

Glastonbury High School Kitchen Code Violation Project

State DAS Project No. 054-0098 CV

330 Hubbard St, Glastonbury, CT 06033

FINAL CONSTRUCTION DOCUMENTS

GL-2019-19

March 29, 2019

LIST OF DRAWINGS

- G-000 COVER SHEET
- G-001 DRAWING LIST, SYMBOLS & ABBREVIATIONS
- G-002 PARTITION TYPES
- LS-101 LIFE SAFETY PLANS
- LS-102 MOUNTING HEIGHTS
- HA-001 FIRST FLOOR ABATEMENT PLAN PHASE 1

- C-101 SITE UTILITIES PLAN

- S-001 GENERAL NOTES
- S-101 FIRST FLOOR PLAN
- S-201 SECTIONS & TYPICAL DETAILS

- AD-101 BASEMENT AND FIRST FLOOR DEMOLITION PLAN
- AD-201 BASEMENT AND FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN

- A-100 BASEMENT FLOOR PLAN
- A-101 FIRST FLOOR PLAN
- A-101A KITCHEN CURB PLAN
- A-102 SECOND FLOOR PLAN
- A-103 PARTIAL ROOF PLAN AND DETAILS
- A-201 FIRST FLOOR REFLECTED CEILING PLAN
- A-401 ENLARGED PLANS AND ELEVATIONS
- A-603 CEILING DETAILS
- A-620 COILING SHUTTER DETAILS
- A-621 MISCELLANEOUS DETAILS
- A-622 MISCELLANEOUS DETAILS
- A-800 DOOR SCHEDULE AND DETAILS
- A-901 FIRST FLOOR - WALL FINISH PLAN
- A-902 FIRST FLOOR - FLOOR FINISH PLAN

- FS-100 FOODSERVICE EQUIPMENT SCHEDULE
- FS-101 FOODSERVICE EQUIPMENT OVERALL PLAN
- FS-102 FOODSERVICE EQUIPMENT PLAN
- FS-103 FOODSERVICE EQUIPMENT ROUGHING-IN PLAN
- FS-104 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN
- FS-105 FOOD SERVICE EQUIPMENT ELEVATIONS

- FP-000 FIRE PROTECTION GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
- FPD-101 FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
- FP-101 FIRST FLOOR FIRE PROTECTION PLAN

- P-000 PLUMBING GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
- PD-100 BASEMENT PLUMBING DEMOLITION PLAN
- PD-101 FIRST FLOOR PLUMBING DEMOLITION PLAN
- P-100 BASEMENT PLUMBING PLAN
- P-101 FIRST FLOOR PLUMBING PLAN
- P-103 KITCHEN PLUMBING PART PLANS
- P-401 PLUMBING DETAILS
- P-402 PLUMBING DETAILS
- P-601 SANITARY AND GREASE WASTE FLOW DIAGRAMS
- P-602 DOMESTIC WATER AND GAS FLOW DIAGRAMS
- P-800 PLUMBING SCHEDULES

- H-000 HVAC GENERAL NOTES, SYMBOLS, AND MECHANICAL SCHEDULES
- HD-101 FIRST FLOOR AND ROOF HVAC DEMOLITION PLAN
- H-101 FIRST FLOOR AND ROOF HVAC PLAN
- H-401 HVAC DETAILS AND CONTROL DIAGRAMS

- E-000 ELECTRICAL DRAWING LEGEND
- ELD-101 FIRST FLOOR LIGHTING DEMOLITION PLAN
- EL-101 FIRST FLOOR LIGHTING PLAN
- EL-200 LIGHT FIXTURE SCHEDULE AND DETAILS
- EPD-101 FIRST FLOOR POWER DEMOLITION PLAN
- EP-101 FIRST FLOOR POWER PLAN
- EP-200 POWER DETAILS AND PART PLANS
- EP-201 ONE LINE RISER DIAGRAM AND SCHEDULES
- EP-202 ELECTRICAL PANELBOARD SCHEDULES
- ES-101 FIRST FLOOR SPECIAL SYSTEMS PLAN

BUILDING OFFICIAL: PETER CAREY

Signature: *Peter Carey* Date: 5/29/19

FIRE MARSHAL: CHRISTOPHER N. SIWY

Signature: *Chris Siwy* Date: 5/29/19

SECTION 504 OFFICIAL: SHERRI TANGUAY

Signature: *Sherry Tanguay* Date: 5/29/19

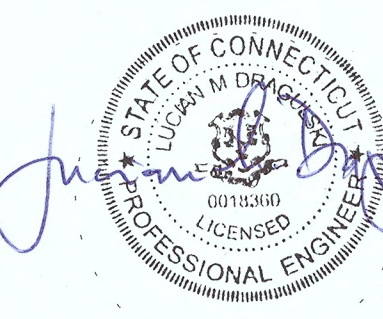
Registered Sanitarian *Jay Don Kewonson*
HEALTH INSPECTOR: WENDY MIS
Signature: *Wendy Mis* Date: 5/29/19



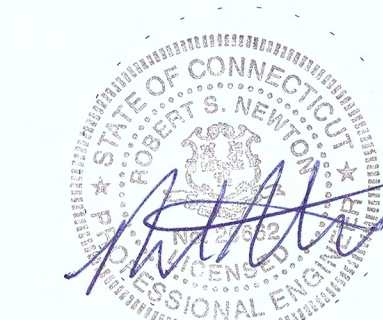
ARCHITECT
ID3A
655 WINDING BROOK DRIVE
GLASTONBURY, CT 06033



STRUCTURAL ENGINEER
MORRISSEY ENGINEERING, LLC
58 ESSEX STREET
DEEP RIVER, CT 06417



MEPPP ENGINEER
BEMIS ASSOCIATES, LLC
185 MAIN STREET
FARMINGTON, CT 06032

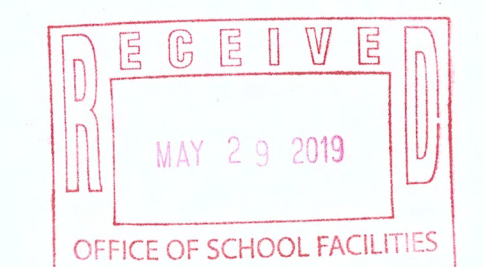


CIVIL ENGINEER
BSC GROUP
300 WINDING BROOK DRIVE
GLASTONBURY, CT 06033

id3A
interior design architecture

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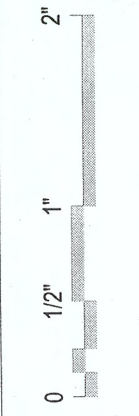


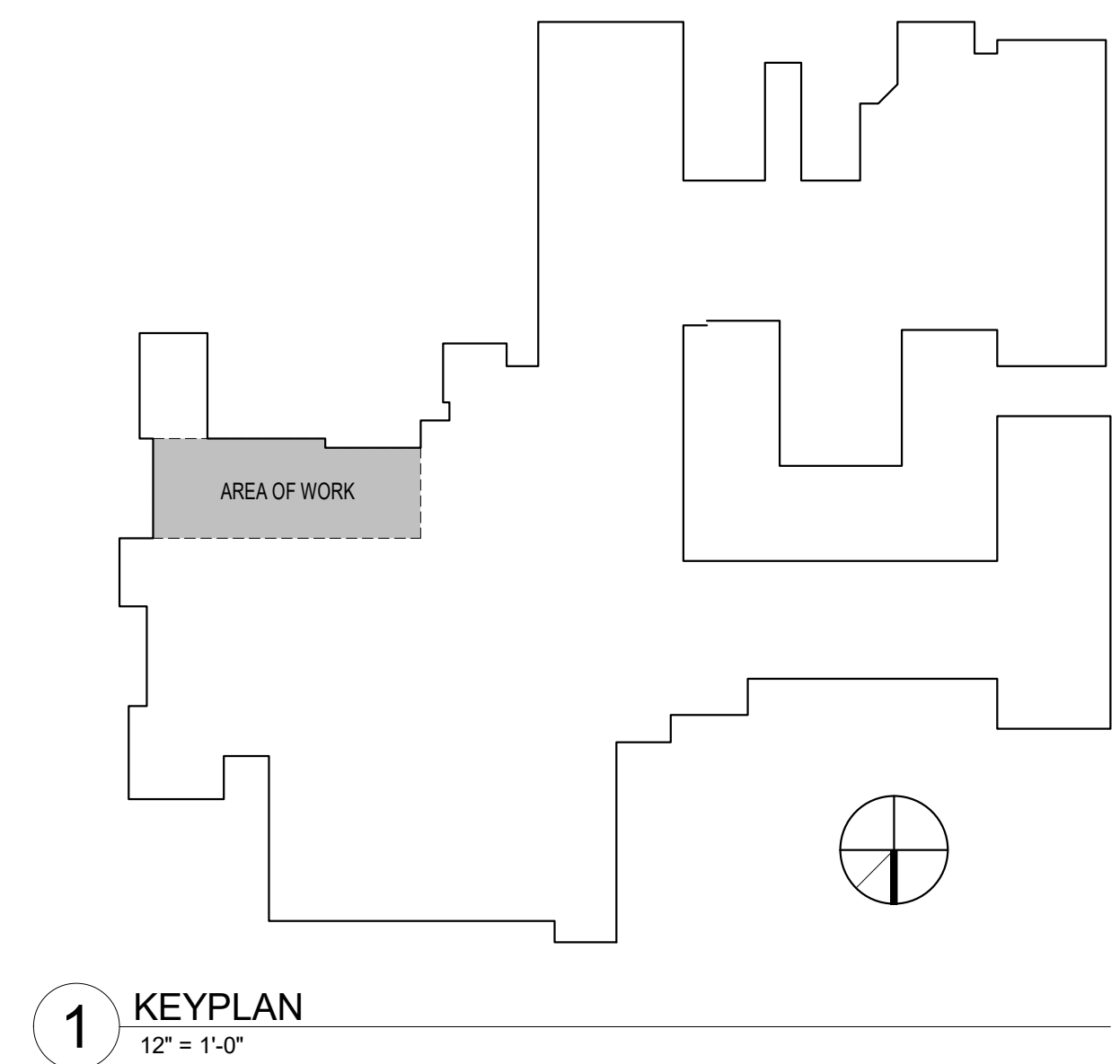
March 29, 2019
GL-2019-19
G-000

collaborative

adaptive

innovative





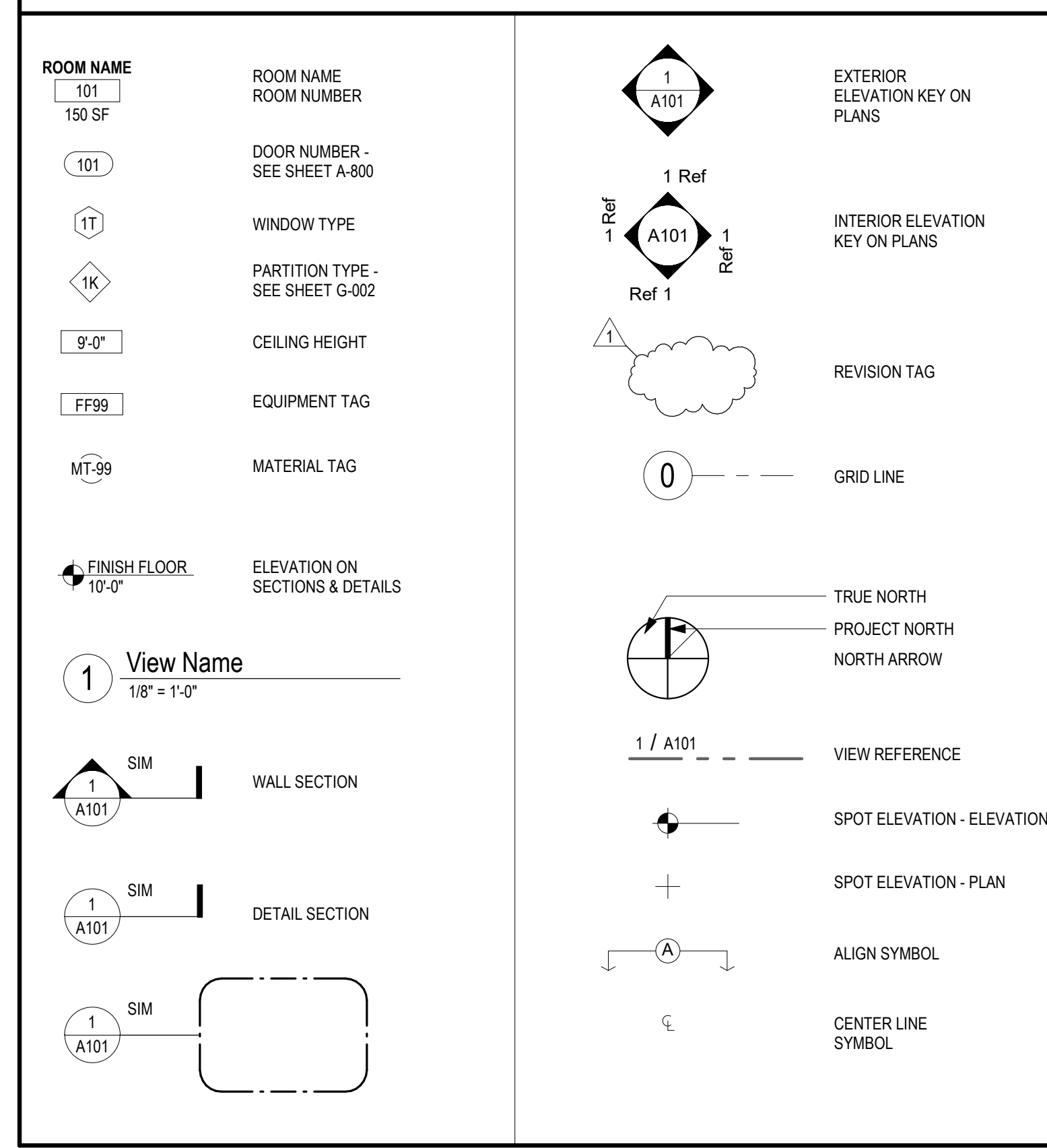
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ABBREVIATIONS

& / @ #	AND ANGLE AT NUMBER									
A	AV AUDIO VISUAL ACONC ARCHITECTURAL CONCRETE ASCC ARCHITECTURAL SELF-CONSOLIDATING CONC ACE ACCESS CONTROL EQUIPMENT ACST ACOUSTICAL AD AREA DRAIN ADJ ADJACENT ADR ACCESS DOOR AF ACCESS FLOOR AFF ABOVE FINISHED FLOOR AGGR AGGREGATE AL ALUMINUM ANDZ ANODIZED AP ACCESS PANEL APPROX APPROXIMATELY ARCH ARCHITECT(URAL) ASP ASPHALT ACT ACOUSTIC CEILING TILE AUTO AUTOMATIC AUX AUXILIARY	E E EAST EA EACH EB ELECTRIC BOILER EC EXPOSED CONSTRUCTION ED ELECTRICAL DEVICE EGR EXTENSIVE GREEN ROOF SYSTEM EHD ELECTRIC HAND DRYER EJ EXPANSION JOINT EL ELEVATION ELAST ELASTOMERIC ELEC ELECTRICAL ELEC CL ELECTRICAL CLOSET ELEV ELEVATOR ELL ELLIPSE EM ENTRANCE MAT EMER EMERGENCY ENCL ENCLOSURE / ENCLOSE(D) ENTR ENTRANCE EQ EQUAL EQPT EQUIPMENT ESC ESCALATOR EWC ELECTRIC WATER COOLER EXH EXHAUST EXP EXPANSION EXPN EXPANSION EXST EXISTING EXT EXTERIOR	H HB HOSE BIB HD HEAD HW HARDWARE HEX HEXAGON(AL) HM HOLLOW METAL HDRL HANDRAIL HORIZ HORIZONTAL HP HEDGE HPT HIGH POINT HQ HEADQUARTERS HR HOUR HT HEIGHT HVAC HEATING, VENTILATING, AIR CONDITIONING	O OA OVERALL OC ON CENTER OD OUTSIDE DIAMETER OF OFFICE INFRASTRUCTURE OFD OVERFLOW DRAIN OFF OFFICE OPNG OPENING OPP OPPOSITE OPPH OPPOSITE HAND OPR OPERATING / OPERABLE	S SL SOIL SLDG SLIDE / SLIDING SMR SHEET METAL ROOFING SN SANITARY NAPKIN DISPENSER SND SANITARY NAPKIN DISPOSAL SP SPECIALTY ITEM(S) SPE SPORTS EQUIPMENT SPEC SPECIFICATION SPS SYNTHETIC POLYMER SURFACE SQ SQUARE SS-n STAINLESS STEEL SSC SMOKE SEAL COMPOUND SSL STRUCTURAL SLAB LEVEL STC SOUND TRANSMISSION CLASS STD STANDARD STL STEEL STOR STORAGE STRUCT STRUCTURE SURF MTD SURFACE MOUNTED SUSP SUSPENDED SWBD SWITCHBOARD SYMM SYMMETRICAL	T T TREAD TO TOP OF TA TOILET ACCESSORIES TC TRAFFIC COATING TD TRENCH DRAIN TEL TELEPHONE TEMP TEMPORARY TERRAZZO TERRAZZO TG TONGUE AND GROOVE THK THICKNESS THRES THRESHOLD TOC TOP OF CURB TOPO TOPOGRAPHY MAP TPD TOILET PAPER DISPENSER TRANS TRANSDOM TRAV TRAVERTINE TYP TYPICAL				
B	BO BOTTOM OF BCL LOCAL CONTROL PANEL BD BOARD BEV REVELED BF BASEMENT FUNCTIONS BG BUMPER GUARD BLDG BUILDING BLK BLOCK (WOOD BLOCKING) BM BEAM BME BUILDING MAINTAINANCE EQUIPMENT BRK BRICK BRZ BRONZE BSMT BASEMENT	F FA FIRE ALARM FAAP FIRE ALARM ANNUNCIATOR PANEL FAB FABRIC FAF FLUID APPLIED FLOORING FAI FRESH AIR INTAKE FAP FOR ALL POINTS FAP FABRIC PANEL FD FLOOR DRAIN FDMPR FIRE DAMPER FDN FOUNDATION FDVC FIRE DEPARTMENT VALVE CABINET FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FLOATING FLOOR FLL FINISH FLOOR LEVEL FH FIRE HYDRANT FHC FIRE HOSE CABINET FHR FIRE HOSE RACK (REEL) FIN FINISHED FIN FL FINISH FLOOR FIN GR FINISH GRADE FLEX FLEXIBLE FLG FLASHING FLMT FLUSH MOUNTED FLR FLOOR(S) FO FINISHED OPENING F.O.F. FACE OF FINISH FR FIRE RETARDANT / RATING / RESISTANT FRM FRAME FRTW FIRE RETARDANT TREATED WOOD FSS FIRE STOPPING SYSTEM FSE FOOD SERVICE EQUIPMENT FT FEET (FOOT) FTG FOOTING FWP FABRIC WRAPPED PANEL	J JC JANITOR CLOSET JF JOINT FILLER JG JOINT GASKET JMB JANITOR MOP BASIN JT JOINT	P PA PUBLIC ADDRESS PAR PARALLEL PART PARTIAL PAV PAVERS PB PLASTERBOARD PC PRECAST CONCRETE PERF PERFORATED PERP PERPENDICULAR PPF PREPARED FOR PAINT PGL PLEXIGLAS PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLBG PLUMBING PLSTC PLASTIC PLYWD PLYWOOD PNEU PNEUMATIC PNL PANEL POL POLISHED PR PAIR PREFAB PREFABRICATE PROJ PROJECT(S) PROP PROPERTY PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PTD PAINTED PTN PARTITION PVG PAVING PWR POWER	U UC UNDERCUT UNFIN UNFINISHED UNO UNLESS OTHERWISE NOTED UF URBAN FURNITURE UPS UNINTERRUPTED POWER SUPPLY UR URINAL	L L LEATHER LAB LABORATORY LAM LAMINATE LAQ LACQUER PANELS LAV LAVATORY LB(S) POUNDS LF LIGHT FIXTURE LH LEFT HAND LONG LONGITUDINAL LP LIGHTNING PROTECTION LPT LOW POINT LS LIMESTONE LTG LIGHTING LVL LEVEL LVR LOUVER	Q QT QUARRY TILE QTY QUANTITY	R R RISER RB RESILIENT BASE RCF RAISED COMPUTER FLOOR RCP REFLECTED CEILING PLAN RD ROOF DRAIN RECT RECTANGLE REF REFERENCE REFR REFRIGERATOR REG REGISTER REINF REINFORCED REQD REQUIRED REV REVISION RF RESILIENT FLOORING RFA ROOFING ACCESSORIES RM ROOM RND ROUND(ED) RO ROUGH OPENING RH ROBE HOOK	V VAR VARIES VB VAPOR BARRIER VERT VERTICAL VEST VESTIBULE VF VERIFY IN FIELD VOL VOLUME VT VINYL COMPOSITION TILE VWC VINYL WALL COVERING	W W WEST WTH WITH W/O WITHOUT WC WATER CLOSET / TOILET WCV WALL COVERING WD WOOD WDB WOOD BASE WDF WOOD FLOORING WDFR WOOD VENEER WH WALL HYDRANT WOC WHERE OCCURS WP WORK POINT WPG WATERPROOFING MEMBRANE WR WEATHER RESISTANT WS WEATHER STRIPPING WT WEIGHT WV WOOD VENEER WWF WELDED WIRE FABRIC
C	CB CATCH BASIN CBD CEMENT BOARD CCTV CLOSED CIRCUIT TELEVISION CF CONCRETE FILL CG CORNER GUARD(S) CJ CONTROL JOINT C CENTER LINE CLG CEILING CLG HT CEILING HT CLO CLOSET CLR OPNG CLEAR OPENING CMU CONCRETE MASONRY UNIT CO CLEAN OUT COL COLUMN CONC CONCRETE CONN CONNECTION CONSTR CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CONV CONVECTOR CORR CORRIDOR CP CEMENT PLASTER CPT CARPET(ED) CR CONCRETE RENDER CS CONCRETE SEALER CTR CERAMIC TILE CU CUBIC CW CURTAIN WALL	G G GAS GA GUAGE GALV GALVANIZED GB GRAB BAR GFRC GLASS FIBER REINFORCED CONCRETE GFRG GLASS FIBER REINFORCED GYPSUM GG GLAZING GASKET GH GUARD HOUSE(S) GI GALVANIZED IRON GL GLASS GLSB GLAZED SHADOW BOX GL BLK GLASS BLOCK GND GROUND GP GYPSUM BOARD GR GRANITE GS GRASS	M MAINT MAINTAIN / MAINTENANCE MACH MACHINE MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MED MEDIUM MEZZFR MEZZANINE MH MANUFACTURER MIN MINOR MISC MISCELLANEOUS ML METAL LATH MO MILLWORK MOD MASONRY OPENING MP MODULE MR METAL PANEL MRH MARBLE MRV MIRROR HORIZONTAL MTD MIRROR VERTICAL MTL MOUNTED MUL METAL MULLION	S S SOUTH SCHED SCHEDULE(D) SCP SKIM COAT OPENING SD SOAP DISPENSER SECT SECTION SEG SEGMENT(S) SH SHOWER HEAD SHR SHOWER SHT SHEET SHTG SHEATHING SI SIGNAGE SIM SIMILAR SJ SEALANT JOINT SK SERVICE SINK	N N NORTH NA NOT APPLICABLE NC-n NOISE CRITERIA NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE	W W/WO WITH/ WITHOUT WC/WCV WATER CLOSET / TOILET / WALL COVERING WD/WDF WOOD / WOOD FLOORING WDFR/WDFR WOOD VENEER / WALL HYDRANT WOC/WP WHERE OCCURS / WORK POINT WPG/WR WATERPROOFING MEMBRANE / WEATHER RESISTANT WS/WT WEATHER STRIPPING / WEIGHT WV/WWF WOOD VENEER / WELDED WIRE FABRIC				

SYMBOLS



655 Winding Brook Dr.
Glastonbury, CT 06033
t: 860.657.2500
f: 860.657.0757

Kitchen Code Violation Project

State DAS Project No. 054-0098CV
Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19

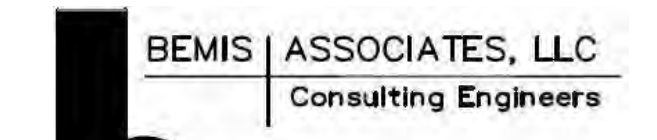
Project Team

Equipment Engineer



Food Facilities Planners
161 West Main Street
phone 978.352.8500
Georgetown, MA 01833
www.Crabtree-McGrath.com

MEP Engineer



185 Main Street
Farmington, Ct 06032
(860) 667-3233
Fax: (860) 321-7070
www.bemisassociates.com

Structural Engineer



58 Essex Street, Deep River, CT06417
phone 860-532-0312

Civil Engineer



300 Winding Brook Drive
Glastonbury, CT 06033
860-652-8227

Revisions

Issue Record

FINAL CONSTRUCTION DOCUMENTS

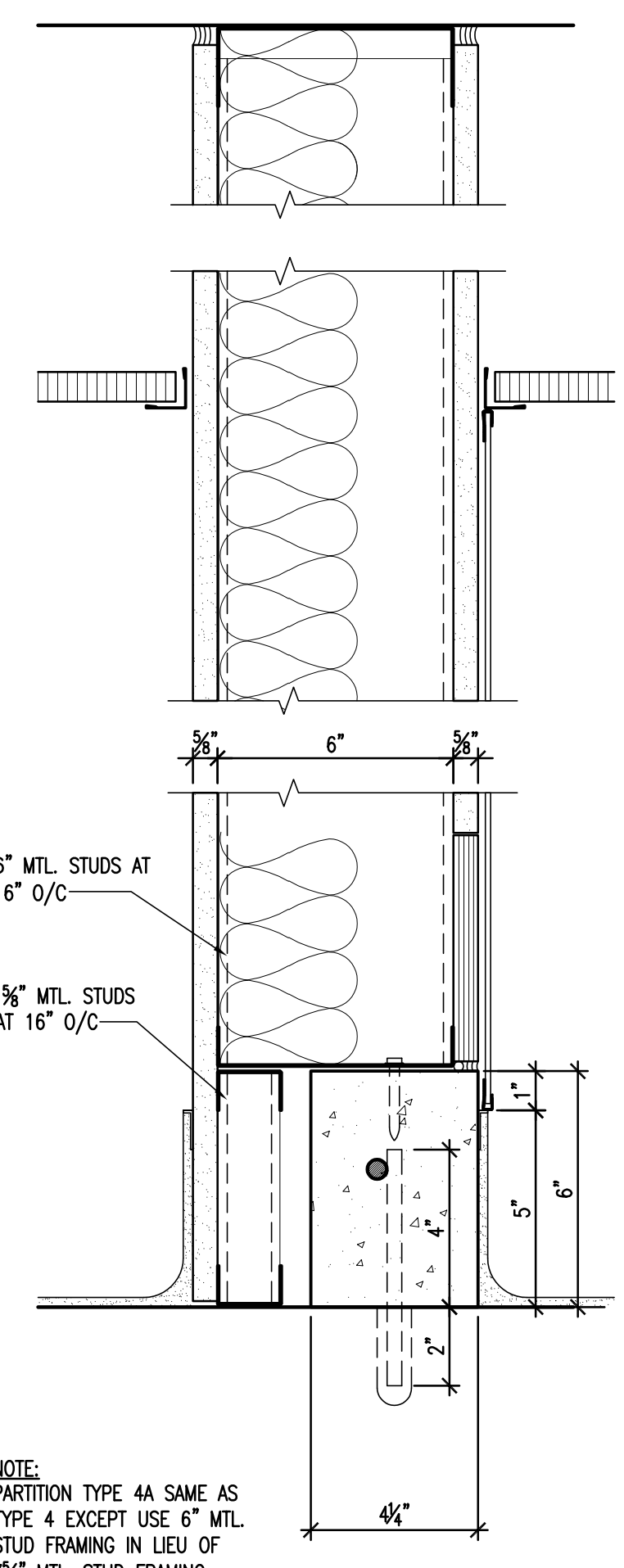
Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	DD
Checked	KS
Drawing Name	

