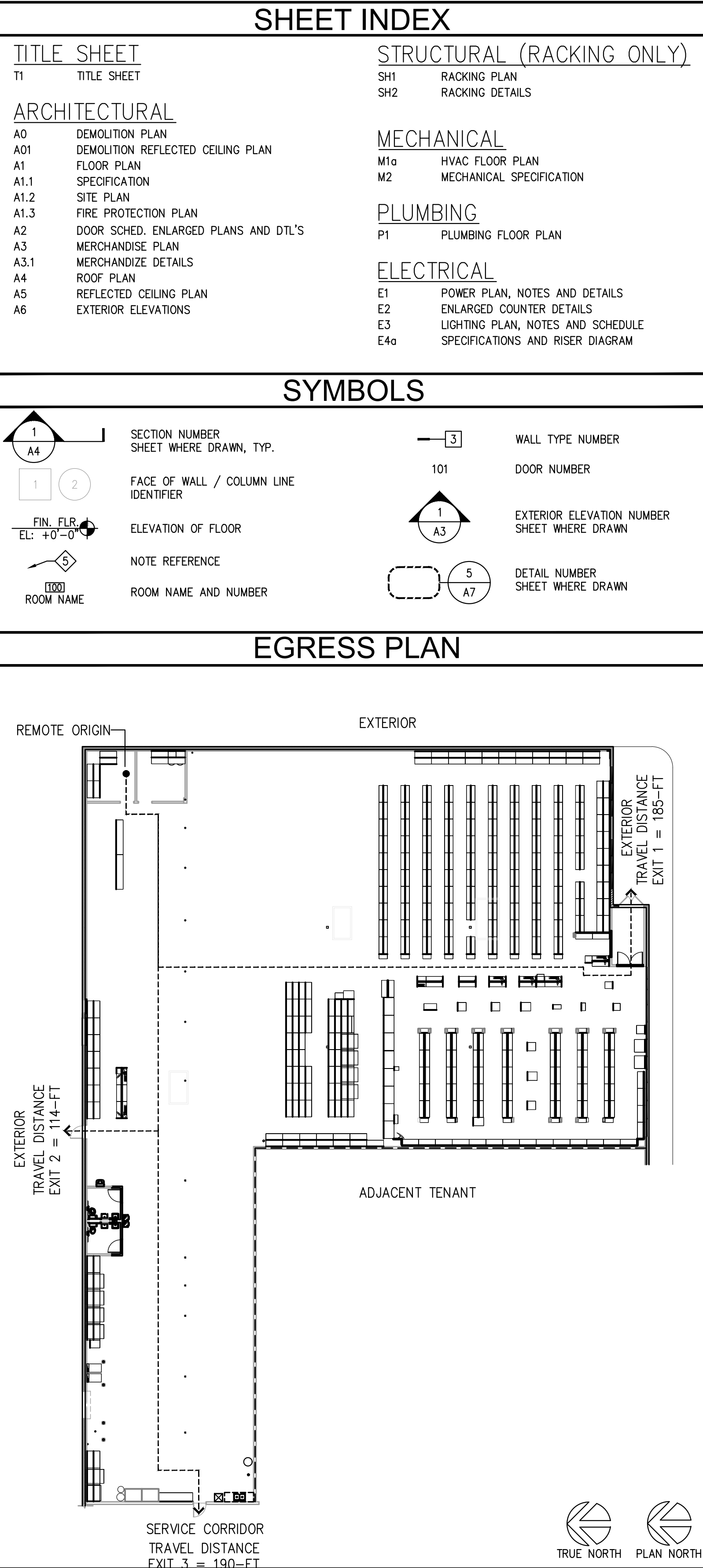


125 VALLEY RIVER ROAD
Rexbury, ID 83440

RESPONSIBILITY MATRIX				23 MARCH 18
ITEM:	FURNISHED BY:	INSTALLED BY:	COMMENTS:	
STEEL	G.C.	G.C.	NATIONAL ACCOUNT PREFERRED PRICING AVAILABLE THROUGH LIBERTY STEEL FABRICATION, INC. 256-623-3027 AAP@LIBERTYSTEEELINC.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: CAROL VAVONESE AT Carol.J.Vavonese@carrier.com AND COPY STRATEGICACCOUNTS2@CARRIER.UTC.COM PHONE: 973-222-6742	
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, RACKING SYSTEM AND GONDOLAS	AAP	AAP	PER STRUCTURAL DESIGN	
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 ROOMS, 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 RICHMOND ELECTRIC SUPPLY COMPANY (RESCO) 804-353-2511 EMAIL: AAP@RESCOUSA.COM	
EXTERIOR LIGHT FIXTURES & SITE LIGHTING	G.C.	G.C.	EXG TO REMAIN. FOR ANY REQUIRED REPLACEMENT, GC TO CONTACT RICHMOND ELECTRIC SUPPLY COMPANY (RESCO) 804-353-2511 EMAIL: AAP@RESCOUSA.COM	
INTERIOR LIGHTING	G.C.	G.C.	NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT US LED 866-972-9191 EMAIL: AAP@USLED.COM	
PLUMBING FIXTURES	EXG/LL	EXG/LL	NATIONAL ACCOUNTS PREFERRED PRICING AVAILABLE THROUGH HAINES, JONES & CADBURY 800-459-7099 EMAIL: AAP@HJCINC.COM	
PYLON SIGN	AAP	AAP	E.C. TO PROVIDE A SEPARATE UNDERGROUND CIRCUIT FOR PYLON SIGN. G.C. TO MAKE ALL NECESSARY CONNECTIONS AND INSTALL A WEATHERPROOF RECEPTACLE AT BASE OF POLE, AS NOTED ON PLAN.	
ALUMINUM STOREFRONT	EXG/LL	EXG/LL	N/A	
BUILDING SIGNAGE	AAP	AAP	E.C. TO PROVIDE ELECTRICAL CIRCUITS AS NOTED ON PLAN.	
TOILET TISSUE DISPENSER PAPER TOWEL DISPENSER SOAP DISPENSER	AAP	G.C.	WILL BE SHIPPED WITH THE STORE FIXTURE PACKAGE	
"COMING SOON" SIGN	AAP	AAP	AAP VENDOR (GC TO REMOVE SIGN)	
FIRE ALARM & SECURITY ALARM	*AAP	*AAP	IF REQUIRED BY CODE: E.C. TO PROVIDE ELECTRICAL CIRCUITS AS REQUIRED. *ON L.L. UPFIT IN-LINE SHOPPING CENTER PROJECTS FIRE ALARM WILL BE FURNISHED & INSTALLED BY L.L.	
PAINT	G.C.	G.C.	PPG NATIONAL ACCOUNT/NO SUBSTITUTIONS. PHONE: 866-298-7245 EMAIL: ADVANCEAUTO@PPG.COM	
LOW VOLTAGE CABLES (VOICE, DATA, SPEAKERS)	AAP	AAP	AAP VENDOR TO FURNISH & INSTALL ALL CABLES AND SECURE ALL PERMITS	
ROOFING (MATERIAL)	N/A	N/A	N/A	
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	
ENERGY MANAGEMENT SYSTEM (EMS)	AAP	AAP	NATIONAL ACCOUNT/NO SUBSTITUTIONS. CONTACT CYLON RETAIL SOLUTIONS (CRS) (FORMERLY TELETRON) NATIONAL ACCOUNTS HOTLINE (888) 211-6789	
PAINT MIXING ROOM ASSEMBLY	N/A	N/A	N/A	
PAINT MIXING AREA	N/A	N/A	N/A	

- GENERAL NOTES**
- 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.)
 - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ADVANCE AUTO PARTS OF ANY DISCREPANCIES PRIOR TO BIDDING.
 - ALL MATERIALS INDICATED AS NEW SHALL BE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED. NO SUBSTITUTIONS ALLOWED.
 - 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.
 - CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS/PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRIAL/ASSOCIATION STANDARDS.
 - 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.
 - GENERAL CONTRACTOR TO PROVIDE THE FOLLOWING CLOSE OUT DOCUMENTS:
 - LIST OF SUBCONTRACTORS
 - COPIES OF ALL PERMITS
 - HVAC TEST AND BALANCE REPORT
 - ROOF WARRANTY
 - PAVEMENT CERTIFICATION (ASPHALT & CONCRETE)
 - COPY OF CERTIFICATE OF OCCUPANCY LISTING ADVANCE STORES COMPANY, INC. AS THE "OCCUPANT" D.B.A. ADVANCE AUTO PARTS.
 - FINAL LIEN WAIVERS AND AFFIDAVITS TO BE PROVIDED BY ALL VENDORS AND SUPPLIERS FOR CONTRACTOR.
 - ALL CLOSE-OUT DOCUMENTS ARE TO BE POSTED ELECTRONICALLY TO CARS
 - G.C. IS TO PLACE A SET OF AS-BUILT DRAWINGS IN A PVC TUBE LOCATED PER AAP C.M.'S DIRECTION.
 - FINAL CLEANING - COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE REQUESTING FINAL INSPECTION.
 - REMOVE LABELS THAT ARE NOT PERMANENT LABELS.
 - CLEAN TRANSPARENT MATERIALS, INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS. REMOVE GLAZING COMPOUND AND OTHER SUBSTANCES THAT ARE NOTICEABLE VISION-OBSCURING MATERIALS.
 - CLEAN EXTERIOR AND INTERIOR HARD-SURFACED FINISHES TO A DUST-FREE CONDITION, FREE OF STAINS, FILMS AND SIMILAR FOREIGN SUBSTANCES. LEAVE CONCRETE FLOORS BROOM CLEAN.
 - CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION. CLEAN LIGHT FIXTURES AND LAMPS.
 - 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.
 - COMPLY WITH REGULATIONS OF AUTHORITIES HAVING JURISDICTION AND SAFETY STANDARDS FOR CLEANING.
 - PRESSURE WASH ENTIRE PARKING LOT AND WALKWAYS ADJACENT TO BUILDING.
 - GENERAL CONTRACTOR RESPONSIBLE TO PRODUCE WEEKLY STATUS REPORT.

DEFERRED SUBMITTALS	
EXTERIOR SIGNAGE WILL BE INSTALLED UNDER SEPARATE PERMIT	
PROJECT DIRECTORY	
LANDLORD: PACCRA	
ADDRESS:	125 VALLEY RIVER DR REXBURY, ID 83440
CONTACT:	SARA STROPSHINE, TENANT COORD.
PHONE:	(208) 287-9494
EMAIL:	sara.shropshire@paccra.com
TENANT: ADVANCE AUTO PARTS, INC.	
ADDRESS:	5008 AIRPORT ROAD NW. ROANOKE, VA 24012
CONTACT:	THOMAS NIELSON, CONST MANAGER
PHONE:	(540) 561-3441
EMAIL:	thomas.nielson@advance-Auto.com
ARCHITECT: RUSSELL SWINDLE, CSG	
ADDRESS:	800 WASHINGTON AVE N #208 MINNEAPOLIS, MN 55401
CONTACT:	ELVY B. CLEARY, PROJECT MANAGER
PHONE:	(612) 547-1341
EMAIL:	ecleary@core-states.com
STRUCTURAL ENGINEER (RACKING ONLY): CAREL STEVENSON, CSG	
ADDRESS:	4240 EAST JURUPA ST, STE 402 ONTARIO, CA 91761
CONTACT:	CAREL STEVENSON
PHONE:	(909) 467-8909
EMAIL:	cstevenson@core-states.com
MECH/PLUMB ENGINEER: DAVID LEIFFER, CSG	
ADDRESS:	1700 INDUSTRIAL DRIVE, STE B ROGERS, AR 72756
CONTACT:	MICHAEL BATDORF
PHONE:	(479) 877-3501
EMAIL:	mbaddorf@core-states.com
ELECTRICAL ENGINEER: JOHN FERGUSON, CSG	
ADDRESS:	1700 INDUSTRIAL DRIVE, STE B ROGERS, AR 72756
CONTACT:	MARK WILSON
phone:	(479) 372-46371
EMAIL:	mwilson@core-states.com
FIRE DEPARTMENT: FIRE & RESCUE	
ADDRESS:	CITY OF REXBURG COMMUNITY DEVELOPMENT DEPT 35 N 1ST EAST
PHONE:	
EMAIL:	
BUILDING DEPARTMENT: DEPT OF BUILDING & SAFETY	
ADDRESS:	CITY OF REXBURG COMMUNITY DEVELOPMENT DEPT 35 N 1ST EAST
CONTACT:	SHAUNA EATON
PHONE:	(208) 359-3020



THIS BOX IS FOR ADVANCE AUTO PARTS OFFICE USE ONLY

Q3-19 83x83

CODE ANALYSIS	
A. BUILDING CRITERIA BUILDING CODE: 2015 EDITION OF THE INTERNATIONAL BUILDING CODE MECHANICAL CODE: 2015 EDITION OF THE INTERNATIONAL MECHANICAL CODE ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE PLUMBING CODE: 2017 IDAHO PLUMBING CODE ENERGY CODE: 2015 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE FIRE CODE: 2013 EDITION OF THE NFPA 72 FIRE ALARM & SIGNALING CODE ACCESSIBILITY CODE: 2009 ICC/ANSI 117.1 IF APPLICABLE LOCAL ORDINANCE: OCCUPANCY: MERCANTILE BUILDING/CONSTRUCTION TYPE: V-B SPRINKLERED: YES SEISMIC ZONE: YES ALLOWABLE BUILDING AREA: 36,000 SQ. FT. (ONE STORY, FULLY SPRINKLERED)	
B. BUILDING AREA SALES AREA: 3,368 SQ. FT. SUPPORT AREAS: 12,667 SQ. FT. TOTAL FLOOR AREA: 16,035 SQ. FT.	
C. OCCUPANT LOADING SALES AREA @ 60/PERSON = 56 OTHER AREAS @ 300/PERSON = 42 TOTAL OCCUPANT LOAD= 98	
E. PLUMBING FIXTURE COUNT QUANTITIES: TOILET ROOMS REQUIRED: 1 EACH SEX LAVATORIE(S): 1 EACH SEX WATER CLOSET(S): 1 EACH SEX URINAL(S): 0 TOILET ROOMS PROVIDED: 1 EACH SEX, TOTAL OF 2 LAVATORIE(S): 1 EACH SEX, TOTAL OF 2 WATER CLOSET(S): 1 EACH SEX, TOTAL OF 2 DRINKING FOUNTAIN(S) NUMBER REQUIRED: 2 BI-LEVEL (HI / LO): YES MOP SINK REQUIRED: 1	
D. EGRESS EGRESS WIDTH REQUIRED: 17.2" (32" MIN) EGRESS WIDTH PROVIDED: 136" NUMBER OF EXITS REQUIRED: 2 NUMBER OF EXITS PROVIDED: 3	
PROJECT SCOPE OF WORK	
THE NEW WORK IS LIMITED TO TENANT IMPROVEMENTS TO AN EXG STRUCTURE CONSTRUCTED FOR THE PURPOSE OF RETAIL SALES. WORK TO INCLUDE, BUT NOT LIMITED TO: FINISHES: NEW CONCRETE SEAL AND PAINT REQ. FIXTURES: NEW FIXTURES THROUGHOUT. SIGNAGE: NEW INTERIOR AND EXTERIOR SIGNAGE REQUIRED. (UNDER SEPARATE COVER)	
ELECTRICAL: EXG EQUIPMENT. NEW LIGHTING AND POWER SYSTEMS. MECHANICAL/PLUMBING: EXG HVAC/RTU UNITS. NEW AND EXG DISTRIBUTION. EXG PLUMBING SYSTEMS/FIXTURES. FIRE SYSTEMS: MODIFY SPRINKLER SYSTEM/ALARM FOR NEW LAYOUT AS REQUIRED.	
SITE MAP	

CORE STATES GROUP

100 Washington Avenue North Suite 100
Rexburg, ID 83440
(208) 359-1300
www.core-states.com

Advance Auto Parts

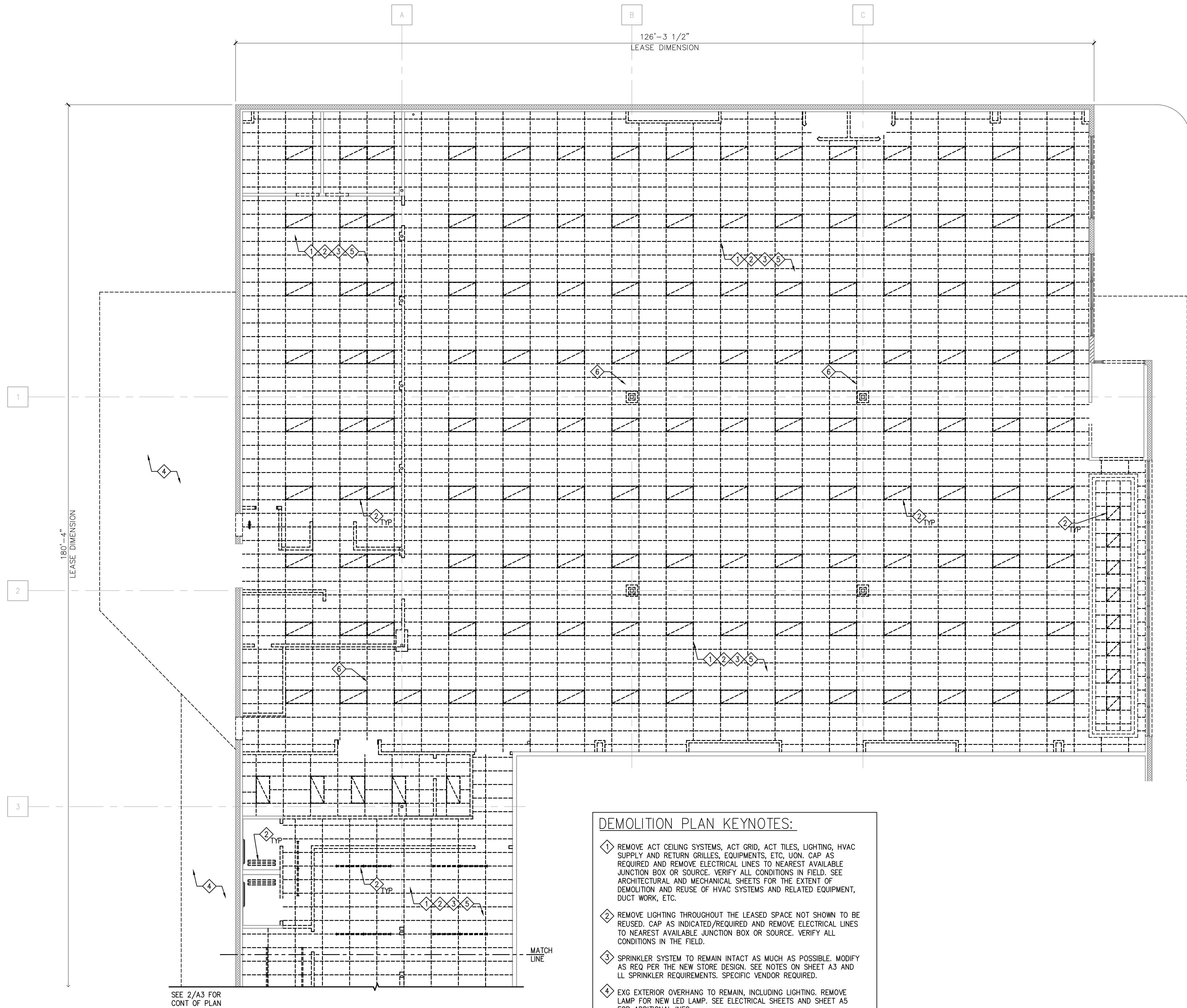
125 VALLEY RIVER ROAD
REXBURG, ID 83440

STORE #104223

REVISIONS	DESCRIPTION	DATE	REV

DATE	05.11.2020	GROSS SQ. FT.	16,035 S.F.
PROJECT #	AAP-28862		
DRAWN BY:	LNC		
CHECK BY:	EBC		
VERSION Q3-19 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			

A0

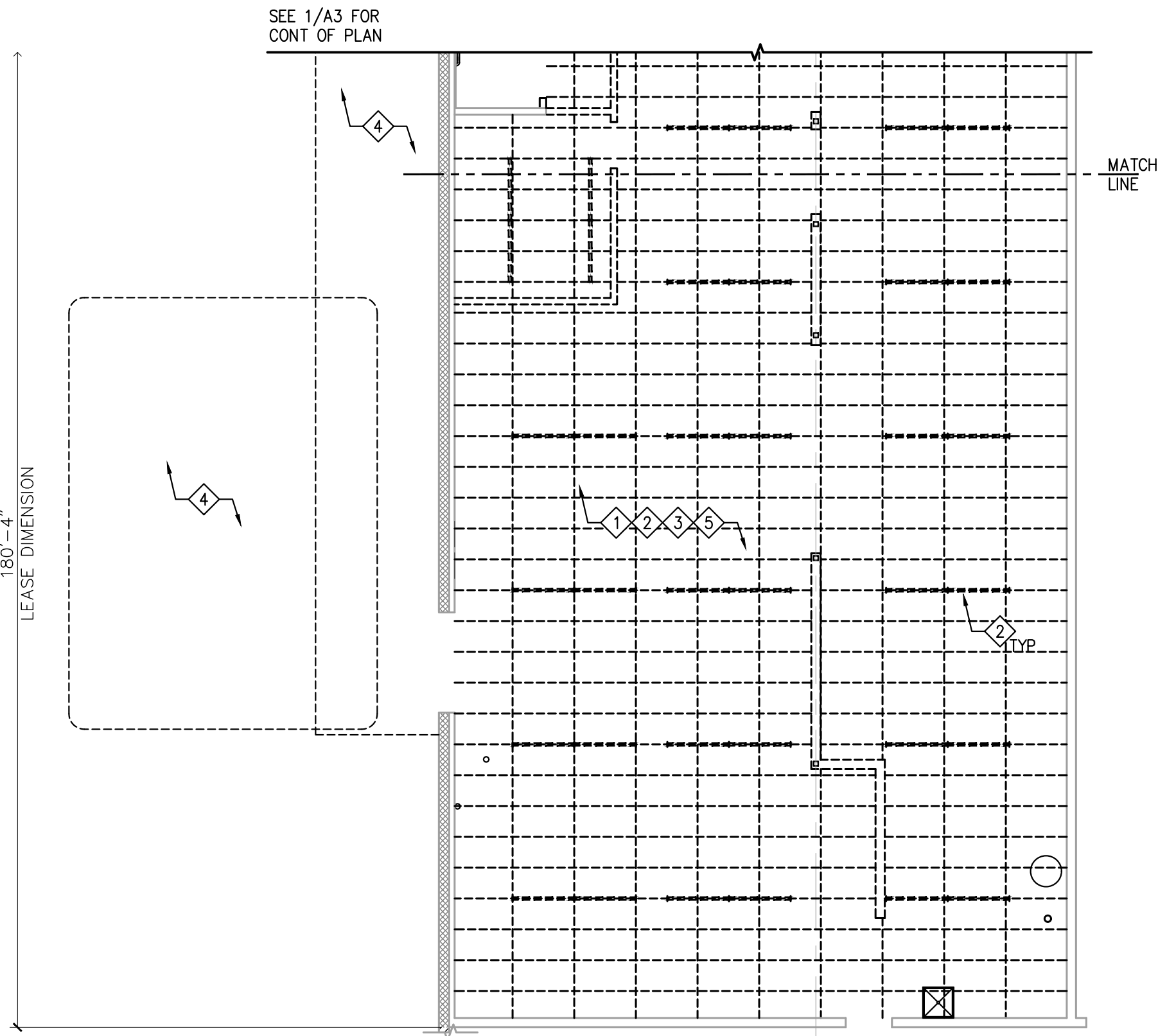


DEMOLITION PLAN KEYNOTES:

- 1 REMOVE ACT CEILING SYSTEMS, ACT GRID, ACT TILES, LIGHTING, HVAC SUPPLY AND RETURN GRILLES, EQUIPMENTS, ETC. UON. CAP AS REQUIRED AND REMOVE ELECTRICAL LINES TO NEAREST AVAILABLE JUNCTION BOX OR SOURCE. VERIFY ALL CONDITIONS IN FIELD. SEE ARCHITECTURAL AND MECHANICAL SHEETS FOR THE EXTENT OF DEMOLITION AND REUSE OF HVAC SYSTEMS AND RELATED EQUIPMENT, DUCT WORK, ETC.
- 2 REMOVE LIGHTING THROUGHOUT THE LEASED SPACE NOT SHOWN TO BE REUSED. CAP AS INDICATED/REQUIRED AND REMOVE ELECTRICAL LINES TO NEAREST AVAILABLE JUNCTION BOX OR SOURCE. VERIFY ALL CONDITIONS IN THE FIELD.
- 3 SPRINKLER SYSTEM TO REMAIN INTACT AS MUCH AS POSSIBLE. MODIFY AS REQ PER THE NEW STORE DESIGN. SEE NOTES ON SHEET A3 AND LL SPRINKLER REQUIREMENTS. SPECIFIC VENDOR REQUIRED.
- 4 EXG EXTERIOR OVERHANG TO REMAIN, INCLUDING LIGHTING. REMOVE LAMP FOR NEW LED LAMP. SEE ELECTRICAL SHEETS AND SHEET A5 FOR ADDITIONAL INFO.
- 5 EXG DUCTWORK TO REMAIN. MODIFY AS REQUIRED PER NEW PLAN, SEE MECHANICAL SHEETS.
- 6 APPROX LOCATION OF EXG RTU TO REMAIN ABOVE.

DEMOLITION PLAN GENERAL NOTES:

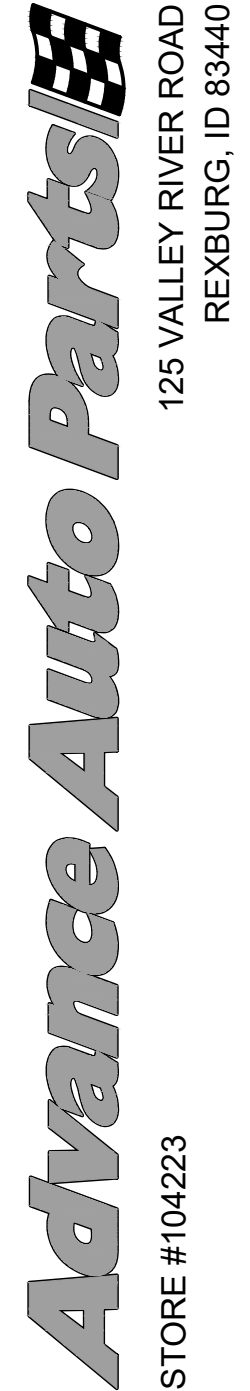
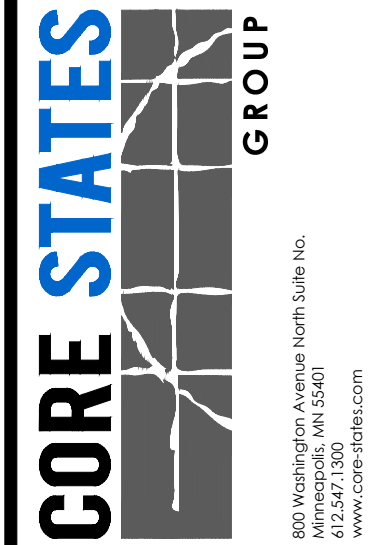
1. CONTRACTOR TO PERFORM ALL DEMOLITION AND PROPERLY DISPOSE OF MATERIALS/EQUIPMENT REMOVED/DEMOLISHED FROM THE JOB-SITE IN ACCORDANCE W/ APPLICABLE AUTHORITIES HAVING JURISDICTION & PER LANDLORD CRITERIA. ALSO DISPOSE OF ANY HAZARDOUS ITEMS IN THE PROPER MANNER.
2. CEASE ALL OPERATIONS AND NOTIFY TENANT IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED. TAKE PRECAUTIONS TO PROPERLY SUPPORT STRUCTURE. DO NOT RESUME OPERATIONS UNTIL SAFETY IS RESTORED.
3. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, INCLUDING THAT REQUIRED FOR CONNECTION TO THE EXISTING BUILDING. PROTECT EXISTING STRUCTURAL MEMBERS, PHASE DEMOLITION IN ACCORDANCE WITH CONSTRUCTION SCHEDULE.
4. ANY ITEMS, FIXTURES, EQUIPMENT, SYSTEMS, OR DEVICES AS INDICATED TO REMAIN, ARE TO BE INSPECTED BY QUALIFIED TECHNICIAN OR TRADES PERSON AND ADVISE TENANT OF VIABILITY OF REUSE.
5. ARRANGE AND PAY FOR DISCONNECTION, REMOVING AND CAPPING OF UTILITY SERVICES WITHIN AREAS OF DEMOLITION. DISCONNECT AND STUB OFF ALL UTILITIES AFFECTED BY THE DEMOLITION WORK. NOTIFY THE AFFECTED UTILITY COMPANY AND BUILDING MANAGER IN ADVANCE AND OBTAIN APPROVAL PRIOR TO THIS WORK.
6. ELECTRICAL CONTRACTOR TO PROVIDE AND MAINTAIN TEMPORARY LIGHTING AND POWER AS REQUIRED FOR THE DEMOLITION AND CONSTRUCTION PHASES.
7. REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED FOR THE WORK DESCRIBED HEREIN, AT NO COST TO THE TENANT.
8. WHERE COMMUNICATION, COMPUTER, SECURITY, OR TELEPHONE LINES ARE (RE)LOCATED, COORDINATE WITH THE CM/TENANT FOR ROUTING AND TIMING OF NEW LINES TO SERVICE REGISTERS AND SECURITY/SOUND. ABANDONED TELEPHONE AND COMMUNICATION LINES ARE TO BE IDENTIFIED, MARKED, CAPPED AS INDICATED/REQUIRED TO NEAREST AVAILABLE JUNCTION BOX OR SOURCE AND/OR REMOVED BY THE CONTRACTOR. VERIFY ALL CONDITIONS IN THE FIELD.
9. HVAC CONTRACTOR TO INSPECT EXISTING CONDITIONS PRIOR TO DEMOLITION AND DETERMINE WHETHER ANY COMPRESSOR REFRIGERANT LINES ARE PRESENT THAT MUST BE PROPERLY DRAINED (TO E.P.A. STANDARDS) PRIOR TO DEMOLITION.
10. COVER RETURN AIR OPENINGS BEFORE & DURING CONSTRUCTION.
11. PRIOR TO SAW CUTTING FLOOR FOR TRENCHING, VERIFY LOCATION OF UNDERGROUND CONDUIT AND PIPING AND PROTECT EXISTING AS REQUIRED. REPAIR TO DAMAGE OF EXISTING SYSTEMS OTHER THAN THOSE REQUIRED FOR NEW SYSTEMS, WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



1 DEMOLITION REFLECTED CEILING PLAN
A0 SCALE: 1/8" = 1'-0"



2 DEMOLITION REFLECTED CEILING PLAN
A0 SCALE: 1/8" = 1'-0"



REVISIONS		DESCRIPTION
REV	DATE	

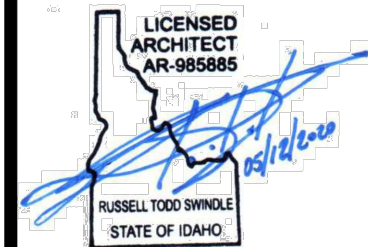
DATE	05.11.2020
GROSS SQ. FT.	16,035 S.F.

PROJECT	A02-2020
DRAWN BY	UNC

CHECK BY	EPG
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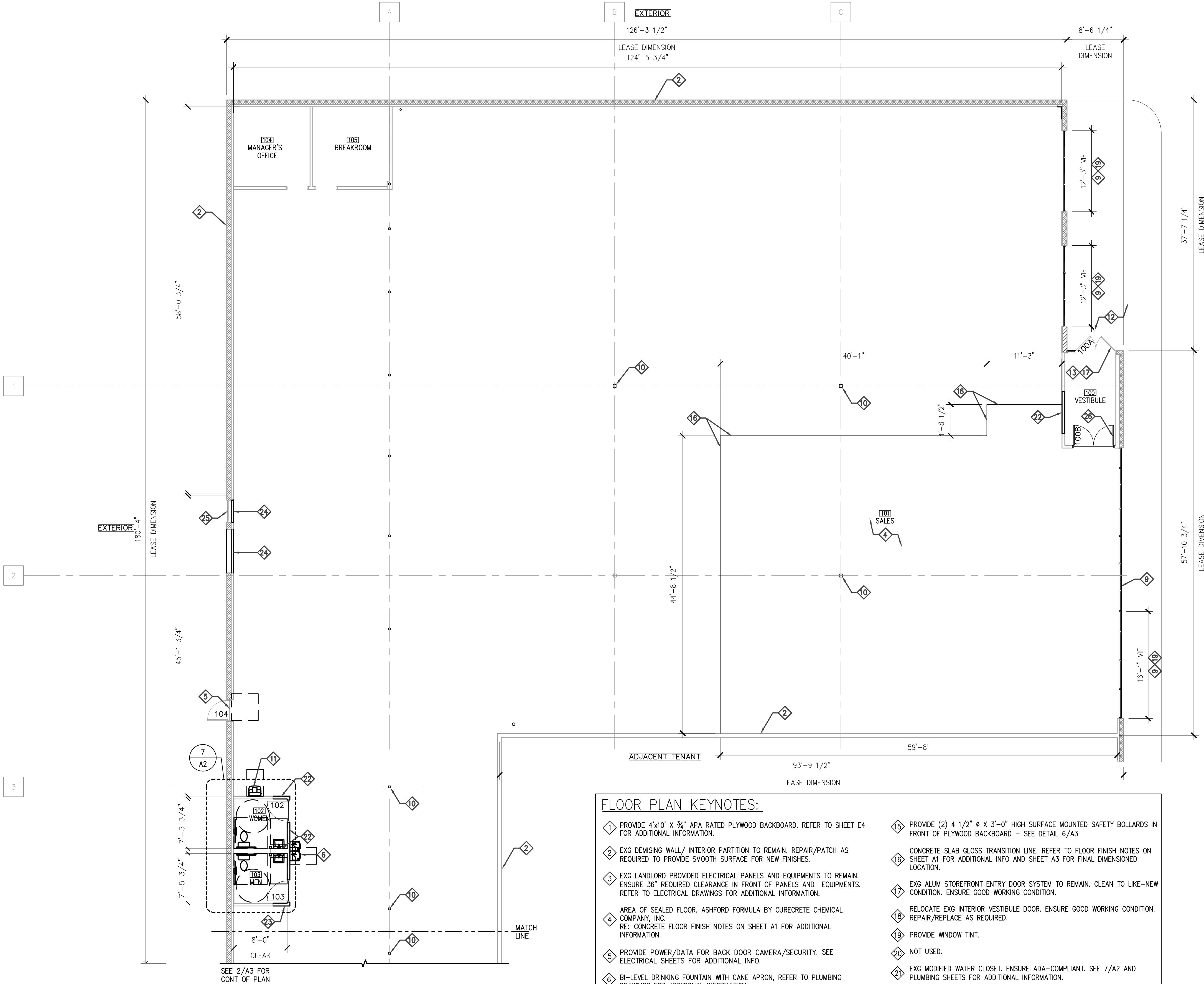
VERSION Q3-19 83x83

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.



