Advance Auto Parts

7615 Lindbergh Blvd.
Philidelphia, PA. 19153

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
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	ALL REQUIRED ANCHORING AND SHORING IS THE RESP. OF THE AAP FIXTURE INSTALLATION TEAM.
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	EX.	EX.	E.C. TO ENSURE PROPER WORKING ORDER OF ELECTRICAL CIRCUIT FOR EXISTING PYLON SIGN.
1 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@PPG.COM, MOBILE, (317) 318-5800
LOW VOLTAGE CABLES (VOICE, DATA, SPEAKERS)	AAP	AAP	AAP VENDOR TO FURNISH & INSTALL ALL CABLES AND SECURE ALL PERMITS
ROOFING (MATERIAL)	EX.	EX.	G.C. TO COORDINATE ANY REQUIRED PATCHING AND/OR REPAIRS TO THE EXIST. ROOF MEMBRANE WITH THE LANDLORD'S C.M.
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
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:540-589-2798 MICHAELMAYO@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.

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. N/A
   - 7.5. N/A
   - 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. N/A
11. LOCKBOX CODE FOR SPACE SHOULD BE LAST 4 DIGITS OF THE STORE NUMBER. COORDINATE WITH AAP CM.

PROJECT DIRECTORY

OWNER: ADVANCE AUTO PARTS, INC.

ADDRESS: 5008 AIRPORT ROAD N.W. ROANOKE, VA 24012
CONTACT: ASHTON QUINTIN ASHTON.QUINTIN@ADVANCEAUTO.COM

ARCHITECT:

ADDRESS: JOEL TORIELLI PA RA-404123 - EXP. 06/30/27 422 BOGERT AVE RIDGEWOOD, NJ 07450

PROJECT CONTACT:

PROJECT CONTACT: TONY CRAWFORD
PHONE: 614-436-0100
EMAIL: tcrawford@cg2mstudios.com

MEP ENGINEER:

POINT ONE DESIGN, LTD.
ADDRESS: 2800 CORPORATE EXCHANGE DR., #270 COLUMBUS, OH 43231
PHONE: 614-540-3500
FAX: 614-540-3502
EMAIL: VELLETT@POINTONEDESIGN.CO
CONTACT: VIRGIL ELLETT

PLANNING & ZONING:

ADDRESS: PHILADELPHIA ZONING & USE PERMITS 1500 WALNUT STREET, SUITE 900 PHILADELPHIA, PA 19102
PHONE: 267-996-6464 OR 267-603-2493
WEBSITE: HTTPS://PHILADELPHIAZONING.COM/ZONING-PERMITS
EMAIL: INFO@PHILADELPHIAZONING.COM
CONTACT: JOE CONSOLE - ZONING ATTORNEY

FIRE DEPARTMENT:

ADDRESS: PHILADELPHIA FIRE DEPARTMENT, FIRE MARSHALL 240 SPRING GARDEN ST. PHILADELPHIA, PA 19123
PHONE: 215-686-1300
EMAIL:
CONTACT: JOHN DIMES - FIRE MARSHALL

BUILDING DEPARTMENT:

ADDRESS: PHILADELPHIA DEPARTMENT OF LICENSES AND INSPECTIONS 1401 JOHN F. KENNEDY BLVD.,11TH FLOOR PHILADELPHIA, PA 19102
PHONE: 215-686-8686 OR 215-685-1576
WEBSITE: HTTPS://PHILADELPHIAZONING.COM
EMAIL: INFO@PHILADELPIABUILDING.COM
CONTACT: STAFF

SHEET INDEX

TITLE SHEET
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D2 CEILING DEMOLITION / EXISTING CONDITIONS PLAN
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A2 DOOR SCHED. ENLARGED PLANS AND DTL'S
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A3 MERCHANDISE PLAN
A4 ROOF PLAN AND DETAILS
A5 REFLECTED CEILING PLAN
A6 EXTERIOR ELEVATIONS

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E3 LIGHTING PLAN, SCHEDULE & NOTES
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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 LICENSED FIRE PROTECTION ENGINEER (HIRED BY THE 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.

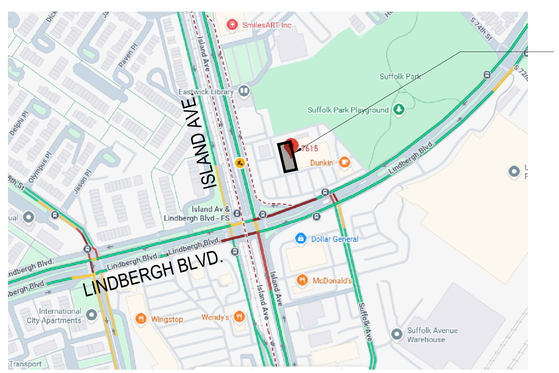
SPECIAL INSPECTIONS NOTE

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

SITE MAP



SCOPE OF WORK

INTERIOR FIT-UP OF PART OF AN EXISTING BUILDING, MODIFYING EXISTING BUILDING SYSTEMS RELATING TO MECHANICAL, PLUMBING, ELECTRICAL AND FIRE SPRINKLERS / FIRE ALARM SYSTEMS.

CODE ANALYSIS

A. BUILDING CRITERIA

BUILDING CODE:	PENNSYLVANIA BUILDING CODE (IBC 2021)
MECHANICAL CODE:	PENNSYLVANIA MECHANICAL CODE (IMC 2021)
ELECTRICAL CODE:	PENNSYLVANIA ELECTRICAL CODE (NFPA 70, 2020)
PLUMBING CODE:	PENNSYLVANIA PLUMBING CODE (IPC 2021)
ENERGY CODE:	PENNSYLVANIA ENERGY CODE (IECC 2021)
FIRE CODE:	PENNSYLVANIA FIRE CODE (IFC 2021)
ACCESSIBILITY CODE:	2010 ADA STANDARDS - ADA 2010 OR ICC, CHAP. A117.1
LOCAL ORDINANCE:	IF APPLICABLE
OCCUPANCY:	MERCANTILE
BUILDING/CONSTRUCTION TYPE:	VB
SPRINKLERED:	YES
FIRE ALARM:	YES
SEISMIC ZONE (DESIGN CATEGORY):	A
SEISMIC ANCHORING REQUIRED:	NO
ALLOWABLE BUILDING AREA:	12,000 SQ. FT.
ACTUAL BUILDING AREA:	8,652 SQ. FT.
SEPARATE FIXTURE PERMIT REQUIRED:	NO
SEPARATE LOW VOLTAGE PERMIT REQUIRED:	YES

B. BUILDING AREA

SALES AREA:	7,717	SQ. FT.
NON-SALES AREA (RESTROOMS):	935	SQ. FT.
TOTAL FLOOR AREA:	8,652	SQ. FT.

C. OCCUPANT LOADING

SALES AREA @ 60/PERSON =	129
NON-SALES AREAS @ 300/PERSON =	4
TOTAL OCCUPANT LOAD=	133

D. EGRESS

EGRESS WIDTH REQUIRED:	36" MIN.
EGRESS WIDTH PROVIDED:	126"
NUMBER OF EXITS REQUIRED:	2
NUMBER OF EXITS PROVIDED:	3

E. PLUMBING FIXTURE COUNT

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

THIS BOX IS FOR ADVANCE AUTO PARTS OFFICE USE ONLY

Q1-26 83x83

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA — STEVEN ERWIN GIORDANO — PRIOR GARANO NO. RA-404123

Steven Erwin Giordano

Advance Auto Parts
7615 Lindbergh Blvd.
Philidelphia, PA. 19153
STORE # 108056

REV	DATE	DESCRIPTION
1	2-23-26	OWNER'S COMMENTS
2	10-30-26	OWNER'S COMMENTS

REVISIONS

DATE: 2-12-26
GROSS SQ. FT.: 8,652 S.F.

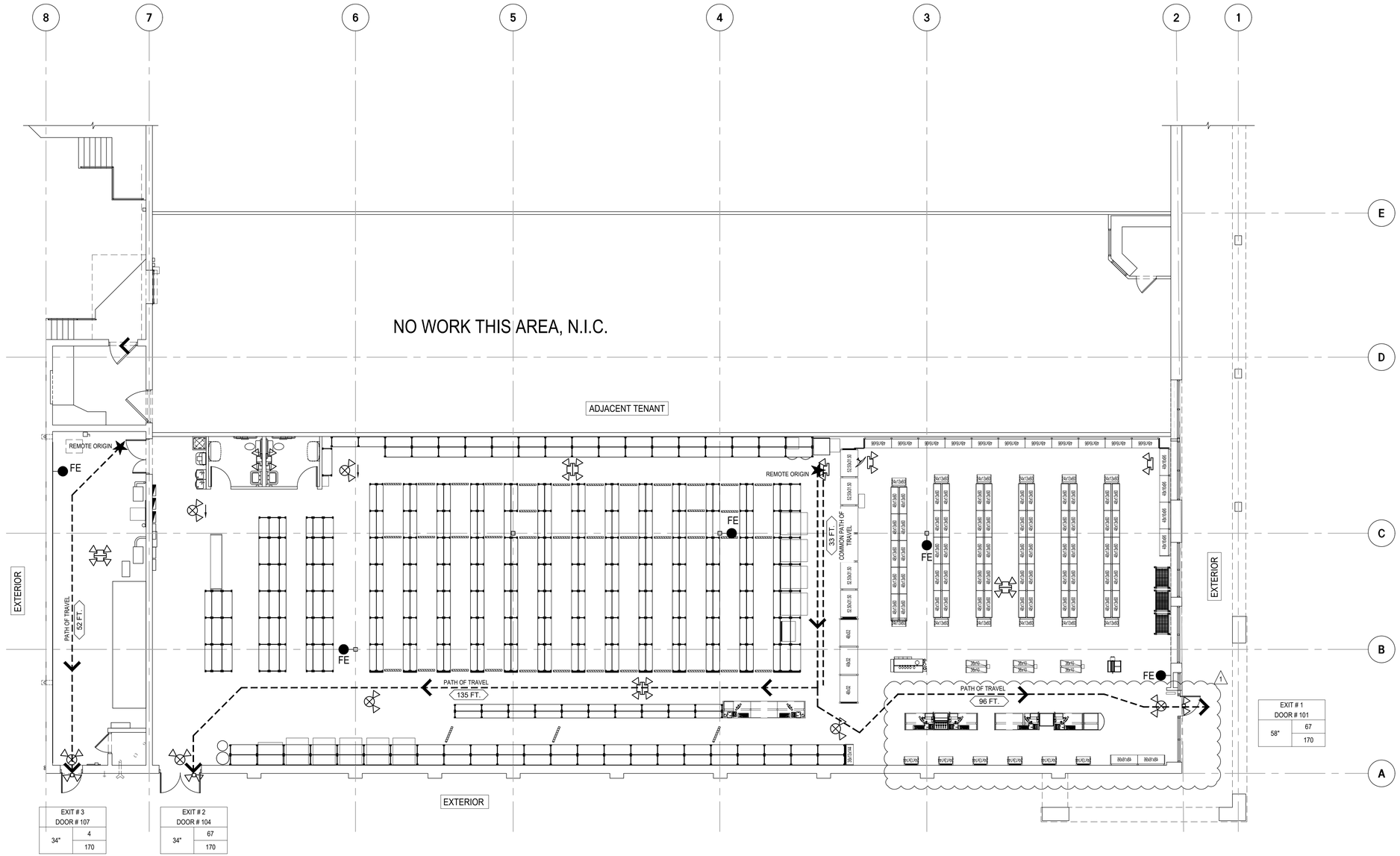
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DRAWN BY: STAFF
CHECK BY: STAFF

VERSION Q1-26 83x83

ALL REPORTS, PLANS, SPECIFICATIONS, FIELD DATA, NOTES AND OTHER DOCUMENTS, INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA, PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR CONSENT OF THE DESIGN PROFESSIONAL. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE, ARE HEREBY SPECIFICALLY RESERVED.

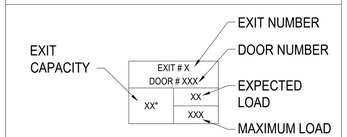
TITLE SHEET

T1



EGRESS PLAN & F.E. PLAN LEGEND
FE - FIRE EXTINGUISHER
EMERGENCY LIGHT
EMERGENCY LT. / EXIT SIGN (COMBO SIGN)
EMERGENCY LIGHT REMOTE HEAD
REMOTE ORIGIN

EGRESS DOOR SYMBOL KEY



1 / T1.1 LIFE SAFETY PLAN - EGRESS & FIRE EXTINGUISHERS

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

PLAN NORTH TRUE NORTH

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA
Steven Bruce Gossard

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS			
REV	DATE	DESCRIPTION	
1	2-20-26	OWNER'S COMMENTS	
2	10-30-26	OWNER'S COMMENTS	

DATE	GROSS SQ. FT.
2-12-26	8,652 S.F.

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LIFE SAFETY PLAN - EGRESS & FIRE EXTINGUISHERS

T1.1

GENERAL DEMOLITION NOTES

ALL WORK TO BE DONE BY TENANTS GENERAL CONTRACTOR AT TENANTS EXPENSE, UNLESS NOTED OTHERWISE.

CONTRACTOR TO VERIFY THAT THIS SPACE IS ASBESTOS FREE.

CONTRACTOR TO COMPLETE ALL DEMOLITION AS NOTED IN PLANS AND SPECIFICATIONS AND REMOVE ALL DEBRIS AND RUBBISH FROM THE PROJECT SITE.

DEMOLITION WORK MAY REQUIRE APPROVAL FROM THE STATE BUILDING DEPARTMENT & ALL INSURANCE PAPERS AS REQUIRED BY THE LANDLORD OF THE BUILDING MUST BE SUBMITTED WITH THE REQUIRED LIMITS OF LIABILITY AND INDICATION OF INSURED PRIOR TO STARTING WORK.

ALL AREAS WHERE DEMOLITION IS TO OCCUR TO BE SECTIONED OFF FROM THE PUBLIC AND ALL REQUIRED SHORING, BARRICADING, AND SCAFFOLDING TO BE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR.

ALL WORK TO BE IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS.

ALL RUBBISH AND DEBRIS TO BE REMOVED FROM THE PROJECT SITE, PER LOCAL CODES.

DEMOLITION CONTRACTOR TO CONTACT ALL UTILITY COMPANY REPRESENTATIVES HAVING JURISDICTION OVER THIS PROJECT TO ASCERTAIN BUILDING AND UTILITY COMPANY LINES ABOVE, WITHIN, OR BELOW THE PREMISES TO AVOID ANY POSSIBILITIES OF CUTTING SUCH LINES, CAUSING EXPLOSIONS, ELECTRICAL OUTAGES, LEAKS, ETC.

ALL ELECTRICAL DEMOLITION TO BE COMPLETED BY A BONDABLE LICENSED ELECTRICIAN.

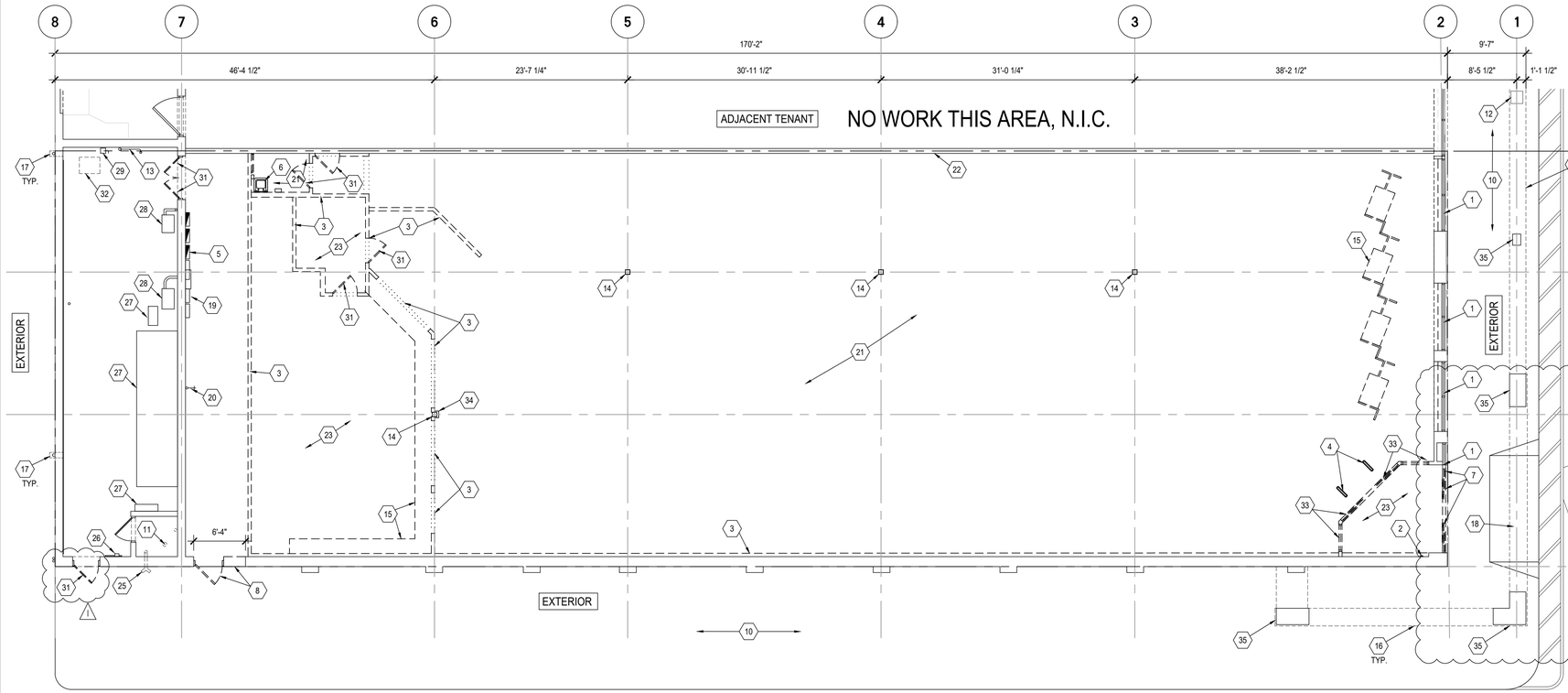
THE WORK SHOWN IS BASED ON BEST AVAILABLE INFORMATION WITH OR WITHOUT USE OF A SURVEY. THE DEMOLITION SUBCONTRACTOR AND/OR GENERAL CONTRACTOR WHEN REVIEWING CONDITIONS TO QUOTE COSTS FOR PERFORMING WORK TO IMMEDIATELY NOTIFY THE CLIENT AND CLIENT'S ARCHITECT OF CONDITIONS DIFFERENT FROM WHAT IS SHOWN.

DEMOLITION WORK TO BE PHASED TO ALLOW PROPER EGRESS FOR WORKMEN IN CASE OF FIRE OR HAZARD AND NO DEMOLITION WORK CAN OCCUR IF THE WORK JEOPARDIZES A MEANS OF EGRESS FOR THE PUBLIC OR PROJECT EMPLOYEES.

ALL LABOR TO BE COMPATIBLE WITH OTHER LABOR COMPLETING WORK IN THE BUILDING (AS APPLICABLE).

MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS TO REMOVE ANY EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PLUMBING FIXTURES, PIPING SYSTEMS, ETC., NOT BEING REUSED - MECHANICAL SUBCONTRACTORS ARE NOT ALLOWED TO LEAVE THESE ITEMS IN PLACE AND ABANDON SUCH ITEMS, BUT MUST REMOVE SAME FROM PROJECT SITE.

THE STRUCTURE OR ITS MODIFICATIONS ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING OR ITS MODIFICATIONS ARE FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND INSURE THE SAFETY OF THE CONSTRUCTION PERSONNEL, PUBLIC, BUILDING AND ITS COMPONENT PARTS, AND ADJACENT BUILDINGS AND PROPERTIES. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY OR PERMANENT SHORING, BRACING, NEEDLING, UNDERPINNING, OR SHEET PILING, ETC. THAT MAY BE NECESSARY TO BRACE NEW CONSTRUCTION, ADJACENT BUILDINGS, EXISTING WALLS, AND FRAMING TO REMAIN SO THAT THE STRUCTURE IS BRACED FOR WIND, SEISMIC, GRAVITY, CONSTRUCTION LOADS, ETC. AND SO THAT NO HORIZONTAL OR VERTICAL SETTLEMENT OR ANY DAMAGE OCCURS TO THE ADJACENT EXISTING STRUCTURES. TEMPORARY SUPPORTS SHALL BE MAINTAINED IN PLACE UNTIL PERMANENT SUPPORTS AND/OR SHORING AND BRACING ARE INSTALLED. DESIGN OF THESE SUPPORTS SHALL BE BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED IN THE EMPLOY OF THE CONTRACTOR.