DRAWING LIST, SYMBOLS & ABBREVIATIONS

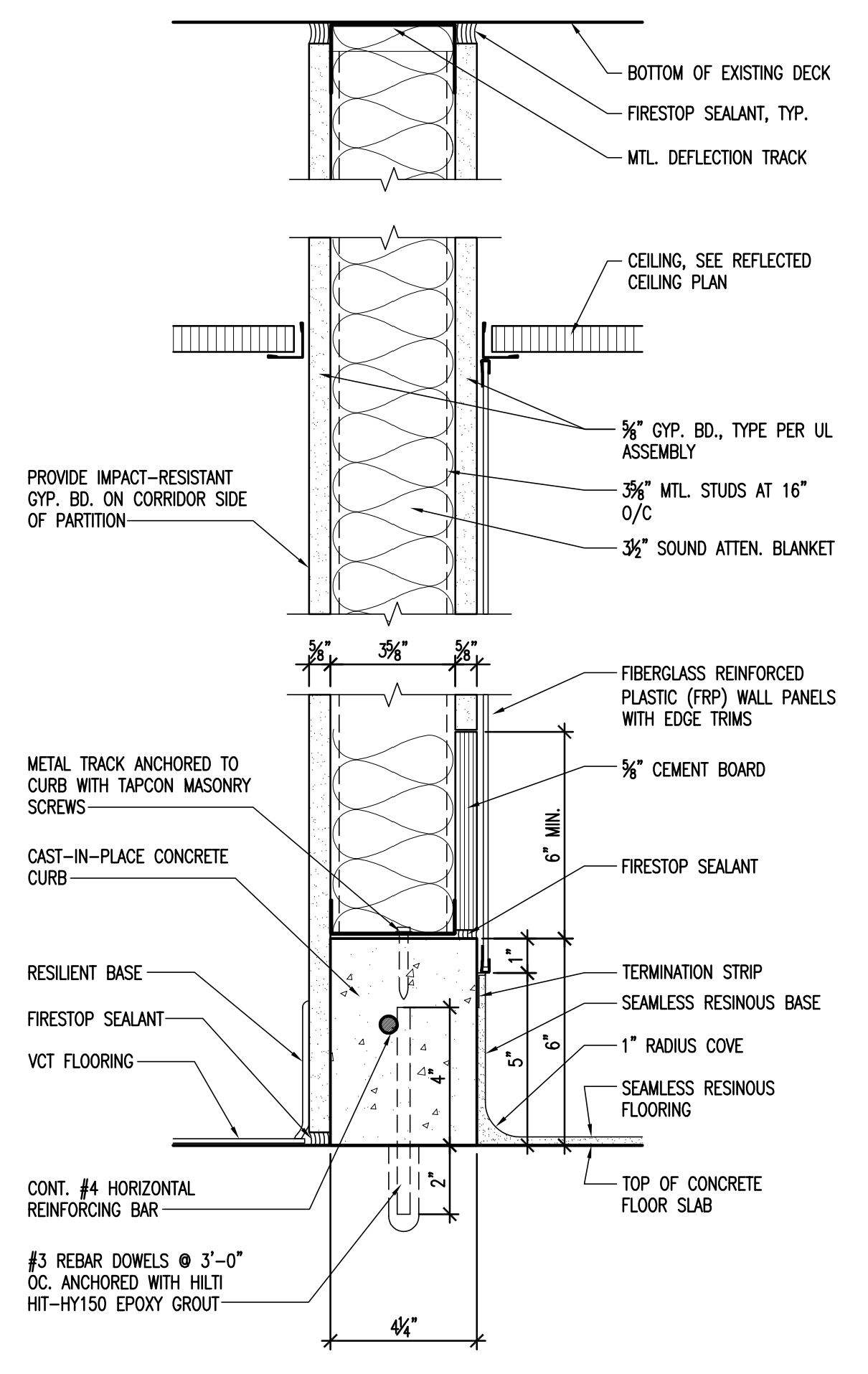
Drawing Number

G-001

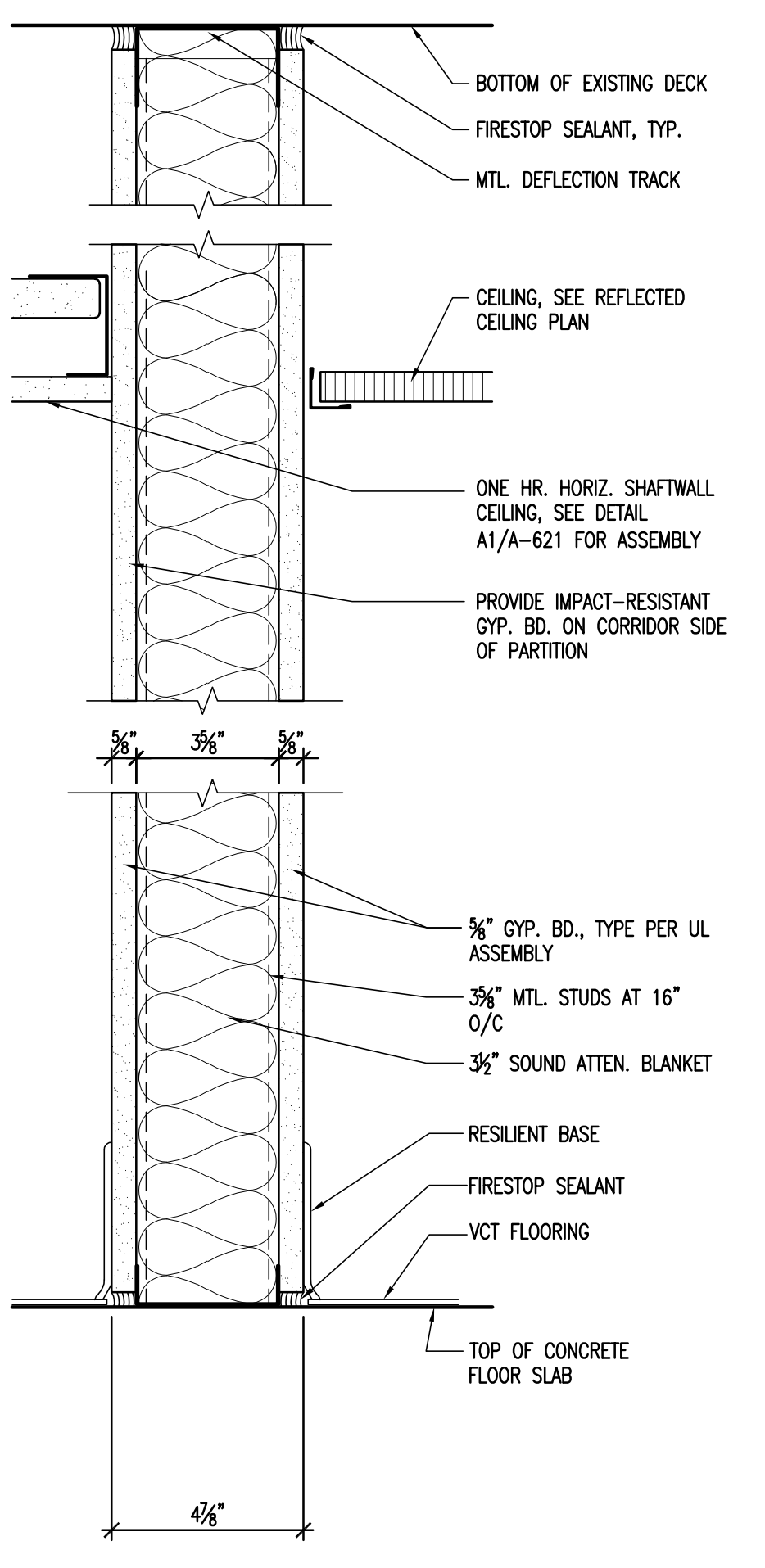
2'
1'
0 1/2'



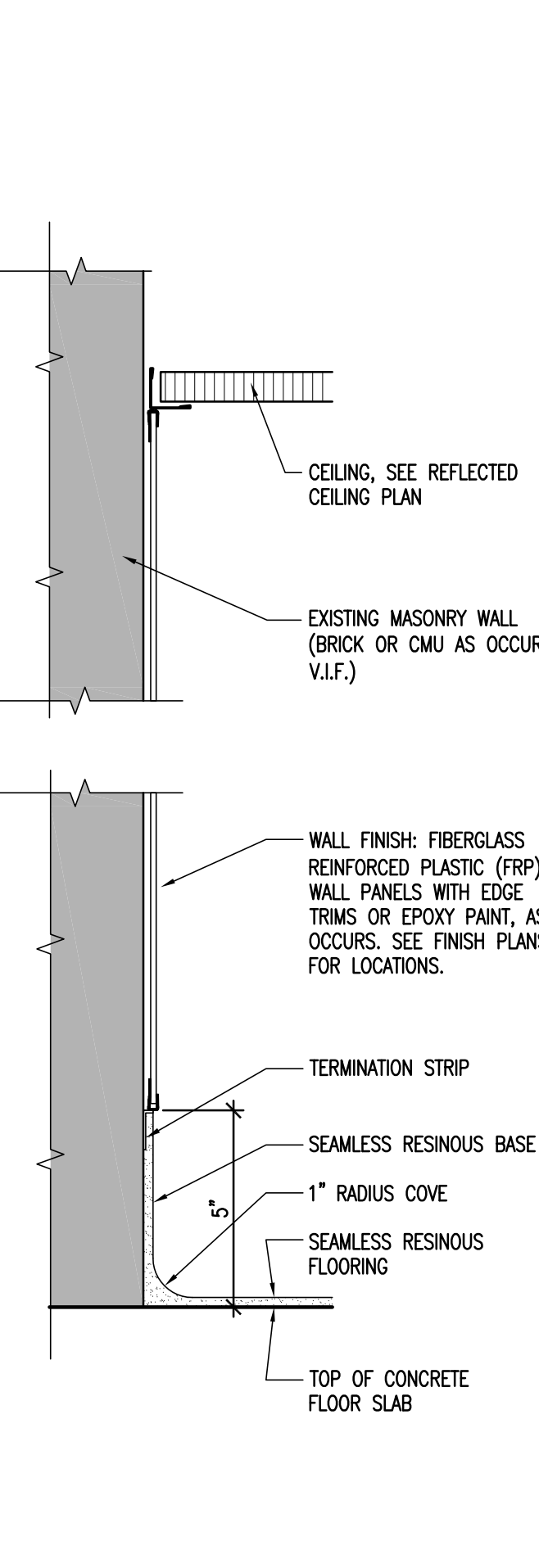
4A OFFICE 2
3" = 1'-0"



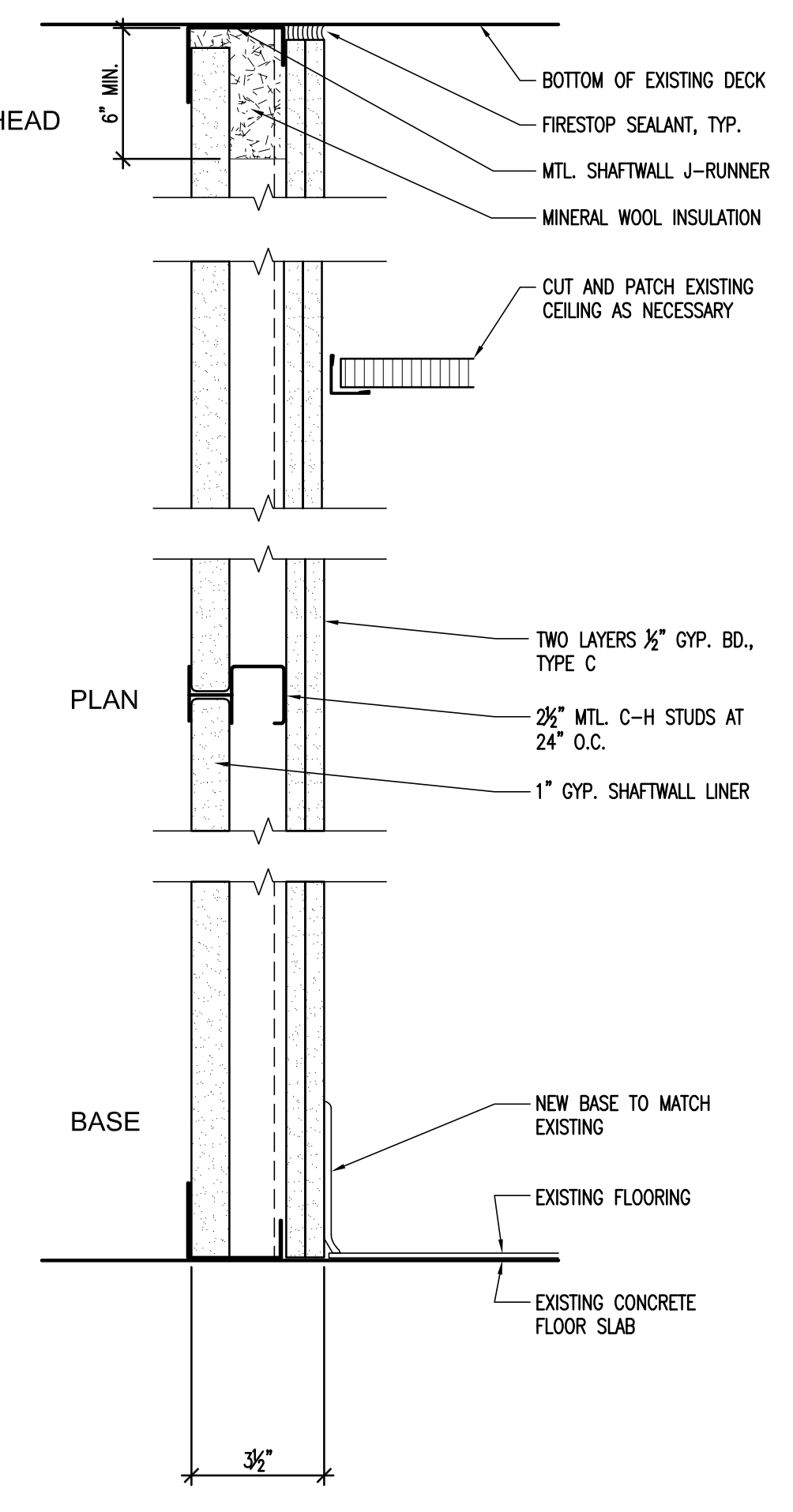
5a ONE HOUR FIRE RATED
3" = 1'-0" U.L. DES. NO. U465



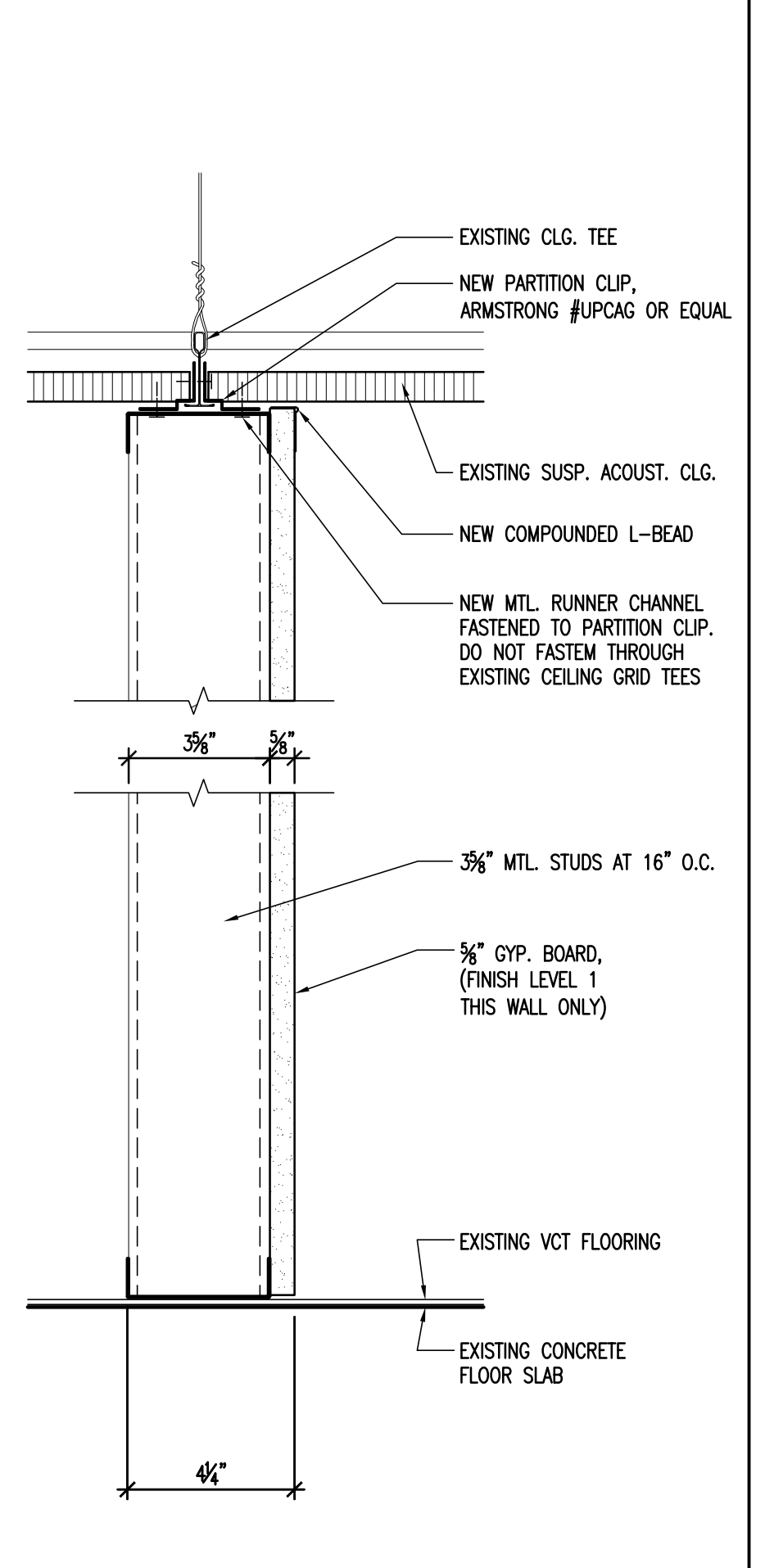
5b ONE HR. FIRE RATED
3" = 1'-0" U.L. DES. NO. U465



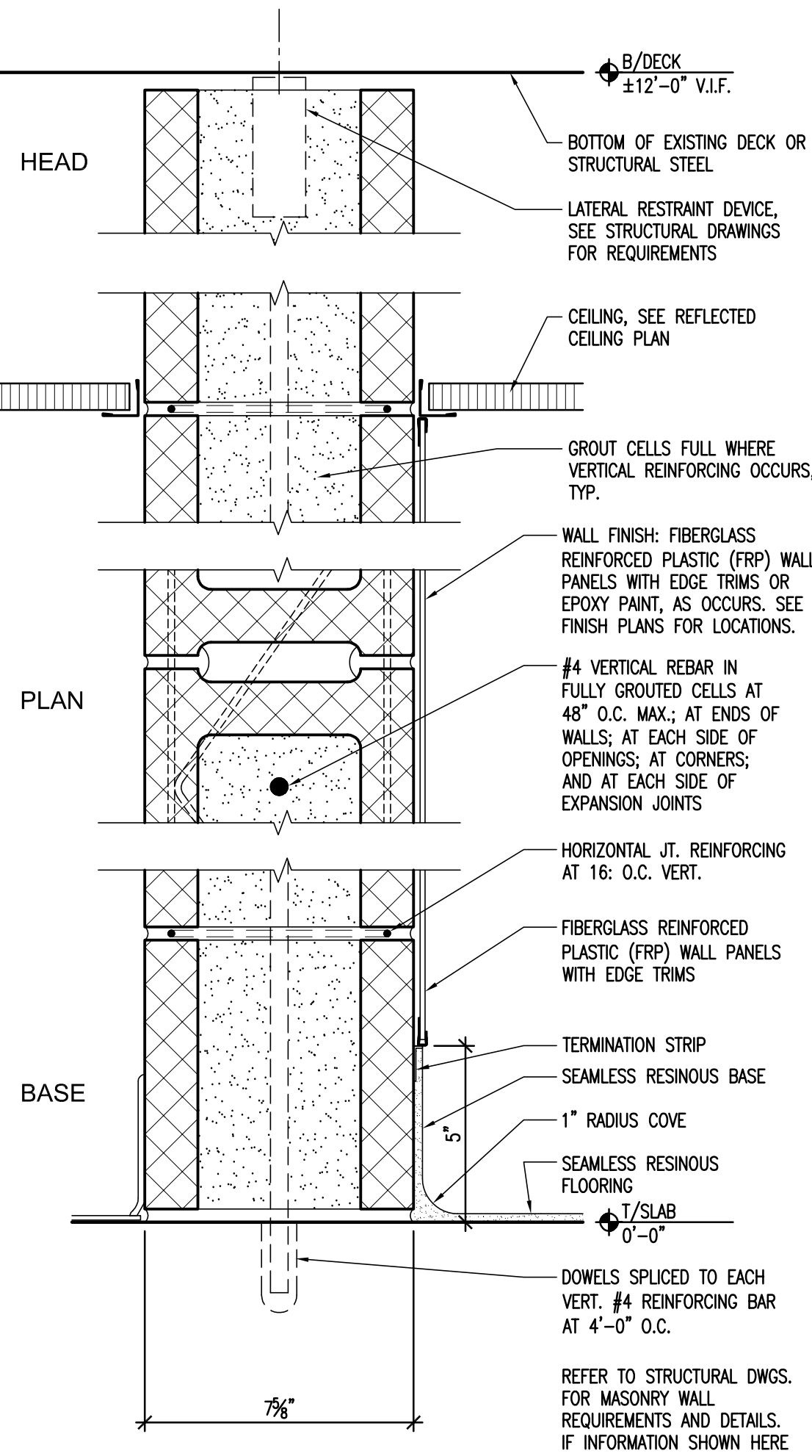
6 KITCHEN 15
3" = 1'-0"



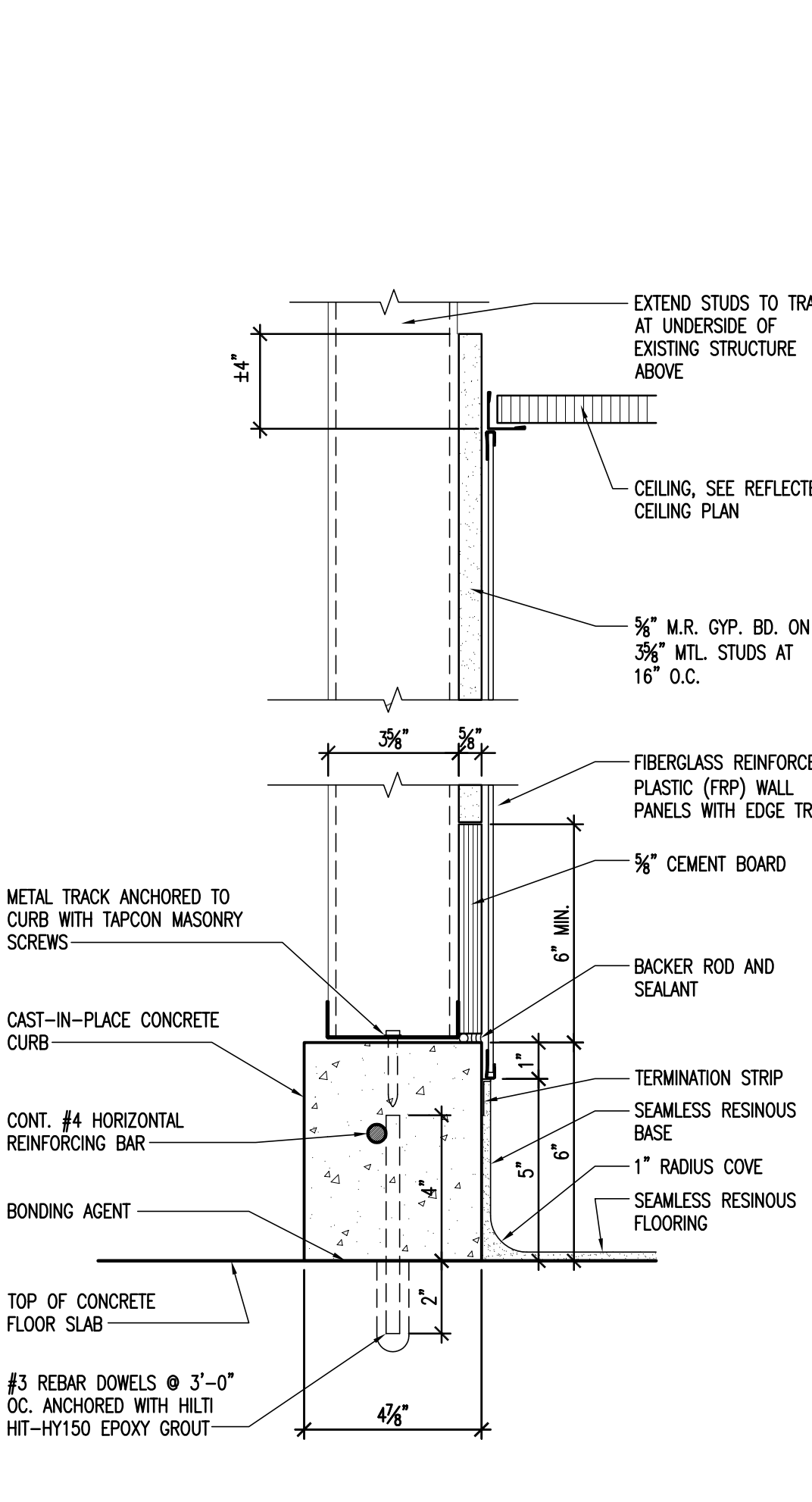
7 TWO HOUR FIRE RATED SHAFTWALL
3" = 1'-0" U.L. DES. NO. U415



