRING INDICATED ON THIS PAN TO BE MINIMUM #10AWG.
12. LIGHTING SYSTEMS SHALL BE TESTED TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION. TEST MUST BE DEMONSTRATED IN PRESENCE OF AAP AND BUILDING OWNER.

LUMINAIRE SCHEDULE
(ALL LUMINARIES MAY NOT NECESSARILY BE USED ON PROJECT)

TYPE	QTY.	MANUFACTURER	MODEL NUMBER	AMPS PER FIXTURE NO.	OSRAM/SYAVANIA TYPE	WATTS	VOLTAGE	COLOR	MOUNTING	REMARKS
A	303	US LED	ST1-4-UNV-4-27A-35-GL-DE-TWS1	2	(2) 27.9W LED LIGHT STRIPS	56	120	WHITE	14'-0" A.F.F.	NOTES 1,2,3,10
EL	37	LITHONIA	ELM6L-LIVOLT-6LTP-SDRT	2	(2) 5.3 WATT LED INCLUDED	10.6	120V	WHITE	14'-0" A.F.F. OR MATCH GENERAL LIGHTING	NOTE 6
ELU	0	LITHONIA	ELMRES*P110OLT	2	(2) 5.3 WATT LED INCLUDED	10.6	120V	WHITE	14'-0" A.F.F. OR MATCH GENERAL LIGHTING	CONNECT REMOTE FIXTURES TO EL FIXTURE, NOTE 6
R	7	US LED	GTR2-11EH-35-80-UNV2-S	1	LED	27.5	120/277	WHITE	8'-0" A.F.F. @ RESTROOM // 12'-0" @ VESTIBULE	NOTES 1,2,3
WW	0	LITHONIA	DSXW1 LED 10C 350 50K T3M MVOLT DSSXD	1	LED	13.21	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNTG HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
WW	0	LITHONIA	DSXW1 LED 10C 350 50K T3M 120 PE DSSXD	1	LED	13.21	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNTG HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
WW	10	LITHONIA	DSXW1 LED 20C 700 50K T3M MVOLT DSSXD	1	LED	47	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNTG HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
XL	12	LITHONIA	LHQMSWRGM/VOLTHO	-	LED - INCLUDED	3	120/277	WHITE W/ RED LETTERS	SALES AREA MNT @ 9'-0" AT EXITING DOOR MOUNT ABOVE DOOR	NOTES 1,2,7
XU	5	LITHONIA	ELMRW LP220L DWHXD (White)	-	5.4W AMPS INCLUDED	12	120/277		REFER TO ARCH. ELEV. FOR MNTG HT'S	CONNECT REMOTE FIXTURES TO "XL". NOTE 7
Q	0	LITHONIA	WMCL4	-	LED - INCLUDED	19	120	DARK BRONZE	UP/DOWN LIGHT - REPLACE EXISTING	NOTES 1
EV	0	EXISTING	EXISTING LIGHT FIXTURE. PROVIDE NEW CIRCUIT SHOWN. PROVIDE LED RETROFIT	1	LED 7200 LUMENS, 3500K	44	277V	WHITE	LAY-IN @ EXISTING CEILING	NOTES 9

LIGHT FIXTURE SCHEDULE NOTES:

