LYNWOOD RECREATION CENTER
ADA RESTROOMS RENOVATION
3360 OSBORNE RD NE
BROOKHAVEN, GA
JUNE, 2019

OWNER:
CITY OF BROOKHAVEN
PARKS AND RECREATIONAL DEPT.
3360 OSBORNE RD, NE
BROOKHAVEN, GA
404.637.0500

CONTACT: BRIAN BORDEN
EMAIL: BRIAN.BORDEN@BROOKHAVENGA.GOV

ARCHITECT:
ZANARDO ARCHITECTS, P.C.
3675 CRESTWOOD PARKWAY
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DULUTH, GA 30096
770.806.1031

CONTACT: SCOTT ZANARDO, AIA
EMAIL: SZANARDO@ZANARDOPC.COM

MECHANICAL & PLUMBING:
PURSUIT ENGINEERING
3103 MEDLOCK BRIDGE RD.
SUITE 200
NORCROSS, GA 30071
678.862.3978

CONTACT: CHASE PAYNE, PE
EMAIL: CHASE@PURSUITENGINEERING.COM

ELECTRICAL ENGINEER:
PURSUIT ENGINEERING
3103 MEDLOCK BRIDGE RD.
SUITE 200
NORCROSS, GA 30071
678.862.3978

CONTACT: JEFF HIRES, PE
EMAIL: JEFF@PURSUITENGINEERING.COM

BUILDING INFORMATION:

EXISTING CONSTRUCTION- IBC TYPE IB- CMU & CONCRETE CONSTRUCTION - NFPA II (222)
BUILDING IS NOT SPRINKLERED
SINGLE STORY - SINGLE TENANT BUILDING
MAIN BUILDING AND USE GYMNASIUM - ASSEMBLY OCCUPANCY
GYM 9,693 SF/50 SF = 194 OCCUPANTS
(PER 1004.1.2 ACTIVE GYM)
CLASSROOMS 4,083 SF/50 SF = 82 OCCUPANTS
OFFICES 1,138 SF/100 SF = 12 OCCUPANTS

COMMON PATH LIMIT	20/75'
DEAD END CORRO. LIMIT	20'
TRAVEL DISTANCE LIMIT	200'

OCCUPANCY LOAD:
TOTAL OCCUPANCY LOAD = 288 PERSONS

TOTAL EGREES CAPACITY
2 EXITS AT 64"/.2 P.P.= 640 OCCUPANTS > ACTUAL OCCUPANT LOAD 288.

PLUMBING INFORMATION:

Occupancy	W/C Male	W/C Female	Lavatory	Drinking fountain	Service Sink
Assembly A3	1/125	1/65	1/200	1/500	1
	1	2	2	1	1
Classroom	1/50	1/50	1/100	1/100	1
	1	1	2	Incl Above	Incl Above
Office	1/25	1/25	1/40	1/100	1
	1	1	1	Incl Above	Incl Above
Design	2 W/C, 2 Urinal	4 W/C	2 Lav Male 3 Lav Female	1	1
Family Room	1		1		
Total	5	4	6	1	1

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES:

- International Building Code (ICC): 2012 Edition with 2014, 2015, 2017, & 2018 Amendments
- National Electrical Code (NFPA): 2017 Edition
- International Fuel Gas Code (ICC): 2012 Edition with 2014 & 2015 Amendments
- International Mechanical Code (ICC): 2012 Edition with 2014 & 2015 Amendments
- International Plumbing Code (ICC): 2012 Edition with 2014 & 2015 Amendments AND IPC APPENDIX F
- International Residential Code for One & Two Family Dwellings (ICC): 2012 Edition with 2014, 2015, & 2018 Amendments and IRC APPENDIX F
- International Energy Conservation Code (ICC): 2009 Edition with Georgia Supplements and 2011 & 2012 Georgia Amendments

FIRE CODES:

- NFPA Codes and Standards: Current Edition (*)
- NFPA 101 Life Safety Code: 2012 Edition with 2013 State Amendments (*)
- International Fire Code (ICC): 2012 Edition with 2014 Amendments (*)

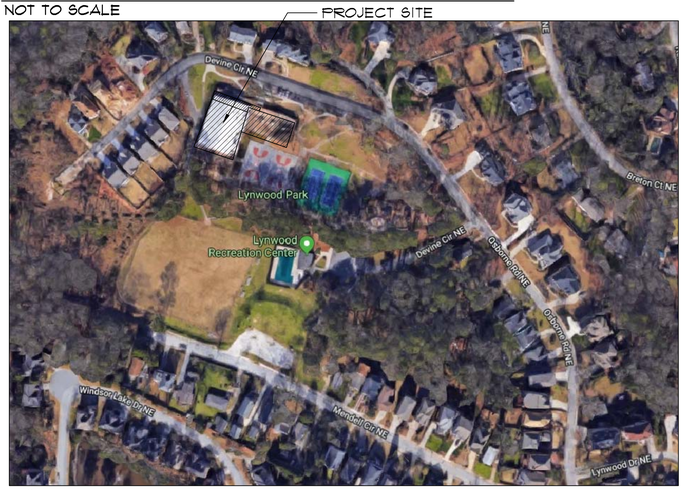
(* referenced codes are modified by the State Fire Marshal per Ch. 120-3-3 of Rules and Regulations of the Safety Fire Commissioner)

- O.C.G.A. Title 25 (State Fire Law)
- O.C.G.A. Title 30 (Access to and Use of Public Facilities by Persons with Disabilities)
- 2010 ADA Standards (Click here)

2. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH THE COMPLETE SET OF DOCUMENTS AND THE SITE PRIOR TO CONSTRUCTION.
3. IF DISCREPANCIES, OMISSIONS, OR ERRORS ARE FOUND IN THE DRAWINGS, THE CONTRACTOR WILL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OR THE MEANS OF CONSTRUCTION. THE CONTRACTOR WILL SUPERVISE AND DIRECT ALL WORK AND WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, TEMPORARY BRACING, AND SAFETY.
5. ALL WORKMANSHIP IS TO BE DONE BY SKILLED CRAFTSMEN TRAINED AND SKILLED IN THEIR TRADES. ALL SUBCONTRACTORS TO HAVE AT LEAST 5 YEARS OF PROVEN EXPERIENCE IN THEIR TRADES. ALL WORK TO BE DONE IN A FIRST CLASS MANNER.
6. ALL MATERIALS TO BE NEW AND IN FIRST CLASS CONDITION. ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND IN APPROPRIATE CONDITIONS.
7. JOB SITE TO BE KEPT IN A CLEAN MANNER AT ALL TIMES WITH ALL DEBRIS REMOVED IN A LEGAL MANNER AT THE COMPLETION OF THE PROJECT.
8. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED FOR THIS PROJECT INCLUDING LOCAL BUILDING AND FIRE. CONTRACTOR IS ALSO TO COORDINATE ALL INSPECTIONS WITH EACH AGENCY HAVING JURISDICTION.

LOCATION MAP:

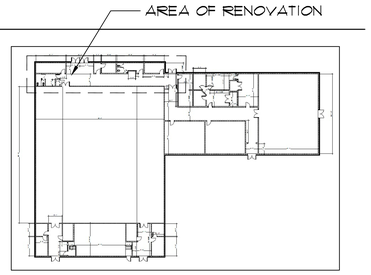
NOT TO SCALE



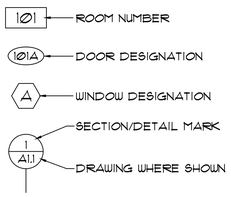
NORTH

KEY PLAN:

NOT TO SCALE

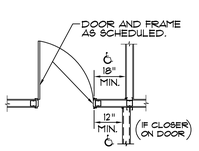


SYMBOLS:

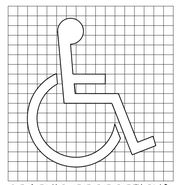


TYPICAL ACCESSIBLE DOOR DETAILS:

THE FOLLOWING SYMBOL OF ACCESSIBILITY, HAVING RAISED SYMBOLS AND WRITING WITH BRAILLE, SHALL BE DISPLAYED ON SIGNAGE AT ALL ACCESSIBLE RESTROOM DOORS AND MOUNTED AT 60" AFF. ON THE LATCH-SIDE OF DOORS.



ACCESSIBLE DOOR FRAME MINIMUM CLEARANCES TYPICAL FOR ALL DOORS



GRAPHIC PROPORTIONS

SCOPE OF WORK:

1. CONSTRUCTION OF NEW INTERIOR ADA RESTROOMS.
2. INTERIOR RENOVATION OF FRONT HALLWAY AREA.
3. INSTALLATION MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.

DRAWING INDEX:

		2/11/2019 FOR CONSTRUCTION
ARCHITECTURAL		
A0.1	COVER PAGE	●
A0.2	SPECIFICATIONS	●
A1.0	LIFE SAFETY PLAN & DEMO PLAN	●
A1.1	FLOOR PLAN & REFLECTED CEILING PLAN	●
A2.1	INTERIOR ELEVATIONS	●
A2.2	ROOM FINISH AND DOOR SCHEDULES	●
MECHANICAL		
M2.00	GENERAL NOTES, SCHEDULES, & PLAN	●
PLUMBING		
P2.00	NOTES, SCHEDULES, DETAILS, & PLANS - PLUMBING	●
ELECTRICAL		
E2.00	GENERAL NOTES & LEGEND	●
E2.10	ELECTRICAL FLOOR PLAN - POWER & LIGHTING	●

A SIGN CLEARLY STATING THAT SMOKING IS PROHIBITED SHALL BE CONSPICUOUSLY POSTED BY THE BUILDING OWNER, AGENT, OPERATOR, PERSON IN CHARGE OR PROPRIETOR AT EACH ENTRANCE OR IN A POSITION CLEARLY VISIBLE UPON ENTRY INTO THE BUILDING IN ACCORDANCE WITH GEORGIA SMOKEFREE AIR ACT OF 2005. ACCEPTABLE SIGNS SHALL DISPLAY EITHER "NO SMOKING" OR THE INTERNATIONAL "NO SMOKING" SYMBOL (CONSISTING OF A PICTORIAL REPRESENTATION OF A BURNING CIGARETTE ENCLOSED IN A RED CIRCLE WITH A RED BAR ACROSS IT).

STATE OF GEORGIA
SCOTT P. ZANARDO
REGISTERED ARCHITECT

ISSUE RECORD
issue | date
FOR CONSTRUCTION | 2/11/19

DRAWING REVISION
no. | date | revision

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3360 OSBORNE ROAD NE
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JUNE, 2019

ZANARDO ARCHITECTS, P.C.
295 CULVER STREET SOUTH
SUITE C
LAWRENCEVILLE, GA 30045
770.806.1031

date JUNE,2019
drawn NT
chckd SZ
proj# 2018-22

COVER SHEET

A0.1

Division 1 GENERAL

01 31 13 PROJECT COORDINATION

1. THIS SECTION SHALL NOT BE INTERPRETED TO RELIEVE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR SUPERVISION AND COORDINATION OF ALL CONSTRUCTION PROCEDURES.
2. PROVISIONS OF THIS SECTION ARE CONSIDERED MINIMAL FOR ORDERLY AND EXPEDITIOUS PROSECUTION OF CONSTRUCTION ACTIVITIES.
3. ORDERING PRODUCTS; BEFORE ORDERING MATERIALS, EQUIPMENT, OR CUSTOM OR STANDARD FABRICATED ITEMS, VERIFY THE FOLLOWING PROVISIONS:
   a. EACH ITEM COMPLIES WITH CONTRACT DOCUMENTS.
   b. EACH RELATES TO CONSTRUCTION ACTIVITIES ALREADY COMPLETED.
   c. SHOP DRAWINGS OR OTHER SUBMITTALS CONFIRM "A." AND "B." DIRECTLY ABOVE.
   d. ORDERS ARE PLACED AND DELIVERY DATES ARE ESTABLISHED ALLOWING ORDERLY EXECUTION OF CONSTRUCTION ACTIVITIES ON SCHEDULE AND NOT ALLOWING UNTIMELY DELIVERY OF CRITICALLY SENSITIVE PRODUCTS BEFORE PROJECT SITE CONDITIONS ARE SATISFACTORY TO RECEIVE THEM.
   e. ALL MATERIALS TO BE NEW AND IN FIRST CLASS CONDITION. ALL MATERIALS TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND IN APPROPRIATE CONDITIONS.
4. CONSTRUCTION ACTIVITIES COORDINATION:
   a. INITIATE COORDINATING PROCEDURES AT PROJECT MEETINGS BEFORE WORK IN FIELD BEGINS. RESOLVE SCHEDULING, SEQUENCING, INTERFERENCES, SPECIAL INSPECTIONS, AND PRIORITIES OF ONCOMING SIMULTANEOUS CONSTRUCTION ACTIVITIES AMONG INTERESTED ENTITIES TO ACHIEVE SPECIFIED RESULTS, AND TO ADVANCE PLANNED PROGRESS OF PROJECT.
   b. CONTINUE COORDINATING PROCEDURES BY ACTIVELY CONTROLLING PROJECT CONDITIONS AS FOLLOWS:
      I. VERIFY PRODUCTS OF SECTIONS ARE STORED IN ORDERLY FASHION UNDER CONDITIONS COMPLYING WITH MANUFACTURER'S INSTRUCTIONS OR SPECIFIC REQUIREMENTS OF RELEVANT SPECIFICATION SECTION WHICHEVER REQUIREMENT IS MORE STRINGENT AT PLANNED LOCATIONS.
      II. VERIFY COMPLIANCE OF ENVIRONMENTAL CONDITIONS BEFORE, DURING, AND AFTER EXECUTION OF CONSTRUCTION ACTIVITIES, WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFIC REQUIREMENTS OF RELEVANT SECTIONS OF THESE SPECIFICATIONS.
   C. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OR THE MEANS OF CONSTRUCTION. THE CONTRACTOR WILL SUPERVISE AND DIRECT ALL WORK AND WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, TEMPORARY BRACING, AND SAFETY.
5. INSPECTION AND INSTALLATION:
   a. ADDITIONAL WORK DUE TO PRE-EXISTING CONDITIONS NOTED WILL NOT BE PAID AS EXTRA.
   b. PROVIDE SUBSTRATES SOUND, CLEAN, DRY, AND FREE OF IMPERFECTIONS OR CONDITIONS DETRIMENTAL TO RECEPTION OF APPLIED MATERIALS. CORRECT UNACCEPTABLE CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
   c. ALIGN MATERIAL TO GIVE SMOOTH, UNIFORM SURFACE PLANES WITHIN SPECIFIED TOLERANCES AND STRAIGHT, PLUMB SURFACES.
   d. PROVIDE FINISHED SURFACES CLEAN, UNIFORM, AND FREE OF DAMAGE, SOILING, OR DEFECTS IN MATERIAL AND FINISH.
   e. FINISHED SURFACES: MATCH COLOR AND TEXTURE OF SAMPLES PROVIDED BY OR APPROVED BY ARCHITECT.
   f. PROTECTION:
      i. PROTECT FINISHED SURFACES FROM DAMAGE AND SOILING DURING APPLICATION, DRYING, OR CURING.
6. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH THE COMPLETE SET OF DOCUMENTS AND THE SITE PRIOR TO CONSTRUCTION
7. IF DISCREPANCIES, OMISSIONS, OR ERRORS ARE FOUND IN THE DRAWINGS, THE CONTRACTOR WILL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
8. ALL WORKMANSHIP IS TO BE DONE BY SKILLED CRAFTSMEN TRAINED AND SKILLED IN THEIR TRADES. ALL SUBCONTRACTORS TO HAVE AT LEAST 5 YEARS OF PROVEN EXPERIENCE IN THEIR TRADES. ALL WORK TO BE DONE IN A FIRST CLASS MANNER.
9. CLEANUP:
   a. JOB SITE TO BE KEPT IN A CLEAN MANNER AT ALL TIMES.
   b. REMOVE ALL DEBRIS AND TRASH AND DISPOSE OF IN A LEGAL MANNER.
   c. REMOVE DUST, PAINT SPLATTER, CLEAN GLASS SURFACES, CABINETS, COUNTER TOPS, VACUUM CARPETS, WASH HARD FLOORS, CLEAN LIGHT LENSES, AND CLEAN PLUMBING FIXTURES SO THAT FACILITY IS "LIKE NEW CONDITION".
10. PRODUCTS SPECIFIED HERE WITHIN ARE TO BE PROVIDED AS SPECIFIED. ANY AND ALL SUBSTITUTION REQUESTS ARE TO BE SUBMITTED FOR APPROVAL PRIOR TO THE BID SUBMITTAL.

Division 3 CONCRETE

1. WHEN TRENCHING FOR SLAB ON GRADE SLABS PROVIDE NEAT AND STRAIGHT CUTS AND COORDINATE WITH FOOTINGS. EXCAVATE TO DEPTH FOR REQUIRED UTILITIES. AFTER PLACING UTILITIES, BACK FILL WITH COMPACTED SOIL, 10 MIL VAPOR BARRIER, AND INSTALL 12" #4 BARS AT 24" O.C. ON ALTERNATE SIDES EPOXIED 6" INTO EXISTING SLAB.
2. USE 4" THICK, 3,000PSI CONCRETE.
3. CONCRETE TO BE LEVEL WITH ADJACENT SLAB. TROWEL SMOOTH TO TO RECEIVE NEW FINISH.
4. SUBMIT SHOP DRAWINGS FOR CONCRETE AND ADDITIVES.

Division 4 CONCRETE UNIT MASONRY

1. FOLLOW REQUIREMENTS IN TMS 602/ACI 530.1/ASCE 6.
2. LAY MASONRY PLUMB, LEVEL AND TRUE TO LINE WITH ACCURATE COURSING INDICATED. ALIGN WITH ADJACENT UNITS IN FILL IN AREAS.
3. MAINTAIN RUNNING BOND PATTERN BY SAW TOOTHING IN NEW BLOCKS INTO EXISTING BLOCKS.
4. BUILD IN WORK OF OTHER SECTIONS INDICATED TO BE BUILT-IN WITH CMU AS WORK PROGRESSES± INCLUDE ANCHORS, WALL PLUGS, AND ACCESSORIES. FILL HOLLOW METAL FRAMES IN MASONRY WALLS WITH FINE GROUT AS WALL IS LAID.
5. INSTALL MINIMUM 8" SOLID END BEARING FULL WALL HEIGHT FROM FLOOR TO BEARING POINTS FOR LINTELS, BEAMS, AND OTHER SUPPORTING MEMBERS BY EITHER USE OF SOLID BLOCK OR FILLING CORES WITH CEMENT GROUT.
6. PROVIDE HORIZONTAL LADDER TYPE REINFORCING EVERY 16" O.C. VERT. AND VERT. #5 BARS AT 24" O.C. HORIZ. IN GROUT FILLED CELLS.
7. MORTAR JOINTS TO MATCH EXISTING USING TYPE "S" MORTAR.
8. CHECK EACH CMU AS LAID WITH MASONS LEVEL FOR LEVEL AND PLUMB WITH WALL BELOW.
9. KEEP MASONRY WORK FREE OF MORTAR DROPPINGS AS WORK PROGRESSES AND AT COMPLETION OF WORK, RUB MASONRY TO REMOVE EXCESS MORTAR. POINT MORTAR JOINTS± REMOVE AND REPLACE CMU'S WITH EXCESSIVE SPALLS OR CHIPS.

Division 8 DOORS AND WINDOWS

08 11 00 METAL DOORS AND FRAMES

1. SUBMITTALS:
   a. PRODUCT DATA:
      I. MANUFACTURER'S STANDARD PRODUCT DATA
   b. SHOP DRAWINGS:
      I. INDICATE DOOR AND FRAME ELEVATIONS, SECTIONS, MATERIALS, GAUGES, FINISHES, FABRICATION AND ERECTION DETAILS, LOCATION OF DOOR HARDWARE BY DIMENSION, AND DETAILS OF OPENINGS AND LOUVERS; USE SAME REFERENCE NUMBERS INDICATED ON DRAWINGS FOR DETAILS AND OPENINGS.
      II. DOOR SCHEDULE: FURNISH COMPLETE USING SAME REFERENCE NUMBERS INDICATED ON DRAWINGS FOR DETAILS AND OPENINGS. INCLUDE ALL DRAWING NUMBERED OPENINGS± INDICATE OPENINGS NOT PART OF THIS SECTION AS "BY OTHERS".
      III. DOOR SIZES AND CONSTRUCTION
      IV. HARDWARE TYPES AND LOCATIONS
      V. LITE OPENING SIZE AND LOCATION
2. MANUFACTURERS:
   a. ACCEPTABLE MANUFACTURERS:
      I. CECO DOOR; ASSA ABLOY
      II. CURRIES COMPANY
      III. REPUBLIC BUILDERS PRODUCTS CORP.
      IV. STEELCRAFT
3. FRAME CONSTRUCTION:
   a. ROLL FORMED OR PRESSED STEEL FRAMES FOR DOORS, SIDELIGHTS, TUBULAR MULLIONS AND BORROWED LIGHTS, AND OTHER INDICATED OPENINGS
   b. GAUGE: 16 GAUGE
   c. STOPS: 5/8" DEEP MINIMUM
   d. LABELS: ATTACHED LABEL FOR LABELED OPENINGS
4. FRAME ANCHORS:
   a. WALL ANCHORS FOR FRAME ATTACHMENT TO CMU PARTITIONS:
      I. ANCHORS AT 2'-0" VERT. O.C. ON EACH SIDE JAMB.
5. SHOP FINISHING: APPLY PRIMER IN SHOP
6. TOLERANCES:
   b. FRAMES:
      III. OVERALL DIMENSIONS: +/- 3/64" IN OPENING HEIGHT, +1/16", -1/32" IN OPENING WIDTH.
      II. THROAT OPENING: +/- 1/16"
      III. FRAME DEPTH: +/- 1/32"
7. REINFORCEMENT HARDWARE SCHEDULE: HINGE-1/8 GAUGE MIN., LOCK & STRIKE- 16 GA. MIN., CLOSER-14 GA. MIN..
8. DOOR EDGE TOLERANCES BETWEEN DOOR AND FRAME AT HEAD AND JAMBS: 1/8".

Division 8 DOORS AND WINDOWS (CONT.)

08 41 13 ALUMINUM FRAMED STOREFRONT SYSTEMS

1. STANDARDS: AAMA, ADA, ASTM, IBC.
2. PROVIDE SUBMITTALS OF COMPLETE PRODUCT DATA AND SHOP DRAWINGS INDICATING ELEVATIONS WITH SECTIONS AND DETAILS. INCLUDE GLASS AND METAL THICKNESS, JOINING DETAILS, FILED CONDITIONS, ANCHORAGE, GLASS, AND METAL FINISHES.
3. ACCEPTABLE MANUFACTURERS: EFCO CORP., KAWNEER COMPANY, INC., TRULITE GLASS AND ALUMINUM SOLUTIONS, YKK AP AMERICA, INC..
4. BASIS OF DESIGN AND FINISH AS NOTED ON DRAWINGS.
5. FABRICATE DOORS USING EXTRUDED ALUMINUM SECTIONS WITH DOOR CORNERS JOINED BY CONCEALED REINFORCEMENT WITH BOLTS, SCREWS AND SIGMA DEEP PENETRATING WELDING. MAJOR DOOR SECTIONS TO BE 3/16" MINIMUM WALL THICKNESS.
6. INSTALL ENTRANCES AND STOREFRONTS IN ACCORD WITH MANUFACTURERS PRODUCT DATA AND REVIEWED SHOP DRAWINGS, PLUMB, LEVEL, AND TRUE TO LINE.
7. PROTECT ALUMINUM IN CONTACT WITH MASONRY, STEEL, CONCRETE, OR DISSIMILAR MATERIALS FROM CONTACT USING NEOPRENE GASKETS OR APPLY MASTIC. SHIM USING HORSESHOE SHIMS

Division 9 FINISHES

09 30 00 TILE

1. FOLLOW ADA AND TCNA HANDBOOK STANDARDS:
2. PROVIDE INSTALLATION MATERIALS FROM A SINGLE SOURCE MANUFACTURER.
3. TILE PREPARATION AND INSTALLATION MUST BE AT LEAST 50 DEG MINIMUM AND 90 DEG MAXIMUM DURING TILE WORK AND FOR 7 DAYS AFTER COMPLETION. COMPLY WITH RECOMMENDATIONS OF MANUFACTURERS FOR SETTING AND GROUTING MATERIALS.
4. WARRANT INSTALLATION FOR 5 YEARS.
5. LATEX-HYDRAULIC CEMENT FAST DRYING MORTAR FOR TILE LESS THAN 7/16" THICKNESS. PRODUCT QUALITY STANDARD: CUSTOM BUILDING PRODUCTS± MEGALITE RAPID SETTING CRACK PREVENTION THIN SET MORTAR MEETING ANSI A118.15 AND ANSI A118.11.
6. EPOXY MORTAR FOR TILE IN TOILET ROOMS AND TCNA DEFINED WET AREAS, PRODUCT QUALITY STANDARD: CUSTOM BUILDING PRODUCTS± EBM-LITE EPOXY BONDING MORTAR± ANSI A118.3.
7. WATERPROOF/ISOLATION MEMBRANE: CUSTOM BUILDING PRODUCTS: REDGARD WATERPROOFING AND CRACK PREVENTION MEMBRANE. MEET ANSI 118.10, AND THIN SET TCNA F122 APPLICATION.
8. EPOXY GROUT QUALITY STANDARD: CUSTOM BUILDING PRODUCTS: CUSTOM BUILDING PRODUCTS± CEG-LITE COMMERCIAL EPOXY GROUT. MEETING ANSIA118.3 MULTI-COMPONENT± MILDEW AND FUNGUS RESISTANT ADDITIVES. COLOR AS SELECTED BY ARCHITECT ON DRAWINGS.
9. SEALANT AT PLUMBING FIXTURES: SILICONE BATH SEALANT.
10. MISCELLANEOUS ACCESSORIES AS INDICATED ON DRAWINGS FOR EDGE STRIPS, COVE BASES, AND OUTSIDE CORNERS, PER SCHLUTER SYSTEMS, L.P.
11. VERIFY THAT CONCRETE SLABS ARE WELL CURED WITH RECOMMENDED MOISTURE CONTENT VIA TESTING.
12. INSTALL TILE LEVEL, PLUMB, AND TRUE TO WITHIN 1/8" IN 10'. CENTER TILES IN SPACES WITH EQUAL TILES AT OPPOSITE WALLS, WITH NO TILES LESS THAN 1/4 TILE WIDE. CUT AND DRILL TILE SHAPES WITHOUT DAMAGE TO EXPOSED FACES.
13. FLOOR AND WALL TILE JOINTS TO BE 3/8" EXCEPT FOR MOSAIC FLOOR TILE.
14. USE MARBLE THRESHOLDS AT DOORS AND CHANGES IN MATERIAL.
15. CLEAN TILE WITH MANUFACTURERS RECOMMENDED CLEANING SOLUTIONS.
16. USE CAULK TO MATCH GROUT OVER AREAS OF CONTROL JOINTS.
17. PROVIDE SUBMITTALS ON ALL TILE SYSTEMS AND ACCESSORIES.