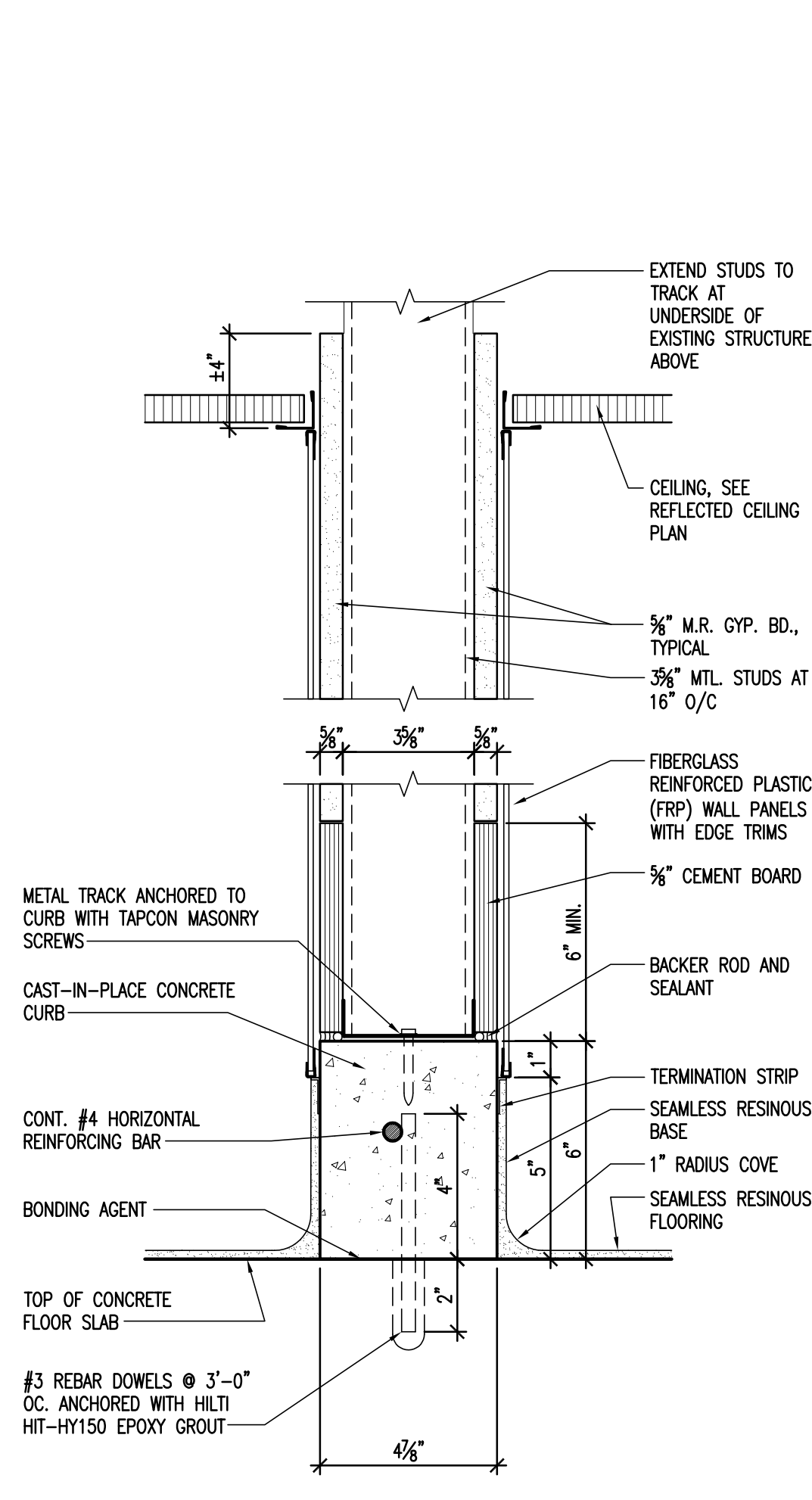
T1 TEMPORARY WALL
3" = 1'-0"



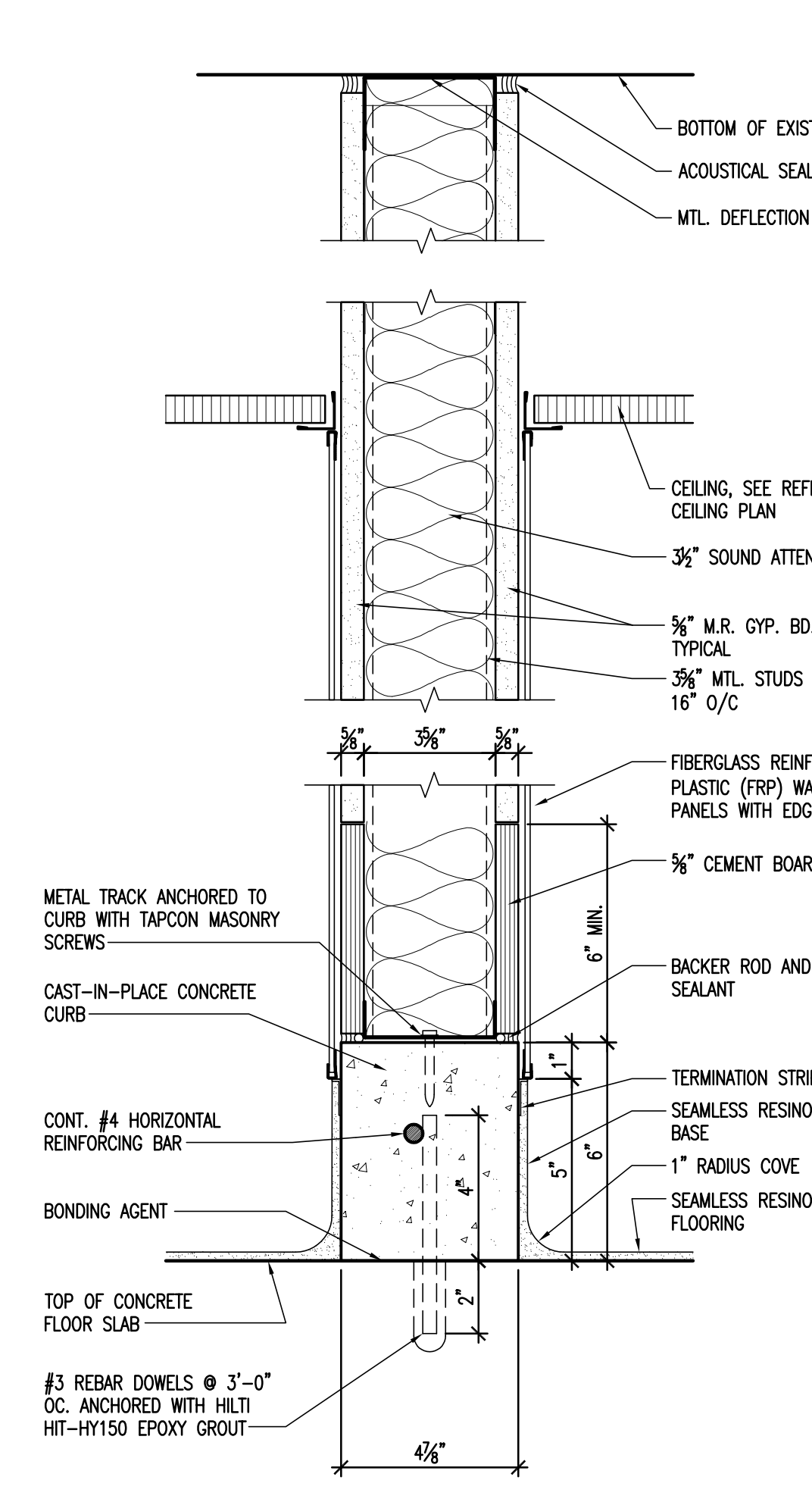
1 CMU
3" = 1'-0"



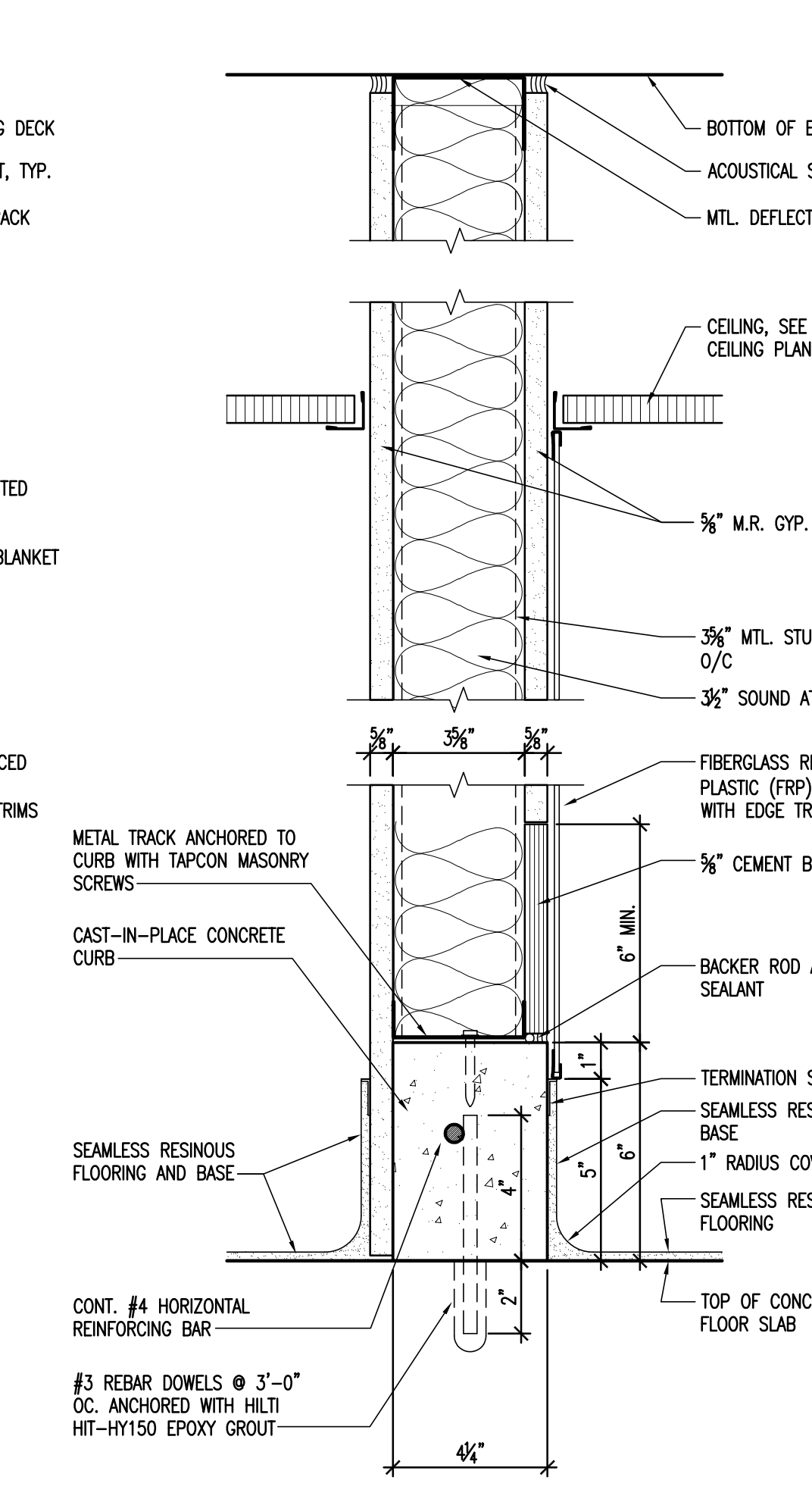
2 PIPE ENCLOSURES, CHASE WALLS
3" = 1'-0"



3 STORAGE 1, CLEANING 3, LOCKERS 4
3" = 1'-0"



3A WC 5
3" = 1'-0"



4 OFFICE 2
3" = 1'-0"

Revisions

Issue Record

Seal

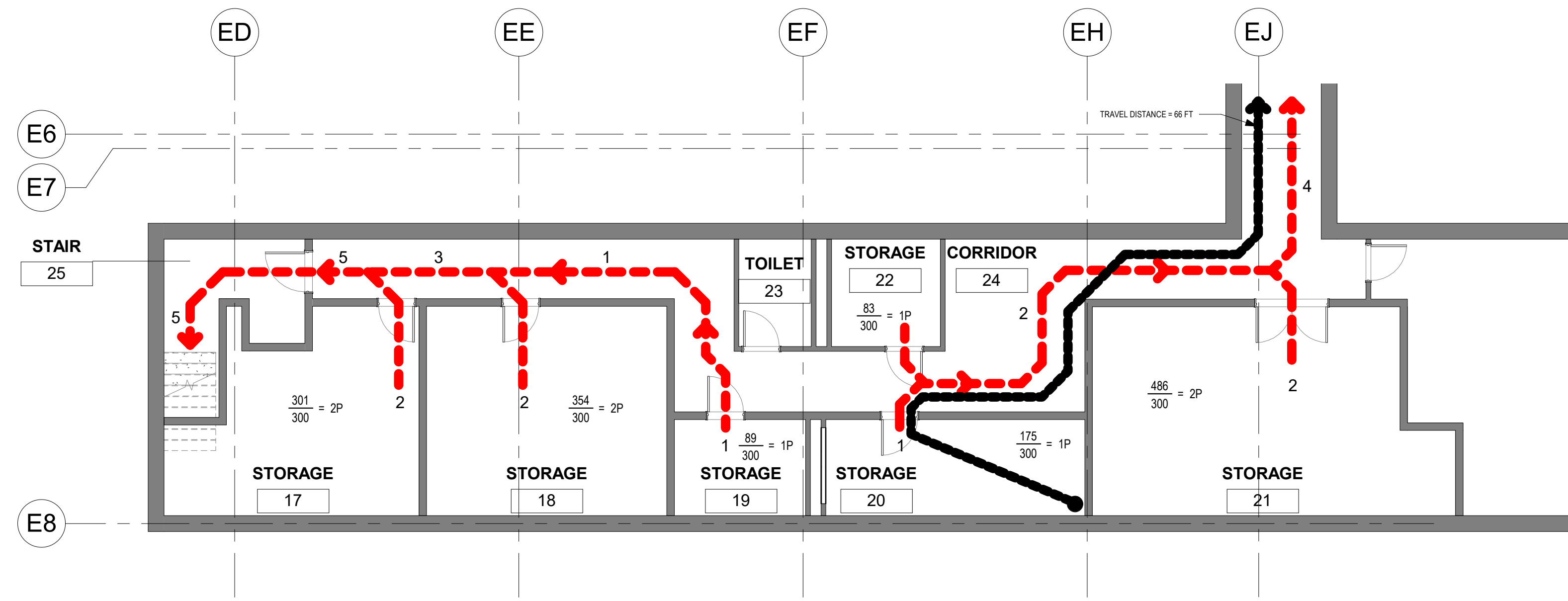
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	146.01.002
Scale	AS NOTED
Drawn	RK
Checked	GE
Drawing Name	

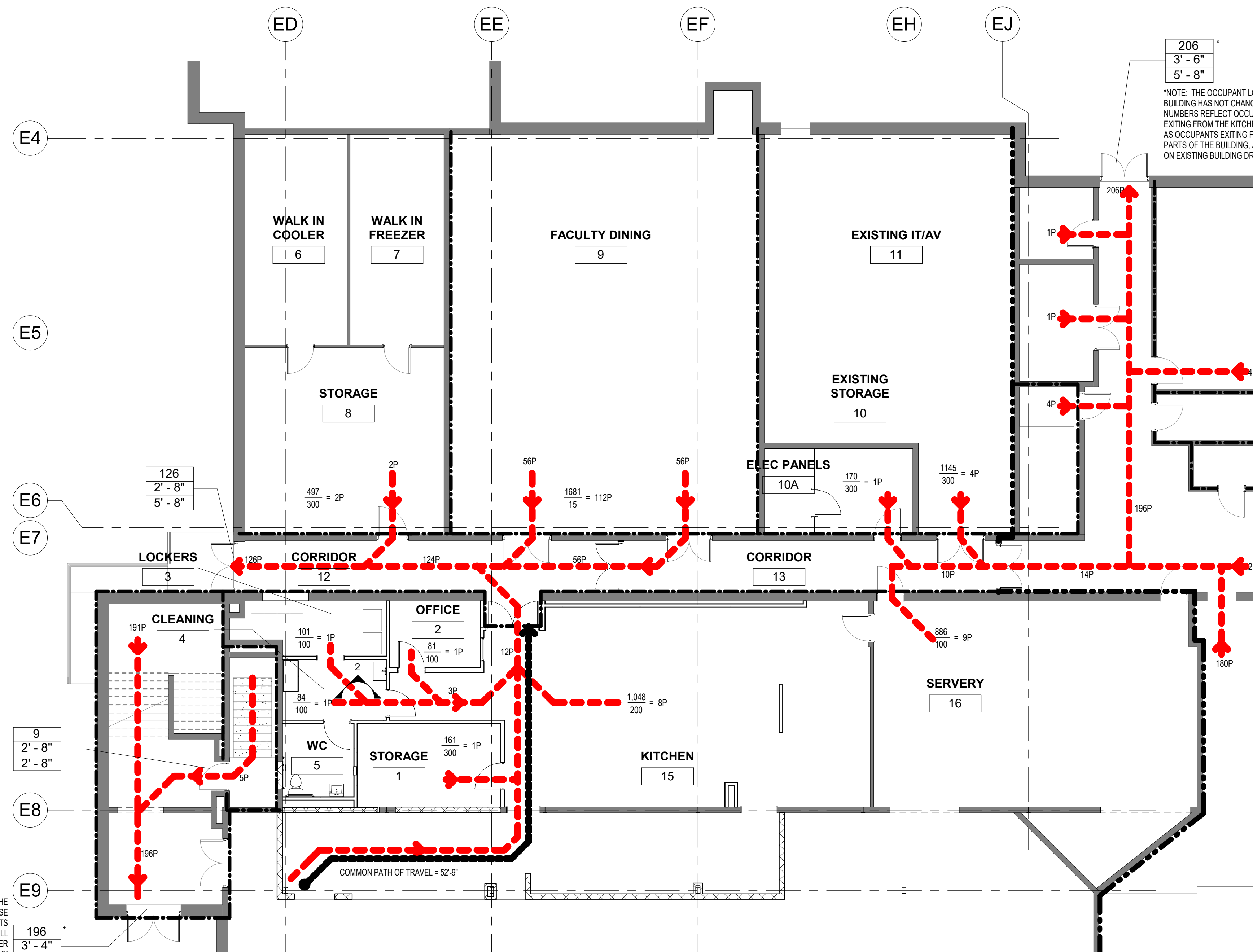
PARTITION TYPES

Drawing Number

G-002



2 BASEMENT CODE PLAN
1/8" = 1'-0"



1 FIRST FLOOR CODE PLAN
1/8" = 1'-0"

- 1. CLASSIFICATION OF WORK**
ALTERATION - LEVEL 2
- 2. USE GROUP CLASSIFICATION (Chapter 3)**
EXISTING - EDUCATIONAL (UNCHANGED)
- 3. CONSTRUCTION TYPE (Chapter 6)**
EXISTING - II-B UNCHANGED
*INFORMATION BASED ON 2004 RENOVATION & ADDITION CONSTRUCTION DRAWINGS
- 4. BUILDING HEIGHT (Chapter 5)**
EXISTING - UNCHANGED
- 5. BUILDING AREA (Chapter 5)**
EXISTING - UNCHANGED
- 6. FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (Table 601)**

STRUCTURAL FRAME (Including columns, girders, trusses)	0 Hour
BEARING WALLS	
Exterior	0 Hour
Interior	0 Hour
NONBEARING WALLS AND PARTITIONS (Exterior)	
Fire Separation Distance	
Less than 5 feet	1 Hour
5 feet or more, less than 10 feet	1 Hour
10 feet or more, less than 30 feet	0 Hour
30 feet or more	0 Hour
NONBEARING WALLS AND PARTITIONS (Interior)	0 Hour
FLOOR CONSTRUCTION (Including supporting beams and joists)	0 Hour
ROOF CONSTRUCTION (Including support beams and joists)	0 Hour

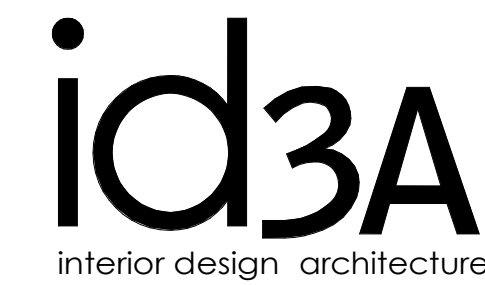
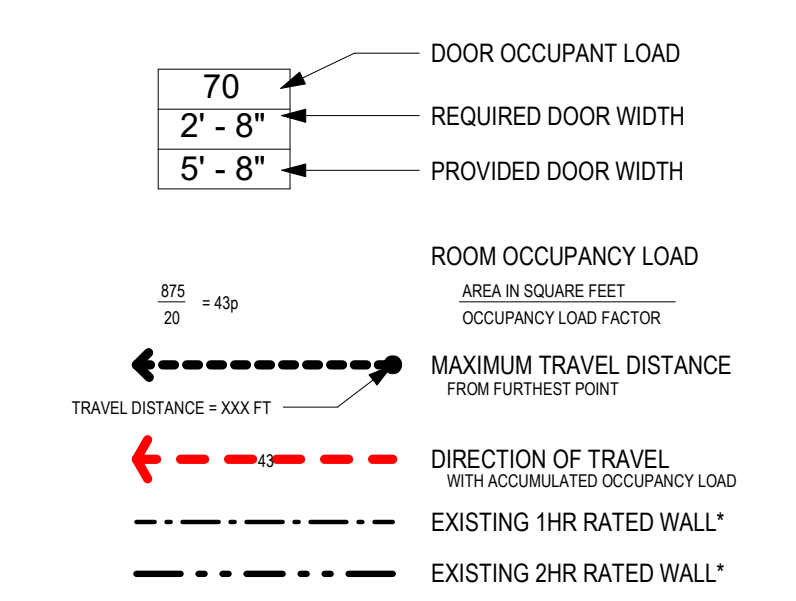
- 7. OCCUPANT LOAD**
1ST FLOOR KITCHEN AREA - 136 OCCUPANTS
BASEMENT UNDER KITCHEN AREA - 9 OCCUPANTS
- 8. PLUMBING FIXTURES**
A HANDICAP ACCESSIBLE SINGLE OCCUPANT BATHROOM HAS BEEN PROVIDED FOR OCCUPANTS OF THE KITCHEN AREA
- 9. SPRINKLERS**
BUILDING IS 100% SPRINKLERED. FIRE PROTECTION MODIFIED FOR NEW PARTITION LAYOUT
- 10. CODES TO WHICH THIS PROJECT WAS DESIGNED**

INTERNATIONAL BUILDING CODE	2015
INTERNATIONAL EXISTING BUILDING CODE	2015
STATE BUILDING CODE- CT SUPPLEMENT	2018
INTERNATIONAL FIRE CODE	2015
STATE FIRE SAFETY CODE - CT SUPPLEMENT	2018
INTERNATIONAL MECHANICAL CODE	2015
INTERNATIONAL PLUMBING CODE	2015
NATIONAL ELECTRICAL CODE	2017
INTERNATIONAL ENERGY CONSERVATION CODE	2015
ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	2009
- 11. EXITING DATA**

MIN NUMBER OF EXITS - 1-500 OCCUPANTS	2 EXITS
500-1,000 OCCUPANTS	3 EXITS
MAX TRAVEL DISTANCE - E USE - 250 FEET (SPRINKLERED)	
COMMON PATH OF TRAVEL - EDUCATIONAL	75 FEET
OCCUPANCY CALCULATED AS FOLLOWS	
ASSEMBLY A-2 AREAS	15 NET SF PER OCCUPANT
BUSINESS AREAS	100 GROSS SF PER OCCUPANT
KITCHEN AREAS	200 GROSS SF PER OCCUPANT
STORAGE AREAS	300 GROSS SF PER OCCUPANT
RAMP CAPACITY	20 INCH/PERSON (SP)
DOOR CAPACITY	20 INCH/PERSON (SP)
CORRIDOR CAPACITY	20 INCH/PERSON (SP)
STAIR CAPACITY	30 INCH/PERSON (SP)
- 12. INTERIOR FINISH REQUIREMENTS (Table 803.11)**

EDUCATIONAL OCCUPANCY	
VERTICAL EXITS	CLASS B
EXIT ACCESS CORRIDORS	CLASS C
ROOMS/ENCLOSED SPACES	CLASS C

LIFE SAFETY LEGEND



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV
Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19
Project Team



MEP Engineer



Structural Engineer



Civil Engineer



Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	KS
Checked	GE
Drawing Name	

LIFE SAFETY PLANS

Drawing Number

LS-101



Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

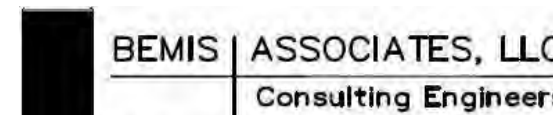
Project Team

Equipment Engineer



Crabtree McGrath Associates, Inc.
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Georgetown, MA 01833
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Structural Engineer



Morrissey Engineering, LLC
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Civil Engineer



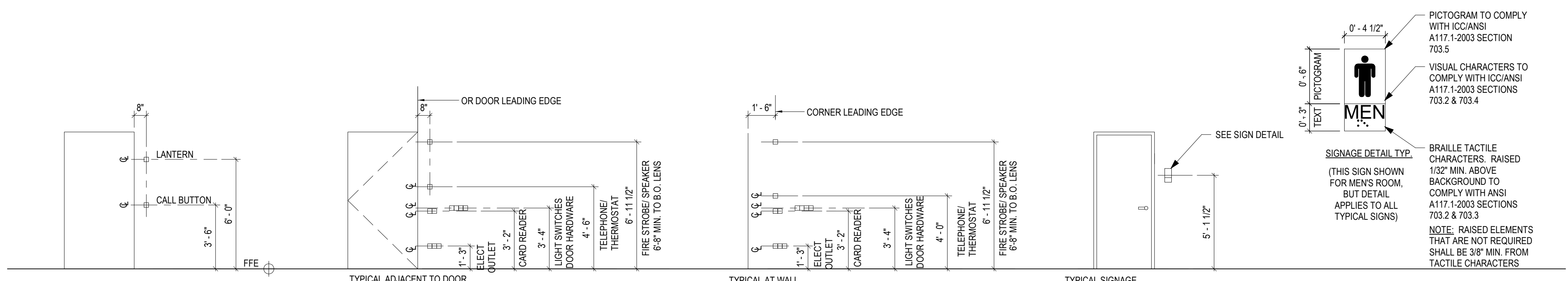
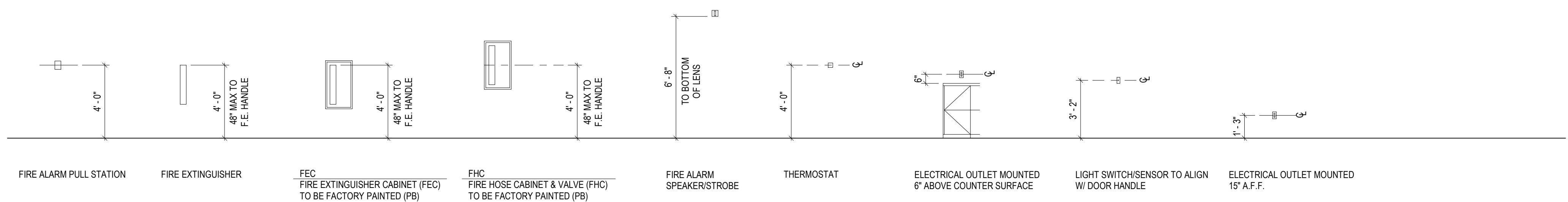
BSC GROUP
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Glastonbury, CT 06033
860-652-8227

GENERAL NOTES

ALL DEVICES WILL BE MOUNTED AS NOTED ABOVE OR AS PER APPLICABLE BUILDING CODE, UNLESS OTHERWISE DIMENSIONED

ALL DEVICES WILL BE MOUNTED AT CENTERLINE OF THE WALL OR WALL SEGMENT, UNLESS OTHERWISE DIMENSIONED.