DEMOLITION
REFLECTED CEILING
PLAN

A01



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



TROWELING CONCRETE @ INTERIOR SLABS NOTES:

- HAND OR POWER FLOAT FLOOR BEFORE STARTING TROWELING.
- FOR FIRST TROWELING, KEEP BLADE(S) AS FLAT AS POSSIBLE AND USE LOW SPEED, MINIMIZING "WASHBOARD" OR "CHATTER MARKS" AND "PITTING".
- TROWEL 2 TIMES MINIMUM WITH FIRST TWO TROWELING AT RIGHT ANGLES. CEASE TROWELING BEFORE TROWEL BLADES SCRATCH SURFACE.
- ALLOW TIME BETWEEN TROWELING FOR CONCRETE TO STIFFEN AND WATER SHEEN TO DISAPPEAR. DO NOT ADD WATER TO SLAB SURFACE DURING TROWELING.
- 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.
- ENSURE KNEEBOARD IMPRESSIONS, TROWEL MARKS, FOOT PRINTS AND/OR CHATTERED AREAS ARE NOT EVIDENT AFTER FLOOR FINISH.
- PROVIDE DENSE, SMOOTH, FLAT ROWEL SURFACE, UNIFORM IN TEXTURE.
- FINISH SURFACE TO PRODUCE MAXIMUM SHEEN PER SPECIFICATIONS FREE OF SCRATCHES AND TROWEL MARLS.

FINISH GENERAL NOTES:

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

FLOOR PLAN KEYNOTES:

- PROVIDE 4'x10' X 3/4" APA RATED PLYWOOD BACKBOARD. REFER TO SHEET E4 FOR ADDITIONAL INFORMATION.
- EXG DEMISING WALL/ INTERIOR PARTITION TO REMAIN. REPAIR/PATCH AS REQUIRED TO PROVIDE SMOOTH SURFACE FOR NEW FINISHES.
- EXG LANDLORD PROVIDED ELECTRICAL PANELS AND EQUIPMENTS TO REMAIN. ENSURE 36" REQUIRED CLEARANCE IN FRONT OF PANELS AND EQUIPMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- AREA OF SEALED FLOOR. ASHFORD FORMULA BY CURECRETE CHEMICAL COMPANY, INC. RE: CONCRETE FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFORMATION.
- PROVIDE POWER/DATA FOR BACK DOOR CAMERA/SECURITY. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFO.
- BI-LEVEL DRINKING FOUNTAIN WITH CANE APRON, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- EXG MOP-SINK TO REMAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- EXG OH ROLLING DOOR TO REMAIN. ENSURE GOOD WORKING CONDITION. REPAIR AS REQUIRED.
- EXG ALUMINUM STOREFRONT GLAZING SYSTEM TO REMAIN. CLEAN TO LIKE-NEW CONDITON.
- EXG STRUCTURE TO REMAIN.
- PORTABLE EYE-WASH STATION. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- EXG CONCRETE SIDEWALK TO REMAIN. PATCH/REPAIR AS REQUIRED TO ENSURE 1:48 SLOPE PER ADA-COMPLIANT.
- PROVIDE ACCESSIBLE ALUMINUM THRESHOLD ON EXTERIOR AND INTERIOR DOORS.
- PROVIDE 2 1/2" METAL STUD FRAMING @ 16" O.C. WITH 1/2" GYP. BD. ONE SIDE TO UNDERSIDE OF DECK. ENSURE TO FULLY ENCLOSED EXG COLUMN AND VERTICAL ROOF DRAIN. PROVIDE ALL REQUIRED WALL/ CORNER TREATMENTS AT OPENINGS IN HEAVY TRAFFIC FLOW AREAS.
- PROVIDE (2) 4 1/2" Ø X 3'-0" HIGH SURFACE MOUNTED SAFETY BOLLARDS IN FRONT OF PLYWOOD BACKBOARD - SEE DETAIL 6/A3
- CONCRETE SLAB GLOSS TRANSITION LINE. REFER TO FLOOR FINISH NOTES ON SHEET A1 FOR ADDITIONAL INFO AND SHEET A3 FOR FINAL DIMENSIONED LOCATION.
- EXG ALUM STOREFRONT ENTRY DOOR SYSTEM TO REMAIN. CLEAN TO LIKE-NEW CONDITION. ENSURE GOOD WORKING CONDITION.
- RELOCATE EXG INTERIOR VESTIBULE DOOR. ENSURE GOOD WORKING CONDITION. REPAIR/REPLACE AS REQUIRED.
- PROVIDE WINDOW TINT.
- NOT USED.
- EXG MODIFIED WATER CLOSET. ENSURE ADA-COMPLIANT. SEE 7/A2 AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE INFILL PARTITION TO MATCH ADJACENT EXISTING PARTITION. ENSURE SMOOTH TRANSITION ON BOTH SIDES FOR NEW FINISHES.
- PROVIDE 3 5/8" METAL STUD PARTITION WITH 5/8" GYP BD ON BOTH SIDES TO 12'-0" AFF.
- PROVIDE 2 1/2" METAL STUD PARTITION WITH 5/8" GYP BD ON ROOM SIDE ONLY TO INFILL EXG DOOR OPENING. ENSURE SMOOTH TRANSITION FOR NEW FINISHES. CONSTRUCTION EXTERIOR TO MATCH EXG.
- EXG DOOR TO REMAIN ON LOCKED/CLOSED POSITION. SEAL DOOR WATER-TIGHT.
- LOCATION OF EXG RELOCATED DOOR. INSTALL DIRECTLY ACROSS FROM EXG EXTERIOR DOOR ON OPPOSITE SIDE.
- EXG WATER HEATER TO REMAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

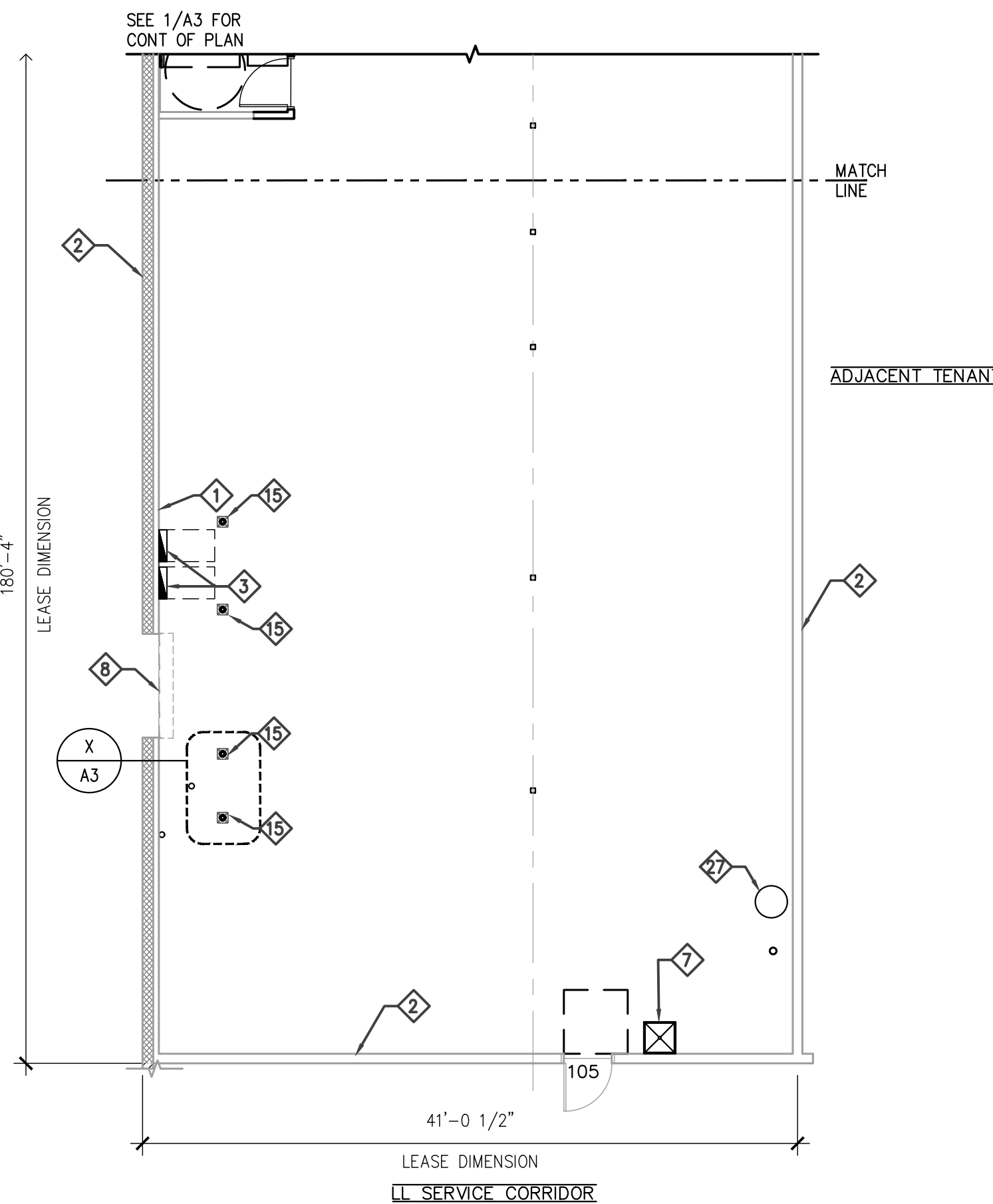
2 FLOOR PLAN
A1 SCALE: 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES:

- CONCRETE FLOOR TO BE MACHINE TROWELED FINISH THROUGHOUT.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING TOILETS SO AS TO COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND ACCESSIBILITY STANDARDS.
- INSTALL BACKFLOW PREVENTER IN MAIN SERVICE WATER LINE AS REQUIRED BY LOCAL CODE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE EXTINGUISHERS MODEL #2A10BC ABC RATING. QUANTITY AND LOCATION AS REQUIRED BY FIRE MARSHAL. (MINIMUM OF 4)
- ALL EXTERIOR WALL CELLS TO BE FILLED W/CORE-FILL 500 FOAM INSULATION.
- PREPARE FLOOR SLAB AS REQUIRED FOR APPLICATION OF FLOOR SEALER THROUGHOUT ENTIRE BUILDING.

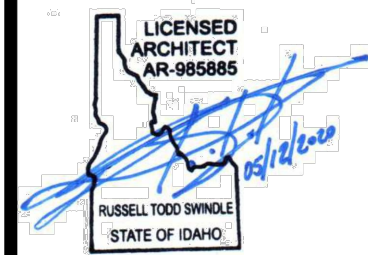
ROOM FINISH SCHEDULE						
ROOM NO.	ROOM NAME	FLR / BASE		WALLS	CEILING	
		PC-1	VB-1		IP-1	CEILING HEIGHT
100	VESTIBULE	●	●	●	●	8'-0"
101	SALES	●	●	●	●	OPEN
102	WOMEN	●	●	●	●	8'-0"
103	MEN	●	●	●	●	8'-0"
104	MANAGER'S OFFICE	●	●	●	●	OPEN
105	BREAKROOM	●	●	●	●	OPEN

MATERIAL SCHEDULE	
MATERIAL:	LOCATION:
FLOORING	
PC-1	ASHFORD (OR) W.R. MEADOWS POLISHED CONCRETE. COORDINATE WITH AAP PROJECT MANAGER.
VCT-1	NOT USED.
BASE	
VB-1	4" BLACK VINYL BASE - ARMSTRONG, JOHNSONITE OR ROPPE.
CEILING	
GB-1	USG 1/2" GYPSUM BOARD
ACT-1	ARMSTRONG 755 WHITE FISSURED SQUARE EDGE 24"x48"
INTERIOR PAINT	
IP-1	AAP-INT1 WHITE HIGH-HIDING RM
IP-2	AAP-INT2 CUSTOM INTERIOR COLOR
FIBERGLASS REINFORCED PANELS	
FRP-1	MARLITE WHITE FIBERGLASS REINFORCED PANELS



REVISIONS		DESCRIPTION
REV	DATE	

DATE	05.11.2020
PROJECT	16,035 S.F.
PROJECT #	202-2555
DRAWN BY:	UNC
CHECK BY:	EPG
VERSION Q3-19 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.	



- 1.04. QUALITY ASSURANCE
 - A. USE RESPONSIBILITY MATRIX (SHT. 1-T.1 OF PLANS) AND SECTION 280 OF THIS SPECIFICATION FOR INFORMATION REGARDING QUALITY ASSURANCE AFTER POURING OF CONCRETE SLAB.
 - B. COORDINATION WITH A CURCURETTE/ASHFORD REPRESENTATIVE IS REQUIRED PRIOR TO THE POURING OF THE CONCRETE SLAB.
- 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.
 - C. STORE MATERIALS IN A CLEAN, DRY AREA IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - D. KEEP PRODUCT FROM FREEZING.
 - E. AVOID DIRECT CONTACT WITH THIS PRODUCT AS IT MAY CAUSE A BURN OR SCORCH IRRITATION TO THE EYES AND/OR SKIN.
 - F. PROTECT MATERIALS DURING HANDLING AND APPLICATION TO PREVENT DAMAGE OR CONTAMINATION.

- A. PROJECT CONDITIONS AND ENVIRONMENTAL REQUIREMENTS
- B. DO NOT INSTALL PRODUCT UNDER ENVIRONMENTAL CONDITIONS OUTSIDE OF MANUFACTURER'S ABSOLUTE LIMITS.
- C. DO NOT APPLY PRODUCT UNDER HUMID AND CHEMICAL HARSH WHEN CONCRETE TEMPERATURE IS BELOW 35° F (2° C) OR ABOVE 135° F (57° C).
- D. DO NOT USE FROZEN MATERIALS AND AGITATE PRIOR TO USE.
- E. DO NOT USE ON HIGHLY DENSE OR NON-POROUS SURFACES.
- F. NO SATISFACTORY PROCEDURES ARE AVAILABLE TO REMOVE PETROLEUM OR RUST STAINS FROM CONCRETE. PREVENTION IS THEREFORE ESSENTIAL. PREVENTIONS TO PREVENT STAINING OF CONCRETE PRIOR TO APPLICATION OF CURE-SEAL-HARDENER AND FOR MINIMUM OF THREE MONTHS AFTER APPLICATION.
- G. IT IS RECOMMENDED THAT THE CONCRETE SLAB BE FLOURED AFTER APPLICATION OF SEALER AND STEEL REBAR STRUCTURE. HOWEVER, IF CONDITIONS DO NOT ALLOW, THEN THE SLAB MUST BE PROTECTED BY 1/4-INCH FLYNUOD TAKE 6-MIL VISOQUEM WHILE MASONRY AND STEEL ERECTION TAKE PLACE.
- H. PROHIBIT PARKING OF VEHICLES ON CONCRETE SLAB.
- I. IF CONSTRUCTION EQUIPMENT MUST BE USED FOR ADDITIONAL TRADES, THEN THE SLAB MUST BE CONTINUALLY PROTECTED BY 1/4-INCH FLYNUOD OVER 6-MIL VISOQUEM.
- J. PROHIBIT PIPE CUTTING USING PIPE CUTTING MACHINERY ON CONCRETE SLAB.
- K. PROHIBIT TEMPORARY PLACEMENT AND STORAGE OF STEEL MEMBERS ON CONCRETE SLAB.

1071 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.

2.01 MANUFACTURER
A. ACCEPTABLE MANUFACTURERS:
CURECRETE DISTRIBUTION, 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: ASHOFOR FORMULA AS
MANUFACTURED BY CURECRETE DISTRIBUTION.

A. EXAMINE SURFACES TO RECEIVE CONCRETE DENSIFIER AND CHEMICAL HARDENER. NOTIFY ARCHITECT AND AEP 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 ARE REMOVED PRIOR TO APPLICATION.

ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. ENSURE APPLICATION EQUIPMENT IS CLEAN AND FREE OF RESIDUE FROM PREVIOUS MATERIALS.

C. DO NOT DILUTE CONCRETE DENSIFIER-CHEMICAL HARDENER.

D. NEW CONCRETE: APPLY CURE-SEAL-HARDENER TO NEW CONCRETE AS SOON AS THE CONCRETE IS FIRM ENOUGH TO WALK ON WITHOUT LEAVING TRACKS, EXCEPT ON COLORED CONCRETE WITH A MINIMUM OF 30 DAYS.

a. APPLY UNDILUTED CONCRETE DENSIFIER AND CHEMICAL HARDENER AT RATE PER MANUFACTURER'S RECOMMENDATION USING A LOW PRESSURE SPRAYER OR SPONGE. DO NOT OVER-APPLY.

b. SQUEEGEE SURFACE COMPLETELY DRY, FLUSHING ANY REMAINING SLURRY AREAS UNTIL NO RESIDUE REMAINS.

c. LIFT VACUUM OR SCREEDING MACHINES MAY BE USED TO REMOVE EXCESS, PROVIDED THEY DO NOT VIOLATE THE MANUFACTURER'S INSTRUCTIONS AS TO USE OF MOPS IS PROHIBITED.

RECOMMENDATIONS, AND THE FOLLOWING:

- a. FOR NEW CONCRETE, ALLOW DENSIFIER AND HARDENER TO CURE A MINIMUM OF 28 DAYS BEFORE BEGINNING BURNISHING.
- b. FOR EXISTING CONCRETE, ALLOW 24 HOURS FOLLOWING APPLICATION OF DENSIFIER AND HARDENER TO COMPLETELY DRY AND THOROUGHLY CLEANING FLOOR BEFORE BEGINNING BURNISHING AND GRINDING.
- c. FOR NEW AND EXISTING FLOORS, BURNISH FLOOR SURFACE BY MEANS TO ACHIEVE CPAA LEVEL 2 WITH A GLOSS READING OF 10 IN THE SALES AREA AND A LEVEL 1 IN REMAINDER OF STORE.

- TRAFFIC FOR A MINIMUM OF TWELVE HOURS AFTER APPLICATION OF CONCRETE DENSIFIER AND 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 DECELERATE 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.

104 QUALITY ASSURANCE

A. USE RESPONSIBILITY MATRIX (SHT. T-1 OF PLANS) AND SECTION 2.01 OF THIS SPECIFICATION FOR INFORMATION REGARDING AUTHORIZED APPLICATORS.

B. COATING MUST BE APPLIED IN MEADOWS REPRESENTATIVE IS REQUIRED PRIOR TO POURING OF THE SLAB, AND PRIOR TO APPLICATION OF THE HARDENER-DENSIFIER.

105 DELIVERY, STORAGE, AND HANDLING

A. DELIVER MATERIALS TO SITE IN MANUFACTURER'S ORIGINAL, UNOPENED, FACTORY-NUMBERED CONTAINERS AND PACKAGING, WITH NAME AND CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER.

B. RECORD NUMBERS FOR OWNER'S RECORDS.

C. STORE MATERIALS IN A CLEAN, DRY AREA IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

D. KEEP PRODUCT FROM FREEZING.

E. AVOID DIRECT CONTACT OF THIS PRODUCT AS IT MAY CAUSE MILD TO MODERATE IRRITATION OF THE EYES AND/OR SKIN.

F. PROTECT MATERIALS DURING HANDLING AND APPLICATION TO PREVENT DAMAGE OR CONTAMINATION.

- 0.6. PROJECT CONDITIONS AND ENVIRONMENTAL REQUIREMENTS
- A. DO NOT INSTALL PRODUCT UNDER ENVIRONMENTAL CONDITIONS OUTSIDE OF MANUFACTURER'S ALLOWED LIMITS
- B. DO NOT APPLY CONCRETE DENSIFIER AND CHEMICAL HARDENERS WHEN CONCRETE TEMPERATURE IS BELOW 35° F (7° C) OR ABOVE 135° F (58° C)
- C. DO NOT USE FRESH MATERIAL 1" THICK 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 SPILLS OF CONCRETE. ADVISE USER TO APPLY FOR AN ADDITIONAL HARDENER DENSIFIER AND FOR MIXTURE OF THREE MONTHS AFTER APPLICATION
- F. IT IS RECOMMENDED THAT THE CONCRETE SLAB IS POURED AFTER ERECTION OF WALLS AND STEEL ROOF STRUCTURE
- G. IF CONSTRUCTION OF CONCRETE IS COMPLETED, THE SLAB MUST BE PROTECTED BY 1/2-INCH PLYWOOD OVER 6-MIL VIQUEEN WHILE MASONRY AND STEEL ERECTION TAKE PLACE
- H. PROHIBIT PARKING OF VEHICLES ON CONCRETE SLAB
- I. IF CONSTRUCTION OF CONCRETE IS COMPLETED FOR AN ADDITIONAL TRADES, THEN THE SLAB MUST BE CONTINUALLY PROTECTED BY 1/2-INCH PLYWOOD OVER 6-MIL VIQUEEN
- J. PROHIBIT PIPE CUTTING USING PIPE CUTTING MACHINERY ON CONCRETE SLAB
- K. 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.

2.201 MANUFACTURER
A. ACCEPTABLE MANUFACTURERS:
WIR MEADOWS INC.

2.202 MATERIALS
A. PERFORMANCE BASED SPECIFICATION: CONCRETE DENSIFIER
AND CHEMICAL HARDENER COMPOUND SHALL BE A
READY-TO-USE, WATER-BASED, COLORLESS LIQUID FORMULATE
CHEMICALLY REACTIVE RAW MATERIALS THAT MEETS THE
MAXIMUM VOC CONTENT LIMITS OF 400 G/G FOR CONCRETE
PROTECTIVE COATINGS AS REQUIRED BY THE U.S. EPA
ARCHITECTURAL COATINGS RULE.

B. PRESCRIPTIVE BASED SPECIFICATION: CONCRETE DENSIFIER
CHEMICAL HARDENER AND CURING COMPOUND SHALL BE
LIQUID-HARD AS MANUFACTURED BY WIR MEADOWS.

3.01. EXAMINATION

A. EXAMINE SURFACES TO RECEIVE CONCRETE DENSIFIER AND CHEMICAL HARDENER UNTIL ARCHITECT AND AAP PROJECT F 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 STAIN, OIL, GREASE, FORTH RELEASE AGENTS, DUST AND OTHER REMNANTS OF THE CURING COMPOUND ARE REMOVED PRIOR TO APPLICATION.

- B. MANUFACTURER'S INSTRUCTIONS.
- C. ENSURE APPLICATION EQUIPMENT IS CLEAN AND FREE OF PREVIOUSLY USED MATERIALS.
- D. MIX CONCRETE, ADMIXTURE, DEFENSIFIER AND CHEMICAL HARDENER.
- E. NEW CONCRETE: APPLY CURE-HARDENER-DEFENSIFIER TO NEW CONCRETE AS SOON AS SOON AS THE SURFACE WATER DISAPPEARS AND THE SURFACE WILL NOT BE MARKED BY WALKING WORKBOOTS, WITHIN 2 TO 12 HOURS OF CONCRETE FINISHING.
- F. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- G. IF THIS IS THE APPLICATION'S FIRST PROJECT USING THIS PRODUCT, PROVIDE THE MANUFACTURER'S TECHNICAL REPRESENTATIVE ON-SITE TO FAMILIARIZE INSTALLERS WITH THE PRODUCT AND PROCEDURE.
- H. PREVENT DAMAGE TO AND SOILING OF ADJACENT WORK.

3.204 BURNISHING/POLISHING

A. BURNISH TREATED FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND THE FOLLOWING:

- a. FOR NEW CONCRETE, ALLOW DENSIFIER AND HARDENER TO A MINIMUM OF 28 DAYS BEFORE BEGINNING BURNISHING.
- b. FOR EXISTING CONCRETE, ALLOW 24 HOURS FOLLOWING APT. THOROUGHLY CLEANING FLOOR BEFORE BEGINNING BURNISHING GRINDING.
- c. FOR NEW AND EXISTING FLOORS, BURNISH FLOOR SURFACE BY MEANS TO ACHIEVE CPAA LEVEL 2 WITH A GLOSS READING IN THE SALES AREA AND A LEVEL 1 IN REMAINDER OF STORE.

TRAFFIC FOR A MINIMUM OF FOUR HOURS (12 HOURS IS PREFERABLE) AFTER APPLICATION OF CONCRETE DENSIFIER-CHEMICAL HARDENER.

PROTECT INSTALLED FLOORS UNTIL CHEMICAL REACTION PROCESS IS COMPLETELY 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 IMPAIR 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.

10 DRYWALL / GYPSUM BOARD:

- 1) PRIME: 1 COAT PFG SPEEDHIDE 6-2 INTERIOR QUICK DRY PRIMER SEALER
2) FINISH: 1 COAT PFG SPEEDHIDE 6-4II EGGSHELL INTERIOR ENAMEL
COLOR TO BE: IPI AAP-INT 1, WHITE HIGH-HIDING R1, 58YY 82/022
(TOILET ROOMS ARE TO HAVE PFG SEMI-GLOSS FINISH 6-500 ON BOTH INSIDE AND OUTSIDE WALLS)

1.1 TOILET ROOM DOORS AND TRIM:

- 1) PRIME: 1 COAT PPG SEAL GRIP 17-921 PRIMER SEALER
2) FINISH: 1 COAT PPG SPEEDHIDE 6-500 INTERIOR SEMI-GLOSS ENAMEL
COLOR TO BE: IP2 AAP-INT 2, CUSTOM

1.2 INTERIOR BLOCK WALLS:

- 1) PRIME: 1 COAT PPG SPEEDHIDE 6-15 HI-FILL BLOCK FILLER
(BLOCK-FILLER REMAINING FROM BUILDING EXTERIOR - IT MAY BE USED.)
- 2) FINISH: 1 - 2 COATS PPG SPEEDHIDE 6-411 EGGSHELL INTERIOR ENAMEL
COLOR TO BE: IPI AAF-INT 1, WHITE HIGH-HIDING RT, 38YY 82/022

13 METAL COLUMNS AND METAL EXTERIOR DOORS:

- 1) PRIME: 1 COAT PPG PITT-TECH 90-912 DTM WB PRIMER SEALER
2) FINISH: 2 COATS PPG PITT-TECH 90-1210 SEMI-GLOSS ENAMEL
COLOR TO BE: IP1 AAP-INT 1, WHITE HIGH-HIDING RM, 98YY 82/022

1.4 METAL BAR JOIST, STEEL BEAMS, DUCTWORK AND CEILING DECKING:

- NEW CONSTRUCTION SPECIFICATION:
1) PRIME: FACTORY PRIMED GRAY. CLEAN AND SPOT PRIME ANY FLASH RUST OR BARE AREAS WHERE FACTORY PRIMER WAS DAMAGED. PRIME USING PPG 6-612 SPEED HIGH RUST INHIBITIVE PRIMER TO MATCH GRAY.

- REMODEL / UP-FIT SPECIFICATION:
1) PRIME: SPOT PRIME TO COVER ANY BARE AREAS OF DECKING OR DUCTWORK. PRIME USING PPG 90-312 PITT TECH DTR WB PRIMER SEALER FOR WIDE-SPREAD RUST OR SURFACE ISSUES - PLEASE CONTACT YOUR LOCAL PPG SALES PERSON FOR RECOMMENDATIONS PRIOR TO PAINTING.
2) FINISH: PPG SPEEDHIDE 1-125X1 INTERIOR DRY-FOG COLOR TO BE: IF2 AAP-INT 2, CUSTOM INTERIOR COLOR

REVISIONS		
REV	DATE	DESCRIPTION
1	06.11.20	PROTO UPDATE

<u>DATE</u>	<u>GROSS SQ. FT.</u>
05.11.2020	16,035 S.F.

PROJECT #
AAP.28855
DRAWN BY: LNC

CHECK BY: EBC

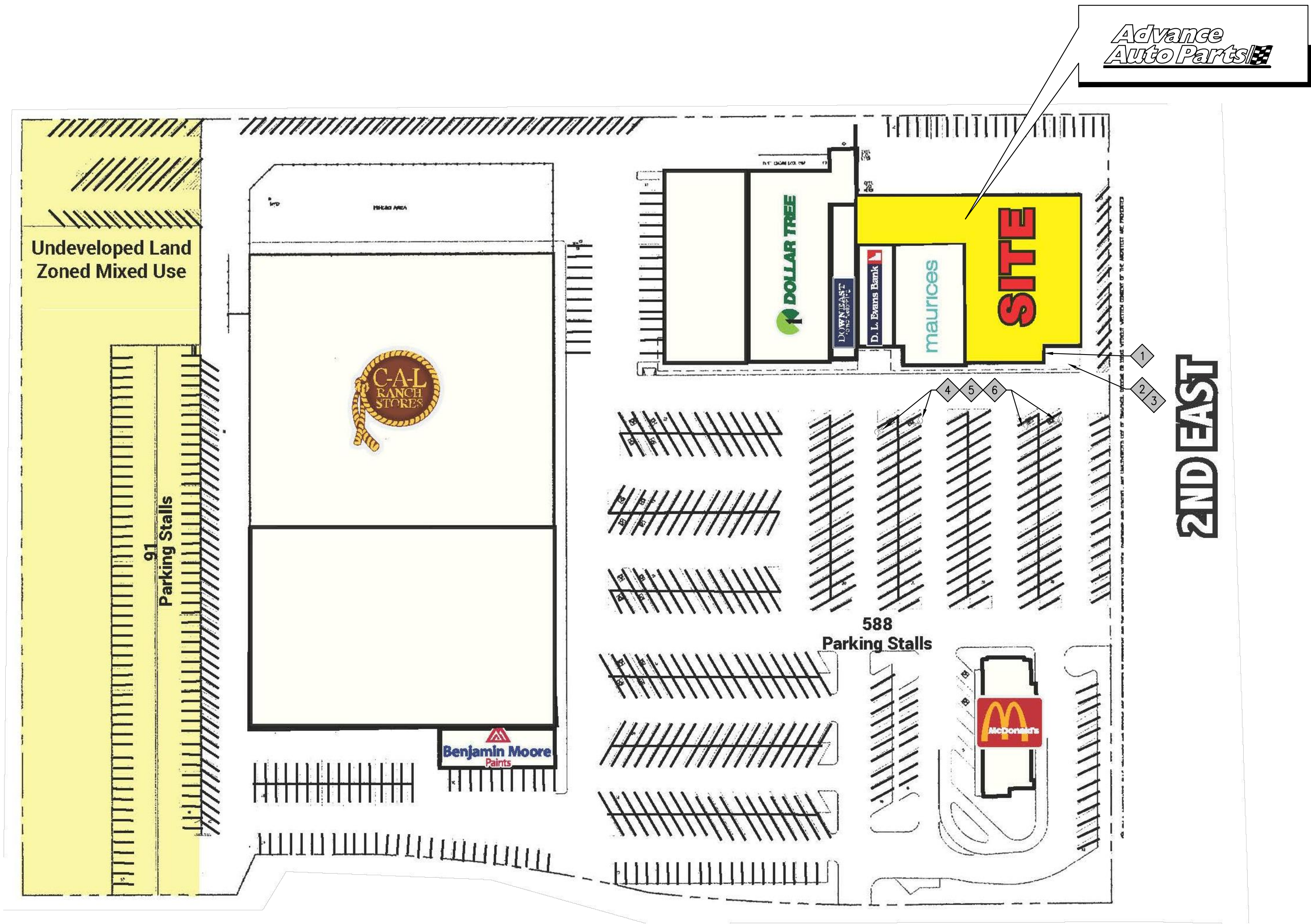
VERSION Q3-19 83x83

ALL REPORTS, PLANS, SPECIFICATIONS,
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ARCHITECTURE SPECIFICATIONS

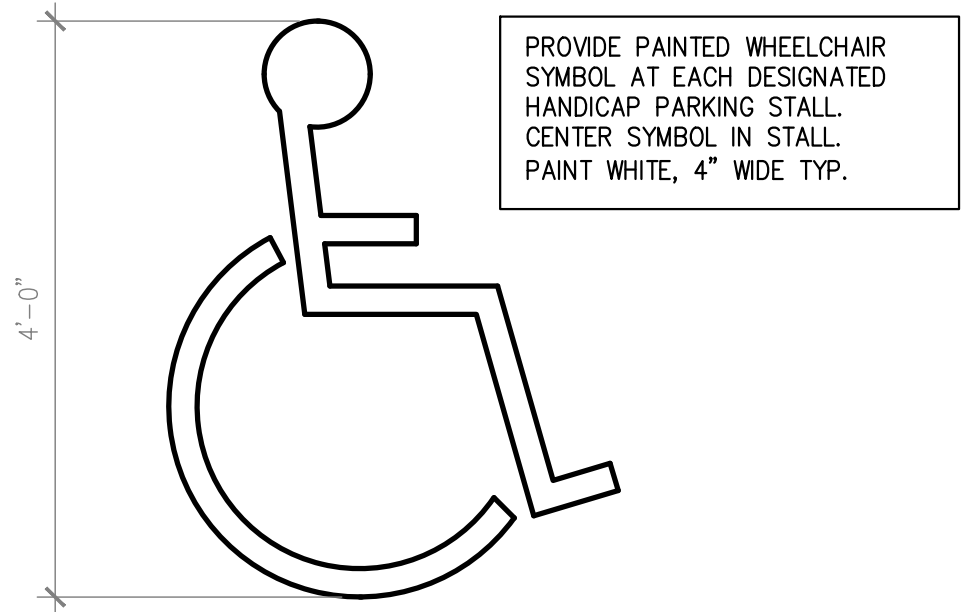
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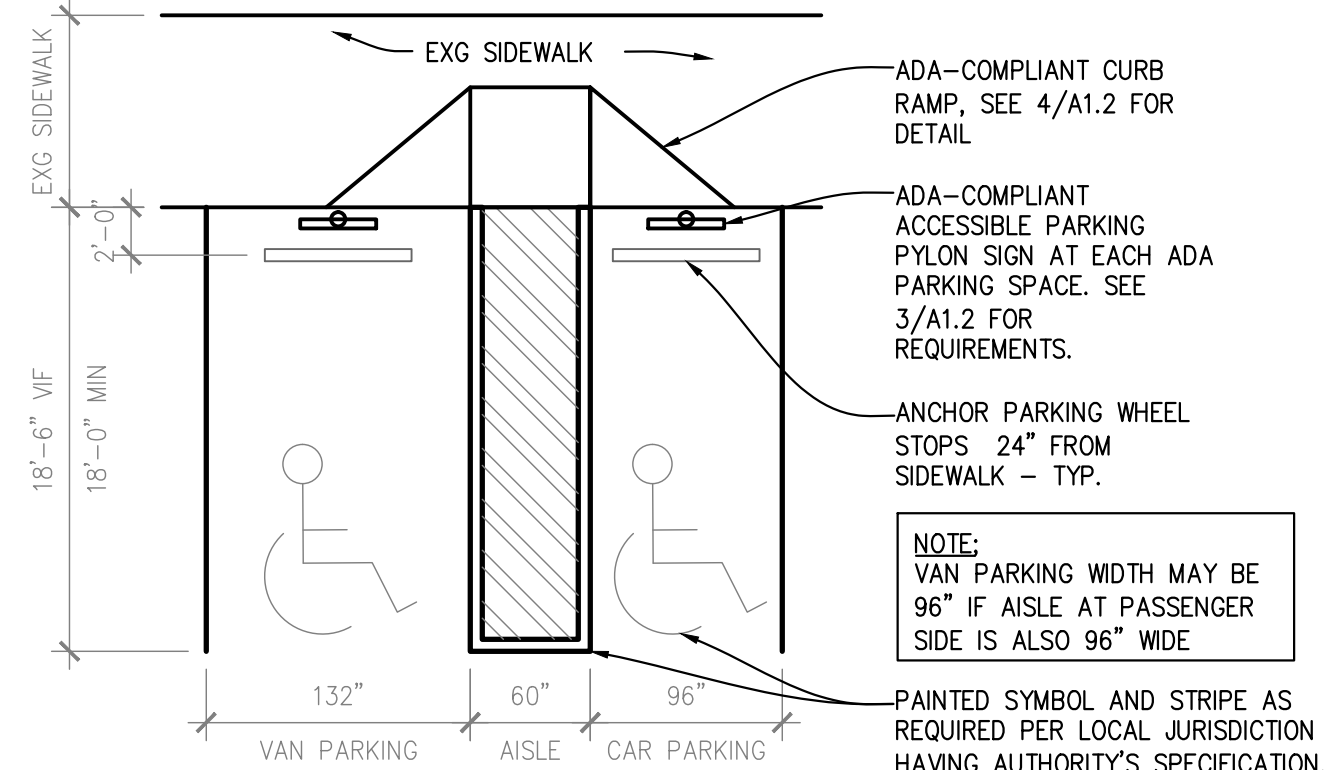
SITE PARKING DATA	
THE ON-SITE PARKING REQUIREMENTS PER TABLE 2 OF SECTION 19.04.010 IS 1 PER 175 SF FOR GENERAL RETAIL SPACE LESS THAN 25,000 SF.	
LEASE AREA: 16,035 SF	
PARKING REQUIRED: 91 STALLS	
PARKING PROVIDED: 588 STALLS AVAILABLE	
ADA STALLS REQUIRED/PROVIDED: 4 STALLS	

SITE ARCHITECTURAL KEYNOTES	
1	LOCATION OF ENTRY/EXIT DOORS.
2	EXG SIDEWALK TO REMAIN.
3	IF NOT ALREADY, PROVIDE ADA-COMPLIANT CURB-RAMP, GC TO FIELD VERIFY EXACT LOCATION. SEE 4/A1.2 FOR REQUIREMENTS.
4	IF NOT ALREADY, PROVIDE (4) ACCESSIBLE PARKING SPACES CLOSEST TO THE ENTRY DOOR. GC TO FIELD VERIFY EXACT LOCATION. RE-PAINT SYMBOL AND RE-STRIPE AS REQUIRED PER LOCAL JURISDICTION HAVING AUTHORITY'S SPECIFICATION. SEE DETAIL 5/A1.2.
5	IF NOT ALREADY, PROVIDE ADA-COMPLIANT ACCESSIBLE PARKING PYLON SIGN AT EACH ADA PARKING SPACE. SEE 3/A1.2 FOR REQUIREMENTS.
6	FIELD VERIFY LEVEL SURFACE AT ACCESSIBLE ROUTE WITH SLOPE OF NOT MORE THAN 1:48. REPAIR AS REQUIRED.