09 51 00 ACOUSTICAL CEILINGS

1. SCHEDULE ACOUSTICAL MATERIAL INSTALLATION TO MINIMIZE NEED FOR REMOVAL AND REPLACEMENT OF ACOUSTICAL UNITS TO ACCOMMODATE CONSTRUCTION ACTIVITIES SPECIFIED IN OTHER SECTIONS.
2. DESIGN REQUIREMENTS± SEISMIC:
   a. BUILDING CLASSIFICATION BASED ON IBC TABLE 1604.5.
   b. SEISMIC DESIGN CATEGORY FROM IBC TABLE 1613.5.6(1) OR TABLE 1613.5.6(2) WHICHEVER IS MORE SEVERE FOR BUILDING LOCATION BY STRUCTURALCALCULATIONS.
3. PRODUCT DATA: MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS. NOTE SPECIFIC REQUIREMENTS FOR SEISMIC RESTRAINTS.
4. ACCESSORIES:
   a. SEISMIC ACCESSORIES:
      I. EDGE (WALL) MOLDINGS:
         1) MANUFACTURES EXTRUDED ALUMINUM EDGE MOLDINGS AND TRIM; PROFILE INDICATED OR REFERENCED BY MANUFACTURER'S DESIGNATIONS.
         2) INCLUDE SPLICE PLATES, CORNER PIECES, AND ATTACHMENT AND OTHER CLIPS, COMPLYING WITH SEISMIC DESIGN REQUIREMENTS.
         3) HORIZONTAL LEG WIDTH: 7/8", MINIMUM; ACTUAL WIDTH REQUIRED BY SEISMIC DESIGN.
      II. SEISMIC CLIPS: MANUFACTURER'S STANDARD SEISMIC CLIPS; DESIGNED AND SPACE TO SECURE ACOUSTICAL PANELS IN-PLACE.
      III. SEISMIC STRUTS: MANUFACTURER'S STANDARD COMPRESSION STRUTS; DESIGN TO ACCOMMODATE SEISMIC FORCES.
      IV. SPRINKLER HEAD AND OTHER PANEL PENETRATIONS: FURNISH 2" OVERSIZE RING OR SLEEVE, MINIMUM, TO ALLOW 1" MOVEMENT IN HORIZONTAL DIRECTIONS.
         1) HANGER WIRE: ASTM A641-09A, MINIMUM 12 GAUGE, GALVANIZED, SOFT TEMPER STEEL WIRE; PRE-STRETCHED.
         2) WIRE TIES: 18GAUGE, GALVANIZED, ANNEALED STEEL WIRE
5. SUSPENSION SYSTEM INSTALLATION:
   a. INSTALL SUSPENSION SYSTEM IN ACCORD WITH APPLICABLE PORTIONS OF ASTM C636 EXCEPT FOR PARAGRAPH 2.3.1 LEVEL TOLERANCE. USE LEVEL TOLERANCE INDICATED BELOW.
   b. SEISMIC REQUIREMENTS:
      I. INSTALL SUSPENSION SYSTEM, LIGHTING FIXTURE SUPPORTS, SERVICES WITHIN CEILING, AND PANELS REQUIRING SEISMIC RESTRAINT IN ACCORD WITH ASTM E580-10; INCLUDE HORIZONTAL RESTRAINT IN ACCORD WITH SEISMIC DESIGN CATEGORY.
   c. ATTACHMENT DEVICES:
      I. GENERAL: USE ATTACHMENT DEVICES DESIGNED, SIZE, SPACED, AND ATTACHED TO STRUCTURAL FRAMING MEMBERS UTILIZING ANTICIPATED CEILING LOAD PER HANGER WITH SAFETY FACTOR OF NOT LESS THAN FIVE.
   d. HANGERS:
      I. SPACE HANGERS FOR MAIN TEES AT 4'-0" O.C. SECURE TO BUILDING STRUCTURE USING ATTACHMENT DEVICES INDICATED IN REVIEWED SHOP DRAWINGS.
      II. INSTALL ADDITIONAL HANGERS AT ENDS OF EACH SUSPENSION MEMBER AND AT EACH CORNER OF LIGHTING FIXTURES
   e. EL AND SQUARE SUSPENSION SYSTEM COMPONENTS WITHIN SPECIFIED TOLERANCES PRIOR TO BEGINNING CEILING MATERIAL INSTALLATION
   f. INSTALL CROSS TEES ADJACENT TO LIGHTING FIXTURES AND GRILLES ON EACH SIDE NOT SUPPORTED BY MAIN TEES
   g. WALL MODINGS:
      I. INSTALL WALL MOLDING AT INTERSECTION OF SUSPENDED CEILING AND VERTICAL SURFACES.
      II. MITER CORNERS WHERE WALL MOLDINGS INTERSECT OR INSTALL CORNER CAPS
      III. ATTACH TO VERTICAL SURFACES WITH MECHANICAL FASTENERS
6. ACOUSTICAL UNIT INSTALLATION:
   a. PLACE MATERIALS TO LAY FLUSH ON SUSPENSION MEMBERS
   b. TEGULAR PANELS; INTERSECTION AT WALL MOLDING± CUT OR ROUT PANEL TO SAME DEPTH AS TEGULAR GROOVE AND SAME WIDTH AS EDGE MOLDING. INTENT IS TO MAINTAIN GRID AND EDGE MOLDING ON SAME HORIZONTAL PLANE
   c. LAY SOUND ATTENUATION BLANKETS OVER DESIGNATED CEILING AREAS, INSULATION SUPPORTED BY SUSPENSION SYSTEM; GRID SUPPORT NOT TO EXCEED 24". LAYING BLANKETS DIRECTLY ON, AND SUPPORTED TOTALLY BY, CEILING PANELS IS PROHIBITED.
7. TOLERANCES:
   a. MAXIMUM DEFLECTION FOR SUSPENSION SYSTEM COMPONENTS, HANGERS, AND FASTENING DEVICES SUPPORTING LIGHTING FIXTURES, CEILING GRILLES, ACOUSTICAL UNITS: L/360 OF SPAN, TESTED IN ACCORD WITH ASTM C635.
   b. BOW, CAMBER, AND TWIST: NOT EXCEEDING TOLERANCES ESTABLISHED BY ASTM C635.
   c. VARIATION FROM LEVEL IN FINISHED CEILING: +/- 1/8" IN 12'-0"

09 91 00 PAINTING

1. PRODUCT DATA:
   A. COMPLETE LIST OF PRODUCTS FOR USE± INDICATE COMPLIANCE WITH:
      I. MERCURY-FREE COMPOSITION REQUIREMENTS
      II. VOC LIMITS, WHEN MIXED AND THINNED
      III. INDICATE LEAD CONTENT
   B. APPROVED MANUFACTURERS:
      I. PPG
      II. SHERWIN WILLIAMS
      III. DURON
      IV. GLIDDEN
2. SAMPLES:
   a. COLORS: COLOR SAMPLE SETS FOR COLOR VERIFICATION OF INDICATED COLORS.
3. QUALIFICATIONS, INSTALLER:
   a. LICENSED PAINTING CONTRACTOR IN STATE OF GEORGIA NOT LESS THAN THREE YEARS PRIOR TO DATE OF CONSTRUCTION DOCUMENTS
   b. COMPLETED FIVE PROJECTS, MINIMUM, OF COMPARABLE MAGNITUDE IN LAST THREE YEARS
4. SITE CONDITIONS:
   a. ENVIRONMENTAL REQUIREMENTS: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS REGARDING ENVIRONMENTAL CONDITIONS FOR MATERIALS APPLICATION.
5. EXAMINATION:
   a. VERIFICATION OF CONDITIONS: VERIFY CMU HAS BEEN CLEANED AND IS FREE OF DEBRIS.
6. PREPARATION:
   a. PROTECTION:
      I. APPLYING MATERIALS IN SPACES WHERE DUST IS BEING GENERATED IS PROHIBITED.
      II. VERIFY SURFACES TO RECEIVE FINISHES ARE DRY, FREE OF DEBRIS, DUST, OR OTHER DELETERIOUS MATERIALS.
      III. REMOVE HARDWARE, ACCESSORIES, DEVICE PLATES, LIGHTING FIXTURES, FACTORY FINISHED WORK AND SIMILAR ITEMS OR PROVIDE PROTECTIVE COVERING AND MASKING OVER ITEMS PRIOR TO SURFACE PREPARATION AND PAINTING WORK. STORE ITEMS REMOVED FOR REINSTALLATION AFTER COMPLETION OF PAINTING.
7. CMU SURFACES:
   a. BLOCK FILLER PPG PAINTS: APPLY ONE COAT OF 6-15XI SPEEDHIDE INTERIOR EXTERIOR CONCRETE MASONRY BLOCK FILLER AT 8.0 MILS DFT, OR AT SPREAD RATE THAT WILL FILL PORES OF THE BLOCK.
   b. FIRST AND SECOND COATS PPG PAINTS: PPG 6-4510XI SPEEDHIDE INTERIOR ZERO VOC LATEX SEMI GLOSS FINISH AT 1.3 MILS DFT.
8. HOLLOW METAL DOORS AND FRAMES:
   a. PRIMER PPG PAINTS: APPLY ONE COAT OF 90-712 PITT TECH INTERIOR EXTERIOR DTM INDUSTRIAL ACRYLIC PRIMER FINISH AT 2.0 TO 3.0 MILS DFT.
   b. FIRST AND SECOND COATS PPG PAINTS: PPG 4216HP PITT TECH PLUS INTERIOR EXTERIOR HIGH PERFORMANCE DTM WATERBORNE ACRYLIC SEMI GLOSS ENAMEL AT 1.5 TO 4.0 DFT.
9. COATING APPLICATION:
   a. GENERAL:
      I. APPLY MATERIALS:
         1) IN ACCORD WITH MANUFACTURER'S APPROVED PRODUCT DATA TO ACHIEVE SPECIFIED DFT.
         2) USING CLEAN BRUSHES, ROLLERS, OR SPRAY EQUIPMENT. LIMIT PAINT SPRAYING ONLY TO THOSE MATERIALS RECOMMENDED BY MANUFACTURER TO BE SPRAYED WITH NO LOSS OF PERFORMANCE, DURABILITY, OR COLOR
      II. COMPLY WITH MANUFACTURER'S PRODUCT DATA FOR DRYING TIME BETWEEN COATS.
      III. SAND AND DUST BETWEEN COATS TO REMOVE DEFECTS VISIBLE FROM 5'-0 DISTANCE.
      IV. FINISH COATS: SMOOTH, FREE OF BRUSH MARKS, STREAKS, LAPS OR PILE-UP OF PAINT, SKIPS, OR MISSED AREAS.
      V. MAKE COATING EDGES ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING.

Division 10 SPECIALTIES

10 28 13 TOILET ACCESSORIES

1. STANDARDS OF THE FOLLOWING AS REFERENCED:
   a. AMERICAN DISABILITIES ACT (ADA)
2. SUBMITTALS:
   a. PRODUCT DATA:
      I. COMPLETE LIST OF PRODUCTS FOR USE± INCLUDE ANCHOR PLATES FURNISHED FOR INSTALLATION IN OTHER SECTIONS
      II. INCLUDE CATALOG CUTS AND DATA SHEETS INDICATING SIZE, MATERIAL AND FINISH, COMPLETE PARTS LIST, AND INSTALLATION PROCEDURES FOR EACH ACCESSORY
      III. INCLUDE REQUIREMENTS FOR IN-WALL BLOCKING± BLOCKING PROVIDED IN OTHER SECTIONS
3. PIPING SAFETY COVERS:
   a. ACCEPTABLE MANUFACTURERS:
      I. PLUMBEREX SPECIALTY PRODUCTS, INC.
      II. TRUEBRO, INC.
      III. VAN DUERR INDUSTRIES
   b. PRODUCT STANDARD OF QUALITY: TRUEBRO LAV-GUARD
   c. CHARACTERISTICS: ONE-PIECE VINYL COMPONENTS, MINIMUM 1/8 INCH (3 MM) WALL THICKNESS, WITH INTERNAL RIBS TO PROVIDE AIR SPACE BETWEEN PIPING AND PIPING INSTALLATION JACKET, MOLDED TO RECEIVE MANUFACTURER'S SNAP-CLIP FASTENERS.
   d. VINYL MATERIAL: IMPACT-RESISTANT AND STAIN-RESISTANT MOLDED CLOSED-CELL ANTI-MICROBIAL VINYL COMPOUND, UV-STABLE, NON-FADING, NON-YELLOWING: HAVING THE FOLLOWING PERFORMANCE CHARACTERISTICS:
      I. BURNING CHARACTERISTICS, WHEN TESTED IN ACCORDANCE WITH ASTM D 635: 0 SECONDS AVERAGE TIME OF BURNING (ATB), 0 MM AREA OF BURNING (AEB)
      II. THERMAL CONDUCTIVITY, WHEN TESTED IN ACCORDANCE WITH ASTM C 177: K-VALUE 1.17
      III. INDENTATION HARDNESS, WHEN TESTED IN ACCORDANCE WITH ASTM D 2240: 60 SHORE A, MINIMUM
   e. TRAP ASSEMBLY COVER: THREE-PIECE ASSEMBLY, WITH REMOVABLE CLEAN-OUT NUT ENCLOSURE
   f. ANGLE STOP COVERS: FORMED WITH HINGED CAP FOR ACCESS TO VALVE WITHOUT REQUIRING COVER REMOVAL
   g. CONFIGURATIONS: IN ACCORD WITH MANUFACTURER'S PRODUCT DATA FOR PROJECT PIPING CONFIGURATIONS INDICTED ON DRAWINGS
   h. COLOR: CHINA WHITE, GLOSS FINISH± PAINTABLE
   i. LOCATIONS: AT EACH HANDICAP LAVATORY WHERE PIPING IS EXPOSED
4. ACCESSORIES:
   a. MOUNTING KITS FOR GRAB BARS: TYPE FURNISHED BY ACCESSORY MANUFACTURER'S SPECIFIED PRODUCT REQUIREMENTS FOR WALL CONDITION AND TOILET COMPARTMENT ENCOUNTERED
5. EXAMINATION
   a. VERIFICATION OF CONDITIONS:
      I. VERIFY BUILT-IN ACCESSORY PLATES, BLOCKING, AND RELATED ITEMS ARE IN CORRECT LOCATION AND POSITION.
      II. CHECK OPENINGS SCHEDULED TO RECEIVE RECESSED OR SEMI-RECESSED ACCESSORIES FOR CORRECT DIMENSIONS, DEPTH, PLUMBNESS OF BLOCKING FOR FRAMES, AND PREPARATION AFFECTING ACCESSORIES INSTALLATION
6. INSTALLATION
   a. GENERAL:
      I. INSTALL ACCESSORIES LEVEL, PLUMB, IN INDICATED LOCATIONS
      II. INSTALLATION METHODS INDICATED IN MANUFACTURER'S LITERATURE FOR SUBSTRATES ENCOUNTERED

10 28 13 TOILET ACCESSORIES (CONTINUED)

   b. MOUNTING HEIGHTS, GENERAL:
      I. MOUNT TOILET AND BATH ACCESSORIES WHERE INDICATED
      II. IF MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT AT TOILET AND BATH ACCESSORY MANUFACTURER RECOMMENDED ADA HEIGHT
      III. ACCESSORY ITEMS INDICATED BY CODE "FOR USE BY THE HANDICAPPED". MOUNT AT HEIGHT REQUIRED BY ANSI A 117.1 AND ADA± USE MORE RESTRICTIVE REQUIREMENT UNLESS OTHERWISE INDICATED IN CASE OF CONFLICT
   c. WALL CONDITIONS, GRAB BARS: ATTACH TO STUD WALL SYSTEM USING ACCESSORY MANUFACTURER SUPPLIED CONTINUOUS LENGTH STEEL ANCHOR PLATE AND MOUNTING KITS AT INDICATED LOCATIONS ON GRAB BAR WALL SIDE
   d. CONCEAL EVIDENCE OF DRILLING, CUTTING, AND FITTING ADJACENT FINISHES

10 21 13 TOILET COMPARTMENTS

10 21 13 TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES
- A. COMPACT LAMINATE (CL/SOLID PHENOLIC), MOISTURE RESISTANT SUBSTRATE: (BOBRICK DURALINESERIES).
  - 1.TOILET PARTITIONS.
  - 2.URINAL PRIVACY SCREENS.

1.2 SUBMITTALS
- A. PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
  - 1. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.
  - 2. STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS.
  - 3. INSTALLATION METHODS.
- B. SHOP DRAWINGS: SUBMIT MANUFACTURER'S SHOP DRAWINGS FOR EACH PRODUCT SPECIFIED, INCLUDING THE FOLLOWING:
  - 1. PLANS, ELEVATIONS, DETAILS OF CONSTRUCTION AND ATTACHMENT TO ADJACENT CONSTRUCTION.
  - 2. SHOW ANCHORAGE LOCATIONS AND ACCESSORY ITEMS.
  - 3. VERIFY DIMENSIONS WITH FIELD MEASUREMENTS PRIOR TO FINAL PRODUCTION OF TOILET COMPARTMENTS.
- C. VERIFICATION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO SAMPLES, MINIMUM SIZE 6 INCHES (150 MM) SQUARE REPRESENTING ACTUAL PRODUCT, COLOR, AND PATTERNS.

1.3 QUALITY ASSURANCE
- A. MANUFACTURER QUALIFICATIONS: MINIMUM 10 YEAR EXPERIENCE MANUFACTURING SIMILAR PRODUCTS.
- B. INSTALLER QUALIFICATIONS: MINIMUM 2 YEAR EXPERIENCE INSTALLING SIMILAR PRODUCTS.
- C. SINGLE SOURCE REQUIREMENTS: TO THE GREATEST EXTENT POSSIBLE PROVIDE PRODUCTS FROM A SINGLE MANUFACTURER.
- D. ACCESSIBILITY REQUIREMENTS: COMPLY WITH REQUIREMENTS APPLICABLE IN THE JURISDICTION OF THE PROJECT, INCLUDING BUT NOT LIMITED TO ADA AND ICC/ANSI A117.1 REQUIREMENTS AS APPLICABLE.

1.4 DELIVERY, STORAGE, AND HANDLING
- A. DELIVER AND STORE PRODUCTS IN MANUFACTURER'S UNOPENED PACKAGING BEARING THE BRAND NAME AND MANUFACTURER'S IDENTIFICATION UNTIL READY FOR INSTALLATION.
- B. HANDLING: HANDLE MATERIALS TO AVOID DAMAGE.

1.5 PROJECT CONDITIONS
- A. MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S RECOMMENDED LIMITS.

1.6 WARRANTY
- A. MANUFACTURER'S WARRANTY (SIERRASERIES AND DURALINESERIES): MANUFACTURER'S STANDARD 25 YEAR LIMITED WARRANTY FOR PANELS, DOORS, AND STILES AGAINST BREAKAGE, CORROSION, DELAMINATION, AND DEFECTS IN FACTORY WORKMANSHIP. MANUFACTURER'S STANDARD 1 YEAR GUARANTEE AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR STAINLESS STEEL DOOR HARDWARE AND MOUNTING BRACKETS.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURER, BASIS OF DESIGN:: BOBRICK WASHROOM EQUIPMENT, INC± WEB:WWW.BOBRICK.COM