DEVICES LOCATED AS PER THESE DOCUMENTS TAKE PRECEDENCE OVER FRAMING AND STUD SPACING. FRAMING SHOULD BE MODIFIED TO ACCOMMODATE THE PRECISE LOCATION. CM WILL COORDINATE WITH THE APPROPRIATE TRADES.



NOTE
WHERE A SIGN CONTAINING TACTILE CHARACTERS IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR ON THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. FOR DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES, SIGNS SHALL BE MOUNTED CENTERED ON THE PUSH SIDE OF THE DOOR.

Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/4" = 1'-0"
Drawn	DD
Checked	GE
Drawing Name	

MOUNTING HEIGHTS

Drawing Number

LS-102



Kitchen Code Violation Project

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Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19

Project Team
Equipment Engineer



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Structural Engineer

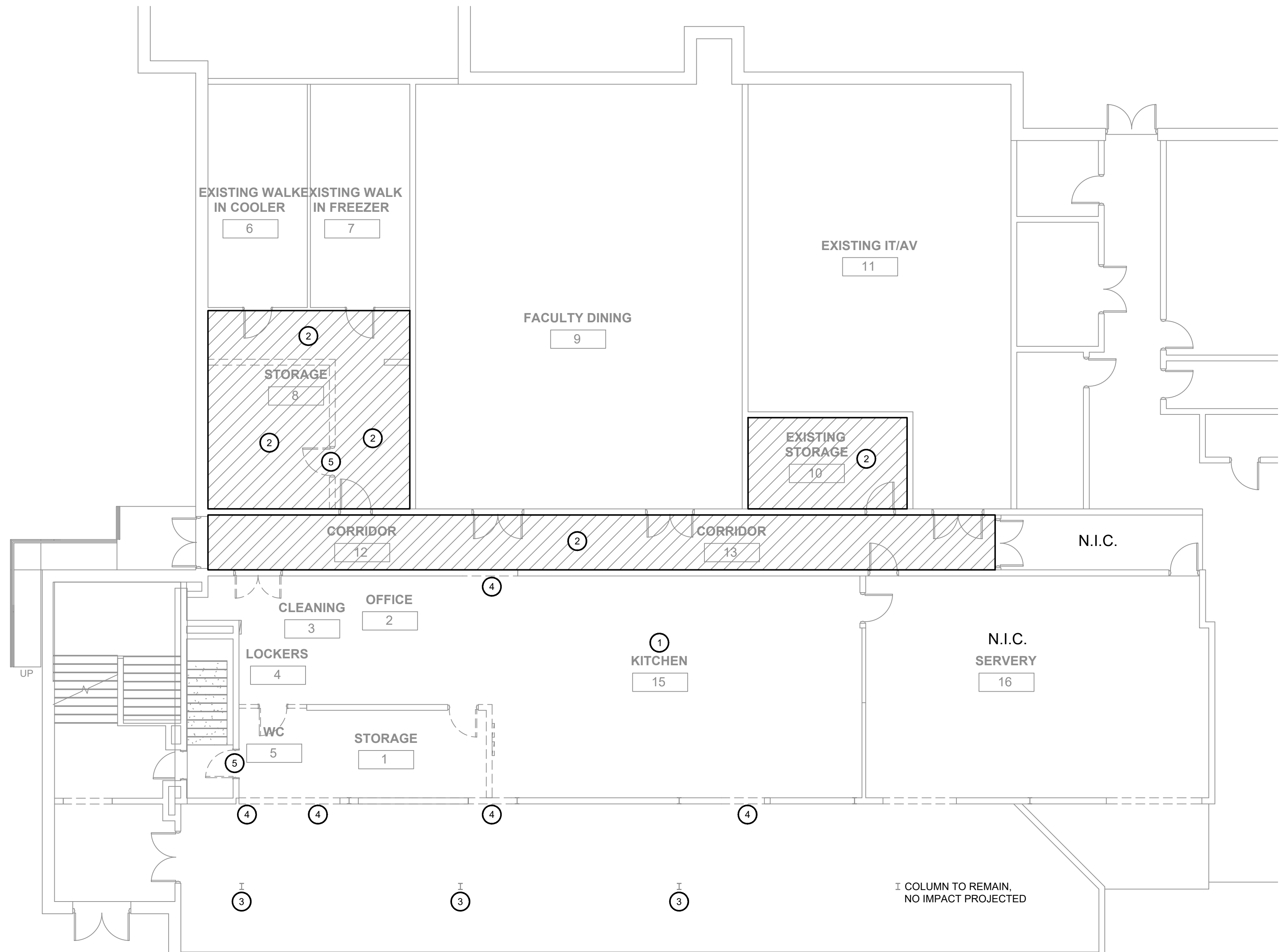


58 Essex Street, Deep River, CT06417
phone 860-532-0312

Civil Engineer



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Glastonbury, CT 06033
860-652-8227



ASBESTOS ABATEMENT NOTES

- ① THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF HVAC SEAM SEALANT AS ACM.
- ② THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF FLOOR TILE AND ASSOCIATED MASTIC AS ACM.
- ③ THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF JOINT COMPOUND AS ACM.
- ④ THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ASPHALTIC FLASHING BEHIND BRICK AS ACM.
- ⑤ THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF FIRE DOOR CORE INSULATION AS ACM.

GENERAL NOTES

1. THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS AND QUANTITIES, AND FOR NOTIFYING THE CONSULTANT OF ANY DISCREPANCIES PRIOR TO FINALIZING BID
2. RENOVATION AREAS REPRESENTED ON THIS DRAWING ARE TO BETTER AID IN THE IDENTIFICATION OF AREAS REQUIRING ABATEMENT. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR RENOVATION INFORMATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY WATER, POWER, HEAT, LIFTS, STAGING, ETC. AS NEEDED AT THE SITE. TEMPORARY LIGHTING WITHIN THE WORK AREAS MUST BE CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTER (GFCI) POWER PANELS INSTALLED BY A STATE OF CONNECTICUT LICENSED ELECTRICIAN, PERMITTED AS REQUIRED, AND LOCATED OUTSIDE THE WORK AREAS.

Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

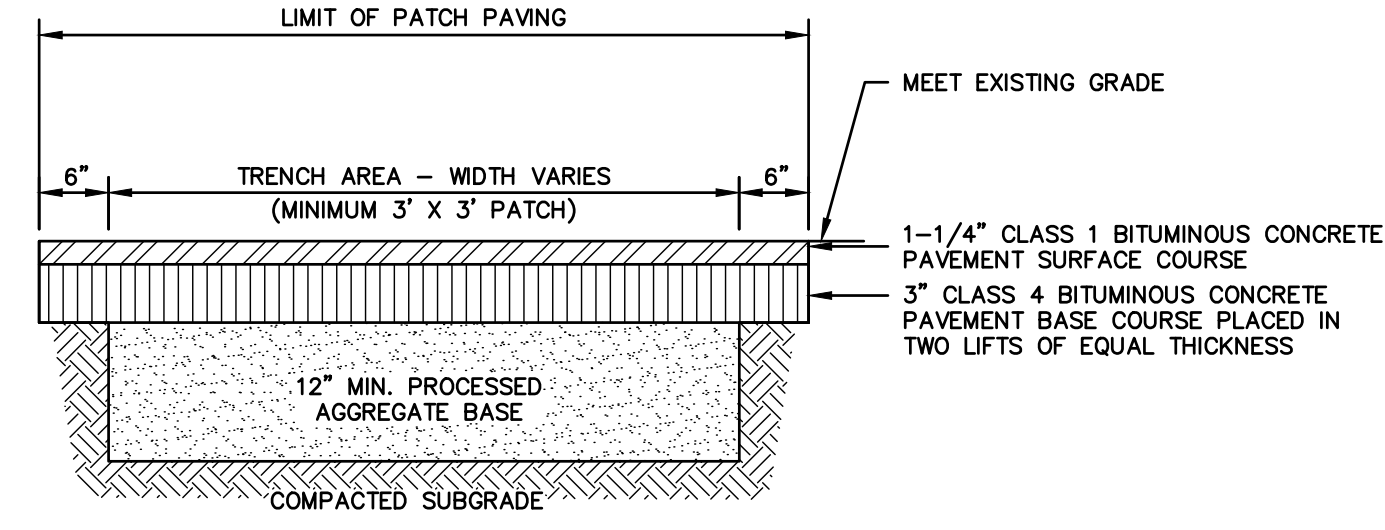
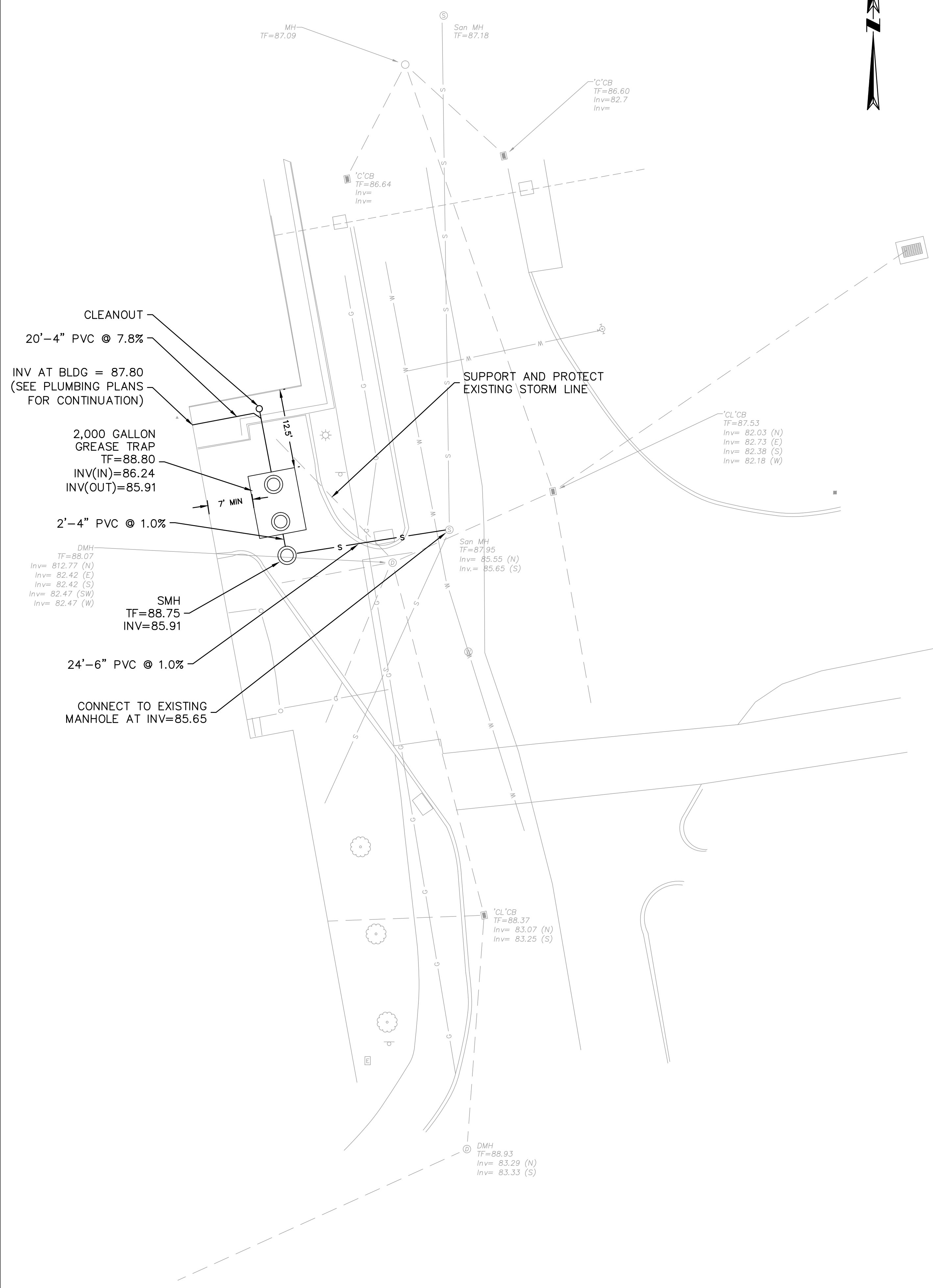
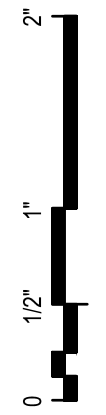
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Date	03/29/19
Job Number	146.01.002
Scale	1/8" = 1'-0"
Drawn	BM
Checked	MM
Drawing Name	

FIRST FLOOR ABATEMENT PLAN PHASE 1

Drawing Number

HA-001

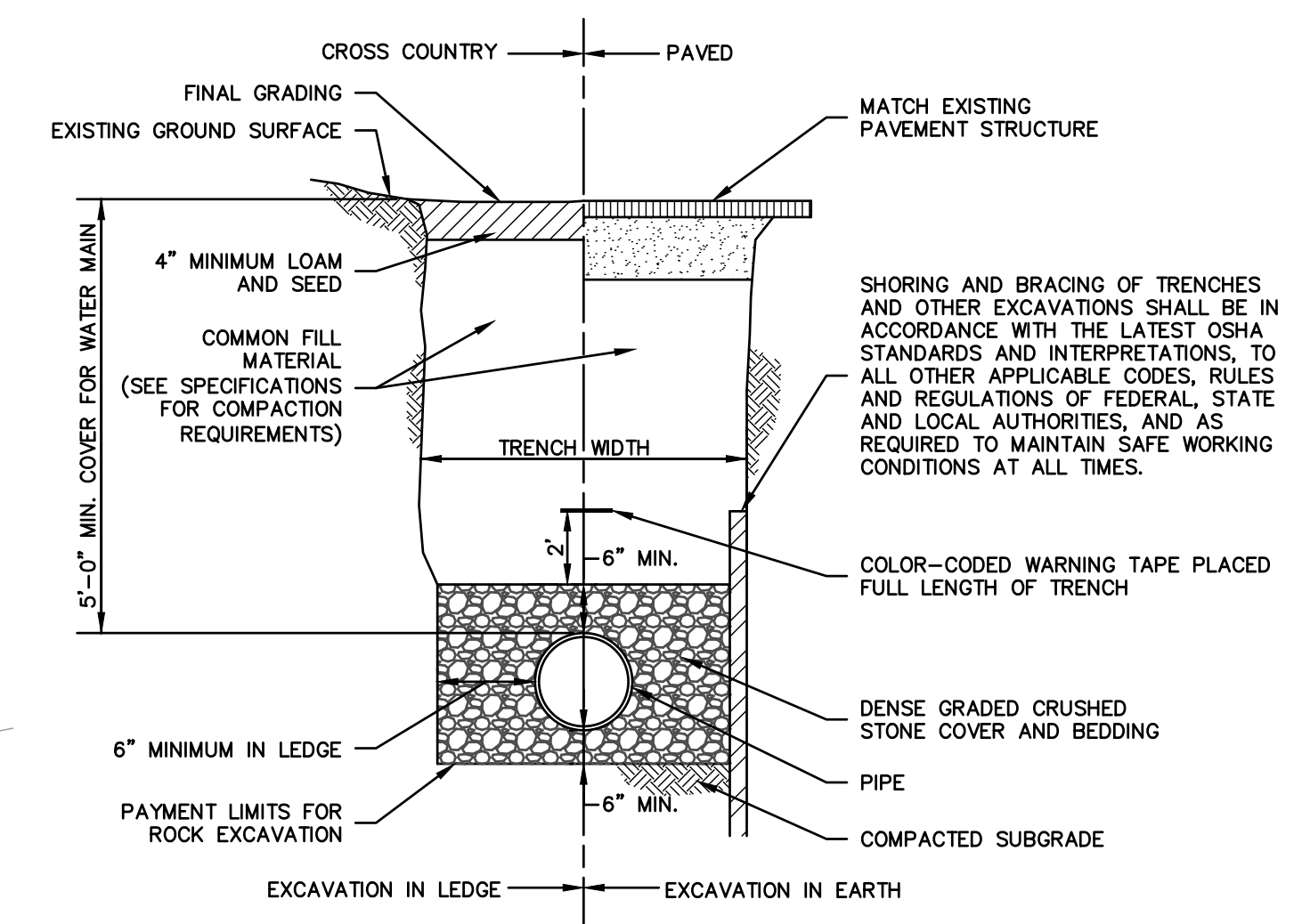
1 FIRST FLOOR ABATEMENT PLAN
1/8" = 1'-0"



- GENERAL NOTES**
1. PAVEMENT TO BE SAW CUT
 2. JOINT TO BE PROPERLY SEALED

PAVEMENT PATCH

SCALE: NONE
PVT-108-CT

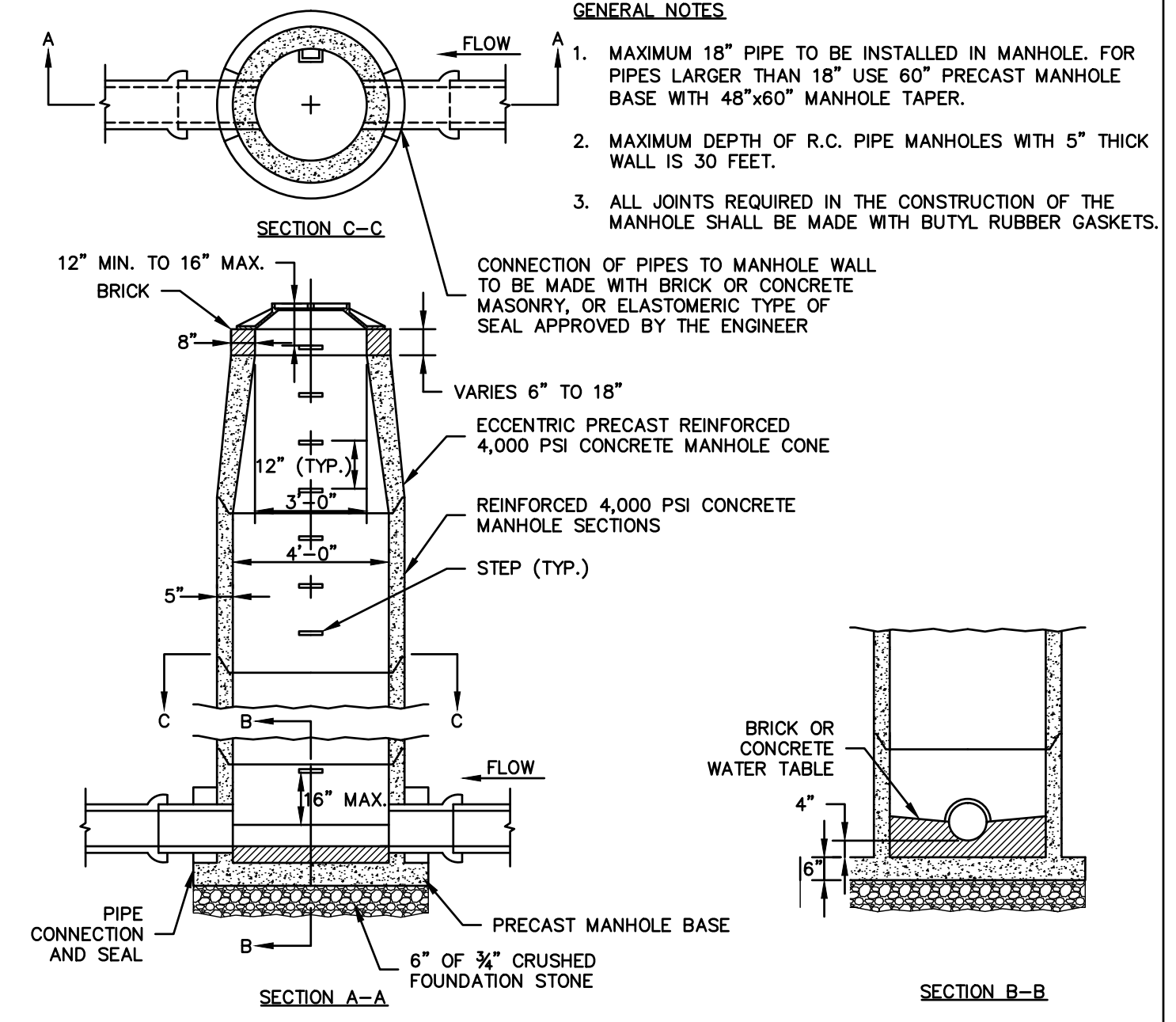


TYPICAL PIPE TRENCH SECTION

SCALE: NONE
UTY-103-CT

NOTES:

1. CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
2. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLANS MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED. VERIFY ALL TIE-IN POINTS, ROUTING, CONFLICTS, CROSSINGS, AND BUILDING CONNECTION POINTS TO FACILITATE THE COMPLETION OF THE WORK.
3. PERFORM EXPLORATORY EXCAVATIONS AS REQUIRED TO VERIFY THE AS-BUILT LOCATION OF EXISTING SUBSURFACE UTILITIES WHERE CROSSINGS OR OTHER POTENTIAL CONFLICTS ARE PRESENT.
4. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
5. THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.



PRECAST SANITARY SEWER MANHOLE

SCALE: NONE
SWR-102-CT

- GENERAL NOTES**
1. MAXIMUM 18" PIPE TO BE INSTALLED IN MANHOLE. FOR PIPES LARGER THAN 18" USE 60" PRECAST MANHOLE BASE WITH 48"x60" MANHOLE TAPER.
 2. MAXIMUM DEPTH OF R.C. PIPE MANHOLES WITH 5" THICK WALL IS 30 FEET.
 3. ALL JOINTS REQUIRED IN THE CONSTRUCTION OF THE MANHOLE SHALL BE MADE WITH BUTYL RUBBER GASKETS.



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Kitchen Code Violation Project

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330 Hubbard St, Glastonbury, CT 06033
GL-2019-19
Project Team



MEP Engineer



Structural Engineer



Civil Engineer



Revisions

Issue Record

Seal

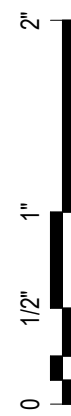
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	1" = 10'-0"
Drawn	JK
Checked	RSN
	Drawing Name

SITE UTILITIES PLAN

Drawing Number

C-101



GENERAL STRUCTURAL NOTES

CODES AND STANDARDS

- 2018 CONNECTICUT STATE BUILDING CODE.
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" - AISC-10 (AISC)
- AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" II ACI 318-14 (ACI)
- AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530-13 (ACI 530)
- AMERICAN IRON AND STEEL INSTITUTE "NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 2012 (AIS)
- AMERICAN WOOD COUNCIL "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH 2015 SUPPLEMENT" (AWC)

GENERAL

- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING TO MAINTAIN THE STABILITY, SAFETY, AND LATERAL LOAD RESISTANCE OF THE BUILDING AND ITS INDIVIDUAL COMPONENTS THROUGHOUT CONSTRUCTION.
- DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.
- DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE GENERALLY OBTAINED FROM THE ARCHITECT AND ARE INCLUDED AS INFORMATION COMPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. LAYOUT OF BUILDING FOUNDATIONS OR OTHER ITEMS MAY BE MADE USING THE DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ONLY IF THE CONTRACTOR HAS COMPARED THESE DRAWINGS WITH THE ARCHITECTURAL DRAWING AND HAS RECEIVED CLARIFICATION, FROM THE ARCHITECT, REGARDING ANY ERRORS, INCONSISTENCIES, OR OMISSIONS.
- DO NOT SCALE DRAWINGS TO OBTAIN INFORMATION.