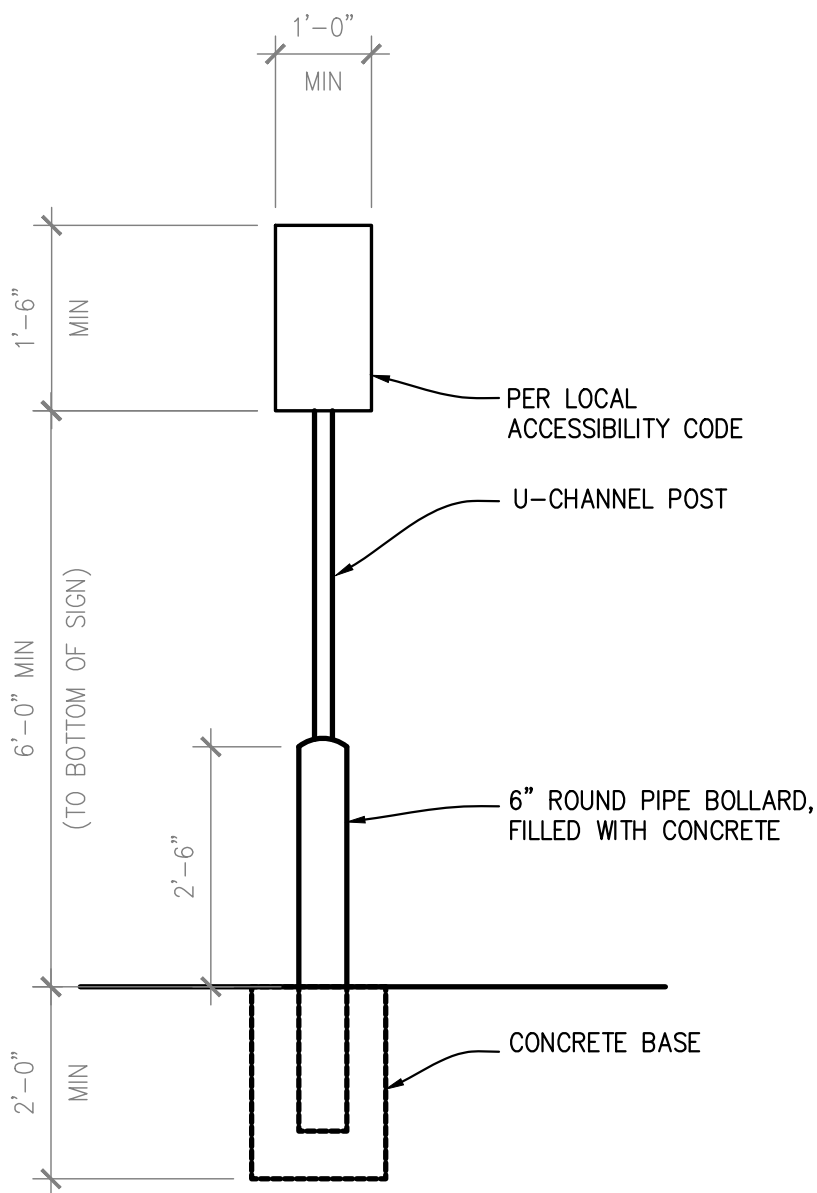
1 SITE PLAN
A1.2 SCALE: NOT TO SCALE



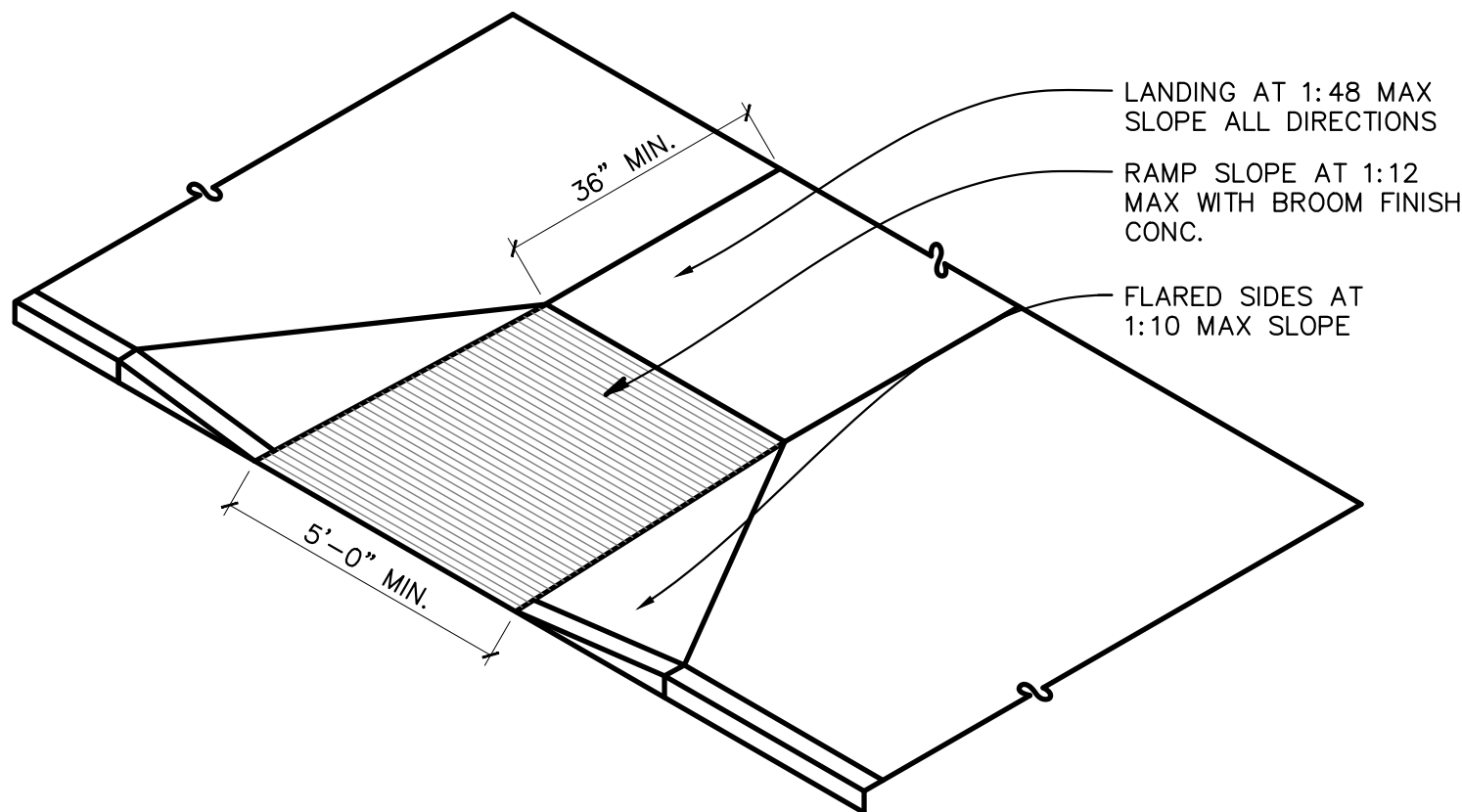
2 ACCESSIBLE PARKING SYMBOL
A1.2 SCALE: 3/4" = 1'-0"



5 ACCESSIBLE PARKING STALL
A1.2 SCALE: 1/8" = 1'-0"



3 ACCESSIBLE PARKING PYLON SIGN
A1.2 SCALE: 1/2" = 1'-0"



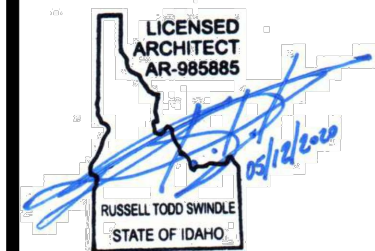
4 ACCESSIBLE CURB-RAMP DETAIL
A1.2 SCALE: 1/4" = 1'-0"

REVISIONS		DESCRIPTION	
REV	DATE		

DATE	05.11.2020	SQFTS SQ. FT.	16,035 S.F.
PROJECT #	ADP-2020-0001		
DRAWN BY	UNC		
CHECKED BY	EPG		

VERSION Q3-19 83x83

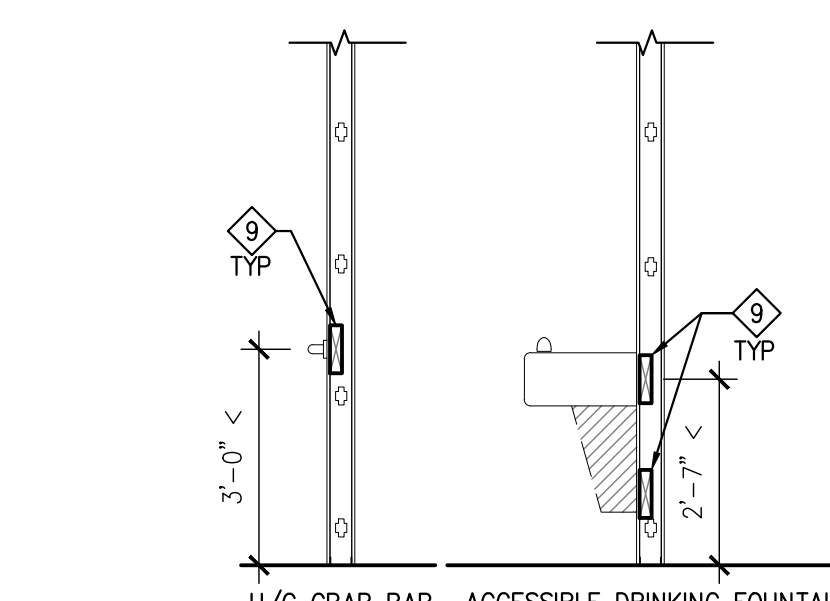
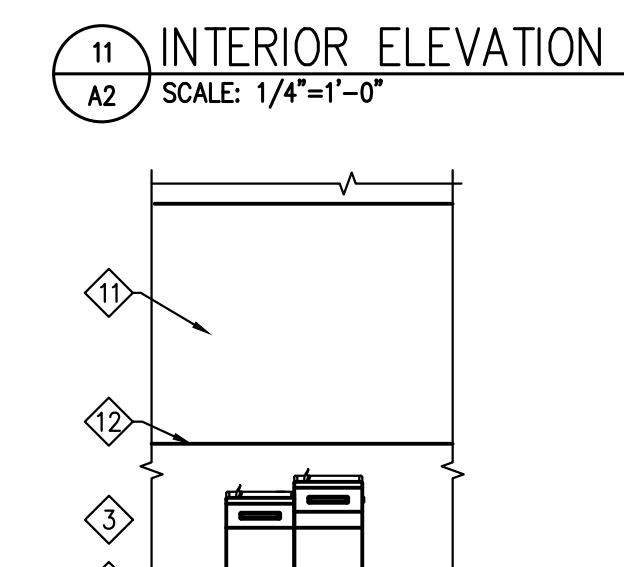
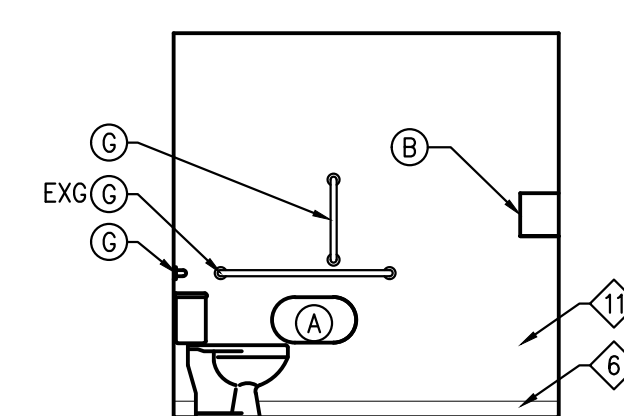
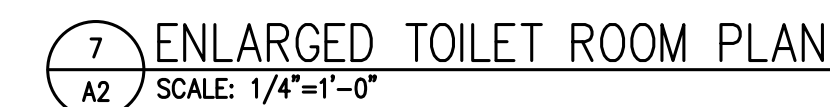
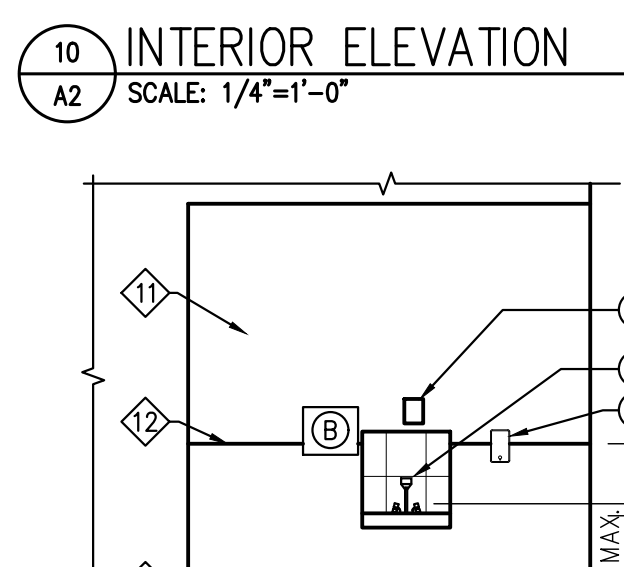
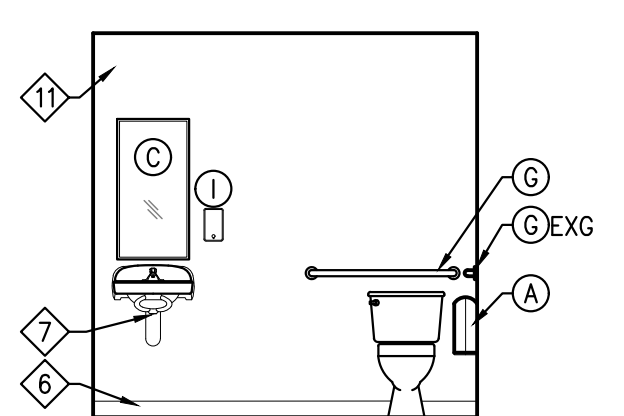
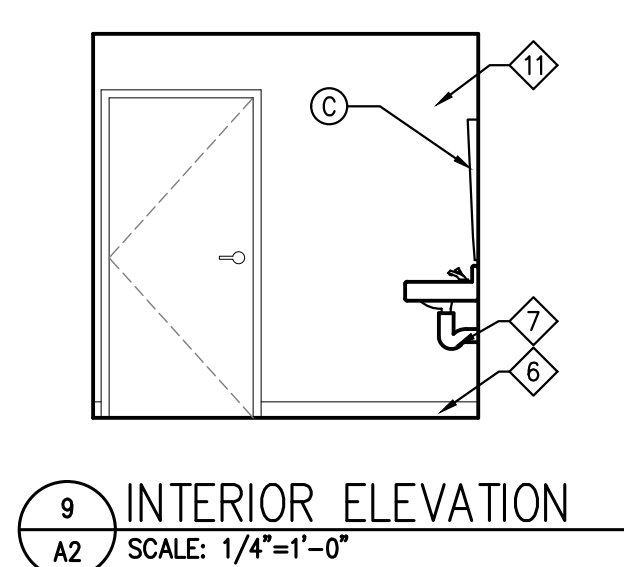
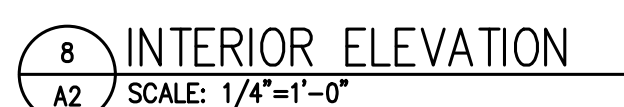
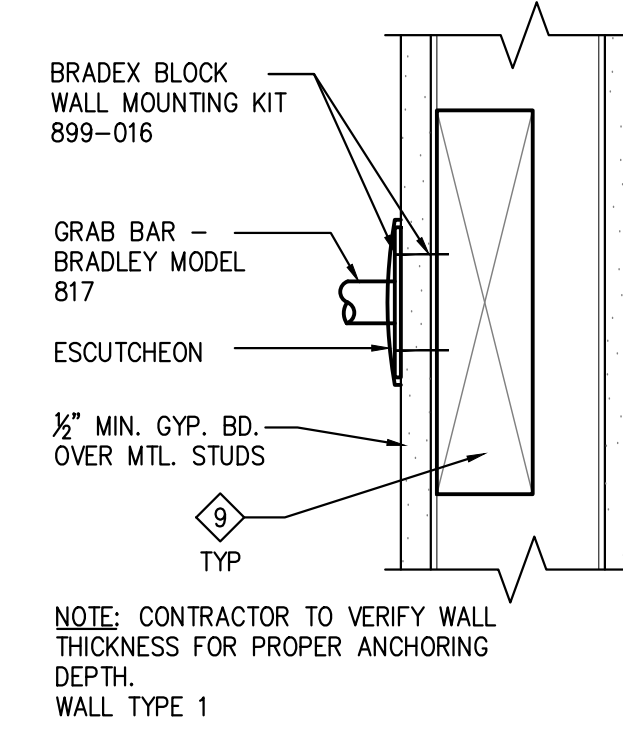
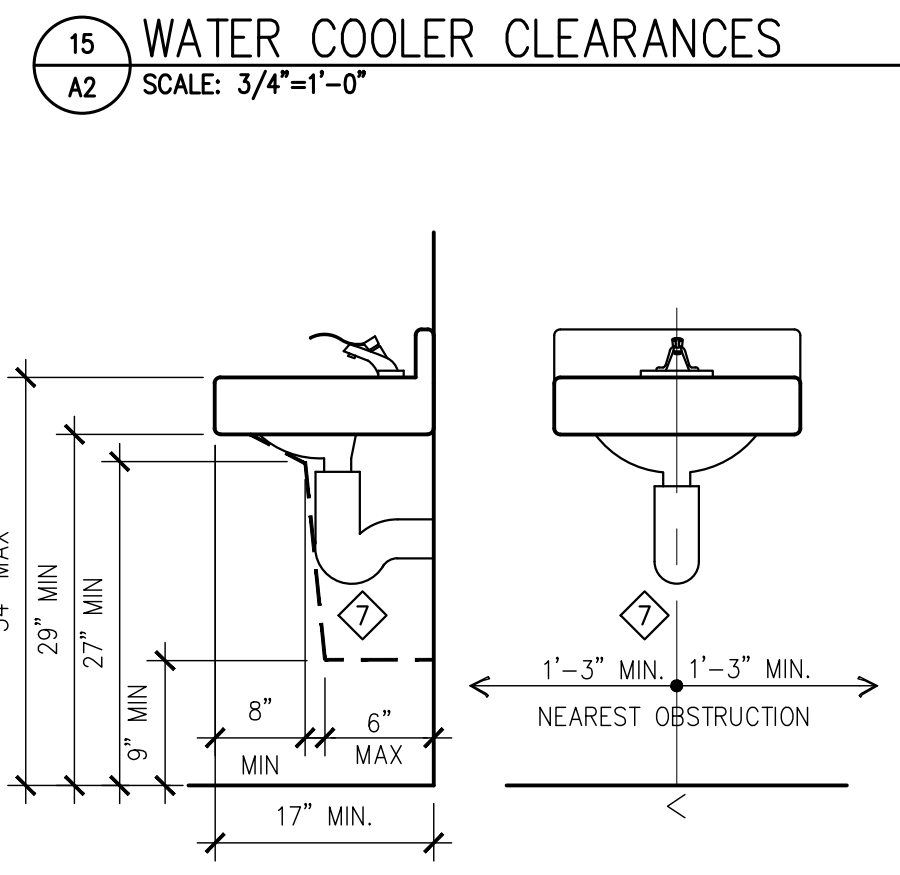
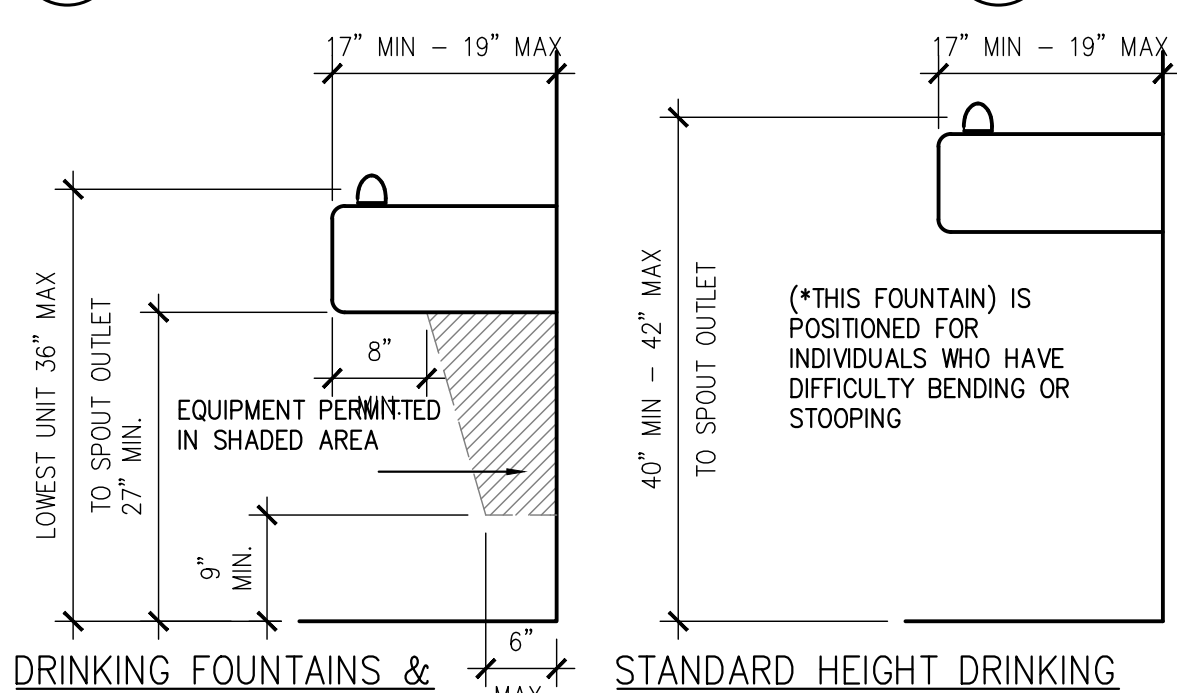
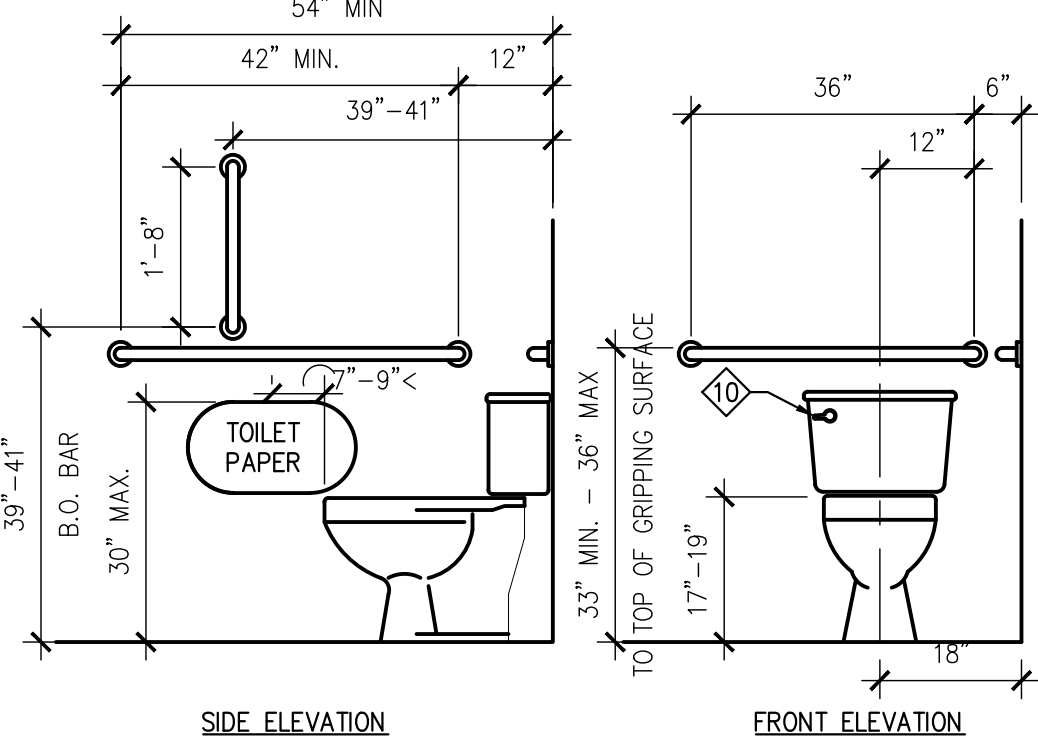
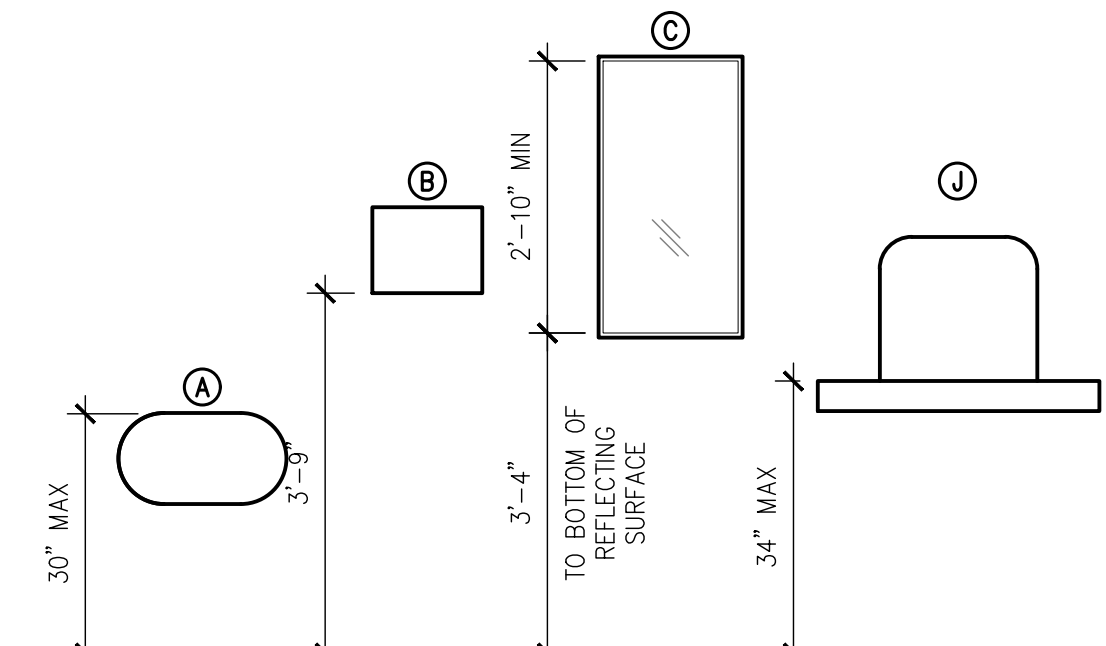
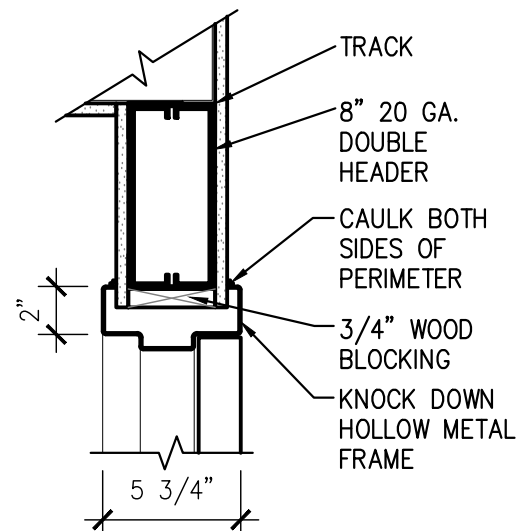
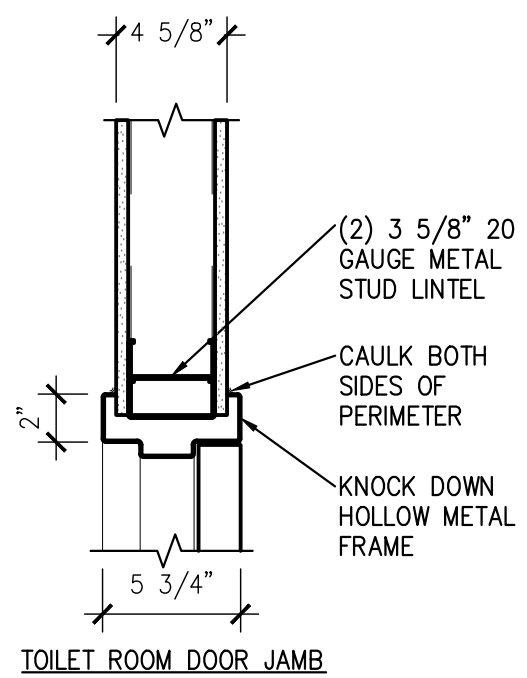
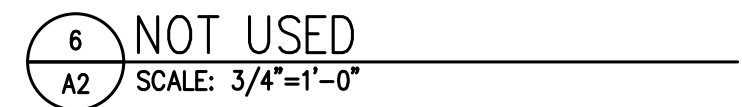
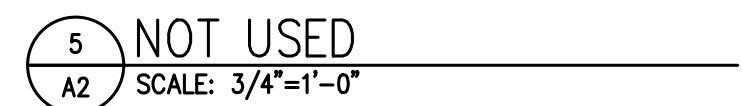
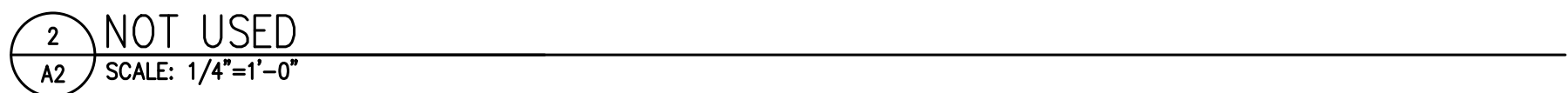
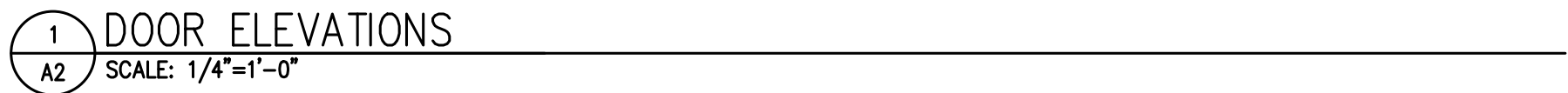
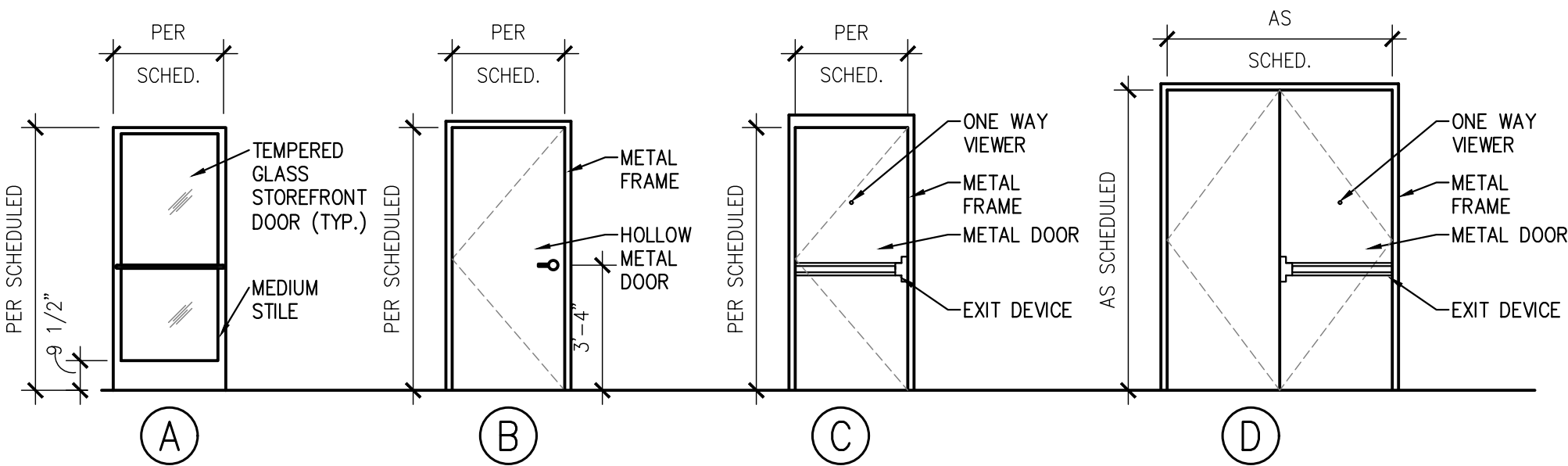
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HARDWARE SCHEDULE		
GROUP #1 - EXTERIOR EGRESS DOOR		
QTY.	DESCRIPTION	NUMBER - FINISH
NOT USED		
GROUP #2 - TOILET ROOMS		
QTY.	DESCRIPTION	NUMBER - FINISH
3	HINGES	MCKINNEY TAZ714 - US26D
1	PRIVACY SET	YALE PB 4602LN - 626
1	WALL STOP	ROCKWOOD 409 - US32D
1	GASKETING	PEMKO S773BL
GROUP #3 - ALUMINUM STOREFRONT DOORS		
QTY.	DESCRIPTION	NUMBER - FINISH
1	CONTINUOUS GEARED HINGE	PEMKO CFM SLF-HD1
1	MORTISE DEADLOCK	ADAMS RITE MS185SN - 628
1	MORTISE CYLINDER	YALE K620 1 1/2" MK - 626
1	CYLINDER CORM	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 UNJ8501 - 689
1	FLOOR STOP	ROCKWOOD 4480 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 (SEE NOTE #6)
GROUP #4 - RECEIVING DOOR		
QTY.	DESCRIPTION	NUMBER - FINISH
8	HINGES	MCKINNEY T4A336 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 V40EX2 TRIM O3AN EB - 628
1	MORTISE CYLINDER	YALE K620 1 1/2" MK - 626
2	CYLINDER CORM	YALE K600 CMK - 626
1	RIM CYLINDER	YALE K640 MK - 626
2	SURFACE CLOSER	NORTON PR8501H - 689
1	KICK PLATE	ROCKWOOD K1050 12"x41" LDW B4E CSK - US32D
2	FLOOR STOP	ROCKWOOD 4480 EXP - US26D
1	THRESHOLD	PEMKO 18/1 (2"xL) ALUM. PLATE
1	GASKETING	PEMKO 303AS
2	DOOR SWEEP	PEMKO 315 CN
1	RAIN GUARD	PEMKO 346C
1	ASTRALGAL	PEMKO 357SP
1	DOUBLE DOOR STRIKE	DETEX 84
1	VIEWER	ROCKWOOD 622 - DCRM
NOTES		
1. ALL DOOR HARDWARE SHALL BE SATIN NICKEL FINISH OR BRUSHED ALUM. FINISH 2. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBF. NO THUMB TURN PERMITTED. 3. AUDIBLE DETEX (V40) AT ALL SECONDARY EGRESS DOORS 4. ALL HARDWARE LISTED AS BASIS OF DESIGN, SUBSTITUTES WILL BE CONSIDERED ONLY WITH PRIOR AUTHORIZATION AS AN EQUAL TO SPECIFIED HARDWARE. 5. FLOOR STOPS IN VESTIBULE SHALL BE LOCATED TO PREVENT DOORS FROM HITTING ADJACENT GLAZING. 6. THUMB TURN IS PERMITTED IF THE FOLLOWING SIGNAGE IS PROVIDED MIN 1" LETTERS STATING "THIS DOOR SHALL REMAIN UNLOCKED DURING BUSINESS HOURS" 7. AAP WILL REPLACE THE CYLINDER CORMS AT TIME OF BUILDING TURNOVER. 8. ALL DOORS AND HARDWARE TO BE PROVIDED BY AUTHORIZED NATIONAL ACCOUNT DISTRIBUTION PARTNER.		