2.2 COMPACT LAMINATE (SOLID PHENOLIC), MOISTURE RESISTANT SUBSTRATE (DURALINE SERIES)
- A. COMPACT LAMINATE (SOLID PHENOLIC), MOISTURE RESISTANT SUBSTRATE (DURALINE SERIES)
  - 1. DESIGN TYPE: STANDARD HEIGHT.
    - 1) DOOR/PANEL HEIGHT: 58 INCHES (147 CM).
    - 2) FLOOR CLEARANCE: 12 INCHES (30 CM).
  - 2. PRIVACY STYLE PARTITIONS: NO SIGHTLINES WITH GAP-FREE INTERLOCKING DOORS AND STILES ROUTED 0.300 INCHES (7.6 MM) FROM THE EDGE TO ALLOW FOR 0.175 INCH (4.4 MM) OVERLAP TO PREVENT LINE-OF-SIGHT INTO THE TOILET COMPARTMENT. PRIVACY STRIPS FASTENED OR ADHERED ONTO THE PARTITION MATERIAL ARE NOT ACCEPTABLE.
  - 3. MOUNTING CONFIGURATION:
    - a. FLOOR-MOUNTED, OVERHEAD-BRACED WITH SATIN FINISH, EXTRUDED ANODIZED ALUMINUM HEADRAILS, 0.065 INCH (1.65 MM) THICK WITH ANTI-GRIP PROFILE.
      - 1). STILE MAXIMUM HEIGHT: 83 INCHES (211 CM).
- B. COMPACT LAMINATE (SOLID PHENOLIC) URINAL SCREENS: BOBRICK DURALINE SERIES.
  - 1. MOUNTING CONFIGURATION:
    - a. WALL-HUNG.
      - 1). SCREEN HEIGHT: 42 INCHES (107 CM) WITH 18 INCHES (46 CM) FLOOR CLEARANCE.
- C. MATERIALS: SOLIDLY FUSED PLASTIC LAMINATE WITH MATTE-FINISH MELAMINE SURFACES± INTEGRALLY BONDED COLORED FACE SHEETS AND BLACK PHENOLIC-RESIN CORE.
- D. EDGES: BLACK± BROWN EDGES NOT ACCEPTABLE.
- E. COLOR:
  - 1. AS INDICATED ON DRAWINGS.
- F. FIRE RESISTANCE:
  - 1. NATIONAL FIRE PROTECTION ASSOCIATION/INTERNATIONAL BUILDING CODE INTERIOR WALL AND CEILING FINISH: CLASS B / UNIFORM BUILDING CODE: CLASS II.
    - a. FLAME SPREAD INDEX (ASTM E 84): 30 FOR PANELS AND STILES.
    - b. SMOKE DEVELOPED INDEX (ASTM E 84): 55 FOR PANELS, 20 FOR STILES.
  - 2. NATIONAL FIRE PROTECTION ASSOCIATION/INTERNATIONAL BUILDING CODE INTERIOR WALL AND CEILING FINISH: CLASS A / UNIFORM BUILDING CODE: CLASS I.
    - a. FLAME SPREAD INDEX (ASTM E 84): 15-25 FOR PANELS, STILES AND DOORS.
    - b. SMOKE DEVELOPED INDEX (ASTM E 84): 25 - 105 FOR PANELS, 20-90 FOR STILES.
- G. FINISHED THICKNESS:
  - 1. STILES AND DOORS: 3/4 INCH (19 MM).
  - 2. PANELS AND SCREENS: 1/2 INCH (13 MM).
- H. STILES: FLOOR-ANCHORED STILES FURNISHED WITH EXPANSION SHIELDS AND THREADED RODS.
  - 1. LEVELING DEVICES: 7 GAUGE, 3/16 INCHES (5 MM) THICK, CORROSION-RESISTANT, CHROMATE-TREATED, DOUBLE ZINC-PLATED STEEL ANGLE LEVELING BAR BOLTED TO STILE± FURNISHED WITH 3/8 INCH (10 MM) DIAMETER THREADED RODS, HEX NUTS, LOCK WASHERS, FLAT WASHERS, SPACER SLEEVES, EXPANSION ANCHORS, AND SHOE RETAINERS.
  - 2. STILE SHOES: ONE-PIECE, 22 GAUGE (0.8 MM), 18-8, TYPE 304 STAINLESS STEEL, 4 INCH (102 MM) HEIGHT± TOPS WITH 90 DEGREE RETURN TO STILE. ONE-PIECE SHOE CAPABLE OF ADAPTING TO 3/4 INCH (19 MM) OR 1 INCH (25 MM) STILE THICKNESS AND CAPABLE OF BEING FASTENED (BY CLIP) TO STILES STARTING AT WALL LINE.
- I. WALL POSTS: PRE-DRILLED FOR DOOR HARDWARE, 18-8, TYPE 304, 16 GAUGE (1.6 MM) STAINLESS STEEL WITH SATIN FINISH± 1 INCH (25 MM) X 1-1/2 INCHES (38 MM) X 58 INCHES HIGH (1473 MM).
- J. ANCHORS: EXPANSION SHIELDS AND THREADED RODS AT FLOOR CONNECTIONS AS APPLICABLE. THREADED RODS SECURED TO SUPPORTS ABOVE CEILING AS APPLICABLE. SUPPORTS ABOVE CEILING FURNISHED AND INSTALLED AS WORK OF SECTION 05 50 00 - METAL FABRICATIONS.
- K. HARDWARE:
  - 1. COMPLIANCE: OPERATING FORCE OF LESS THAN 5 LB (2.25 KG).
  - 2. EMERGENCY ACCESS: HINGES, LATCH ALLOW DOOR TO BE LIFTED OVER KEEPER FROM OUTSIDE COMPARTMENT ON INSWING DOORS.
  - 3. MATERIALS: 18-8, TYPE 304, HEAVY-GAUGE STAINLESS STEEL WITH SATIN FINISH.
  - 4. DOORSTOPS: PREVENTS INSWINGING DOORS FROM SWINGING OUT BEYOND STILE± ON OUTSWING DOORS, DOORSTOP PREVENTS DOOR FROM SWINGING IN BEYOND STILE.
  - 5. FASTENING: HARDWARE IS SECURED TO DOOR AND STILE WITH PIN-IN-HEAD TORX STAINLESS STEEL MACHINE SCREWS. HINGES, LATCH AND OPTIONAL DOOR STOPS SECURED TO DOOR WITH PIN-IN-HEAD TORX STAINLESS STEEL MACHINE SCREWS INTO FACTORY-INSTALLED, THREADED BRASS INSERTS. FASTENERS FOR HINGES, LATCH AND OPTIONAL DOOR STOPS SECURED DIRECTLY INTO CORE NOT ACCEPTABLE.
    - a. THREADED BRASS INSERTS: FACTORY-INSTALLED± WITHSTAND DIRECT PULL FORCE EXCEEDING 1500 LB (680 KG) PER INSERT.
  - 6. DOOR LATCH: TRACK OF DOOR LATCH PREVENTS INSWING DOORS FROM SWINGING OUT BEYOND STILE± ON OUTSWING DOORS, DOOR KEEPER PREVENTS DOOR FROM SWINGING IN BEYOND STILE± 16 GAUGE (1.6 MM) SLIDING DOOR LATCH, 14 GAUGE (2 MM) KEEPER.
  - 7. LOCKING: DOOR LOCKED FROM INSIDE BY SLIDING DOOR LATCH INTO KEEPER.
  - 8. HINGE TYPE:
    - a. FULL-HEIGHT INSTITUTIONAL HINGE.
      - 1). HINGES: 16 GAUGE (1.6 MM) STAINLESS STEEL, SELF-CLOSING, 3 SECTION HINGES.
  - 9. MOUNTING BRACKETS:
    - a. FULL-HEIGHT.
      - 1). MOUNTING BRACKETS: 18 GAUGE (1.2 MM) STAINLESS STEEL AND EXTEND FULL HEIGHT OF PANEL.
      - 2). U-CHANNELS: SECURE PANELS TO STILES.
      - 3). ANGLE BRACKETS: SECURE STILES-TO-WALLS AND PANELS TO WALLS.

PART 3 PRODUCTS

3.1 PREPARATION

3.2 A. VERIFY SURFACES ARE READY FOR INSTALLATION.
- 1. INSPECT AREAS SCHEDULED TO RECEIVE COMPARTMENTS FOR CORRECT DIMENSIONS, PLUMBNESS OF WALLS, AND SOUNDNESS OF SURFACES THAT WOULD AFFECT INSTALLATION OF MOUNTING BRACKETS.
- 2. VERIFY SPACING OF PLUMBING FIXTURES TO ASSURE COMPATIBILITY WITH INSTALLATION OF COMPARTMENTS.

3.3 INSTALLATION
- A. INSTALL PRODUCTS IN STRICT COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, INCLUDING THE FOLLOWING:
  - 1. VERIFY LOCATION DOES NOT INTERFERE WITH DOOR SWINGS OR USE OF FIXTURES.
  - 2. USE FASTENERS AND ANCHORS SUITABLE FOR SUBSTRATE AND PROJECT CONDITIONS
  - 3. INSTALL UNITS RIGID, STRAIGHT, PLUMB, AND LEVEL.
  - 4. CONCEAL EVIDENCE OF DRILLING, CUTTING, AND FITTING TO ROOM FINISH.
  - 5. TEST FOR PROPER OPERATION.

3.4 ADJUSTING, CLEANING AND PROTECTION
- A. ADJUST HARDWARE FOR PROPER OPERATION AFTER INSTALLATION. SET HINGE CAM ON IN-SWINGING DOORS TO HOLD DOORS OPEN WHEN UNLATCHED. SET HINGE CAM ON OUT-SWINGING DOORS TO HOLD UNLATCHED DOORS IN CLOSED POSITION.
- B. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS.
- C. CLEAN EXPOSED SURFACES OF COMPARTMENTS, HARDWARE, AND FITTINGS.

STATE OF GEORGIA
SCOTT P. ZANARDO
CERTIFICATE NO. 4012
REGISTERED ARCHITECT

ISSUE RECORD

date	issue
2/11/19	FOR CONSTRUCTION

DRAWING REVISION

no.	date	revision

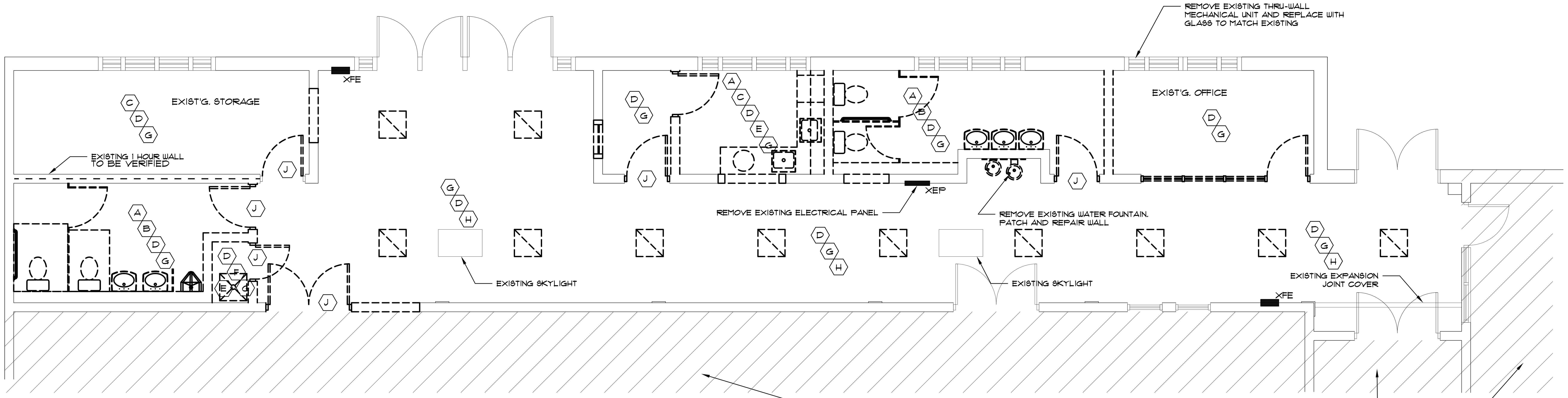
LYNWOOD RECREATION CENTER
ADA RESTROOMS RENOVATION
4360 OSBORNE ROAD NE
BROOKHAVEN, GA
JUNE, 2019

ZANARDO ARCHITECTS, P.C.
295 CULVER STREET SOUTH
SUITE C
LAWRENCEVILLE, GA 30046
770.806.1031

date JUNE,2019
drawn NT
chckd SZ
proj# 2018-22

SPECS

A0.2



1 A1.0 EXISTING/DEMO PLAN
SCALE: 1/4"=1'-0"

PLAN LEGEND

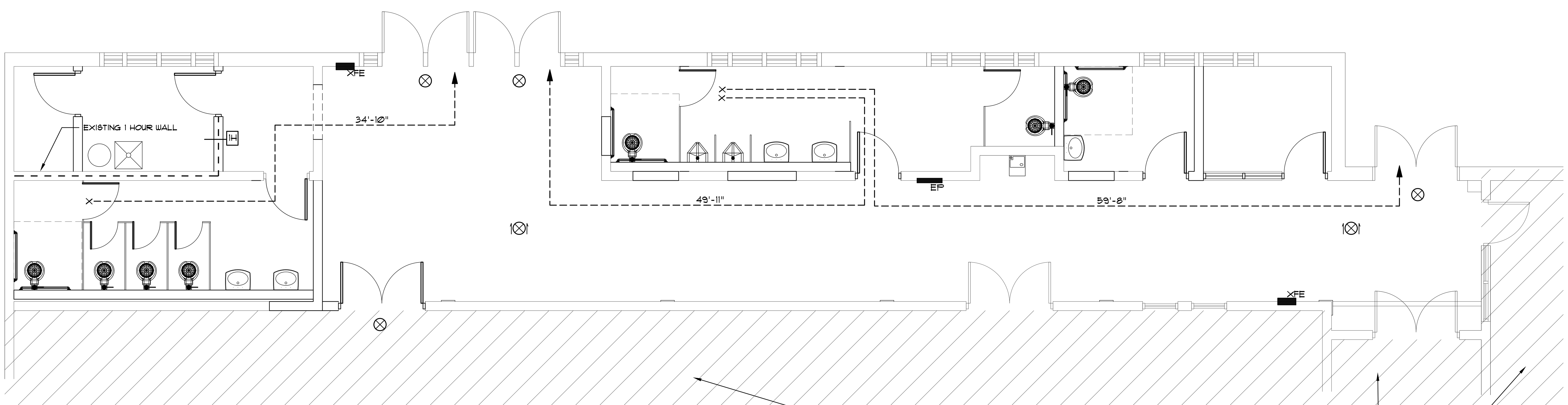
- DENOTES EXISTING WALL PARTITION
- WALL TO BE REMOVED
- DOOR & FRAME TO BE REMOVED
- XFE EXISTING FIRE EXTINGUISHER AND CABINET
- XEP EXISTING ELECTRICAL PANEL

DEMO FLOOR PLAN NOTES

1. CAREFULLY REMOVE ITEMS TO BE DEMOLISHED TO AVOID DAMAGING ADJACENT ITEMS TO REMAIN.
2. BRACE AND SUPPORT EXISTING STRUCTURE UNTIL NEW WORK IS COMPLETED.
3. DISPOSE OF ALL DEBRIS IN A LEGAL MANNER.

DEMO FLOOR PLAN TAGS

- (A) REMOVE ALL TOILET FIXTURES, SINKS AND SUPPLY LINES. CAP SUPPLY AND DRAIN LINES.
- (B) REMOVE ALL TOILET ACCESSORIES AND COUNTERS.
- (C) REMOVE ALL EXISTING MILLWORK AND COUNTERS.
- (D) REMOVE ALL EXISTING FLOORING
- (E) REMOVE EXISTING WATER HEATERS
- (F) REMOVE EXISTING JANITORS SINK AND FAUCET. CAP SUPPLY AND DRAIN LINES. SEE NEW FLOOR PLAN FOR LOCATION OF NEW JANITORS SINK.
- (G) REMOVE EXISTING CEILING SYSTEMS AND LIGHT FIXTURES
- (H) REMOVE EXISTING RUBBER COVE BASE
- (J) REMOVE EXISTING DOOR AND TRANSOM UNIT.



2 A1.0 NEW LIFE-SAFETY PLAN
SCALE: 1/4"=1'-0"

LIFE-SAFETY LEGEND

- × LOCATION POINT OF WHERE YOU ARE
- PATHS OF EGRESS
- 1 HOUR RATED WALL

ACCESSORIES LEGEND

- EXIT LIGHT W/ BATTERY BACK UP
- XFE EXISTING SEMI-RECESSED CABINET
- EP NEW ELECTRICAL PANEL AND BREAKERS. SEE ELECTRICAL DRAWINGS FOR INFORMATION

BUILDING INFORMATION:

EXISTING CONSTRUCTION- IBC TYPE IB- CMU & CONCRETE CONSTRUCTION - NFPA II (222)
BUILDING IS NOT SPRINKLERED
SINGLE STORY - SINGLE TENANT BUILDING
MAIN BUILDING AND USE GYMNASIUM - ASSEMBLY OCCUPANCY
GYM 9,693 SF/50 SF = 194 OCCUPANTS
(PER 1004.1.2 ACTIVE GYM)
CLASSROOMS 4,083 SF/50 SF = 82 OCCUPANTS
OFFICES 1,138 SF/100 SF = 12 OCCUPANTS

COMMON PATH LIMIT	20'/75'
DEAD END CORRO. LIMIT	20'
TRAVEL DISTANCE LIMIT	200'

OCCUPANCY LOAD:
TOTAL OCCUPANCY LOAD= 288 PERSONS
TOTAL EGREES CAPACITY
2 EXITS AT 64"/.2 P.P.= 640 OCCUPANTS > ACTUAL OCCUPANT LOAD 288.

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LAWRENCEVILLE, GA 30046
770.806.1031

date	JUNE 2019
drawn	NT
chckd	SZ
proj#	2018-22

EXISTING/DEMO & LIFE-SAFETY

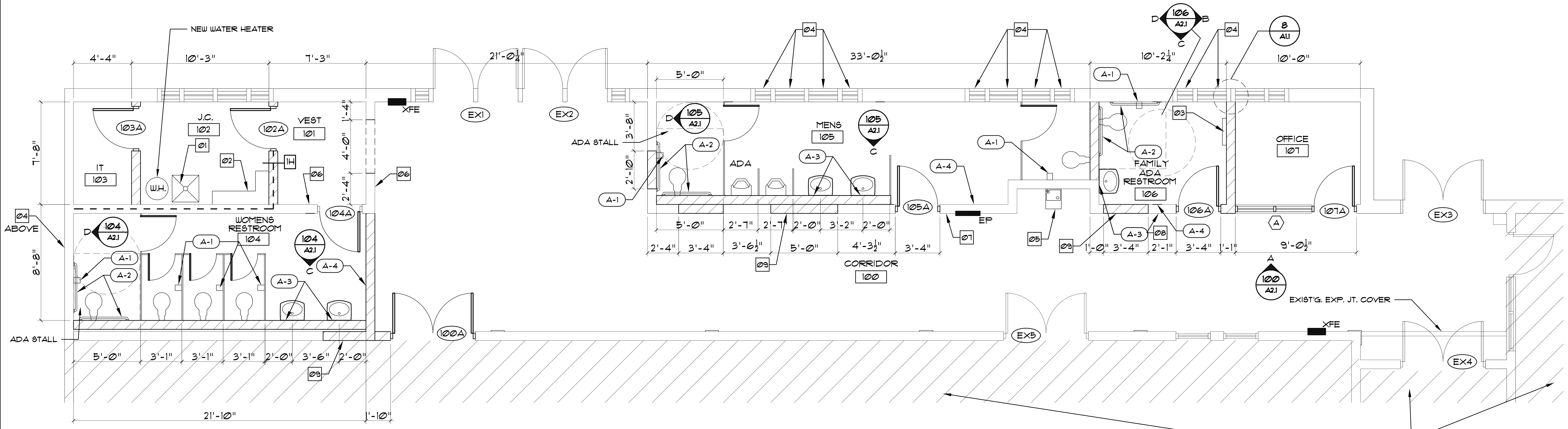
A1.0

GENERAL PLAN NOTES:

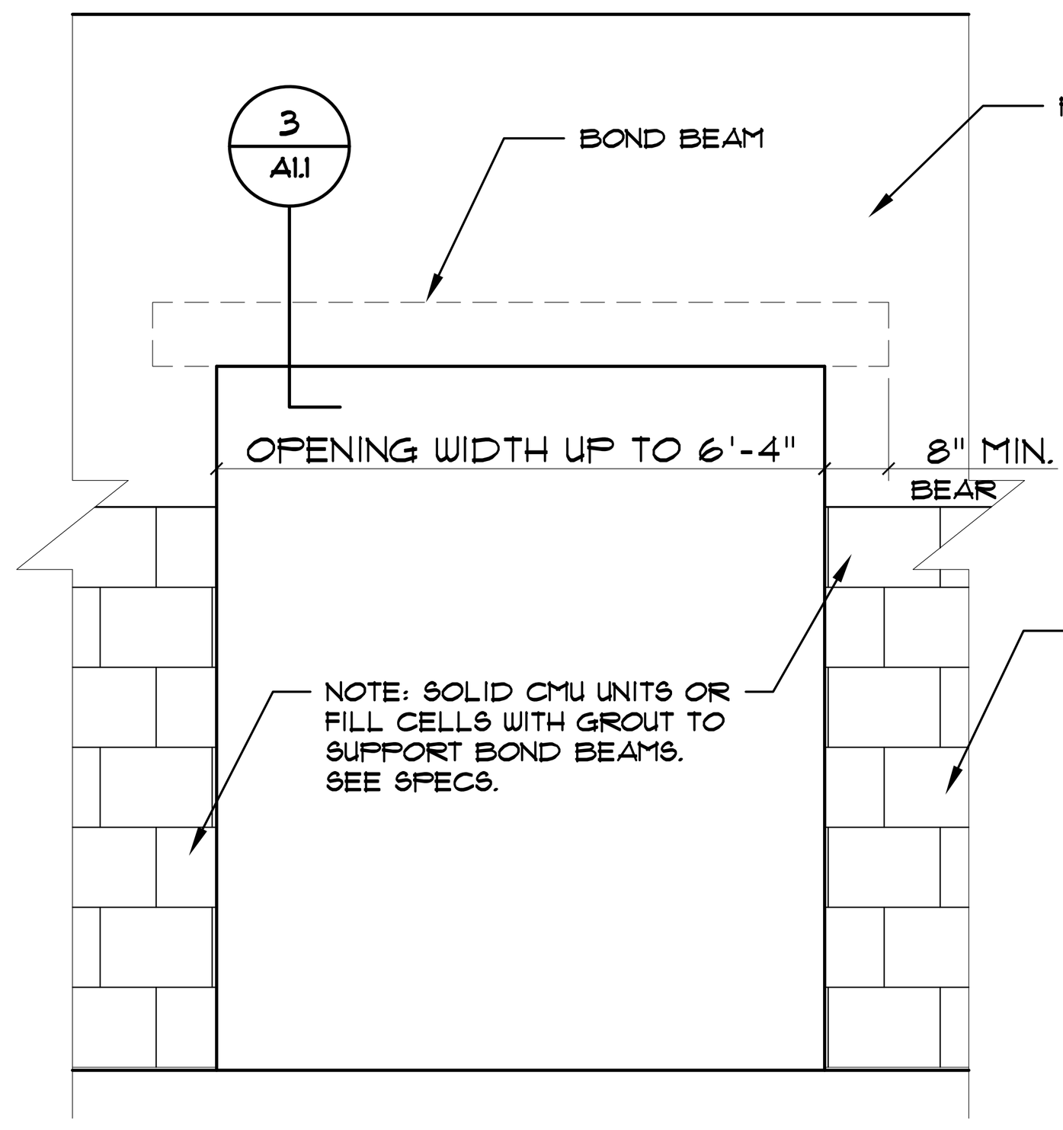
1. LOUVER PANELS TO BE INSTALLED WITHIN NEW CMU WALLS AT RESTROOM LOCATIONS. GC TO COORDINATE WITH MECHANICAL DRAWINGS TO VERIFY LOCATIONS.
2. BOND BEAM TO BE INSTALLED AT EVERY NEW OPENING. SEE DETAIL 2 & 3/A1.1

KEY NOTES:

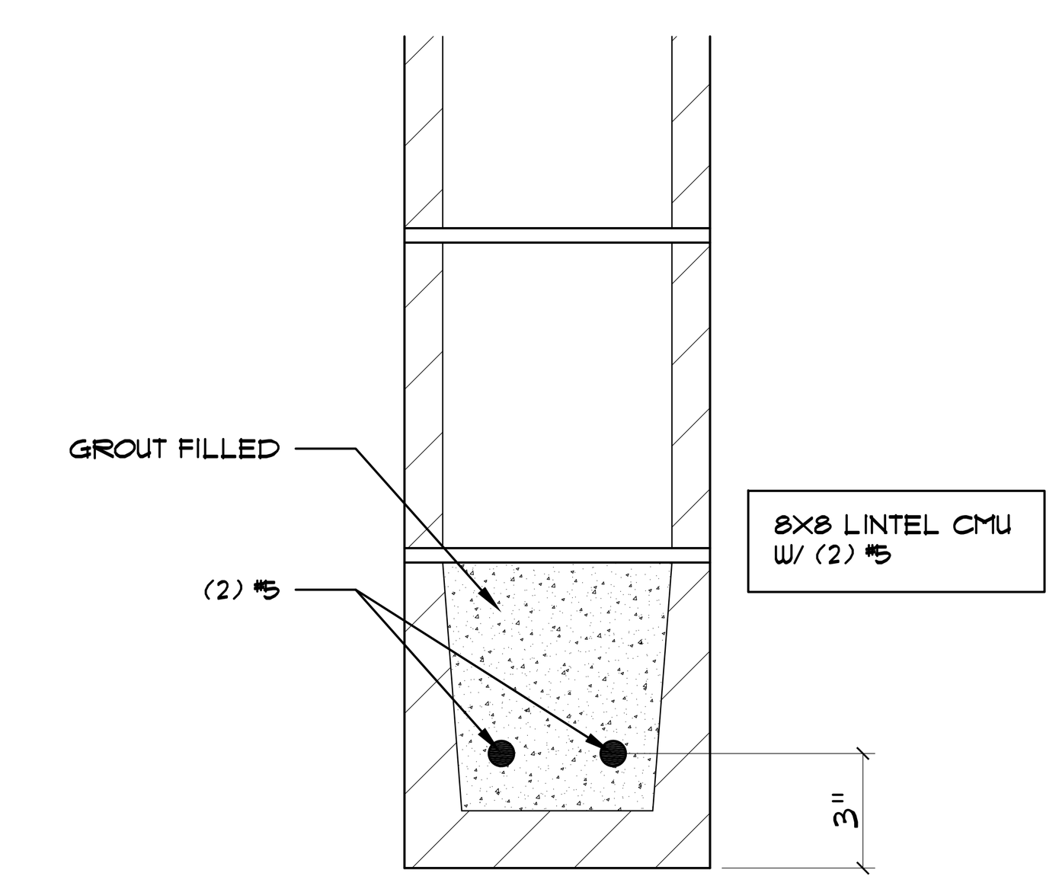
01	FLOOR MOUNTED JANITORS SINK. SEE PLUMBING DRAWINGS
02	6 HIGH, 12" DEEP MELAMINE SHELVES ON STANDARDS AND BRACKETS
03	WALL HUNG BABY CHANGING STATION. BASIS OF DESIGN: KOALA KARE PRODUCTS, KB200 HORIZONTAL WALL MOUNTED
04	GC TO INSTALL FROSTED FILM ON INTERIOR FACE OF GLASS.
05	GC TO INSTALL NEW WATER FOUNTAIN WITH BOTTLE FILLER. SEE PLUMBING DRAWINGS
06	ADA COMPLIANT "WOMENS" TOILET ROOM SIGN-MOUNT AT 60" TO C.L.
07	ADA COMPLIANT "MENS" TOILET ROOM SIGN-MOUNT AT 60" TO C.L.
08	ADA COMPLIANT "FAMILY" TOILET ROOM SIGN-MOUNT AT 60" TO C.L.
09	FILL IN CMU BLOCK WALL INCLUDING DOOR AND TRANSOM AREA.