DEFERRED SUBMITTALS:

- CFMF

BUILDING DESIGN LOADS

- DESIGN LIVE LOADS
KITCHEN: 150 PSF

REINFORCED CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT (UNLESS INDICATED AS LIGHT WEIGHT ON PLANS) WITH A 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:

SLABS ON GRADE	4000 PSI	W/C<0.50
CONCRETE SLABS ON DECK	3500 PSI	W/C<0.55

**NORMAL WEIGHT CONCRETE TO HAVE A UNIT WEIGHT OF: 150-154PSF(WET)/146-150PSF(DRY)
LIGHT WEIGHT CONCRETE TO HAVE A UNIT WEIGHT OF: 120-125PSF(WET)/115-120PSF(DRY)**

- ALL CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL BE AIR ENTRAINED.
- ALL REINFORCING BARS SHALL BE HIGH STRENGTH DEFORMED BARS CONFORMING TO ASTM A 615 II GRADE 60.
- ALL REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH ACI DETAILING MANUAL. SHOW THE NUMBER AND LOCATION OF ALL BAR SUPPORTS AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT IN POSITIONS INDICATED ON THE PLACING DRAWINGS.
- MINIMUM CLEAR COVER FOR REINFORCEMENT WHEN NOT OTHERWISE INDICATED SHALL BE:

CONCRETE POURED AGAINST EARTH 3"

CONCRETE POURED IN FORMS BUT EXPOSED TO EARTH OR WEATHER:

- A. BARS #5 AND SMALLER 1 1/2"
- B. BARS LARGER THAN #5 2"

SLABS, WALLS NOT EXPOSED TO EARTH OR WEATHER 3/4"

- NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. DEVELOPMENT / SPLICE LENGTH SHALL BE AS SHOWN ON THE TABLE IN THE TYPICAL DETAILS UNLESS OTHERWISE NOTED. VALUES SHOWN ARE IN INCHES. MAKE ALL BARS CONTINUOUS AROUND CORNERS.
- SLABS, BEAMS AND WALLS SHALL HAVE NO JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT CENTER OF SPAN OR AT CENTER OF SUPPORT WITH VERTICAL BULKHEADS, HORIZONTAL KEYS AND REINFORCING CONTINUING THROUGH. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY THE STRUCTURAL ENGINEER.
- WIRE MESH REINFORCEMENT MUST LAP ONE FULL MESH AT SIDE AND END LAPS, AND SHALL BE WIRED TOGETHER. PROVIDE ADEQUATE SUPPORTS FOR MESH TO ENSURE ITS LOCATION AS SHOWN ON DRAWINGS.
- FOR SLAB ON GRADE AREAS WITHIN BUILDING PERIMETER, REMOVE ALL SURFACE TOPSOIL, PAVEMENT, AND OTHER UNSUITABLE MATERIALS. REPLACE WITH COMPACTED GRANULAR FILL.
- COMPLY WITH CRSI (LATEST EDITION), RECOMMENDED PRACTICE FOR "PLACING REINFORCING BARS".
- COMPLY WITH ACI 347 (LATEST EDITION) "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK".
- COMPLY WITH ACI 301 (LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- READY MIX CONCRETE SHALL BE IN ACCORDANCE WITH ASTM C94.
- COMPLY WITH ACI 304 (LATEST EDITION) FOR CONCRETE PLACEMENT.

MASONRY

- ALL MASONRY SHALL DEVELOP 1500 PSI ULTIMATE COMPRESSIVE STRENGTH (F_m) IN 28 DAYS.
 - ALL MORTAR SHALL BE TYPE S.
 - FILL ALL VOIDS AND BLOCK CELLS SOLIDLY WITH GROUT FOR A DISTANCE OF 24" BENEATH AND 12" EACH SIDE OF ALL BEAM REACTIONS OR OTHER CONCENTRATED LOADS.
 - ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
 - ALL REINFORCING IN MASONRY SHALL BE FULLY GROUTED IN PLACE USING HIGH LIFT (OR LOW LIFT) GROUTING TECHNIQUES. SEE SPECIFICATIONS FOR DETAILS. CLEANOUTS SHALL BE PROVIDED FOR ALL GROUT POURS OVER 5 FEET IN HEIGHT AND SHALL BE PROVIDED AT THE BOTTOM OF ALL VERTICAL CELLS CONTAINING REINFORCING.
 - NO SPLICES IN REINFORCING BARS SHALL BE MADE EXCEPT AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. WHERE PERMITTED, ALL SPLICES SHALL BE LAPPED AS FOLLOWS
- | | |
|---------|----------|
| #3 BARS | - 11'-6" |
| #4 BARS | - 21'-0" |
| #5 BARS | - 21'-6" |
| #6 BARS | - 31'-0" |
| #7 BARS | - 31'-6" |
- VERTICAL REINFORCING BARS SHALL BE PLACED USING GALVANIZED OR PLASTIC BAR POSITIONERS.
 - HORIZONTAL REINFORCING SHALL BE 9 GAGE WIRE CONFORMING TO ASTM A82 AND SHALL BE PLACED EVERY OTHER COURSE U.N.O.
 - ALL MASONRY SHALL BE PLACED IN RUNNING BOND U.N.O.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE ON THE DRAWINGS:

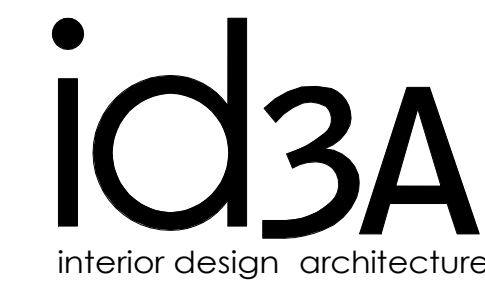
ALL WIDE FLANGE SHAPES:	ASTM A572 OR A992, GRADE 50
ALL TUBULAR SECTIONS:	ASTM A500, GRADE B
ALL PIPE SECTIONS:	ASTM A53, GRADE B
ANCHOR RODS:	ASTM F1554, GRADE 55
ALL MISC. PLATES AND CONNECTION MATERIALS:	ASTM A36

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ASD OR LRFD AND THE AISC CODE OF STANDARD PRACTICE.
- ALL STEEL DECK SHALL BE DETAILED, ERECTED AND FASTENED IN ACCORDANCE WITH THE MANUFACTURER'S SUGGESTED SPECIFICATIONS AND THE CURRENT STEEL DECK INSTITUTE SPECIFICATIONS.
- PROVIDE ALL PLATES, CLIP ANGLES, CLOSURE PIECES, STRAP ANCHORS, MISCELLANEOUS PIECES, AND HOLES REQUIRED TO COMPLETE THE STRUCTURE.

POST-INSTALLED FASTENERS AND ANCHORS

- ALL HOLES INTO MASONRY OR CONCRETE WALLS FOR PROPRIETARY ANCHORING SYSTEMS SHALL BE DRILLED AND CLEANED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL PROPRIETARY ANCHORING SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND USING ALL RECOMMENDED ACCESSORIES AND SUPPLEMENTAL COMPONENTS SUCH AS SCREEN TUBES, WASHERS, ETC.
- ALL HOLES IN HOLLOW MASONRY SHALL BE DRILLED WITH ROTARY DRILLS. HAMMER DRILLS ARE NOT PERMITTED.
- ALL EPOXY ADHESIVE SHALL BE HILTI RE-500, SIMPSON ET OR APPROVED EQUAL. U.N.O.
- ALL ACRYLIC ADHESIVE SHALL BE HILTI HIT (HY200 OR HY70), SIMPSON AT OR APPROVED EQUAL. U.N.O.
- ALL CONCRETE / MASONRY SCREW ANCHORS SHALL BE HILTI HUS-H, SIMPSON THEN, HW TAP-CON OR APPROVED EQUAL. U.N.O.
- ALL EXPANSION ANCHORS SHALL BE HILTI KWIK-BOLT 3, SIMPSON WEDGE-ALL OR APPROVED EQUAL. U.N.O.

FOR STRUCTURAL NOTES INCLUDING CONCRETE AND MASONRY REQUIREMENTS, SEE 5-001.
FOR STRUCTURAL PLAN, SEE 5-101.
FOR TYPICAL STRUCTURAL DETAILS AND SECTIONS, SEE 5-201.



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Kitchen Remodel

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St., Glastonbury, CT 06033

GL-2019-19

Project Team

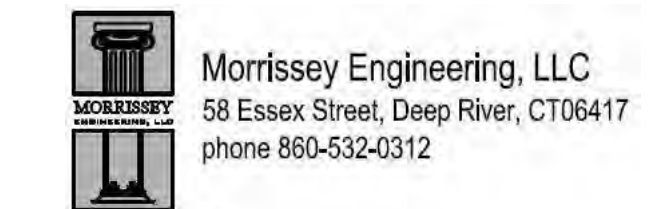
Equipment Engineer



MEP Engineer



Structural Engineer



Civil Engineer



Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date March 29, 2019

Job Number GL-2019-19

Scale

Drawn EAM

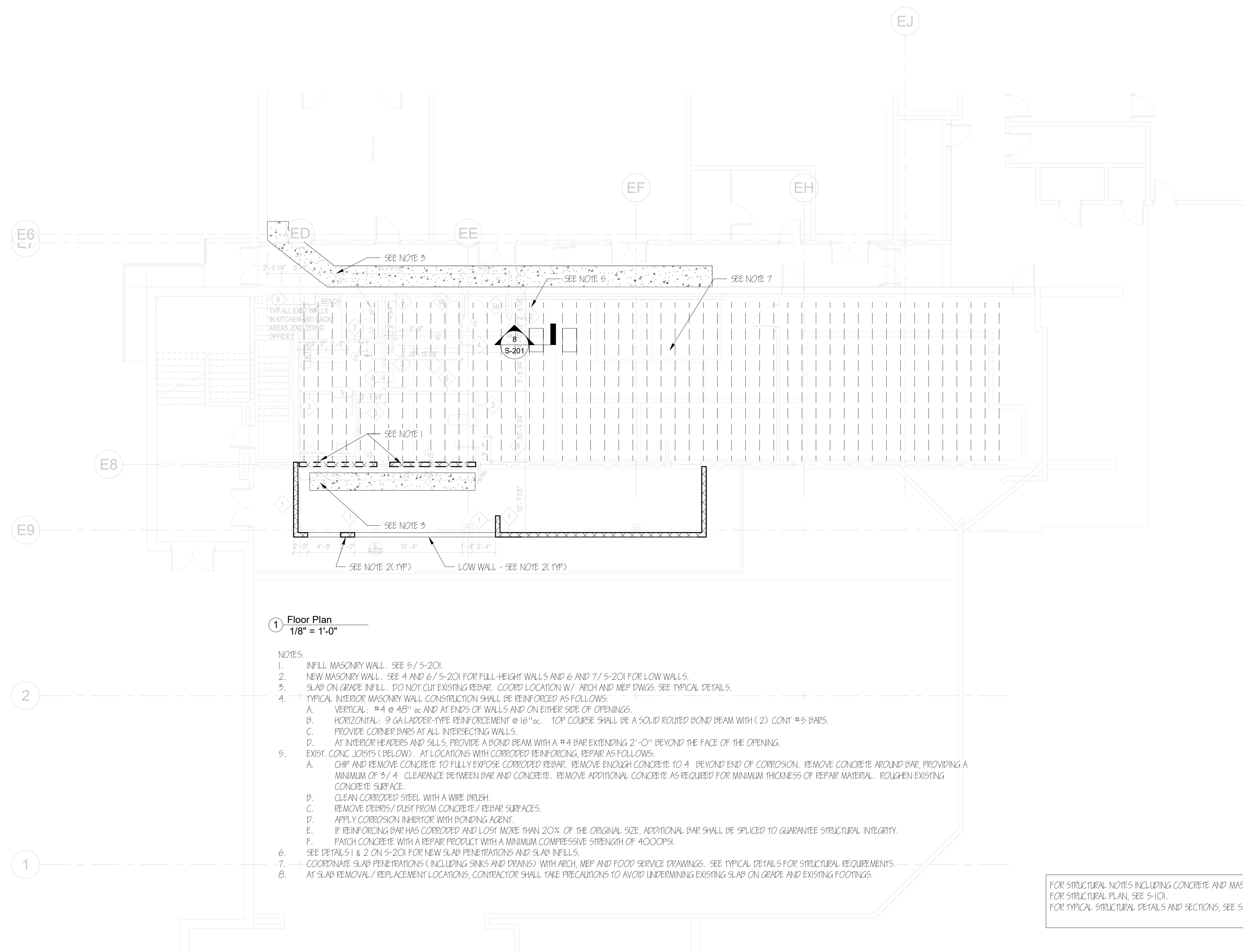
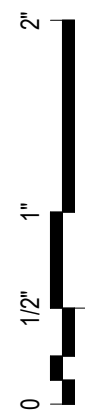
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Drawing Name

GENERAL NOTES

Drawing Number

S-001



1 Floor Plan
1/8" = 1'-0"

NOTES:

1. INFILL MASONRY WALL. SEE S/5-201.
2. NEW MASONRY WALL. SEE 4 AND 6/5-201 FOR FULL-HEIGHT WALLS AND 6 AND 7/5-201 FOR LOW WALLS.
3. SLAB ON GRADE INFILL. DO NOT CUT EXISTING REBAR. COORD LOCATION W/ ARCH AND MEP DWGS. SEE TYPICAL DETAILS.
4. TYPICAL INTERIOR MASONRY WALL CONSTRUCTION SHALL BE REINFORCED AS FOLLOWS:
 - A. VERTICAL: #4 @ 48" oc AND AT ENDS OF WALLS AND ON EITHER SIDE OF OPENINGS.
 - B. HORIZONTAL: 9 GA LADDER-TYPE REINFORCEMENT @ 16" oc. TOP COURSE SHALL BE A SOLID ROUTED BOND BEAM WITH (2) CONT #5 BARS.
 - C. PROVIDE CORNER BARS AT ALL INTERSECTING WALLS.
 - D. AT INTERIOR HEADERS AND SILLS, PROVIDE A BOND BEAM WITH A #4 BAR EXTENDING 2'-0" BEYOND THE FACE OF THE OPENING.
5. EXIST. CONC JOISTS (BELOW). AT LOCATIONS WITH CORRODED REINFORCING, REPAIR AS FOLLOWS:
 - A. CHIP AND REMOVE CONCRETE TO FULLY EXPOSE CORRODED REBAR. REMOVE ENOUGH CONCRETE TO 4" BEYOND END OF CORROSION. REMOVE CONCRETE AROUND BAR, PROVIDING A MINIMUM OF 3/4" CLEARANCE BETWEEN BAR AND CONCRETE. REMOVE ADDITIONAL CONCRETE AS REQUIRED FOR MINIMUM THICKNESS OF REPAIR MATERIAL. ROUGHEN EXISTING CONCRETE SURFACE.
 - B. CLEAN CORRODED STEEL WITH A WIRE BRUSH.
 - C. REMOVE DEBRIS / DUST FROM CONCRETE / REBAR SURFACES.
 - D. APPLY CORROSION INHIBITOR WITH BONDING AGENT.
 - E. IF REINFORCING BAR HAS CORRODED AND LOST MORE THAN 20% OF THE ORIGINAL SIZE, ADDITIONAL BAR SHALL BE SPLICED TO GUARANTEE STRUCTURAL INTEGRITY.
 - F. PATCH CONCRETE WITH A REPAIR PRODUCT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000PSI.
6. SEE DETAILS 1 & 2 ON S-201 FOR NEW SLAB PENETRATIONS AND SLAB INFILLS.
7. COORDINATE SLAB PENETRATIONS (INCLUDING SINKS AND DRAINS) WITH ARCH, MEP AND FOOD SERVICE DRAWINGS. SEE TYPICAL DETAILS FOR STRUCTURAL REQUIREMENTS.
8. AT SLAB REMOVAL / REPLACEMENT LOCATIONS, CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID UNDERMINING EXISTING SLAB ON GRADE AND EXISTING FOOTINGS.

FOR STRUCTURAL NOTES INCLUDING CONCRETE AND MASONRY REQUIREMENTS, SEE S-001.
FOR STRUCTURAL PLAN, SEE S-101.
FOR TYPICAL STRUCTURAL DETAILS AND SECTIONS, SEE S-201.

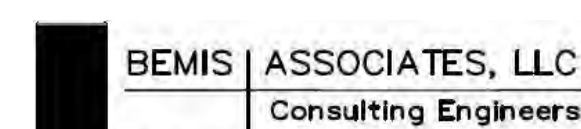
Kitchen Remodel

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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date	March 29, 2019
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Drawn	BAM
Checked	DJM

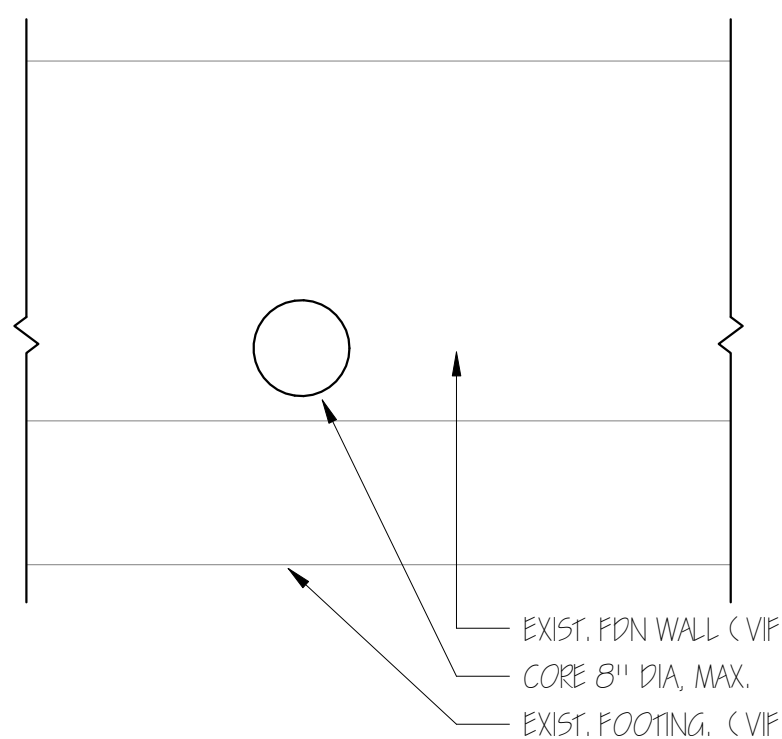
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FIRST FLOOR PLAN

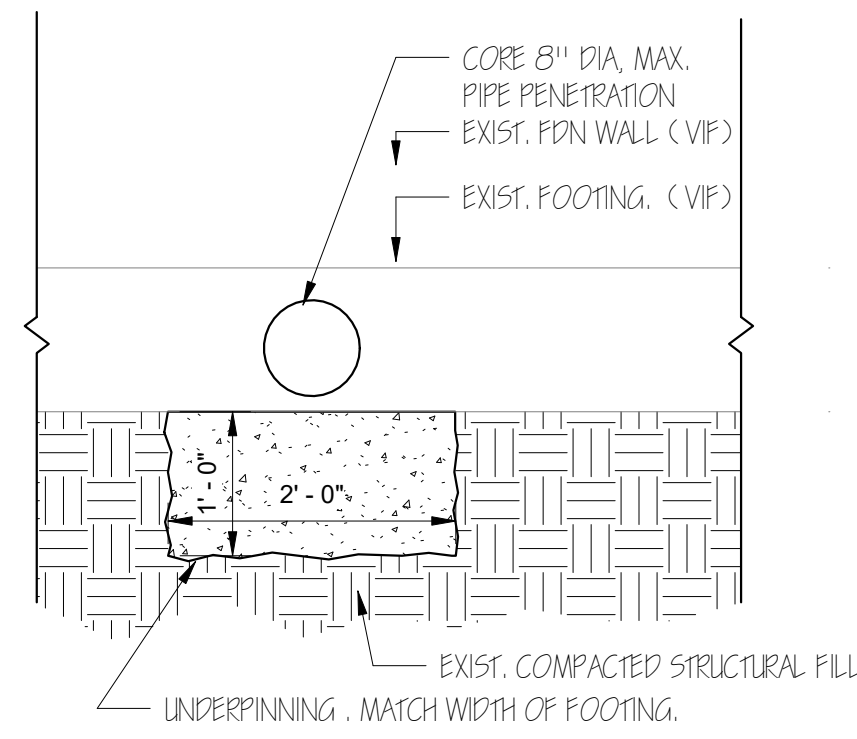
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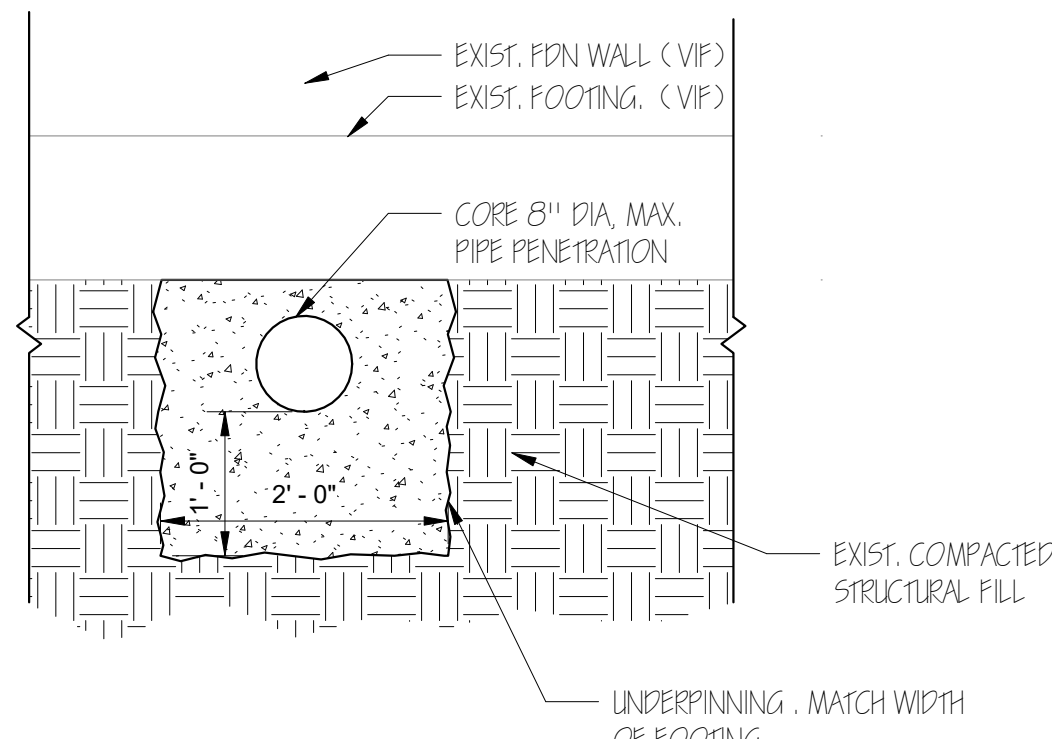
0 1/2" 1" 2"



OPTION 1: PIPE PASSES THROUGH FOUNDATION WALL

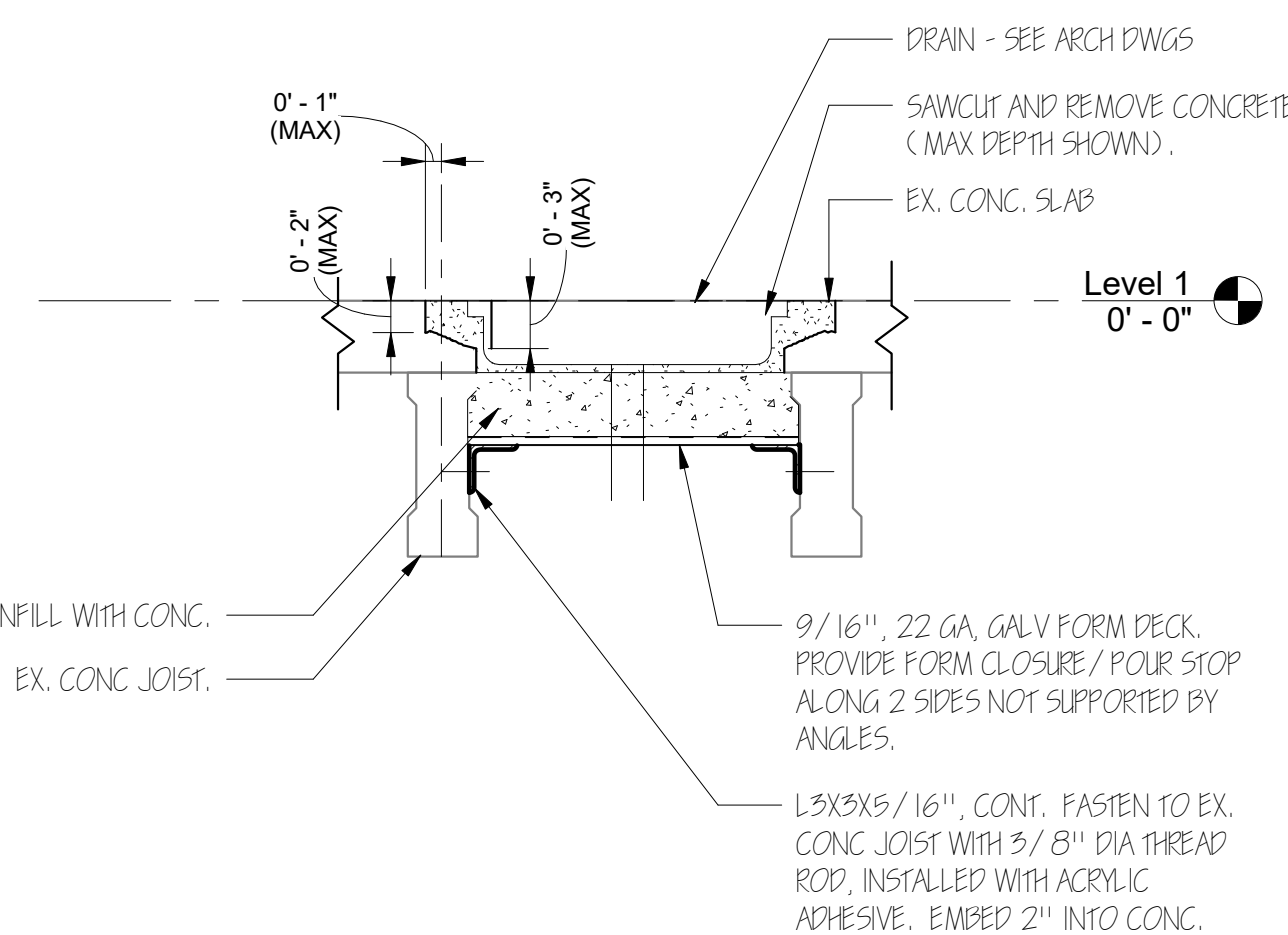


OPTION 2: PIPE PASSES THROUGH FOOTING

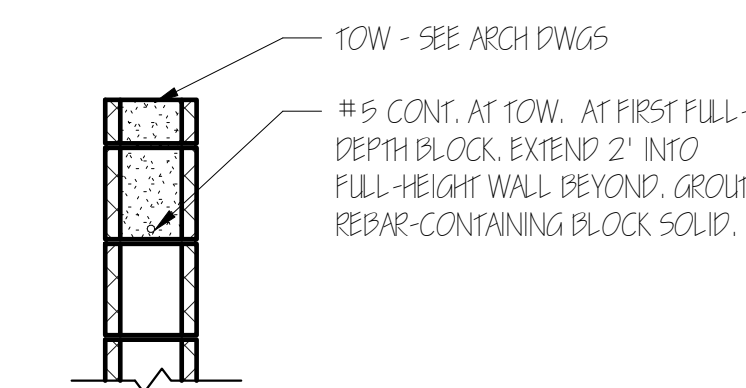


OPTION 3: PIPE PASSES BELOW FOOTING

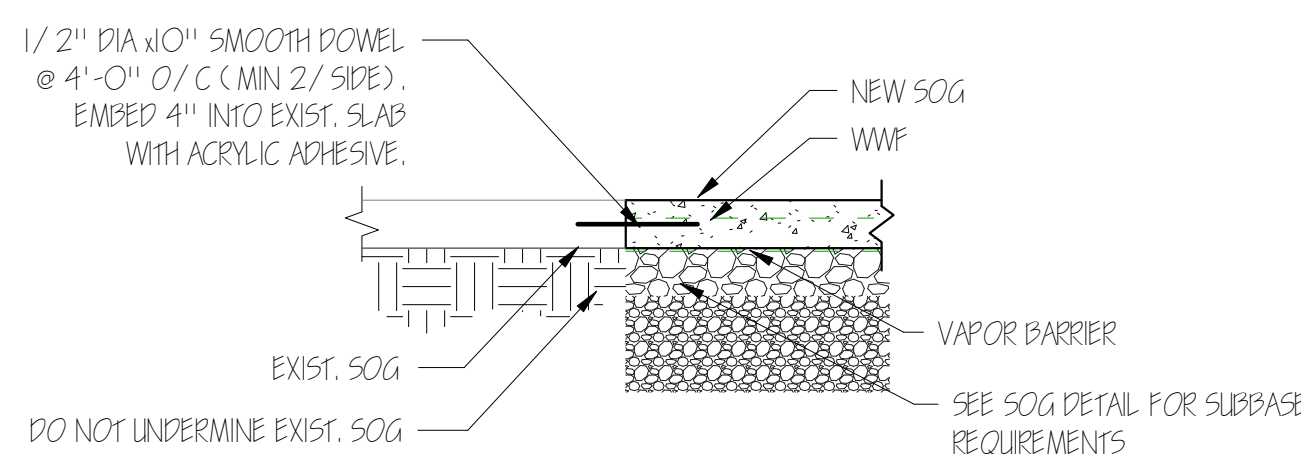
11 TYPICAL PENETRATION AT EXTERIOR FOUNDATION WALL
3/4" = 1'-0"