DOOR SCHEDULE									
DOOR #	DOOR LOCATION	DOOR SIZE	MATERIAL		DOOR ELEV.	FRAME		HARD-WARE	NOTES
			DOOR	FRAME		HEAD	JAMB		
100A	STOREFRONT	EXG	AL.	AL.	A	–	–	3	FRAME BY DOOR MFR. / VAP STANDARD CLEAR / PROVIDE FULLY ACCESSIBLE HARDWARE
100B	STOREFRONT	EXG	AL.	AL.	A	–	–	3	RELOCATED DOOR / FRAME BY DOOR MFR. / VAP STANDARD CLEAR / PROVIDE FULLY ACCESSIBLE HARDWARE
102	WOMEN'S RESTROOM	3'-0" X 7'-0" X 1-3/4"	HM	HM	B	4/A2	4/A2	2	UNDER CUT DOOR 1" FOR EXHAUST AIR MAKE-UP
103	MEN'S RESTROOM	3'-0" X 7'-0" X 1-3/4"	HM	HM	B	4/A2	4/A2	2	UNDER CUT DOOR 1" FOR EXHAUST AIR MAKE-UP
104	SERVICE/EXIT	EXG	HM	HM	C	–	–	4	INTERIOR SIDE IS ALWAYS UNLOCK
105	SERVICE/EXIT	EXG	HM	HM	C	–	–	4	INTERIOR SIDE IS ALWAYS UNLOCK

ACCESSORY SCHEDULE	
Label	DESCRIPTION
(A)	ADA COMPLIANT TOILET TISSUE DISPENSER.
(B)	ADA COMPLIANT PAPER TOWEL DISPENSER.
(C)	MIRROR, 18"x36"
(D)	ADA COMPLIANT "MEN" RESTROOM SIGN MOUNT AT 60" A.F.F.
(E)	ADA COMPLIANT "WOMEN" RESTROOM SIGN MOUNT AT 60" A.F.F.
(F)	ADA COMPLIANT "EMERGENCY EYE WASH" SIGN
(G)	GRAB BARS, 18", 36" and 42". 42" EXG TO REMAIN. ENSURE ADA COMPLIANT. REPAIR/REPLACE AS REQUIRED.
(H)	BRADLEY WALL MTD. EMERGENCY EYEWASH #S19-921 WITH #S19-399 WASTE CART. 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. (EXG TO REMAIN)
(I)	SOAP DISPENSER
(J)	NOT USED.
NOTES	
1.	TOILET TISSUE DISPENSER AND SOAP DISPENSER: FURNISHED BY AAP AND INSTALLED BY G.C. REFER TO RESPONSIBILITY MATRIX FOR ORDERING INFORMATION.
2.	TOILET ACCESSORIES FURNISHED AND INSTALLED BY G.C.





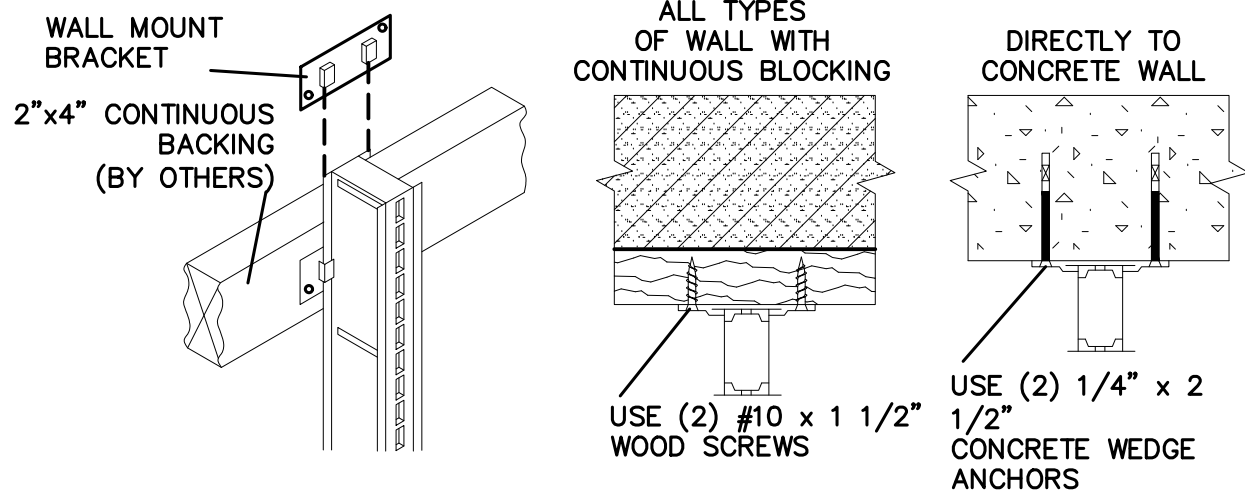
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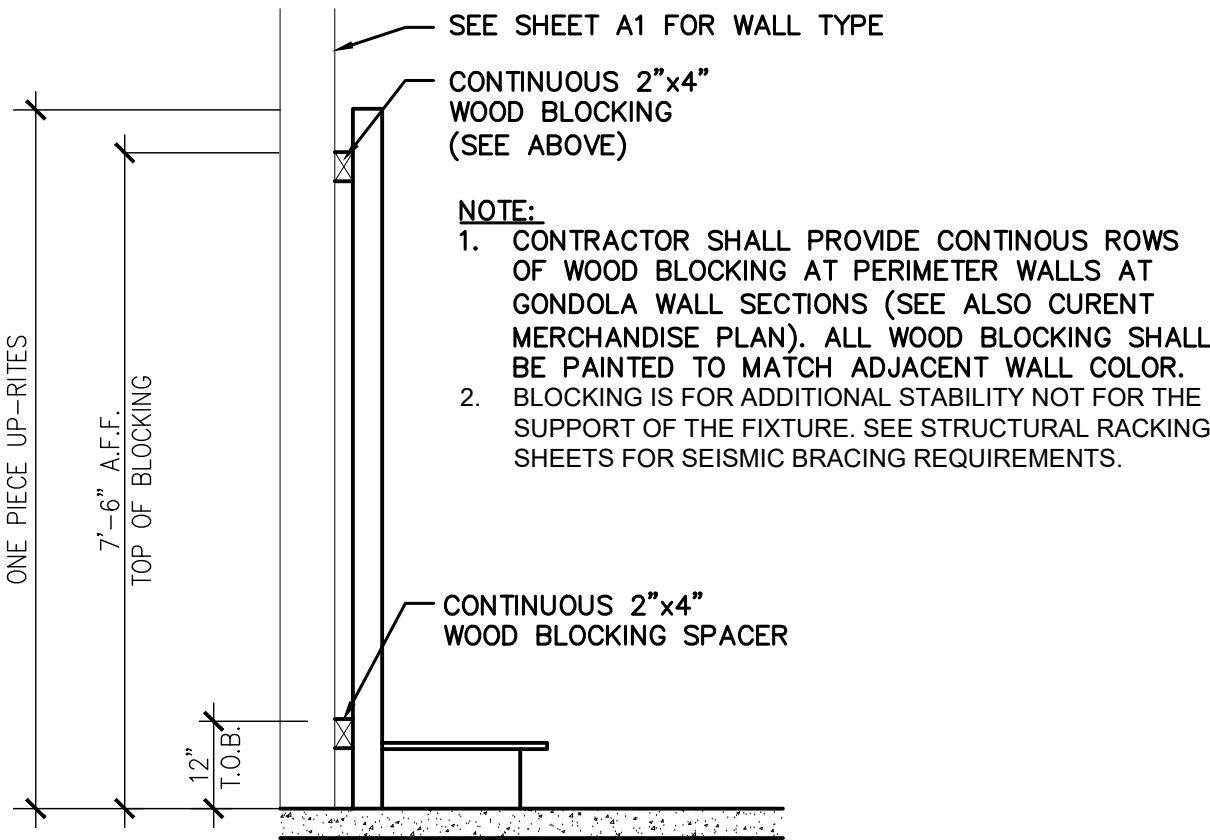
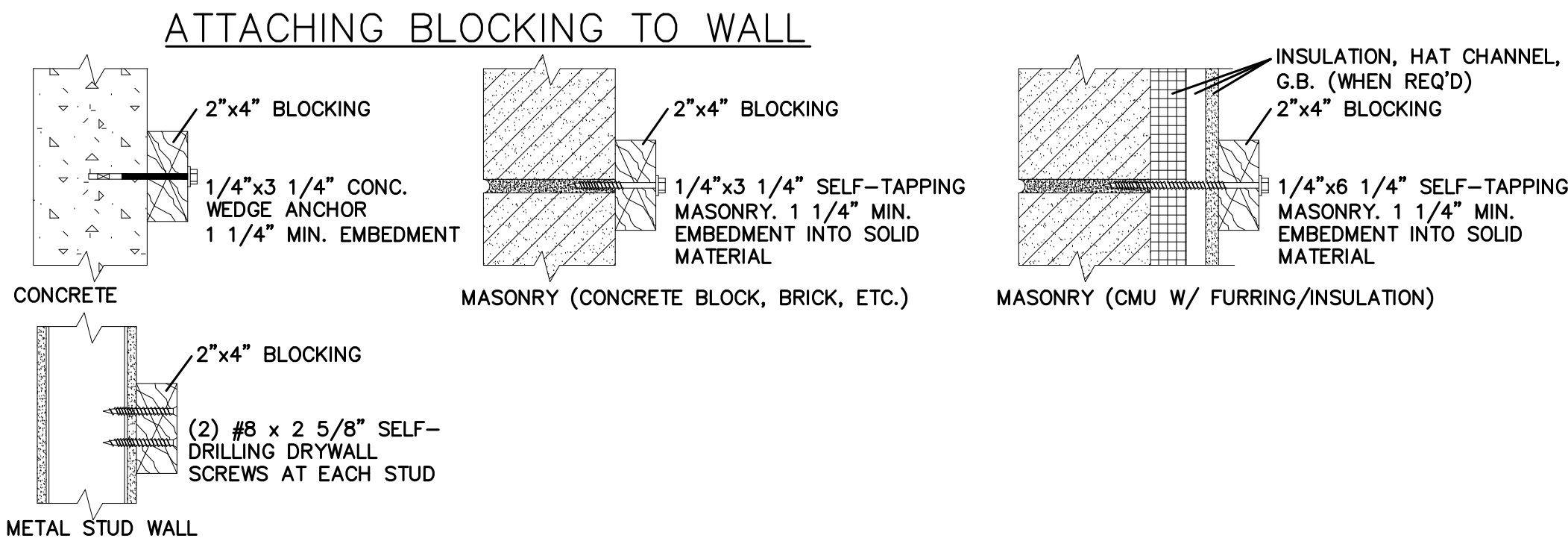
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A3

5 NOT USED
A3.1 SCALE: N.T.S.

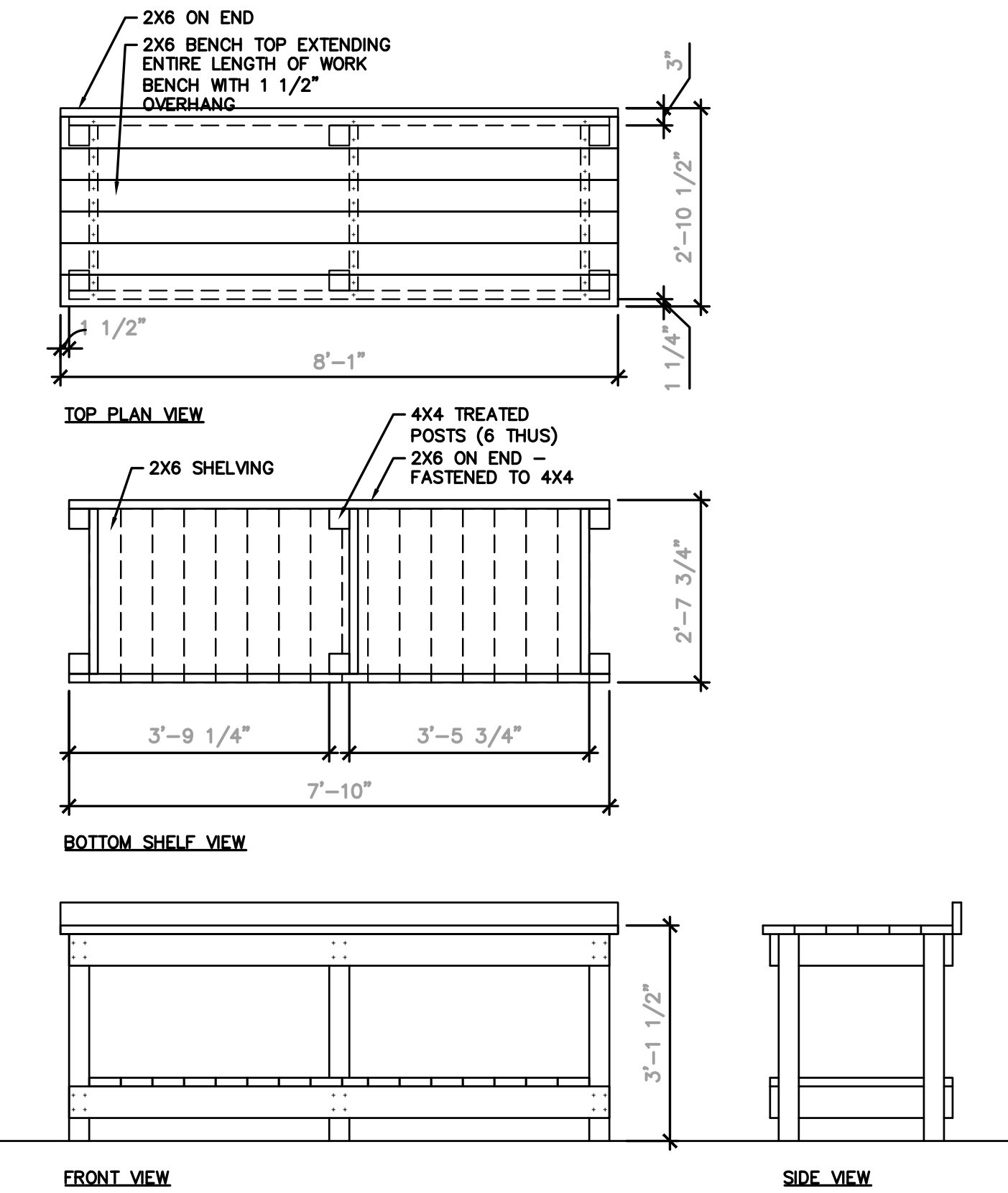
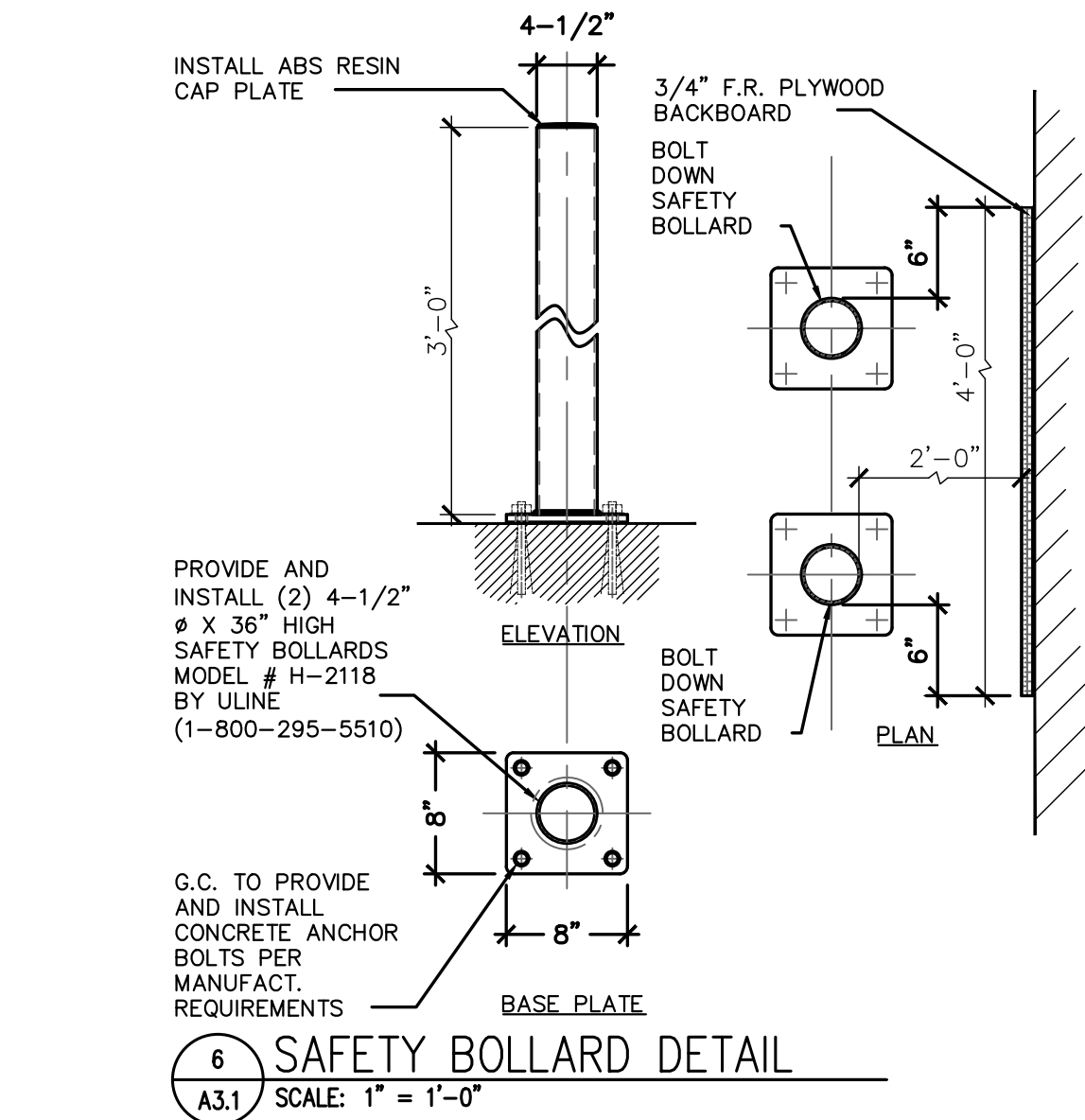


4 FIXTURE ANCHORING AT WALL SECTION
A3.1 SCALE: N.T.S.

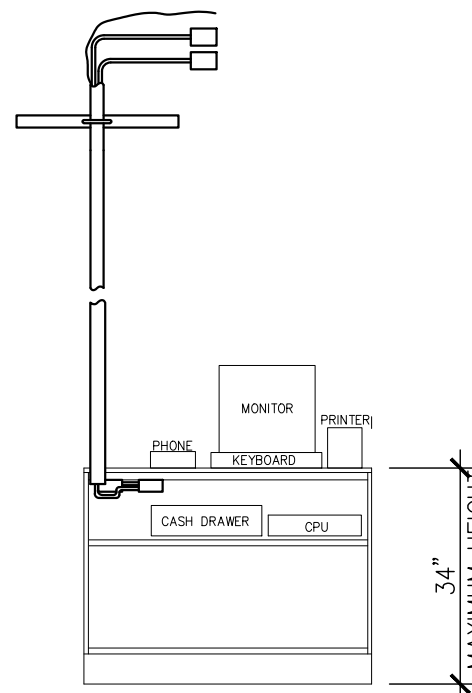


NOTE: ALL FASTENERS SHOWN ARE MINIMUM DIAMETER AND LENGTH FOR APPLICATIONS ILLUSTRATED.

3 BLOCKING AT WALL SECTION
A3.1 SCALE: N.T.S.



7 HYDRAULIC HOSE CRIMPER BENCH
A3 SCALE: 1/2" = 1'-0"



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

REVISIONS		DESCRIPTION
REV	DATE	

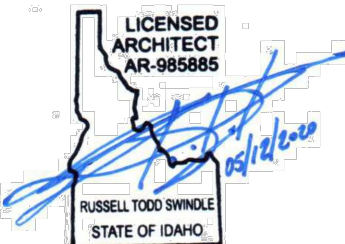
DATE	GROSS SQ. FT.
05.11.2020	16,035 S.F.

PROJECT #	AAP-28852
DRAWN BY:	LNC

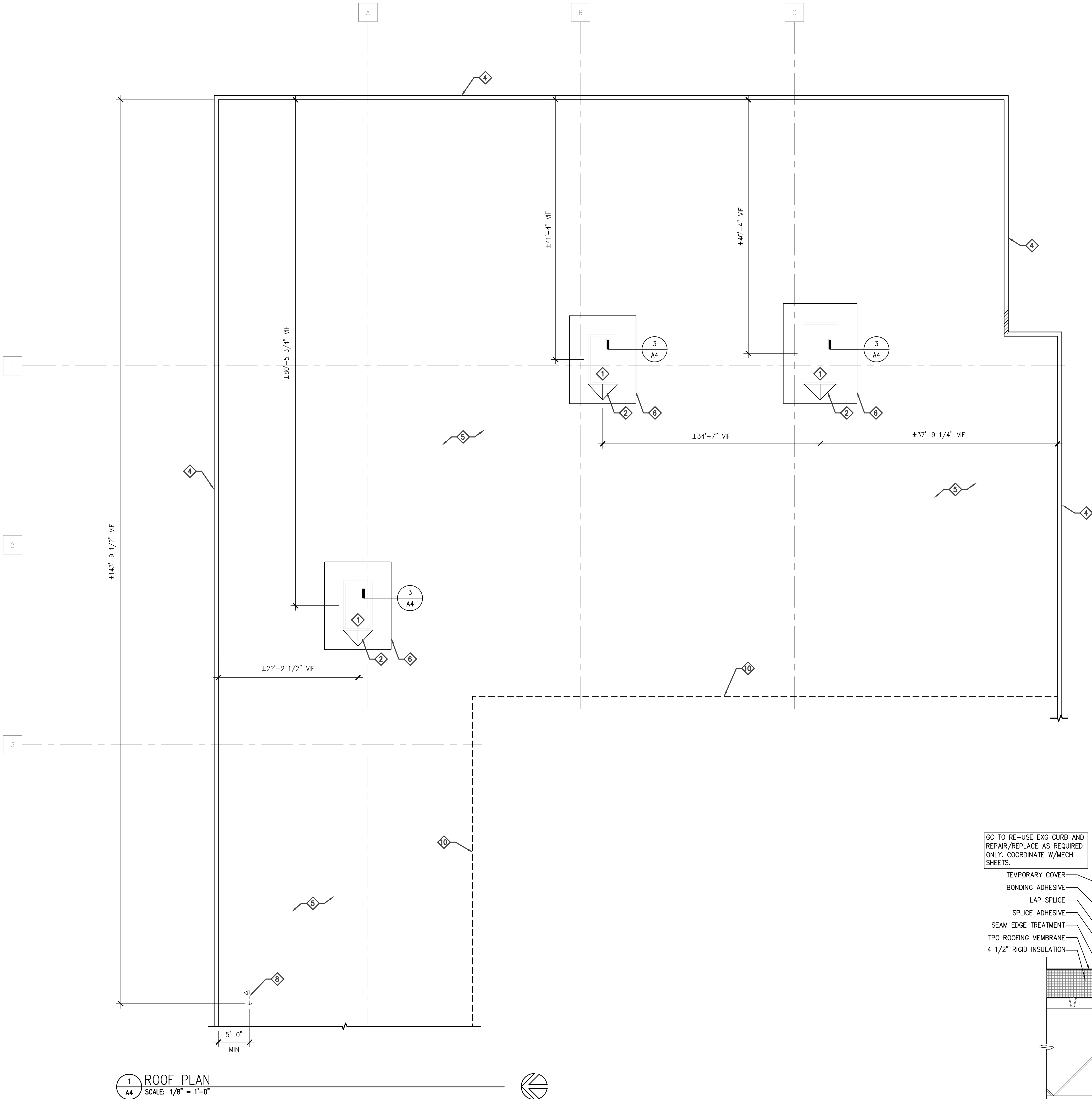
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MERCHANDISE PLAN



ROOF PLAN KEY NOTES:

- 1 RTU. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- 2 BUILT-UP CRICKET W/MIN. 1/2" PER FOOT SLOPE.
- 3 NOT USED.
- 4 PRE-FINISHED METAL COPING. REFER TO SHEETS A7&A8 FOR ADDITIONAL INFORMATION.
- 5 MEMBRANE ROOFING
- 6 WALK AREA MEMBRANE, REFER TO ROOFING MANUFACTURER'S SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 7 NOT USED
- 8 SATELLITE WEATHER HEAD PENETRATION, REFER TO DETAIL 5/A4.
- 9 NOT USED.
- 10 DASH LINE INDICATES LEASE SPACE BELOW.