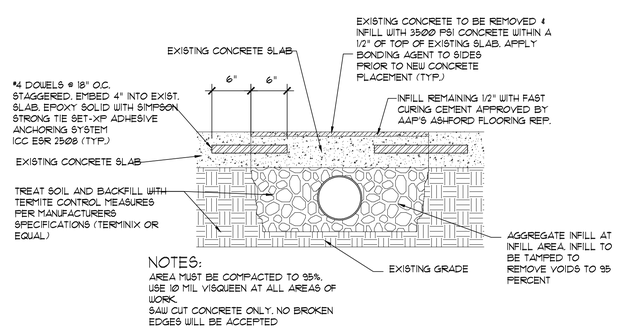
DEMOLITION / EXISTING CONDITIONS FLOOR PLAN KEY NOTES

1. EXISTING ALUMINUM GLAZING STOREFRONT SYSTEM TO REMAIN.
2. EXISTING SECURITY ALARM PAD TO BE REMOVED.
3. DASHED LINES INDICATES EXISTING INTERIOR PARTITIONS AND ROLLING GRILLES & GUIDE CHANNELS TO BE REMOVED.
4. EXISTING SECURITY PEDESTALS TO BE REMOVED.
5. EXISTING ELECTRICAL EQUIPMENT TO REMAIN. SEE ELECTRICAL PLANS FOR SCOPE OF WORK.
6. EXISTING PLUMBING FIXTURES, ACCESSORIES & TOILET PARTITIONS TO BE REMOVED.
7. EXISTING STOREFRONT ALUM. GLAZING SYSTEM W/ SENSOR OPERATED GLASS SLIDING DOORS, SIDE-LITES AND TRANSOM FRAMES ABOVE TO BE REMOVED.
8. EXISTING EXTERIOR MAN DOOR AND PORTION OF EXTERIOR CMU WALL TO BE REMOVED.
9. EXISTING H.C. SIGN PEDESTAL TO REMAIN.
10. EXISTING CONCRETE SIDEWALK AND CURBS TO REMAIN.
11. EXISTING SPRINKLER RISER TO REMAIN.
12. EXISTING U.S.P.S. MAILBOX TO REMAIN.
13. EXISTING DOMESTIC WATER SERVICE PIPING TO REMAIN, G.C. TO COORDINATE WITH C.M.AND LANDLORD FOR CLARIFICATION.
14. EXISTING INTERIOR 7" SQUARE. STEEL COLUMN TO REMAIN
15. EXISTING INTERIOR MILLWORK TO BE REMOVED.
16. EXISTING EXTERIOR COVERED WALKWAY TO REMAIN.
17. EXISTING VERTICAL DOWNSPOUT AND ROOF SCUPPER ABOVE AT ROOF TO REMAIN.
18. EXISTING ACCESSIBILITY COMPLIANT CURB CUT TO REMAIN.
19. EXISTING FIRE ALARM PAD. G.C. TO COORDINATE WITH FIRE ALARM VENDOR FOR REUSE OR REPLACEMENT.
20. EXISTING HOSE BIB SURFACE MTD. ON WALL TO REMAIN.
21. EXISTING VINYL TILE THIS AREA TO BE REMOVED .
22. EXISTING TENANT SEPARATION WALL AND LEASE LINE OF NEW DEMISED SPACE IN CENTER-LINE OF PARTITION.
23. EXISTING CARPET TO BE REMOVED.
24. EXISTING EXTERIOR MAN DOOR TO REMAIN.
25. EXISTING SIAMESE F.D. CONNECTION TO REMAIN.
26. EXISTING ELECTRICAL METER TO REMAIN.
27. EXISTING ELECTRICAL SWITCHGEAR BOX TO REMAIN.
28. EXISTING ELECTRICAL TRANSFORMER TO REMAIN.
29. EXISTING DISCONNECT SWITCH & THERMOSTAT TO REMAIN.
30. N/A
31. EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED.
32. EXISTING UNIT HEATER ABOVE TO REMAIN.
33. EXISTING ALCOVE STOREFRONT FRAMES, DOORS AND PARTITIONS TO BE REMOVED.
34. EXISTING COLUMN ENCLOSURE TO BE REMOVED.
35. EXISTING EXTERIOR FACE-BRICK PIER TO REMAIN.

1 D1 DEMOLITION/EXISTING CONDITIONS PLAN

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

PLAN NORTH TRUE NORTH



2 D1 CONCRETE INFILL DETAIL AT ALL FLOOR OPENINGS.

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

NOTE:
ANY TILE FLOOR THAT IS EXISTING IS TO BE REMOVED BY G.C. PREP FLOOR AS REQUIRED FOR NEW FINISH

NOTE:
NOT ALL ITEMS WERE ABLE TO BE VERIFIED DURING SURVEY. SEE NOTE BELOW REGARDING DISCREPANCIES.

NOTE:
LANDLORD IS TO TURN OVER SPACE TO TENANT WITH ALL EXISTING AMENITIES REMOVED EXCEPT AS NOTED ON THIS SHEET AND THROUGHOUT THE SET. AT THE TIME OF THIS SUBMITTAL, THE WORK LETTER HAD NOT BEEN FINALIZED, SOME EXISTING AMENITIES WERE UNABLE TO BE VERIFIED DURING THE SURVEY AND AT THE TIME THE GC IS AWARDED THE PROJECT THE SCOPE COULD CHANGE. AWARDED G.C. TO COORDINATE WITH AAP CM.

NOTE:
G.C. TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ANY DISCREPANCIES WITH OWNER'S ARCHITECT PRIOR TO BID.

NOTE:
G.C. SHALL COORDINATE ANY STORAGE, SALVAGE, TRANSPORTATION OF ITEMS TO BE SALVAGED W/ TENANT PROJECT MANAGER

NOTE:
ALL EXISTING CEILING AMENITIES NOT BEING REUSED TO BE REMOVED.

NOTE:
G.C. SHALL PROTECT THE EXISTING FLOORING WITH PLYWOOD SHEATHING OR OTHER APPROVED PROTECTION DURING DEMOLITION. COORDINATE WITH AAP CM PRIOR TO DEMO.

Steven Bruce Garand

REGISTERED ARCHITECT PENNSYLVANIA STEVEN BRUCE GARAND 016281

AdVance Auto Parts

7615 Lindbergh Blvd.
Philidelphia, PA. 19153

STORE # 108056

REVISIONS

REV	DATE	DESCRIPTION
1	2-20-26	OWNER'S COMMENTS
2	10-30-26	OWNER'S COMMENTS

DATE 2-12-26

GROSS SQ. FT. 8,652 S.F.

PROJECT # 309

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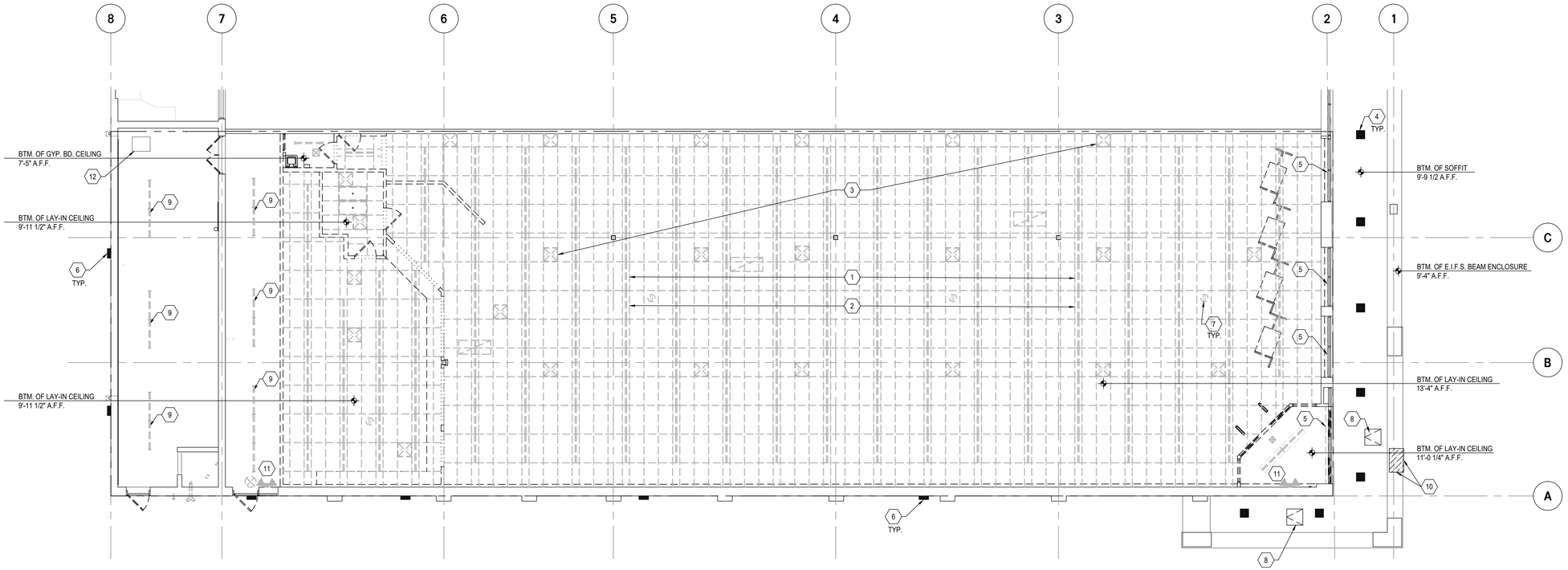
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VERSION 01-26 83x83

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DEMOLITION EXISTING CONDITIONS PLAN

D1



1 / D2 CEILING DEMOLITION/EXISTING CONDITIONS PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

CEILING DEMOLITION /EXISTING CONDITIONS PLAN KEY NOTES

1. EXISTING LAY IN CEILING @ 9'-11" A.F.F. TO BE REMOVED.
2. EXISTING CEILING-RECESSED LIGHTS TO BE REMOVED.
3. EXISTING H.V.A.C. SUPPLY-AIR DIFFUSER EQUIPMENT TO BE REMOVED.
4. EXISTING EXTERIOR LIGHTING TO REMAIN.
5. EXISTING ROLLING GRILLE TO BE REMOVED.
6. EXISTING EXTERIOR WALL MOUNTED SECURITY LIGHTS TO REMAIN.
7. EXISTING CEILING-RECESSED SPEAKERS TO BE REMOVED.
8. EXISTING ACCESS HATCH TO REMAIN.
9. EXISTING SUSPENDED LIGHTING BELOW EXPOSED ROOF STRUCTURE TO BE REMOVED.
10. HATCH INDICATES AREA OF DAMAGED EXTERIOR E.I.F.S. AND METAL FRAMING AT SIGN-BAND & SOFFIT, SEE PLAN ON A5 & ELEVATIONS A6 FOR SCOPE OF REPAIR WORK.
11. EXISTING EXIT SIGN AND/OR EMERGENCY LIGHT/REMOTE HEAD TO BE REMOVED.
12. EXISTING SUSPENDED ELECTRIC UNIT HEATER TO REMAIN.

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
STEVEN BRUCE GARAND
RA-019109
Steven Bruce Garand

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REV	DATE	DESCRIPTION
1	2-26-26	OWNER'S COMMENTS
2	10-30-26	OWNER'S COMMENTS

REVISIONS

DATE: 2-12-26
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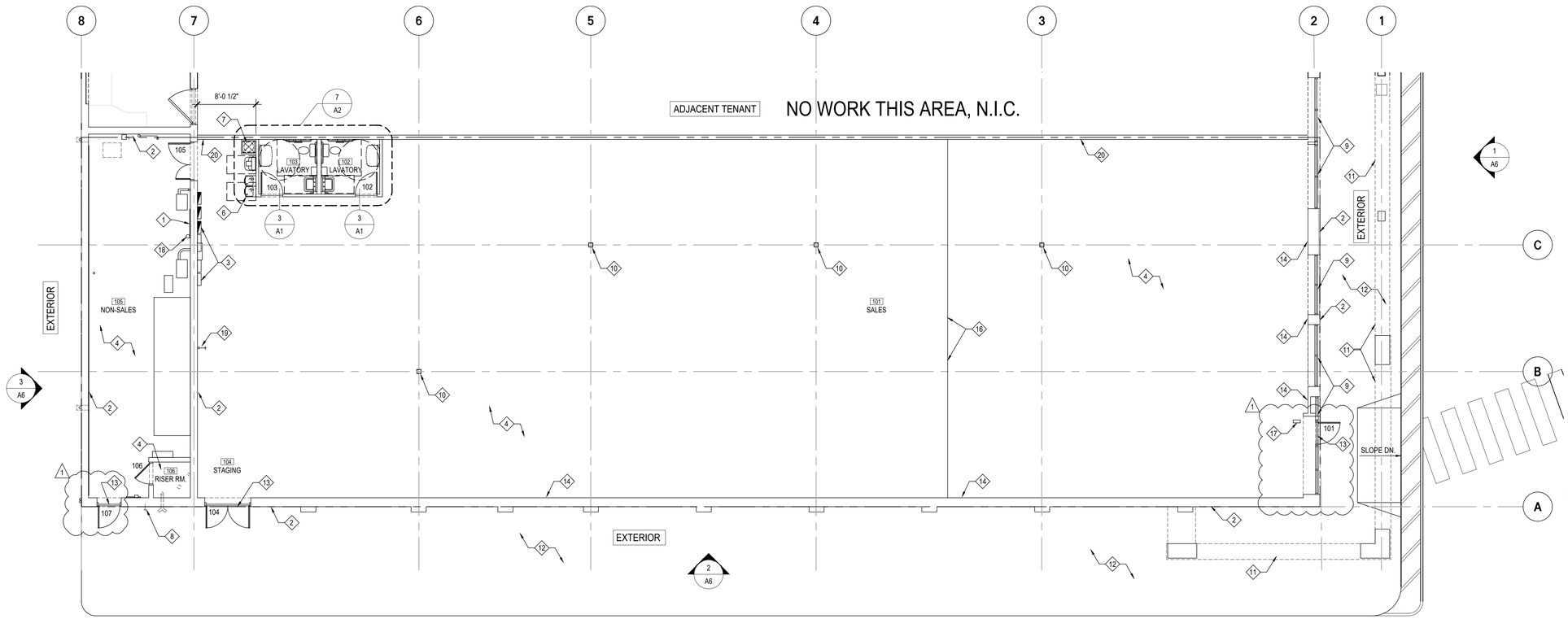
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CEILING DEMOLITION PLAN

D2



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 SLIPPERY 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:

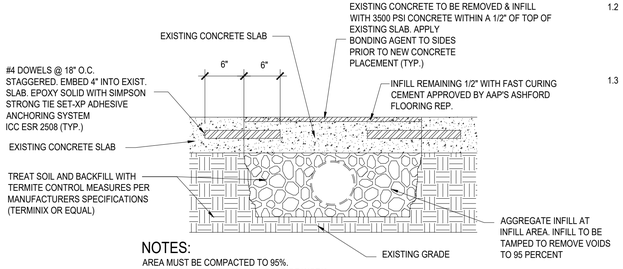
- A. HAND OR POWER FLOAT FLOOR BEFORE STARTING TROWELING.
- B. FOR FIRST TROWELING, KEEP BLADE(S) AS FLAT AS POSSIBLE AND USE LOW SPEED, MINIMIZING "WASHBOARD" OR "CHATTER MARKS" AND "PITTING".
- C. TROWEL 2 TIMES MINIMUM WITH FIRST TWO TROWELING AT RIGHT ANGLES. CEASE TROWELING BEFORE TROWEL BLADES 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 WATER 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.
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.



NOTES:
AREA MUST BE COMPACTED TO 95%.
USE 10 MIL VISQUEEN AT ALL AREAS OF WORK.
SAW CUT CONCRETE ONLY. NO BROKEN EDGES WILL BE ACCEPTED

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

INTERIOR PAINT SPECIFICATIONS
ADVANCE AUTO PARTS (UPDATED DECEMBER 2024)

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)

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-INT2 PPG SILVER BAND (PPG0995-3)

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

METAL COLUMNS AND METAL REAR DOOR:

1.0 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 1 - PPG 1001-1 DELICATE WHITE

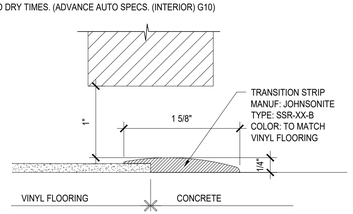
1.4 METAL BAR JOIST, DUCTWORK AND CEILING DECKING:

1.1 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 DUCK WORK. PRIME USING PPG 90-1912

1.2 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-INT2 PPG SILVER BAND (PPG0995-3)

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



3 A1 FLOOR TRANSITION DETAIL
SCALE: FULL

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLR / BASE PC-1	FLR / BASE VB-1	FLR / BASE VCT-1	WALLS IP-1	WALLS IP-2	WALLS FRP-1	CEILING PAINT IP-2	CEILING GYP. BD. IP-1	CEILING ACT-1	CEILING HEIGHT	REMARKS
101	SALES	●	●		●		●	●			OPEN	G.C. TO COORDINATE WITH AAP CM FOR PAINTING OF THE DECK AND BEAMS.
102	LAVATORY		●	●	●					●	8'-0"	DOORS, FRAMES AND TRIM TO BE IP-2. NOTE - THE WALLS ON THE EXTERIOR OF THE RESTROOMS ARE TO BE IP-1
103	LAVATORY		●	●	●					●	8'-0"	FRP IS NOT TO BE PAINTED
104	STAGING	●	●		●			●			OPEN	DOORS, FRAMES AND TRIM TO BE IP-2. G.C. TO COORDINATE WITH AAP CM FOR PAINTING OF THE DECK AND BEAMS.
105	NON-SALES	●	●		●			●			OPEN	DOORS, FRAMES AND TRIM TO BE IP-2. G.C. TO COORDINATE WITH AAP CM FOR PAINTING OF THE DECK AND BEAMS.

MATERIAL SCHEDULE

MATERIAL:		LOCATION:
FLOORING		
PC-1	ASHFORD (OR) W.R. MEADOWS POLISHED CONCRETE. COORDINATE WITH AAP PROJECT MANAGER.	ENTIRE SALES FLOOR AREA - 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
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		
~~CB-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
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

1 A1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

FLOOR PLAN KEY NOTES:

1. 4'x10' X 3/4" APA RATED PLYWOOD BACKBOARD. REFER TO SHEET E4 FOR ADDITIONAL INFORMATION.
2. EXISTING CMU AND/OR FACE BRICK WALL.
3. EXISTING ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. AREA OF SEALED FLOOR. ASHFORD FORMULA BY CURECRETE CHEMICAL COMPANY, INC. RE: CONCRETE FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFORMATION.
5. ~~VICINITY OF DOMESTIC WATER SERVICE ENTRY. REFER TO PLUMBING DRAWINGS FOR SPECIFIC LOCATION. (MAY BE OUTSIDE)~~
6. BI-LEVEL DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
7. WATER HEATER AND PAN/SHELF MOUNTED ON WALL ABOVE MOP SINK. BTM OF PAN AT 8'-0" A.F.F. ROOM. SEE PLAN DET. 7/A2 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
8. NEW WALL HYDRANT. REFER TO PLUMBING DRAWINGS.
9. EXISTING ALUMINUM STOREFRONT AND GLAZING. REFER TO SHEET A6 FOR ADDITIONAL INFORMATION.
10. EXISTING STEEL COLUMN PAINT IP-2.
11. HIDDEN LINE INDICATES FACE OF E.I.F.S. COVERED WALKWAY ABOVE. REPAIR ANY DAMAGE TO E.I.F.S. TO MATCH EXISTING E.I.F.S. FINISH. REFER TO ELEVATIONS FOR ADDITIONAL INFORMATION.
12. EXISTING CONCRETE WALK
13. INSTALL ACCESSIBLE ALUMINUM THRESHOLD ON EXTERIOR AND INTERIOR DOORS.
14. EXISTING GYP. BD. ON METAL FRAMING ON CMU / FACE BRICK WALL TO REMAIN. G.C. TO PROVIDE CONTINUOUS RIGID INSULATION WITH METAL FRAMING @ 16" O.C. WITH 1/2" GYP. BD. ONE SIDE FROM ABOVE REMOVED CEILING TO UNDERSIDE OF DECK, PROVIDE TO MATCH EXISTING. PROVIDE ALL REQUIRED WALL / CORNER TREATMENTS AT OPENINGS IN HEAVY TRAFFIC FLOW AREAS.
15. ~~PROVIDE (3) 4 1/2" DIA. X 5' FLUSH SURFACE MOUNTED SAFETY BOLLARDS IN FRONT OF PLYWOOD BACKBOARD. SEE DETAIL 6/A2~~
16. CONCRETE SLAB GLOSS TRANSITION LINE. REFER TO FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFORMATION, AND MERCH. PLAN ON A3 FOR FINAL DIMENSIONED LOCATION.
17. NEW EAS SYSTEM - SEE ELECTRICAL PLANS. COORDINATE FINAL PLACEMENT WITH SUPPLIER.
18. DRAWINGS STORAGE TUBE MOUNTED TO PLYWOOD BACKERBOARD.
19. EXISTING WALL HYDRANT TO REMAIN, G.C. TO ENSURE PROPER WORKING ORDER.
20. EXISTING DEMISING WALL METAL STUDS WITH GYP. BD. ON EACH SIDE TO UNDERSIDE OF DECK, ONE HOUR FIRE RATED. G.C. TO MAINTAIN EXISTING FIRE RATING.

Steven Bruce Gossard
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA

Advance Auto Parts
STORE # 108056

7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS	REV	DATE	DESCRIPTION
	1	2-20-26	OWNER'S COMMENTS
	2	10-30-26	OWNER'S COMMENTS

DATE: 2-12-26
GROSS SQ. FT.: 8,652 S.F.