1. ELEC. SHALL FURNISH AND INSTALL ALL LUMINARIES AND AMPS AS SPECIFIED. LUMINARIES AND AMPS SHALL BE ORDERED THROUGH ADVANCE AUTO PARTS NATIONAL ACCOUNT. REFER TO RESPONSIBILITY MATRIX SHEET T1 FOR ORDERING INFORMATION.
2. ELEC. SHALL BE RESPONSIBLE TO SUPPORT LIGHT FIXTURES WITH UNISTRUT THAT IS INSTALLED TO ALLOW FOR ADJUSTMENT OF LIGHT FIXTURES AFTER FIXTURES ARE INSTALLED. LIGHT FIXTURES SHALL BE INSTALLED AS DIRECTED. E.C. IS TO MAKE MINOR ADJUSTMENTS TO CENTER LIGHTING ON AISLES AFTER THE MERCHANDISE FIXTURES ARE SET.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PAN FOR EXACT LOCATION OF ALL LUMINARIES.
4. IN "STAGING" DIRECT MOUNT FIXTURE BELOW STRUCTURE, KEEP AS HIGH AS POSSIBLE.
5. J-BOXES SHALL BE MOUNTED ON INTERIOR OF CMU ABOVE CEILING, CONDUIT SHALL BE CONCEALED IN CMU TO FIXTURE ON EXTERIOR.
6. MAXIMUM OF TWO (2) TYPE "EU" (4 INDIVIDUAL REMOTE HEADS) MAY BE CONNECTED TO A SINGLE TYPE "EL" UNIT.
7. MAXIMUM OF TWO (2) TYPE "XU" (4 INDIVIDUAL REMOTE HEADS) MAY BE CONNECTED TO A SINGLE TYPE "XL" UNIT.
8. FOR USE WHEN RESTROOM EMERGENCY LIGHTS ARE REQUIRED BY LOCAL CODE.
9. EXISTING LIGHT FIXTURE TO REMAIN. PROVIDE NEW LED TUBE LAMPS.
10. PROVIDE 5' WHIPS ON FIXTURES "A" LIGHT FIXTURES TO ALLOW ELECTRICIAN TO ADJUST FINAL LOCATION AFTER STORE FIXTURES ARE SET. (SEE LIGHT FIXTURE SCHEDULE NOTE 2 ABOVE AND DETAIL 2 ON THIS SHEET) WHIPS SHOULD BE IN A VERTICAL COIL TIED OFF TO THE PANEL POINTS OF THE JOISTS. THE COIL SHOULD BE UNIFORM AND IN THE SAME LOCATION REATIVE TO THE OTHER LIGHT FIXTURES IN THAT ROW.

1 / E3 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH PLAN NORTH

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BALLWIN, MO 63011

REV	DATE	DESCRIPTION
		REVISIONS

DATE: 08-13-26
GROSS SQ. FT.: 40,278 S.F.
PROJECT #: 26-0117764
DRAWN BY: NTB
CHECK BY: TWD

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FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION
Q1-26

ELECTRICAL LIGHTING PLAN

E3

THIS IS AN EXISTING COMMERCIAL GRADE SWITCHPANEL. CONTRACTOR TO PROVIDE ALL NEW FUSES SHOWN.

MAIN LUG ONLY: 1200 AMPS
MAIN CIRCUIT BREAKER: -- AMPS
PANEL: MDP
277/480V 3PH,4W
AIC RATING: 65,000 AMPS

LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD
MISC., EX. PANEL AC	78.6	40/3	1				2	200/3	6.4	LTS., EX. PANEL L
*	78.6	*	*				*	*	8	*
*	78.6	*	*				*	*	6.9	*
MISC., EX. XFMR TA & PANELS	5	100/3	3				4	100/3	10	MISC., EX. XFMR TB & PANELS
*	5	*	*				*	*	10	*
*	5	*	*				*	*	10	*
	A PHASE = 100				B PHASE = 102			C PHASE = 101		

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	21.3	x	1.25	=	26.625
RECEPT	0	x	1.00	=	0
MISC EQUIP	45	x	1.00	=	45
A/C	235.8	x	1.00	=	235.8
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	302.1 KVA				307.4 KVA

* PER N.E.C. 220-44 369.9 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
HM = PROVIDE HIGH MAGNETIC CIRCUIT BREAKER. FURNISH NEW BY ELECTRICAL CONTRACTOR.
** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE SWITCHPANEL. CONTRACTOR TO PROVIDE ALL NEW FUSES SHOWN.