ROOF PLAN GENERAL NOTES:

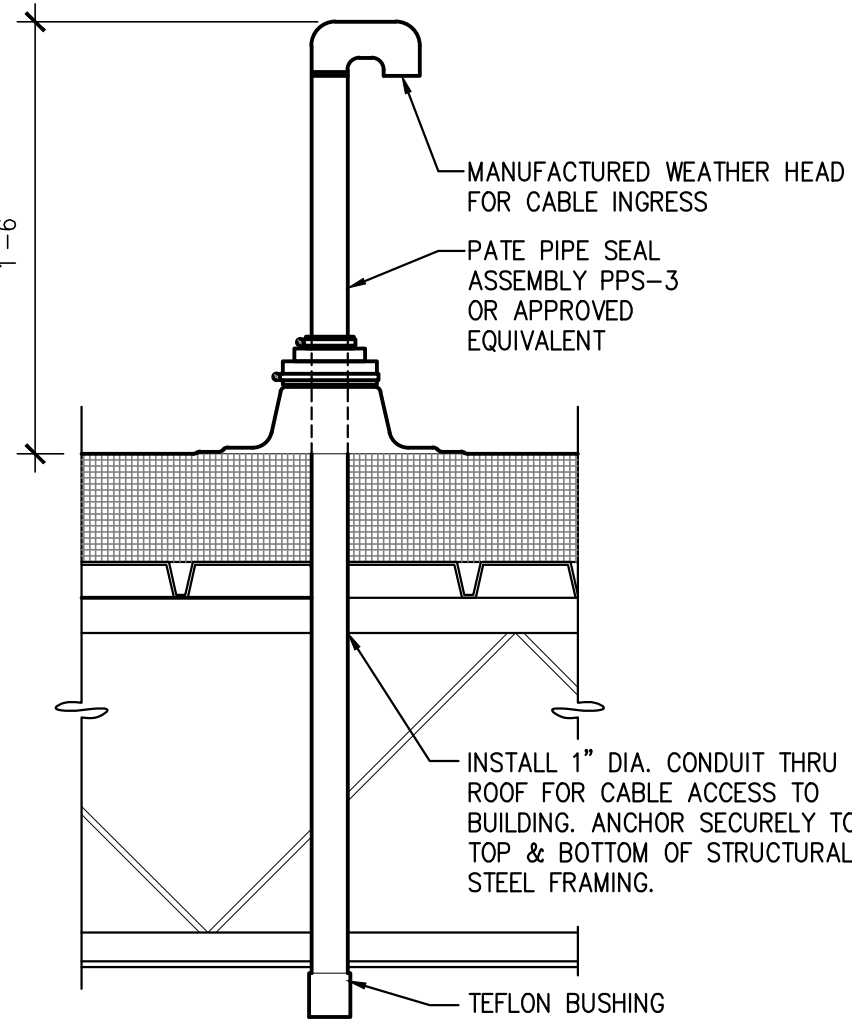
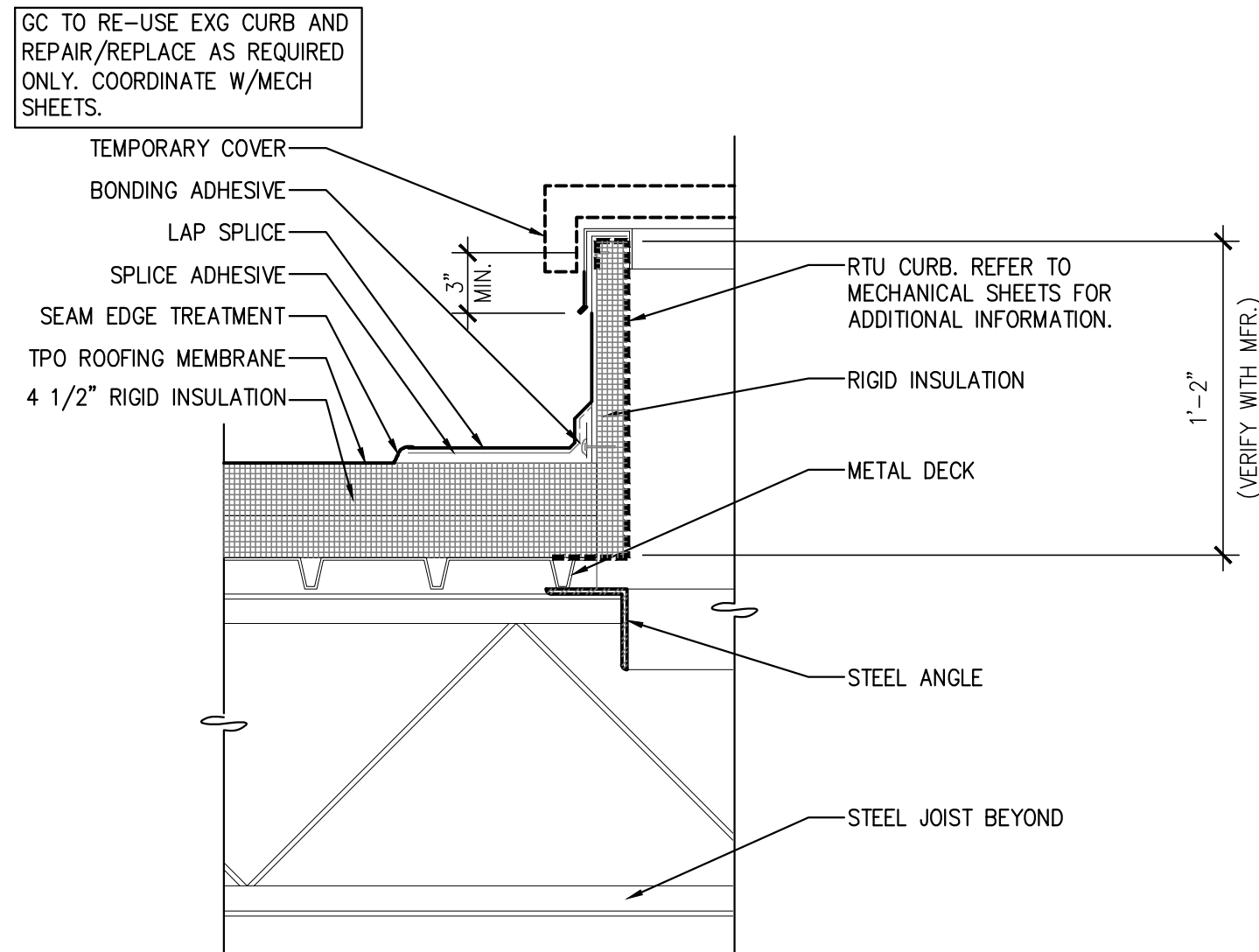
1. ROOFING MEMBRANE SYSTEM: 60 MIL ULTRAPLY TPO WHITE MECHANICALLY FASTENED TO DECK OVER RIGID POLYISOCYANURATE INSULATION.
2. ROOFING SYSTEM TO HAVE A TOTAL SYSTEMS NO DOLLAR LIMIT WARRANTY FOR FIFTEEN (15) YEARS FROM DATE OF SUBSTANTIAL COMPLETION. WARRANTY SHALL BE DELIVERED TO ADVANCE AUTO PARTS CONSTRUCTION PROJECT MANAGER.
3. ROOFING SYSTEM TO BE INSTALLED BY A QUALIFIED CONTRACTOR/INSTALLER, APPROVED BY MANUFACTURER TO INSTALL MANUFACTURER'S PRODUCTS.
4. ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS
5. ANY DEVIATION OR CHANGES TO THE ROOFING SPECIFICATIONS WITHOUT WRITTEN APPROVAL OF THE ROOFING SYSTEM MANUFACTURER ARE NOT ALLOWED. A PRE-INSTALLED NOTICE SHALL BE PROVIDED TO THE AAP CONSTRUCTION PROJECT MANAGER PRIOR TO CONSTRUCTION.
6. COMPONENTS FOR THE ROOFING SYSTEM TO BE OBTAINED FROM AN APPROVED ROOFING SYSTEM MANUFACTURER (AS LISTED.)
7. APPROVED ROOFING SYSTEM MANUFACTURERS ARE ONLY AS FOLLOWS:
 - A. FIRESTONE BUILDING PRODUCTS
250 WEST 96TH ST.
INDIANAPOLIS, IN 46260
PHONE: 800.428.4442
 - B. JOHNS MANVILLE
717 17TH ST.
DENVER, CO 80202
PHONE: 303-978-2000
 - C. GAF
1 CAMPUS DRIVE
PARSIPPANY, NJ 07054
PHONE: 973-628-3000
8. SELECTED ROOFING CONTRACTOR TO PROVIDE LAYOUT AND FASTENING DRAWINGS AS REQUIRED BY GOVERNING JURISDICTION (LOCAL BUILDING DEPARTMENT).
9. ROOFING CONTRACTOR SHALL PROVIDE A PRE-INSTALLATION NOTICE TO THE AAP PROJECT MANAGER AND THE GENERAL CONTRACTOR.
10. ROOFING INSTALLATION IS TO MEET MINIMUM FM I-90 REQUIREMENTS.
11. REFER TO FRAMING (STEEL) PLAN FOR ACTUAL SLOPES.

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



2 NOT USED
A4 SCALE: NOT TO SCALE

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



5 SATELLITE CONDUIT DETAIL
A4 SCALE: 1 1/2"=1'-0"



Advance Auto Parts
125 VALLEY RIVER ROAD
REXBURG, ID 83440
STORE #104223

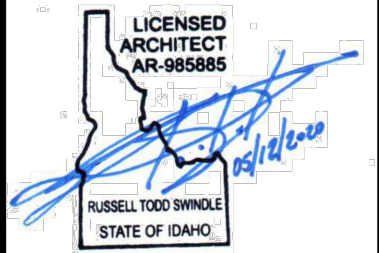
REVISIONS		DESCRIPTION	
REV	DATE	REV	DATE

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05.11.2020	16,035 S.F.

PROJECT #	AAP-28852
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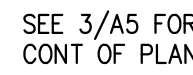


ROOF PLAN
AND DETAILS

A4

ELECTRICAL CONTRACTOR TO ADD 5'-0" WHIPS ON ALL LIGHT FIXTURES. WHIP 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.

1. ALL ITEMS TO BE SUSPENDED (SUSPENDED CEILING, ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, PLUMBING EQUIPMENT, ETC.) SHALL BE SUSPENDED FROM THE STRUCTURE ABOVE UNLESS SPECIFICALLY STATED OTHERWISE BY THE STRUCTURAL ENGINEER. VERIFY WITH ARCHITECT/ STRUCTURAL ENGINEER PRIOR TO HANGING FROM BOTTOM CORD. IF NO STRUCTURE IS AVAILABLE OVERHEAD FOR ATTACHMENT PROVIDE UNISTRUT SUPPORTS AS REQUIRED.
2. ALL OVERHEAD APPURTENANCES IN MAIN SALS TO BE PAINTED, EXCEPT LIGHT FIXTURES & INSULATION, AUDIO VISUAL AND FIRE PROTECTION DEVICES. DUCT WORK, CONDUIITS, & GAS PIPING TO BE PAINTED. VERIFY SCOPE WITH AAP CONSTRUCTION MANAGER AT TIME OF BID.
3. ATTACH SUPPORTS FOR HANGING SIGNS TO STEEL JOIST BOTTOM CHORD AT PANEL POINTS.
4. PROVIDE HANGERS AT EACH END OF EACH LIGHT FIXTURE.
5. PAINT ALL INTERIOR GYPSUM BOARD CEILING, SOFFIT, BOTTOM AND BACK SIDES OF ALL SUSPENDED WALLS WHERE EXPOSED.
6. HORIZONTAL STRAIGHTENERS, 1 1/2" STEEL AND HANGER WIRE REQUIRED AT ALL SUSPENDED CURTAIN WALLS, IF APPLICABLE.
7. ALL METAL STUDS SHALL BE FASTENED TO RUNNERS WITH SELF TAPPING SCREWS.
8. CONTRACTOR TO COORDINATE LIGHT LOCATIONS WITH ALL ABOVE MECHANICAL EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
9. SUSPENDING LIGHT FIXTURE HEIGHTS ABOVE FINISH FLOOR MAY VARY AND WILL BE BASED ON EXISTING OVERHEAD CLEARANCES. VERIFY LIGHT HEIGHT VARIATIONS WITH AAP CHAIRMAN PRIOR TO INSTALLING FIXTURES. LIGHT FIXTURE PREFERRED HEIGHT IS 14'-0" AFF. MOUNT AS HIGH AS POSSIBLE ELSEWHERE.



A5 SCALE: $1/8" = 1'-0"$ DATE: 03/20/20



- 1 NOT USED.
- 2 EXIT SIGN, COORDINATE INSTALLATION WITH FIXTURE VENDOR TO ENSURE LOCATION ALONG AISLE TO ALLOW FOR VISIBILITY. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 3 EXG GYP BD CEILING IN RESTROOM TO REMAIN. EXTEND CEILING PER MODIFIED LAYOUT.
- 4 SECURITY LIGHT – REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 5 EXG EXTERIOR LIGHT TO REMAIN. REPLACE LAMP WITH LED LAMPS. SEE ELECTRICAL SHEETS.
- 6 SURFACE MOUNTED EMERGENCY NIGHT 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 EXG DOWNLIGHT, REPLACE LAMP WITH LED TYPE. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 9 RETURN AIR GRILLE TO REMAIN FOR MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- 10 APPROX LOCATION OF EXG RETURN AND SUPPLY AIR DUCT DROP. LOCATE NEW RTU UNIT AT SAME LOCATION.. PROVIDE CONCENTRIC DUCTWORK. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- 11 TOILET ROOM EXHAUST FANS. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

21 EXG VESTIBULE SYSTEM TO REMAIN.



A3 SCALE: $1/8" = 1'-0"$ DATE: 03/20/20

<u>DATE</u>	<u>GROSS SQ. FT.</u>
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<u>DATE</u>	<u>GROSS SQ. FT.</u>
05.11.2020	16,035 S.F.

PROJECT #
AAP.28855

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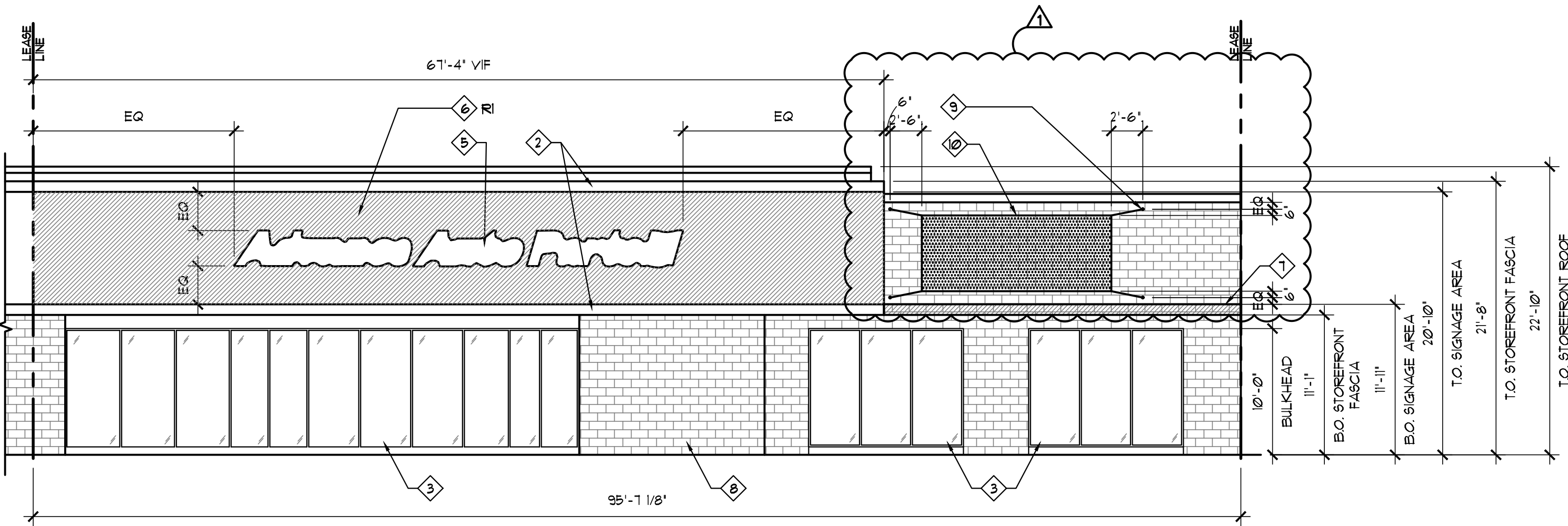
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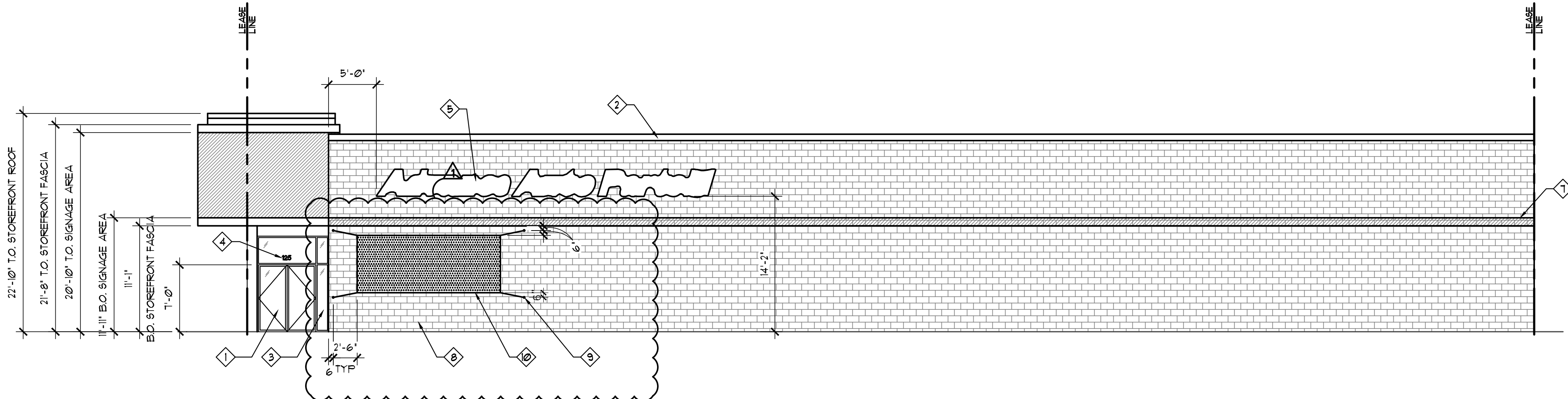
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A5



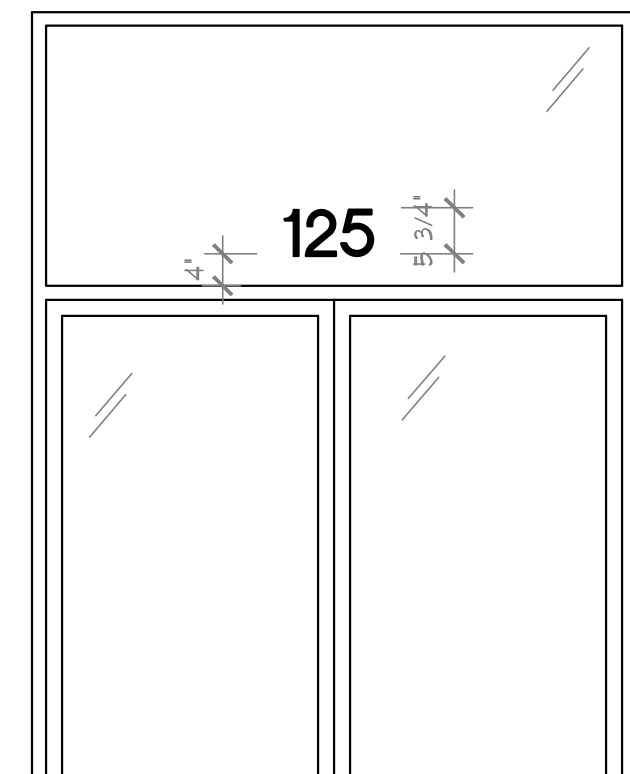
1 SOUTH ELEVATION/STOREFRONT ELEVATION
SCALE: 1/8" = 1'-0"



2 EAST ELEVATION AT ENTRY DOOR
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION KEY NOTES:

- EXG STOREFRONT ENTRY DOORS TO REMAIN. CLEAN TO LIKE-NEW CONDITION. ENSURE IN GOOD WORKING CONDITION. REPAIR AS REQUIRED.
- EXG STOREFRONT FINISH TO REMAIN.
- EXG STOREFRONT GLAZING TO REMAIN. INSTALL WINDOW TINT. CLEAN TO LIKE-NEW CONDITION. ENSURE IN GOOD WORKING CONDITION. REPAIR AS REQUIRED.
- GC TO PROVIDE 4 INSTALL 5/4" 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.
- ILLUMINATED STOREFRONT SIGNAGE. REFER TO ELECTRICAL DRAWINGS FOR SIGNAGE REQUIREMENTS. SIGNAGE IS PERMITTED SEPARATELY AND INSTALLED BY OTHERS. SIGNAGE IS SHOW FOR REFERENCE ONLY.
- HATCH AREA INDICATED RED PAINT/BANDING.
- SIZE RED PAINT BANDING WIDTH TO MATCH ADJACENT LL BANDING.
- EXG CMU FINISH TO REMAIN.
- GC TO PROVIDE (4) 1/2" x GALVANIZED STEEL ANCHOR EYE BOLTS FOR INSTALLATION OF EACH SIGN BANNER. WHEN APPLICABLE, EPOXY SET INTO MASONRY WALL.
- 15'-0" x 6'-0" TENANT-FURNISHED SIGN BANNER. GC TO INSTALL.



RTA VINYL
-ORACAL 651 WHITE, 25 MIL VINYL
-COLORS ARE WHITE ON BLACK
-FONT SIZE IS 5.15"
-300P BLACK OUTLINE
-20' BLEED
-COMPRESSION NONE
-FONT IS STANDARD BOLD CONDENSED
-INSTALL 4" ABOVE DOOR FRAME

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

MATERIAL SCHEDULE

MATERIAL:	EXTERIOR PAINT:	LOCATION:
A1	AAP-A1 BEACHCOMBER 20YY 50/082	EXTERIOR BLOCK WALLS, STUCCO, METAL DOOR
B1	AAP-B1 CASTLE ROCK 10YY 41/083	EXTERIOR BLOCK WALLS, STUCCO, METAL DOOR
B2 (ALT)	AAP-B2 SAND MOTIF 00YY 38/123	EXTERIOR BLOCK WALLS, STUCCO, METAL DOOR
R1	AAP-R1 ADVANCE AUTO PARTS RED 00YY 38/123	EIFS SIGN BAND, EXTERIOR BLOCK WALLS
R2	AAP-R2 ADVANCE AUTO PARTS RED	ALUMINUM STOREFRONT, METAL COLUMNS AND ALTERNATE EXTERIOR ALUMINUM ROOF
RAILS	BLACK	HANDRAILS
SAFETY	SAFETY YELLOW	BOLLARDS, MANDATED SAFETY AREAS

GENERAL NOTES:

- 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.
- ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT CONCRETE, 1-3/4" x 1-3/4" x 15-3/8", WITH 3/8" MORTAR JOINTS, WITH TOTAL COURSE HEIGHT TO EQUAL 8", IN RUNNING BOND PATTERN.
- PROVIDE TOOLED CONCAVE MORTAR JOINTS UNLESS NOTED OTHERWISE. MORTAR JOINTS ARE TO BE STRUCK AND BRUSHED.
- ALL CONTROL, BUILDING AND EXPANSION JOINTS TO BE INSTALLED PER ASTM, CONCRETE AND/OR BRICK INDUSTRY STANDARDS AS APPLICABLE.
- PROVIDE SEALANT AT ALL UNLIKE MATERIALS.

PAINT SPECIFICATION

Exterior Paint Specifications for Advance Auto Parts – New Construction & Repaint / Re-image (updated June 2019)

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 and B2:

NEW:

- 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.
- Primer / Filler: PPG SpeedHide 6-15 Hi-Fill Block Filler or PPG Perma Crete 4-100 Block Surfer (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.
- 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 Beachcomber, AAP-B1 Castle Rock, or AAP-B2 Sand Motif; 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:

- Surface Preparation: Requirements same as above.
- Primer / Filler: PPG Seal-Grip 17-921 Acrylic Primer Sealer.
- 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 Beachcomber, AAP-B1 Castle Rock, or AAP-B2 Sand Motif; 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 and B2:

NOTE: Minimum application temperature of 45 degrees for all metal finishes

REPAINT & NEW (if needed):

- 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.
- Primer: 1 Coat (minimum) PPG 90-912 Pitt-Tech DTM Acrylic Primer Sealer
- Finish: 2 Coats (minimum) PPG 4216 series Pitt-Tech Semi-Gloss Acrylic Finish. COLOR to be AAP-A1 Beachcomber, AAP-B1 Castle Rock, or AAP-B2 Sand Motif; Refer to finish schedule for site specific color requirements.

1.2 Pre-finished Metal & Metal Back Door Finishes – R2:

NOTE: Minimum application temperature of 45 degrees for all metal finishes

NEW & REPAINT:

- 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.
- Primer: 1 Coat (minimum) Pitt-Guard 97-948 Gray Epoxy Primer depending upon local regulations. Apply in accordance to the product data sheet.
- Finish: 2 coats (minimum) PPG Durathane 95-3303 DTM Urethane Special Formula COLOR to be AAP-R2, Advance Auto Parts Red; Refer to finish schedule for site specific color requirements.

1.3 Exterior CMU and Stucco for Prototypes Finish – R1:

NEW:

- Surface Preparation: Remove any dirt, mud, debris, and contaminants from the surface to be painted. Make sure surface is thoroughly dry prior to applying any coatings.
- Primer: 1 Coat (minimum) PPG Seal-Grip 17-921 Acrylic Primer Sealer
- Finish: 2 Coats (minimum) PPG/Glidden PSX ONE Polysiloxane Gloss-PXONET4 COLOR to be AAP-R1, Advance Auto Parts Red; 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**

1.4 Exterior Stucco Alternate for Non-Prototypes Finish – A1, B1 or B2:

NEW:

- Surface Preparation: Remove any dirt, mud, debris, and contaminants from the surface to be painted. Make sure surface is thoroughly dry prior to applying any coatings.
- Primer: 1 Coat (minimum) PPG Seal-Grip 17-921 Acrylic Primer Sealer
- 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 Beachcomber, AAP-B1 Castle Rock, or AAP-B2 Sand Motif; Refer to finish schedule for site specific color requirements.

** A site visit is to be performed by a PPG representative prior to filler or primer application and after finish to insure sound application. Refer to the responsibility matrix for contact information**

PREVIOUSLY PAINTED:

- Surface Preparation: To be completed same as above (new)
- Primer: 1 Coat (minimum) PPG Seal-Grip 17-921 Acrylic Primer Sealer
- 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 Beachcomber, AAP-B1 Castle Rock, or AAP-B2 Sand Motif; 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**

1.5 Metal Handrails

NOTE: Minimum application temperature of 45 degrees for all metal finishes

- 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.
- Prime: As needed, spot prime bare areas with PPG 6-212 Rust Inhibitive Primer
- Finish: PPG Pitt-Tech 90-1335 Black Acrylic Gloss Enamel

Refer to product data sheets and label for specific application instructions and dry times. Advance Auto Specs (exterior) B11 Page 3 of 4

1.6 Parking Lot Bollards, Mandated Safety Requirements

- 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 6-212 Rust Inhibitive Primer for metal surfaces, or for all other surfaces. PPG 90-912 Pitt-Tech DTM Acrylic Primer Sealer 2) Finish: PPG Pitt-Tech 1333 Safety

REV	DATE	DESCRIPTION	PROJ. UPDATE
1	06.11.20		

DATE	GROSS SQ. FT.
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05.11.2020	16,035 S.F.
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PROJECT #

AAP-2880

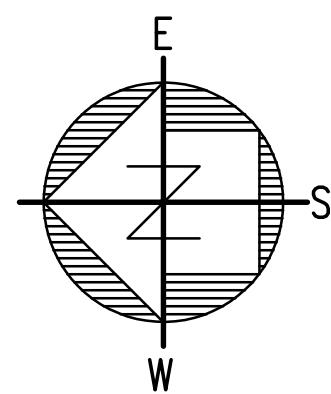
DRAWN BY: LNC

CHECK BY: EBC

VERSION Q3-19 83x83

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NOTE:
REFERENCE THE ARCHITECTURE DRAWINGS FOR DIMENSIONS
AND SHELVING TYPE.



STORAGE SHELF PLAN

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

DESIGN LOADS:

- DESIGN LOADS:
1. LIVE LOAD SHELF - - - - - 10 P.S.F.
 2. DEAD LOAD - - - - - 15 P.S.F.
- SEISMIC DESIGN DATA:
1. RISK CATEGORY - - - - - II
 2. SEISMIC IMPORTANCE FACTOR - - - - - 1.5
 3. SITE CLASS (ASSIGNED) - - - - - D
 4. MAPPED SPECTRAL RESPONSE ACCELERATIONS (S_a) - - - - - 0.445
 5. MAPPED SPECTRAL RESPONSE ACCELERATIONS (S₁) - - - - - 0.31
 6. SPECTRAL RESPONSE COEFFICIENTS (S_{D5}) - - - - - 0.475
 7. SPECTRAL RESPONSE COEFFICIENTS (S_{D1}) - - - - - 0.221
 8. SEISMIC DESIGN CATEGORY (SDC) - - - - - D
 9. BASIC SEISMIC FORCE RESISTING SYSTEM:
NON-BUILDING STRUCTURES, STEEL STORAGE RACKS.
 10. SEISMIC RESPONSE COEFFICIENT (C_s) - - - - - 0.15
 11. RESPONSE MODIFICATION FACTOR (R) - - - - - 4
 12. ANALYSIS PROCEDURE USED:
EQUIVALENT LATERAL FORCE PROCEDURE

GENERAL:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2015 INTERNATIONAL EXISTING BUILDING CODE AND ALL APPLICABLE ORDINANCES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS BEFORE STARTING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
3. WITHOUT EXCLUSION OF ANY REFERENCE IN THE CONSTRUCTION DOCUMENTS TO ANY RULE OR REGULATION, THE STRUCTURAL ENGINEER IS NOT ASSUMING ANY PROVISIONS OF SUPERVISION OF CONSTRUCTION METHODS OR PROCESSES.
4. STEEL FOR ALL SHAPES (S F_y = 50 KSI (EXCEPT AS NOTED).
5. ALL ANCHORS ARE HILTI KWIK BOLT TZ (ESR 1917) OR HUB-EZ (ESR-3221/3296).
6. EXISTING CONCRETE SLAB - MIN. 4" THICK SLAB-ON-GRADE WITH F_c - 2500 PSI AND 1500 PSF SOIL BEARING PRESSURE.
7. 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.)
8. 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.
9. ALL SHELVING SHALL BE IN COMPLIANCE WITH THE RMI.
10. THE CLEAR SPACE BELOW SPRINKLERS SHALL A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORED MATERIAL AND THE CEILING SPRINKLERS DEFLECTORS.
11. THE BACK OF HOUSE SHELVING RACKS WILL NOT BE OPEN TO PUBLIC.
12. SHELVING UNITS MAXIMUM 'OUT-OF-PLUMBNESS' SHALL BE 0.50 INCH IN 10FT.
13. SHELVING SHALL BE INSTALLED AND CONSTRUCTED PER MANUFACTURER'S INSTALLATION GUIDELINES.



Advance Auto Parts
125 VALLEY RIVER ROAD
REXBURG, ID 83440
STORE #104223

REVISIONS		DESCRIPTION	
REV	DATE	REV	DATE

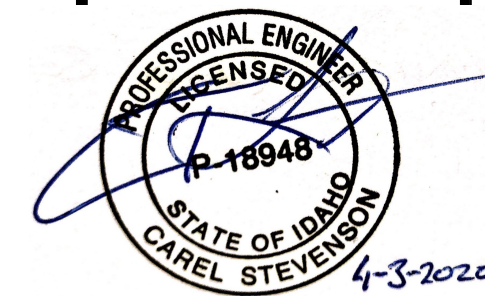
DATE	03.26.20	GROSS SQ. FT.	16,035 S.F.
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PROJECT:
REV: 2005
DRAWN BY: LNC

CHECK BY: EBC

VERSION Q3-19 83x83

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STORAGE
RACK DETAILS

SH-1

Diagram illustrating the construction of a shelving unit, showing front and side elevations.

Labels and Dimensions:

- CROSS BEAM SPACING - REF. ELEV.** (Indicated by a dimension line and arrow pointing to the side elevation)
- SEE DETAIL 2 FOR CROSS BEAM** (Callout pointing to the cross beam connection)
- MINIMUM: (2) 3" WIDE x 16 GA. 'X' STRAPS EVERY 4TH UNIT w/ MIN. #10 TEK SCREW AT EACH END TO UPRIGHT** (Callout pointing to the X-brace straps)
- SHELF SPACING - VARIES - REF. ELEV.** (Indicated by a dimension line and arrow pointing to the side elevation)
- FASTEN BACK TO BACK UPRIGHTS w/ (4) 1/4" BOLTS OR 1/2 TEK SCREWS AT 16" O.C.** (Callout pointing to the back-to-back upright connection)

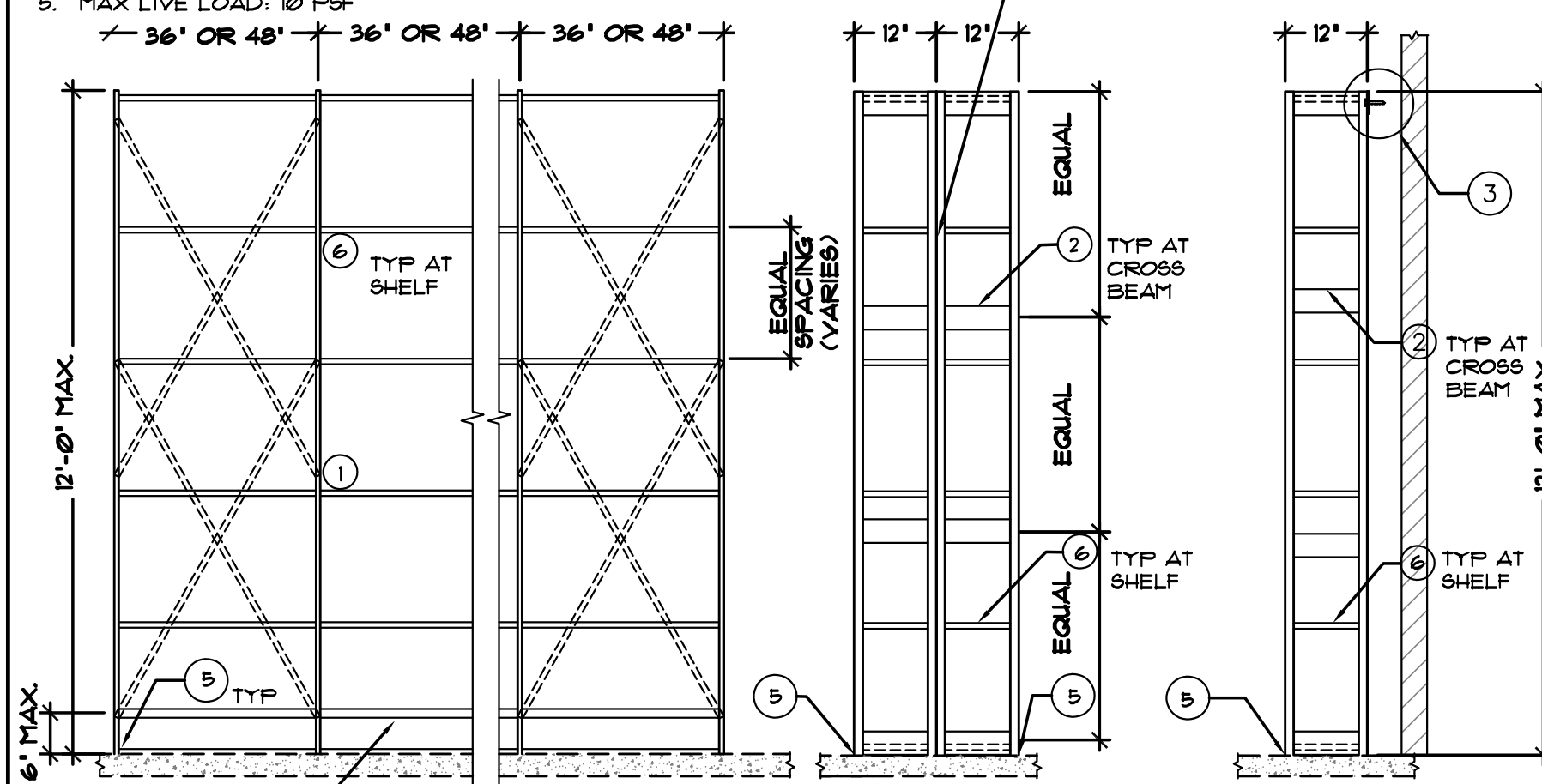
NOTE: REF. DETAIL 5 FOR BASE CONNECTION

NOTE: BACK TO BACK UNITS ONLY REQUIRE ONE SET OF 'X' BRACE STRAP PER PAIR.