PROJECT # 309
DRAWN BY: STAFF
CHECK BY: STAFF

VERSION Q1-26 83x83

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FLOOR PLAN

A1

HARDWARE SCHEDULE

GROUP #1 - INTERIOR EGRESS DOOR

6	HINGES	MCKINNEY T4A3386 NRP - 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 V40xEXT TRIM 03AN EB - 628
1	MORTISE CYLINDER	YALE K620 1 ¼" 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	ASTRAGAL	PEMKO 18/1 (2"xL.) ALUM. PLATE PEMKO
1	DOUBLE DOOR STRIKE	DETEX 94 (102214) & (102211 PLATE)

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 T47 MTG-TYPE 3 - US32D
1	SURFACE CLOSER	NORTON UNU8501 - 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 - STAGING DOOR

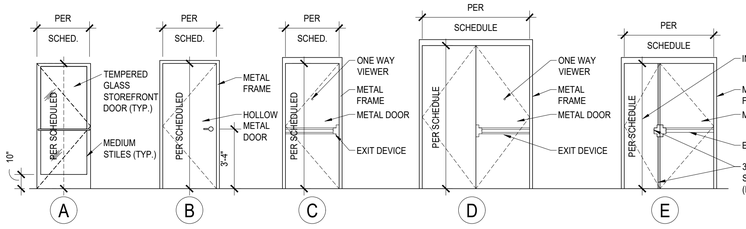
QTY.	DESCRIPTION	NUMBER - FINISH
8	HINGES	IVES 5BB1HW NRP 4.5X4.5 - US32D
2	FLUSH BOLT	ROCKWOOD 555 (12"-24" AS REQ'D) - US26D
1	DUST PROOF STRIKE	ROCKWOOD 570 - US26D
1	ALARM RIM EXIT DEVICE (ACTIVE LEAF)	DETEX V40xEXT TRIM 03AN EB- 628
1	MORTISE CYLINDER	YALE K620 1 ¼" MK - 626
2	CYLINDER CORE	YALE 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 18/1 (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 94 (102214) & (102211 PLATE)
1	VIEWER	ROCKWOOD 622 - DCRM

GROUP #5 - 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 ¼" 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

DOOR SCHEDULE

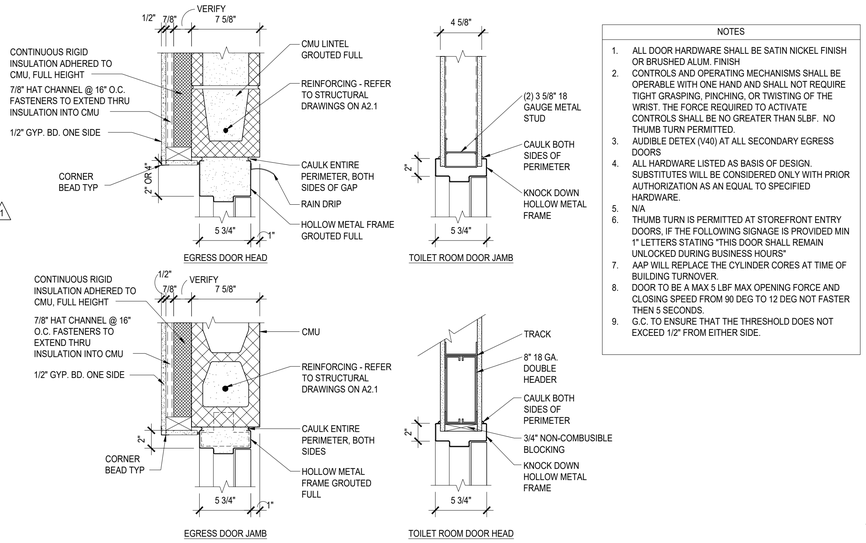
DOOR #	DOOR LOCATION	DOOR SIZE	MATERIAL: DOOR	MATERIAL: FRAME	DOOR ELEV.	FRAME: HEAD	FRAME: JAMB	HARD-WARE	NOTES
101	STOREFRONT	EXIST. (PAIR) HORIZONTAL SLIDING DOORS	ALUM.	ALUM.	A	-	-	3	FRAME BY DOOR MFR. / VAP STANDARD CLEAR / PROVIDE FULLY ACCESSIBLE HARDWARE
102	LAVATORY	3'-0" X 7'-0" X 1 3/4"	H.M.	K.D. H.M.	B	4/A2	4/A2	2	UNDERCUT DOOR 1" FOR EXHAUST AIR MAKE-UP
103	LAVATORY	3'-0" X 7'-0" X 1 3/4"	H.M.	K.D. H.M.	B	4/A2	4/A2	2	UNDERCUT DOOR 1" FOR EXHAUST AIR MAKE-UP
104	STAGING TO EXT.	(2) 3'-0" X 8'-0" X 1 3/4"	H.M.	WELDED H.M.	D	3/A2	3/A2	4	STEELCRAFT L18 SERIES 36 - POLYURETHANE INSULATED DOORS
105	STAGING TO NON-SALES	3'-0" X 7'-0" X 1 3/4" (ACTIVE) & 2'-0" X 7'-0" X 1 3/4" (INACTIVE LEAF)	H.M.	WELDED H.M.	E	3/A2 SIM.	3/A2 SIM.	1	STEELCRAFT L18 SERIES 36 - POLYURETHANE INSULATED DOORS
106	STAGING TO RISER RM.	EX.	EX.	EX.	B	-	-	-	G.C. TO ENSURE PROPER WORKING ORDER
107	NON-SALES TO EXT.	3'-0" X 7'-0" X 1 3/4"	H.M.	WELDED H.M.	C	3/A2	3/A2	5	STEELCRAFT L18 SERIES 36 - POLYURETHANE INSULATED DOORS



6 / A2 DOOR ELEVATIONS

PAINT INSIDE OF EXTERIOR DOORS AND FRAMES IP-2

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



3 / A2 JAMB/HEAD DETAIL — SCALE: 1 1/2"=1'-0"

4 / A2 JAMB /HEAD DETAIL — SCALE: 1 1/2"=1'-0"

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. N/A
6. THUMB TURN IS PERMITTED AT STOREFRONT ENTRY DOORS, 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.

ACCESSORY SCHEDULE

LABEL	DESCRIPTION
A	ADA COMPLIANT TOILET TISSUE DISPENSER
B	ADA COMPLIANT PAPER TOWEL DISPENSER
C	MIRROR, 18"X36" W/METAL RIM
D	ADA COMPLIANT GENDER NEUTRAL SIGN
E	OMITTED
F	ADA COMPLIANT "EMERGENCY EYE WASH" SIGN
G	GRAB BAR, (2) ASI #3501x36 (2) ASI #3501x42 (2) ASI *3501x18
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	BABY CHANGING STATION. KOALA KARE KB300-05, COLOR "WHITE GRANITE", SURFACE MOUNTED. SEE BLOCKING DETAIL 18/A2
K	SANITARY NAPKIN DISPOSAL B-270, SURFACE MOUNTED.
L	HOLDRITE QUICKSTAND WALL MOUNTED WATER HEATER PLATFORM, HANGING, 40-SWHP-W

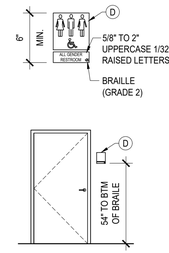
NOTES

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. UNLESS NOTED OTHERWISE, TOILET ACCESSORIES FURNISHED AND INSTALLED BY G.C.

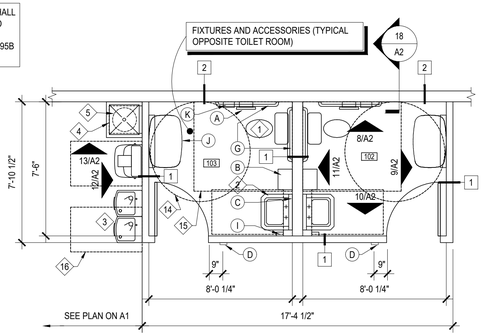
KEY NOTES:

1. WATER CLOSET, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. WALL MOUNTED LAVATORY, 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 NON-COMBUSTIBLE BLOCKING AS REQ'D. AND INSTALL PER MANUFACTURES INSTRUCTIONS.
4. MOP SINK. MOUNT HOSE CLIP 4" ABOVE MOP SINK BASIN CENTERED ON THE FAUCET. 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. NOT USED
9. CONTINUOUS 2 x 8 NON-COMBUSTIBLE 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, GYPSUM WALL BOARD 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.
14. CLEAR BUILD AREA (60" DIA.) AT TURNING RADIUS.
15. CLEAR BUILD AREA (60" x 56") AT WATER CLOSET.
16. CLEAR BUILD AREA (30" x 48") AT LAVATORY OR DRINKING FOUNTAIN.

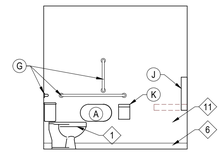
COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND AND SHALL A NON-GLARE FINISH. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARDS 595B



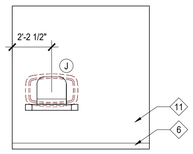
19 / A2 SIGN ELEVATION — SCALE: 1/4"=1'-0"



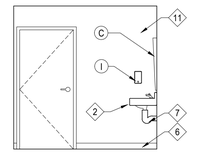
7 / A2 ENLARGED TOILET ROOM PLAN — SCALE: 1/4"=1'-0"



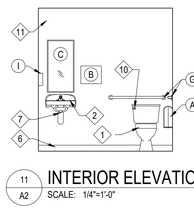
8 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"



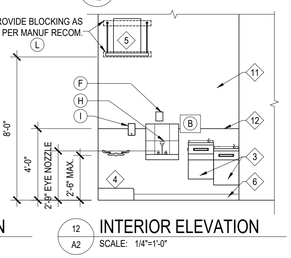
9 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"



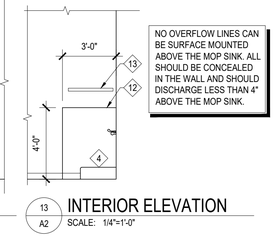
10 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"



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

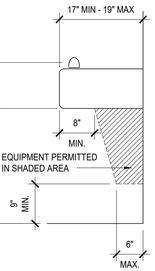


12 / A2 INTERIOR ELEVATION — SCALE: 1/4"=1'-0"

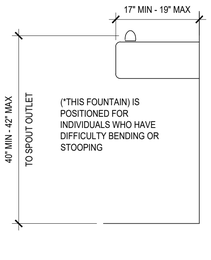


NO OVERFLOW LINES CAN BE SURFACE MOUNTED ABOVE THE MOP SINK. ALL SHOULD BE CONCEALED IN THE WALL AND SHOULD DISCHARGE LESS THAN 4" ABOVE THE MOP SINK.

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

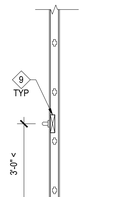


DRINKING FOUNTAINS & WATER COOLERS

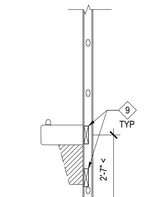


STANDARD HEIGHT DRINKING FOUNTAINS & WATER COOLERS

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

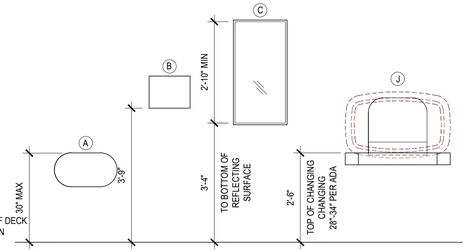


H/C GRAB BAR

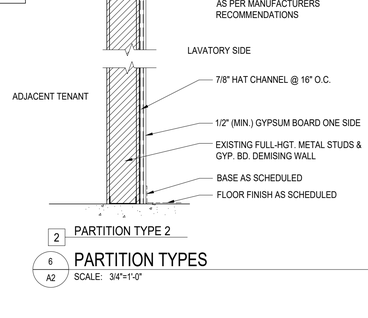


ACCESSIBLE DRINKING FOUNTAIN

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

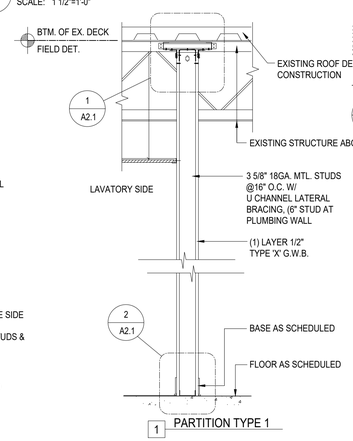


21 / A2 ADA ACCESSIBILITY HEIGHTS — SCALE: 1/2"=1'-0"



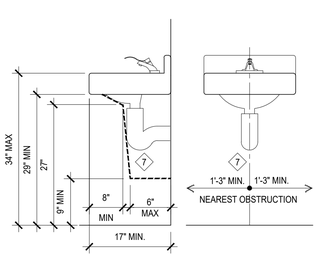
20 / A2 TACTILE EXIT SIGN DETAILS — SCALE: 1/2"=1'-0"

2 PARTITION TYPE 2

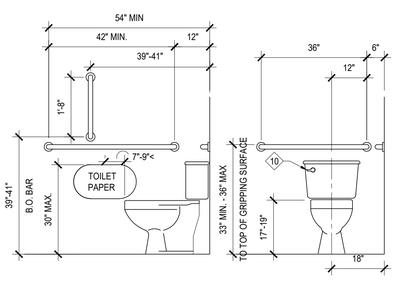


1 PARTITION TYPE 1

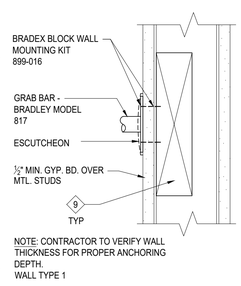
6 / A2 PARTITION TYPES — SCALE: 3/4"=1'-0"

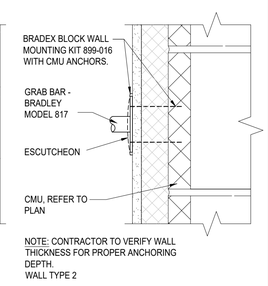


16 / A2 H/C LAVATORY CLEARANCES — SCALE: 3/4"=1'-0"



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





18 / A2 BLOCKING DETAIL — SCALE: 3" = 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.

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS

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DATE: 2-12-26 — GROSS SQ. FT.: 8,652 S.F.

PROJECT # 309

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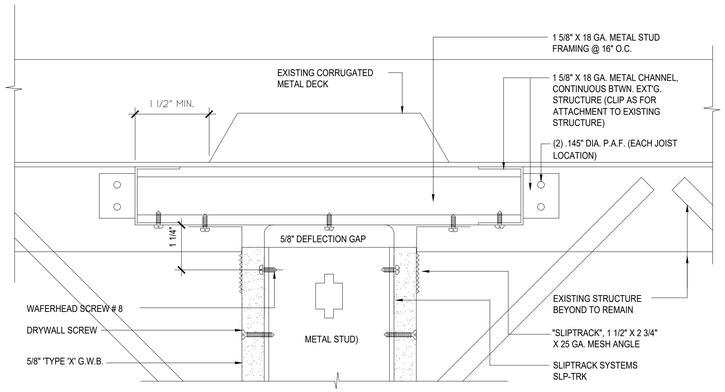
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VERSION Q1-26 83x83

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DOOR SCHEDULE ENLARGED PLAN & TYPICAL DETAILS

A2



PARALLEL TO METAL DECK

NOTES:

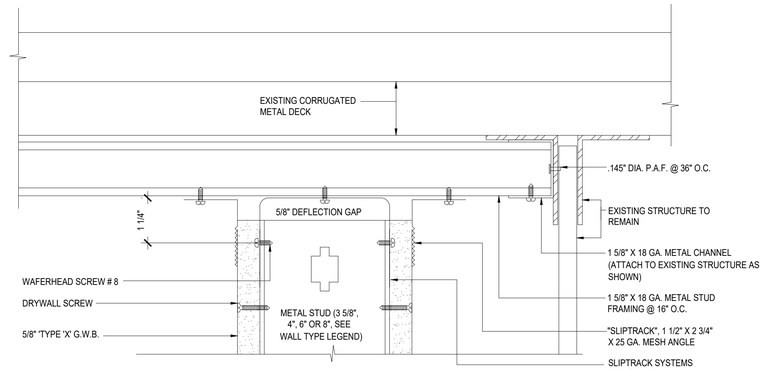
DESCRIPTION:
NON- RATED HEAD OF WALL CONSTRUCTION JOINT USING "SLP-TRK" BRAND SLOTTED TOP TRACK.

MOVEMENT CAPABILITIES:
CLASS II - 100%
CLASS III 100%

DEFLECTION:
1"

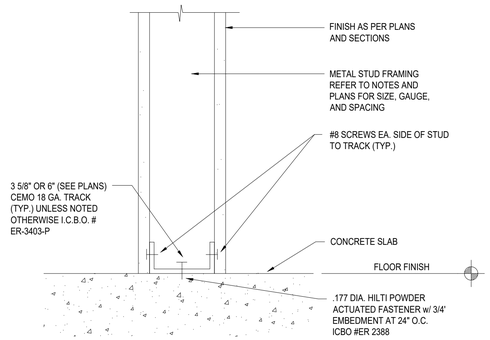
ATTACHMENT TO EXISTING ROOF DECK IS PROHIBITED.

WELDING TO EXISTING STRUCTURE IS PROHIBITED



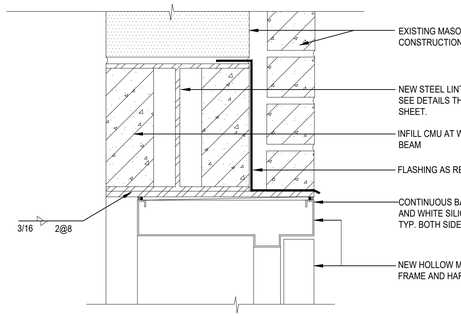
PERPENDICULAR TO METAL DECK

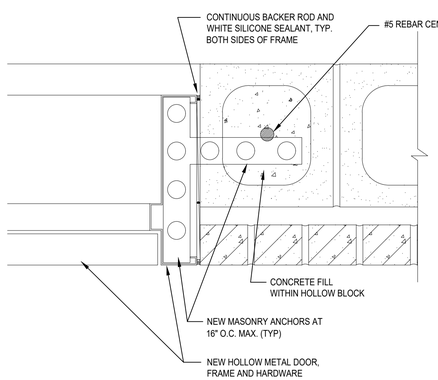
1 A2.1 **WALL CONNECTION DETAIL**
SCALE: 6" = 1'-0"



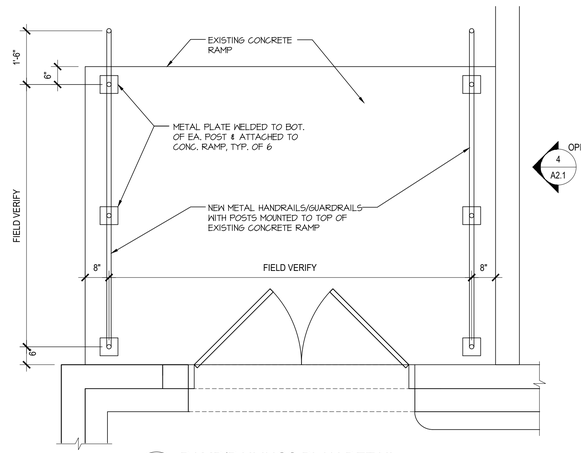
2 A2.1 **FLOOR TRACK DETAIL**
SCALE: FULL

NOTE MOVED TO A2 /1

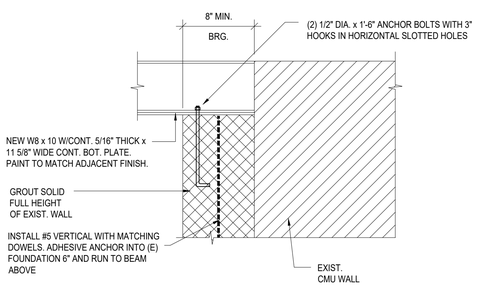




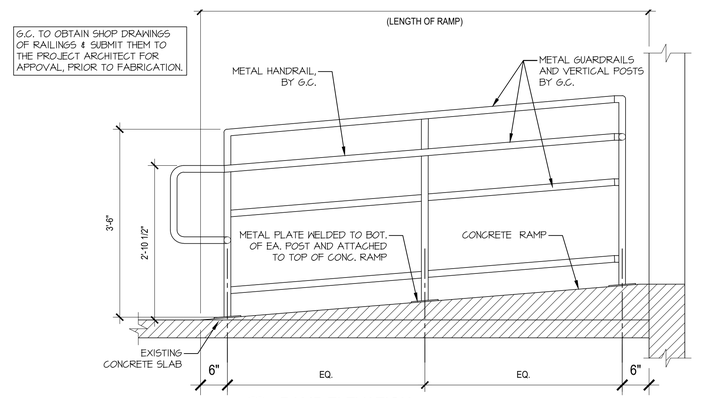
3 A2.1 **LINTEL DETAIL**
SCALE: 3" = 1'-0"



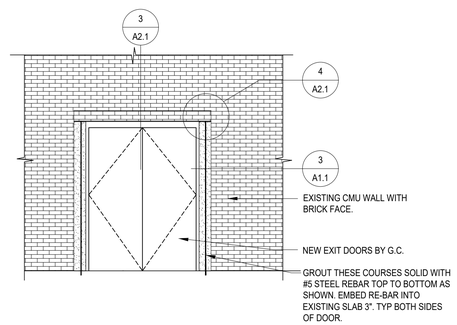
3 A2.1 **RAMP/RAILINGS PLAN DETAIL**
SCALE: 1/2"=1'-0"