1/A1.1 NEW FLOOR PLAN
SCALE: 1/4"=1'-0"



2/A1.1 TYP. BOND BEAM ABOVE NEW OPENING
SCALE: N.T.S



3/A1.1 TYP. BOND BEAM SECTION DETAIL
SCALE: N.T.S

WALL LEGEND

- TYPICAL NEW 8" CMU INTERIOR PARTITION. WALL HEIGHT - 11'-6"
- NEW DOOR AND MARK-SEE DOOR AND HARDWARE SCHEDULE.
- NEW WINDOW MARK-SEE WINDOW SCHEDULE.
- XFE — EXISTING SEMI-RECESSED 2A10BC FIRE EXTINGUISHER IN A CABINET.
- EP — NEW ELECTRICAL PANEL AND BREAKERS. SEE ELECTRICAL DWG'S FOR INFORMATION
- 1H — 1 HOUR RATED CMU FULL HEIGHT TO STRUCTURE ABOVE

ACCESSORY LEGEND

- A-1 TOILET PAPER DISPENSER
- A-2 GRAB BARS
- A-3 MIRROR
- A-4 PAPER TOWEL DISPENSER- PROVIDED AND INSTALLED BY OWNER

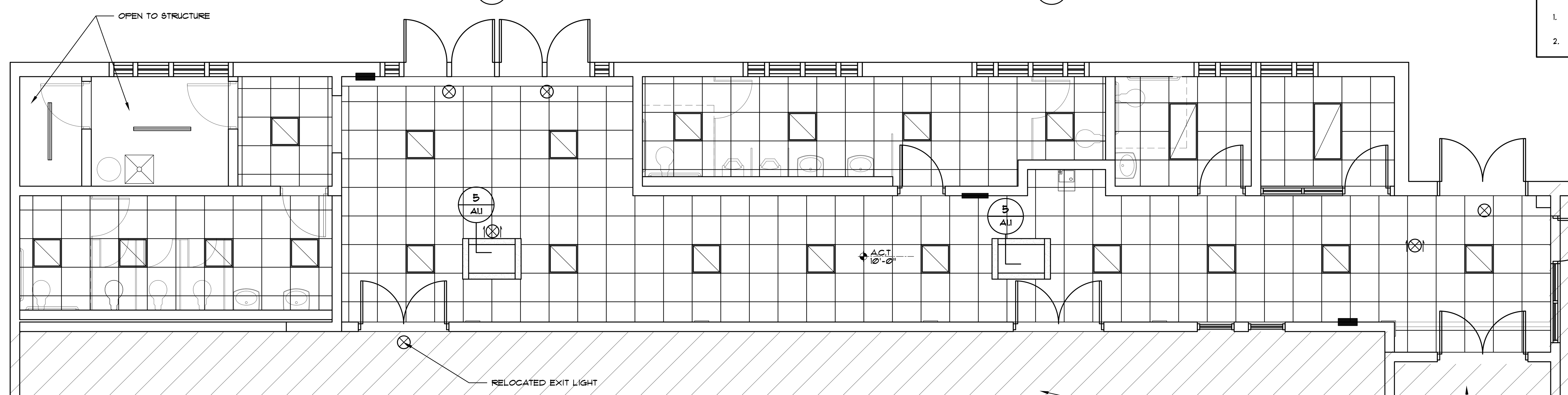
GENERAL CEILING PLAN NOTES:

1. ALL CEILING SYSTEMS TO BE A.C.T AND WILL BE INSTALLED AT 10'-6" AFF. UNLESS NOTED OTHERWISE
2. G.C. TO VERIFY MOUNTING CONDITIONS AND LOCATIONS FOR ALL LIGHT FIXTURES

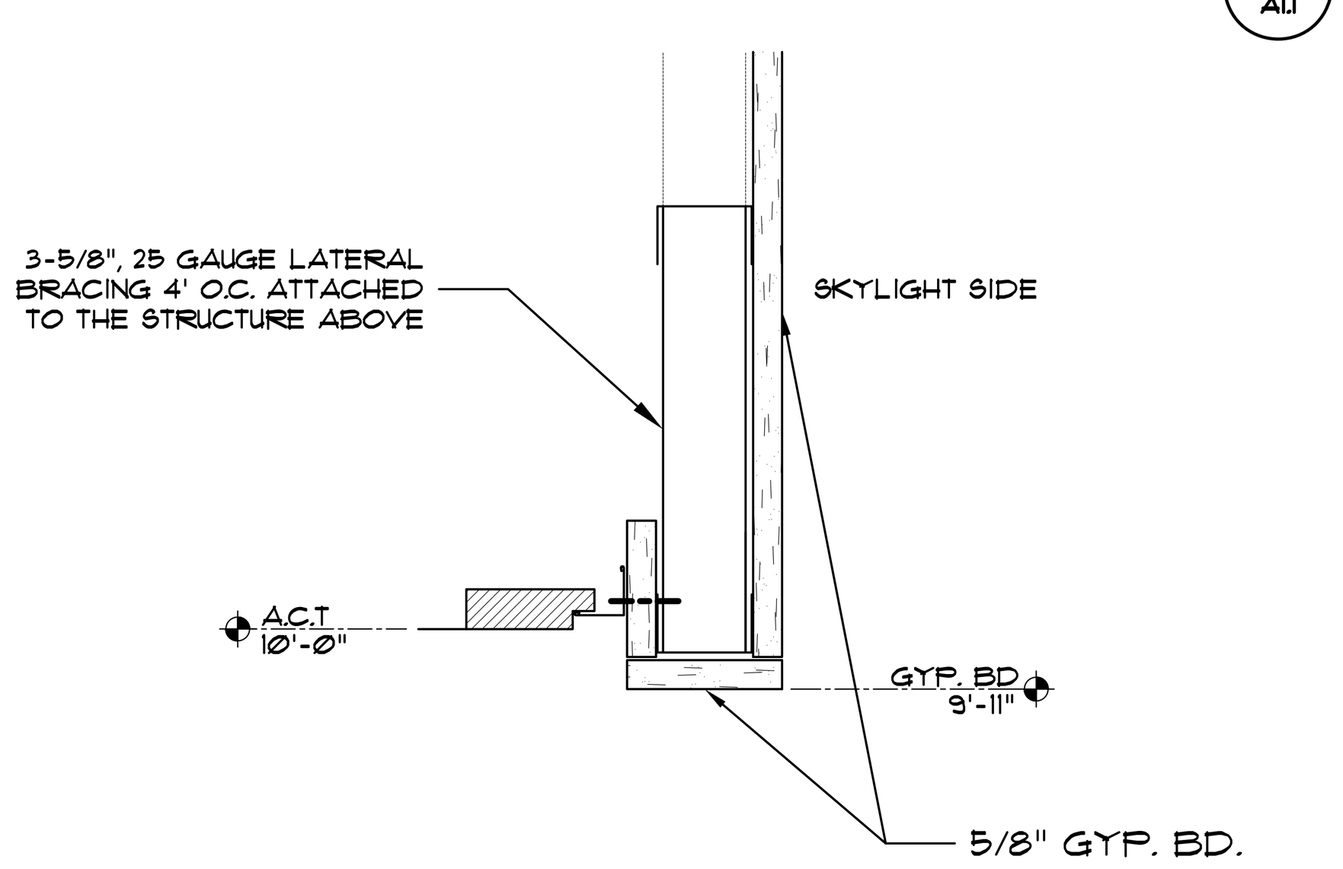
RCP LEGEND

- NEW 2x2 SUSPENDED CEILING GRID AND TILE AT 10'-6" AFF., U.N.O.
- 2X4 LED LAY-IN FIXT.- SEE ELECTRICAL
- 2X2 LED LAY-IN FIXT.- SEE ELECTRICAL
- 4' DOUBLE TUBE FLUORESCENT SHOP LIGHT - SEE ELECTRICAL.
- EXIT LIGHT- SEE ELECTRICAL

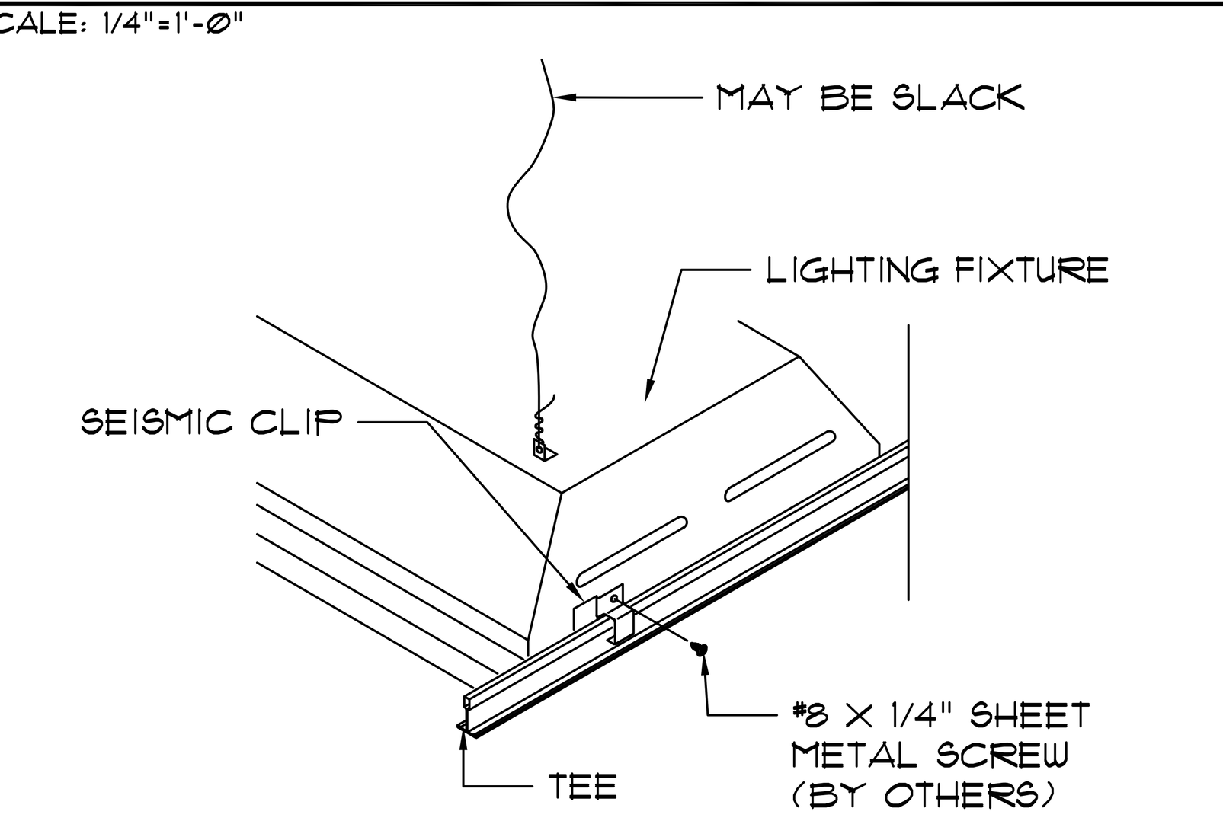
NOTE: CONTACT ALICIA MORIN, SESCO LIGHTING, 404-229-8689, FOR BASIS OF DESIGN AS LIGHTING DISTRIBUTOR.



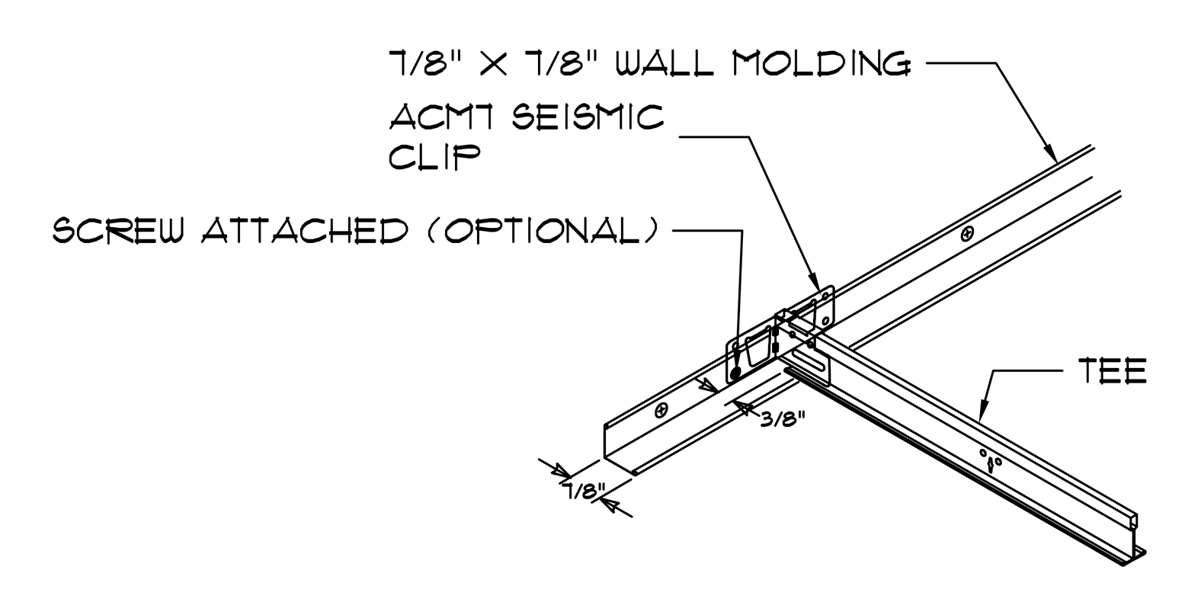
4/A1.1 NEW REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



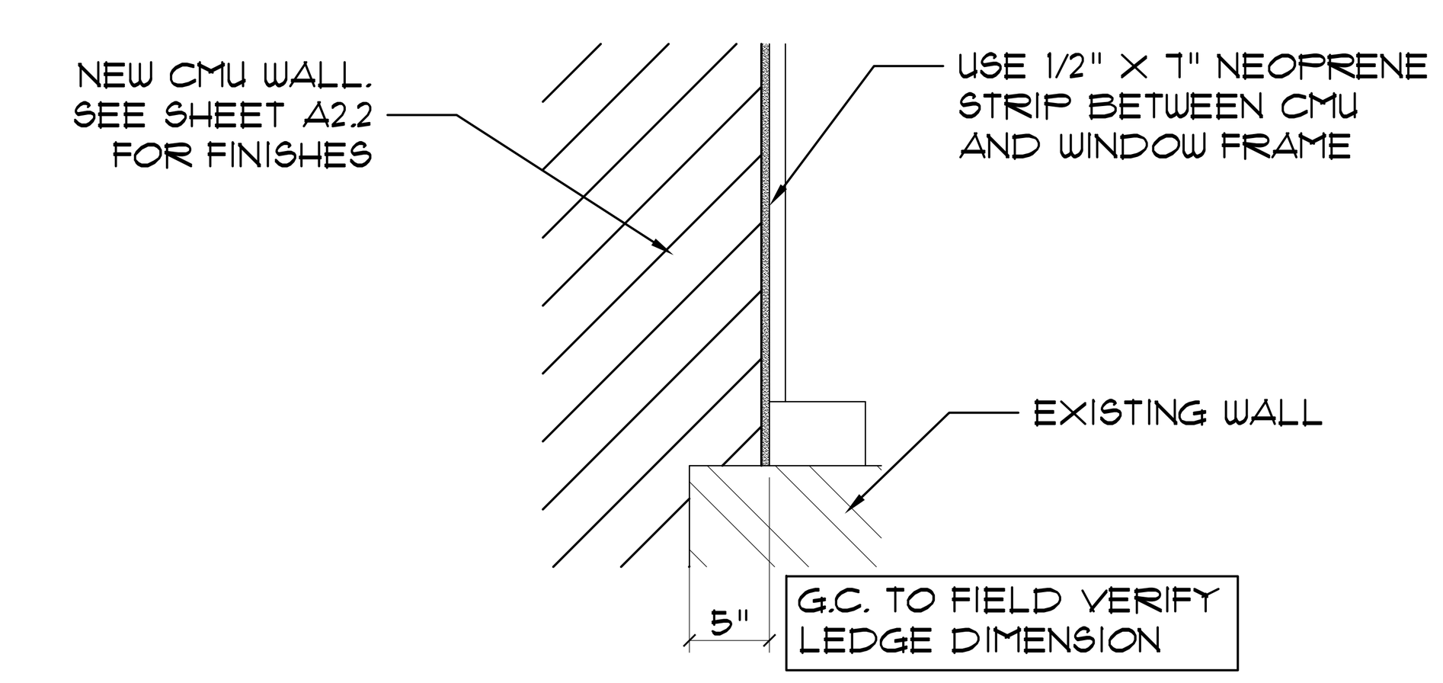
5/A1.1 GYP. BD. SOFFIT DETAIL
SCALE: N.T.S. @ SKYLIGHT LOCATIONS



6/A1.1 TYP. SEISMIC LIGHT FIXTURE MOUNTING DTL.
SCALE: N.T.S.



7/A1.1 TYP. SEISMIC CLNG. EDGE DTL
SCALE: N.T.S.



8/A1.1 WALL DTL
SCALE: N.T.S.

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JUNE, 2019

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LAWRENCEVILLE, GA 30046
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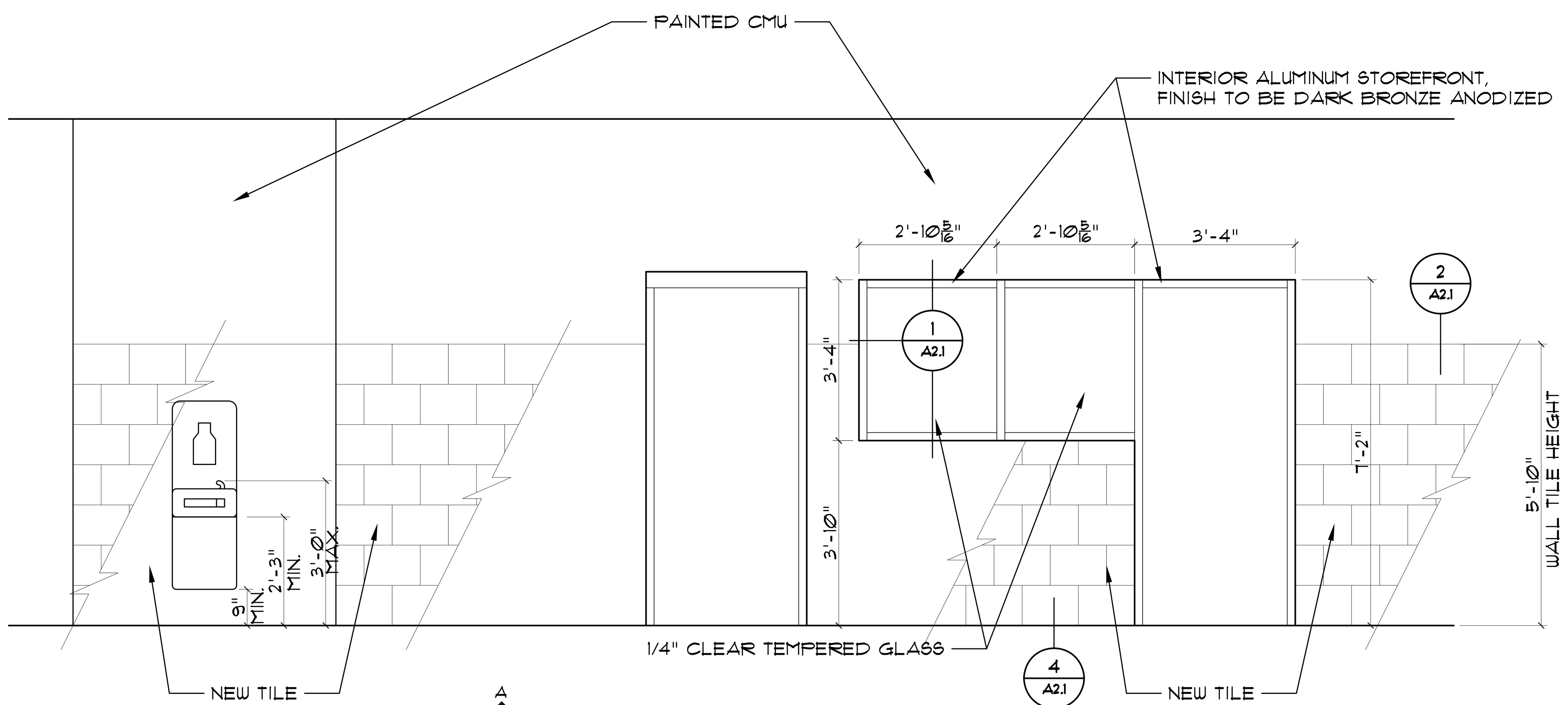
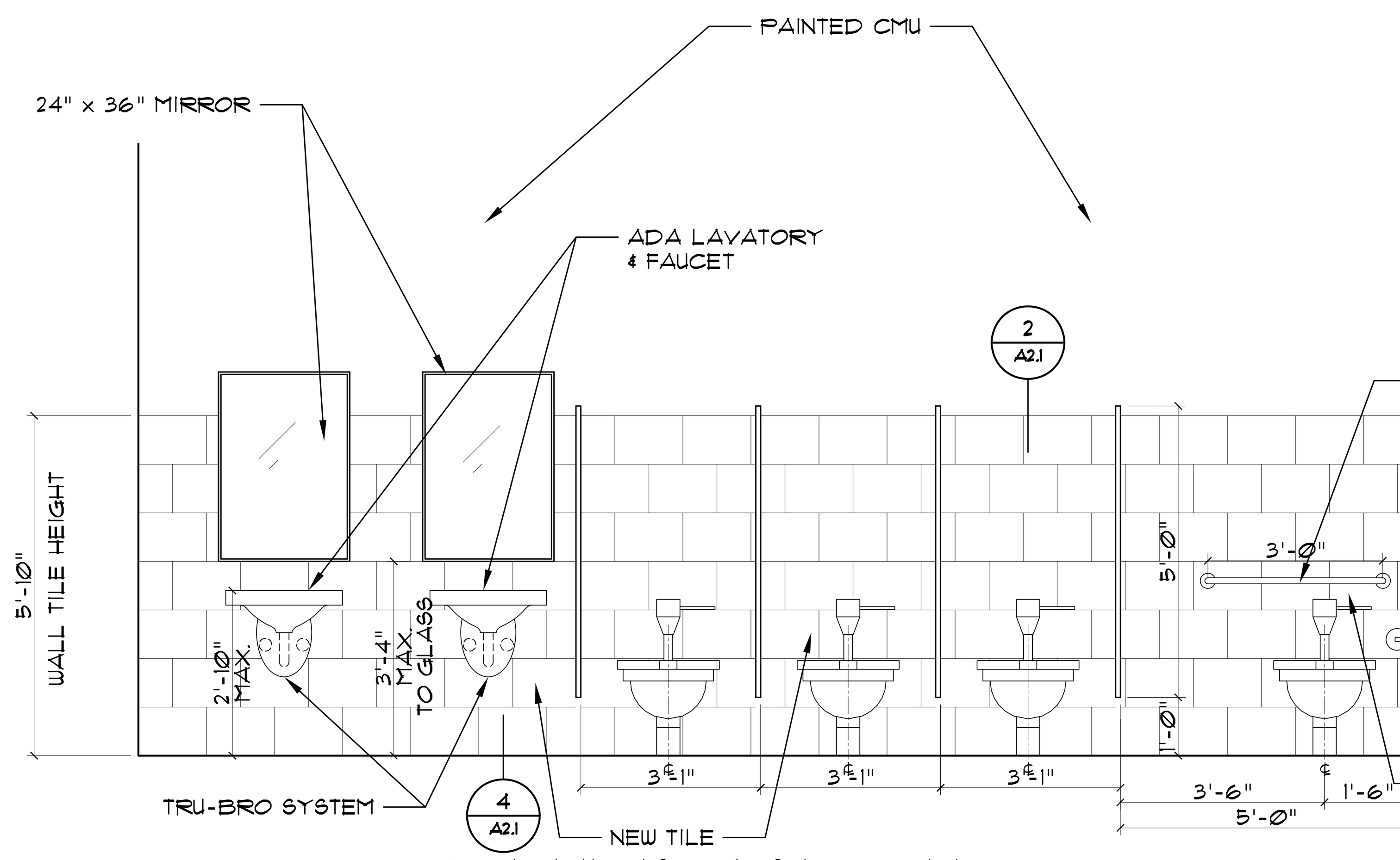
date	JUNE 2019
drawn	NT
chckd	SZ
proj#	2018-22