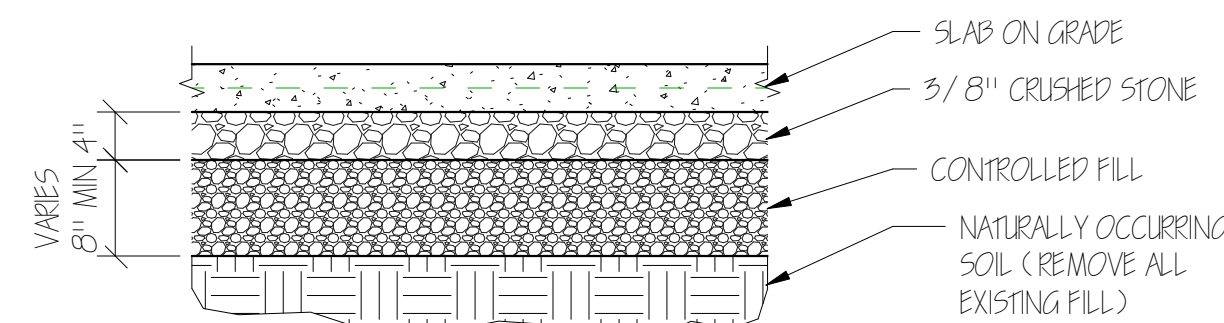
8 SECTION AT TRENCH DRAIN
1" = 1'-0"



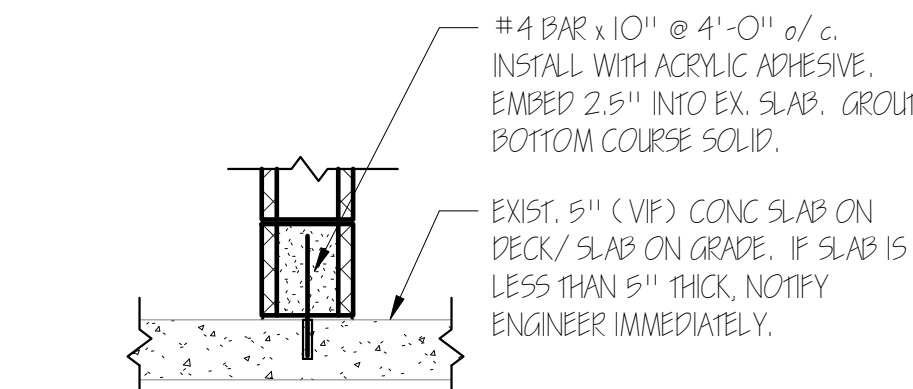
7 TOP OF MASONRY KNEE WALL DETAIL
3/4" = 1'-0"



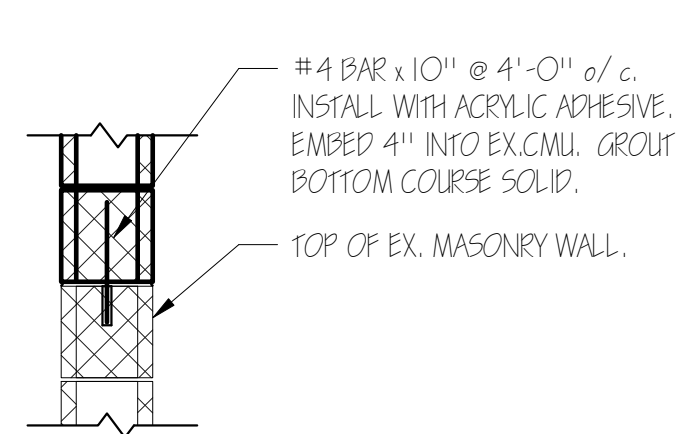
10 TYPICAL SLAB ON GRADE JOINT AT EX. SLAB
3/4" = 1'-0"



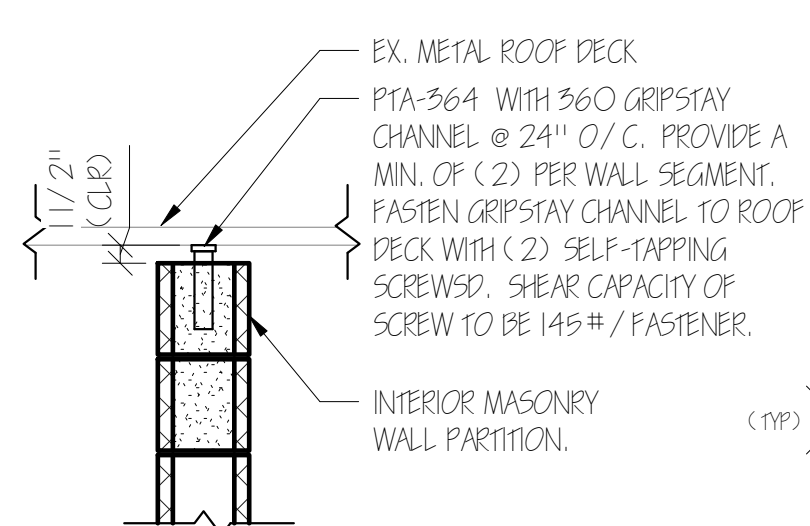
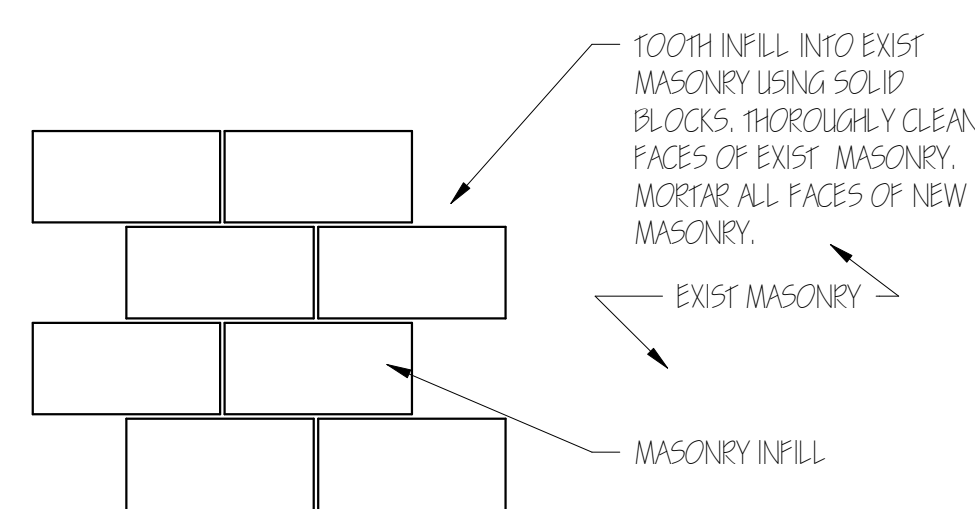
9 TYPICAL SLAB ON GRADE DETAIL
3/4" = 1'-0"



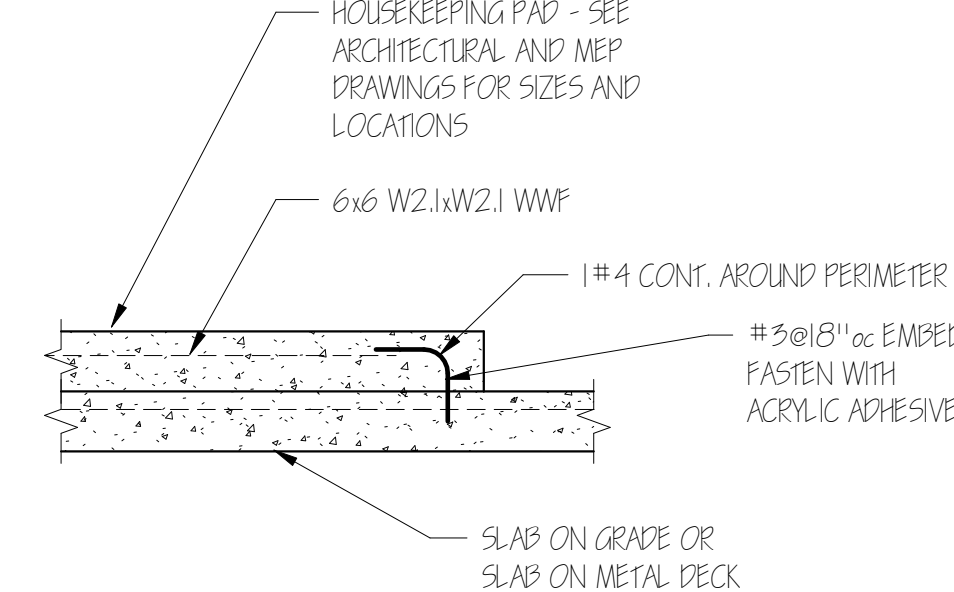
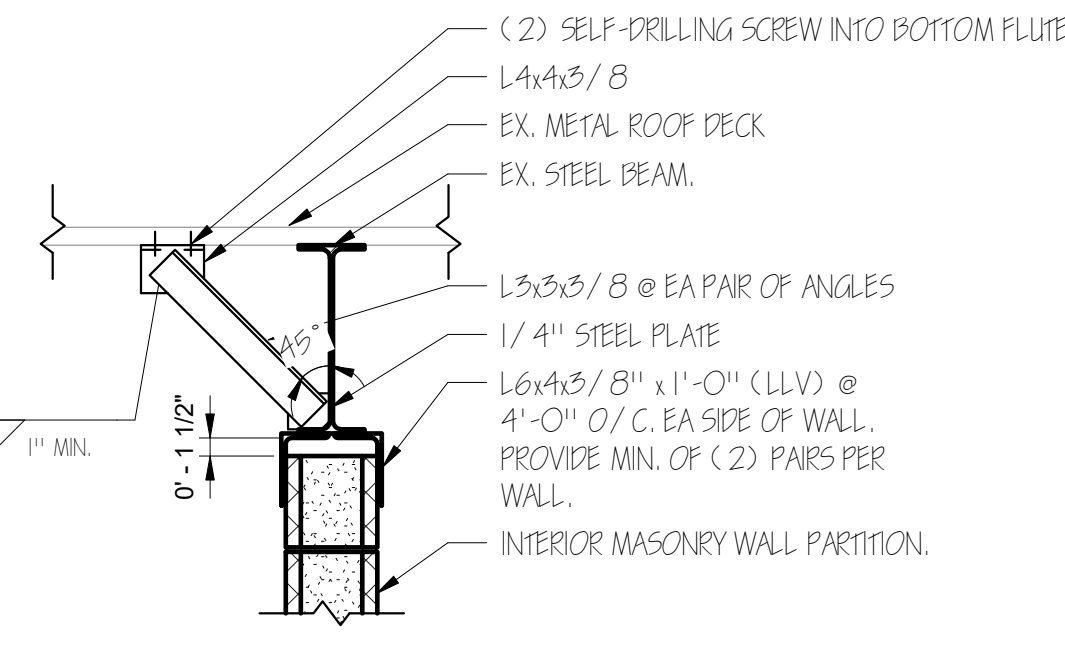
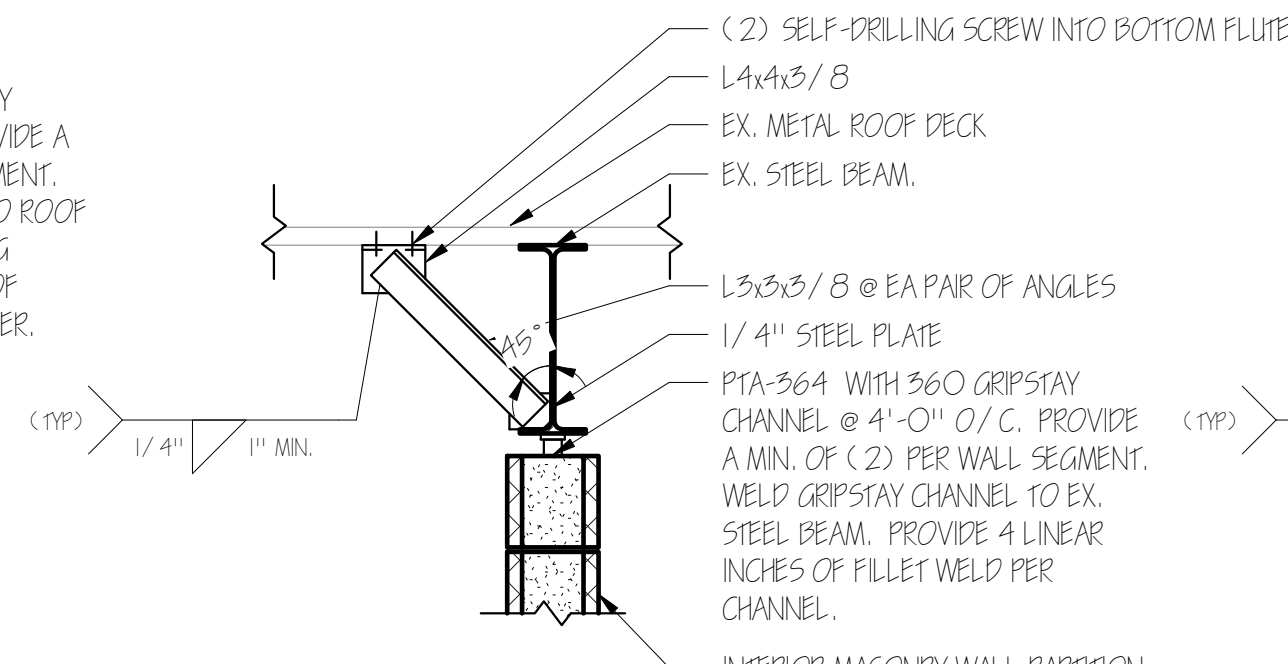
6 BOTTOM OF MASONRY WALL DETAIL
3/4" = 1'-0"



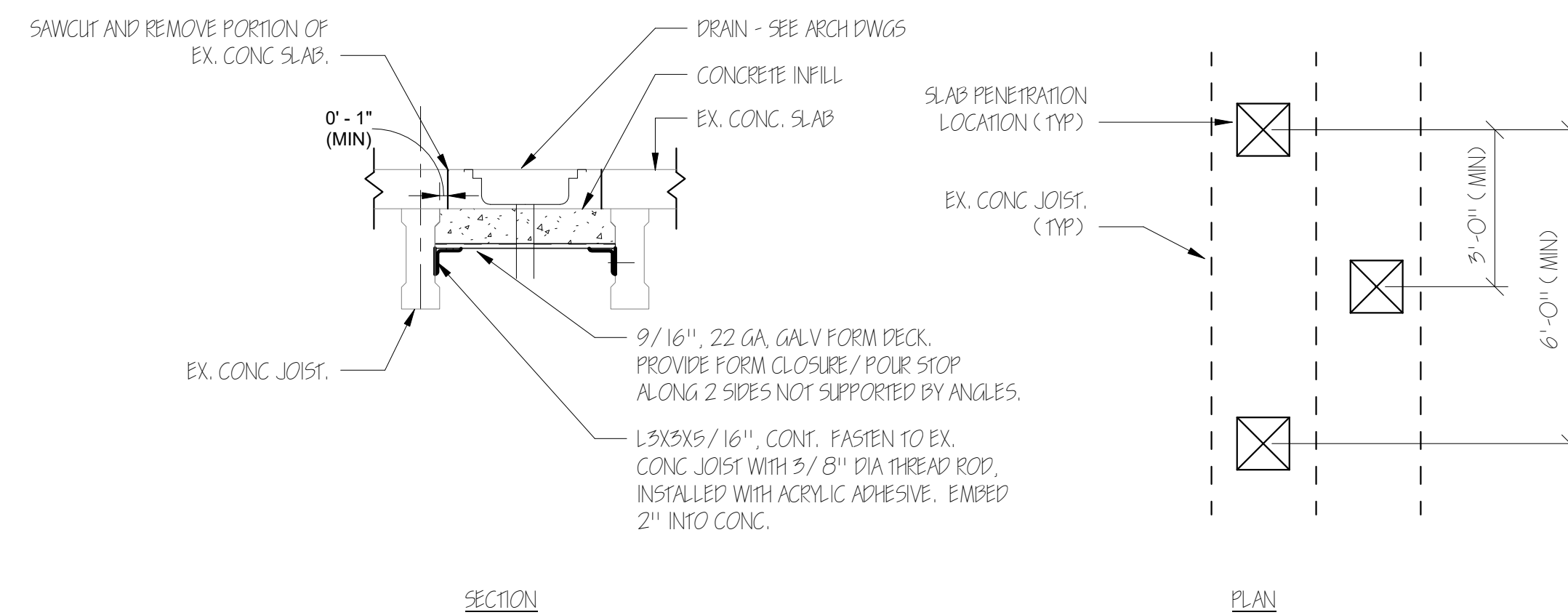
5 MASONRY INFILL DETAILS
3/4" = 1'-0"



4 TOP OF MASONRY WALL DETAILS
3/4" = 1'-0"



3 TYPICAL HOUSEKEEPING PAD
3/4" = 1'-0"

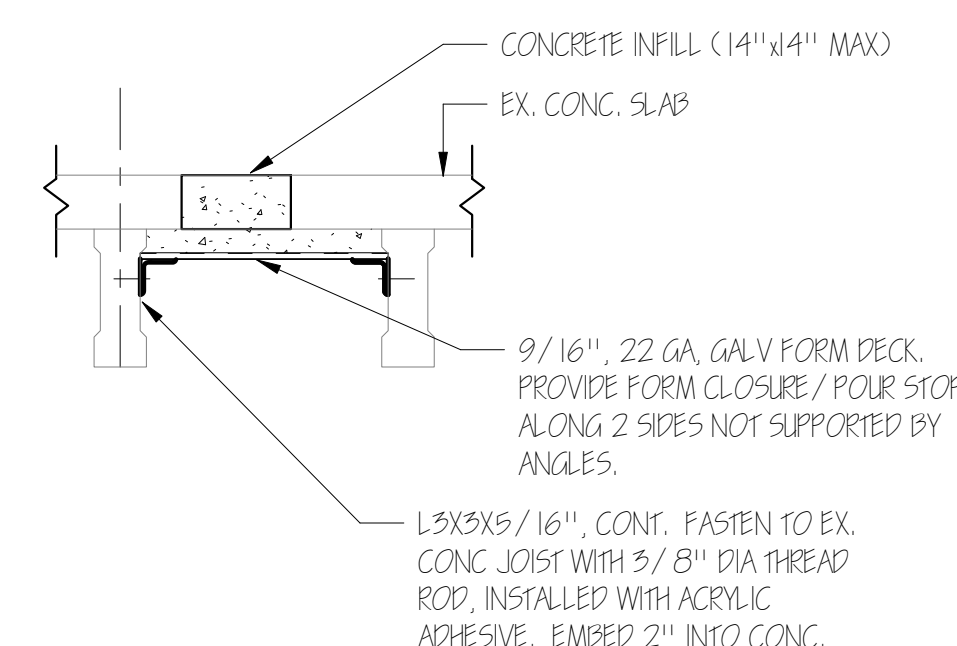


SECTION

PLAN

- NOTES:
1. MAXIMUM PENETRATION SIZE TO BE 11"x11".
2. SEE PLAN VIEW FOR SPACING REQUIREMENTS. COORDINATE LOCATIONS WITH ARCH AND PLUMBING DRAWINGS.

1 TYPICAL SLAB PENETRATION DETAIL
3/4" = 1'-0"



2 TYPICAL SLAB INFILL DETAIL
3/4" = 1'-0"

FOR STRUCTURAL NOTES INCLUDING CONCRETE AND MASONRY REQUIREMENTS, SEE 5-001.
FOR STRUCTURAL PLAN, SEE 5-101.
FOR TYPICAL STRUCTURAL DETAILS AND SECTIONS, SEE 5-201.