4 A2.1 **LINTEL DETAIL**
SCALE: 3/4" = 1'-0"



4 A2.1 **RAMP ELEVATION**
SCALE: 3/4"=1'-0"



5 A2.1 **LINTEL DETAIL AND ELEVATION**
SCALE: 3/4" = 1'-0"

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA
Steven Bruce Gerrard

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

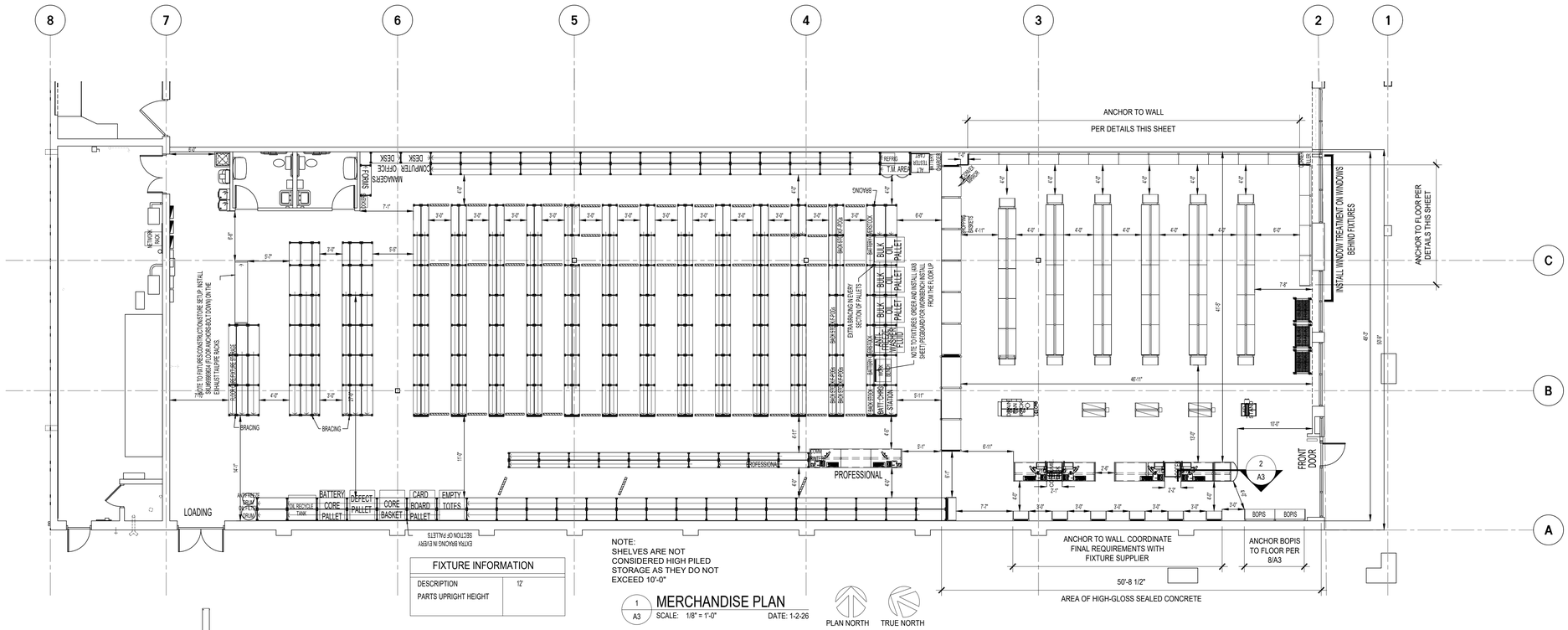
REVISIONS		
REV	DATE	DESCRIPTION
1	2-20-26	OWNER'S COMMENTS
2	10-30-26	OWNER'S COMMENTS

DATE 2-12-26
GROSS SQ. FT. 8,652 S.F.
PROJECT # 309
DRAWN BY: STAFF
CHECK BY: STAFF
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WALL SECTION DETAILS

A2.1

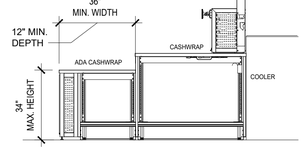


FIXTURE INFORMATION	
DESCRIPTION	12'
PARTS UPRIGHT HEIGHT	

NOTE:
SHELVES ARE NOT CONSIDERED HIGH PILED STORAGE AS THEY DO NOT EXCEED 10'-0"

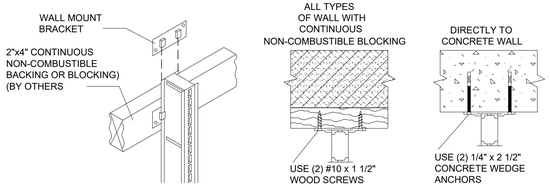
1/A3 MERCHANDISE PLAN
SCALE: 1/8" = 1'-0" DATE: 1-2-26

PLAN NORTH TRUE NORTH

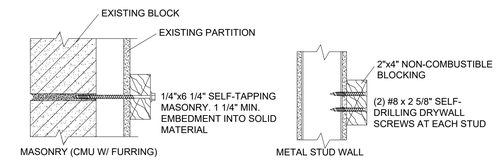


FOR REFERENCE ONLY

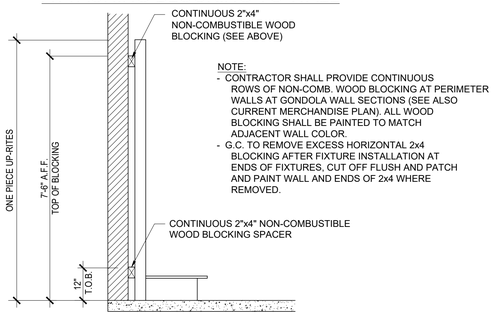
2/A3 ADA COUNTER ELEVATION
SCALE: 3/8" = 1'-0"



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



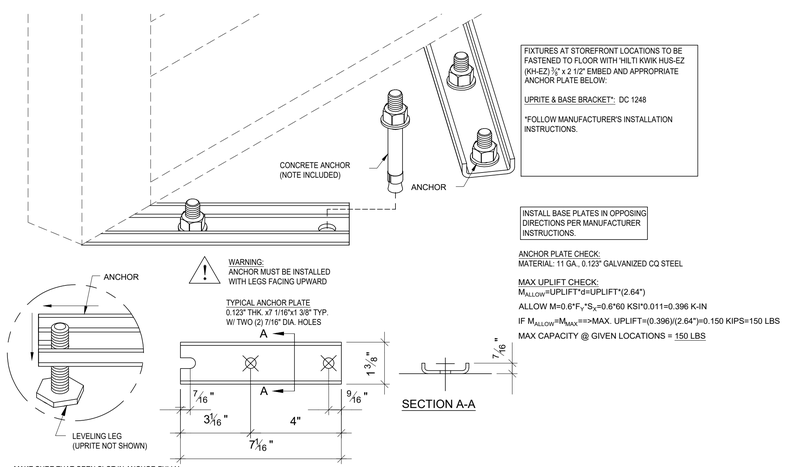
ATTACHING BLOCKING TO WALL



NOTE:
- CONTRACTOR SHALL PROVIDE CONTINUOUS ROWS OF NON-COMB. 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.



FIXTURES AT STOREFRONT LOCATIONS TO BE FASTENED TO FLOOR WITH 'HILTI KWIK HUS-EZ (KH-EZ) 3/8" x 2 1/2" EMBED AND APPROPRIATE ANCHOR PLATE BELOW:

UPRITE & BASE BRACKET*: DC 1248

*FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

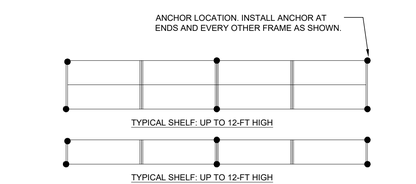
INSTALL BASE PLATES IN OPPOSING DIRECTIONS PER MANUFACTURER INSTRUCTIONS.

ANCHOR PLATE CHECK:
MATERIAL: 11 GA., 0.123" GALVANIZED CQ STEEL

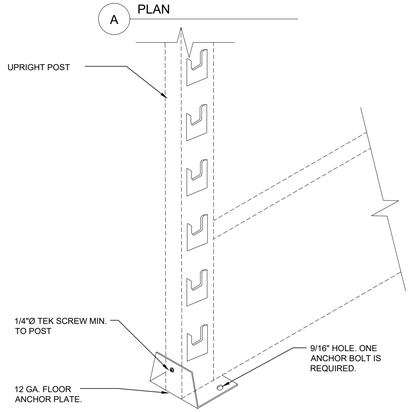
MAX UPLIFT CHECK:
M_{ALLOW}=UPLIFT*d=UPLIFT*(2.64")
ALLOW M=0.6*F_y*S_x=0.6*60 KSI*0.011=0.396 K-IN
IF M_{ALLOW}=M_{MAX}==>MAX. UPLIFT=(0.396)/(2.64")=0.150 KIPS=150 LBS
MAX CAPACITY @ GIVEN LOCATIONS = 150 LBS

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

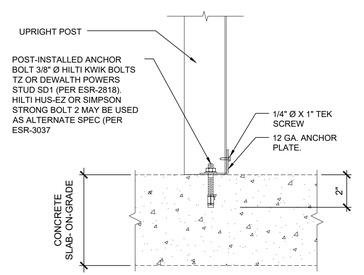
SHELVING GENERAL NOTES:
1. ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT PENNSYLVANIA BUILDING CODE AND 2021 INTERNATIONAL BUILDING CODE, ASCE 7-10, 2012 RMI-MH16.1 AND ALL APPLICABLE ORDINANCES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS BEFORE STARTING WORK AND REPORT ANY DISCREPANCIES 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 RATION 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



A PLAN



B BASE PLATE



8/A3.0 SHELVING ANCHORING DETAILS - BOPIS FIXTURES
SCALE: 1" = 1'-0"

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
STEVEN ENOS GERARD
PRICE GARARD No. RA-019178
Steven Enos Gerard

Advance Auto Parts
STORE # 108056

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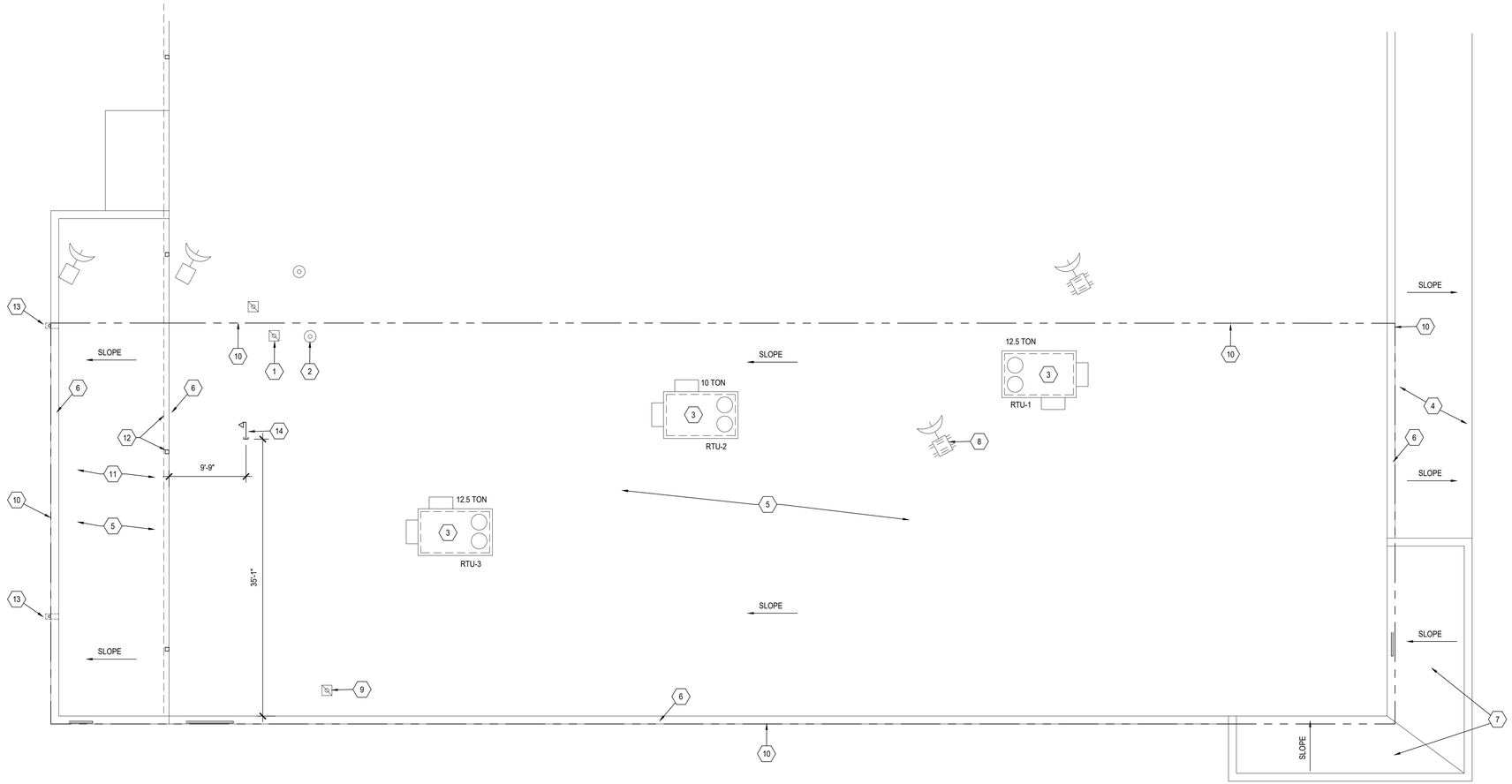
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MERCHANDISE PLAN

A3



ROOF PLAN KEY NOTES:

1. EXHAUST VENT THRU ROOF FOR RESTROOM EXHAUST FANS, ROUTE TWO (2) EXHAUST DUCTS INTO ONE (1) DUCT EXTENDED TO ROOF VENT, SEE DET. 2/A4.
2. PLUMBING VENT THRU ROOF, SEE DET. 2/A4.
3. EXISTING RTU TO REMAIN. SEE MECHANICAL PLANS.
4. EXISTING SLOPED METAL ROOF TO REMAIN.
5. EXISTING ASPHALT ROOFING TO REMAIN.
6. EXISTING ROOF PARAPET WALL & METAL COPING TO REMAIN.
7. EXISTING SLOPED ASPHALT ROOF TO REMAIN.
8. EXISTING METAL PLATFORM AND SATELLITE DISH/ANTENNA TO REMAIN.
9. ~~EXISTING PLUMBING VENT THRU ROOF TO REMAIN.~~
10. LEASELINE - EXTENT OF TENANT SPACE
11. LOWER ROOF AREA
12. EXISTING GUTTERS AND DOWNSPOUTS TO REMAIN. G.C. TO CLEAN & ENSURE PROPER WORKING ORDER PRIOR TO TURNOVER
13. EXISTING THRU-WALL SCUPPERS AND DOWNSPOUTS TO REMAIN. G.C. TO CLEAN & ENSURE PROPER WORKING ORDER PRIOR TO TURNOVER
14. SATELLITE WEATHER HEAD PENETRATION, REFER TO DETAIL 5/A4.

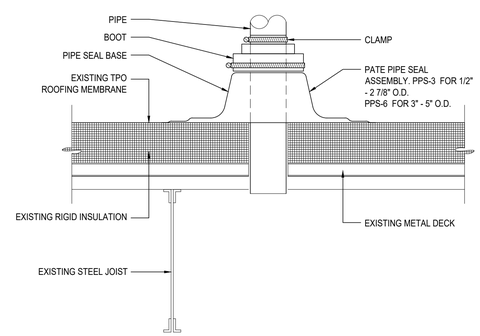
ROOF PLAN GENERAL NOTES:

1. ROOF IS EXISTING TO REMAIN. G.C. TO VERIFY WITH AAP CM AND LANDLORD FOR ANY DAMAGE OR WORK REQUIRED.

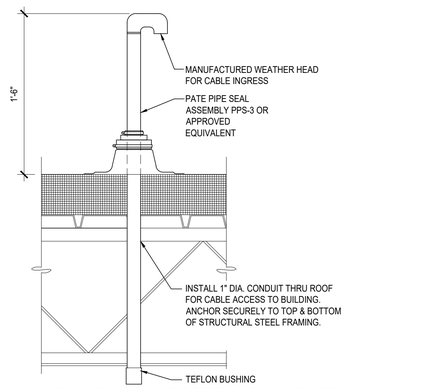
1/A4 ROOF PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH

TRUE NORTH



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



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

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
STEVEN ENOS GIORARD
PA LICENSE NO. RA-019153
Steven Enos Giorard

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

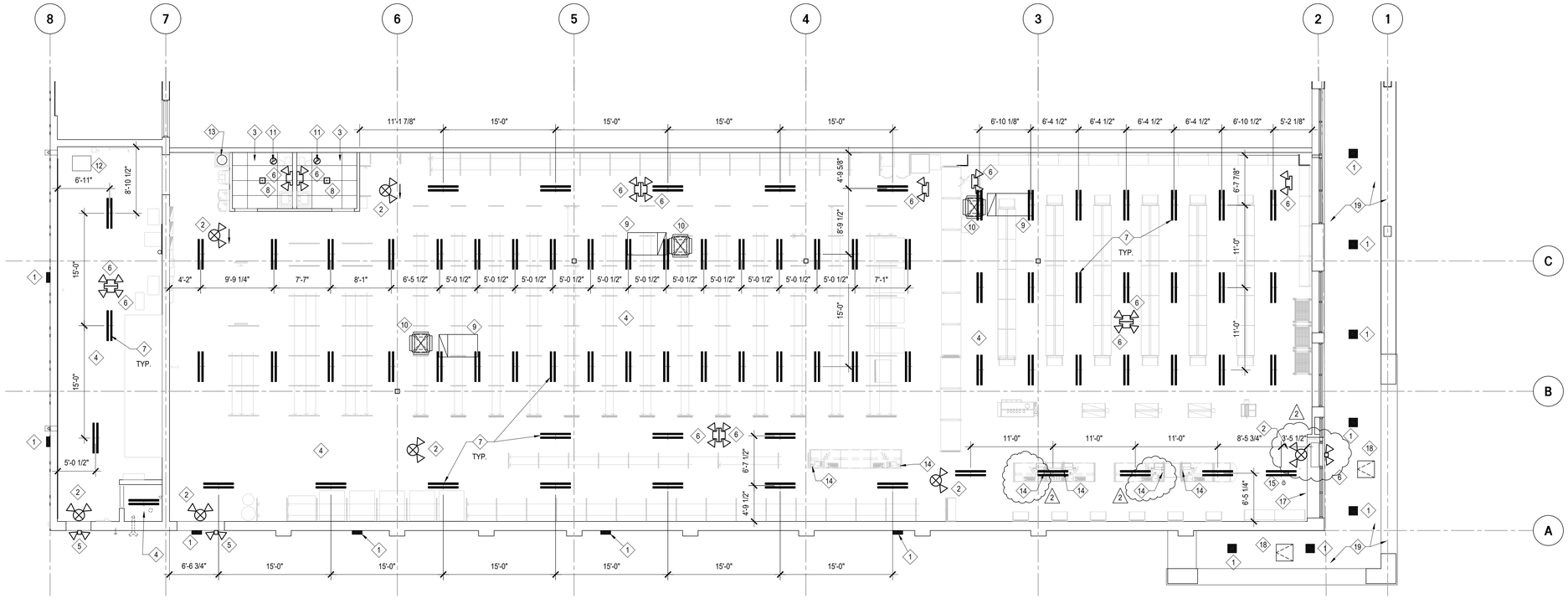
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ROOF PLAN AND DETAILS

A4



1 / A5 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH TRUE NORTH

REFLECTED CEILING PLAN KEY NOTES:

1. EXISTING WALL PACK AND/OR SOFFIT MOUNTED LIGHTS TO REMAIN. G.C. TO ENSURE PROPER WORKING ORDER.
2. EXIT SIGN / EMERGENCY LIGHT. (COMBO EXIT & EM.) REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
3. ACT-1 2X4 LAY IN CEILING IN TOILET ROOMS @ 8'-0" A.F.F. CENTER GRID IN ROOM, AS SHOWN.
4. OPEN TO EXISTING DECK / STRUCTURE.
5. REMOTE EXTERIOR EMERGENCY LIGHT - CENTER OVER DOOR. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
6. EMERGENCY LIGHT W/ BATTERY B.U. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. WHERE FIXTURE OCCURS AT DOOR, CENTER OVER DOOR.
7. SUSPENDED LED LIGHT FIXTURE. ADD 5'-0" COILED WHIPS ON ALL MERCHANDISE AREA LIGHT FIXTURES. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
8. SURFACE MOUNTED LED LIGHT FIXTURE. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
9. RETURN AIR GRILLE. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
10. HVAC PLENUM BOX. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
11. TOILET ROOM EXHAUST FANS. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
12. EXISTING UNIT HEATER TO REMAIN. G.C. TO ENSURE PROPER WORKING ORDER. SEE MECHANICAL SHEETS.
13. WATER HEATER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
14. LOCATION OF 2" POWER AND DATA DROPS, ENSURE DROPS CLEAR ALL LIGHTING FIXTURES. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
15. ELECTRICAL OUTLET FOR GREETER / SECURITY MONITOR. RE: ELECTRICAL SHEETS
16. ~~VESTIBULE CEILING - 2'X2' SYT. DS CEILING AT 9'-0" A.F.F. AT FOR ADDITIONAL DETAILS~~
17. AIR CURTAIN. SEE MECHANICAL PLANS.
18. EXISTING ACCESS PANELS TO REMAIN. G.C. TO ENSURE PROPER WORKING ORDER.
19. EXISTING EXTERIOR SOFFIT TO REMAIN.
20. NOT USED

GENERAL NOTES:

1. ALL ITEMS TO BE SUSPENDED (SUSPENDED CEILING, ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, PLUMBING EQUIPMENT, ETC.) SHALL BE SUSPENDED FROM THE STRUCTURE ABOVE. VERIFY WITH ARCHITECT PRIOR TO HANGING FROM BOTTOM CORD. IF NO STRUCTURE IS AVAILABLE OVERHEAD FOR ATTACHMENT PROVIDE UNI-STRUT 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. ALL METAL STUDS SHALL BE FASTENED TO RUNNERS WITH SELF TAPPING SCREWS.
6. CONTRACTOR TO COORDINATE LIGHT LOCATIONS WITH ALL ABOVE MECHANICAL EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
7. 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..