FLOOR PLAN & RCP

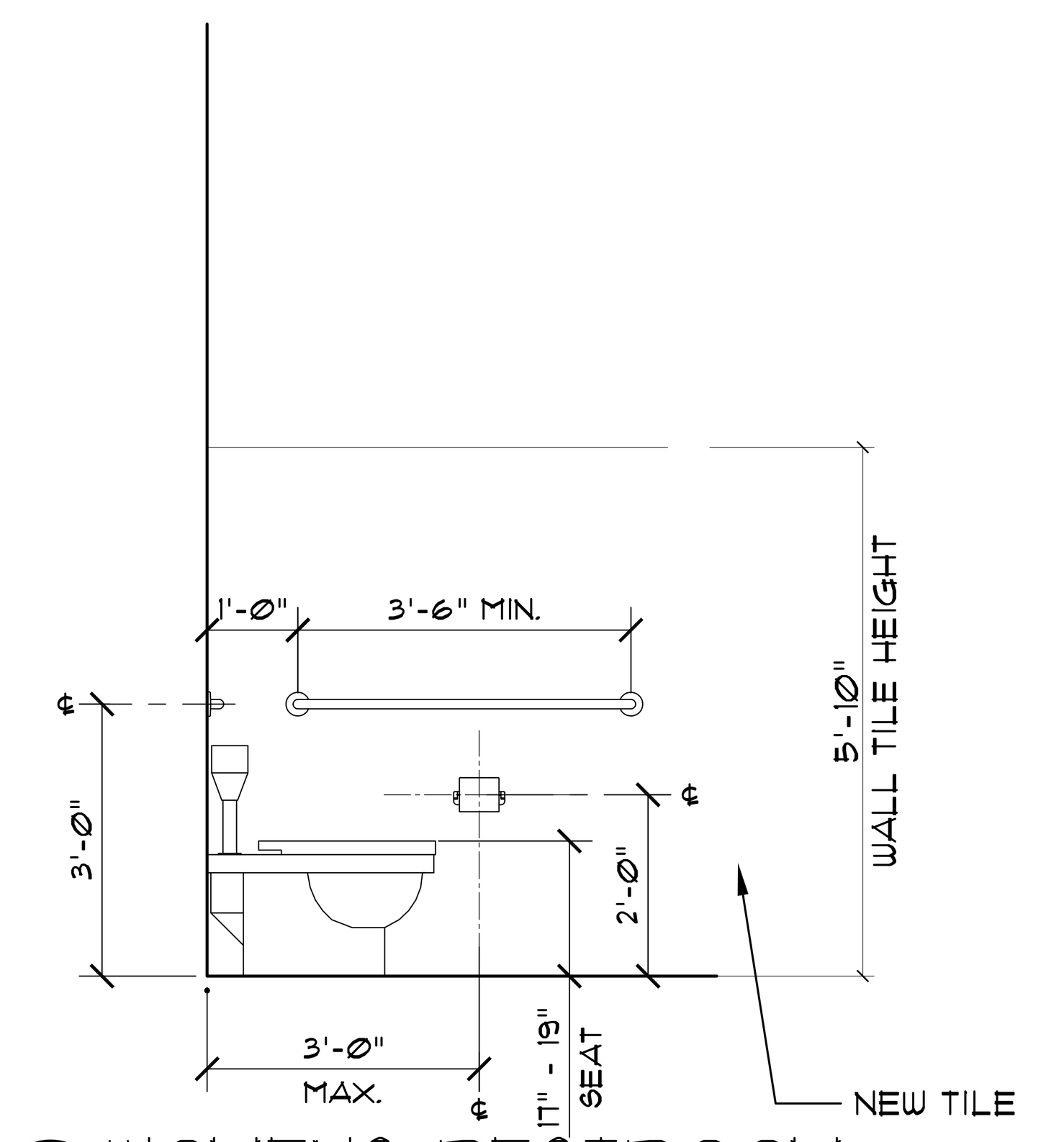
A1.1



100 A2.1 CORRIDOR
SCALE: 1/2"=1'-0"



104 A2.1 WOMENS RESTROOM
SCALE: 1/2"=1'-0"



104 A2.1 WOMENS RESTROOM
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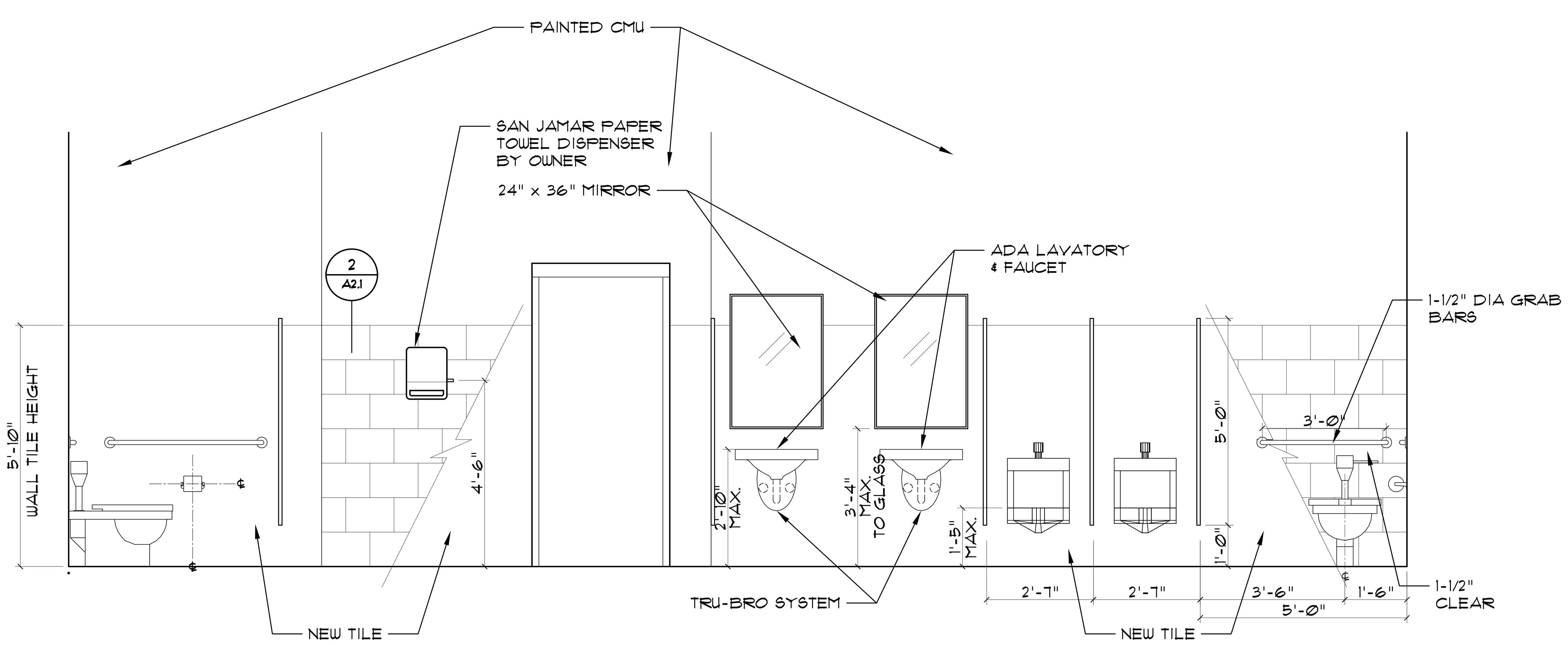
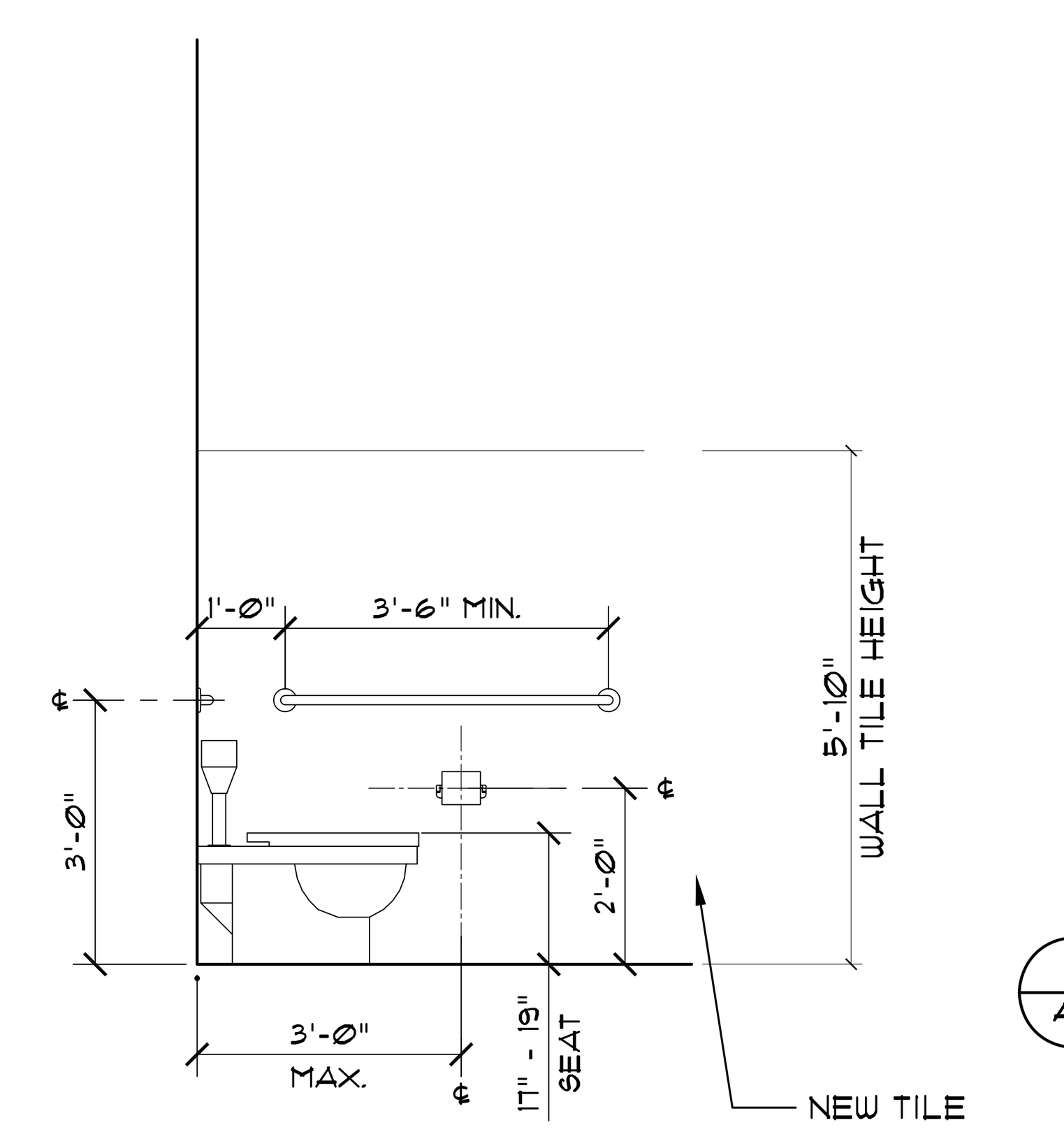
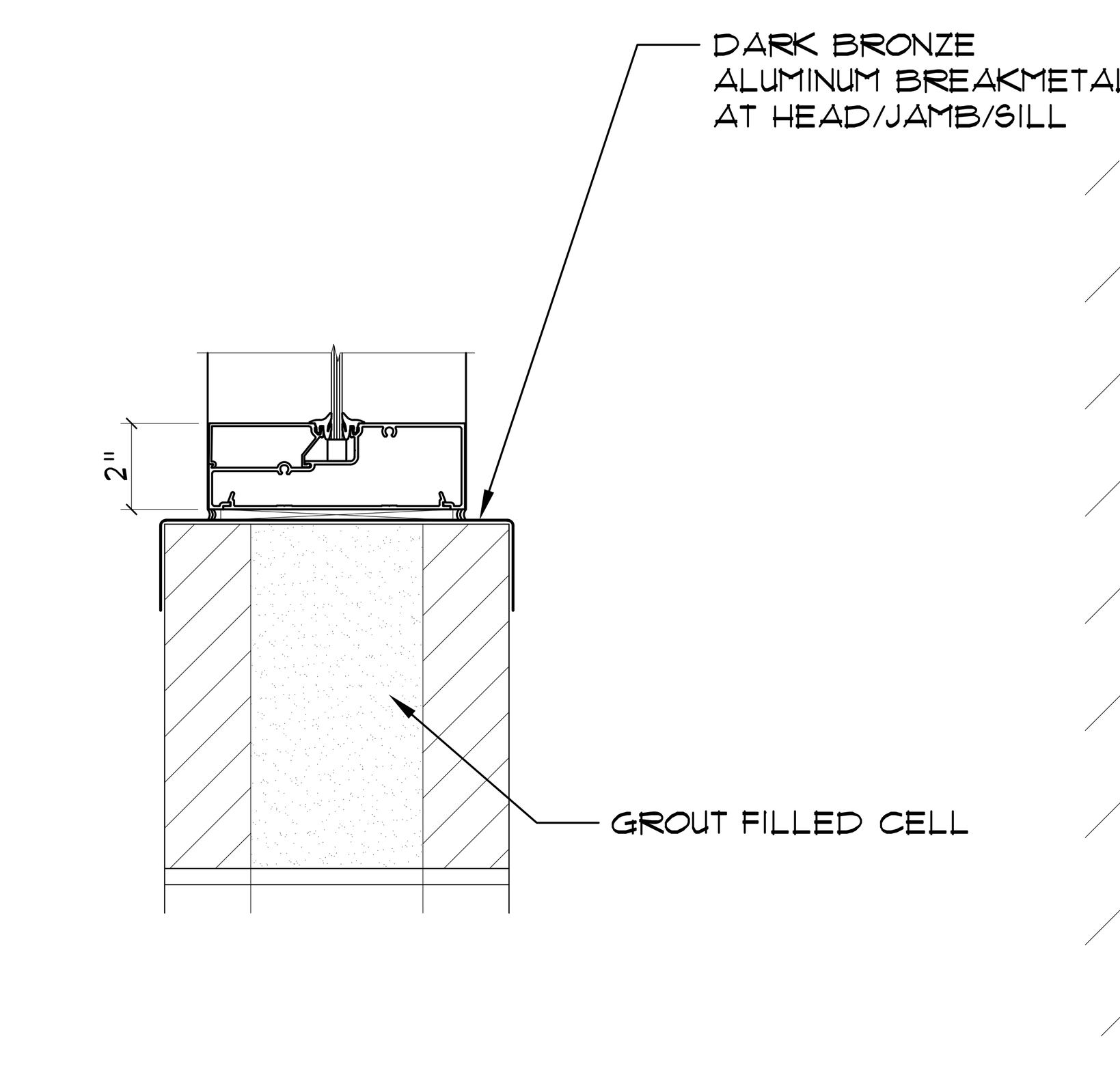


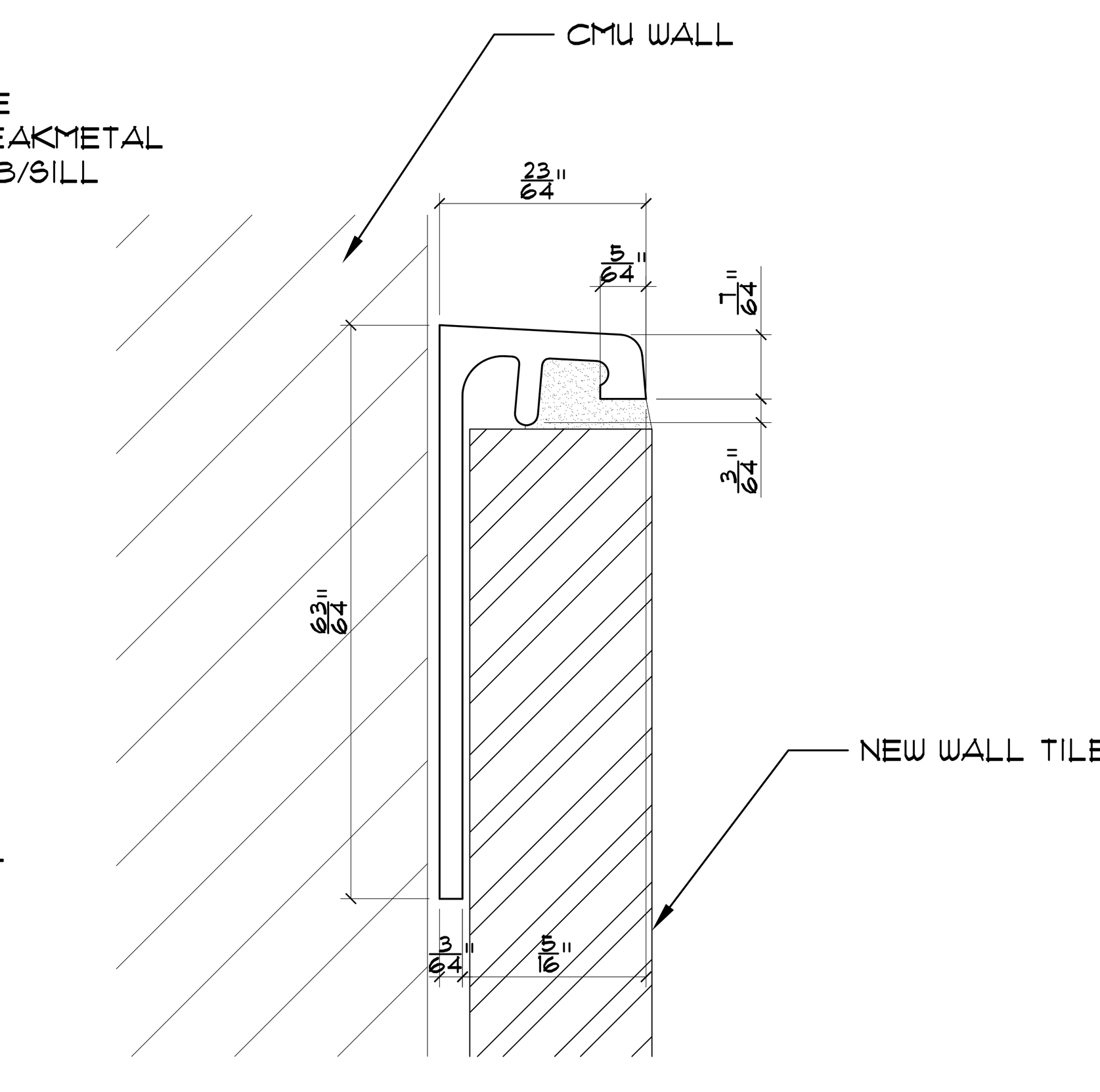
105 A2.1 MENS RESTROOM
SCALE: 1/2"=1'-0"



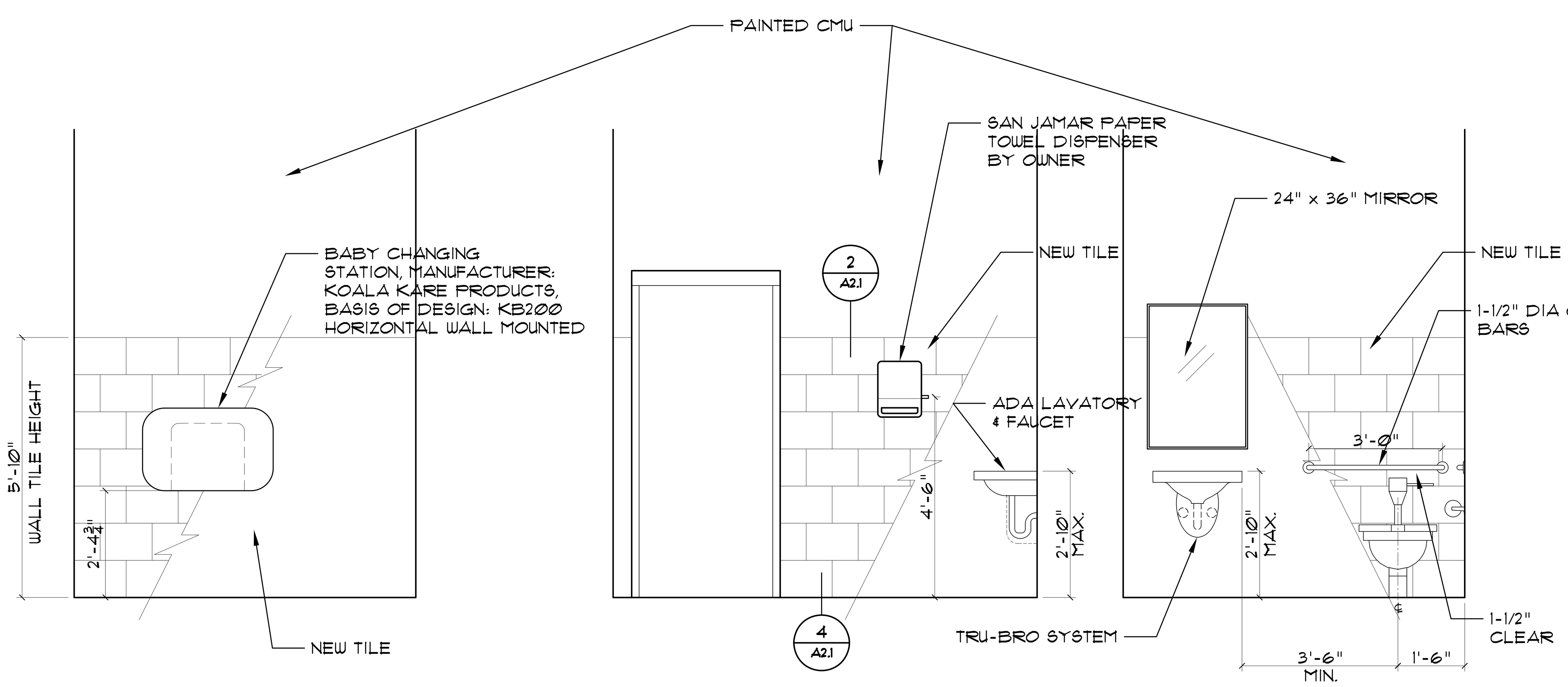
105 A2.1 MENS RESTROOM
SCALE: 1/2"=1'-0"



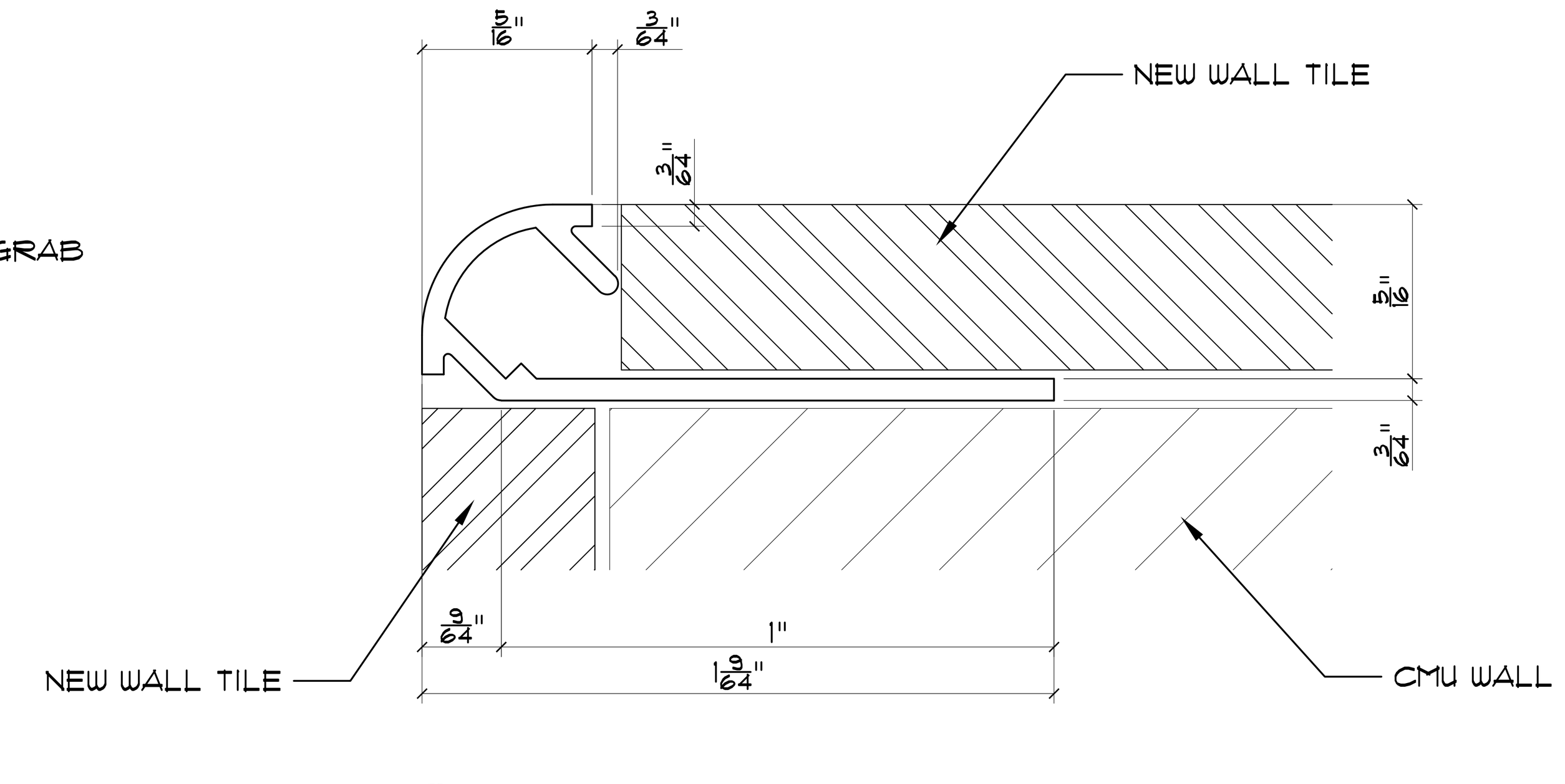
1 A2.1 HEAD/JAMB/SILL DETAIL
SCALE: N.T.S.