①

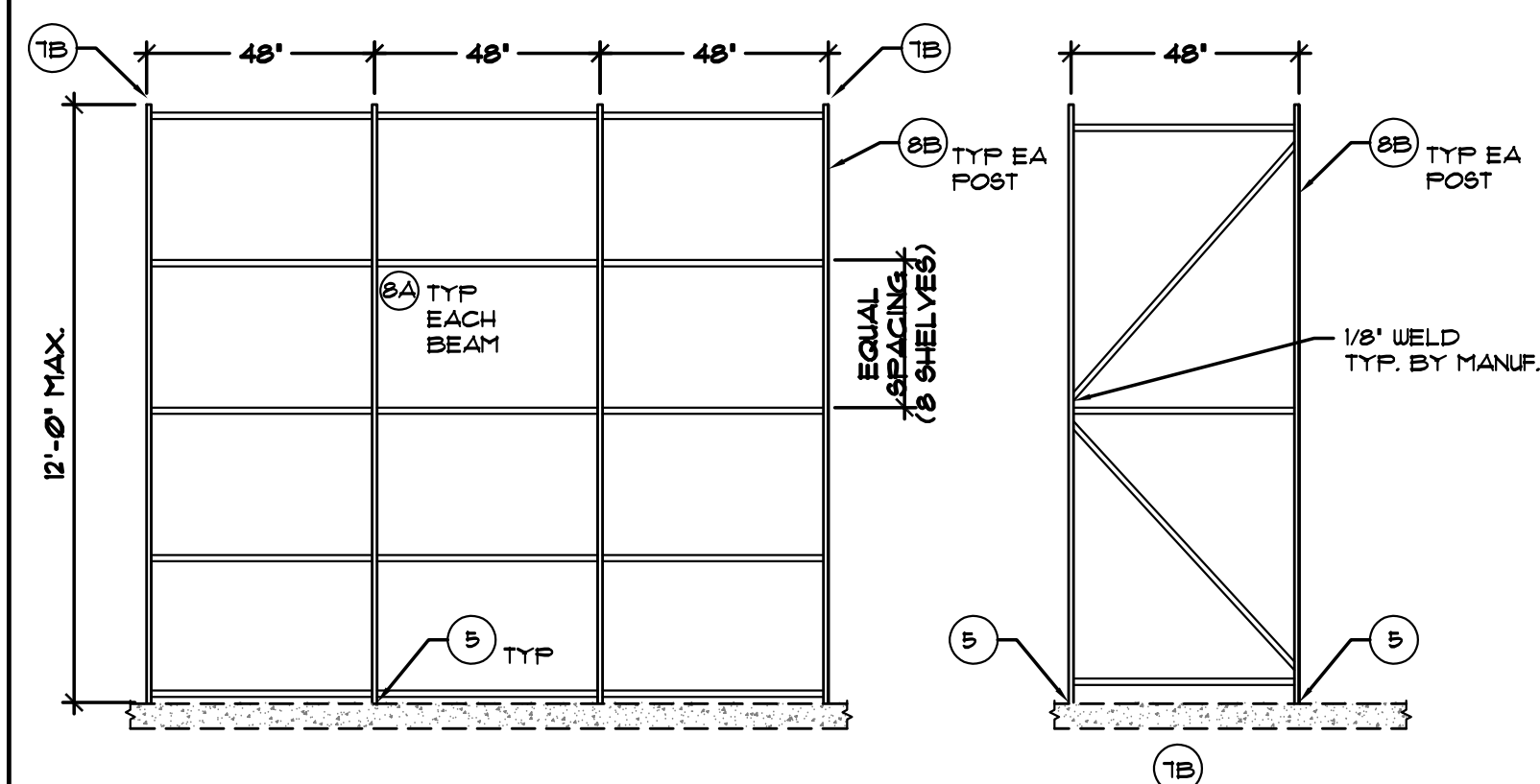
1. THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY BY ASSURING PROPER OPERATIONS, HOUSEKEEPING, AND MAINTENANCE OF THE RACK BY PREVENTING THE OVERLOADING OF THE RACK SYSTEM AND REGULARLY INSPECTING FOR DAMAGE.
2. UPON ANY VISIBLE DAMAGE, THE PERTINENT PORTIONS OF THE RACK SHALL BE IMMEDIATELY REPAIRED, TO PREVENT THE DAMAGED PORTION SHALL BE ADEQUATELY REPAIRED OR REPLACED.
3. RETAIL SHELVES SHALL BE RESTOCKED BY HAND; DO NOT USE A FORKLIFT TO RESTOCK SHELVES. DO NOT LOAD SHELVES TO EXCEED THE MANUFACTURER'S INSTALLATION GUIDELINES.
4. SHELVING SHALL BE INSTALLED AND CONSTRUCTED PER THE MANUFACTURER'S INSTALLATION GUIDELINES.
5. FIVE (5) YEAR WARRANTY

— NOTE: FOR (2) RACKS BACK TO BACK, ATTACH RACK POSTS WITH #12 TEK SCREWS OR 1/4" DIAM BOLTS @ 24" O.C. w/ (1) SCREW WITHIN 6" OF TOP AND BOTTOM

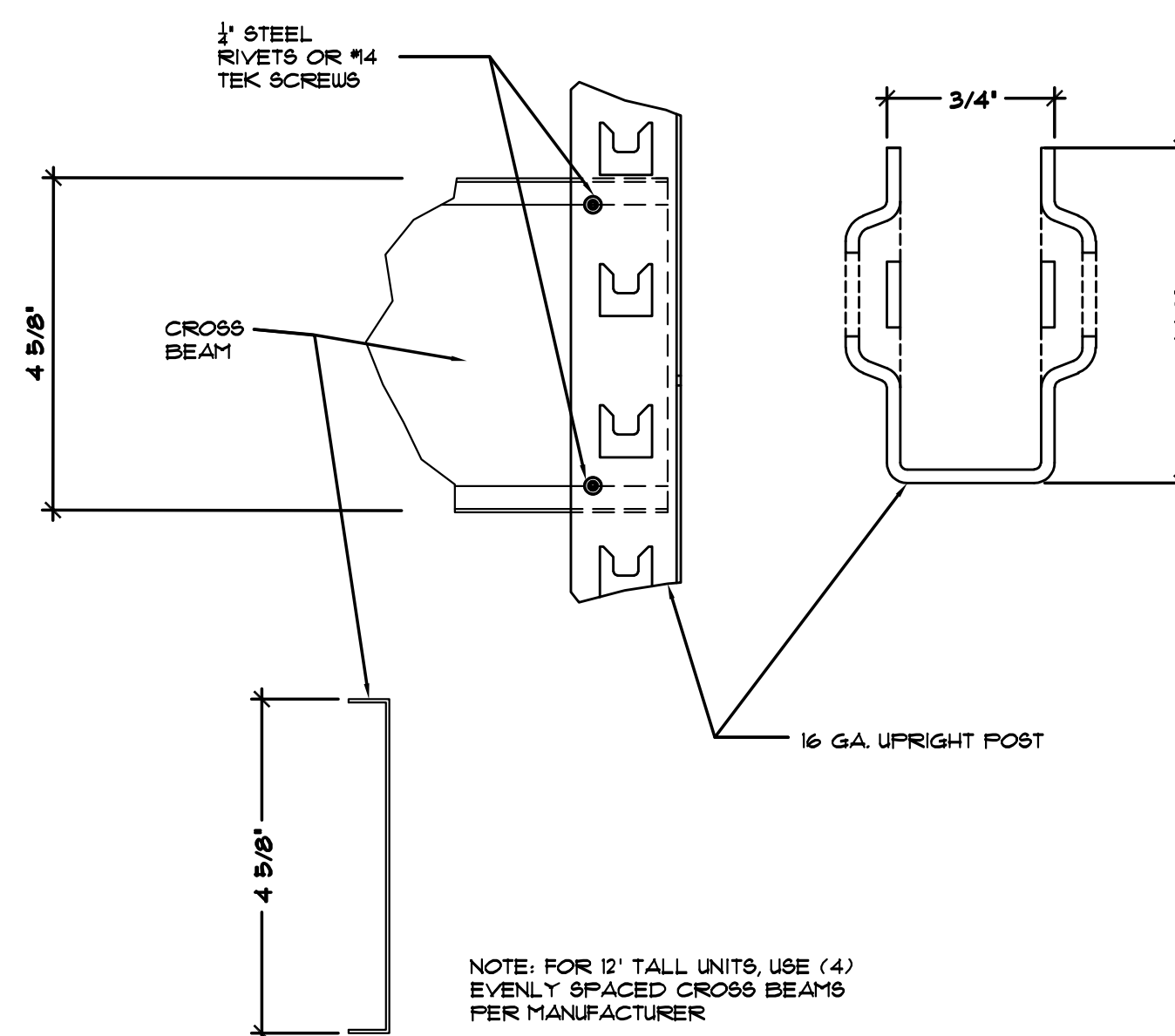


④

THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY BY ASSURING PROPER OPERATIONS, HOUSEKEEPING, AND MAINTENANCE OF THE RACK SYSTEM BY PROHIBITING OVERLOADING OF THE RACK SYSTEM AND REGULARLY INSPECTING FOR DAMAGE TO THE RACK SYSTEM. UPON ANY VISIBLE DAMAGE, THE PERTINENT PORTIONS OF THE RACK SHALL BE UNLOADED IMMEDIATELY BY THE USER AND THE DAMAGED PORTION SHALL BE ADEQUATELY REINFORCED TO SUPPORT THE UNLOADED PORTION. RETAIL SHELVES SHALL BE RESTOCKED BY HAND, DO NOT USE A FORKLIFT OR OTHER MECHANIZED LOADING TO STOCK SHELVES. SHELVING SHALL BE INSTALLED AND CONSTRUCTED PER THE MANUFACTURER'S INSTALLATION GUIDELINES.



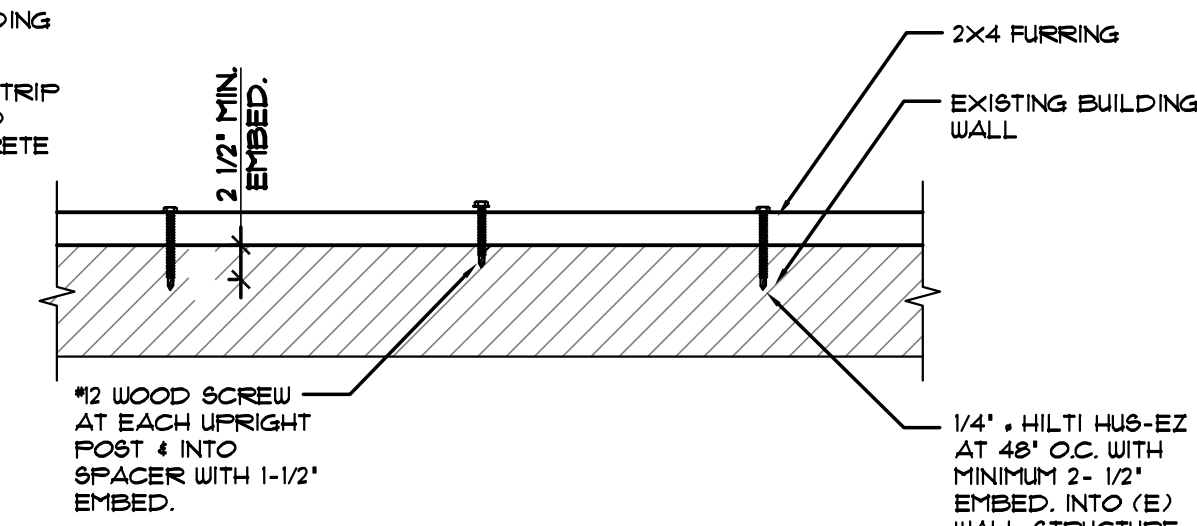
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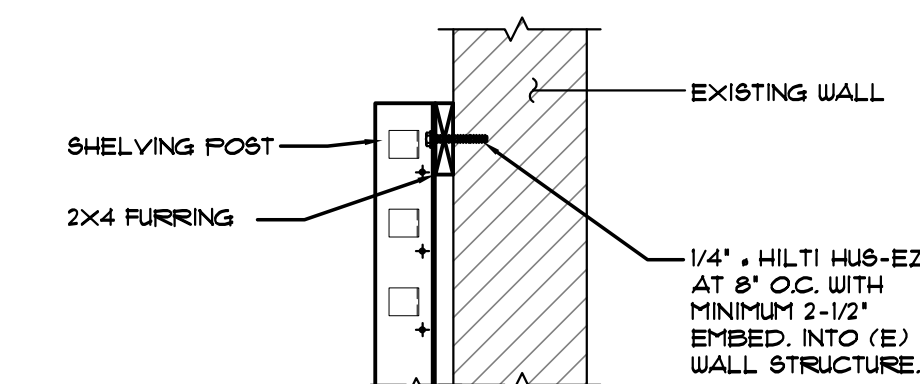
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NOTE: IN LIEU OF A 2X4 FURRING STRIP
UPRIGHT POST MAY BE ATTACHED
DIRECTLY TO THE CMU OR CONCRETE
WALL.

NOTE: IN LIEU OF A 2X4 FURRING STRIP UPRIGHT POST MAY BE ATTACHED DIRECTLY TO THE CMU OR CONCRETE WALL.



PLAN VIEW- CONCRETE OR CMU WALL



1. EXISTING BUILDING WALL IS AN 8" CMU OR CONCRETE WALL.
2. DO NOT INSTALL ANCHORS IN OR WITHIN 1-1/4" OF MOTAR JOINTS FOR CMU APPLICATIONS.

③

UPRIGHT POST
REF.-DETAIL 2 OR
8B

1/4", TEK SCREW
MIN. TO POST

12 GA. FLOOR
ANCHOR PLATE.

SINGLE POST BASE PL.

(1) Kwik Bolt-TZ 3/8" x 2" ANCHOR BOLT
WITH 2" EMBED. (SEE GEN. NOTE #5
ON 94-1) ANCHOR FRAME PER
9/94-2.

UPRIGHT POST

POST-INSTALLED
ANCHOR BOLT
3/8" x KWIK BOLT
TZ- EMBED 1 1/2"
MIN.

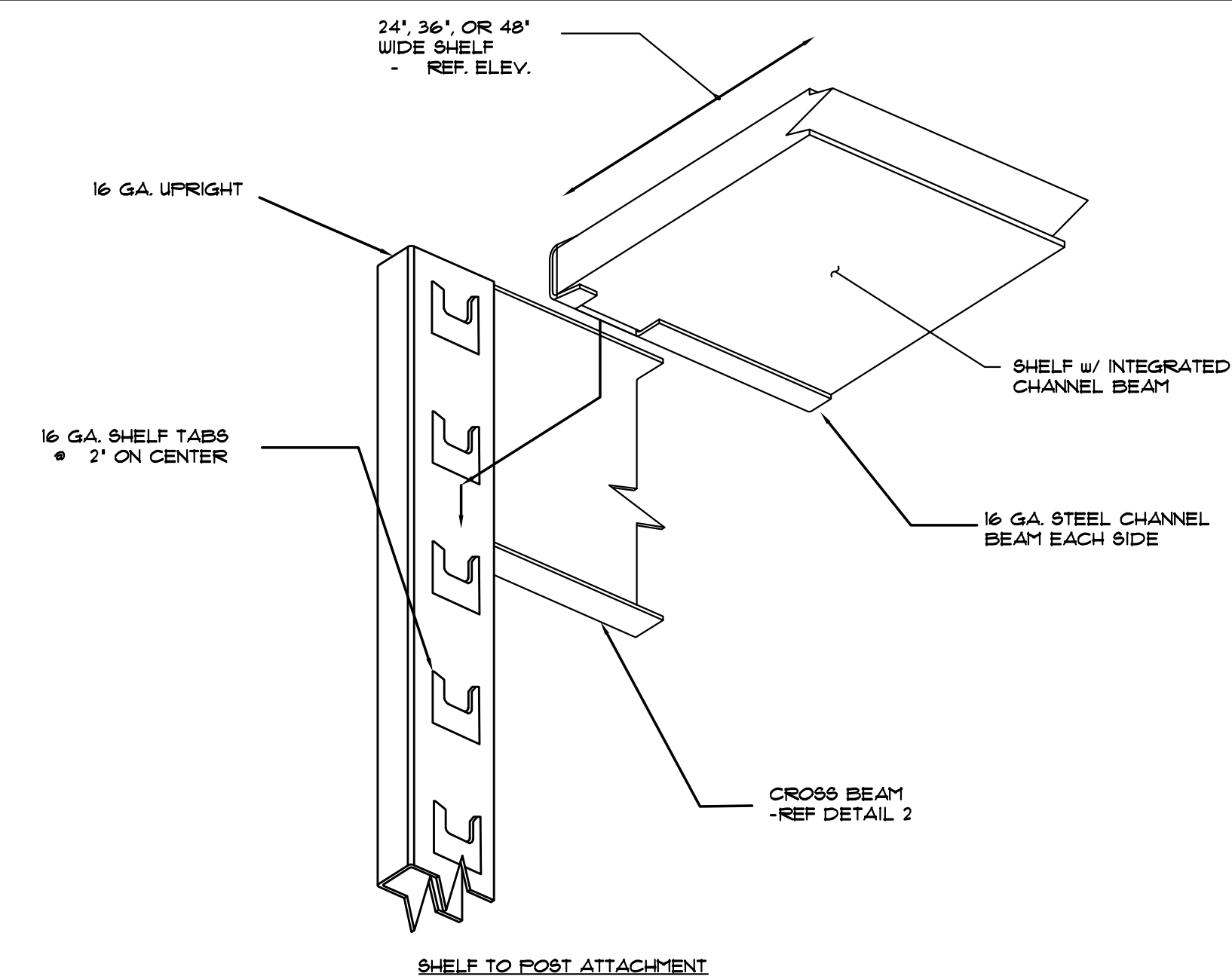
1/4" x 1" TEK
SCREW

12 GA. ANCHOR
PLATE.

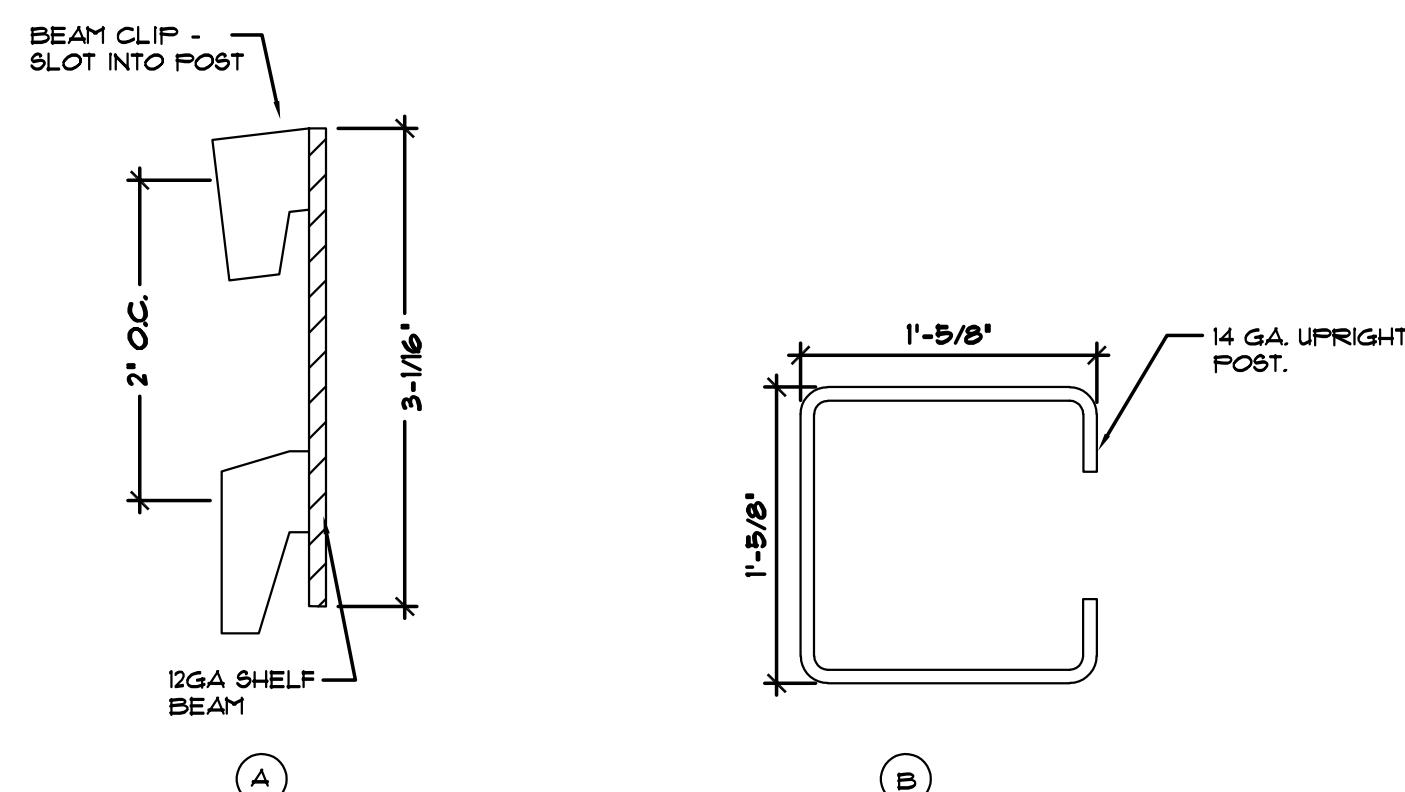
EXISTING 4" CONCRETE
SLAB- ON-GRADE

2"

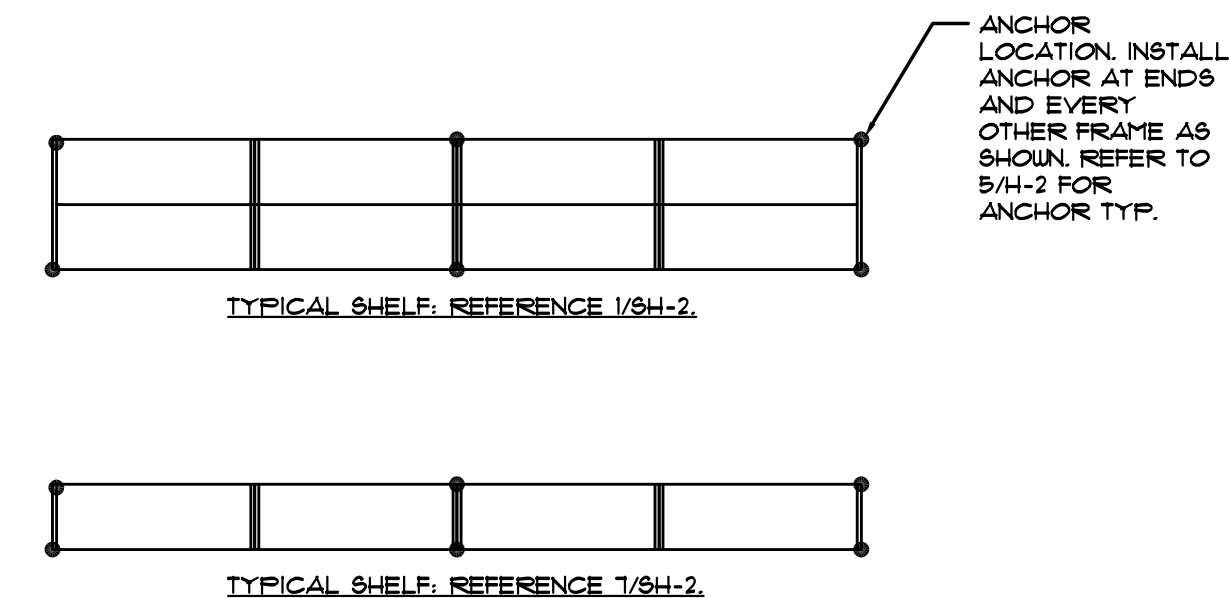
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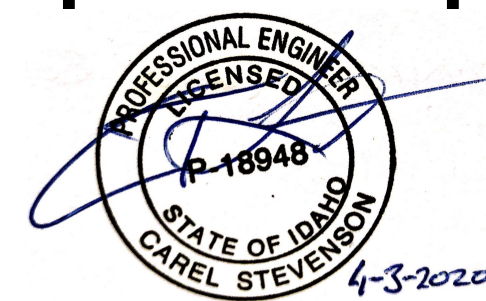


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⑨

DATE	<u>GROSS SQ. FT.</u>
03.26.20	16,035 S.F
PROJECT #	
<u>AAP-28855</u>	
<u>DRAWN BY:</u> LNC	
<u>CHECK BY:</u> EBC	
<u>VERSION Q3-19 83x83</u>	
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SH-2

ROOF TOP UNIT SCHEDULE (COORDINATE ORDERING AND DELIVERY WITH THE LENNOX NATIONAL ACCOUNT REPRESENTATIVE. REFER TO SHEET T1 FOR CONTACT DATA.)																			
MARK	LENNOX MODEL *	NOM. TONS	SUPPLY FAN			VOLTS / PHASE	GAS HEATING MBH	COOLING DATA				MCA	MOCP	EER / IEER	WEIGHT (LBS.)	ACCESSORIES / NOTES			
			HP	CFM	ESP			TOTAL	SENSIBLE	AMB.	DB						WB		
RTU-1	LGH102144B	8.5	2.0	3,400	0.6	208 / 3	240.0	192.0	103.8	18.8	95	80	61	38	45	12.2 / 12.9	1246	12,3,4,5,6,7,8,9,10,11	
RTU-2	LGH102144B	8.5	2.0	3,400	0.6	208 / 3	240.0	192.0	103.8	18.8	95	80	61	38	45	12.2 / 12.9	1246	12,3,4,5,6,7,8,9,10,11	
ACCESSORIES / NOTES:																			
1. FACTORY INSTALLED ECONOMIZER.										MCA - MINIMUM CIRCUIT AMPS									
2. FACTORY INSTALLED BAROMETRIC RELIEF.										MOCP - MAXIMUM OVERCURRENT PROTECTION									
3. FACTORY INSTALLED POWER DISCONNECT SWITCH.										* - APPROX. WEIGHT INCLUDES ACCESSORIES (CURB, ECONOMIZER, ETC.)									
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 24" 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 THROUGHWAY FILTERS.																			

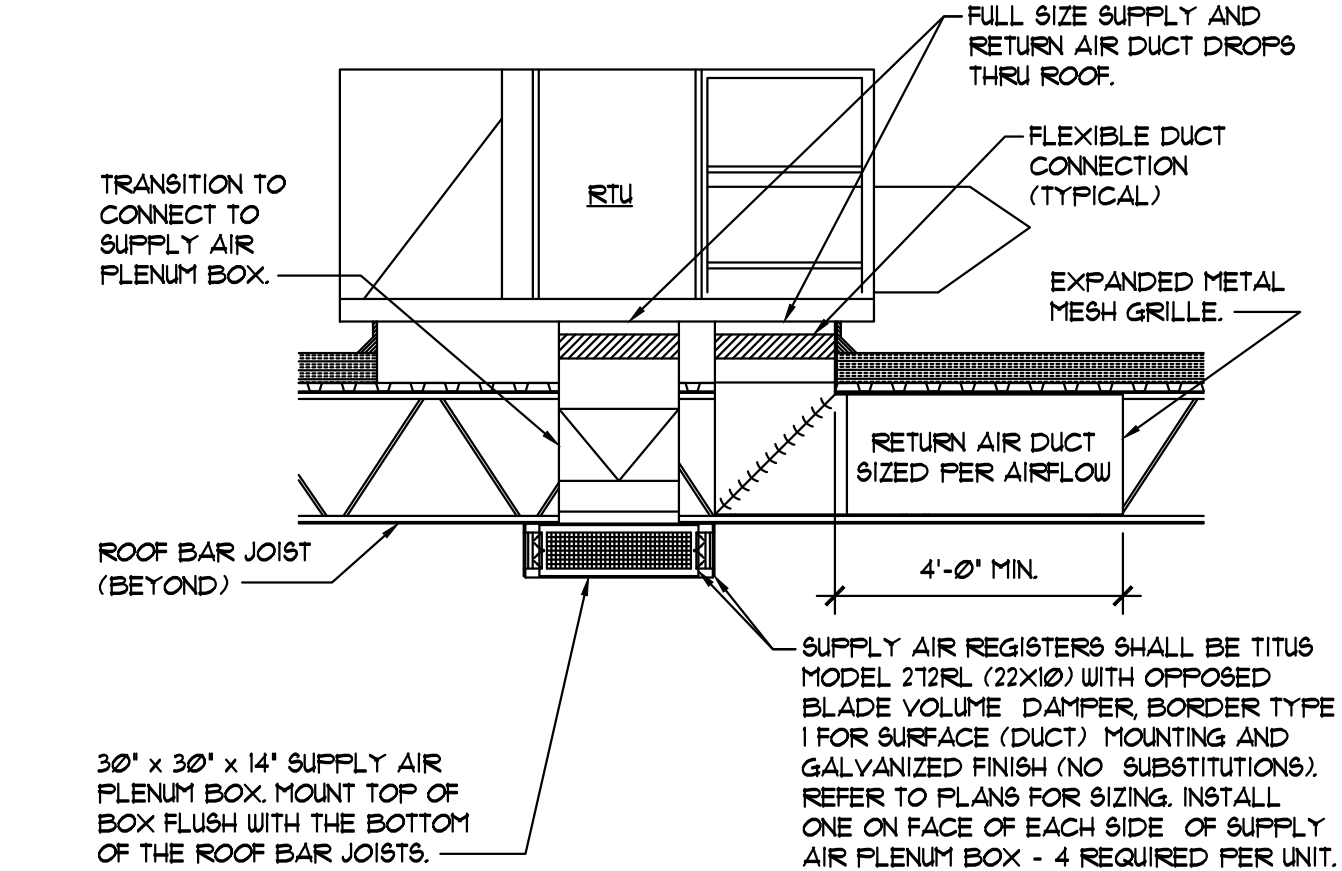
ROOF TOP UNIT SCHEDULE (COORDINATE ORDERING AND DELIVERY WITH THE CARRIER NATIONAL ACCOUNT REPRESENTATIVE. REFER TO SHEET T1 FOR CONTACT DATA.) (ALTERNATE)																			
MARK	CARRIER MODEL *	NOM TONS	SUPPLY FAN			VOLTS/PHASE	GAS HEATING MBH		COOLING DATA					MCA	MOCP	EER	WEIGHT (LBS.)	ACCESSORIES/NOTES	
			HP	CFM	ESP		INPUT	OUTPUT	TOTAL	SENSIBLE	AMB	DB	WB						
RTU-1	48HCA09	8.5	2.0	3,400	0.6	208/3	224.0	184.0	103.6	81.0	95	80	61	39	50	12.0	988	12,3,4,5,6,7,8,9,10,11	
RTU-2	48HCA09	8.5	2.0	3,400	0.6	208/3	224.0	184.0	103.6	81.0	95	80	61	39	50	12.0	988	12,3,4,5,6,7,8,9,10,11	
ACCESSORIES / NOTES:																			
1. FACTORY INSTALLED ECONOMIZER.										MCA - MINIMUM CIRCUIT AMPS									
2. FACTORY INSTALLED BAROMETRIC RELIEF.										MOCP - MAXIMUM OVERCURRENT PROTECTION									
3. FACTORY INSTALLED POWER DISCONNECT SWITCH.										* - APPROX. WEIGHT INCLUDES ACCESSORIES (CURB, ECONOMIZER, ETC.)									
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 24" 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 THROUGHWAY FILTERS.																			

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	WEIGHT (LB.)	ACCESSORIES / NOTES
EF-1	COOK GC 142	80	25	1.1	1000	120 / 1	59 W	59 W	12
EF-2	COOK GC 142	80	25	1.1	1000	120 / 1	59 W	59 W	12
ACCESSORIES / NOTES:									
1. FAN SHALL BE CONTROLLED BY THE TOILET ROOM LIGHT SWITCH. ALL WIRING IS BY THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS FOR CLARIFICATION.									
2. PROVIDE SCHEDULED FAN OR APPROVED EQUIVALENT. PROVIDE VENDOR DRAWINGS FOR APPROVAL.									