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA
STEVEN BRUCE GIORARD
PRICE GARAND No. RA-019179
Steven Bruce Giorard

Advance Auto Parts

7615 Lindbergh Blvd.
Philidelphia, PA. 19153

STORE # 108056

REVISIONS

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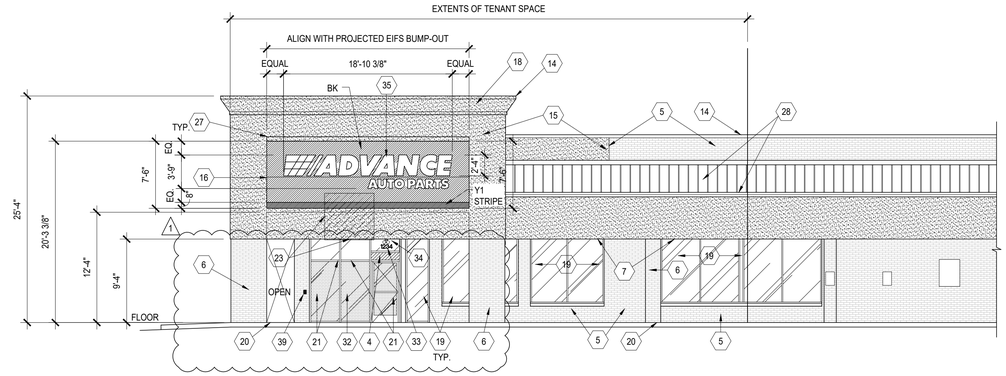
PROJECT # 309
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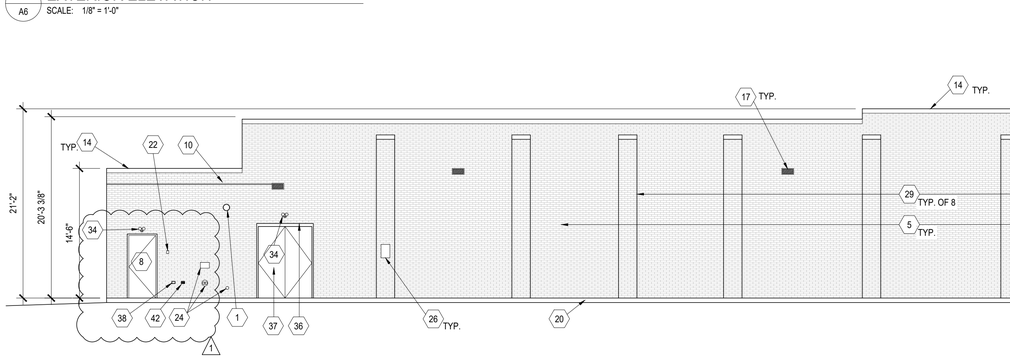
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REFLECTED CEILING PLAN

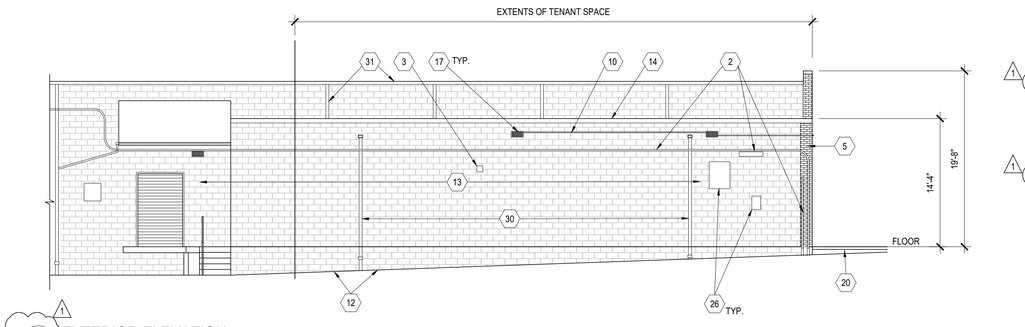
A5



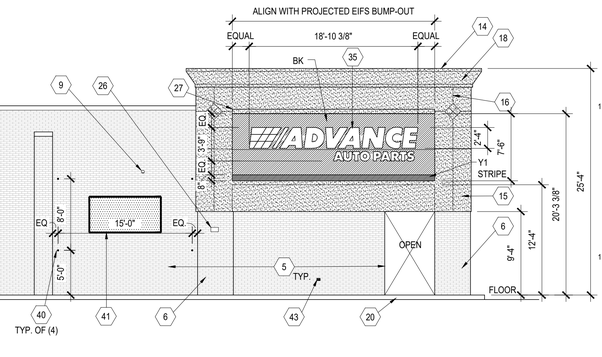
1 / A6 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



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



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



ELEVATION KEY NOTES

1. EXISTING FIRE ALARM EQUIPMENT & ALARM BELL G.C. TO COORDINATE WITH FIRE ALARM VENDOR FOR REUSE OR REPLACEMENT. SPRINKLER AND FIRE ALARM DRAWINGS ARE UNDER SEPARATE COVER. SEE T1.
2. EXISTING ELECTRICAL SERVICE ENTRANCE WIRING & EQUIPMENT. SEE ELECTRICAL PLANS
3. EXISTING ELEC. AND TELECOMM EQUIPMENT TO REMAIN.
4. NEW BLACK SPANDREL PANEL
5. EXISTING "RED" BRICK WALL.
6. EXISTING "RED" BRICK COLUMN ENCLOSURE.
7. ~~EXISTING EXTERIOR CANOPY.~~
8. NEW EXTERIOR MAN DOOR. PAINT TO MATCH ADJACENT SURFACE. SEE DOOR SCHEDULE ON SHEET A2.
9. EXISTING SECURITY CAMERA. G.C. TO COORDINATE WITH LANDLORD PRIOR TO REMOVAL TO ENSURE THAT THE CAMERA IS NOT PART OF CENTER OPERATIONS. REMOVE IF NOT REQUIRED TO REMAIN.,
10. EXISTING EXTERIOR ELECTRICAL CONDUITS. REMOVE IF NOT BEING REUSED.
11. ~~EXISTING METAL DOOR, PAINT ONLY. SIGN, STEPS & PAINTED METAL HANDRAIL NOT IN SCOPE OF WORK.~~
12. EXISTING ASPHALT PAVEMENT
13. EXISTING WHITE PAINTED CMU. WALL.
14. EXISTING METAL COPING AT TOP OF PARAPET WALL.
15. EXISTING EFIS FINISH.
16. EXISTING REVEAL JOINT IN E.I.F.S. WALL.
17. EXISTING EXTERIOR SECURITY LIGHT. SEE SHEET A5 FOR SCOPE.
18. E.I.F.S. CORBEL AT TOP OF PARAPET WALL.
19. EXISTING STOREFRONT GLAZING SYSTEM. G.C. TO CLEAN PRIOR TO TURNOVER. SEE GENERAL NOTES.
20. EXISTING SIDEWALK & CURBS TO REMAIN.
21. 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. NEW STOREFRONT SYSTEM COLOR TO MATCH EXISTING STOREFRONT SYSTEM. REFER TO RESPONSIBILITY MATRIX FOR ADDITIONAL INFORMATION. NO SUBSTITUTIONS. SEALANT COLOR TO MATCH SYSTEM. COORDINATE WITH REP PRIOR TO ORDERING.
22. EXISTING UN-KNOWN ELEC. BOX. REMOVE IF NOT BEING REUSED.
23. HATCH INDICATES AREA OF DAMAGED EXTERIOR E.I.F.S. AND METAL FRAMING AT SIGN-BAND & SOFFIT. G.C. TO COORDINATE WITH AAP CM AND LANDLORD FOR ANY REPAIR WORK REQUIRED.
24. EXISTING FIRE DEPT. DUAL-CONNECTION, F.D.C. SIGN & SPRINKLER SYSTEM DRAIN.
25. NOT USED.
26. EXIST. PARKING & UN-READABLE SIGNS ON DOOR AND ON WALLS. NO WORK REQUIRED. SIGN REPLACEMENT IS THE RESPONSIBILITY OF THE LANDLORD.
27. EXIST. LINEAR PROJECTED E.I.F.S. FEATURE.
28. EXISTING STANDING SEAM SLOPED METAL ROOF W/ METAL TRIM & E.I.F.S. CORBEL BELOW ROOF.
29. EXISTING "RED" BRICK PILASTER, W/ SLOPED METAL FLASHING AT TOP CAP.
30. EXISTING DOWNSPOUTS AND SCUPPERS THRU-WALL, CLEAN AND ENSURE PROPER WORKING ORDER PRIOR TO TURNOVER.
31. EXISTING DOWNSPOUTS AND GUTTERS, CLEAN AND ENSURE PROPER WORKING ORDER PRIOR TO TURNOVER.
32. HATCH INDICATES AREA OF NEW TEMPERED GLASS.
33. 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.
34. REMOTE EXTERIOR EMERGENCY LIGHT, REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
35. REFER TO ELECTRICAL DRAWINGS FOR SIGNAGE REQUIREMENTS. SIGNAGE IS PERMITTED SEPARATELY AND INSTALLED BY OTHERS. SIGNAGE IS SHOW FOR REFERENCE ONLY.
36. RAIN DEFLECTOR ATTACHED TO DOOR FRAME - REFER TO DOOR HARDWARE SCHEDULE.
37. HOLLOW METAL DOOR AND FRAME PAINT TO MATCH COLOR OF ADJACENT WALL SURFACE.
38. ELECTRICAL OUTLET, REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
39. KNOX BOX IF REQUIRED BY CODE. G.C. TO COORDINATE WITH FIRE MARSHAL FOR TYPE AND FINAL LOCATION.
40. INSTALL 4 - 1/2" ~ GALVANIZED STEEL ANCHOR EYE BOLTS. EPOXY SET INTO MASONRY WALL FOR FUTURE SIGN BANNER.
41. FUTURE SIGN BANNER
42. WALL HYDRANT, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
43. EXISTING WALL HYDRANT TO BE REMOVED.

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. PROVIDE SEALANT AT ALL UNLIKE MATERIALS.
3. G.C. TO REMOVE ALL EXISTING "CVS" RELATED WINDOW GRAPHICS, ATTACHED ON OUTSIDE OF EXISTING GLASS, PRIOR TO TURNOVER. G.C. TO CLEAN GLASS AND FRAMES

EXTERIOR REPAIR GENERAL NOTES:

G.C. TO COORDINATE WITH AAP CM AND LANDLORD FOR ANY WORK REQUIRED TO CORRECT ANY DAMAGED OR MISSING FINISHES, TREATMENTS ETC... THAT IS NOT INCLUDED IN THE SCOPE OF WORK.

AFTER REMOVAL OF SIGN, G.C. TO SKIM COAT EIFS TO MATCH EXISTING AND REPAINT TO MATCH EXISTING FAÇADE COLOR. FIELD VERIFY.

ANY AREAS OF THE FACADE TO BE REPAINTED DUE TO REPAIR, ALL NEW PAINT SHOULD EXTEND TO THE NEAREST RELIEF LINE.

EXTERIOR PAINT SPECIFICATIONS FOR ADVANCE AUTO PARTS - NEW CONSTRUCTION & REPAINT / REMODEL UPDATED JANUARY 9, 2025).
NOTE, NOT ALL SPECIFICATIONS MAY APPLY.

NOTE: COLD WEATHER APPLICATION

- MINIMUM AMBIENT / SUBSTRATE TEMPERATURE OF 35 DEGREES (UNLESS OTHERWISE NOTED)
- APPLICATION MUST ALLOW FOR 3-6 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 6-515XI HI-FILL BLOCK FILLER OR PPG PERMA CRETE 4-100XI 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 6-2110XI 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-PPG0996-5 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 6-2110XI 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-PPG0996-5 STEAMSHIP
AAP-Y1 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 90-1912 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 97-948 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

1.5METAL 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

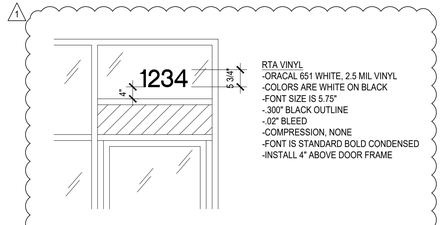
1.6 PARKING LOT BOLLARDS, MANDATED SAFETY REQUIREMENTS

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.

MATERIAL SCHEDULE

MATERIAL:	EXTERIOR PAINT:	LOCATION:
Y1	ADVANCE AUTO PARTS YELLOW	EXTERIOR
BK	ADVANCE AUTO PARTS BLACK	EXTERIOR
RAILS	BLACK	HANDRAILS (EXTERIOR PAINT ONLY)
SAFETY	SAFETY YELLOW	BOLLARDS, MANDATED SAFETY AREAS



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"

4 / A6 NOT USED
SCALE: NONE

Steven Bruce Gerard
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
STEVEN BRUCE GERARD No. RA-016178
PRICE GARAND No. RA-016178

Advance Auto Parts
7615 Lindbergh Blvd.
Philidelphia, PA. 19153
STORE # 108056

REVISIONS

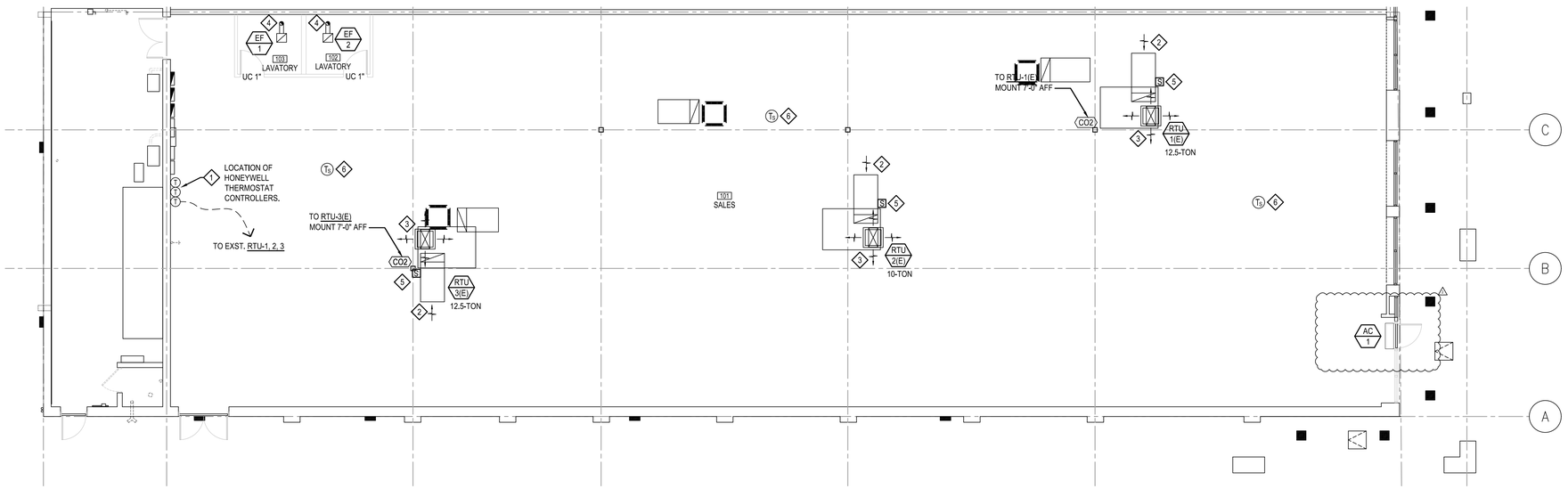
REV	DATE	DESCRIPTION
1	2-20-26	OWNER'S COMMENTS
2	10-30-26	OWNER'S COMMENTS

DATE: 2-12-26
GROSS SQ. FT.: 8,652 S.F.
PROJECT # 309
DRAWN BY: STAFF
CHECK BY: STAFF
VERSION Q1-26 83x83

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EXTERIOR ELEVATIONS

A6



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

TRUE NORTH PLAN NORTH

NOTE:

1. G.C. TO RELOCATE TEMPERATURE SENSOR TO NEAREST SHELF UPRIGHT AFTER THE INSTALLATION OF THE SHELVING.

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. PROVIDE MINIMUM 4'-0" HORIZONTAL LENGTH OF FULL SIZE RETURN AIR DUCT INSTALLED AS HIGH AS POSSIBLE BELOW THE ROOF DECK BETWEEN THE ROOF BAR JOISTS. PROVIDE AN EXPANDED METAL MESH GRILLE WITHOUT DAMPER ON THE END OF THE DUCT. SEE DETAIL 1/M2.
3. GALVANIZED STEEL SUPPLY AIR PLENUM BOX BY CURBS PLUS, INC. INSTALL TOP OF PLENUM BOX FLUSH WITH THE BOTTOM OF THE ROOF BAR JOISTS. MODEL # DLPD 2010-10/12.5 TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.
4. ROUTE TOILET ROOM EXHAUST FAN DUCTS UP TO ROOF AND CONNECT WITH EXISTING ROOF CAP. COORDINATE ROUTING IN FIELD PRIOR TO THE START OF CONSTRUCTION.
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. (RE: DIAGRAM 1/E4)
6. HONEYWELL TR21-A TEMPERATURE SENSOR MOUNTED TO HANGING CONDUIT @ 7'-0" A.F.F.

AIR CURTAIN SCHEDULE

MARK	MFR. & MODEL	CFM	LENGTH	VOLTAGE / PHASE	MOTOR HP	HEAT CAPACITY	AMPS / MOCP	WEIGHT	ACCESSORIES / NOTES
AC-1 WITH HEAT	POWERED AIR INC. EVE-1-36E	961	36"	208V/3PH	(1) 1/5	8 KW	24.2A / 35	59 LBS.	1,2,3,4,5,7,8,9,10
AC-2 WITHOUT HEAT	POWERED AIR INC. EVE-1-36E	961	36"	208V/1PH	(1) 1/5	0 KW	4.1A / 15	54 LBS.	1,2,3,4,5,7,8,9,10
AC-3 WITH HEAT	POWERED AIR INC. EVE-2-72E	1,922	72"	208V/3PH	(2) 1/5	8 KW	24.2A / 35	102 LBS.	1,2,3,4,5,7,8,9,10
AC-4 WITHOUT HEAT	POWERED AIR INC. EVE-2-72E	1,922	72"	208V/1PH	(2) 1/5	0 KW	4.1A / 15	94 LBS.	1,2,3,4,5,7,8,9,10

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. USED IN CLIMATE ZONES 1 THROUGH 3
7. USED IN CLIMATE ZONES 4 THROUGH 8
8. TOP MOUNT
9 UNIT MOUNTED VARIABLE SPEED CONTROLLER.
10. THERMOSTAT MOUNTED TO TOP OF UNIT.

GENERAL NOTES:

1. REFER TO THE INTERNATIONAL ENERGY CONSERVATION CODE CLIMATE ZONE MAP FOR NOTES 6 & 7 ABOVE

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. REFER TO DETAIL #3 ON SHEET M2.
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.

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS

REV	DATE	DESCRIPTION
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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
KEVIN K. HERBERT
ENGINEER

HVAC FLOOR PLAN

M1

EXHAUST FAN SCHEDULE

(HVAC CONTRACTOR SHALL FURNISH AND INSTALL ALL FANS AND ACCESSORIES.)

MARK	MFR. & MODEL	CFM	S.P.	SONES	RPM	VOLTS / PHASE	WATTS/HP	ACCESSORIES / NOTES
EF-1/2	COOK GC 142	94	.125	1.7	1,000	120 / 1	59 W	1,2,3,4

ACCESSORIES / NOTES:

1. PROVIDE WITH 6" DIA. EXHAUST DUCT AND WALL CAP.
2. FAN SHALL BE CONTROLLED BY THE TOILET ROOM LIGHT SWITCH. ALL WIRING IS BY THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS FOR CLARIFICATION.
3. INSTALL AS HIGH AS POSSIBLE IN SIDEWALL. COORDINATE WITH CLR FIXTURE HEIGHT CLEARANCE REQUIREMENTS.
4. OR APPROVED EQUIVALENT MANUFACTURER. PROVIDE VENDOR DRAWINGS FOR APPROVAL.