MAIN LUG ONLY: 400 AMPS
MAIN CIRCUIT BREAKER: -- AMPS
PANEL: AC
120/208V 3PH,4W
AIC RATING: 50,000 AMPS

LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD
AC., NEW ROOF TOP UNIT #1	7.76	35/3	1				2	30/3	6.37	AC., NEW ROOF TOP UNIT #2
*	7.76	*	*				*	*	6.37	*
*	7.76	*	*				*	*	6.37	*
AC., NEW ROOF TOP UNIT #3	7.76	35/3	3				4	35/3	7.76	AC., NEW ROOF TOP UNIT #4
*	7.76	*	*				*	*	7.76	*
*	7.76	*	*				*	*	7.76	*
AC., NEW ROOF TOP UNIT #5	7.76	35/3	5				6	35/3	7.76	AC., NEW ROOF TOP UNIT #6
*	7.76	*	*				*	*	7.76	*
*	7.76	*	*				*	*	7.76	*
AC., NEW ROOF TOP UNIT #7	6.37	30/3	7				8	40/3	9.70	AC., NEW ROOF TOP UNIT #8
*	6.37	*	*				*	*	9.70	*
*	6.37	*	*				*	*	9.70	*
SPARE	0	60/3	9				10	60/3	8.50	MISC., EX. TRASH COMPACTOR EX
*	0	*	*				*	*	8.50	*
*	0	*	*				*	*	8.50	*
AC., NEW ROOF TOP UNIT #9	6.10	25/3	11				12	15/3	2.77	AC., NEW ROOF TOP UNIT #10
*	6.10	*	*				*	*	2.77	*
*	6.10	*	*				*	*	2.77	*
SPARE	0	30/3	13				14	30/3	0	SPARE
*	0	*	*				*	*	0	*
*	0	*	*				*	*	0	*
	A PHASE = 78.6				B PHASE = 78.6			C PHASE = 78.6		

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	0	x	1.25	=	0
RECEPT	0	x	1.00	=	0
MISC EQUIP	25.5	x	1.00	=	25.5
A/C	181.2	x	1.00	=	181.2
HEATING	0	x	1.00	=	0
LARGEST MOTOR	29.1	x	1.25	=	36.38
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	235.8 KVA				243.1 KVA

* PER N.E.C. 220-44 292.5 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
HM = PROVIDE HIGH MAGNETIC CIRCUIT BREAKER. FURNISH NEW BY ELECTRICAL CONTRACTOR.
** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE PANELBOARD. CONTRACTOR TO PROVIDE ALL NEW BREAKERS SHOWN.

MAIN LUG ONLY: 200 AMPS
MAIN CIRCUIT BREAKER: -- AMPS
PANEL: L
277/480V 3PH,4W
AIC RATING: AMPS

	LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD	
**	LTS., 50% CUSTOMER	1.57	20/1	1				2	20/1	0.50	LTS., EXIT SIGNS / EM LIGHTS	LO
**	LTS., 50% EMPLOYEE	1.57	20/1	3				4	20/1	1.50	LTS., NIGHT LIGHTS	LO
**	LTS., 50% CUSTOMER	1.79	20/1	5				6	20/1	0.80	LTS., REAR STAFF AREAS	
**	LTS., 50% EMPLOYEE	1.79	20/1	7				8	20/1	0.50	LTS., EXTERIOR WALLPACKS	**
**	LTS., 50% CUSTOMER	1.34	20/1	9				10	20/1	1.20	LTS., EXTERIOR SIGN #1	**
**	LTS., 50% EMPLOYEE	0.90	20/1	11				12	20/1	1.20	LTS., EXTERIOR SIGN #2	**
**	LTS., 50% CUSTOMER	0.90	20/1	13				14	20/1	0.50	LTS., EXTERIOR CANOPY	**
**	LTS., 50% EMPLOYEE	1.00	20/1	15				16	20/1	0	SPARE	
**	LTS., 50% CUSTOMER	0.84	20/1	17				18	20/1	0	SPARE	
**	LTS., 50% EMPLOYEE	0.67	20/1	19				20	20/1	0	SPARE	
**	LTS., 50% CUSTOMER	1.40	20/1	21				22	20/1	0	SPARE	
**	LTS., 50% EMPLOYEE	1.40	20/1	23				24	20/1	0	SPARE	
	SPARE		20/1	25				26	20/1	0	SPARE	
	SPARE		20/1	27				28	20/1	0	SPARE	
	SPARE		20/1	29				30	20/1	0	SPARE	
	SPARE		20/1	31				32	20/1	0	SPARE	
	SPARE		20/1	33				34	20/1	0	SPARE	
	SPARE		20/1	35				36	20/1	0	SPARE	
	SPARE		20/1	37				38	125/3	0	TRANSFORMER TA / PANEL LA	
	SPARE		20/1	39				40	*	0	*	
	SPARE		20/1	41				42	*	0	*	
		A PHASE = 6.4				B PHASE = 8.0			C PHASE = 6.9			