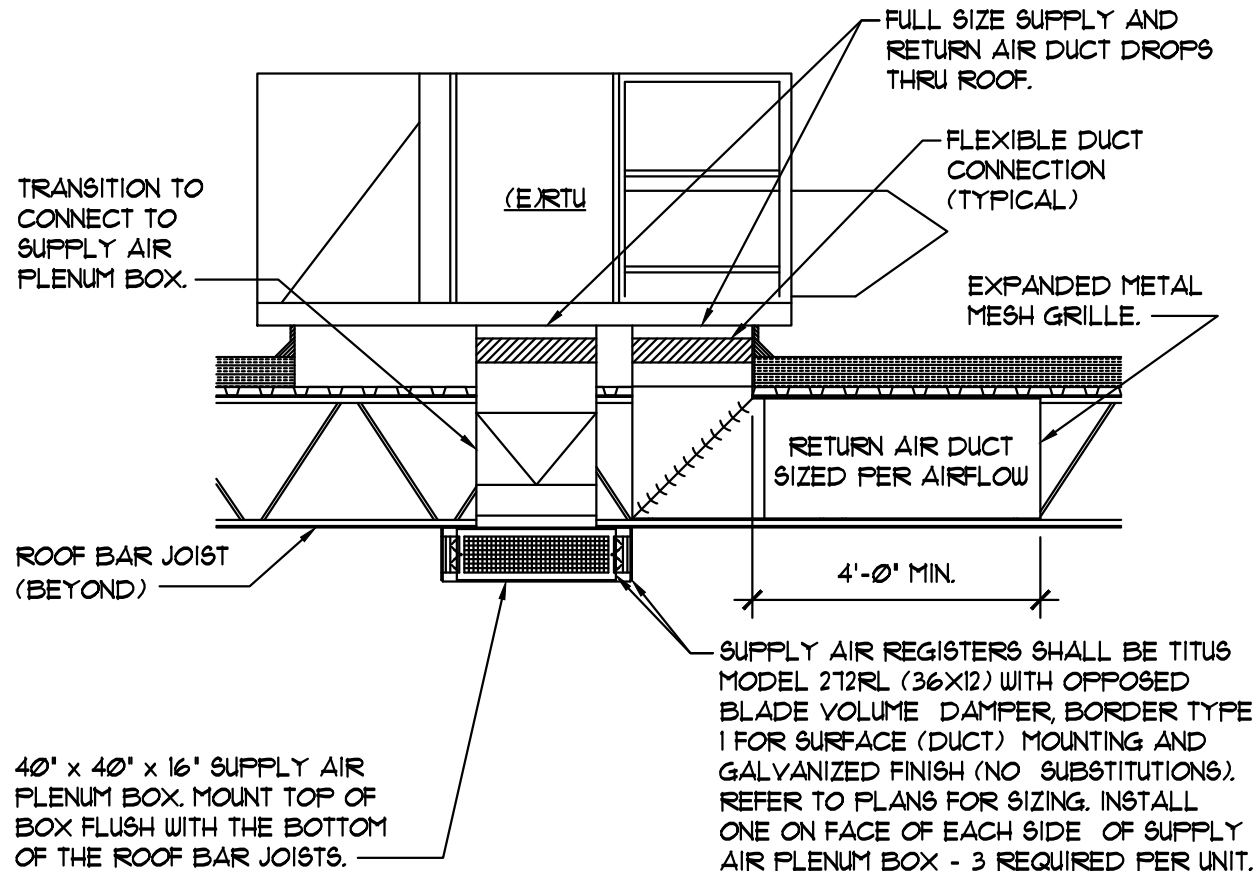
OUTSIDE AIR CALCULATIONS (BASED ON 2012 INTERNATIONAL MECHANICAL CODE)	
OUTSIDE AIR REQUIRED	
A. SQUARE FOOTAGES	
SALES, MERCHANDISE AREAS:	2,650 SF.
WAREHOUSE AREAS:	12,893 SF.
TOTAL FLOOR AREA (NET):	15,503 SF.
B. OUTSIDE AIR REQUIRED (SALES):	
60 SQFT / PERSON x 45 PEOPLE	
2,650 SQ FT X 0.12 CFM / SQ FT	318 CFM
45 PEOPLE X 15 CFM / PERSON	338 CFM
TOTAL OUTSIDE AIR CFM REQUIRED:	656 CFM
C. OUTSIDE AIR REQUIRED (WAREHOUSE):	
6 PEOPLE	
15,503 SQ FT X 0.06 CFM / SQ FT	931 CFM
TOTAL OUTSIDE AIR CFM REQUIRED:	1,587 CFM
OUTSIDE AIR PROVIDED	
(E)RTU	= 675 CFM
RTU-2	= 475 CFM
RTU-3	= 475 CFM
TOTAL O.A. PROVIDED	= 1,625 CFM

MECHANICAL SYMBOLS AND ABBREVIATIONS LEGEND			
AFF. AMB. BHP BTUH CL. FC CONTR. CFM DB DIA. DN. EA. EF ESP EXH. FIN. FL. FLA. HP MBH MFR N.L.C. N.T.S. O.A. OAI. RA. RFT1 RTU S.A. S.F. S.P. S.P. TYP. WB W.B. W.C.	ABOVE FINISHED FLOOR AMBIENT TEMPERATURE BRAKE HORSEPOWER BRITISH THERMAL UNITS PER HOUR CENTERLINE CONTRACTOR CUBIC FEET PER MINUTE DRY BULB TEMPERATURE EXHAUST FAN EXHAUST STATIC PRESSURE EXHAUST FINISHED FLOOR FULL LOAD AMPERES HORSEPOWER ONE THOUSAND (1000) BTUH MANUFACTURER NOT IN CONTRACT NOT TO SCALE OUTSIDE AIR INTAKE RETURN AIR RETURN AIR REVOLUTIONS PER MINUTE ROOF TOP UNIT SUPPLY AIR SQUARE FEET STATIC PRESSURE TOTAL STATIC PRESSURE TYPICAL WET BULB TEMPERATURE WATER COLUMN	--G---G-- ---D---D--- ---I---I--- [S] [D] [Z] + ① ② [CO2] O G N [RD] RD ⊕ EMS	GAS PIPING OF SIZE NOTED CONDENSATE DRAIN PIPING OF SIZE NOTED UNION DUCT MOUNTED SMOKE DETECTOR SUPPLY AIR DIFFUSER RETURN OR EXHAUST GRILLE VOLUME DAMPER (VD) THERMOSTAT REMOTE TEMPERATURE SENSOR CARBON DIOXIDE SENSOR PIPE RISER PIPE DROP SHUT OFF VALVE CHECK VALVE DUCT RISE OR DROP (R=RISE, D=DROP) POINT OF CONNECTION/ELEVATION/INVERT ENERGY MANAGEMENT SYSTEM
[X] [X] [XXX] [X] 20x12 20x12	AIR DEVICE TYPE AIR QUANTITY (CFM) EQUIPMENT TYPE EQUIPMENT MARK TURNING VANES - NUMBER OF VANES SHALL BE BASED ON ACTUAL DUCT SIZE AND NOT ON SCHEMATIC SYMBOLS ON DUG. DUCT SIZE DESIGNATION: SIZE IS FREE AREA ALLOWANCE FOR DUCT LINER THICKNESS WHERE SPECIFIED.		AIR DEVICE DESIGNATION EQUIPMENT DESIGNATION
◇ △ ⊠ ⊠ ⊠	KEYED NOTES ON DRAWING DRAWING REVISIONS DISCHARGE OR SUPPLY AIR DUCT RETURN OR EXHAUST AIR DUCT OUTSIDE AIR SUPPLY DUCT		
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).			

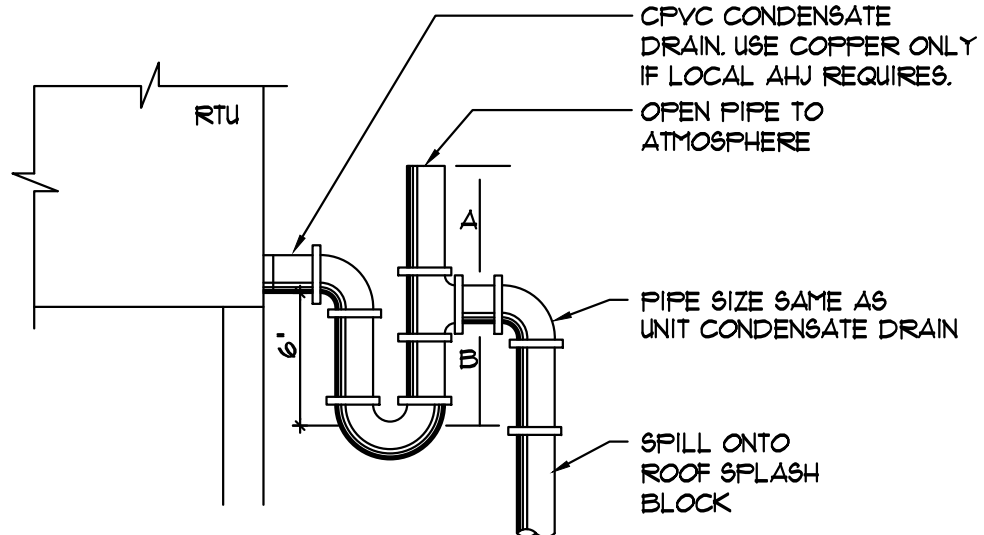
LENNOX / CARRIER RTU EQUIPMENT NOTES	
FOR COMPLETE INFORMATION/PRICING ON THE RTU & SPLIT SYSTEM EQUIPMENT PACKAGE, CONTACT THE ADVANCE AUTO PARTS ACCOUNT REPRESENTATIVE AT LENNOX/CARRIER NATIONAL ACCOUNTS. REFER TO SHEET T1 FOR CONTACT DATA.	
ANY CHANGES/VARIATIONS TO THE ORIGINAL RTU & SPLIT SYSTEM EQUIPMENT PACKAGE SHOULD BE BROUGHT TO THE ATTENTION OF THE ACCOUNT REPRESENTATIVE AT LENNOX/CARRIER NATIONAL ACCOUNTS AT THE TIME OF QUOTATION.	
THE RTU & SPLIT SYSTEM 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.	



NOTE:
AFTER THE LIGHTING IS INSTALLED, THE HVAC CONTRACTOR SHALL ADJUST THE HORIZONTAL AND/OR VERTICAL DEFLECTION OF THE AIR FLOW PATTERN FROM THE SUPPLY AIR REGISTERS AS REQUIRED TO AVOID LIGHT FIXTURE MOVEMENT AS A RESULT OF SUPPLY AIR FLOW. WHEN FINAL ADJUSTMENTS ARE COMPLETE, NO LIGHT FIXTURE SHALL EXPERIENCE MOVEMENT CAUSED BY THE AIRFLOW PATTERN FROM THE SUPPLY DIFFUSERS. IF AIR FLOW ADJUSTMENT DOES NOT ELIMINATE LIGHT FIXTURE MOVEMENT, COORDINATE WITH THE ELECTRICAL CONTRACTOR TO INSTALL BRACKETS AND ANTI-SWAY CABLES FOR THE AFFECTED LIGHT FIXTURE(S) TO ELIMINATE LIGHT FIXTURE MOVEMENT.
IN ADDITION TO LIGHTING, ADJUST THE HORIZONTAL AND/OR VERTICAL DEFLECTION OF THE AIR FLOW PATTERN FROM THE SUPPLY AIR REGISTERS AS REQUIRED TO WORK AROUND GRAPHICS.



NOTE:
AFTER THE LIGHTING IS INSTALLED, THE HVAC CONTRACTOR SHALL ADJUST THE HORIZONTAL AND/OR VERTICAL DEFLECTION OF THE AIR FLOW PATTERN FROM THE SUPPLY AIR REGISTERS AS REQUIRED TO AVOID LIGHT FIXTURE MOVEMENT AS A RESULT OF SUPPLY AIR FLOW. WHEN FINAL ADJUSTMENTS ARE COMPLETE, NO LIGHT FIXTURE SHALL EXPERIENCE MOVEMENT CAUSED BY THE AIRFLOW PATTERN FROM THE SUPPLY DIFFUSERS. IF AIR FLOW ADJUSTMENT DOES NOT ELIMINATE LIGHT FIXTURE MOVEMENT, COORDINATE WITH THE ELECTRICAL CONTRACTOR TO INSTALL BRACKETS AND ANTI-SWAY CABLES FOR THE AFFECTED LIGHT FIXTURE(S) TO ELIMINATE LIGHT FIXTURE MOVEMENT.
IN ADDITION TO LIGHTING, ADJUST THE HORIZONTAL AND/OR VERTICAL DEFLECTION OF THE AIR FLOW PATTERN FROM THE SUPPLY AIR REGISTERS AS REQUIRED TO WORK AROUND GRAPHICS.



A. STATIC PRESSURE IN PAN (INCHES)
B. 0.5 X STATIC PRESSURE IN PAN (INCHES)
NOTE:
ALL PIPES FULL SIZE OF UNIT OUTLET.

1 RTU-1 & RTU-2 DUCT INSTALLATION DETAIL
SCALE: NONE

2 (E)RTU DUCT INSTALLATION DETAIL
SCALE: NONE

3 RTU CONDENSATE DETAIL
SCALE: NONE

CORE STATES

GROUP

125 VALLEY RIVER ROAD

REXBURG, ID 83440

Advance Auto Parts

STORE #104223

REVISIONS		DESCRIPTION	REV	DATE

DATE	05.11.2020
PROJECT #	16,035 S.F.
PROJECT #	16,035 S.F.
DRAWN BY	MCB
CHECK BY	TMP

VERSION Q3-19 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.



MECHANICAL NOTES
AND SCHEDULES

M2

HVAC SPECIFICATIONS

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES AND ADVANCE AUTO PARTS 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 IN FULL ALL FEES IN THEIR BID. 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, AFFLIANCES, 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 BAG.
 - 14.3 DUCT INSULATION
 - 14.3.1 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 15 DEG. F MEAN, A DENSITY OF 15 LB./CF, BE SUITABLE FOR UP TO 2500 FPM AIR VELOCITY AND HAVE A MINIMUM 60 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 CERTAINTED "TOUGHGUARD 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 MANUFACTURERS ACCEPTABLE FOR BASE BID ARE TITUS, CARNES, PRICE, METAL-AIR OR KRIEGER.
 - 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 1 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 ISO 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 THIS PROJECT, THE CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE.
 - 16.1.3 WORK NOT INCLUDED - POWER WIRING, INCLUDING FINAL CONNECTIONS, IS BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL MOTORS AND FURNISH THE STARTING EQUIPMENT TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONTROL/EMS WIRING AND RELATED CONDUIT AND J-BOXES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL SENSORS, INTERLOCKS, ETC. SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR TO ORDER THERMOSTATS FROM TELETROL 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 MAXIMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESSIBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER IS GREATER.

16.3 DUCTWORK

- 16.3.1 LOW PRESSURE DUCTWORK AND FITTINGS SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS, TO MAKE TRANSITIONS, OR FOR ANY OTHER REASON.
- 16.3.2 INSTALL DUCTWORK AS HIGH AS POSSIBLE.
- 16.3.3 PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION.
- 16.3.4 PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.
- 16.3.5 NOTE: DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PREFABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

16.4 DUCT INSULATION

- 16.4.1 ALL DUCTWORK DESIGNATED TO RECEIVE DUCT LINER SHALL BE COMPLETELY COVERED WITH DUCT TRANSVERSE 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 TRANSVERSE 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 PENETRATION AND SEALING REQUIREMENTS PRIOR TO BID.
- 16.5.3 THE CONTRACTOR SHALL PROVIDE A TEMPORARY FLY-WOOD 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 AAP 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. PILLLOW 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 11 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 TELETROL 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 VAC CONVENTIONAL THERMOSTAT WIRING INTERFACE CONSISTING OF A MINIMUM OF R, G, Y1, T2, W1 AND W2 CONTROL WIRING FOR EACH RTU.

- 21.3 MECHANICAL CONTRACTOR SHALL ORDER TELETROL THERMOSTATS, NO SUBSTITUTIONS ALLOWED. MECHANICAL CONTRACTOR WILL INSTALL THERMOSTATS AND ALL 18/8 WIRING FOR EACH RTU. THERMOSTAT ORDERS CAN BE PLACED BY CALLING TELETROL SALES OPERATIONS AT 603-206-9789.
- 21.4 MECHANICAL CONTRACTOR SHALL HAVE ALL HVAC SYSTEMS INSTALLED AND OPERATIONAL PRIOR TO TELETROL NATIONAL ACCOUNTS REMOTE SYSTEM INSTALLATION AND TESTING, INCLUDING ALL TEST & BALANCE PROCEDURES AND ALL COOLING/HEATING STAGES.

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 TOOLS 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 WWP-F-401. JOINTS SHALL BE MADE WITH DOUBLE SEAL COMPRESSION-TYPE GASKETS EQUAL TO 1/2" SEAL.
 - 13.1.2 ABOVE FLOOR - HUBLESS CAST IRON PIPE AND FITTINGS COATED INSIDE AND OUT, CIP1-301. 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 F871, CSA B135, NSF 61 AND ASTM B84. TUBING SHALL HAVE A STANDARD DIMENSIONAL RATION DESIGNATION (SDRS) WITH 100PSI AT 180 DEG F / 160 PSI AT 13 DEG F PRESSURE/TEMPERATURE RATING. TUBING SHALL HAVE PEX50000 CHLORINE RESISTANCE. TUBING SHALL HAVE A 60 DAY MINIMUM UV RATING.
 - 13.2.2 FITTINGS FOR PEX TUBING SHALL CONFORM TO ASTM F1807 (OR ASTM F2189) AND ASTM F871 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 B71, CSA B135, 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, STAINLESS STEEL TRIM. TESTED TO 150 PSI. 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 A216, TYPE 316. VALVE BODY SHALL BE BRASS ASTM B724 ALLOY C31200 OR BRONZE ASTM B584 ALLOY C8440. ACCEPTABLE MANUFACTURERS FOR BASE BID SHALL INCLUDE NIBCO, WATTS, AND APOLLO.

13.4 PIPING INSULATION:

- 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 OUBENS-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 ELASTOMERIC 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 60000 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 A 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-W4201. ACCEPTABLE MANUFACTURERS SHALL INCLUDE SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WADE, JOSAM, AND JR. 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-58 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.
- 14.2 PIPING SHALL BE SUPPORTED SECURELY FROM HANGERS PER THE FOLLOWING:
 - 14.2.1 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.
 - 14.2.2 WHERE REQUIRED THE CONTRACTOR SHALL PROVIDE AUXILIARY STEEL FRAMING AS REQUIRED TO SUPPORT PIPE HANGERS.
 - 14.2.3 DRAIN, WASTE AND VENT PIPING:
 - 14.2.3.1 CAST IRON PIPE MUST HAVE HANGERS THAT ARE 10'-0" ON CENTER MAXIMUM WITH A MINIMUM ONE HANGER FOR EACH SECTION OF PIPE AND AT ALL CHANGES IN DIRECTION.
 - 14.2.3.2 PVC PIPE SHALL BE SUPPORTED FROM THE STRUCTURE PER THE GOVERNING CODES WITH A MINIMUM OF ONE HANGER FOR EACH SECTION OF PIPE AND AT ALL CHANGES IN DIRECTION.
 - 14.2.3.3 EACH RISER OR STACK SHALL BE SUPPORTED AT THE BASE, TOP AND AT 10' MAXIMUM INTERVALS.
 - 14.2.3.4 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 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.

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.

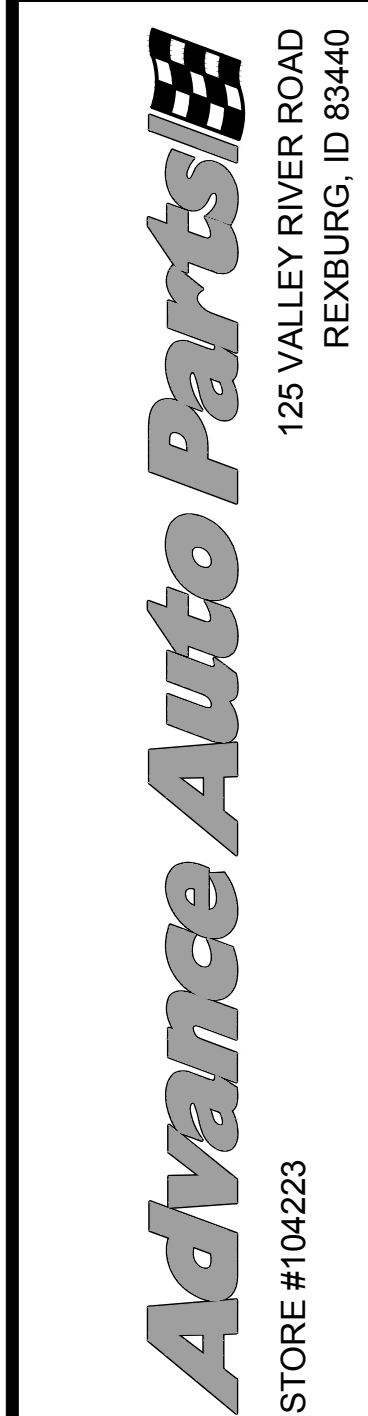
- ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY AAP. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AS SPECIFIED HEREIN.

- 17.1.1 DEFECTS IN EQUIPMENT AND/OR MATERIALS
 - 17.1.1.1 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 11 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.

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

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



REV		DATE	DESCRIPTION

DATE	05.11.2020
REVISIONS	16,035 S.F.

PROJECT	16,035 S.F.
DRAWN BY	MCB

CHECKED BY	TMP
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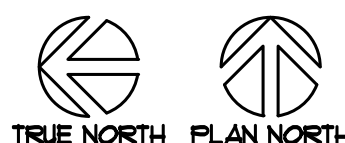
VERSION	03-19 83x83
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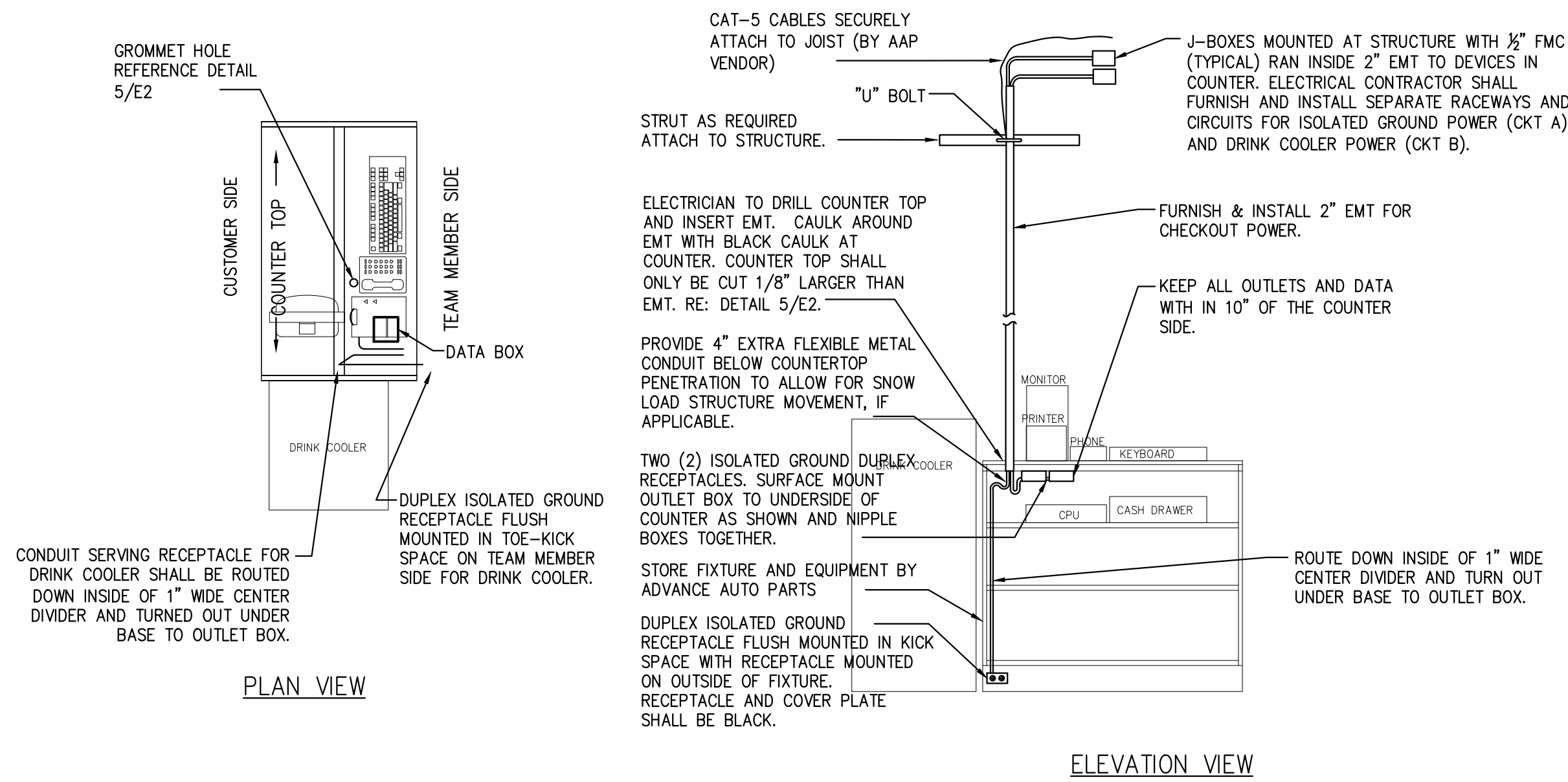


HVAC / PLBG. SPECIFICATIONS

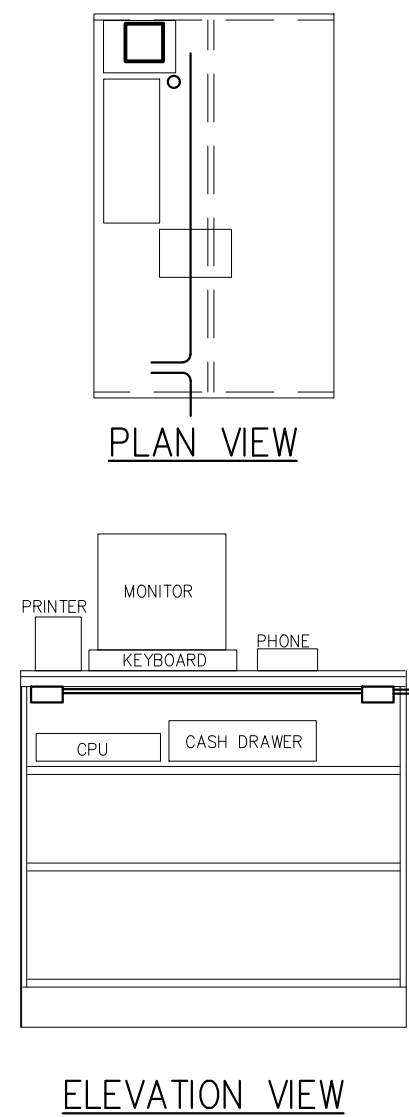
MP1



P1



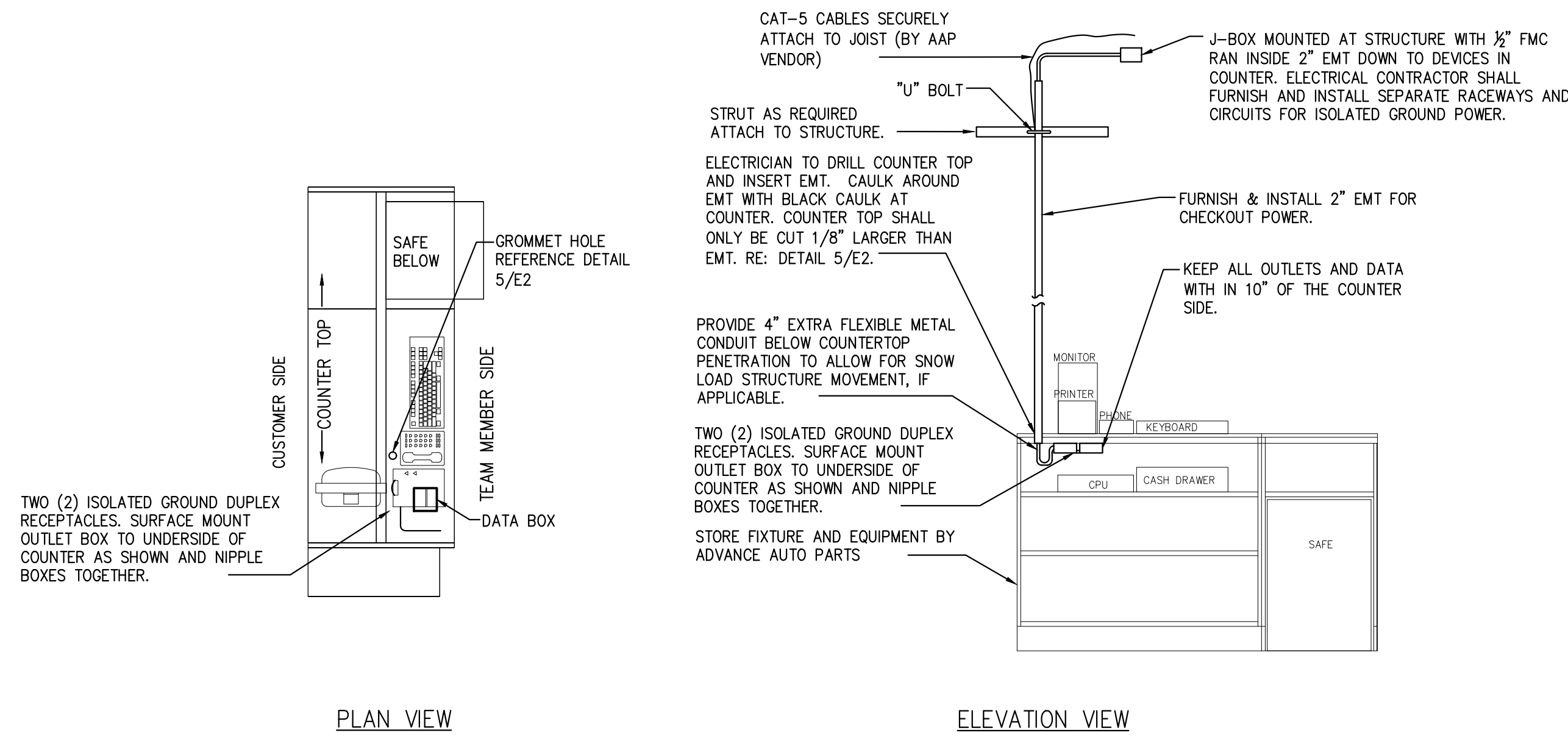
1 PARTS COUNTER #1 – PLAN AND ELEVATION
E2 SCALE: 1/2" = 1'-0"



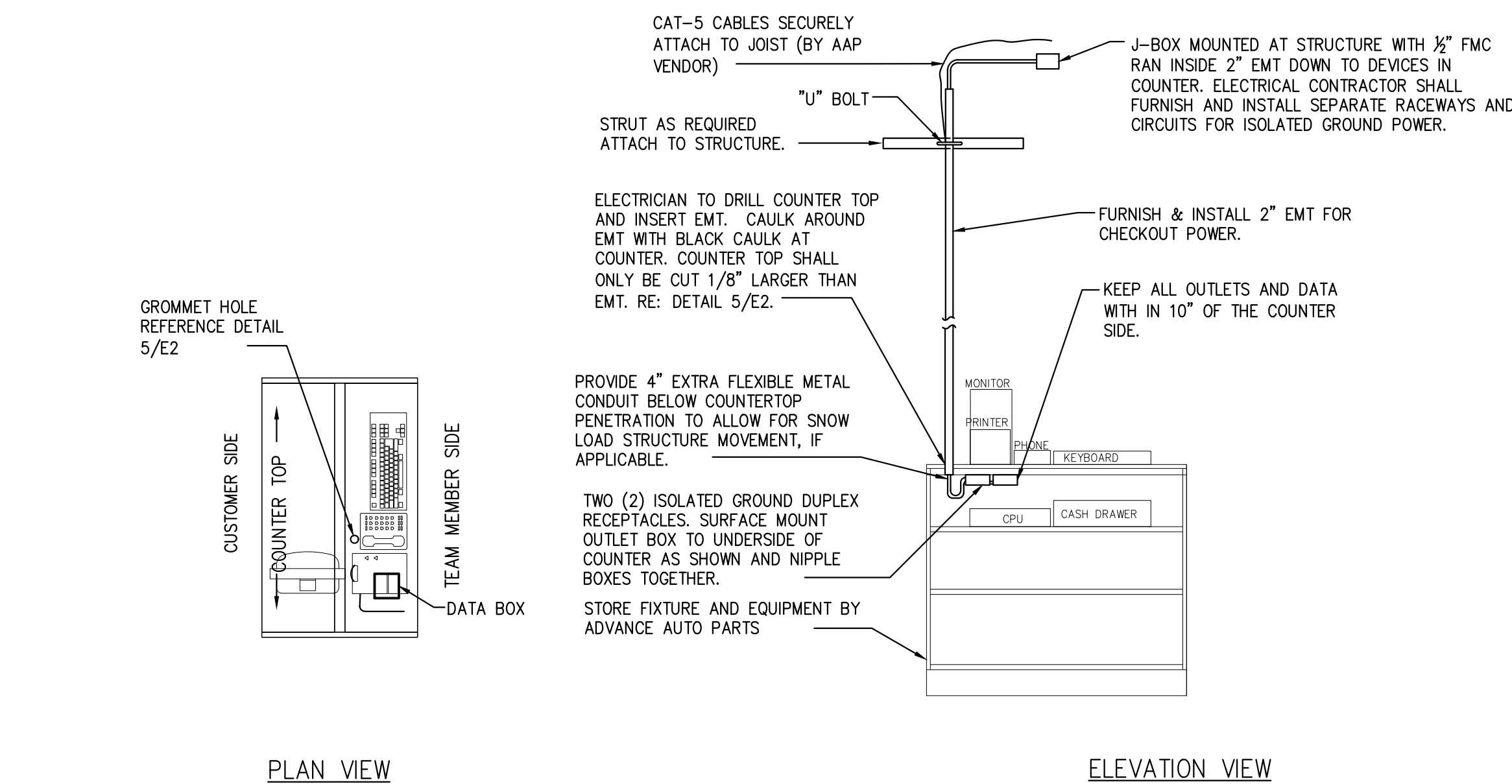
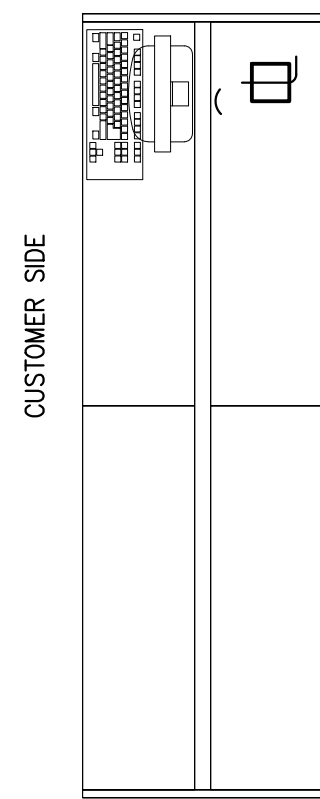
FIELD VERIFY QUANTITY, EXACT LOCATION AND CONFIGURATION OF COMMERCIAL COUNTER(S) WITH AAP MERCHANDISE TEAM OR AAP CONSTRUCTION PROJECT MANAGER. REFER TO TYPICAL NOTES IN PLAN VIEW AND ELEVATION OF THIS DETAIL FOR MORE INFORMATION.

4' COMPONENT

PROVIDE CAT. 5 CABLE FROM EMS PANEL TO ROUTER/STORE HUB. COORDINATE EXACT LOCATION OF ROUTER/STORE HUB WITH OWNER.