EXISTING ROOF TOP UNIT SCHEDULE

ZONE	MARK	YORK MODEL #	NOM. TONS	SUPPLY FAN			VOLTS / PHASE	GAS HEATING MBH		INT. HTG. CAP. MBH @ 45 DEG. F AMBIENT	ELEC. RESISTANCE STRIP HEATER KW	COOLING DATA					MCA	MOCP	IEER / EER	WEIGHT (LBS.)*	ACCESSORIES / NOTES
				BHP	CFM	ESP		INPUT	OUTPUT			TOTAL	SENSIBLE	AMB.	DB	WB					
A	RTU-1, 3	ZLE14A2C3AA2B121A3	12.5	5.25	5000	1.0	208 / 3	--	--	109.1	32.0	155.7	113.6	95	80	67	113	125	14.9 / 11.2	1250	1,2,3,4,5,6,7,8,9,10,11,12
A	RTU-2	ZYE12A2B3AA1A111A3	10.0	3.70	4000	1.0	208 / 3	--	--	84.6	24.8	120.5	87.4	95	80	67	86.4	90	14.8 / 12.2	1100	1,2,3,4,5,6,8,9,10,11,12
B	RTU-4	ZSH090A1E	7.5	2.5	2700	1.0	208 / 3	200	160	66.6	16.5	87.0	65.2	95	80	67	74	80	15.2 / 12.5	965	1,2,3,4,5,6,8,9,10,11
B	RTU-5	GSH090A1E	7.5	2.5	2700	1.0	208 / 3	200	160	66.6	16.5	87.0	65.2	95	80	67	74	80	15.2 / 12.5	965	1,2,3,4,5,6,8,9,10,11
C	RTU-6	LSH060A1E	5.0	1.5	1800	1.0	208 / 3	200	160	45.2	12.5	59.0	44.2	95	80	67	51	60	15.2 / 12.5	705	1,2,3,4,5,6,8,9,10,11
C	RTU-7	LSH060A1E	5.0	1.5	1800	1.0	208 / 3	200	160	45.2	12.5	59.0	44.2	95	80	67	51	60	15.2 / 12.5	705	1,2,3,4,5,6,8,9,10,11
D	RTU-8, 9	LSH060A1E	5.0	1.5	1800	1.0	208 / 3	200	160	45.2	12.5	59.0	44.2	95	80	67	51	60	15.2 / 12.5	705	1,2,3,4,5,6,8,9,10,11
D	RTU-10	LSH060A1E	5.0	1.5	1800	1.0	208 / 3	200	160	45.2	12.5	59.0	44.2	95	80	67	51	60	15.2 / 12.5	705	1,2,3,4,5,6,8,9,10,11

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. (VERIFY LOCAL CODE REQUIREMENTS WHETHER SMOKE DETECTOR IS IN THE SUPPLY OR RETURN AIR DUCT.) (ADD ONLY IF NOT REQUIRED BY LOCAL CODE.)
6. MANUFACTURER'S STANDARD 14" HIGH ROOF CURB SHIPPED WITH THE UNIT AND FIELD INSTALLED.
7. MANUFACTURER'S CO2 DEMAND-CONTROLLED VENTILATION WALL SENSOR SHIPPED WITH THE UNIT. FURNISH TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION.
8. FACTORY SUPPLIED SMOKE DETECTOR.
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. UNITS TO HAVE R-454B REFRIGERANT.

MCA - MINIMUM CIRCUIT AMPS

MOCP - MAXIMUM OVERCURRENT PROTECTION

* - APPROX. WEIGHT INCLUDES ACCESSORIES (CURB, ECONOMIZER, ETC.)



EXAMPLE PHOTO OF HOW THE HVAC SYSTEM IS INSTALLED.

1 / M2 RTU DUCT INSTALLATION DETAIL

SCALE: NONE

OUTSIDE AIR CALCULATIONS

(BASED ON 2012 INTERNATIONAL MECHANICAL CODE)

OUTSIDE AIR REQUIRED

A. BUILDING AREA:

SALES, MERCHANDISE & TOILET AREAS:	8,652	S.F.
TOTAL FLOOR AREA (NET):	8,652	S.F.

B. OUTSIDE AIR REQUIRED:

PEOPLE LOAD:		
15 PEOPLE / 1,000 SQ FT = 15 X 8,652 = 130 PEOPLE		
8,652 SQ FT X 0.12 CFM / SQ FT	1,038	CFM
130 PEOPLE X 7.5 CFM / PERSON	975	CFM
TOTAL OUTSIDE AIR CFM REQUIRED:	2,013	CFM

OUTSIDE AIR PROVIDED

EXST. RTU-1(CO2 SENSOR)	=	1000	CFM
EXST. RTU-2	=	750	CFM
EXST. RTU-3 (CO2 SENSOR)	=	1000	CFM
TOTAL O.A. PROVIDED	=	2,750	CFM

RTU EQUIPMENT NOTES

FOR COMPLETE INFORMATION/PRICING ON THE RTU EQUIPMENT PACKAGE, CONTACT THE ADVANCE AUTO PARTS ACCOUNT REPRESENTATIVE AT LENNOX/CARRIER 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/CARRIER NATIONAL ACCOUNTS AT THE TIME OF QUOTATION.

THE RTU EQUIPMENT PACKAGE MUST BE ORDERED FROM LENNOX/CARRIER 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/CARRIER 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
C02	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

T 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)

R D

DISCHARGE OR SUPPLY AIR DUCT

RETURN OR EXHAUST AIR DUCT

OUTSIDE AIR SUPPLY DUCT

POINT OF CONNECTION/ELEVATION/INVERT

EMS ENERGY MANAGEMENT SYSTEM

X / X AIR DEVICE TYPE / 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

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).

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS

REV	DATE	DESCRIPTION

DATE: 2-12-26

GROSS SQ. FT.: 8,652 S.F.

PROJECT # 309

DRAWN BY: STAFF

CHECK BY: STAFF

VERSION Q1-26 83x83

ALL REPORTS, PLANS, SPECIFICATIONS, FIELD DATA, NOTES AND OTHER DOCUMENTS, INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA, PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR CONSENT OF THE DESIGN PROFESSIONAL. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE, ARE HEREBY SPECIFICALLY RESERVED.

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — KEVIN K. HERBERT — ENGINEER

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 ELEC- TRICAL 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 PRE-FABRICATED 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 PRE-FORMED 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 CLEAN-OUT 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.

14.1.10 THE 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.

14.1.11 MINIMUM 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.

Advance Auto Parts
7615 Lindbergh Blvd.
Philidelphia, PA. 19153
STORE # 108056

REV	DATE	REVISIONS DESCRIPTION

DATE	GROSS SQ. FT.
2-12-26	8,652 S.F.

PROJECT # 309
DRAWN BY: STAFF
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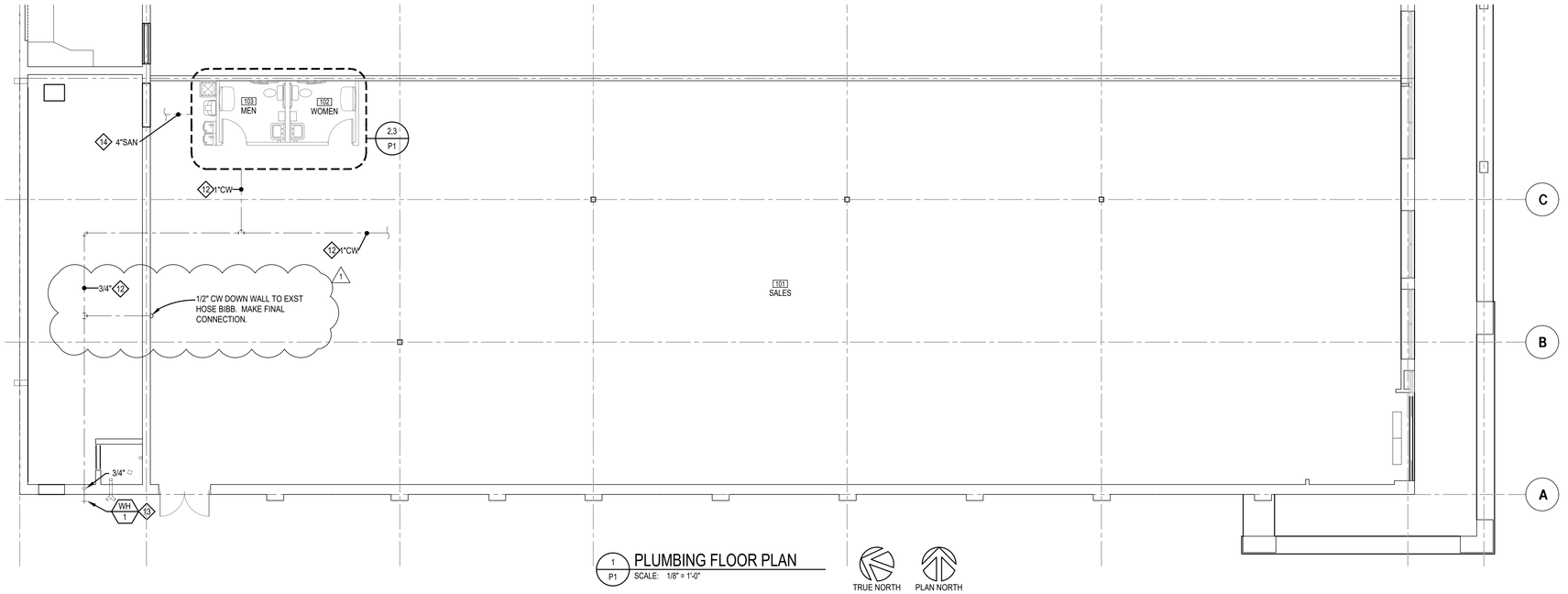
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ENGINEER
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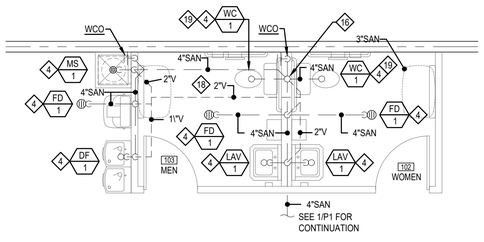
HVAC / PLBG. SPECIFICATIONS

MP1

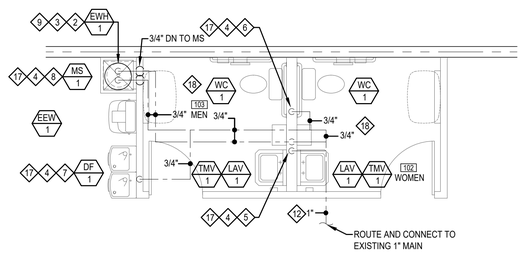


1 / P1 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH PLAN NORTH



2 / P1 ENLARGED WASTE & VENT PIPING PLAN
SCALE: 1/4" = 1'-0"



3 / P1 ENLARGED WATER PIPING PLAN
SCALE: 1/4" = 1'-0"

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. WATER HEATER (EWH-1) TO BE MOUNTED ON METAL SHELF ABOVE MOP SINK BY GC. SEE ARCHITECTURAL SHEET A-2 FOR MORE INFORMATION.
2. PROVIDE A 2" DEEP GALVANIZED WATERPROOF SAFE PAN UNDER THE WATER HEATER WITH A 1-1/2" DRAIN LINE TO THE MOP SINK. TERMINATE THE DRAIN LINE WITH A MIN. 3" AIR GAP. ROUTE FULL SIZE T & P RELIEF LINE WITHOUT TRAP TO DISCHARGE INTO THE MOP SINK. TERMINATE THE T & P RELIEF PIPING WITH THE APPROPRIATE AIR GAP. DRAIN LINE AND T & P RELIEF PIPING SHOULD BE CONCEALED IN THE TOILET ROOM WALL AND DISCHARGED LESS THAN 4" ABOVE THE MOP SINK BASIN.
3. PROVIDE A VACUUM RELIEF VALVE EQUAL TO WATTS MODEL LFN36 AT THE HIGH POINT OF THE WATER HEATER SUPPLY PIPING.
4. ROUTE VENT & WATER SUPPLY PIPING AND ALL DRAIN LINES INSIDE THE TOILET ROOM WALL/CHASE. FIELD VERIFY THE REQUIRED HEIGHT OF HORIZONTAL RUNS.
5. 3/4" HW, CW DOWN IN WALL. RUN 1/2" HW, CW PIPING TO EACH LAVATORY.
6. 3/4" CW DOWN IN WALL. RUN 1/2" CW TO EACH WATER CLOSET.
7. 1/2" CW DOWN IN WALL TO DRINKING FOUNTAIN.
8. 3/4" HW, CW DOWN IN WALL TO MOP SINK.
9. 3/4" HW, CW DOWN TO WATER HEATER.
10. 1" UNDERGROUND DOMESTIC COLD WATER SERVICE. REFER TO CIVIL DRAWINGS BY OTHERS FOR CONTINUATION.
11. 1" DOMESTIC COLD WATER RISER. INSTALL ASSEMBLY IN VERTICAL POSITION WHERE ALLOWED TO MINIMIZE FLOOR SPACE. ROUTE TIGHT TO THE WALL TO ABOVE THE BOTTOM CHORD OF THE ROOF BAR JOISTS. PROVIDE A HOUSE VALVE AT 12-24" A.F.F. TO BE ACCESSIBLE. SHUT OFF ABOVE 8'-0" IN SALES AREA. INSULATE PIPING PER THE PLUMBING SPECIFICATIONS ON SHEET MP1.
12. ROUTE PIPING AS HIGH AS POSSIBLE ABOVE THE BOTTOM CHORD OF THE ROOF BAR JOISTS WITH ALLOWANCE FOR SLOPE AS REQUIRED. INSULATE PIPING PER THE PLUMBING SPECIFICATIONS ON SHEET MP1.
13. MOUNT THE WALL HYDRANT AT 24" ABOVE FIN. GRADE. PROVIDE SILICONE SEALANT ALL AROUND THE WALL HYDRANT BOX TO PROVIDE A WATERTIGHT WALL PENETRATION.
14. 4" UNDERGROUND SANITARY SEWER. SLOPE AT 1% MINIMUM. REFER TO CIVIL DRAWINGS BY OTHERS FOR CONTINUATION.
15. PROVIDE A TWO-WAY CLEANOUT FLUSH WITH THE FINISHED GRADE. LOCATE WITHIN 5'-0" OF BUILDING EXTERIOR WALL.
16. 2" VENT UP TO 3" VTR. PROVIDE OFFSET(S) AS REQUIRED TO LOCATE THE V.T.R. MINIMUM 18" FROM THE ROOF EDGE AND AS REQUIRED TO COORDINATE WITH THE ROOF FRAMING. ROUTE HORIZONTAL OFFSET PIPING ABOVE THE BOTTOM CHORD OF THE ROOF BAR JOISTS WITH ALLOWANCE FOR SLOPE AS REQUIRED.
17. RISE/DROP PIPING THROUGH THE PLATFORM FLOOR. FIELD VERIFY THE EXACT LOCATION.
18. ROUTE PIPING THROUGH THE TOILET ROOM CEILING PLENUM AT THE REQUIRED SLOPE. CORE DRILL PLATFORM FRAMING AS REQUIRED. INSULATE PIPING PER THE PLUMBING SPECIFICATIONS ON SHEET MP1.
19. PROVIDE TYLER PIPE DOUBLE COMBINATION WITH 2" SIDE HUB OPENING (UPC #067610-002949, SIZE 4) FOR CONNECTION OF BACK-TO-BACK WATER CLOSETS (WC-1).

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS		
REV	DATE	DESCRIPTION
1	2-26-26	OWNERS COMMENTS

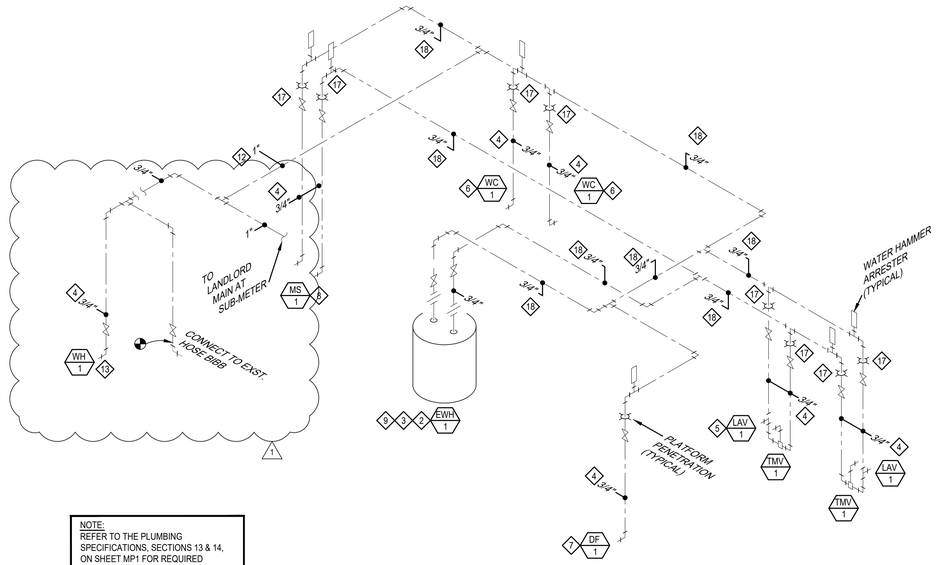
DATE 2-12-26
GROSS SQ. FT. 8,652 S.F.
PROJECT # 309
DRAWN BY: STAFF
CHECK BY: STAFF
VERSION Q1-26 83x83

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
KEVIN K. HERBERT
ENGINEER

PLUMBING FLOOR PLANS

P1



NOTE:
CONSOLIDATE PLUMBING ABOVE THE RESTROOM CEILING TO BE TIGHT TO THE WALL OR CONSOLIDATED AT THE WATER HEATER AREA.

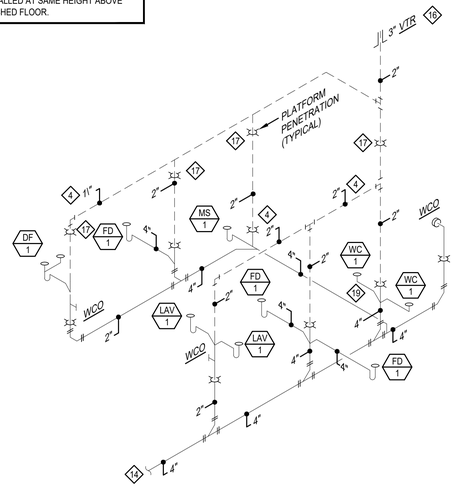
NOTE:
REFER TO THE PLUMBING SPECIFICATIONS, SECTIONS 13 & 14, ON SHEET MP1 FOR REQUIRED DOMESTIC HOT AND COLD WATER PIPING MATERIALS AND INSTALLATION REQUIREMENTS.

NOTE:
ADJACENT BALL VALVES SHALL BE INSTALLED AT SAME HEIGHT ABOVE FINISHED FLOOR.

2 P2 WATER PIPING DIAGRAM
SCALE: NONE

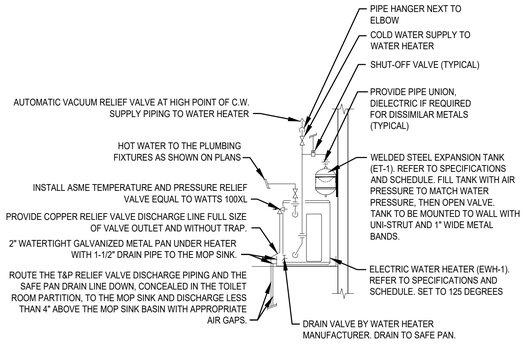
PIPING DIAGRAMS KEY NOTES:

1. WATER HEATER (WH-1) TO BE MOUNTED ON METAL SHELF ABOVE MOP SINK BY GC. SEE ARCHITECTURAL SHEET A-2 FOR MORE INFORMATION.
2. PROVIDE A 2" DEEP GALVANIZED WATERPROOF SAFE PAN UNDER THE WATER HEATER WITH A 1-1/2" DRAIN LINE TO THE MOP SINK. TERMINATE THE DRAIN LINE WITH A MIN. 3" AIR GAP. ROUTE FULL SIZE T & P RELIEF LINE WITHOUT TRAP TO DISCHARGE INTO THE MOP SINK. TERMINATE THE T & P RELIEF PIPING WITH THE APPROPRIATE AIR GAP. DRAIN LINE AND T & P RELIEF PIPING SHOULD BE CONCEALED IN THE TOILET ROOM WALL AND DISCHARGED LESS THAN 4" ABOVE THE MOP SINK BASIN.
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14. 4" UNDERGROUND SANITARY SEWER. SLOPE AT 1% MINIMUM. REFER TO CIVIL DRAWINGS BY OTHERS FOR CONTINUATION.
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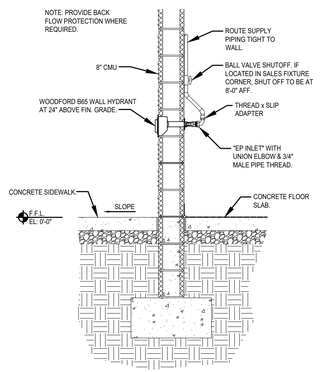
1 P2 DRAIN, WASTE & VENT PIPING DIAGRAM
SCALE: NONE

NOTE:
REFER TO THE PLUMBING SPECIFICATIONS, SECTIONS 13 & 14, ON SHEET MP1 FOR REQUIRED DRAIN, WASTE, AND VENT PIPING MATERIALS AND INSTALLATION REQUIREMENTS.