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	21.4	x	1.25	=	26.7
RECEPT	0	x	1.00	=	0
MISC EQUIP	0	x	1.00	=	0
A/C	0	x	1.00	=	0
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	21.4 KVA				21.7 KVA

* PER N.E.C. 220-44 32.1 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
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EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE PANELBOARD. CONTRACTOR TO PROVIDE ALL NEW BREAKERS SHOWN.

MAIN LUG ONLY: -- AMPS
MAIN CIRCUIT BREAKER: 150 AMPS
PANEL: A (SECTION 1)
120/208V 3PH,4W
AIC RATING: 10,000 AMPS

	LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD		
	MISC., N. WATER HEATER	2	30/1	1				2	20/1	0.2	MISC., LIGHTING CONTROLS	LO	EX
EX	HAND DRYER	0	20/1	3				4	20/1	0.2	MISC., EMS CONTROL PANEL	LO	EX
EX	HAND DRYER	0	20/1	5				6	20/1	0	SPARE		EX
EX	HAND DRYER	0	20/1	7				8	20/1	0	SPARE		EX
EX	RESTROOM RECS	0	20/1	9				10	20/1	0	SPARE		EX
**	EX	BREAK AREA REFRIGERATOR	0	20/1	11				12	20/1	0	SPARE	EX
**	EX	BREAK AREA MICROWAVE	0	20/1	13				14	20/1	0	SPARE	EX
EX	BREAK AREA COFFEE	0	20/1	15				16	20/1	1.00	REC., ROOF TOP EQUIPMENT		EX
EX	BREAK AREA REC'S	0	20/1	17				18	20/1	0	SPARE		EX
EX	VENDING MACHINE	0	20/1	19				20	20/1	0	SPARE	EX	EX
EX	VENDING MACHINE	0	20/1	21				22	20/1	0	SPARE	EX	EX
EX	OFFICE REC'S	0	20/1	23				24	20/1	0	SPARE	EX	EX
EX	OFFICE REC'S	0	20/1	25				26	20/1	0	SPARE	EX	EX
EX	SPARE	0	20/1	27				28	20/1	0	SPARE	EX	EX
EX	SPARE	0	20/1	29				30	20/1	0	SPARE	EX	EX
		A PHASE = 2.2				B PHASE = 1.2			C PHASE = 1.0				

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	0	x	1.25	=	0
RECEPT	2	x	1.00	=	2
MISC EQUIP	2	x	1.00	=	2
A/C	0	x	1.25	=	0
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	4.4 KVA				4.4 KVA

* PER N.E.C. 220-44 0 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
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** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE PANELBOARD. CONTRACTOR TO PROVIDE ALL NEW BREAKERS SHOWN.

MAIN LUG ONLY: -- AMPS
MAIN CIRCUIT BREAKER: 150 AMPS
PANEL: A (SECTION 2)
120/208V 3PH,4W
AIC RATING: 10,000 AMPS

LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD	
EX SPARE	0	20/1	31				32	20/1	0	EX. FIRE ALARM PANEL	LO
EX SPARE	0	20/1	33				34	20/1	0	SPARE	
EX SPARE	0	20/1	35				36	20/1	0	SPARE	
EX SPARE	0	20/1	37				38	20/1	0	SPARE	
EX SPARE	0	20/1	39				40	20/1	0	SPARE	
EX SPARE	0	20/1	41				42	20/1	0	SPARE	
EX SPARE	0	20/1	43				44	20/1	0	SPARE	
EX SPARE	0	20/1	45				46	20/1	0	SPARE	
EX SPARE	0	20/1	47				48	20/1	0	SPARE	
EX SPARE	0	20/1	49				50	30/3	0	EXISTING UNIT HEATER - TBD	
EX SPARE	0	20/1	51				52	*	0	*	
EX SPARE	0	20/1	53				54	*	0	*	
EX SPARE	0	20/1	55				56	30/3	0	EXISTING UNIT HEATER - TBD	
EX SPARE	0	20/1	57				58	*	0	*	
EX SPARE	0	20/1	59				60	*	0	*	
	A PHASE = 0				B PHASE = 0			C PHASE = 0			