Kitchen Remodel

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St., Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer



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Revisions

Issue Record

Seal

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Drawing Information

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Scale As indicated

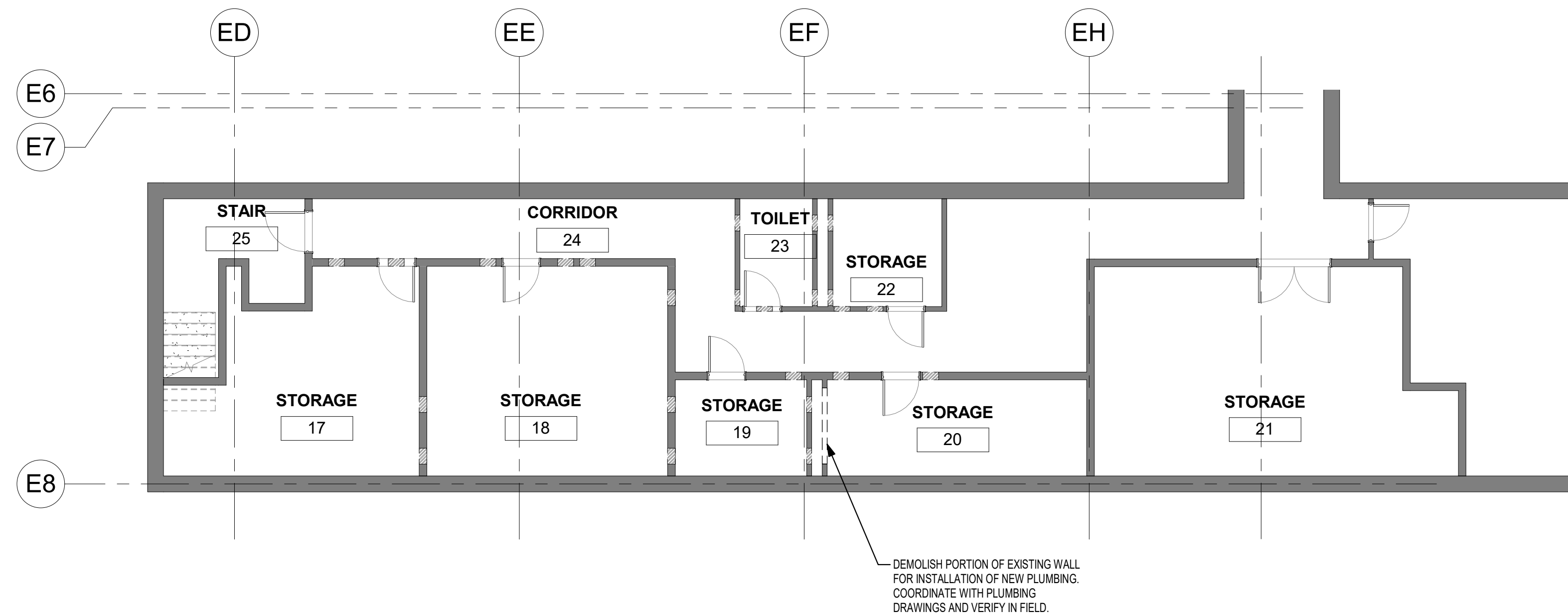
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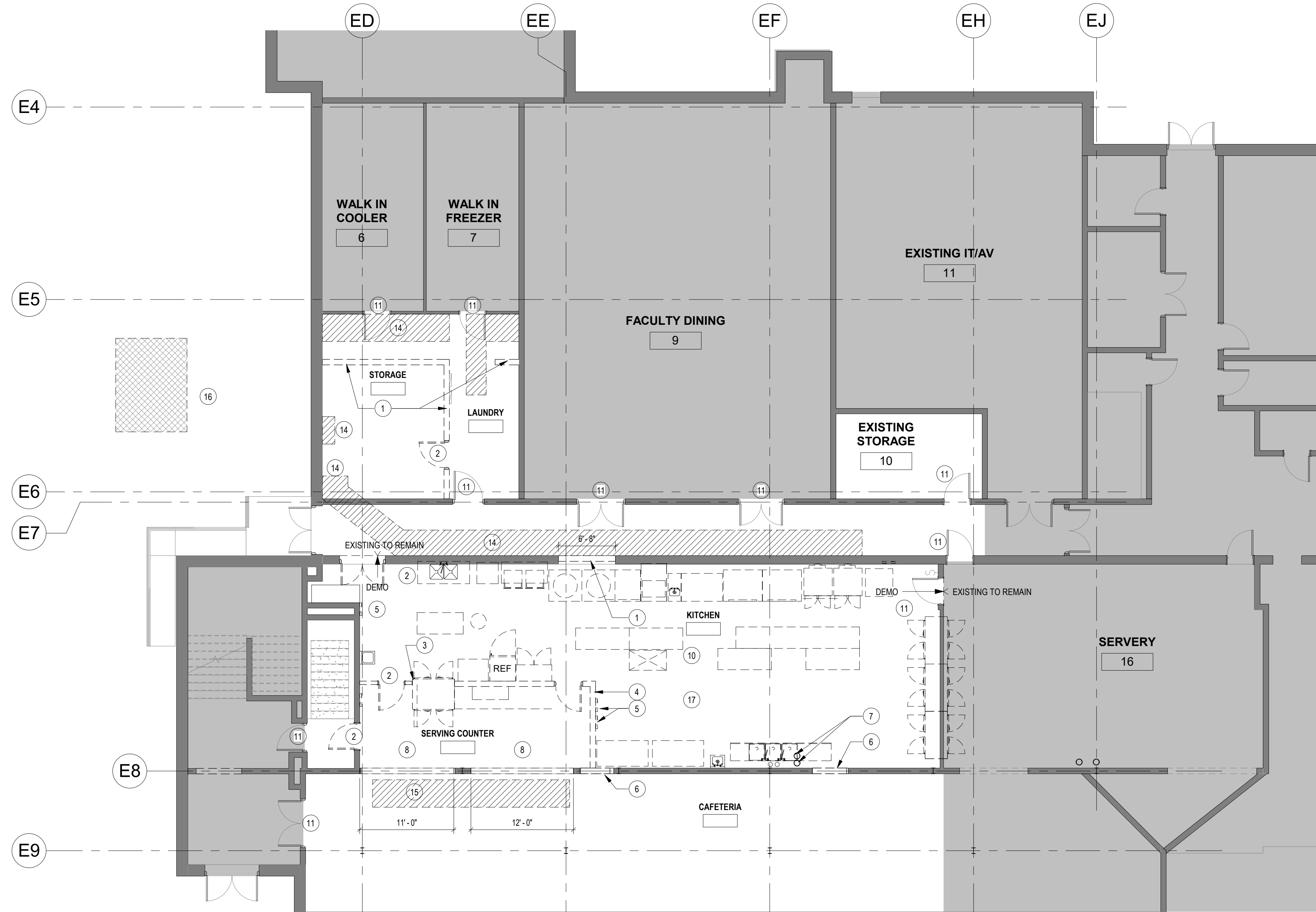
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SECTIONS & TYPICAL DETAILS

Drawing Number



2 BASEMENT DEMOLITION PLAN
1/8" = 1'-0"



1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION PLAN NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE THE DEMOLITION AND REMOVAL OF ALL ITEMS AS SHOWN OR NOTED ON THE ARCHITECTS AND ENGINEERS DRAWINGS.
- COORDINATE PROPOSED METHODS AND OPERATIONS WITH PROJECT MANAGER AND BUILDING MANAGEMENT PRIOR TO THE START OF DEMOLITION WORK INCLUDING COORDINATION FOR SHUT-OFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
- VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO BEGINNING WORK.
- ALL DEMOLITION TO BE COORDINATED AND PERFORMED BY THE APPROPRIATE TRADE. COORDINATE WORK WITH ALL PLANS, INCLUDING ELECTRICAL, HVAC, PLUMBING AND FIRE PROTECTION.
- UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL LEAVE ALL AREAS BROOM CLEAN.
- COORDINATE REMOVAL OF ALL STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING RELATED ITEMS WITH ENGINEERING DOCUMENTS.
- COORDINATE ACCESS POINTS AND STAGING AREAS WITH OWNER.
- PROVIDE TEMPORARY CONSTRUCTION BARRIERS AS REQUIRED TO PROTECT ADJACENT AREAS FROM CONSTRUCTION DUST.
- PORTIONS OF THE EXISTING BUILDING INCLUDING FINISHES, MECHANICAL AND ELECTRICAL WORK DISTURBED BY DEMOLITION OR NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED AND RETURNED TO ITS ORIGINAL CONDITION OR BETTER, U.O.N.
- THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY POWER REQUIREMENTS DURING RENOVATIONS. REFER TO ELECTRICAL DRAWINGS.
- DEFINITIONS:
 - A. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
 - B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER READY FOR REUSE.
 - C. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, STORE, OR REINSTALL THEM WHERE INDICATED.
 - D. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.
- CONTRACTOR SHALL CONTACT OWNER OR ARCHITECT TO CONFIRM ANY ITEM NOT SPECIFICALLY NOTED ON PLAN. IF DISCREPANCY EXISTS, REMOVE AND SALVAGE ITEM FOR OWNER.
- SEE SPEC SECTION "CUTTING & PATCHING" FOR PROTOCOL REQUIREMENTS IF HAZARDOUS MATERIALS SHOULD BE DISCOVERED DURING DEMOLITION.
- PROTECT OR SAVE EXISTING FIRE EXTINGUISHER CABINETS, FIRE PULL STATIONS AND EXIT SIGNS FOR RE-USE AS APPLICABLE FOR TURN OVER TO OWNER.
- FIREPROOF HOLES LEFT BY DEMOLITION TO MATCH FIRE RESISTANCE RATING OF WALL AND FLOOR.

DEMOLITION PLAN LEGEND

- EXISTING BASE BUILDING CONSTRUCTION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- EXISTING DOOR, DOOR FRAME AND HARDWARE TO REMAIN
- EXISTING DOOR, DOOR FRAME AND HARDWARE TO BE REMOVED UNLESS OTHERWISE NOTED
- EDGE OF FLOOR FINISH DEMOLITION
- EXISTING TO REMAIN
- AREA OF EXISTING FLOORING AND TOPPING SLAB TO BE REMOVED AND SCARIFIED IN PREP FOR NEW LEVELING COMPOUND
- AREA OF EXISTING ASPHALT PAVING, BASE, AND SOIL TO BE REMOVED FOR INSTALLATION OF NEW GREASE INTERCEPTOR
- AREA OF CONCRETE SLAB ON GRADE TO BE REMOVED FOR INSTALLATION OF NEW UTILITIES
- AREA OF CMU BLOCK TO BE REMOVED FOR INSTALLATION OF NEW UTILITIES. REMOVE ONE BLOCK FULLY THEN TOOTH IN NEW CMU INFILL AROUND NEW UTILITIES

DEMOLITION PLAN KEYNOTES

- REMOVE EXISTING TWO WYTHE BRICK WALL
- REMOVE EXISTING DOOR, FRAME, AND HARDWARE. PREP FOR NEW STUD WALL INFILL
- REMOVE EXISTING STUD WALL
- REMOVE EXISTING CMU WALL
- REMOVE EXISTING ELECTRICAL PANELS AND REROUTE WIRING AS REQUIRED. REFER TO ELECTRICAL DRAWINGS
- REMOVE EXISTING TWO WYTHE BRICK WALL
- EXISTING STORM PIPES. SEE PLUMBING DRAWINGS.
- DEMOLISH EXISTING HALF HEIGHT MASONRY WALL AND STAINLESS STEEL COUNTER, DOWN TO EXISTING FLOOR SLAB. PREP FOR NEW MASONRY WALL INFILL
- EXISTING ELECTRICAL PANEL TO REMAIN
- REMOVE EXISTING QUARRY TILE FLOORING, WALL BASE AND MUD SETTING DOWN TO CONCRETE SUBSTRATE FLOOR.
- EXISTING DOOR TO REMAIN
- EXISTING FLOORING TO REMAIN
- REMOVE EXISTING TOPPING SLAB DOWN TO LEVEL CONCRETE FLOOR SLAB AND INSTALL NEW VCT FLOORING TO MATCH EXISTING.
- SAWCUT EXISTING SLAB ON GRADE FOR CONNECTION TO NEW GREASE WASTE PIPING TO GREASE INTERCEPTOR.
- SAWCUT EXISTING SLAB ON GRADE FOR NEW WASTE PIPE CONNECTION.
- AREA OF EXISTING ASPHALT PAVING, BASE, AND SOIL TO BE REMOVED FOR INSTALLATION OF NEW GREASE INTERCEPTOR
- REMOVE EXISTING EQUIPMENT
- EXISTING FLOORING REMOVAL BY OWNER UNDER SEPARATE CONTRACT.
- TEMPORARY PARTITION

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

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GL-2019-19

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Structural Engineer



Civil Engineer



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Drawn KS

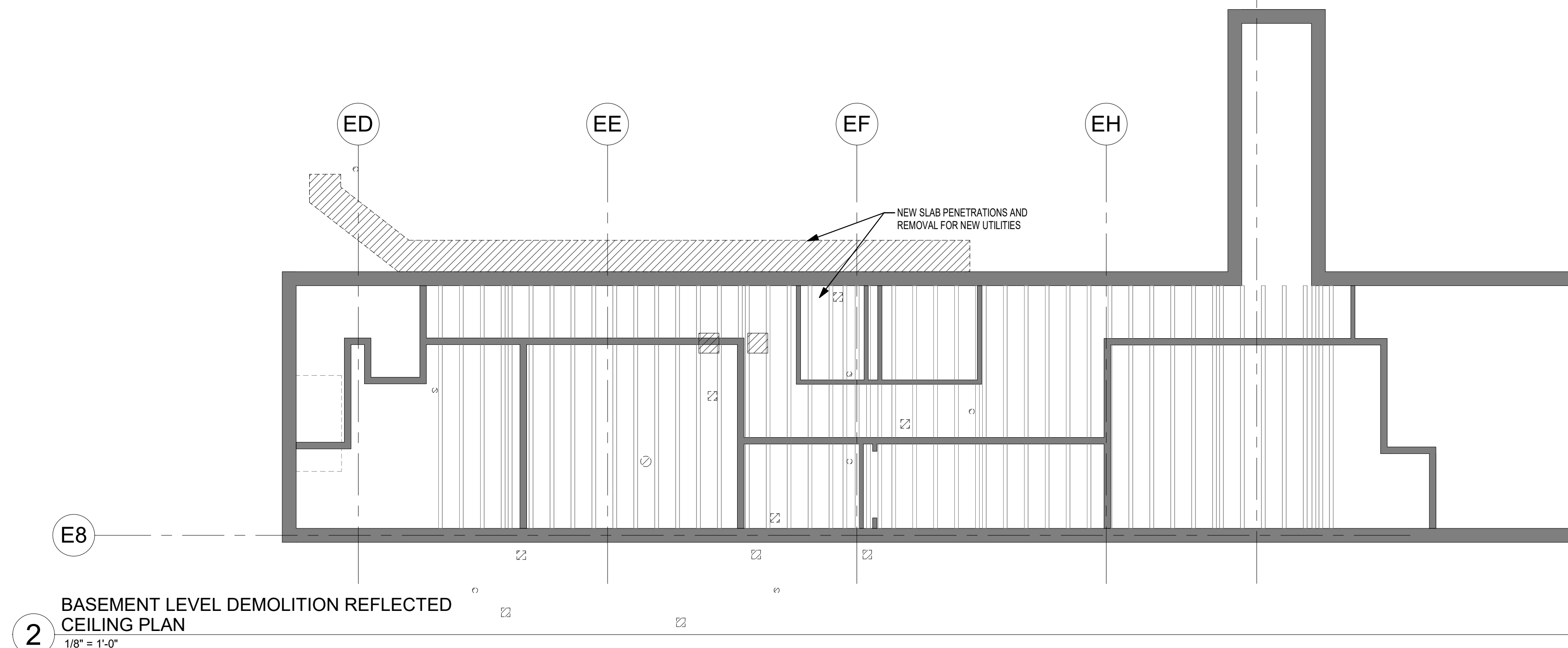
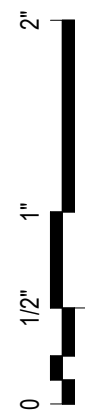
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BASEMENT AND FIRST FLOOR DEMOLITION PLAN

Drawing Number

AD-101



2 BASEMENT LEVEL DEMOLITION REFLECTED CEILING PLAN
1/8" = 1'-0"



1 FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN
1/8" = 1'-0"

RCP DEMOLITION NOTES

1. VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO BEGINNING WORK.
2. COORDINATE ACCESS POINTS AND STAGING AREAS WITH OWNER PRIOR TO BEGINNING WORK.
3. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AS REQUIRED TO PROTECT ADJACENT AREAS FROM CONSTRUCTION DUST FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ITEMS SHOWN OR NOTED.
4. COORDINATE REMOVAL OF ALL MECHANICAL ELECTRICAL AND PLUMBING RELATED ITEMS WITH BOTH NEW AND EXISTING MEP ENGINEERING DOCUMENTS.
5. PROTECT OR SAVE EXISTING EXIT SIGNS FOR RE-USE AS APPLICABLE OR TURN OVER TO OWNER.
6. CONTRACTOR SHALL COORDINATE TEMPORARY POWER REQUIREMENTS DURING DEMOLITION.
7. REFER TO M/E/P DOCUMENTS FOR REMOVAL REQUIREMENTS FOR ALL M/E/P DEVICES AND ABOVE CEILING ITEMS.
8. TEMPORARILY SUPPORT ALL ITEMS SHOWN TO BE REMOVED BUT REQUIRED TO REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION (i.e. LIFE SAFETY DEVICES, EXIT SIGNS, SPRINKLER HEADS, ETC.).
9. ALL CEILINGS AND SOFFITS INDICATED TO BE DEMOLISHED ARE TO INCLUDE THE COMPLETE REMOVAL OF EXISTING TRIM AND EDGING COMPONENTS, GROUNDS, SUSPENSION AND FRAMING SYSTEMS, HANGER WIRES, AND THE LIKE. EXISTING WALLS TO REMAIN THAT TERMINATE AT THE UNDERSIDES OF EXISTING SUSPENDED ACOUSTICAL CEILING GRID TO BE REMOVED ARE TO BE BRACED TO THE BUILDING STRUCTURE ABOVE WITH NEW DIAGONAL METAL STUD BRACING.

RCP DEMOLITION LEGEND

- EXISTING BASE BUILDING CONSTRUCTION TO REMAIN
- EXISTING 2x2 ACT CEILING TO BE REMOVED
- EXISTING 2x4 ACT CEILING TO BE REMOVED
- EXISTING SUPPLY DIFFUSER TO BE REMOVED. REFER TO MEP DRAWINGS.
- EXISTING RETURN DIFFUSER TO BE REMOVED. REFER TO MEP DRAWINGS.
- EXISTING SPRINKLER HEAD TO REMAIN. REFER TO MEP DRAWINGS.
- EXISTING FIXTURE TO BE REMOVED
- EXISTING EXIT LIGHT TO REMAIN. REFER TO MEP DRAWINGS.
- EXISTING EXIT LIGHT TO BE REMOVED. REFER TO MEP DRAWINGS.

RCP DEMOLITION KEYNOTES

- EXISTING ACT CEILING TO BE REMOVED
- EXISTING GWB CEILING TO BE REMOVED
- EXISTING ACT CEILING TO REMAIN

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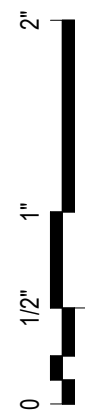
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Drawing Name

**BASEMENT AND FIRST FLOOR
DEMOLITION REFLECTED
CEILING PLAN**

Drawing Number

AD-201



FLOOR PLAN KEYNOTES

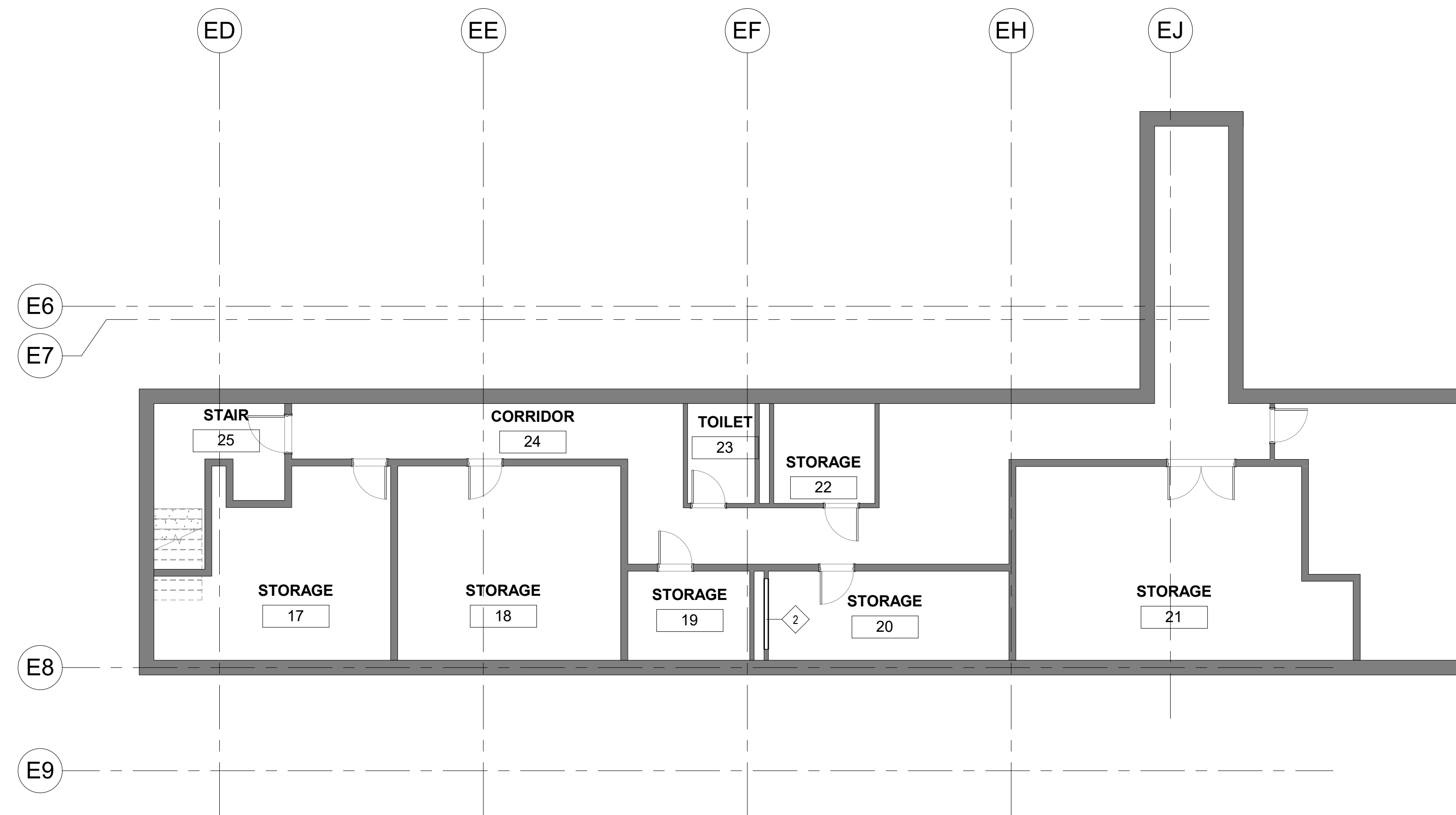
- 1 EXISTING ELECTRICAL PANEL TO REMAIN
- 2 MOP SINK
- 3 RELOCATE EXISTING WASHER AND DRYER
- 4 6 DOUBLE HIGH METAL LOCKERS
- 5 TEMPERED GLAZING IN PAINTED HOLLOW METAL FRAME. SEE FRAME STYLES AND BORROWED LITE DETAILS, SHEET A-800
- 6 MELAMINE SHELVES ON METAL STANDARDS. SEE DETAIL 4/A-621.
- 7 PLUMBING CHASE FOR SERVICES
- 8 1/2" HIGH NEW ALUMINUM DOOR THRESHOLD TO MAKE FLOOR HEIGHT TRANSITION AT EXISTING DOOR AND FRAME
- 9 NEW SLOPED FLOOR AT 1:20 PITCH.
- 10 DOUBLE WYTHE BRICK INFILL AT EXISTING MASONRY OPENING FROM 3'-0" AFF TO 7'-0" AFF.
- 11 NEW MASONRY WALL OPENING FROM 3'-0" AFF TO 7'-0" AFF.
- 12 NEW LEVEL TOPPING SLAB AT ELEVATION 0'-1" AND NEW VCT FLOORING TO MATCH EXISTING
- 13 RELOCATE EXISTING ELECTRICAL PANELS
- 14 NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
- 15 NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
- 16 REFER TO CIVIL DRAWINGS FOR NEW PAVING INFILL OVER BASE AS REQUIRED AT NEW GREASE INTERCEPTOR.
- 17 NEW PAINTED GWB ENCLOSURE WITH CERAMIC TILE UP TO 4'-0" AFF.
- 18 EXISTING FLOORING TO REMAIN
- 19 NEW LEVEL TOPPING SLAB AT ELEVATION 0'-0" AND NEW VCT FLOORING TO MATCH EXISTING
- 20 DETERGENT CABINET PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
- 21 UTILITY SHELF PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
- 22 GREASE INTERCEPTOR WASTE DUPLEX GRINDER PUMP ASSEMBLY AND BASIN. LOCATE AS NOTED ON ARCHITECTURAL PLAN. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.

FLOOR PLAN NOTES

1. PARTITIONS LOCATED BY DIMENSION STRING ARE DIMENSIONED TO THE FACE OF GYP BD UNLESS OTHERWISE NOTED.
2. PARTITIONS NOT DIMENSIONED ARE GENERALLY LOCATED BY ONE OF THE FOLLOWING CRITERIA:
 - A. CENTERLINE: CENTER OF PARTITION ALIGNS WITH THE CENTER OF GRIDLINE OR OBJECT CENTERLINE (SUCH AS A COLUMN OR WINDOW MULLION). CENTER THE OVERALL PARTITION WIDTH, RATHER THAN STUD WIDTH ON THE LINE.
 - B. ALIGN: LOCATE PARTITION FLUSH WITH FACE OF GYPSUM BOARD, OR OTHER SURFACE INDICATED. NEW CONSTRUCTION SHALL MATCH AND ALIGN WITH EXISTING, U.O.N.
 - C. MAINTAIN DIMENSIONS NOTED AS "MINIMUM" OR "CLEAR" WHERE NOTED.
3. DOOR OPENINGS THAT ARE NOT DIMENSIONED SHALL BE SPACED 6" FROM THE ADJACENT WALL.
4. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
5. OPENINGS IN RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH PENETRATION SEALANT SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS.
6. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
7. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, WALL-MOUNTED MILLWORK, AND WHITEBOARDS.
8. DO NOT OBSTRUCT ACCESS TO EXISTING EXITS, OR REDUCE THE WIDTH OF PUBLIC CORRIDORS.
9. ALL EXISTING PARTITIONS, COLUMNS, AND PERIMETER PILASTERS SHALL BE PATCHED TO LOOK LIKE NEW. REMOVE ALL BENT OR DAMAGED CORNER BEADS THROUGHOUT. INSTALL NEW TAPE AND PATCH AS REQD AND PREPARE TO ACCEPT NEW FINISHES. CONTRACTOR IS TO INCLUDE ALL COSTS FOR PATCH AND REPAIR WORK TO EXISTING AT TIME OF BID.
10. CONTRACTOR TO PATCH ALL EXISTING WALLS, COLUMNS, ETC., WHERE EXISTING ELECTRICAL IS REMOVED OR WHERE NEW ELECTRICAL & TEL/DATA OUTLETS OCCUR COORDINATE W/ POWER & TELECOMM. DWGS.
11. PENETRATIONS SHALL MEET LOCAL CODE REQUIREMENTS OR BASE BUILDING REQUIREMENTS.
12. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS, AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK. IN THE CASE OF CONFLICTS BETWEEN DRAWINGS OR NOTES AND DRAWINGS, IT SHALL BE ASSUMED THE STRICTEST CONDITION OR REQUIREMENT HAS BEEN INCLUDED IN THE COST OR SCOPE OF THE WORK AND SHALL APPLY TO THE QUESTIONED CONDITION.
13. FULLY LAY OUT GRID, WALL, AND OPENING PLACEMENT IN AN AREA PRIOR TO START OF PARTITION CONSTRUCTION. VERIFY THAT DIMENSIONS ARE CONSISTENT WITH REQUIREMENTS INDICATED IN THE DOCUMENTS. REFER ANY DIMENSIONAL INCONSISTENCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO THE START OF PARTITION CONSTRUCTION.
14. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BUILDING OFFICIAL AND CODE ADMINISTRATORS (IBC) CODE AND ALL APPLICABLE CODES AND ORDINANCES AS ADOPTED BY THE LOCAL JURISDICTIONS HAVING AUTHORITY. THE CONSTRUCTION MANAGER SHALL ARRANGE FOR REQUIRED INSPECTIONS BY AUTHORITIES AT THE PROPER TIME DURING PROGRESS OF THE WORK.
15. VERIFY ALL EXISTING CONDITIONS AND ALL DIMENSIONING PRIOR TO THE COMMENCEMENT OF WORK OR ORDERING OF MATERIAL. CONTRACTOR SHALL CONTACT THE ARCHITECT FOR THE RESOLUTION OF ANY DISCREPANCIES.
16. IF INTERIOR PARTITIONS ARE TO ALIGN WITH BASE BUILDING PARTITIONS OR COLUMNS, THE ALIGNMENT SHALL BE CONSTRUCTED SO AS NOT TO SHOW A TRANSITION.
17. BASE BUILDING CONCRETE SLAB THAT IS DISTURBED DURING CONSTRUCTION, SHALL BE PATCHED AND REPAIRED TO A SMOOTH CONDITION.
18. PROVIDE FIRE RETARDANT WOOD BLOCKING IN ALL PARTITIONS TO RECEIVE MILLWORK ITEMS, OR OTHER PARTITION MOUNTED FIXTURES AND ACCESSORIES.
19. DRAWINGS AT A LARGER SCALE SHALL TAKE PRECEDENCE OVER DRAWINGS AT A SMALLER SCALE, EXCEPT FOR ANY INCONSISTENCIES THAT MAY BE FOUND IN THE DRAWINGS. REQUEST CLARIFICATION OF SUCH INCONSISTENCIES PRIOR TO COMMENCEMENT OF WORK.
20. DIMENSION AND NOTES FOR A GIVEN CONDITION ARE TYPICAL AT ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
21. CLEARANCES AT ALL SCHEDULED MILLWORK SHALL BE FIELD VERIFIED BY CONTRACTOR.
22. ALL DOCUMENTS (ARCHITECTURAL, ENGINEERING, ETC.) AND PROJECT MANUAL ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY WILL BE BINDING FOR ALL, UNLESS OTHERWISE NOTED.