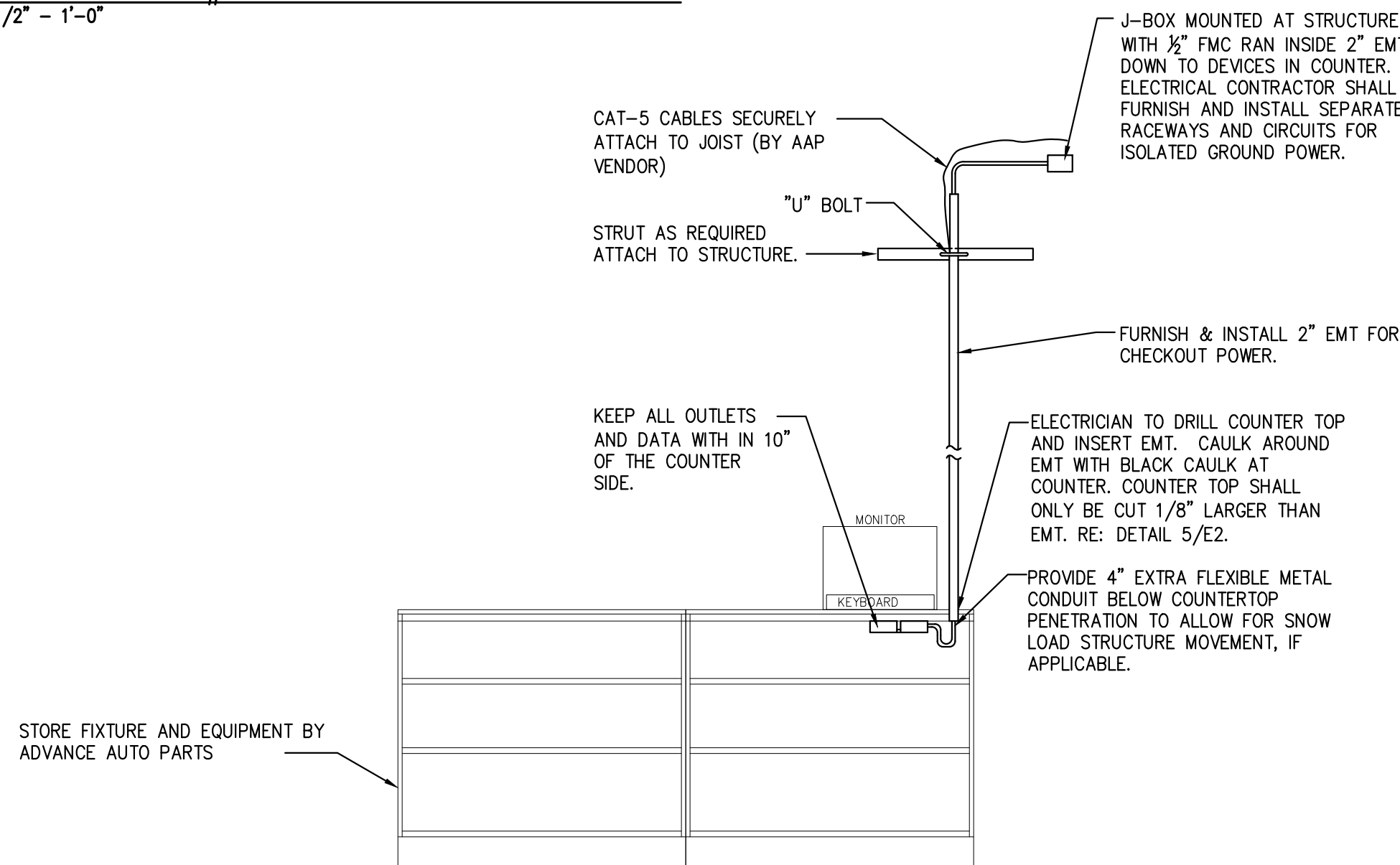
2 PARTS COUNTER #2 – PLAN AND ELEVATION
E2 SCALE: 1/2" = 1'-0"



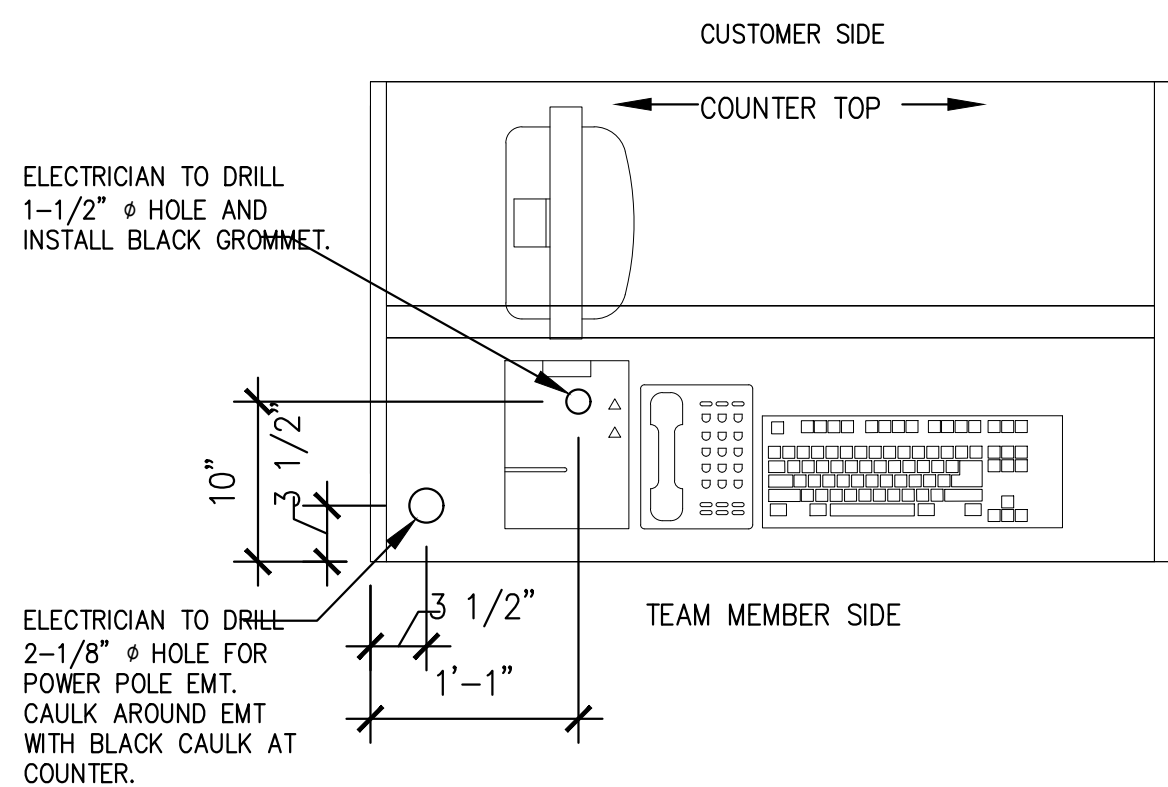
3 PARTS COUNTER #3 – PLAN AND ELEVATION
E2 SCALE: 1/2" = 1'-0"

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

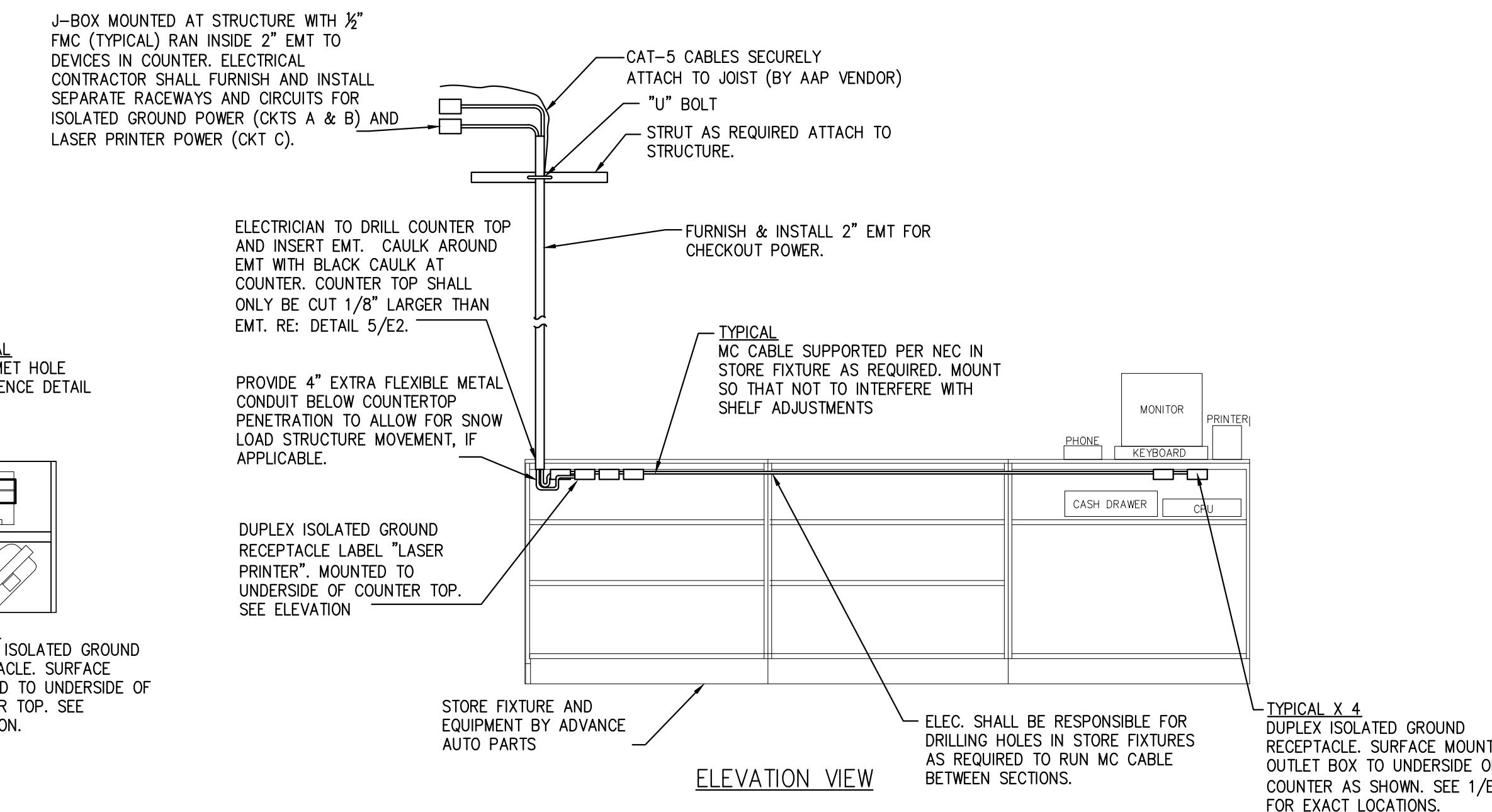
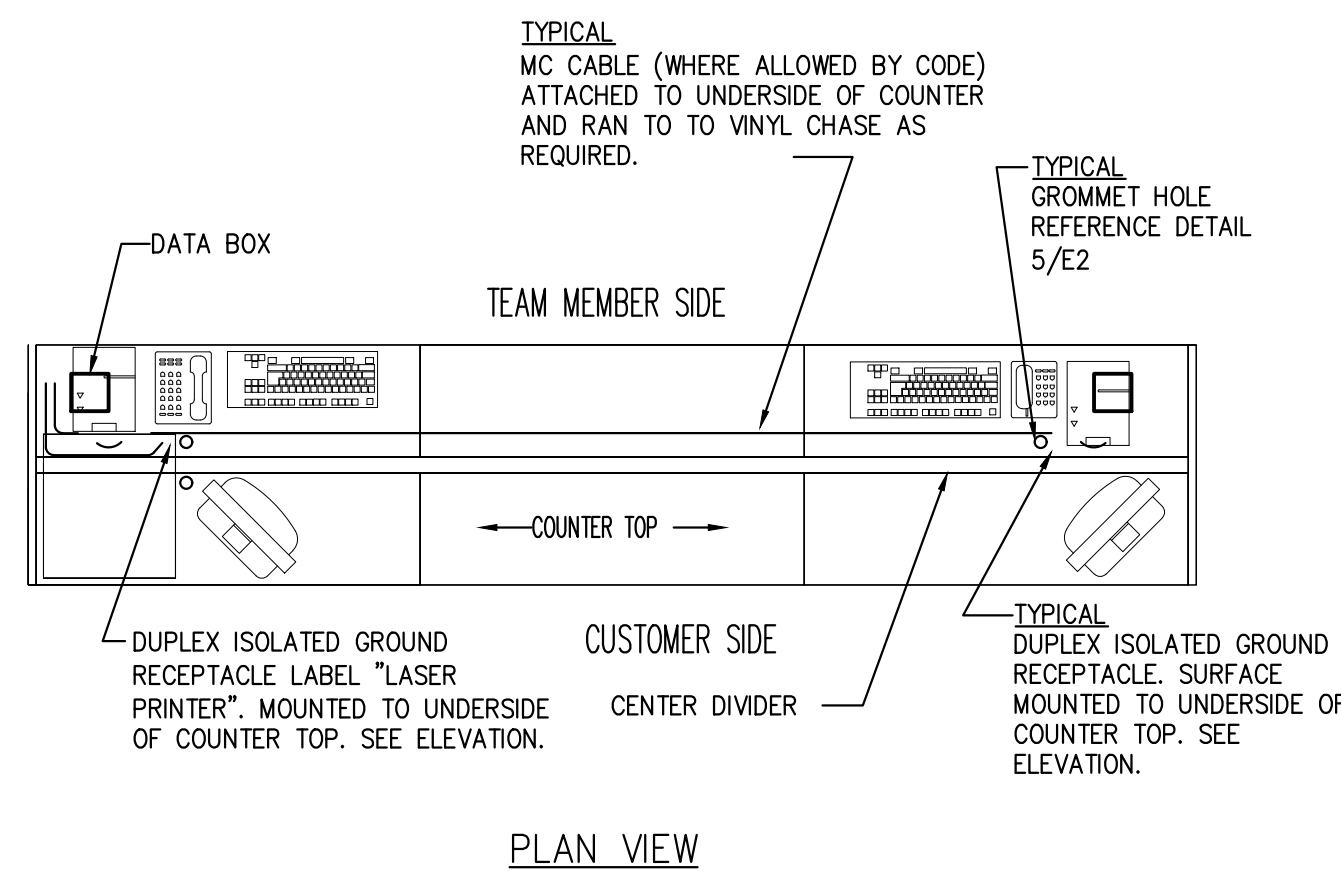
PLAN VIEW



4 PARTS COUNTER #4 – PLAN AND ELEVATION
E2 SCALE: 1/2" = 1'-0"



5 TYPICAL COUNTER PENETRATION LOCATIONS DETAIL
E2 SCALE: 1" = 1'-0"



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

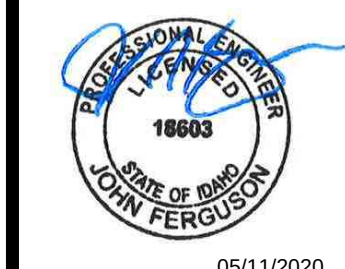
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CROSS SQ. FT.	16,035 S.F.

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VERSION Q3-19 83x83

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ENLARGED
COUNTER
DETAILS

E2

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 UNOBTUSIVELY 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.

PANELBOARD: A (EXISTING)

BUS AMPS: 400A MAIN SIZE/TYPE: 400A MCB VOLTS/PHASE: 208Y/120V, 3PH, 4W SERVES: BLDG LOCATION: RECEIVING											
FAULT CURRENT: REFER TO ONE-LINE DIAGRAM AIC RATING: 14000 FULLY RATED											
EQUIPMENT GROUND BUS ISOLATED GROUND BUS											
MOUNTING: SURFACE											
CKT NO	DESCRIPTION	VA/PHASE A B C	WIRE NO NO AMP	BKR P NO AMP	WIRE NO NO AMP	VA/PHASE A B C	DESCRIPTION	CKT NO			
1	SALES LIGHTS	832	12 20 1	1 20 12	540		BREAKROOM	2			
3	SALES LIGHTS	1,088	12 20 1	1 20 12	1,536		NIGHT LIGHTS	4			
5	SALES LIGHTS	1,472	12 20 1	1 20 12		360	REC - RESTROOMS	6			
7	SALES LIGHTS	1,280	12 20 1	1 20 12	360		REC - RTUS	8			
9	SALES LIGHTS	1,088	12 20 1	1 20 12	100		DUCT DETECTORS	10			
11	SALES LIGHTS	1,344	12 20 1			4,320		12			
13	REC - HYDRAULIC BENCH	360	12 20 1	3 45 8	4,320		RTU-1	14			
15	SALES EM LIGHTS	340	12 20 1		4,320			16			
17	REC - HYDRAULIC BENCH	360	12 20 1			2,000		18			
19		4,320		3 25 -	2,000		water heater	20			
21	RTU-2	4,320	8 45 3		2,000			22			
23		4,320		1 20 12		1,000	EXTERIOR SIGN	24			
25	SECURITY CAMERA	180	12 20 1	1 20 12	1,000		EXTERIOR SIGN	26			
27	spare		- 20 1 1	1 20 12		500	IRRIGATION CONTROLLER	28			
29	spare		- 20 1 1	1 20 12		200	CONTACTOR COILS	30			
31	TELEPHONE BACKBOARD	720	12 20 1	2 -			panel B (tied)	32			
33	REC - SHOW WINDOW	180	12 20 1		-			34			
35	REC - SHOW WINDOW	180	12 20 1	2 150 -			panel B (tied)	36			
37	REC - SHOW WINDOW	180	12 20 1		9,080			38			
39	REC - SHOW WINDOW	180	12 20 1	2 -	8,320		panel B (tied)	40			
41	spare		- 20 1 1		8,220			42			
SUBTOTAL		7,872	7,196	8,206		17,300	18,776	18,100	SUBTOTAL		
TOTAL PHASE A - VA		25,172	LOAD		CONN VA	DF	LOAD		CONN VA	DF	TOTAL DEMAND
AMPS		210	COOLING		40,920	1.00	REFRIGERATION			1.00	
TOTAL PHASE B - VA		23,972	HEATING		0		SIGN/DISPLAY			1.25	
AMPS		200	LIGHTING		11,510	1.25	KITCHEN			1.00	
TOTAL PHASE C - VA		24,306	RECEPTACLES		13,000	1.0/5	EXISTING			1.00	
AMPS		203	MOTORS			1.00	LARGE MOTOR			1.25	
TOTAL PNLBD - VA		73,450	SUPP HEAT			1.00	SHOW WINDOW		14,000	1.25	91,608 VA
AMPS		204	MISC EQUIP		7,300	1.00	LTG TRACK			1.00	

E-CIRCUIT IS EXISTING TO REMAIN

LO-FURNISH UL LISTED DEVICE TO LOCK BREAKER IN THE "ON" POSITION

C3-ROUTE CIRCUIT VIA 120V MASTER SWITCH CONTROLLED CONTACTOR

NOTE TO CONTRACTOR:

VERIFY ALL EXISTING EQUIPMENT AND CIRCUITRY. ADJUST CIRCUITS AS REQUIRED TO MAINTAIN EXISTING CIRCUITS.

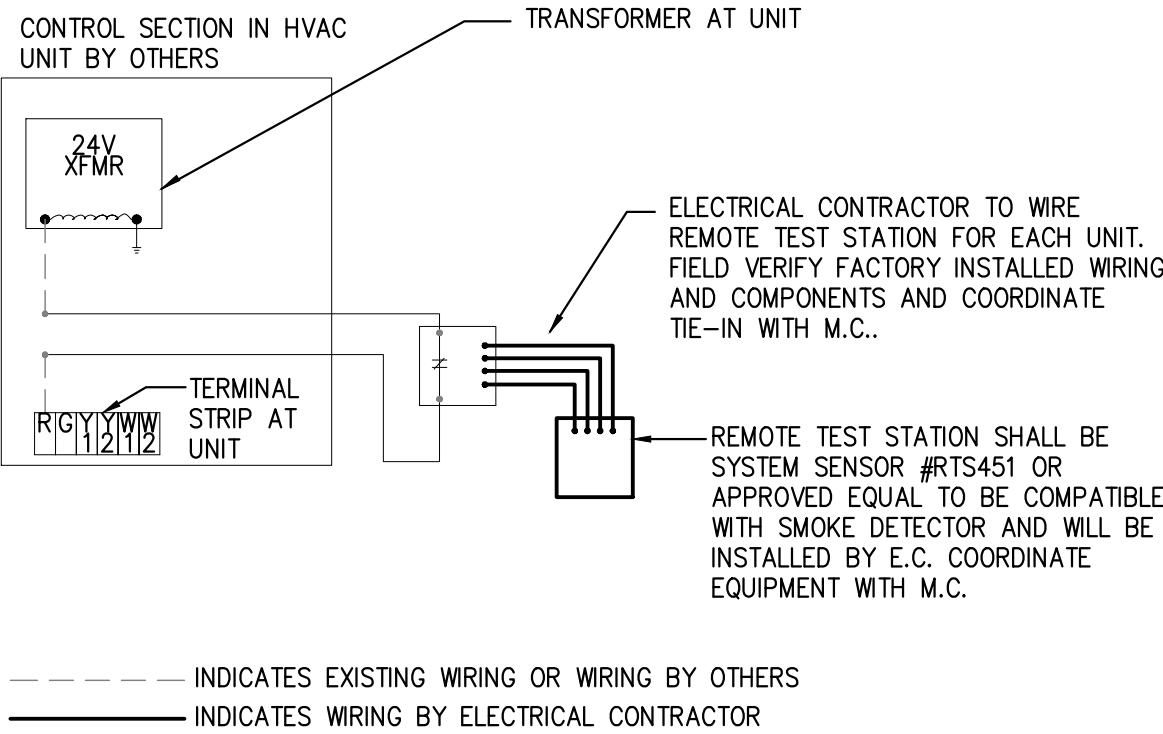
PANELBOARD: B (EXISTING)

BUS AMPS: 225A												FAULT CURRENT: REFER TO ONE-LINE DIAGRAM												EQUIPMENT GROUND BUS											
MAIN SIZE/TYPE: 200A MCB												AIC RATING: 14000 FULLY RATED												ISOLATED GROUND BUS											
VOLTS/PHASE: 208Y/120V, 3PH, 4W																																			
SERVES: BLDG																																			
LOCATION: RECEIVING												MOUNTING: SURFACE																							
CKT NO	DESCRIPTION			VA/PHASE			WIRE NO	BKR AMP	P	BKR AMP	WIRE NO	VA/PHASE			DESCRIPTION			CKT NO																	
	A	B	C									A	B	C																					
1	RECEPT - MANGR STATION			180			12	20	1	1	20	12	180			REC - DRINK COOLER	2																		
3	RECEPT - MANGR STATION IG				180		12	20	1	1	20	12		500		EMS PANEL	4																		
5	RECEPT - MANGR STATION IG					360	12	20	1	1					5,000			6																	
7	REC - COMPUTER IG			360			12	20	1	3	-	-	5,000			rtu (E)	8																		
9	REC - COMPUTER IG				360		12	20	1					5,000			10																		
11	REC - COMPUTER IG					360	12	20	1	1	20	12				REC - FLOOR CLEANER CHGR	12																		
13	REC - COMPUTER IG			360			12	20	1	1	20	12	180			REC - PHONE BOARD	14																		
15	REC - SAFE IG				180		12	20	1	1	20	12		180		RECEPT - MANGR STATION	16																		
17	REC - COMPUTER IG					360	12	20	1	1	20	12			400	REC - GREETER MONITOR	18																		
19	REC - COMPUTER IG			360			12	20	1	1	20	12	900			RECEPT - GENERAL	20																		
21	REC - BATTERY FAST CHGR				1,200		12	20	1	1	20	12		180		RECEPT - EXTERIOR	22																		
23	REC - ALT. STARTER TESTER					1,200	12	20	1	1	20	12			180	RECEPT - PRINTER	24																		
25	REC - BATTERY CHARGER			1,200			12	20	1	1	20	12	360			REC - WORKSTATION IG	26																		
27	REC - WORK BENCH				180		12	20	1	1	20	12		360		REC - WORKSTATION IG	28																		
29	REC - WALL					180	12	20	1	1	20	12			180	RECEPT - PRINTER	30																		
SUBTOTAL				2,460	2,100	2,460							6,620	6,220	5,760	SUBTOTAL																			
TOTAL PHASE A - VA				9,080	LOAD				CONN VA				DF																						
AMPS				76	COOLING				15,000				1.00				REFRIGERATION																		
TOTAL PHASE B - VA				8,320	HEATING				0				1.25				SIGN/DISPLAY																		
AMPS				69	LIGHTING				1.25				1.00				KITCHEN																		
TOTAL PHASE C - VA				8,220	RECEPTACLES				10,120				1.0/5				EXISTING																		
AMPS				69	MOTORS				1.00				1.25				TOTAL DEMAND																		
TOTAL PNLBD - VA				25,620	SUPP HEAT				1.00				1.25				25,560 VA																		
AMPS				71	MISC EQUIP				500				1.00				LTG TRACK																		
																	71 A																		

E-CIRCUIT IS EXISTING TO REMAIN

TENANT ELECTRICAL SERVICE LOAD SUMMARY

TENANT OCCUPANCY TYPE:	M	SERVICE DESCRIPTION:
TENANT SQUARE FOOTAGE:	15,552	208Y/120V, 3PH
LOAD DESCRIPTION	Connected KVA	Demand Factor
HVAC - SUMMER	55.92	100%
HVAC - WINTER	0.00	100%
LIGHTING (PER NEC-220)	11.51	125%
RECEPTACLES	23.12	100%/50%
MOTOR LOADS	-9.12	100%
LARGEST MOTOR LOAD	9.12	125%
MISCELLANEOUS EQUIPMENT	7.80	100%
SHOW WINDOW / TRACK LIGHTING	14.00	PER NEC
TOTAL LOAD	112.35	KVA
TOTAL AMPACITY	311.85	AMPS
SERVICE AMPACITY	400	AMPS
SPARE CAPACITY		AMPS



NOTES:

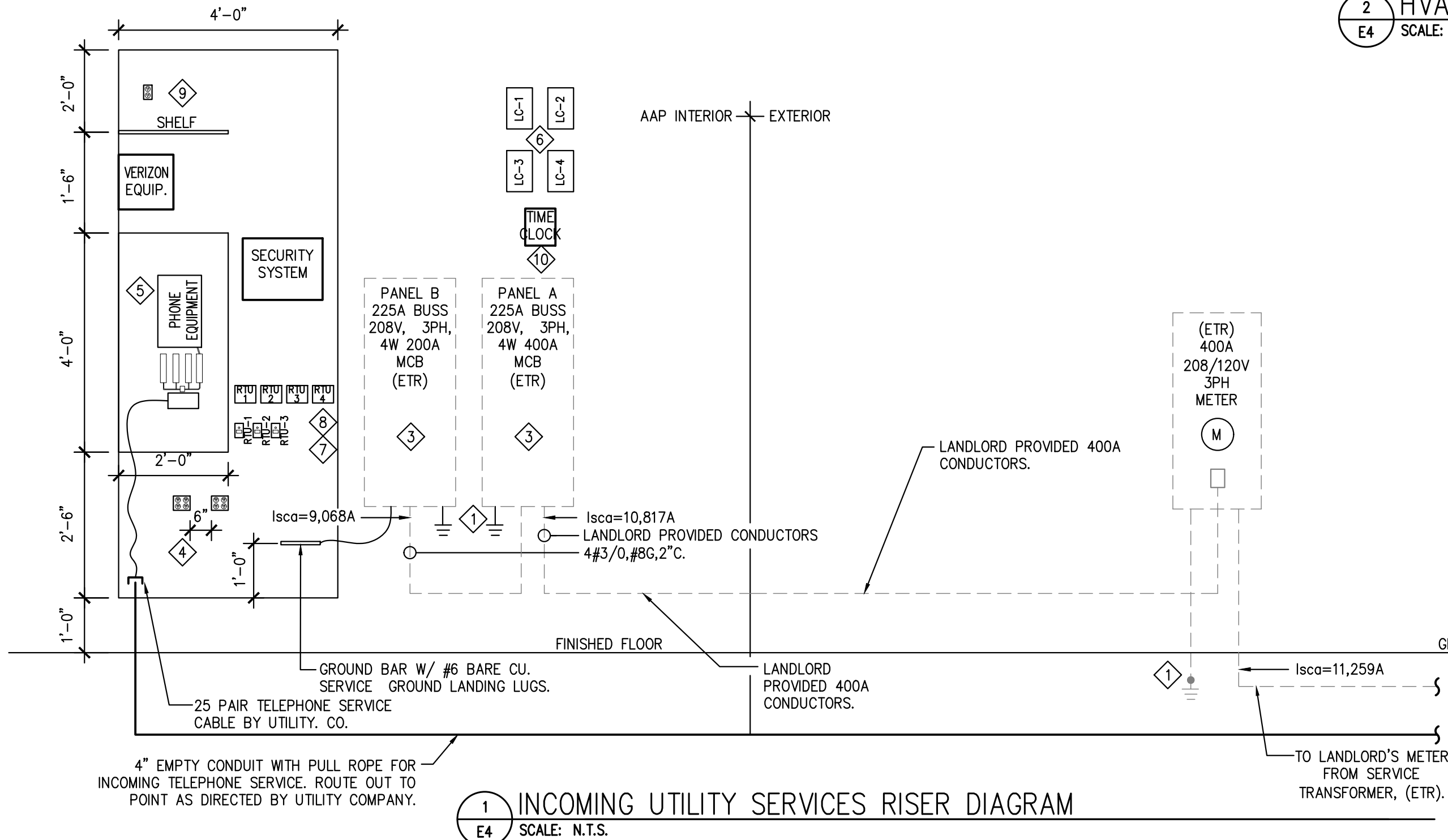
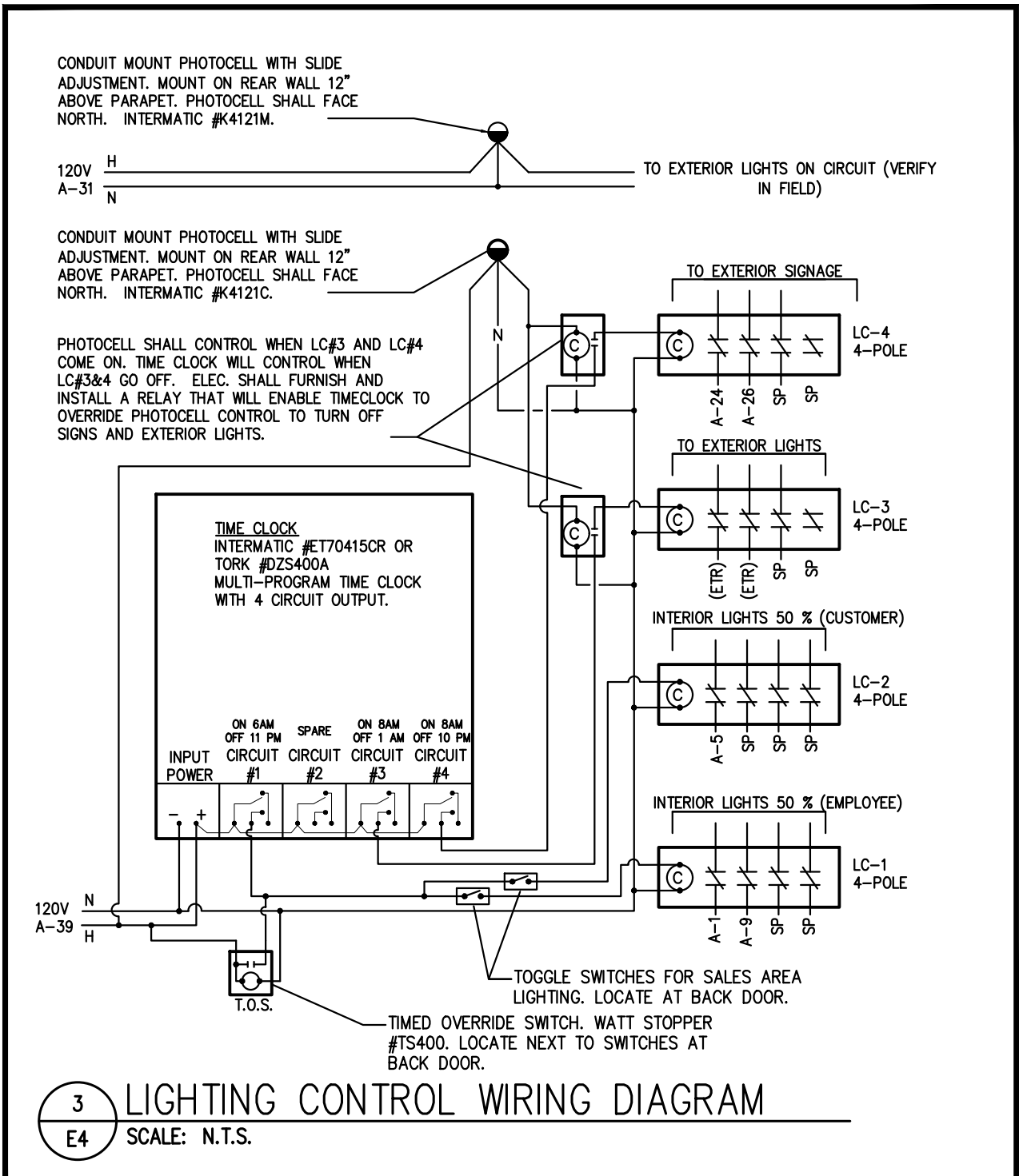
- A. DUCT DETECTOR SHALL BE FACTORY INSTALLED. TEST STATIONS, WIRING & CONNECTION BY E.C.
- B. REMOTE TEST STATION SHALL BE FURNISHED AND INSTALLED BY E.C., REFER TO SHEET E1 FOR MOUNTING INFORMATION.
- C. ALL EQUIPMENT & WIRING SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

2 HVAC CONTROL WIRING SCHEMATIC

E4 SCALE: NOT TO SCALE

KEYED NOTES

- GROUNDING ELECTRODE CONDUCTOR IS EXISTING. CONTRACTOR TO ENSURE EXISTING MEETS ALL LOCAL AND NATIONAL CODES.
- NOT USED.
- ELECTRIC PANELBOARD IS EXISTING TO REMAIN. CONTRACTOR TO REUSE EXISTING BREAKERS AND REPLACE AS REQUIRED. CONTRACTOR TO RENAME PANELS AS SHOWN. REFER TO PANEL SCHEDULES AND SPECIFICATIONS THIS SHEET.
- INSTALL QUADRAPLEX RECEPTACLES (FOR TELEPHONE/ SECURITY) 6" APART FOR TELEPHONE AND SECURITY EQUIPMENT. IT IS CRITICAL THAT THESE RECEPTACLES BE SEPARATE.
- 2'x4' BACKBOARD (30" MIN. ABOVE BOTTOM OF PHONEBOARD) WITH PHONE EQUIPMENT TO BE MOUNTED TO 4'x10' PHONEBOARD. LOCATE ON PHONEBOARD AS INDICATED.
- 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.
- DUCT SMOKE DETECTOR REMOTE TEST STATIONS. SUPPLIED AND INSTALLED BY E.C IF NEEDED FOR THE EXISTING RTU'S.
- CRS CONTROLLERS MOUNTED ON PHONE BOARD AT 4'-0" AFF IN NUMERICAL ORDER LEFT TO RIGHT WITH REMOTE SENSORS CONNECTED FOR TEMPORARY HVAC.
- INSTALL DUPLEX RECEPTACLE (FOR AUX EQUIPMENT).
- INTERMATIC #ET70415CR OR TORK #DZ5400A MULTI-PROGRAM TIME CLOCK WITH 4 CIRCUIT OUTPUT.



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