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	0	x	1.25	=	0
RECEPT	0	x	1.00	=	0
MISC EQUIP	0	x	1.00	=	0
A/C	0	x	1.25	=	0
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	0 KVA				0 KVA

* PER N.E.C. 220-44 0 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
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** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE PANELBOARD. CONTRACTOR TO PROVIDE ALL NEW BREAKERS SHOWN.

MAIN LUG ONLY: -- AMPS
MAIN CIRCUIT BREAKER: 150 AMPS
PANEL: B (SECTION 1)
120/208V 3PH,4W
AIC RATING: 10,000 AMPS

LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD	
REC., MGR DESK PRINTER	0.6	20/1	1				2	20/1	0.8	REC., HUB COUNTER	IG/LO IG/LO
REC., MGR DESK DATA	0.6	20/1	3				4	20/1	0.8	REC., HUB COUNTER	IG/LO IG/LO
REC., MGR DESK SOUND	0.6	20/1	5				6	20/1	1.0	REC., HUB COUNTER PTR	IG/LO IG/LO
REC., MGR DESK COMP.	1.2	20/1	7				8	20/1	0.8	REC., HUB COUNTER	IG/LO
SPARE	0	20/1	9				10	20/1	0	SPARE	
LO REC., SALES AREA	0.3	20/1	11				12	20/1	0.8	REC., COMM COUNTER	IG/LO
REC., ALTISTARTER TESTER	1.4	20/1	13				14	20/1	0.8	REC., COMM COUNTER	IG/LO
REC., BATTERY FAST CHGR.	1.0	20/1	15				16	20/1	1.0	REC., COMM COUNTER PTR	IG/LO
REC., BATTERY CHGR STA	0.2	20/1	17				18	20/1	0.8	REC., COMM COUNTER	IG/LO
REC., WORKBENCH	0.2	20/1	19				20	20/1	0.8	REC., COMM COUNTER	IG/LO
SPARE	0	20/1	21				22	20/1	0.8	REC., COMM COUNTER	IG/LO
REC., SHOW WINDOWS	0.5	20/1	23				24	20/1	1.0	REC., COMM COUNTER PTR	IG/LO
LO REC., EAS TOWER	0.2	20/1	25				26	20/1	0	SPARE	
REC., GREETER MONITOR	0.4	20/1	27				28	20/1	0.8	REC., CHECKOUT COUNTER	IG/LO
MISC., AC-1 UNIT	0.96	20/1	29				30	20/1	0.8	REC., CHECKOUT COUNTER	IG/LO
	A PHASE = 6.8				B PHASE = 5.4			C PHASE = 6.9			

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	0	x	1.25	=	0
RECEPT	18.1	x	1.00	=	18.1
MISC EQUIP	0.96	x	1.00	=	0.96
A/C	0	x	1.25	=	0
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	19.0 KVA				19.0 KVA

* PER N.E.C. 220-44 52.9 AMPS

LO = PROVIDE UL LISTED SCREW DOWN BREAKER LOCK-ON DEVICE. BY ELECT. CONTRACTOR
HM = PROVIDE HIGH MAGNETIC CIRCUIT BREAKER. FURNISH NEW BY ELECTRICAL CONTRACTOR.
** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

THIS IS AN EXISTING COMMERCIAL GRADE PANELBOARD. CONTRACTOR TO PROVIDE ALL NEW BREAKERS SHOWN.