2 A2.1 SCHLUTER JOLLY DETAIL
SCALE: N.T.S. INSTALLED @ TOP EDGE OF NEW WALL TILE

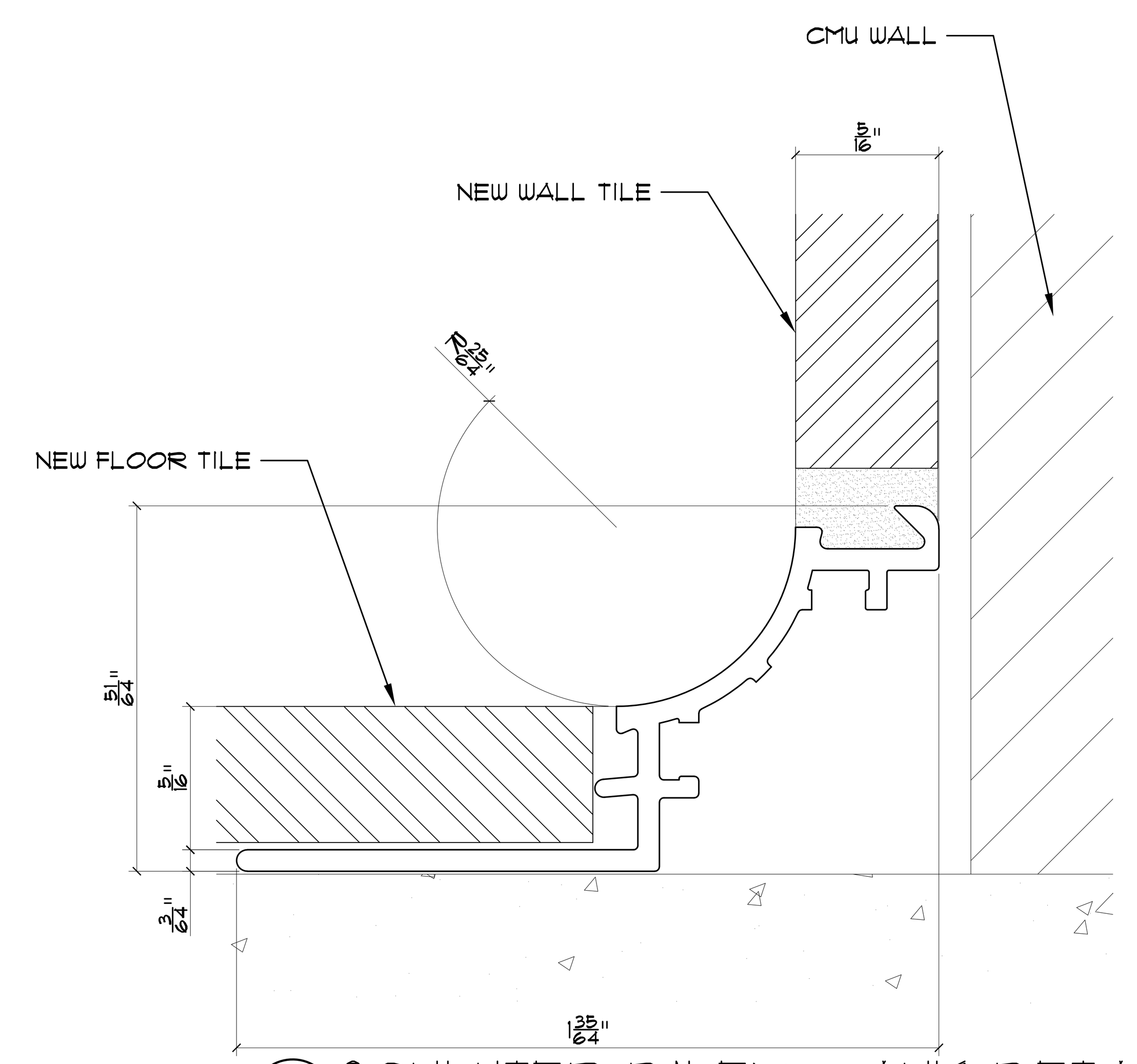


106 A2.1 106 A2.1 106 A2.1 FAMILY RESTROOM
SCALE: 1/2"=1'-0"



3 A2.1 SCHLUTER RONDEC DETAIL
SCALE: N.T.S. INSTALLED @ OUTSIDE CORNER OF NEW WALL TILE

SEE FINISH PLAN, SHEET A2.2 FOR LOCATIONS



4 A2.1 SCHLUTER DILEX - AHK DETAIL
SCALE: N.T.S. COVE BASE (INSTALLED WHERE REQUIRED)

SEE FINISH SCHEDULE, SHEET A2.2 FOR LOCATIONS

STATE OF GEORGIA
SCOTT P. ZANARDO
REGISTERED ARCHITECT

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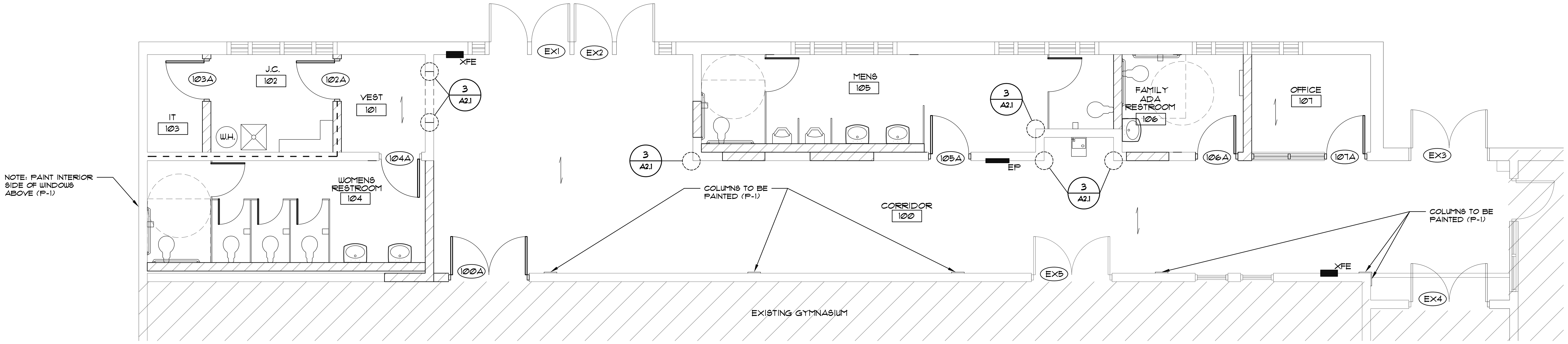
INTERIOR ELEVATIONS

A2.1



FINISH PLAN

1 A2.2 SCALE: 1/4"=1'-0"

ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOOR		WALLS		CEILING	MILLWORK		COMMENTS
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	CABINET	WORKSURFACE	
100	CORRIDOR	TILE-1	CB-1	CMU	TILE-3/P-1	GYP. BD.	--	--	NOTE 1
101	VESTIBULE	TILE-1	CB-1	CMU	TILE-3/P-1	ACT	--	--	NOTE 1
102	JANITORS CLOSET	SEALED CONC.	RB-1	CMU	P-1	--	--	--	
103	IT	SEALED CONC.	RB-1	CMU	P-1	--	--	--	
104	WOMENS RESTROOM	TILE-2	CB-1	CMU	TILE-3/P-1	ACT	--	--	NOTE 1
105	MENS RESTROOM	TILE-2	CB-1	CMU	TILE-3/P-1	ACT	--	--	NOTE 1
106	FAMILY RESTROOM	TILE-2	CB-1	CMU	TILE-3/P-1	ACT	--	--	NOTE 1
107	OFFICE	TILE-1	RB-1	CMU	P-1	ACT	--	--	NOTE 1

NOTE 1: WALL TILE (TILE-3) WILL BE INSTALLED TO APPROX. 5'-10" IN HEIGHT A.F.F. WITH EVEN COURSING.

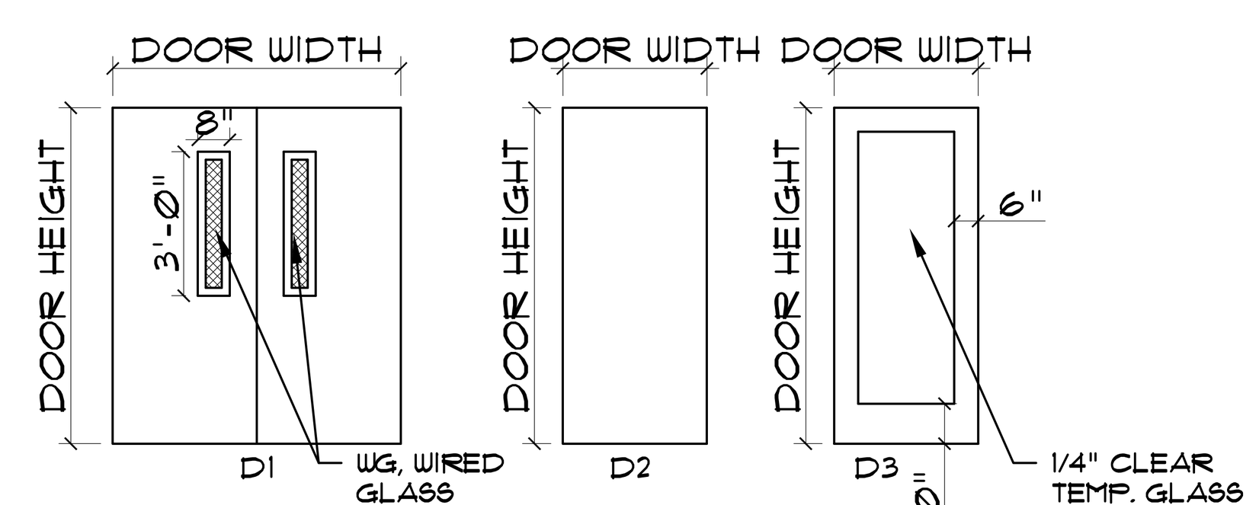
DOOR AND FRAME SCHEDULE

MARK	DOOR						FRAME			COMMENTS
	SIZE	THK	TYPE	LABEL	MATERIAL	FINISH	MATERIAL	FINISH	TYPE	
EX1	EXISTING	EX	EX		EXISTING HM/GLASS	PAINT	EXISTING HM	PAINT	EX	NOTE 1
EX2	EXISTING	EX	EX		EXISTING HM/GLASS	PAINT	EXISTING HM	PAINT	EX	NOTE 1
EX3	EXISTING	EX	EX		EXISTING HM/GLASS	PAINT	EXISTING HM	PAINT	EX	NOTE 1
EX4	EXISTING	EX	EX		EXISTING HM/GLASS	PAINT	EXISTING HM	PAINT	EX	NOTE 1
EX5	EXISTING	EX	EX		EXISTING HM/GLASS	PAINT	EXISTING HM	PAINT	EX	NOTE 1
100A	(2)3'-0" x 7'-0"	1-3/4"	D1		HM/GLASS	PAINT	HOLLOW METAL	PAINT	F1	NOTE 2
102A	3'-0" x 7'-0"	1-3/4"	D2	1 HR	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	F2	
103A	3'-0" x 7'-0"	1-3/4"	D2		HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	F2	
104A	3'-0" x 7'-0"	1-3/4"	D2		HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	F2	
105A	3'-0" x 7'-0"	1-3/4"	D2		HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	F2	
106A	3'-0" x 7'-0"	1-3/4"	D2		HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	F2	
107A	3'-0" x 7'-0"	1-3/4"	D3		ALUMINUM/GLASS	ANOD	ALUMINUM	ANOD	F3	NOTE 3

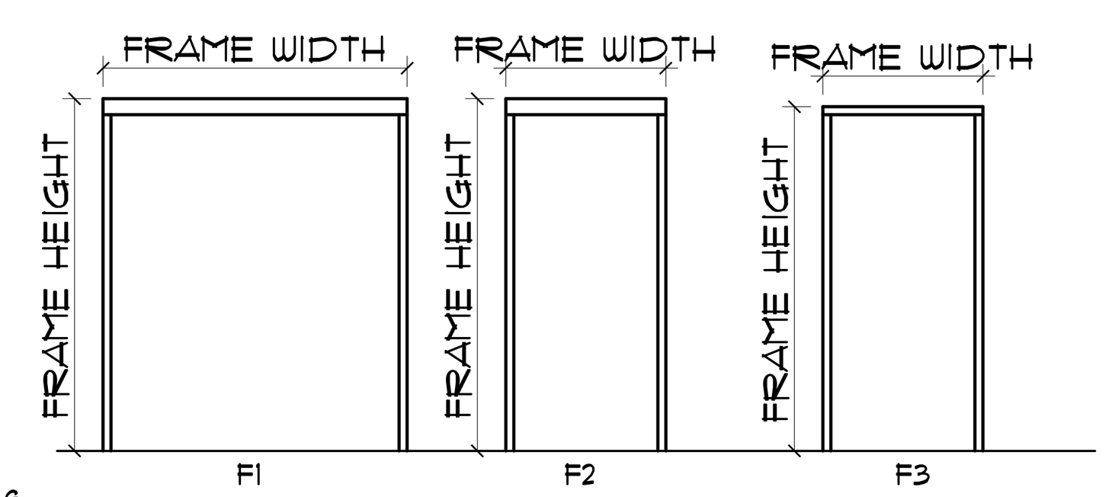
NOTE 1: INSIDE FACE (SIDE OF DOOR FACING MAIN CORRIDOR) OF EXISTING DOORS AND FRAMES ARE TO BE PAINTED (P-1) TO MATCH NEW DOORS AND FRAMES

NOTE 2: SIDE OF DOOR AND FRAMES FACING MAIN CORRIDOR TO BE PAINTED P-1. SIDE OF DOOR AND FRAMES FACING GYMNASIUM TO BE PAINTED DARK BROWN TO MATCH EXISTING DOOR AND FRAMES

NOTE 3: ALUMINUM DOOR AND FRAMES TO BE DARK BRONZE ANODIZE.



DOOR TYPES



FRAME TYPES

DOOR HARDWARE SCHEDULE

SET: 1.0
DOORS: 102A
DESCRIPTION: STOREROOM RATED

3	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	STOREROOM LOCK	28 7G04 LL	SA
1	DOOR CLOSER	1431 O	SA
1	KICKPLATE	K1050 10" X 2" LDW	RO
1	DOOR STOP	441H	RO
3	SILENCER	608	RO

SET: 2.0
DOORS: 103A
DESCRIPTION: STOREROOM

3	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	STOREROOM LOCK	28 7G04 LL	SA
1	DOOR STOP	441H	RO
3	SILENCER	608	RO

SET: 3.0
DOORS: 104A, 105A
DESCRIPTION: STOREROOM

3	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	PUSH PLATE	70C	RO
1	PULL PLATE	107 X 70C	RO
1	DOOR CLOSER	1431 O	SA
1	KICKPLATE	K1050 10" X 2" LDW	RO
1	DOOR STOP	441H	RO
3	SILENCER	608	RO

SET: 4.0
DOORS: 107A
DESCRIPTION: OFFICE

3	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	OFFICE LOCK	28 7G05 LL	SA
1	DOOR STOP	441H	RO

NOTE: ALL OTHER HARDWARE BY DOOR SUPPLIER

SET: 5.0
DOORS: 106A
DESCRIPTION: TOILET

3	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	PRIVACY SET	28 7U65 LL	SA
1	MOP PLATE	K1050 4" X 1" LDW 4BE CSK	RO
1	DOOR STOP	441H	RO
3	SILENCER	608	RO

SET: 6.0
DOORS: 100A
DESCRIPTION: STOREROOM

6	HINGE	TA2714 4-1/2" X 4-1/2"	MK
1	REMOVABLE MULLION	12-980	SA
1	EXIT DEVICE	8804 PTB	SA
1	EXIT DEVICE	8810 PTB	SA
2	DOOR CLOSER	1431 CPS	SA
2	KICKPLATE	K1050 10" X 2" LDW	RO
2	DOOR STOP	441H	RO
3	SILENCER	608	RO

NOTE: DOOR HARDWARE FINISH TO MATCH EXISTING

GENERAL DOOR NOTES

1. DOOR #102A, 103A, 106A, & 107A TO HAVE DOOR HARDWARE THAT IS LEVER-TYPE & ADA-COMPLIANT, AND MEETS GA ACCESSIBILITY CODE-REFER TO SPECIFICATIONS FOR INFORMATION AND HARDWARE SCHEDULE.
2. DOOR #104A & 105A TO HAVE PUSH/PULL DOOR HARDWARE
3. DOOR #100A TO HAVE LEVER -TYPE DOOR HARDWARE TO MATCH EXISTING ON PULL SIDE AND A PANIC DEVICE ON PUSH SIDE
4. EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE NFPA 101 LIFE-SAFETY CODE, CHAPTER 7, SEC. 7.2.1.5.1., 2009 EDITION.
5. REFER TO HARDWARE SCHEDULE.
6. ALL HARDWARE FINISH TO MATCH EXISTING.

FINISH LEGEND

FLOORING

TILE-1: DALTILE "LINDEN POINT" 12X24, COLOR BEIGE LP20, BRICK PATTERN, 1/8" EPOXY GROUT JOINTS. #382 BONE GROUT.

TILE 2: DALTILE "LINDEN POINT" 2X2, COLOR BEIGE LP20, MOSAIC.

THRESHOLD: AT DOOR OPENINGS WHERE 2 DIFFERENT TILES MEET USE 2" MARBLE THRESHOLD.

CB-1: COVE BASE, SCHLUTER "DILEX-AHKA", FINISH SATIN NICKEL ANODIZED ALUMINUM, WITH INSIDE, OUTSIDE AND CONNECTOR PIECES

RB-1: 4" RUBBER COVE BASE. ROPPE #632 FLAX

⟷ DENOTES DIRECTION OF FLOOR PATTERN

WALL FINISH

P-1: PPG 1024-4 MOTH GRAY, SEMI-GLOSS

TILE-3: DALTILE "LINDEN POINT" 10X14 WALL TILE, COLOR BIANCO LP19, HORIZONTAL BRICK PATTERN, 1/8" EPOXY GROUT JOINTS, #382 BONE.

MISCELLANEOUS:

- VERTICAL INSIDE TILE CORNERS TO BE CAULKED WITH SILICONE MATCHING GROUT COLOR.
- OUTSIDE CORNERS TO BE SCHLUTER "RONDEC", FINISH SATIN NICKEL ANODIZED ALUMINUM, WITH INSIDE, OUTSIDE AND CONNECTOR PIECES.
- TOP EDGE TO BE SCHLUTER "JOLLY", FINISH SATIN NICKEL ANODIZED ALUMINUM, WITH INSIDE, OUTSIDE AND CONNECTOR PIECES.
- REFER TO SPECS FOR ADDITIONAL NOTES.

FINISH NOTES

FLOORING NOTES:

1. THE INTENT OF THESE DOCUMENTS IS TO PROVIDE A COMPLETED PROJECT. ALL ROOMS ARE TO RECEIVE FINISHES AS NOTED. ALL UNFINISHED SURFACES RESULTING FROM OR AFFECTED BY CONSTRUCTION ARE TO BE FINISHED.
2. ALL FINISHES ARE TO BE FREE OF IMPERFECTIONS
3. ALL MATERIALS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
4. IN ROOMS WITH RUBBER BASE DESIGNATIONS, THE RUBBER BASE IS TO BE CONTINUOUS ALONG ALL WALLS
5. ALL SURFACES TO RECEIVE FLOORCOVERING SHALL BE SMOOTH, EVEN AND FREE OF DEFECTS. SURFACES SHALL BE PREPARED WITH FLOOR LEVELING MATERIAL AS REQUIRED.

MISC. NOTES:

1. ALL METAL DOORS & FRAMES: P-1
2. TREAT EXIST'G. GLAZED CMU TO RECEIVE TILE PER NOTES.

PREPARATION OF GLAZED CMU SURFACES AND TILE SETTING PRODUCTS

1. THOROUGHLY CLEAN EXISTING CMU GLAZED SURFACES PER MANUFACTURERS RECOMMENDATIONS TO PREPARE FOR BONDING AGENT.
2. APPLY "MBP MULTI-PURPOSE BONDING PRIMER BY CUSTOM BUILDING PRODUCTS."
3. THIN SET MORTAR TO BE: "PRO-LITE PREMIUM LARGE FORMAT TILE MORTAR, BY CUSTOM BUILDING PRODUCTS".
4. EPOXY GROUT TO BE: "CEG-LITE 100% SOLIDS COMMERCIAL EPOXY GROUT, BY CUSTOM BUILDING PRODUCTS".

STATE OF GEORGIA
SCOTT P. ZANARDO
CERTIFICATE NO. 4012
REGISTERED ARCHITECT

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FINISH SCHEDULE & DOOR SCHEDULE

A2.2

MECHANICAL SPECIFICATIONS

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, APPLICABLE INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR A FEE WILL BE CHARGED AT THE ADD-SERVICE RATE TO THE CONTRACTOR.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
7. UNLESS NOTED OTHERWISE, DISCONNECTS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
8. STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
12. DUCT: SUPPLY, RETURN, OA, TA, AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD.
13. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF THE FOIL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINTS SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER.
14. ALL DUCTWORK SHALL BE CONSTRUCTED BY THE LATEST GUIDELINES OF SMACNA . DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS . ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE $\frac{1}{2}$" AND ALL JOINTS SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".
15. FLEXIBLE DUCTWORK SHALL BE THE INSULATED TYPE (AS REQUIRED BY CODE) CLASS I AIR DUCT, UL 181 LISTED, THERMAFLEX OR EQUAL. DUCT SHALL BE SIZED AT 0.08"/100 FT STATIC PRESSURE DROP WHERE A SIZE IS NOT NOTED ON DRAWINGS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.
16. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH BALANCING DAMPERS.
17. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, R=4.2 PER INCH, MANVILLE LINACOUSTIC OR EQUAL. DUCT LINER SHALL MEET REQUIREMENTS OF NFPA 90A & 90B, FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50, MEET ASTM G-21 AND G-22, A MIN NOISE REDUCTION COEFFICIENT OF 0.70. LINE ALL DUCTWORK MIN, 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL EDGES, SEAMS, RIPS, TEARS, ETC COMPLETELY (NO OPENINGS ALLOWED) WITH MANUFACTURER RECOMMENDED SEALER. NOTE: LINER IS NOT A SUBSTITUTE FOR INSULATION UNLESS SPECIFICALLY NOTED TO BE.
18. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
19. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER.
20. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST AND RETURN AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS. SEE CONTROL NOTES FOR MAU-1. PROVIDE PRESSURE SENSORS IN SPACE AS REQUIRED TO MAINTAIN BUILDING PRESSURE.
21. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.
22. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
23. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
24. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.
25. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.
26. DURING CONSTRUCTION AND PRIOR TO OPERATING AIR EQUIPMENT PROVIDE 1" OR 2" PLEATED FILTERS IN UNITS. ALSO PROVIDE FILTER MEDIA AT RETURN DUCT INLET. AT TIME OF TEST AND BALANCE REMOVE FILTER MEDIA AND PLEATED FILTERS AND PROVIDE SCHEDULED/SPECIFIED FILTERS FOR UNITS.
27. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT. COORDINATE SIZE WITH EQUIPMENT SPECIFIED WHEN DOOR IS SERVES AS POINT OF REPLACEMENT FOR EQUIPMENT.
28. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.
29. ROUTE DUCT HIGH AS POSSIBLE UNDER JOIST/ROOF SUPPORT. ROUTE DUCT CROSSING ATTIC WALKWAYS AT MINIMUM 5.5 FT AFF.
30. FIRESTOPPING ALL PIPE AND DUCT PENETRATIONS OF FIRE AND OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO. CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/ STRIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
31. DAMAGED BUILDING COMPONENTS (CEILING GRID, CEILING TILES, WALL CEILINGS, LIGHT FIXTURES, ETC.) SHALL BE REPLACED TO AT LEAST THE QUALITY OF THE DAMAGED ITEM OR SURROUNDING AREA.
32. CONTROLS:
   - INTERLOCK EXHAUST FANS WITH LIGHT SWITCHES, EXCEPT WHERE THERMOSTAT IS SHOWN. THERMOSTATS SHALL ENERGIZE ASSOCIATED FAN UPON CALL FROM THERMOSTAT, AND DE-ENERGIZE WHEN THERMOSTAT IS SATISFIED.
   - MAU-1 SHALL BE CONTROLLED BY A PROGRAMMABLE THERMOSTAT. UNIT SHALL RUN DURING OPERATING HOURS AND PROVIDE MAKEUP AIR FOR FANS. UNITS SHALL HAVE A VFD TO MODULATE AIRFLOW TO MAINTAIN PRESSURE IN THE SPACE (CALCULATED BY TEST AND BALANCE).
   - PROVIDE KEYED METAL LOCKBOX FOR EACH THERMOSTAT (COORDINATE TYPE WITH OWNER).