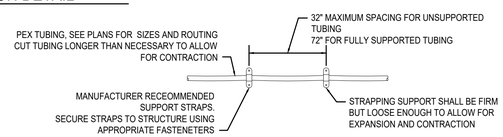


REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. VERIFY ALL CONNECTION SIZES AND LOCATIONS PER MANUFACTURERS REQUIREMENTS. ADJUST TO SUIT FIELD CONDITIONS. REFER TO PIPING DIAGRAMS FOR PIPE SIZES. PROVIDE SEISMIC STRAP OR BRACING IF/AS REQUIRED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

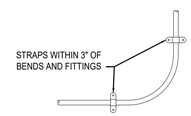
3 P2 WATER HEATER DETAIL
SCALE: NONE



4 P2 WALL HYDRANT INSTALLATION DETAIL
SCALE: NONE



7 P2 PEX TUBING INSTALLATION DETAIL
SCALE: NONE



NOTE:
- TUBING SHALL BE SUPPORTED AT EVERY FLOOR
- GUIDELINE ONLY - MANUFACTURER AND INDUSTRY STANDARDS SHALL BE FOLLOWED FOR INSTALLATION

PLUMBING FIXTURE SCHEDULE

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

MARK	DESCRIPTION
WC 1	AMERICAN STANDARD - MODEL 3517A.101.020 - CADET RIGHT HEIGHT 16-1/2" HEIGHT TOILET WITH WATER SAVER 1.6 GAL. FLUSH, HANDICAPPED ELONGATED BOWL, SIPHON JET FLUSH ACTION, SPEED CONNECT TANK/BOWL COUPLING SYSTEM, VITREOUS CHINA AND 16-1/2" RIM HEIGHT. MEETS ANSI A112.19.2 AND A117.1 REQUIREMENTS. PROVIDE WITH 4188A.104.020 OR 4188A.105.020 TANK . PROVIDE TANK WITH THE TRIP LEVER ON THE PROPER SIDE TO ALLOW FLUSH ACTION FROM THE OPEN SIDE OF TOILET AREA. ● TOILET SEAT TO BE MAINLINE MODEL ML1055SSC WHITE OPEN FRONT ELONGATED TOILET SEAT.
LAV 1	AMERICAN STANDARD - MODEL 0355.012 - LUCERNE. 20-1/2" x 18-1/4" WHITE VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW, WALL HANGER AND FAUCET HOLES ON 4" CENTERS. PROVIDE TRUEBRO LAV GUARD UNDERSINK PROTECTIVE PIPE COVERS (OR EQUAL) ON ALL PIPING UNDER LAVATORY. PROVIDE GRID DRAIN WITH OFFSET TAILPIECE TO LOCATE P-TRAP TIGHT TO WALL. ● 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 1	FIAT - MODEL MSB 2424 - FLOOR MOUNTED MOLDED STONE MOP SINK BASIN. ● 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
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, INPACT-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.
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.
EWH 1	BRADFORD WHITE - MODEL LE-16U3-1 - ELECTRIC WATER HEATER WITH 6 GALLON CAPACITY, GLASS-LINED TANK WITH 150 PSI WORKING PRESSURE, 2 KW ZINC PLATED COPPER SHEATH IMMERSION TYPE ELEMENT, FACTORY INSTALLED DRAIN VALVE AND FACTORY INSTALLED ANODE ROD, OPERATING AT 120V, SINGLE 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. RECOM-MENDATIONS. ADJUST PRE-CHARGE TO SYSTEM FILL PRESSURE.
WH 1	WOODFORD - MODEL B65 - FREEZEPROOF ANTI-SIPHON CLOSE-COUPLED WALL HYDRANT WITH CHROME WATER BOX, ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY. INSTALL AT 24" ABOVE FINISHED GRADE. PROVIDE LOOSE TEE KEY TO ADVANCE AUTO PARTS REPRESENTATIVE AT PROJECT CLOSE-OUT.
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 FIL-TER 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.
TP 1	PRECISION PLUMBING PRODUCTS, INC. - MODEL PR-500 PRIME RITE - AUTOMATIC TRAP PRIMER VALVE. INSTALL PER MFR'S. INSTRUCTIONS. SLOPE UNDERFLOOR TRAP SUPPLY PIPING AT 1% MIN. IN THE DIRECTION OF FLOW.

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
FLA	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).

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS		
REV	DATE	DESCRIPTION
1	2-20-26	OWNER'S COMMENTS

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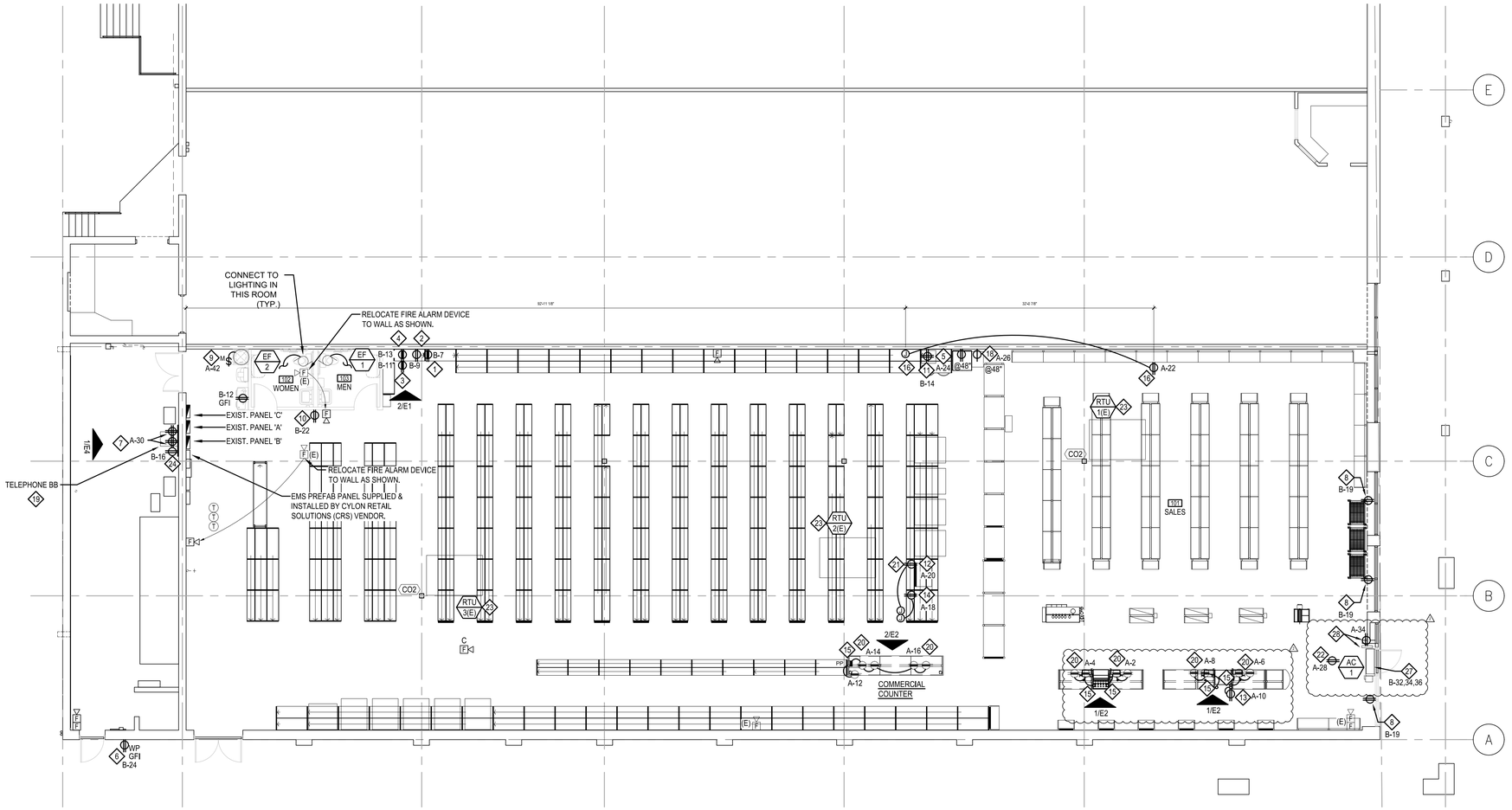
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — KEVIN K. HERBERT — ENGINEER

PLBG. SCHEDULE AND DETAILS

P2



ELECTRICAL POWER PLAN

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

TRUE NORTH PLAN NORTH

EAS SYSTEM INSTALLATION NOTE:
BELOW ARE THE ITEMS THAT ARE RUN BY CONTROLTEK, ANY ADDITIONAL ITEMS REQUIRED NEED TO BE COORDINATED WITH THE CM PRIOR TO INSTALLATION.

1. NETWORK MUST BE AVAILABLE AND LIVE - CONTROLTEK WILL RUN A CAT5 CABLE FROM PEDESTALS TO NETWORK PANEL INTO THE PORT SWITCHES BELOW.
2. ARUBA 2930F SWITCH - SWITCH 1 PORT 1/10 ON THE NON-POS VLAN 2.
3. ARUBA S1500 SWITCH - SWITCH 0 PORT 0/0/9 ON THE NON-POS VLAN 2.

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.
$	20 AMP, 277 VOLT SINGLE POLE SWITCH MOUNTED 48" A.F.F. U.N.O. WHITE COLOR
$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
	ELECTRICAL MOTOR STARTER / DISCONNECT SWITCH. SEE PLANS FOR SPECIFICATION
A-32	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.
#	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.
90	FACTORY INSTALLED DUCT SMOKE DETECTOR.

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.

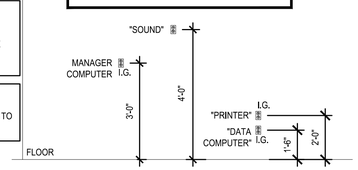
POWER GENERAL NOTES:
1. PROVIDE NEW RECEPTACLES AND COVERS. COLOR SHALL BE WHITE.
2. ELECTRICAL CONTRACTOR SHALL PLACE CONDUIT DROPS AFTER COUNTERS ARE SET.

NOTE TO CONTRACTOR:
G.C. TO PLAN FOR AND INSTALL APPROXIMATELY 5 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:
GENERAL NOTE - ALL IG OUTLETS TO BE ORANGE. ALL OTHER OUTLETS ARE WHITE UNLESS THEY ARE IG OR IN THE KICKPLATE. ALL KICKPLATE OUTLETS TO BE BLACK.

ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ¾" CONDUIT W/PULL WIRE THROUGH WALL 8'-0" ABOVE EMS PANEL LOCATION, EXTENDING 3" BEYOND EXTERIOR WALL FOR EXTERIOR TEMPERATURE & LIGHT SENSOR (BY OTHERS).

OUTLET LOCATIONS WHERE OFFICE DESK IS ADJACENT TO STOREFRONT GLAZING
MOUNT UNISTRUT TO THE BACK OF THE UPRIGHT AND RUN WIRE OVER HEAD SO THAT IT DROPS DOWN FROM THE CEILING IN A CONDUIT OR POWER POLE. AFTER RUNNING THE CONDUIT DOWN TO THE UNISTRUT, MOUNT THE RECEPTACLES TO THE UNISTRUT AT HEIGHTS AS SHOW BELOW.



2/E1 OFFICE OUTLET ELEVATIONS

SCALE: N.T.S.

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 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#10, 1#10 GND.
10. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE @24" AFF. FOR FLOOR CLEANER CHARGER, COORDINATE EXACT LOCATION WITH OWNER.
11. FURNISH AND INSTALL ONE (1) QUADRAPLEX RECEPTACLE @36" AFF.
12. FURNISH AND INSTALL ONE (1) DUPLEX RECEPTACLE @48" AFF FOR BATTERY CHARGER.
13. 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.
14. FURNISH AND INSTALL A DUPLEX RECEPTACLE @18" AFF FOR WORK BENCH.
15. 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.
16. 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.
17. ~~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.~~
18. FURNISH AND INSTALL A DUPLEX RECEPTACLE ON A SEPARATE CIRCUIT FOR BATTERY FAST CHARGER UNIT. LABEL CIRCUITS.
19. PLYWOOD TELEPHONE AND SECURITY EQUIPMENT BACKBOARD BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS. PREP/PRIME/PAINT BOARD WITH FIRE RETARDANT GRAY PAINT.
20. 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.
21. 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.
22. 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.
23. EXISTING RTU TO REMAIN.
24. 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 GUAGE.
25. 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.
26. ~~UNIT HEATER FURNISHED WITH SERVICE DISCONNECT SWITCH AND THERMOSTAT. CONNECT TO CIRCUIT INDICATED.~~
27. AIR CURTAIN FURNISHED WITH SERVICE DISCONNECT SWITCH AND THERMOSTAT. CONNECT TO CIRCUIT INDICATED.
28. NEW EAS SYSTEM. G.C. TO LOCATE DUPLEX AND POWER MODULES AS REQUIRED. COORDINATE WITH CM.

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.

HVAC CONTROL KEYED NOTES

M1. 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.

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

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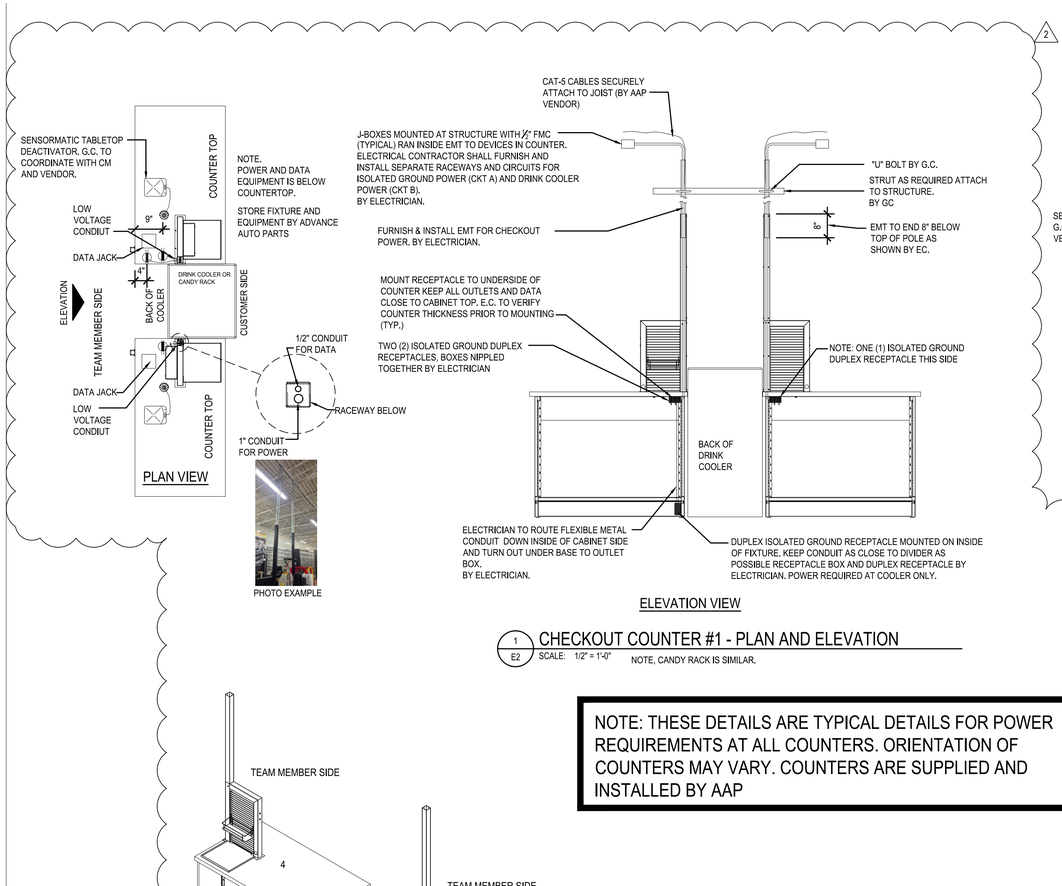
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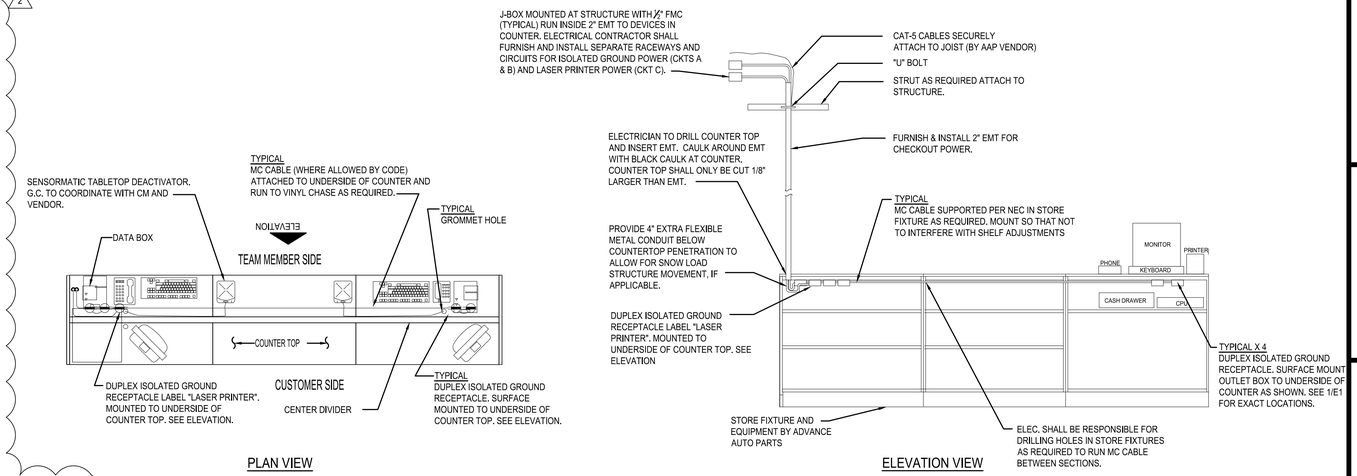
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ENGINEER

POWER PLAN NOTES AND DETAILS

E1



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

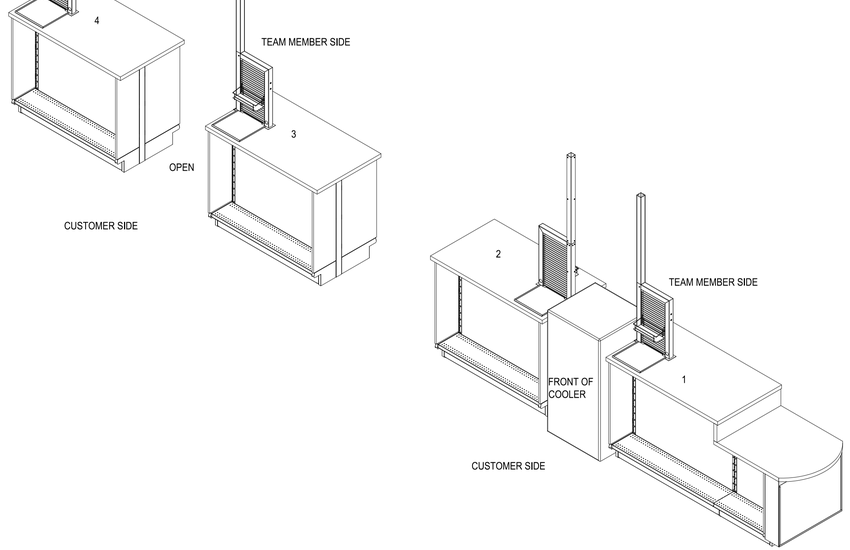


2 E2 PROFESSIONAL SALES COUNTER - PLAN AND ELEVATION
SCALE: 1/2" = 1'-0"

NOTE: THESE DETAILS ARE TYPICAL DETAILS FOR POWER REQUIREMENTS AT ALL COUNTERS. ORIENTATION OF COUNTERS MAY VARY. COUNTERS ARE SUPPLIED AND INSTALLED BY AAP

NOTE: KEEP ALL OUTLETS AND DATA WITH IN 10" OF THE COUNTER SIDE UNLESS OTHERWISE NOTED.

NOTE: SEE SHEET E3 AND A3 FOR LOCATION OF POWER POLES AND ORIENTATION OF COUNTERS



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

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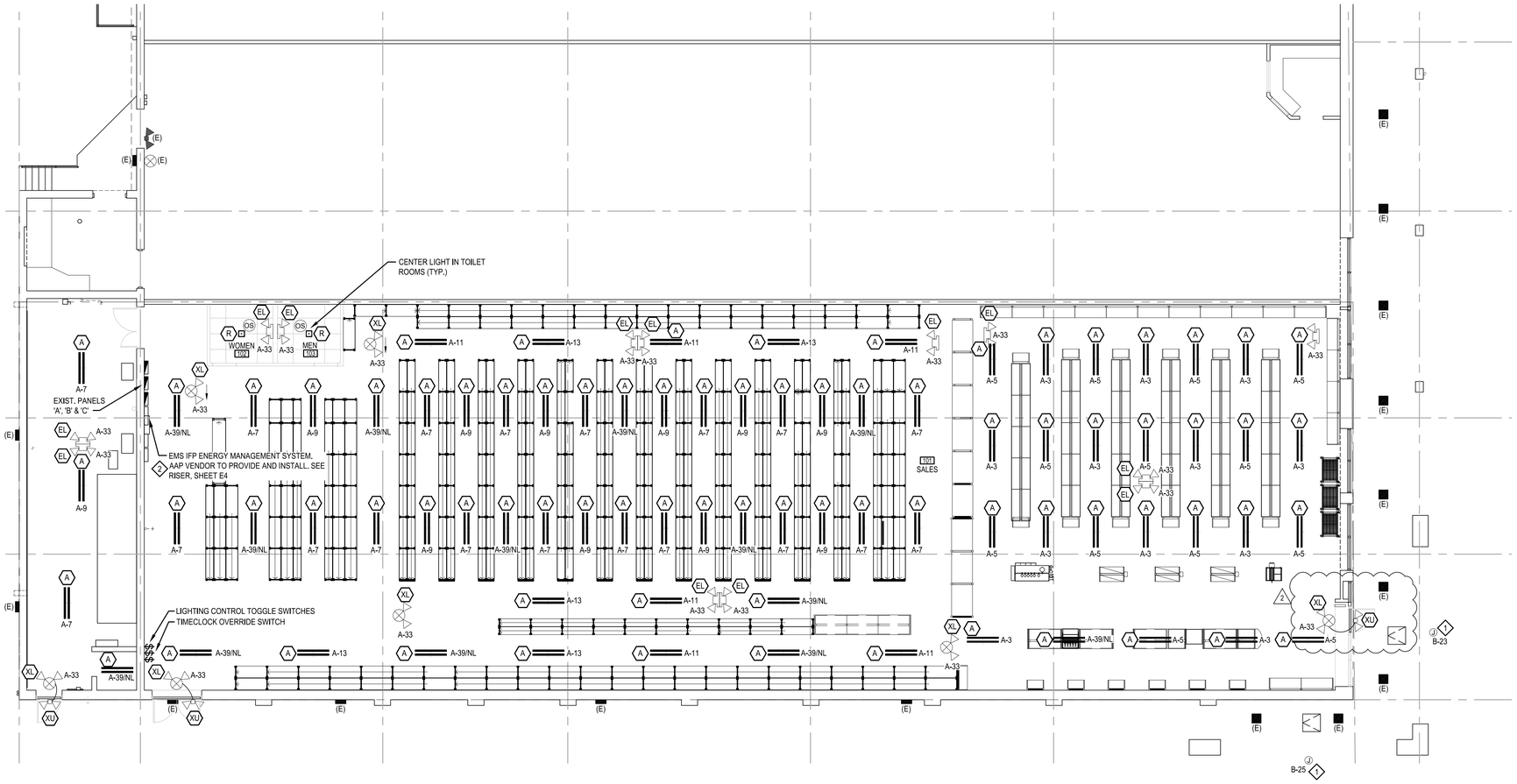
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ENLARGED COUNTER DETAILS

E2



1 E3 ELECTRICAL LIGHTING PLAN

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

TRUE NORTH PLAN NORTH

NOTE

SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR LIGHTING LOCATION DIMENSIONS

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 PLACE 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 RELATIVE 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 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.