MAIN LUG ONLY: -- AMPS
MAIN CIRCUIT BREAKER: 150 AMPS
PANEL: B (SECTION 2)
120/208V 3PH,4W
AIC RATING: 10,000 AMPS

LOAD	KVA	C/B	CKT	A	B	C	CKT	C/B	KVA	LOAD	
REC., CHECKOUT COOLER	0.7	20/1	31				32	20/1	0.5	MISC., FIRE ALARM PANEL	LO
REC., CHECKOUT COUNTER	0.8	20/1	33				34	20/1	0.6	MISC., TELEPHONE / SECURITY	IG/LO
REC., CHECKOUT COUNTER	0.8	20/1	35				36	20/1	0.4	MISC., HUB CABINET	
SPARE	0	20/1	37				38	20/1	0.2	REC., IRRIGATION EQUIP	
SPARE	0	20/1	39				40	20/1	0.6	REC., WATER COOLER	
SPARE	0	20/1	41				42	20/1	0.2	REC., EXTERIOR OUTLET	
SPARE	0	20/1	43				44	20/1	0.6	REC., FLOOR CLEANER	
SPARE	0	20/1	45				46	20/1	0.5	MISC., EXHAUST FAN #1	**
SPARE	0	20/1	47				48	20/1	0.5	MISC., EXHAUST FAN #2	**
SPARE	0	20/1	49				50	20/1	0	SPARE	
SPARE	0	20/1	51				52	20/1	0	SPARE	
SPARE	0	20/1	53				54	20/1	0	SPARE	
SPARE	0	20/1	55				56	20/1	0	SPARE	
SPARE	0	20/1	57				58	20/1	0	SPARE	
SPARE	0	20/1	59				60	20/1	0	SPARE	
	A PHASE = 2.5				B PHASE = 2.5			C PHASE = 1.9			

SERVING	CONN LOAD		DIVERSITY FACTOR		DEMAND
LIGHTING	0	x	1.25	=	0
RECEPT	3.9	x	1.00	=	3.9
MISC EQUIP	3.0	x	1.00	=	3.0
A/C	0	x	1.25	=	0
HEATING	0	x	1.00	=	0
LARGEST MOTOR	0	x	1.25	=	0
OTHER MOTORS	0	x	1.00	=	0
OTHER	0	x	1.00	=	0
SPARE					
TOTALS	6.9 KVA				6.9 KVA

* PER N.E.C. 220-44 19.2 AMPS

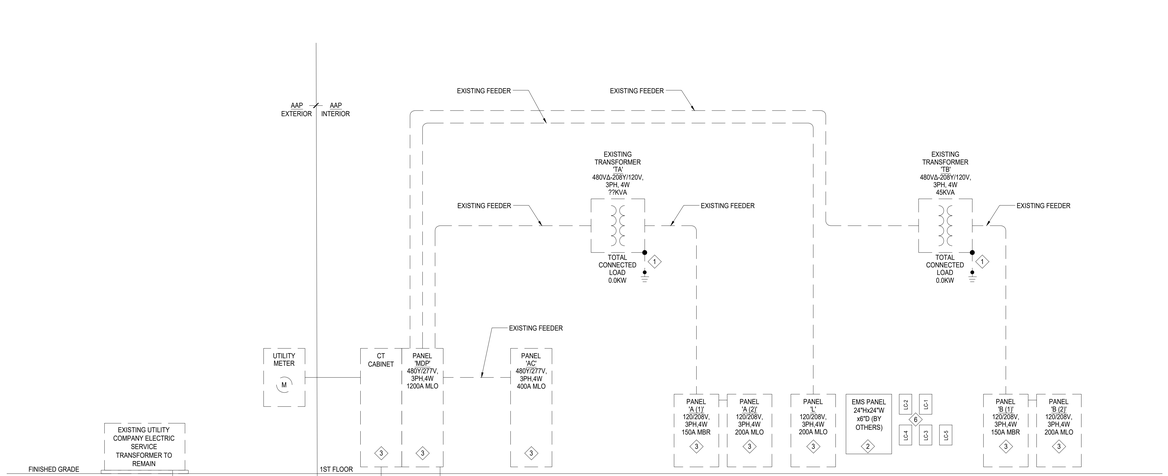
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** = CIRCUIT CONTROLLED BY EMS CONTACTORS
EX = EXISTING EQUIPMENT, ESTIMATED LOAD.