HVAC LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCTWORK (POSITIVE PRESSURE)
		DUCTWORK (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR EXAMPLE)
10"Ø		DUCT SIZE IN INCHES (ROUND EXAMPLE)
T EF-1		THERMOSTAT (EQUIPMENT CONTROLLED)
		CONTROLLER
		TIME CLOCK
FD	FD	FIRE DAMPER
		DUCT MOUNTED SMOKE DETECTOR
		DUCT TRANSITION
U.C. 3/4"		DOOR UNDERCUT
D.G. 24"x24"		DOOR GRILLE
	MVD	MANUAL VOLUME DAMPER
M	MOD	MOTOR OPERATED DAMPER
		LINED DUCTWORK
		EQUIPMENT/PIPING ON ROOF
		EQUIPMENT/PIPING UNDER ROOF
1.7		RETURN AIR OPENING (SQFT FREE AREA)
	EF	EXHAUST FAN
	SF	SUPPLY FAN
	LP	LOW PRESSURE DUCT
	WL	WALL MOUNTED LOUVER/DAMPER
	UH	UNIT HEATER
	ADD	AIR DISTRIBUTION DEVICE
	DSS	DUCTLESS SPLIT SYSTEM - INDOOR UNIT
	DSHP	DUCTLESS SPLIT SYSTEM - HEAT PUMP
	T.T.S.	TIGHT TO UNDERSIDE OF STRUCTURE
	B.O.	BY OTHERS
	U.N.O.	UNLESS NOTED OTHERWISE
	VTR	VENT THRU ROOF
	A.F.F.	ABOVE FINISHED FLOOR
	OA	OUTSIDE AIR
	MC	MECHANICAL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	MFR	MANUFACTURER
	MTD	MOUNTED

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK		SERVICE	SUPPLY CFM	CAPACITY (BTU/HR)		SEER	ELECTRICAL DATA			BASIS OF DESIGN	NOTES
INDOOR (MBH, MOUNT)	OUTDOOR			COOLING	HEATING		MCA (AMPS)	MFS (AMPS)	VOLT/PH		
DSS-1 (09) CEILING MTD	DSHP-1 (09)	OFFICE	---	9,000	9,000	14	10.1	15	208/1	DAIKIN: 15 SERIES	①②③④⑤
DSS-2 (12) WALL MTD	DSCU-1 (12)	IT ROOM	---	12,000	---	14	13	15	208/1	DAIKIN: 15 SERIES	①②③④⑤

NOTES:

① PROVIDE A-CONTROL THREE-POLE DISCONNECT SWITCH FOR INTERIOR AND EXTERIOR UNITS; PROVIDE DISCONNECT FOR OUTDOOR UNIT. INDOOR UNITS POWERED FROM OUTDOOR UNIT.
② SEE ARCHITECTURE DRAWINGS FOR EXACT MOUNTING LOCATIONS.
③ PROVIDE CONDENSATE DRAIN PUMP ACCESSORY WHERE REQUIRED.
④ PROVIDE WIRED THERMOSTAT.
⑤ PROVIDE MODEL SHOWN OR MITSUBISHI, LG, FUJITSU, OR APPROVED EQUAL.

EXHAUST FAN SCHEDULE

Exhaust Fan — MARK: EF-1-7

MARK	Greenheck Model	Volume (CFM)	External SP / Total SP (in wg)	FRPM	Max Sound	Weight (Lb.)	Motor Information: Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
EF-1	CSP-A390	280	0.5 / 0.81	1350	48 dB	23	119W	115/60/1	OP	1350	1	
EF-2	CSP-A700	405	0.5 / 0.92	1100	41 dB	34	55W	115/60/1	OP	1100	1	
EF-3	CSP-A190	185/200	0.5 / 0.2	1400	34 dB	16	55W	115/60/1	OP	1400	1	NA
EF-4	CSP-A390	280	0.5 / 0.81	1350	48 dB	23	119W	115/60/1	OP	1350	1	NA
EF-5	CSP-A390	539	0.5 / 0.85	1100	40 dB	23	276W	115/60/1	OP	1100	1	
EF-6	CUE-141-A	2295	0.5 / 0.93	1725	67 dB	84	1	208/60/3	OP	1725	1	NA
EF-7	CSP-A290	74	0.5 / 0.85	1050	47 dB	23	69W	115/60/1	OP	1050	1	NA

ACCESSORIES:

1. BACKDRAFT DAMPER, GRAVITY OPERATED
2. BACKDRAFT DAMPER , MOTORIZED
3. BIRDSCREEN
4. DISCONNECT SWITCH, FACTORY MOUNTED
5. ROOF CURB, 12 INCH INSTALLED
6. ROOD CURB, 12 INCH, INSULATED, SLOPED TO MATCH ROOF
7. SOLID STATE SPEED CONTROL
8. UL-762, RESTAURANT EXHAUST
9. VIBRATION ISOLATION

ROOF HOOD SCHEDULE

MARK	SERVICE	SIZE	PRESSURE DROP IN.WC.	CFM	BASIS OF DESIGN MAKE & MODEL	ACCESSORIES
RH-1	EXHAUST	24	.007	787	GREENHECK GRSR	ALL
RH-2	EXHAUST	24	.005	685	GREENHECK GRSR	ALL

ACCESSORIES:

1. ALUMINUM BIRDSCREEN, INTERNAL, MILL FINISH.
2. ALUMINUM HOUSING W/ 1" HOOD INSULATION.
3. PROVIDE ROOF CURB W/ CURB CAP.
4. BACKDRAFT DAMPER, GRAVITY OPERATED
5. ROOF CURB, 12 INCH, INSULATED

ELECTRIC WALL HEATER SCHEDULE

MARK	KW	VOLTAGE/ PHASE	MOUNTING HEIGHT ①	DISCHARGE	SERVES	BASIS OF DESIGN MAKE & MODEL (submit alternates)	DISCONNECT PROVIDED AND WIRED BY	ACCESSORIES
EWH-1 & 5	0.75	120/1	7'-0"	HORIZONTAL	SEE PLANS	MARKEL 3320 SERIES	EC	1-4
EWH-2	2.25	208/1	7'-0"	HORIZONTAL	SEE PLANS	MARKEL 3320 SERIES	EC	1-4
EWH-3 & 4	1	120/1	7'-0"	HORIZONTAL	SEE PLANS	MARKEL 3320 SERIES	EC	1-4

① FROM FINISHED FLOOR TO BOTTOM OF HEATER, INCHES. COORDINATE WITH INSTALLATION INSTRUCTIONS.

ACCESSORIES:

1. AUTOMATIC LINEAR OVERHEAT CUTOUT FULL LENGTH OF HEAT ELEMENT.
2. WALL/CEILING MOUNTING BRACKET AND ALL MOUNTING HARDWARE.
3. PROVIDE INTEGRAL THERMOSTAT.
4. STEEL FINNED TUBULAR HEATING ELEMENT.

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	TYPE OF SERVICE	FACE SIZE	NECK SIZE	MAX ROOM NC	MAX SP (IN WG)	INTEGRAL DAMPER	BASIS OF DESIGN
A	SA	48"x24"	SEE PLANS	35	0.10	Y	TITUS: 132RS
B	SA	24"X24"	SEE PLANS	35	0.10	Y	TITUS: 300
C	TA	18"X10"	SEE PLANS	35	0.10	Y	TITUS: 350SF
D	EA	24"X24"	SEE PLANS	35	0.10	Y	TITUS: 300

① RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS NOTED OTHERWISE ON DRAWINGS.
② FINISH FOR ALL DEVICES SHALL BE NO. 26 WHITE, UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DRAWINGS
③ IN GENERAL, ADD 2" IN BOTH DIMENSIONS ON FACE SIZE FOR BORDER.
④ MFR SHALL BE AS ABOVE OR BY PRICE, KRUEGER, ANEMOSTAT, TUTTLE & BAILEY

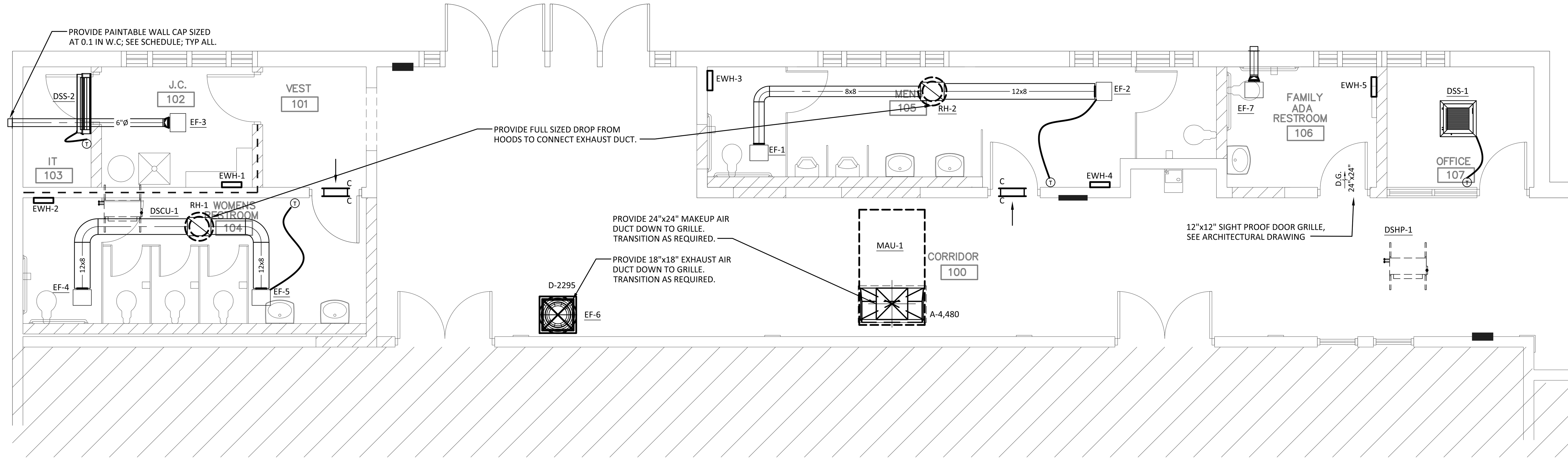
GAS FIRED MAKE-UP AIR UNIT SCHEDULE

TAG	MAKE & MODEL	AREA SERVED	BLOWER SECTION			GAS HEAT SECTION			V/C/P	ACCESSORIES
			C.F.M.	H.P.	E.S.P.	INPUT	OUTPUT	AFUE		
MAU-1	GREENHECK RV-45	PREP AREA	4480	3.0	0.5"	400	320	80%	208/60/3	1,2,3,4,5,6,7,8

ACCESSORIES:

1. PROVIDE WITH MATCHING ROOF CURB. COORDINATE STYLE AND CONSTRUCTION WITH ARCHITECTURAL PLANS.
2. 100% OUTDOOR AIR SCREENED INLET HOOD W/ WASHABLE FILTERS.
3. STAINLESS STEEL HEAT EXCHANGER AND STAINLESS STEEL DRIP PAN.
4. ELECTRONIC MODULATION 25%-100% TURNDOWN
5. INSULATED DOWNTURN PLENUM CABINET.
6. CONVIENIENCE OUTLET AND DISCONNECT.
7. AIR PROVING SWITCH, GAS PRESSURE SAFETY SWITCH, HIGH AMBIENT BURNER CUT-OFF.
8. PROVIDE THERMOSTAT, PRESSURE SENSOR, AND SUPPLY AIR TEMPERATURE SENSOR.

BASIS OF DESIGN: AS NOTED; EQUAL BY: MODINE, CAMBRIDGE, APPLIED AIR, OR APPROVED EQUAL.



1 FLOOR PLAN - MECHANICAL
1/4" = 1'-0"

PURSUIT ENGINEERING
678.948.6637
info@PursuitEngineering.com
416 Pirkle Ferry Rd
Suite K300
Cumming, GA 30040

ISSUE RECORD

date	issue
2/11/19	FOR CONSTRUCTION

DRAWING REVISION

no.	date	revision

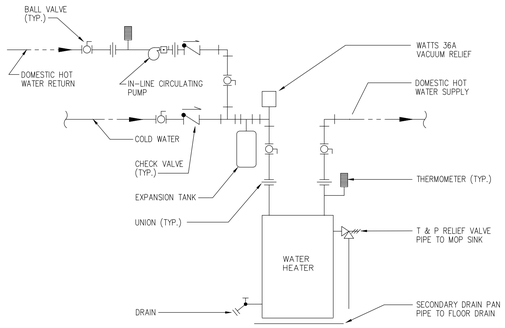
LYNWOOD RECREATION CENTER
ADA RESTROOMS RENOVATION
4360 OSBORNE ROAD NE
BROOKHAVEN, GA
JUNE, 2019

ZANARDO ARCHITECTS, P.C.
295 CULVER STREET SOUTH
SUITE C
LAWRENCEVILLE, GA 30046
770.806.1031

date JUNE,2019
drawn
chckd
proj# 2018–22

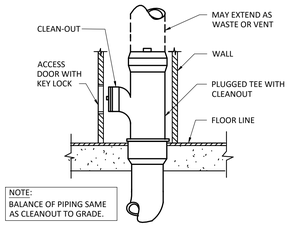
SPECIFICATIONS SCHEDULES & DETAILS - MECHANICAL

M2.00



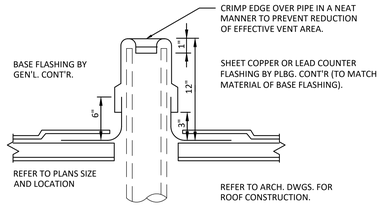
3 WATER HEATER DETAIL

NTS



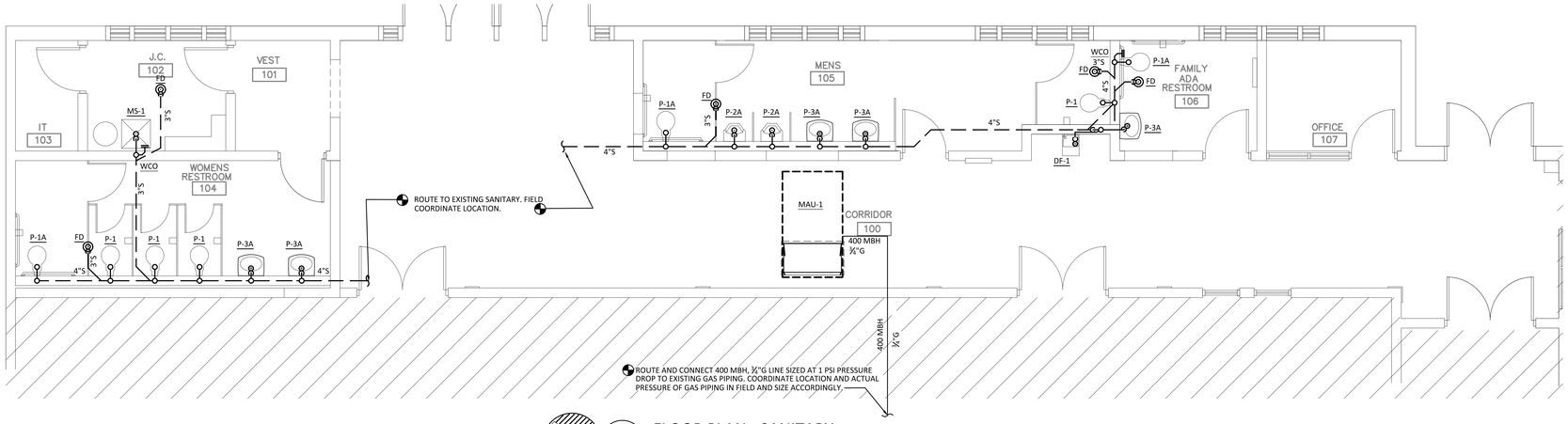
4 WALL CLEANOUT DETAIL

NTS



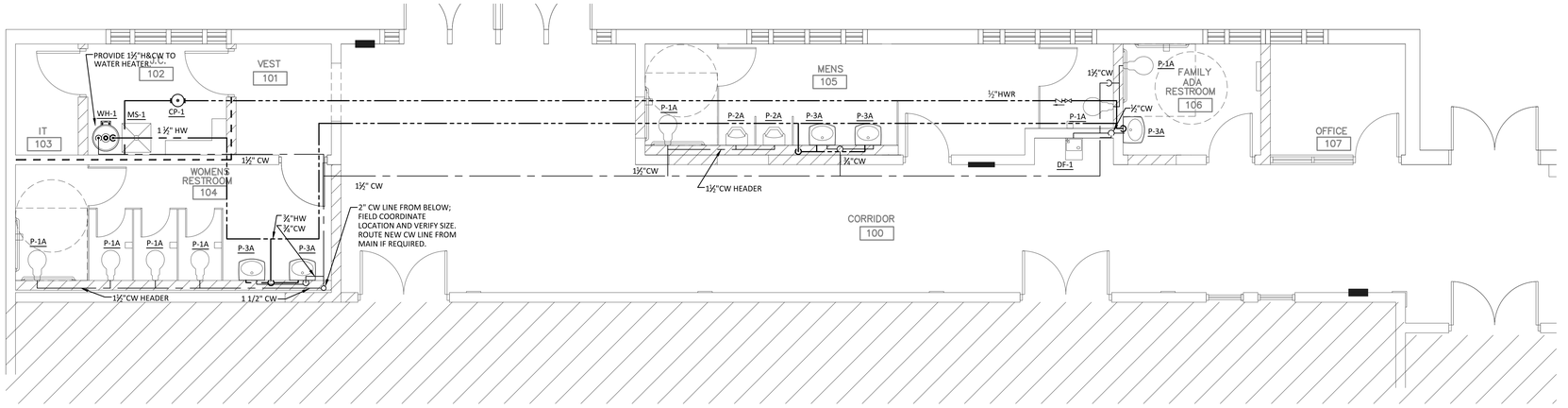
5 PLUMBING VENT THROUGH ROOF DETAIL

NTS



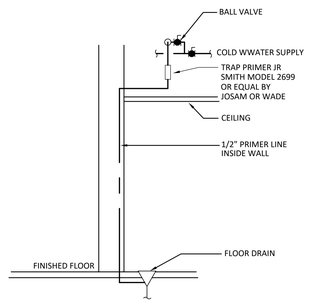
1 FLOOR PLAN - SANITARY

1/4" = 1'-0"



2 FLOOR PLAN - DOMESTIC

1/4" = 1'-0"



6 TYPICAL TRAP PRIMER DETAIL

NTS

PLUMBING SPECIFICATIONS

1. ALL PLUMBING EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL PLUMBING CODE, APPLICABLE INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPE SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. CHANGE ORDERS SHALL NOT BE PERMITTED FOR FAILURE TO EVALUATE EXISTING CONDITIONS PRIOR TO BID.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE PLUMBING WORK. ANY CABLE ROUTED IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
7. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
9. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE PLUMBING CONTRACTOR.
10. PRESSURE TEST ALL PIPING AFTER INSTALLATION. VALVE OFF ANY EQUIPMENT THAT MAY BE SUBJECT TO SEAL FAILURE DUE TO TESTING.
11. ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, COMMERCIAL GRADE PEX TYPE PIPING, OR CODE APPROVED ALTERNATVE. BELOW GROUND DOMESTIC WATER PIPING SHALL BE CODE APPROVED PVC.
12. ABOVE GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. BELOW GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. ALL PIPING IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
13. DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH 1" ARMSTRONG ARAMFLEX INSULATION, DOMESTIC COLD WATER WITH ½" ARMAFLEX. INSTALL INSULATION IN STRICT ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
14. PROVIDE ASSE 1070 MIXING VALVE AT EACH HAND SINK.
15. THE ENTIRE DOMESTIC WATER PLUMBING SYSTEM SHALL BE TESTED TO A PRESSURE OF 125 PSI FOR 6 HOURS OR AS REQUIRED BY LOCAL CODE. THE SANITARY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH STATE AND LOCAL CODES WHERE REQUIRED. SUBMIT CERTIFIED TEST REPORT TO ARCHITECT FOR APPROVAL. ALL INSPECTIONS, TESTS, SURVEYS, AND ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
16. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
17. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE PLUMBING WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
18. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
19. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM AS WELL AS ACCESS TO VALVES WHERE REQUIRED.
20. PROVIDE WATER HAMMER ARRESTORS AT THE EACH END OF EACH DOMESTIC RUN OF PIPING.
21. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL DRAWINGS. KEEP VENTS A MINIMUM OF 10'-0" FROM BUILDING INTAKES.
22. COORDINATE WATER METERS WITH CIVIL ENGINEER AND CITY WATER AHJ. THIS CONTRACTOR SHALL PAY FOR METER UNLESS COORDINATED OTHERWISE.
23. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.
24. ENSURE ALL PLUMBING SYSTEMS ARE IN GOOD WORKING ORDER.

LEGEND - PLUMBING

SYMBOLS	ABBRV.	DESCRIPTION
	OW	OILY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING ABOVE FLOOR OR GRADE
	V	VENT PIPING
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RECIRCULATE
	VTR	SANITARY VENT THROUGH ROOF
	FD	FLOOR DRAIN (-1 = TYPE)
	HD	HUB DRAIN
	CO / WCO	CLEANOUT / WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	GCO	GRADE CLEANOUT
	HB	HOSE BIBB OR DRAIN VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	WHA	WATER HAMMER ARRESTOR (P.D.I SIZE)
	BFP	BACKFLOW PREVENTER ASSEMBLY
	RPZ	REDUCED PRESSURE ZONE (BFP)
	PRV	PRESSURE REDUCING VALVE
	T & P	TEMPERATURE AND PRESSUER RELIEF VALVE
	TP	TRAP PRIMER
		CONNECT TO EXISTING
P-1		PLUMBING FIXTURE DESIGNATION
1		REFER TO PLUMBING KEYNOTES
		CONTINUE TO DESIGNATED LOCATION
	A.F.G.	ABOVE FINISHED GRADE
	B.F.F.	BELOW FINISHED FLOOR
	B.F.G.	BELOW FINISHED GRADE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	A.F.F.	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION
	GW	GREASE WASTE
	GV	GREASE VENT

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	SPECIFICATION
P-1A	WATER CLOSET - ADA	1"	N/A	3"	2"	AMERICAN STANDARD FLOOR MTD 1.28 GPF TOILET WITH EXPOSED MANUAL FLUSH VALVE SYSTEM, MODEL 3463.001 W/ MANUAL FLUSH VALVE. PROVIDE ADA COMPLIANT INSTALLATION.
P-1	WATER CLOSET	1/2"	N/A	3"	2"	AMERICAN STANDARD FLOOR MTD 1.28 GPF TOILET WITH EXPOSED MANUAL FLUSH VALVE SYSTEM, MODEL 3463.001 W/ MANUAL FLUSH VALVE. PROVIDE ADA COMPLIANT INSTALLATION.
P-2A	URINAL - ADA	3/4"	N/A	2"	2"	AMERICAN STANDARD WASHBROOK 6590.501, ¾" TOP SPUD, WITH SLOAN MODEL 8110 MANUAL FLUSH VALVE, 0.5GPF, AND WALL MTD. CARRIER. COORDINATE MOUNTING HEIGHTS WITH ARCHITECT.
P-3A	LAVATORY - ADA - WALL MTD.	1/2"	1/2"	1-1/2"	2"	AMERICAN STANDARD LUCERNE MODEL 0355.012 WALL MTD, 0.5 GPM, GRID STRAINER 1-1/4" X 1-1/2" P-TRAP, INSUL. KIT & SUPPLY STOPS. AND OFFSET P-TRAP, DELTA FAUCET 2529LF-LGHDF. PROVIDE ASSE 1070 MIXING VALVE. PROVIDE ADA COMPLIANT INSTALLATION.
MS-1	MOP SINK	3/4"	3/4"	2"	2"	WILLIAMS SB-901 RECEPTOR W/ T-10-VB (VAC. BRK.) FAUCET, TILING FLANGE, HOSE THREAD SPOUT W/ BUCKET HOOK, 8" ON CENTER, W/ OPTION T-40 MOP HANGER & SPLASH CATCHER PANELS
DF-1	DRINKING FOUNTAIN - ADA	1/2"	N/A	1-1/4"	2"	ELKAY EZH20 BOTTLE FILLING STATION. MODEL LZS8WS, 8GPH OF 50F DRINKING WATER.
FD	FLOOR DRAIN	N/A	N/A	3"	2"	JR SMITH 2005-A-8-P050 WITH 6" TYPE A ROUND ADJUSTABLE STRAINER WITH SATIN NICKEL BRONZE FINISH. PROVIDE WITH VANDAL PROOF SECURED TOP AND TRAP PRIMER

NOTES: PROVIDE MODEL SHOWN OR APPROVED EQUAL. ALL PLUMBING FIXTURES SHALL COMPLY WITH THE 2012 IPC WITH GA AMENDMENTS.
COORDINATE ALL FIXTURES WITH ARCHITECT AND OWNER BEFORE PURCHASING.