LIGHTING PLAN KEYED NOTES

1. PRIOR TO INSTALLATION 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.

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
	INTERIOR EMERGENCY LUMINAIRE
	EXTERIOR DECORATIVE WALL LIGHT
	EXTERIOR WALL PACK
OS	OCCUPANCY SENSOR WITH DUAL TECHNOLOGY (ULTRASONIC AND INFRA RED) AND OFF SWITCH. WALL MOUNT AT 48" AFF. RESTROOMS: HUBBELL #LHMTS1
7	LIGHTING LUMINAIRE SYMBOL TYPE. REFER TO LUMINAIRE SCHEDULE
A-XX	INDICATES PANEL DESCRIPTION & CIRCUIT NUMBERS
	20 AMP, 125 VOLT DUPLEX RECEPTACLE FLUSH MOUNTED IN SUSPENDED CEILING TILE, U.N.O. WHITE COLOR.

LUMINAIRE SCHEDULE

(ALL LUMINARIES MAY NOT NECESSARILY BE USED ON PROJECT)

TYPE	QTY.	MANUFACTURER	MODEL NUMBER	LAMPS PER FIXTURE NO.	LAMPS PER FIXTURE OSRAM/SYLAVANIA TYPE	WATTS	VOLTAGE	COLOR	MOUNTING	REMARKS
A	79	US LED	ST1-4-UNV-4-27A-35-GL-DE-TWS1	2	LED	31.8	120	WHITE	14'-0" A.F.F.	NOTES 1,2,3,10
EL	12	LITHONIA	ELM6L-UVOLT-LTP-SDRT	2	(2) 5.3 WATT LED INCLUDED	10.6	9.6-12.8V	WHITE	14'-0" A.F.F. OR MATCH GENERAL LIGHTING	CONNECT DC WIRING TO EU FIXTURE, NOTE 6
EU	0	LITHONIA	ELMRESP1100LT	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	2	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	10	LED	13.21	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNT'G HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
WW	0	LITHONIA	DSXW1 LED 10C 350 50K T3M 120 PE DSSXD	10	LED	13.21	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNT'G HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
WW	0	LITHONIA	DSXW1 LED 20C 700 50K T3M MVOLT DSSXD	20	LED	47	120	SANDSTONE	REFER TO ARCH. ELEV. FOR MNT'G HT'S	NOTES 1,5 FIXTURE NOT TO BE PAINTED
XL	7	LITHONIA	LHQMSWRGMVOLTHO	-	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	3	LITHONIA	ELMRW LP220L DWHXD (White)	-	5.4W LAMPS INCLUDED	12	120/277		REFER TO ARCH. ELEV. FOR MNT'G HT'S	CONNECT REMOTE FIXTURES TO "XL", NOTE 7
ET	0	LITHONIA	ELM2L	2	(2) 5.4 WATT KRYPTON INCLUDED	20	6V	WHITE	REFER TO ARCH. ELEV. FOR MNT'G HT'S	NOTES 1,2,8
S	0	US LED	LINEARSTAR	-	LED	18.5	120V	GRAY	REFER TO ARCH. ELEV. FOR MNT'G HT'S	NOTES 1 LENGTH AS REQUIRED BY SIGN

LIGHT FIXTURE SCHEDULE NOTES:

1. ELEC. SHALL FURNISH AND INSTALL ALL LUMINARIES AND LAMPS AS SPECIFIED. LUMINARIES AND LAMPS 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 PLAN 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. NOT USED.
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) 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 RELATIVE TO THE OTHER LIGHT FIXTURES IN THAT ROW.

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LIGHTING PLAN, SCHEDULE & NOTES

E3

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 ZONE, 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.

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.

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 1/2" ELECTRICAL METALLIC TUBING "EMT" MINIMUM.

C. THE USE OF MC IS PERMITTED 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. SEALTITE 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. 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 DOWN CENTER OF AISLES.

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

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.

DISTRIBUTION EQUIPMENT:

A. ALL NEW PANELBOARDS & CONTACTORS SHALL BE FURNISHED AND INSTALLED BY ELEC. 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.

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.

Panel ID: A — Voltage: 208 / 120 — Panel Type: EXISTING
Location: B.O.H. — Phase: 3 — Encl. Type: EXISTING
Mounting: SURFACE — Wire: 4 — AIC: EXISTING
Main Type: MCB — Bus Amperage: 150 Amps

All phases to be balanced to within 7% using actual connected loads.

CKT NO.	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	CKT NO.
1	12	LTG: SALES	20/1	LC1	0.704	0.704	A	0.720	0.720	IG/LO	20/1	REC: CHECK OUT COUNTER	12	2
3	12	LTG: SALES	20/1	LC2	0.768	0.768	B	0.500	0.500	IG/LO	20/1	REC: PARTS COUNTER	12	4
5	12	LTG: SALES	20/1	LC1	0.832	0.832	C	0.720	0.720	IG/LO	20/1	REC: CHECK OUT COUNTER	12	6
7	12	LTG: SALES	20/1	LC2	0.704	0.704	A	0.500	0.500	IG/LO	20/1	REC: PARTS COUNTER	12	8
9	12	LTG: SALES	20/1	LC2	0.768	0.768	B	0.700	0.700	IG/LO	20/1	REC: DRINK COOLER	12	10
11	12	LTG: SALES	20/1	LC2	0.704	0.704	C	1.000	1.000	IG/LO	20/1	REC: COMM COUNTER PTR	12	12
13	12	LTG: SALES	20/1	LC1	0.768	0.768	A	0.700	0.700	IG/LO	20/1	REC: COMM COUNTER	12	14
15	10	LTG: PARKING LOT	20/1	E	1.000	1.000	B	0.700	0.700	IG/LO	20/1	REC: COMM COUNTER	12	16
17		SPARE	20/1	E	0.000	0.000	C	0.200	0.200	E	20/1	REC: WORK BENCH	12	18
19	12	LTG.; EXT. BLDG.	20/1	LC3	0.380	0.380	A	0.200	0.200	E	20/1	REC: BATTERY CHGR STA	12	20
21	12	LTG: LOADING DOCK	20/1	LC3	0.020	0.020	B	0.200	0.200	E	20/1	REC: GENERAL SALES	12	22
23	12	LTG: SIGN - BUILDING	20/1	LC4	1.200	1.200	C	1.400	1.400	HM	20/1	REC: ALT/STARTER TEST	12	24
25	12	LTG: SIGN - BUILDING	20/1	LC4	1.200	1.200	A	1.000	1.000	E	20/1	REC: BATT FAST CHGR	12	26
27	12	LTG: PYLON SIGN	20/1	E	1.200	1.200	B	0.200	0.200	E	20/1	REC: GREETER/SEC MON	12	28
29	12	REC: PYLON SIGN	20/1	E	0.180	0.180	C	0.700	0.700	E	20/1	REC: TELEPHONE/SEC	12	30
31	12	SPARE	20/1	E	0.000	0.000	A	0.200	0.200	LO	20/1	EMS SYSTEM	12	32
33	12	LTG: EMERGENCY/EXIT LIGHTS	20/1	LO	0.170	0.170	B	0.180	0.180	LO	20/1	REC: EAS SYSTEM	12	34
35		SPARE	20/1	E	0.180	0.180	C	0.000	0.000			SPACE		36
37		SPARE	20/1	E	0.000	0.000	A	0.000	0.000			SPACE		38
39	12	LTG: NIGHT LIGHTS	20/1	LO	0.960	0.960	B	0.000	0.000			SPACE		40
41		SPARE	20/1	E	0.000	0.000	C	3.000	3.000	N	30/1	WATER HEATER	10	42

Actual Load Panel Summary

Phase A:	7.1 KVA	
Phase B:	7.4 KVA	
Phase C:	10.1 KVA	
Total:	24.6 KVA	

N.E.C. Load Panel Summary

Phase A:	7.1 KVA	59.0 AMPS
Phase B:	7.4 KVA	61.4 AMPS
Phase C:	10.1 KVA	84.3 AMPS
Total:	24.6 KVA	68.2 AMPS

Breaker Options (If Used):
LC - WIRE THROUGH LIGHTING CONTACTOR
LO - LOCK-ON DEVICE
IG - ISOLATED GROUND CONDUCTOR
HM - HIGH MAGNETIC CIRCUIT BREAKER

Panel ID: B — Voltage: 208 / 120 — Panel Type: EXISTING
Location: B.O.H. — Phase: 3 — Encl. Type: EXISTING
Mounting: SURFACE — Wire: 4 — AIC: EXISTING
Main Type: 200 MCB — Bus Amperage: 200 Amps

All phases to be balanced to within 7% using actual connected loads.

CKT NO.	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	CKT NO.
1		SPARE	20/1	E	0.000	0.000	A	0.000	0.000	E	20/1	SPARE		2
3		SPARE	20/1	E	0.000	0.000	B	0.000	0.000	E	20/1	SPARE		4
5		SPARE	20/1	E	0.000	0.000	C	0.000	0.000	E	20/1	SPARE		6
7	12	REC: MGR. DESK COMP.	20/1	E	1.200	1.200	A	0.000	0.000	E	20/1	SPARE		8
9	12	REC: MGR. DESK SOUND	20/1	E	0.720	0.720	B	0.000	0.000	E	20/1	SPARE		10
11	12	REC: MGR. DESK PTR	20/1	E	0.500	0.500	C	0.000	0.000	E		SPACE	12	12
13	12	REC: MGR. DESK DATA	20/1	E	0.500	0.500	A	0.800	0.800	E	20/1	REC: REFRIG	12	14
15		SPARE	20/1	E	0.000	0.000	B	0.180	0.180	E	20/1	EQ: LAWN IRRIG.	12	16
17	12	ROOF GFI RECEPT.	20/1	E	0.700	0.700	C	0.000	0.000	E	20/1	SPARE		18
19	12	REC: SHOW WINDOWS	20/1	E	0.200	0.200	A	0.000	0.000	E	20/1	SPARE		20
21	12	REC: SHOW WINDOWS	20/1	E	0.200	0.200	B	0.200	0.200	E	20/1	REC: FLOOR CLEANER / CHGR	12	22
23		SPARE	20/1	E	0.000	0.000	C	0.180	0.180	E	20/1	REC.; EXT. BLDG	12	24
25		SPARE	20/1	E	0.000	0.000	A	0.000	0.000	E	20/1	SPARE		26
27		SPARE	20/1	E	0.000	0.000	B	0.000	0.000	E	20/1	SPARE		28
29		SPARE	20/1	E	0.000	0.000	C	0.000	0.000	E	20/1	SPARE		30
31		SPARE	20/1	E	0.000	0.000	A	2.667	2.667	N	35/3	AIR CURTIAN AC-1	8	32
33		SPARE	20/1	E	0.000	0.000	B	2.667	2.667		--	---	8	34
35		SPARE	20/1	E	0.000	0.000	C	2.667	2.667		--	---	8	36
37		SPARE	20/1	E	0.000	0.000	A	0.000	0.000	E	20/1	SPARE		38
39		SPARE	20/1	E	0.000	0.000	B	0.000	0.000	E	20/1	SPARE		40
41		SPARE	20/1	E	0.000	0.000	C	0.000	0.000	E	20/1	SPARE		42

Actual Load Panel Summary

Phase A:	5.4 KVA
Phase B:	4.0 KVA
Phase C:	4.0 KVA
Total:	13.4 KVA

N.E.C. Load Panel Summary

Phase A:	5.4 KVA	44.7 AMPS
Phase B:	4.0 KVA	33.1 AMPS
Phase C:	4.0 KVA	33.7 AMPS
Total:	13.4 KVA	37.1 AMPS

Breaker Options (If Used):
GF - GROUND FAULT BREAKER
LO - LOCK-ON DEVICE
E - EXISTING BREAKER TO REMAIN
N - NEW BREAKER TO MATCH AIC RATING

Panel ID: C — Voltage: 208 / 120 — Panel Type: EXISTING
Location: B.O.H. — Phase: 3 — Encl. Type: EXISTING
Mounting: SURFACE — Wire: 4 — AIC: EXISTING
Main Type: MCB — Bus Amperage: 300 Amps

All phases to be balanced to within 7% using actual connected loads.

CKT NO.	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	CKT NO.
1		RTU-1	125/6	E	6.000	6.000	A	0.000	0.000	N	20/1	SPARE		2
3		----	--		6.000	6.000	B	0.000	0.000	N	20/1	SPARE		4
5		----	--		6.000	6.000	C	0.000	0.000	N	20/1	SPARE		6
7		----	--		6.000	6.000	A	0.000	0.000	N	20/1	SPARE		8
9		----	--		6.000	6.000	B	0.000	0.000	N	20/1	SPARE		10
11		----	--		6.000	6.000	C	0.000	0.000	N	20/1	SPARE		12
13		RTU-3	100/3	E	9.607	9.607	A	6.000	6.000	E	125/6	RTU-2		14
15		----	--		9.607	9.607	B	6.000	6.000		--	----		16
17		----	--		9.607	9.607	C	6.000	6.000		--	----		18
19		SPARE	20/1	E	0.000	0.000	A	6.000	6.000		--	----		20
21		SPARE	20/1	E	0.000	0.000	B	6.000	6.000		--	----		22
23		SPARE	20/1	E	0.000	0.000	C	6.000	6.000		--	----		24
25		SPARE	20/1	E	0.000	0.000	A	0.000	0.000	E	20/1	SPARE		26
27		SPARE	20/1	E	0.000	0.000	B	0.000	0.000	E	20/1	SPARE		28
29		SPARE	20/1	E	0.000	0.000	C	0.000	0.000	E	20/1	SPARE		30
31		SPARE	20/1	E	0.000	0.000	A	0.000	0.000	E	20/1	SPARE		32
33		SPARE	20/1	E	0.000	0.000	B	0.000	0.000	E	20/1	SPARE		34
35		SPARE	20/1	E	0.000	0.000	C	0.000	0.000	E	20/1	SPARE		36
37		SPACE			0.000	0.000	A	0.000	0.000			SPACE		38
39		SPACE			0.000	0.000	B	0.000	0.000			SPACE		40
41		SPACE			0.000	0.000	C	0.000	0.000			SPACE		42

Actual Load Panel Summary

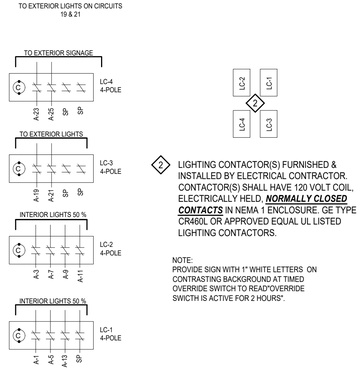
Phase A:	33.6 KVA	
Phase B:	33.6 KVA	
Phase C:	33.6 KVA	
Total:	100.8 KVA	

N.E.C. Load Panel Summary

Phase A:	33.6 KVA	280.1 AMPS
Phase B:	33.6 KVA	280.1 AMPS
Phase C:	33.6 KVA	280.1 AMPS
Total:	100.8 KVA	279.9 AMPS

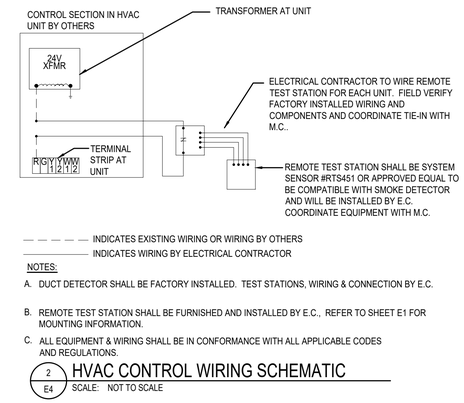
Breaker Options (If Used):
E - EXISTING BREAKER TO REMAIN
N - NEW BREAKER TO MATCH AIC RATING

NOTE
BUILDING MOUNTED LIGHTS TO BE ON FROM DUSK TILL DAWN



2 LIGHTING CONTACTOR(S) FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR. CONTACTOR(S) SHALL HAVE 120 VOLT COIL, ELECTRICALLY HELD, ***NORMALLY CLOSED CONTACTS*** IN NEMA 1 ENCLOSURE. GE TYPE CR460L OR APPROVED EQUAL UL LISTED LIGHTING CONTACTORS.

NOTE:
PROVIDE SIGN WITH 1" WHITE LETTERS ON CONTRASTING BACKGROUND AT TIMED OVERRIDE SWITCH TO READ"OVERRIDE SWICTH IS ACTIVE FOR 2 HOURS".



— — — — — INDICATES EXISTING WIRING OR WIRING BY OTHERS
———— INDICATES WIRING BY ELECTRICAL CONTRACTOR

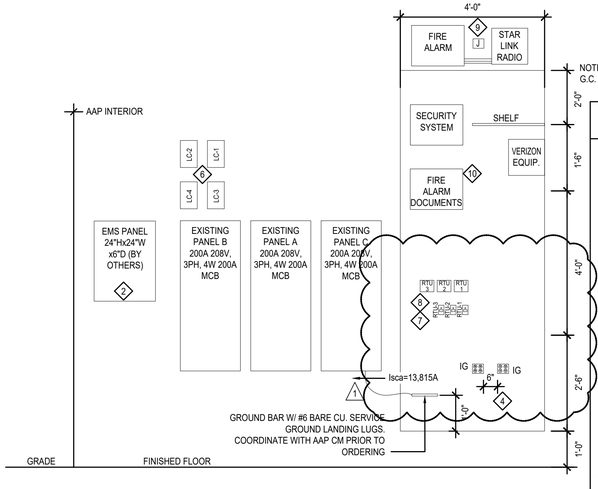
NOTES:

A. DUCT DETECTOR SHALL BE FACTORY INSTALLED. TEST STATIONS, WIRING & CONNECTION BY E.C.

B. REMOTE TEST STATION SHALL BE FURNISHED AND INSTALLED BY E.C., 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



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

KEYED NOTES

1. ~~#1/0 COPPER BARE GROUND TO COLD WATER PIPE, BUILDING STEEL, 3/4"x10' GROUND RODS, 20' OF BARE #4 CONDUCTOR IN CONCRETE FOOTING.~~
2. EMS PREFAB PANEL, SUPPLIED AND INSTALLED BY AAP VENDOR, SEE T1.0. E.C. TO LEAVE 24"x24" SPACE NEXT TO LIGHTING PANEL FOR EMS PANEL.
3. ~~ELECTRIC PANELBOARD FURNISHED AND INSTALLED BY ELEC CONTRACTOR. PANELBOARD INSTALLED ADJACENT TO 4'x10' PHONEBOARD. REFER TO PANEL SCHEDULES AND SPECIFICATIONS THIS SHEET.~~
4. INSTALL DUPLEX RECEPTACLE (FOR IRRIGATION TIMER) AND QUADRAPLEX RECEPTACLES (FOR TELEPHONE/SECURITY) 6" APART FOR TELEPHONE AND SECURITY EQUIPMENT. PROVIDE SEPARATE CIRCUITS AND ON A DEDICATED I.G. CIRCUIT.
5. ~~2'x4' BACKBOARD (30" MIN. ABOVE BOTTOM OF PHONEBOARD) WITH PHONE EQUIPMENT TO BE MOUNTED TO 4'x10' PHONEBOARD. LOCATE ON PHONEBOARD AS INDICATED.~~
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 E.C.
8. RTU THERMOSTATS MOUNTED ON PHONE BOARD AT 4'-0" AFF IN NUMERICAL ORDER LEFT TO RIGHT AS INDICATED.
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 CIRCUIT 36 WITH A LOCKOUT. REFER TO FIRE ALARM DRAWINGS.
10. LOCATION OF FUTURE FIRE ALARM DOCUMENTS BOX.

Advance Auto Parts
STORE # 108056
7615 Lindbergh Blvd.
Philidelphia, PA. 19153

REVISIONS

REV	DATE	DESCRIPTION
1	2-20-26	OWNER'S COMMENTS

DATE 2-12-26 — GROSS SQ. FT. 8,652 S.F.

PROJECT # 309
DRAWN BY: STAFF
CHECK BY: STAFF

VERSION Q1-26 83x83

ALL REPORTS, PLANS, SPECIFICATIONS, FIELD DATA, NOTES AND OTHER DOCUMENTS, INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA, PREPARED BY THE DESIGN PROFESSIONAL AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR CONSENT OF THE DESIGN PROFESSIONAL. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE, ARE HEREBY SPECIFICALLY RESERVED.

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — VIRGIL W. ELLETT — ENGINEER

SPECIFICATIONS, PANEL SCHEDULES, & RISER DIAGRAM

E4