NOTE:
G.C. TO MINIMIZE CONDUIT OBSTRUCTION ON SURFACE OF PLYWOOD.

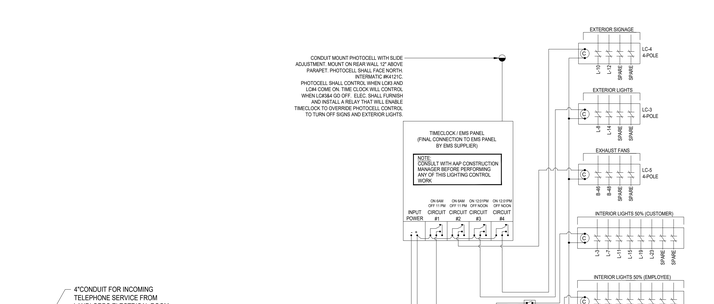
KEYED NOTES

1. EXISTING ELECTRICAL SERVICE GROUND TO REMAIN. ELECTRICAL CONTRACTOR SHALL VERIFY GROUND CONTINUITY AND THAT IT IS IN COMPLIANCE WITH NEC ARTICLE 250.
2. EMS PREFAB PANEL, SUPPLIED AND INSTALLED BY AAP VENDOR, CRS. E.C. TO LEAVE 24"X24" SPACE NEXT TO LIGHTING PANEL FOR EMS PANEL.
3. ELECTRIC PANELBOARD/DISCONNECT IS EXISTING TO REMAIN. TEST AND RELABEL EXISTING EQUIPMENT TO BE REUSED PER NEC 110.21. REMOVE ANY REFERENCES TO EXISTING EQUIPMENT THAT HAS BEEN REMOVED.
4. INSTALL DUPLEX RECEPTACLE (FOR IRRIGATION TIMER) & QUADRAPLEX RECEPTACLES (FOR TELEPHONE/SECURITY) 6" APART FOR TELEPHONE AND SECURITY EQUIPMENT. IT IS CRITICAL THAT THESE RECEPTACLES BE SEPARATE. EACH PROVIDED WITH A DEDICATED I.G. CIRCUIT.
5. 2'x4' BACKBOARD (30" MIN. ABOVE BOTTOM OF PHONEBOARD) W/PHONE EQUIPMENT TO BE MOUNTED TO 4'x10' PHONEBOARD. LOCATE ON PHONEBOARD AS INDICATED. FINAL LOCATION OF ALL EQUIPMENT MUST BE REVIEWED AND APPROVED BY OWNER PRIOR TO ANY WORK BEING PERFORMED.
6. LIGHTING CONTACTORS FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR. CONTACTORS SHALL HAVE 120 VOLT COIL, ELECTRICALLY HELD, NC CONTACTS IN NEMA 1 ENCLOSURE. GE TYPE CR460L OR APPROVED EQUAL UL LISTED LIGHTING CONTACTORS.
7. DUCT SMOKE DETECTOR REMOTE TEST STATIONS. SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
8. RTU THERMOSTATS MOUNTED ON PHONE BOARD AT 4'-0" AFF IN NUMERICAL ORDER LEFT TO RIGHT AS INDICATED. COORDINATE WITH MECHANICAL INSTALLER.
9. FIRE ALARM PANEL AND J BOX MOUNTED ABOVE PHONE BOARD. J BOX BY EC. FIRE ALARM PANEL BY FIRE ALARM VENDOR. NOTE FIRE ALARM PANEL WILL BE WIRED TO PANEL A WITH INDICATED CIRCUIT AS PER E1 DRAWING. PROVIDE LOCAL AHU LOCKOUT DEVICE ON BREAKER.
10. LOCATION OF FUTURE FIRE ALARM DOCUMENTS BOX.
11. DISCONNECT AND REMOVE EXISTING EQUIPMENT. REMOVE ALL ASSOCIATED ELECTRICAL MATERIALS BACK TO SOURCE.
12. E.C TO PROVIDE AND INSTALL NEW ELECTRIC PANELBOARDS PER SINGLE LINE AND SCHEDULES. PROVIDE LABES AND TYPED SCHEDULE.