ELECTRIC WATER HEATER SCHEDULE

TAG	TANK (GAL)	NO. OF ELEMENTS	KW EACH	V/Ø	FLA	RECOVERY (GPH)	TEMP. RISE (°F)	SUPPLY (°F)	MANUF. & MODEL NO.
WH-1	20	1	4	208/1	---	23	70°	120°	AO SMITH: DEL ①

NOTES: UNIT SHALL HAVE HEAT TRAP; EFFICIENCY SHALL MEET OR EXCEED ASHRAE 90.1. PROVIDE MODEL SHOWN OR RHEEM, BRADFORD WHITE, OR APPROVED EQUAL. PROVIDE WALL MOUNT FOR WATER HEATER, SIZED FOR TANK PROVIDED.

① PROVIDE ASSE COMPLIANT MIXING VALVE AT ALL FIXTURES WHERE REQUIRED BY CODE.

HOT WATER CIRCULATING PUMP SCHEDULE

TAG	SERVICE	TYPE	LOCATION	HEAD (FEET)	GPM	MOTOR			BASIS OF DESIGN	NOTES
						HP	RPM	VOLTS/PH		
CP-1	DOMESTIC HOT WATER	CLOSE-COUPLED IN-LINE	JANITOR'S CLOSET	10	3	1/25	3,250	115/1	TACO MODEL 007	1 2 3 4

NOTES:
1. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. MOTOR SHALL BE PREMIUM EFFICIENCY.
3. PUMP SHALL BE CERTIFIED FOR USE IN POTABLE WATER SYSTEM.
4. PROVIDE PROGRAMMABLE TIMECLOCK IN MECH RM FOR PUMP OPERATION. COORDINATE OPERATION TIMES WITH OWNER.

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drawn
chckd
proj# 2018–22

SPECIFICATIONS
SCHEDULES & DETAILS
- PLUMBING

P2.00

ELECTRICAL GENERAL NOTES AND SPECIFICATIONS:

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2017 NATIONAL ELECTRICAL CODE (NEC) WITH GEORGIA AMENDMENTS (IF APPLICABLE).
2. THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
3. COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
4. ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
5. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
6. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
7. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.
8. ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
9. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
10. THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
11. PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPACES AND SPARES PER NEC 408.4.
12. ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER NEC 410.
13. ALL PENETRATIONS THROUGH FIRE WALL AND FLOORS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1479 OR ASTM E814 FIRE RATING IN ACCORDANCE WITH NEC ARTICLE 300.21.
14. MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
15. ALL BRANCH CIRCUITS SHALL BE WIRED 2#12, 1#12G, 1/2"C. MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM 3/4" CONDUIT.
16. UNLESS NOTED OTHERWISE, MULTIWIRE BRANCH CIRCUITS MAY BE USED WHERE APPLICABLE FOR THE SAME LOAD TYPE UTILIZING A COMMON NEUTRAL FOR UP TO THREE (3) CIRCUITS OF A DIFFERENT PHASE EXCEPT FOR CIRCUITS RATED MORE THAN 20 AMPS, MULTI-PHASE CIRCUITS, CIRCUITS DEDICATED TO COMPUTER EQUIPMENT AND CIRCUITS SERVING ONLY ONE OUTLET OR DEVICE. OVERCURRENT PROTECTION SHALL COMPLY WITH NEC 210.4.
17. PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
18. ALL SWITCHES FOR LIGHTS, FANS, ETC., WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
19. ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY (WHERE ACCEPTABLE BY AHJ) AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
20. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVERPLATES SHALL BE AS SELECTED BY ARCHITECT.
21. LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY APPROVED EQUAL FIXTURES ACCEPTABLE.
22. FLUORESCENT BALLASTS SHALL BE ELECTRONIC WITH A MAXIMUM OF 10% THD AND AS MANUFACTURED BY ADVANCE, OSRAM/SYLVANIA, GE/MAGNETEK, OR MOTOROLA.
23. ALL CONDUCTORS SHALL BE COPPER <u>UNLESS NOTED OTHERWISE ON PLANS</u>. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THWN" OR "THHN/THWN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
24. ALL BOXES SHALL BE PRESSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE. PROVIDE WITH STAINLESS STEEL COVER PLATES.
25. ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK, JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
26. RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR LEVITON. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

    SINGLE RECEPTACLE #HBL5361X
    DUPLEX RECEPTACLE #HBL5352X
    GFCI RECEPTACLE #GF5352X

27. SWITCHES SHALL BE 120/277V, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR EAGLE. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

    SINGLE POLE #HBL1221X
    THREE WAY #HBL1223X
    FOUR WAY #HBL1224X
    (ADD "L" SUFFIX FOR KEYED LOCKING TYPE)

28. PANELBOARDS, MOTOR STARTERS, SAFETY SWITCHES (HEAVY DUTY), ETC. SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMENS, OR CUTLER HAMMER. ALL BREAKERS SHALL BE "BOLT-ON" TYPE.
29. FUSED DISCONNECT SWITCHES SHALL HAVE REJECTION TYPE FUSE CLIPS WITH DUAL ELEMENT CURRENT LIMITING FUSES AT RATINGS SHOWN ON PLANS. THE UL SHORT CIRCUIT RATING SHALL BE 200,000 AMPS RMS SYS. USE CLASS J FUSES FOR 1 TO 600 AMPS AND CLASS L FUSES ABOVE 600 AMPS.
30. FOR EQUIPMENT THAT IS TO BE WIRED BY ELECTRICAL CONTRACTOR AND FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN.

32. ALL ABANDONED WIRE SHALL BE REMOVED.
33. WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVE, NEW OR RELATED WALL OPENING, ETC.) RESULTS IN THE REMOVALS, REFEEDING, OR RELOCATION OF LIGHTING FIXTURES OR ELECTRICAL DEVICES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
34. WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINUITY OF EXISTING RECEPTACLES/LIGHTS, AND NO RECONNECTION IS SHOWN, RECONNECT TO ITS EXISTING CIRCUIT.
35. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION.
36. CONTRACTOR SHALL INSTALL CONDUCTORS SIZED FOR VOLTAGE DROP BASED ON TOTAL DEVELOPED LENGTH OF CIRCUIT. VOLTAGE DROP SHALL NOT EXCEED 3%.
37. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE SIDE TO THE NEXT STUD SPACE.
38. ALL CEILING MOUNTED RECEPTACLES AND VOICE/DATA OR CATV OUTLETS ARE <u>NOT</u> TO BE SUPPORTED BY THE CEILING TILES. THE OUTLET BOXES SHOULD HAVE VERTICAL AND HORIZONTAL SUPPORT FROM THE STRUCTURE ABOVE.
39. ALL MATERIALS WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX SPEED OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.
40. COORDINATE SETTINGS OF OCCUPANCY SENSORS WITH OWNER PRIOR TO PROJECT COMPLETION.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD. WITH ARCH.)
	LED LIGHT FIXTURE	
	EMERGENCY EGRESS LIGHT FIXTURE	
	CONDUIT RUN CONCEALED IN WALL OR CEILING (IF POSSIBLE). IF CONDUIT IS REQUIRED TO BE EXPOSED, ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE.	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CIRCUITS HOMERUN TO THE PANEL	
	NUMBER OF CONDUCTORS (GROUND NOT SHOWN)	
	FLEXIBLE CONDUIT OR CORD	
	PLYWOOD BACKBOARD	
	DUPLEX RECEPTACLE – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
or GFI	GFCI DUPLEX RECEPTACLE <u>OR</u> RECEPTACLE CONNECTED TO GFCI BREAKER (IF SHOWN IN PB SCHEDS) – WALL MTD	18" UNO
	OUTLET ABOVE THE COUNTER OR OUTLET MOUNTED ABOVE NORMAL MOUNTING HEIGHT	6" AC UNO/AS NOTED
	QUADRUPLEX RECEPTACLE – WALL MOUNTED	18" UNO
	VOICE AND DATA OUTLET – WALL MOUNTED	18" UNO
J	JUNCTION BOX	
J	JUNCTION BOX – WALL MOUNTED	
	SPST SWITCH – WALL MOUNTED	48"
3	3-WAY SWITCH – WALL MOUNTED	48"
K	KEYED SWITCH – WALL MOUNTED	48"
OS	WALL MOUNTED OCCUPANCY SENSOR (SINGLE RELAY) – WATTSTOPPER PW-100 OR EQUAL	48"
OS	CEILING MOUNTED OCCUPANCY SENSOR – WATTSTOPPER DT-300 OR EQUAL	48"
PP	OCCUPANCY SENSOR POWER PACK	48"
	120/208 VOLT PANELBOARD OR DISTRIBUTION PANEL – FLUSH OR SURFACE MOUNTED AS INDICATED IN SCHEDULE	48"
	DISCONNECT (FRAME AND POLES TO MATCH OCP OR AS NOTED)	48"
	FIRE ALARM PULL STATION – WALL MOUNTED	48"
	FIRE ALARM ADA APPROVED AUDIO/VISUAL (SEE FA SYSTEM INSTALLER'S PLANS FOR CANDELA RATING)	80"
	FIRE ALARM ADA APPROVED VISUAL ONLY (SEE FA SYSTEM INSTALLER'S PLANS FOR CANDELA RATING)	80"
	FIRE ALARM PULL STATION AT 48" AND AUDIO/VISUAL AT 80" AFF	
D D	SMOKE DETECTOR – CEILING MOUNTED / WALL MOUNTED	
D	DUCT MOUNTED SMOKE DETECTOR	
H H	HEAT DETECTOR – CEILING MOUNTED / WALL MOUNTED	
AC	ABOVE COUNTER	48"
AFF	ABOVE FINISHED FLOOR	48"
E / R	EXISTING / RELOCATED	48"
EC / MC / PC	ELECTRICAL CONTRACTOR / MECHANICAL CONTRACTOR / PLUMBING CONTRACTOR	
NL	NIGHT LIGHT (ON 24 HRS A DAY)	
UNO	UNLESS NOTED OTHERWISE	
WP	WEATHER PROOF	

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drawn JCP
chckd JBH
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ELECTRICAL GENERAL NOTES AND LEGEND

E2.00

GENERAL NOTES (APPLY TO THIS SHEET ONLY):

1. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE SIDE TO THE NEXT STUD SPACE.
2. VOICE/DATA AND CATV OUTLETS SHOWN BESIDE RECEPTACLE OUTLETS ARE TO BE MOUNTED AT SAME HEIGHT AS RECEPTACLE OUTLET.
3. COORDINATE MOUNTING HEIGHTS OF ALL OUTLETS SHOWN MOUNTED ABOVE NORMAL MOUNTING HEIGHT WITH COUNTERTOPS AND/OR OWNER/ARCHITECT PRIOR TO ROUGH–IN.
4. COORDINATE/CONFIRM EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES SHOWN ON THIS SHEET WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
5. COORDINATE WITH OWNER WHICH LIGHT FIXTURES (IF ANY) THEY DESIRE TO BE NIGHT LIGHTS (ON 24/7). WIRE THESE LIGHTS TO UNSWITCHED "HOT".
6. ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
7. REPLACE ALL EXISTING TO REMAIN ELECTRICAL DEVICES WITH NEW DEVICES AND COVERPLATES.
8. REPLACE ALL EXISTING TO REMAIN FA DEVICES WITH NEW DEVICES AND COVERPLATES.

VOICE/DATA, SOUND, CATV, AND SECURITY SYSTEMS NOTE:

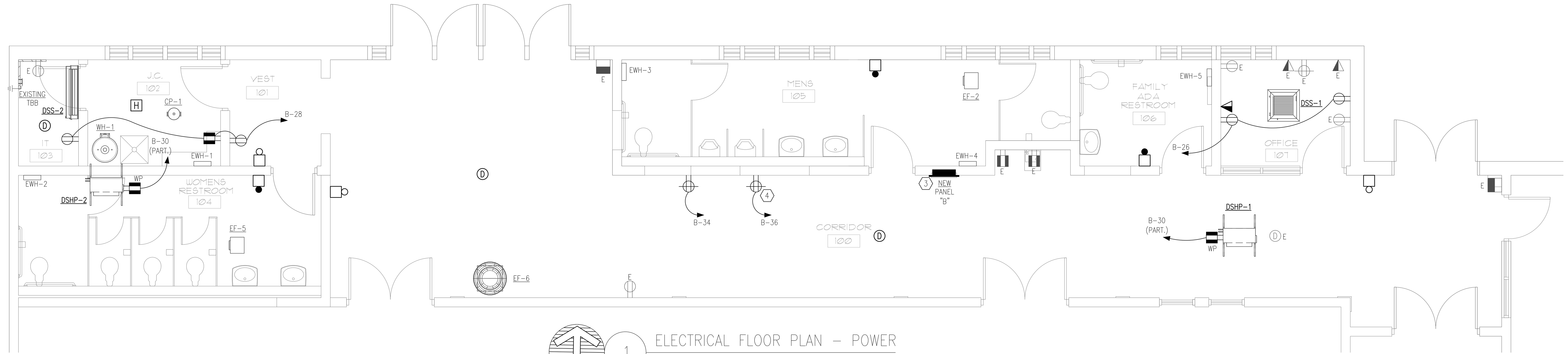
1. PROVIDE AN OUTLET BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING ON END TO 6" ABOVE NEAREST ACCESSIBLE CEILING OR ATTIC (OR UP NEAR STRUCTURE FOR AREAS WITH NO CEILING) FOR ALL WALL MOUNTED VOICE/DATA, SOUND SYSTEM, CATV, AND SECURITY SYSTEM DEVICES. PROVIDE A PULLSTRING IN ALL EMPTY CONDUIT. PROVIDE POWER AS REQUIRED FOR ALL SECURITY DEVICES FROM SPARE CIRCUIT(S) IN PANEL "LP". COORDINATE ANY ADDITIONAL REQUIREMENTS FOR THE ABOVE REFERENCED SYSTEMS WITH OWNER PRIOR TO BID.

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. CONNECT TO UNSWITCHED "HOT" FROM LIGHTING CIRCUIT FEEDING THIS AREA.
2. CONNECT SWITCHED "HOT" TO NORMAL DRIVER AND UNSWITCHED "HOT" TO EMERGENCY BATTERY PACK.
3. PROVIDE LABOR AND MATERIALS NECESSARY TO REPLACE EXISTING PANEL WITH NEW PANEL "B" (AS INDICATED IN PANEL SCHEDULE). COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. RECONNECT ALL EXISTING TO REMAIN CIRCUITS TO NEW PANEL AS REQUIRED.
4. CONFIRM VENDING MACHINE PLUG HAS INTEGRAL GFCI PROTECTION OR PROVIDE GFCI OUTLET (OR PROVIDE AND CONNECT TO GFCI BREAKER) AS REQUIRED BY NEC 422.51.

FIRE ALARM NOTES:

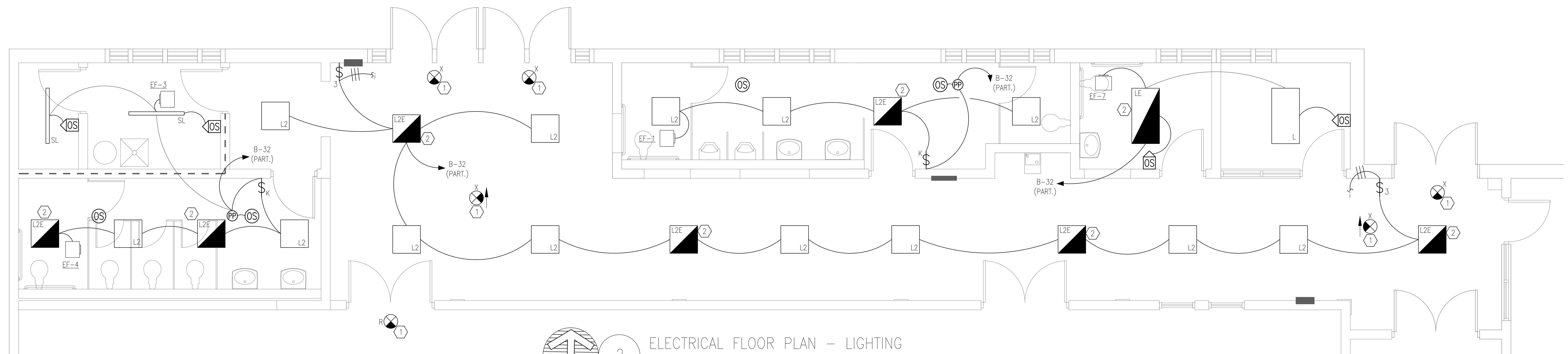
1. ALL NEW FIRE ALARM DEVICES SHOWN SHALL MATCH EXISTING DEVICE TYPES AND FINISHES AND SHALL BE COMPATIBLE WITH THE EXISTING BUILDING FIRE ALARM SYSTEM. VERIFY EXISTING FIRE ALARM SYSTEM IS IN GOOD WORKING ORDER AND PROVIDE NEW EXPANDER/BOOSTER PANEL AS REQUIRED TO ACCOMMODATE NEW DEVICES SHOWN.
2. ALL FIRE ALARM DEVICES ARE TO BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM BY A NICET LEVEL 3 LICENSED INSTALLER AS APPROVED BY THE OWNER.
3. ANY MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM REQUIRED UNDER THE SCOPE OF THIS PROJECT SHALL FOLLOW THE REQUIREMENTS OF NFPA 72 4.5.1.1 AND ALL WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL AS DEFINED IN NFPA 72 10.4.2.
4. ANY ADDITIONS OR ALTERATIONS TO THE FIRE ALARM SYSTEM REQUIRE TESTING, A RECORD OF COMPLETION, AND RECERTIFICATION.
5. THE DRAWINGS ARE DIAGRAMMATIC. THE DEVICES SHOWN ON THE PLANS ARE FOR GENERAL ARCHITECTURAL AND OWNER COORDINATION AND SHALL BE CONSIDERED A MINIMUM. ADDITIONAL DEVICES SHALL BE PROVIDED AS REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS, DEVICES, AND CONNECTIONS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM AS REQUIRED BY NFPA AND THE AUTHORITY HAVING JURISDICTION.



PLAN NORTH

1 ELECTRICAL FLOOR PLAN – POWER

1/4" = 1'-0"



PLAN NORTH

2 ELECTRICAL FLOOR PLAN – LIGHTING

1/4" = 1'-0"

NEW PANEL **B**

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE

AIC RATING: 22,000A

MOUNTING: FLUSH

AMP RATING: 200A — MAIN: MLO

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	20/1	EXISTING EXT. REC	1.00	A	1.75	EWH-1,3	20/1	2
3	20/1	EXISTING MAINT.	1.00	B	1.75	EWH-4,5	20/1	4
5	20/1	EF-2,5	0.33	C	1.08	EXISTING	20/1	6
7	20/1	EXISTING OFFICE	1.00	A	1.30	EXIST. ICE MACHINE	20/1	8
9	15/2	EWH-2	1.13	B	1.00	EXIST. HALL REC	20/1	10
11			1.13	C	1.00	EXIST. GYM RECS	20/1	12
13	20/1	SPARE		A	0.50	EXIST. FF REC ALARM	20/1	14
15	20/1	EXISTING REC (SB)	1.00	B	2.00	WH-1	30/2	16
17	20/1	EXIST. RECS OFF./(SC)	1.00	C	2.00			18
19	15/2	DSS-1/DSHP-1	0.84	A	0.48	CP-1	15/1	20
21			0.84	B	1.00	EXIST. WATER COOLER	20/1	22
23	15/2	DSS-2/DSHP-2	1.08	C	1.00	EXISTING I-NET RECS	20/1	24
25			1.08	A	0.36	RECS - OFICE	20/1	26
27	20/1	EXISTING	1.00	B	0.54	RECS - MAINT.JAN.HALL	20/1	28
29	20/2	EXIST. PARK REC	1.00	C	0.36	RECS - ROOF	20/1	30
31			1.00	A	1.14	LIGHTING	20/1	32
33	15/3	EF-6	0.33	B	1.20	REC - REF. (HALL)	20/1	34
35			0.33	C	1.20	REC - VENDING (HALL)	20/1	36
37			0.33	A		SPARE	20/1	38
39	20/1	SPARE		B		SPARE	20/1	40
41	20/1	SPARE		C		SPARE	20/1	42

LOAD SUMMARY

PHASE A	10.789	KVA	208	VOLTS PHASE-TO-PHASE
PHASE B	12.788	KVA		
PHASE C	11.511	KVA		
TOTAL CONNECTED	35.088	KVA	97.4	AMPS

HVAC/PLUMBING EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

TAG	LOAD	VOLT./~	CIRCUIT DESIGNATION	BREAKER	BRANCH CIRCUIT	NOTE
DSS–1/DSHP–1	10.1 MCA	208/1	B–19,21	15/2	2#12, 1#12G, 3/4"C.	DISCONNECTS BY EC
DSS–2/DSHP–2	13 MCA	208/1	B–23,25	15/2	2#12, 1#12G, 3/4"C.	DISCONNECTS BY EC
EWH–1	0.75 kW	120/1	B–2(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EWH–2	2.25 kW	208/1	B–9,11	15/2	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EWH–3	1.0 kW	120/1	B–2(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EWH–4	1.0 kW	120/1	B–4(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EWH–5	0.75 kW	120/1	B–4(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF–1,4	119 W	120/1	CTRL WTH LTG.–SEE PLANS	20/1	2#12, 1#12G, 3/4"C.	DISCONNECTS BY EC
EF–2	55 W	120/1	B–5(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF–3	55 W	120/1	CTRL WTH LTG.–SEE PLANS	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF–5	276 W	120/1	B–5(PART.)	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF–6	1 HP	208/3	B–33,35,37	15/3	3#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF–7	69 W	120/1	CTRL WTH LTG.–SEE PLANS	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
CP–1	1/25 HP	120/1	B–20	15/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
WH–1	4.0 kW	208/1	B–16,18	30/2	2#10, 1#10G, 3/4"C.	DISCONNECT BY EC

1. CONFIRM EXACT ELECT. REQUIREMENTS AND LOCATIONS OF MC/PC PROVIDED HVAC/PLUMBING EQUIPMENT PRIOR TO ROUGH–IN.
2. ALL DISCONNECTS LOCATED OUTSIDE SHALL BE WEATHERPROOF.
3. PROVIDE HACR TYPE BREAKERS FOR CIRCUITS FEEDING HACR TYPE EQUIPMENT.
4. PROVIDE COMBINATION STARTER/DISCONNECT OR MOTOR RATED SWITCH (IF APPLICABLE) FOR ALL EQUIPMENT WITHOUT INTEGRAL DISCONNECTING MEANS.
5. INDOOR DSS UNIT IS POWERED FROM OUTDOOR DSHP. PROVIDE 2#12, 1#12G, 3/4"C. FROM OUTDOOR UNIT TO INDOOR UNIT.
6. WIRING METHODS FOR HVAC EQUIPMENT SHALL COMPLY WITH NEC ARTICLE 300.

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	LAMP TYPE	MANUFACTURER/MODEL	NOTES
L	2'X4' RECESSED LED FIXTURE WITH 0–10V DIMMING DRIVER.	LED – 39W [4000K]	LITHONIA LIGHTING EPANL LED SERIES OR EQUAL	
LE	SAME AS "L" EXCEPT PROVIDE WITH EMERGENCY BATTERY OPTION AND TEST SWITCH.			
L2	SAME AS "L" EXCEPT 2'X2' AND LOWER LUMEN OUTPUT.	LED – 31W [4000K]		
L2E	SAME AS "L2" EXCEPT PROVIDE WITH EMERGENCY BATTERY OPTION AND TEST SWITCH.			
SL	4', LED STRIP FIXTURE.	LED – 41W [4000K]	LITHONIA LIGHTING ZL1D SERIES OR EQUAL	
X	LED EXIT SIGN WITH BATTERY, WHITE HOUSING, AND RED LETTERS. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN.	LED	LITHONIA LIGHTING LQM SERIES OR EQUAL	

LIGHTING FIXTURE SCHEDULE NOTES:

1. CONFIRM VOLTAGE WITH DRAWINGS AND COORDINATE/CONFIRM ALL MOUNTING HEIGHTS, FINISHES, AND BRACKETS WITH OWNER/ARCHITECT PRIOR TO ORDERING AND INSTALLATION. ARCHITECT TO PROVIDE ALL FINISHES AND MOUNTING HEIGHTS OF ANY HANGING CEILING AND WALL MOUNTED FIXTURE TYPES.
2. PROVIDE MOUNTING OPTION(S) NECESSARY TO ACCOMMODATE CEILING AND FLOOR TYPES SPECIFIED BY ARCHITECTURAL DOCUMENTS FOR ALL RECESSED FIXTURES.
3. THE LAMP COLOR TEMPERATURE FOR ALL LAMP SOURCES SHALL BE AS NOTED IN LIGHTING FIXTURE SCHEDULE ABOVE.

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ELECTRICAL FLOOR PLAN - POWER & LIGHTING

E2.10