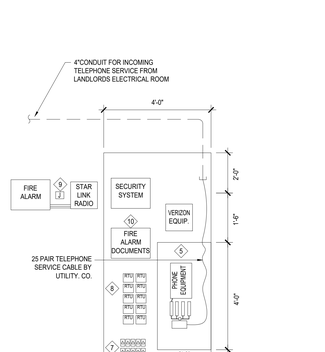
1 / E4 ELECTRICAL PANEL SCHEDULES
SCALE N.T.S.



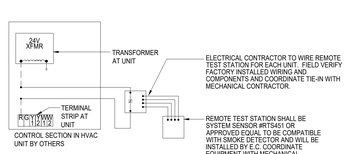
1 / E4 INCOMING UTILITY SERVICES RISER DIAGRAM
SCALE N.T.S.



3 / E4 LIGHTING CONTROL WIRING DIAGRAM
SCALE N.T.S.



4 / E4 TELECOM BOARD LAYOUT
SCALE N.T.S.



NOTES:
A. DUCT DETECTOR SHALL BE FACTORY INSTALLED. TEST STATIONS, WIRING & CONNECTION BY ELECTRICAL CONTRACTOR.
B. REMOTE TEST STATION SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO SHEET E1 FOR MOUNTING INFORMATION.
C. ALL EQUIPMENT & WIRING SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

2 / E4 HVAC CONTROL WIRING SCHEMATIC
SCALE NOT TO SCALE

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ARCHITECTURE | ENGINEERING | INTERIORS
2424 E. Dempster St. Suite 202
Des Plaines, IL 60016
P (847) 699-8300 F (847) 390-8130
www.camburas-theodore.com

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STORE #8547
13961 MANCHESTER ROAD
BALLWIN, MO 63011

REV	DATE	DESCRIPTION

REVISIONS

DATE: 08-13-26
GROSS SQ. FT.: 40,278 S.F.
PROJECT #: 3NA017764
DRAWN BY: NTB
CHECK BY: TWD

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Q1-26

ELECTRICAL PANEL SCHEDULES & RISER DIAGRAM

E4

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: AAP - Ballwin
Project Type: Alteration

Construction Site:
13961 Manchester Road
Ballwin, Missouri 63011

Owner/Agent:
ADAM SHROYER
ADVANCE AUTO PARTS, INC.
1336 PLANTATION ROAD NE
ROANOKE, Virginia 24012

Designer/Contractor:
NICHOLAS BLOORE
CAMBURAS THEODORE LTD
2454 EAST DEMPSTER STREET,
SUITE 202
DES PLAINES, Illinois 60016

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Sales areas (Retail)	38659	1.06	40978
		Total Allowed Watts =	40979

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Sales areas (Retail, 38659 sq.ft.)				
LED: A: New LED Linear: Other:	1	303	56	16968
LED: R: 2x2 LED Panel: Other:	1	7	28	196
		Total Proposed Watts =		17164

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Nicholas Bloore - Electrical
Name - Title

N Bloore
Signature

07/28/2026
Date

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR41]†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment that are designed, including exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22]†	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18]†	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office area, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19]†	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20]†	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2.1, C405.2.2.2 [EL21]†	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23]†	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26]†	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27]†	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6]†	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26]†	Low-voltage dry-tyope distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27]†	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405-7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28]†	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29]†	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]†	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.4.1 [FI18]†	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C408.1.1 [FI57]†	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI16]†	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33]†	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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2454 E. Dempster St. Suite 202
Des Plaines, IL 60016
P (847) 699-2222 F (847) 390-8130
www.camburas@earthlink.com

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REVISIONS		
REV.	DATE	DESCRIPTION

DATE: 08-13-26
GROSS SQ. FT.: 40,278 S.F.

PROJECT # 26-0717764
DRAWN BY: NTB
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E5