FLOOR PLAN LEGEND

- EXISTING PARTITION
- NEW PARTITION, REFER TO PARTITION TYPES ON G-001
- NEW CMU PARTITION, REFER TO PARTITION TYPES ON G-001
- INDICATES ALIGNMENT OF FINISHED SURFACES
- (EXST) (NEW)
- EXISTING DOOR, FRAME AND HARDWARE
- NEW DOOR, FRAME AND HARDWARE
- AREA NOT IN CONTRACT (NIC)
- F.E.C. FIRE EXTINGUISHER CABINET
- FLOOR CLEANOUT, SEE PLUMBING DRAWINGS
- FLOOR SINK, SEE PLUMBING DRAWINGS
- FLOOR DRAIN, SEE PLUMBING DRAWINGS
- FLOOR DRAIN, SEE PLUMBING DRAWINGS
- TRENCH DRAIN



1 BASEMENT CONSTRUCTION PLAN
1/8" = 1'-0"

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Structural Engineer



Civil Engineer



300 Winding Brook Drive
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860-652-8227

Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date March 29, 2019

Job Number GL-2019-19

Scale 1/8" = 1'-0"

Drawn KS

Checked RK

Drawing Name

BASEMENT FLOOR PLAN

Drawing Number

A-100

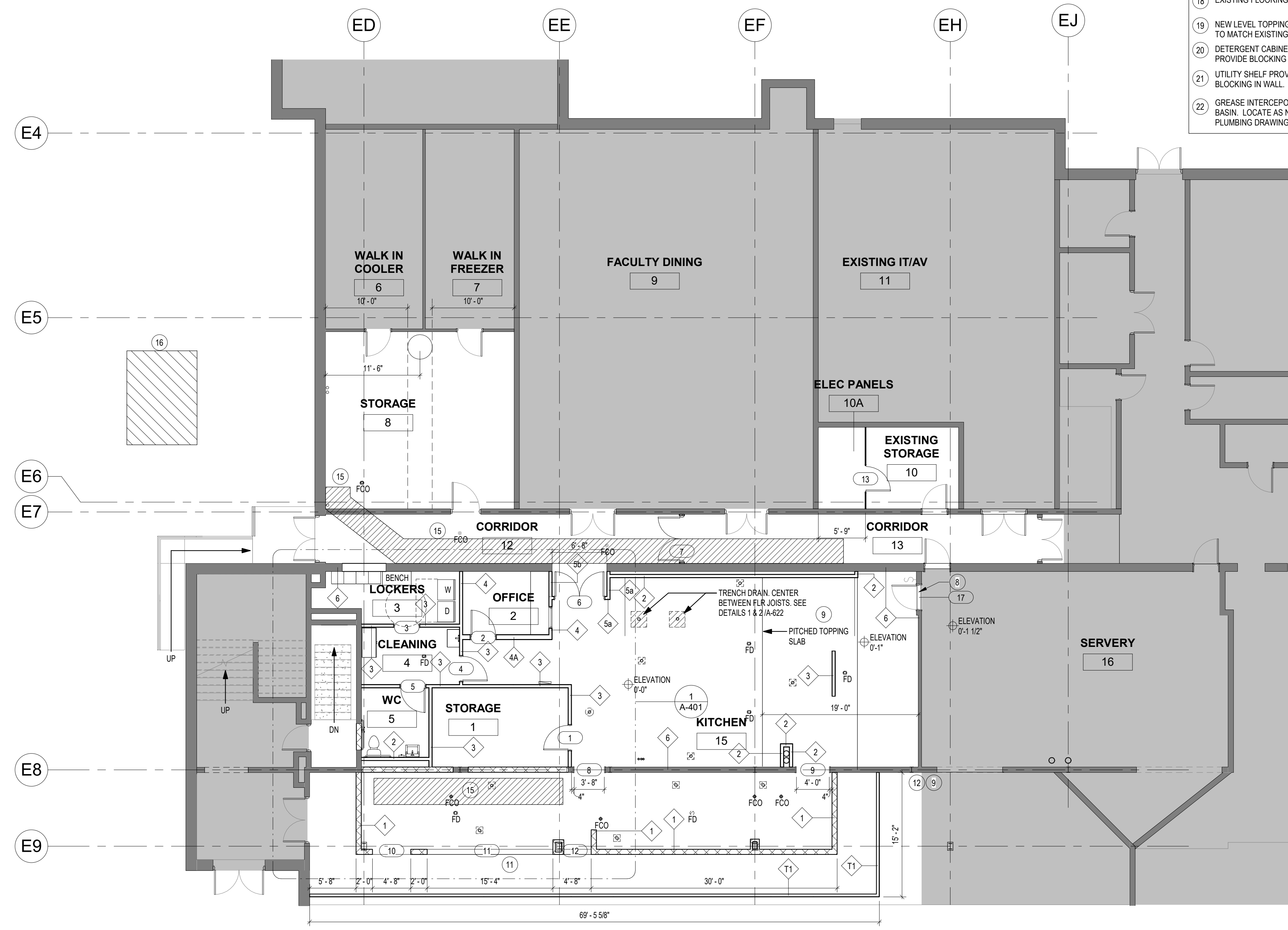


FLOOR PLAN KEYNOTES

- 1 EXISTING ELECTRICAL PANEL TO REMAIN
- 2 MOP SINK
- 3 RELOCATE EXISTING WASHER AND DRYER
- 4 6 DOUBLE HIGH METAL LOCKERS
- 5 TEMPERED GLAZING IN PAINTED HOLLOW METAL FRAME. SEE FRAME STYLES AND BORROWED LITE DETAILS, SHEET A-800
- 6 MELAMINE SHELVES ON METAL STANDARDS. SEE DETAIL 4/A-621.
- 7 PLUMBING CHASE FOR SERVICES
- 8 1/2" HIGH NEW ALUMINUM DOOR THRESHOLD TO MAKE FLOOR HEIGHT TRANSITION AT EXISTING DOOR AND FRAME
- 9 NEW SLOPED FLOOR AT 1:20 PITCH.
- 10 DOUBLE WYTHE BRICK INFILL AT EXISTING MASONRY OPENING FROM 3'-0" AFF TO 7'-0" AFF.
- 11 NEW MASONRY WALL OPENING FROM 3'-0" AFF TO 7'-0" AFF.
- 12 NEW LEVEL TOPPING SLAB AT ELEVATION 0'-1" AND NEW VCT FLOORING TO MATCH EXISTING
- 13 RELOCATE EXISTING ELECTRICAL PANELS
- 14 NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
- 15 NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
- 16 REFER TO CIVIL DRAWINGS FOR NEW PAVING INFILL OVER BASE AS REQUIRED AT NEW GREASE INTERCEPTOR.
- 17 NEW PAINTED GWB ENCLOSURE WITH CERAMIC TILE UP TO 4'-0" AFF.
- 18 EXISTING FLOORING TO REMAIN
- 19 NEW LEVEL TOPPING SLAB AT ELEVATION 0'-0" AND NEW VCT FLOORING TO MATCH EXISTING
- 20 DETERGENT CABINET PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
- 21 UTILITY SHELF PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
- 22 GREASE INTERCEPTOR WASTE DUPLEX GRINDER PUMP ASSEMBLY AND BASIN. LOCATE AS NOTED ON ARCHITECTURAL PLAN. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.

FLOOR PLAN NOTES

1. PARTITIONS LOCATED BY DIMENSION STRING ARE DIMENSIONED TO THE FACE OF GYP BD UNLESS OTHERWISE NOTED.
2. PARTITIONS NOT DIMENSIONED ARE GENERALLY LOCATED BY ONE OF THE FOLLOWING CRITERIA:
 - A. CENTERLINE: CENTER OF PARTITION ALIGNS WITH THE CENTER OF GRIDLINE OR OBJECT CENTERLINE (SUCH AS A COLUMN OR WINDOW MULLION). CENTER THE OVERALL PARTITION WIDTH, RATHER THAN STUD WIDTH ON THE LINE.
 - B. ALIGN: LOCATE PARTITION FLUSH WITH FACE OF GYPSUM BOARD, OR OTHER SURFACE INDICATED. NEW CONSTRUCTION SHALL MATCH AND ALIGN WITH EXISTING, U.O.N.
 - C. MAINTAIN DIMENSIONS NOTED AS "MINIMUM" OR "CLEAR" WHERE NOTED.
3. DOOR OPENINGS THAT ARE NOT DIMENSIONED SHALL BE SPACED 6" FROM THE ADJACENT WALL.
4. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
5. OPENINGS IN RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH PENETRATION SEALANT SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS.
6. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
7. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, WALL-MOUNTED MILLWORK, AND WHITEBOARDS.
8. DO NOT OBSTRUCT ACCESS TO EXISTING EXITS, OR REDUCE THE WIDTH OF PUBLIC CORRIDORS.
9. ALL EXISTING PARTITIONS, COLUMNS, AND PERIMETER PILASTERS SHALL BE PATCHED TO LOOK LIKE NEW. REMOVE ALL BENT OR DAMAGED CORNER BEADS THROUGHOUT. INSTALL NEW TAPE AND PATCH AS REQD AND PREPARE TO ACCEPT NEW FINISHES. CONTRACTOR IS TO INCLUDE ALL COSTS FOR PATCH AND REPAIR WORK TO EXISTING AT TIME OF BID.
10. CONTRACTOR TO PATCH ALL EXISTING WALLS, COLUMNS, ETC., WHERE EXISTING ELECTRICAL IS REMOVED OR WHERE NEW ELECTRICAL & TEL/DATA OUTLETS OCCUR COORDINATE W/ POWER & TELECOMM. DWGS.
11. PENETRATIONS SHALL MEET LOCAL CODE REQUIREMENTS OR BASE BUILDING REQUIREMENTS.
12. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS, AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK. IN THE CASE OF CONFLICTS BETWEEN DRAWINGS OR NOTES AND DRAWINGS, IT SHALL BE ASSUMED THE STRICTEST CONDITION OR REQUIREMENT HAS BEEN INCLUDED IN THE COST OR SCOPE OF THE WORK AND SHALL APPLY TO THE QUESTIONED CONDITION.
13. FULLY LAY OUT GRID, WALL, AND OPENING PLACEMENT IN AN AREA PRIOR TO START OF PARTITION CONSTRUCTION. VERIFY THAT DIMENSIONS ARE CONSISTENT WITH REQUIREMENTS INDICATED IN THE DOCUMENTS. REFER ANY DIMENSIONAL INCONSISTENCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO THE START OF PARTITION CONSTRUCTION.
14. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BUILDING OFFICIAL AND CODE ADMINISTRATORS (BC) CODE AND ALL APPLICABLE CODES AND ORDINANCES AS ADOPTED BY THE LOCAL JURISDICTIONS HAVING AUTHORITY. THE CONSTRUCTION MANAGER SHALL ARRANGE FOR REQUIRED INSPECTIONS BY AUTHORITIES AT THE PROPER TIME DURING PROGRESS OF THE WORK.
15. VERIFY ALL EXISTING CONDITIONS AND ALL DIMENSIONING PRIOR TO THE COMMENCEMENT OF WORK OR ORDERING OF MATERIAL. CONTRACTOR SHALL CONTACT THE ARCHITECT FOR THE RESOLUTION OF ANY DISCREPANCIES.
16. IF INTERIOR PARTITIONS ARE TO ALIGN WITH BASE BUILDING PARTITIONS OR COLUMNS, THE ALIGNMENT SHALL BE CONSTRUCTED SO AS NOT TO SHOW A TRANSITION.
17. BASE BUILDING CONCRETE SLAB THAT IS DISTURBED DURING CONSTRUCTION, SHALL BE PATCHED AND REPAIRED TO A SMOOTH CONDITION.
18. PROVIDE FIRE RETARDANT WOOD BLOCKING IN ALL PARTITIONS TO RECEIVE MILLWORK ITEMS, OR OTHER PARTITION MOUNTED FIXTURES AND ACCESSORIES.
19. DRAWINGS AT A LARGER SCALE SHALL TAKE PRECEDENCE OVER DRAWINGS AT A SMALLER SCALE, EXCEPT FOR ANY INCONSISTENCIES THAT MAY BE FOUND IN THE DRAWINGS. REQUEST CLARIFICATION OF SUCH INCONSISTENCIES PRIOR TO COMMENCEMENT OF WORK.
20. DIMENSION AND NOTES FOR A GIVEN CONDITION ARE TYPICAL AT ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
21. CLEARANCES AT ALL SCHEDULED MILLWORK SHALL BE FIELD VERIFIED BY CONTRACTOR.
22. ALL DOCUMENTS (ARCHITECTURAL, ENGINEERING, ETC.) AND PROJECT MANUAL ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY WILL BE BINDING FOR ALL, UNLESS OTHERWISE NOTED.



FLOOR PLAN LEGEND

- EXISTING PARTITION
- NEW PARTITION, REFER TO PARTITION TYPES ON G-001
- NEW CMU PARTITION, REFER TO PARTITION TYPES ON G-001
- INDICATES ALIGNMENT OF FINISHED SURFACES
- EXISTING DOOR, FRAME AND HARDWARE
- NEW DOOR, FRAME AND HARDWARE
- AREA NOT IN CONTRACT (NIC)
- FIRE EXTINGUISHER CABINET
- FLOOR CLEANOUT, SEE PLUMBING DRAWINGS
- FLOOR SINK, SEE PLUMBING DRAWINGS
- FLOOR DRAIN, SEE PLUMBING DRAWINGS
- TRENCH DRAIN



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV
Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19
Project Team

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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/8" = 1'-0"
Drawn	KS
Checked	RK
Drawing Name	

FIRST FLOOR PLAN

Drawing Number

A-101



Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer



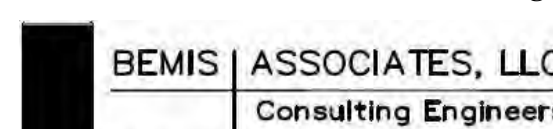
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Drawn JP

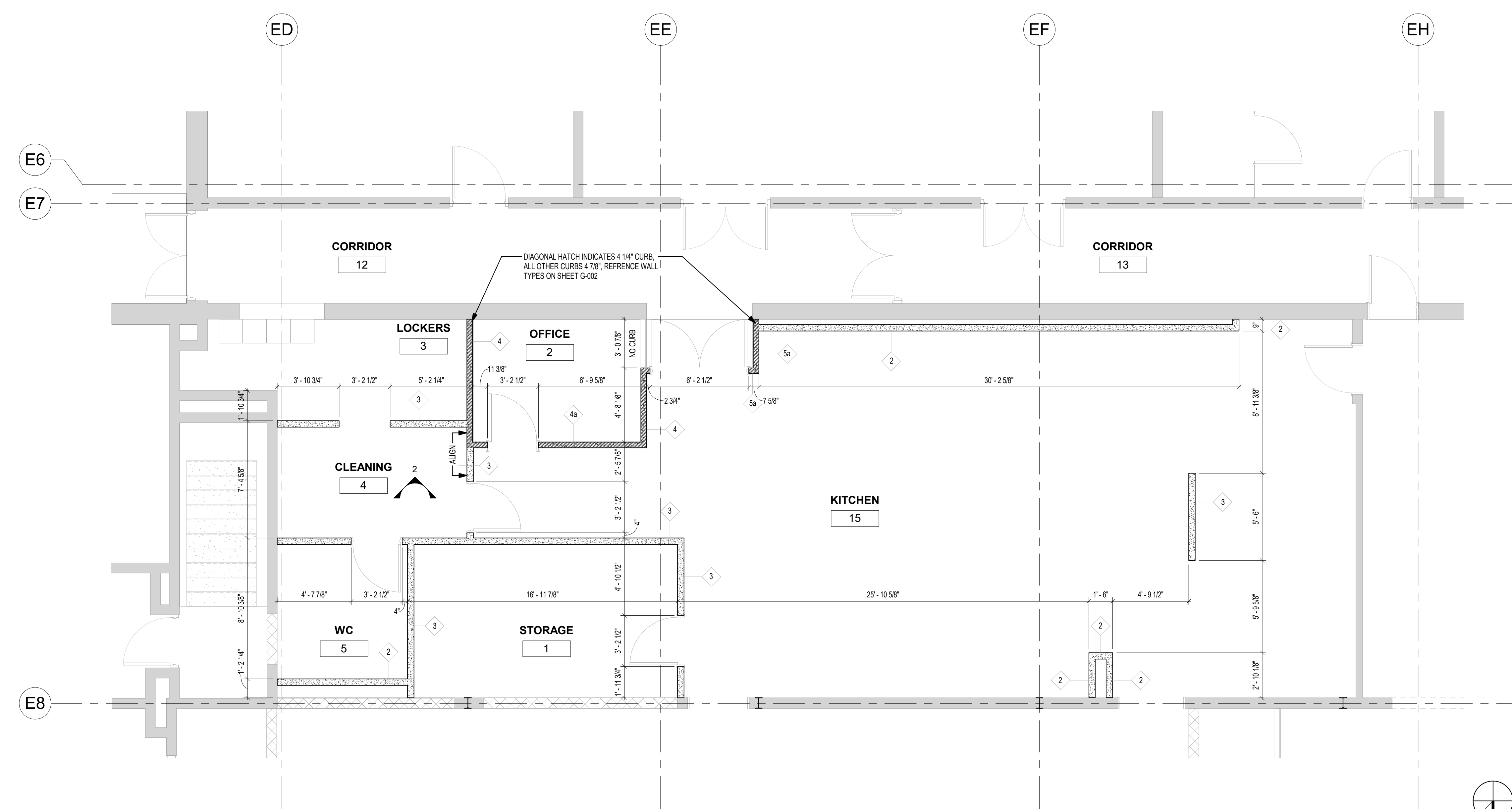
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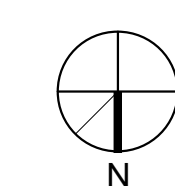
KITCHEN CURB PLAN

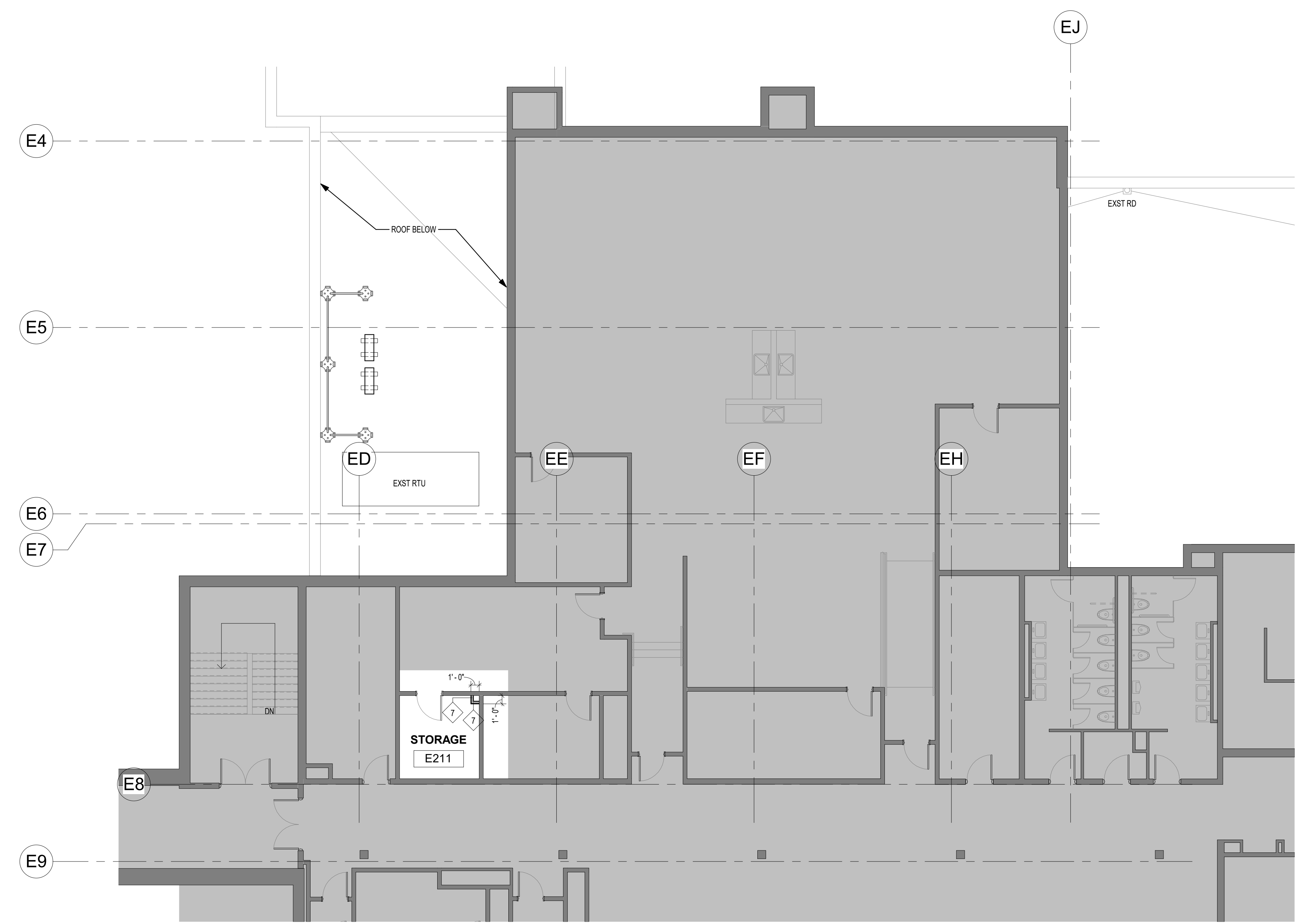
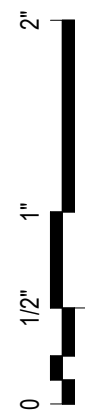
Drawing Number

A-101A



1 KITCHEN CURB PLAN
1/4" = 1'-0"





1 SECOND FLOOR CONSTRUCTION PLAN
1/8" = 1'-0"

Kitchen Code Violation Project

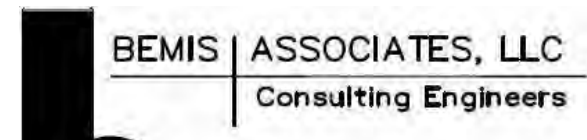
State DAS Project No. 054-0098CV
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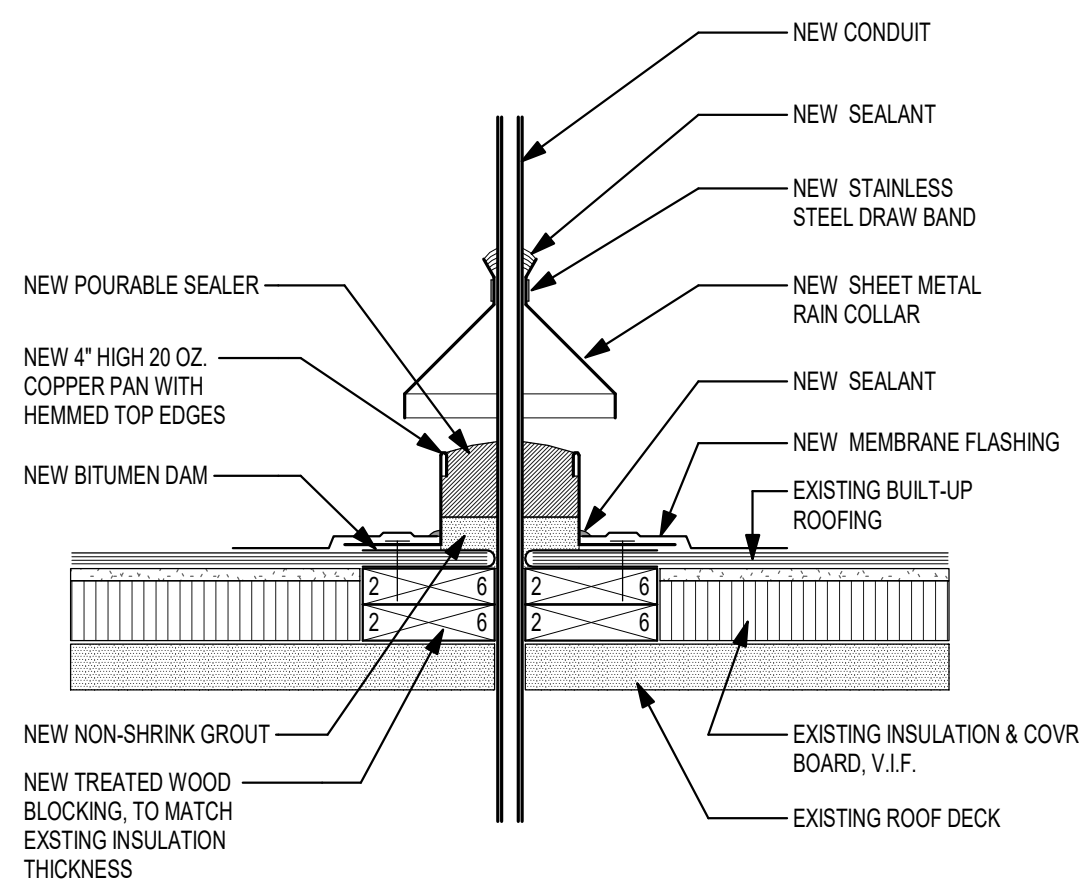
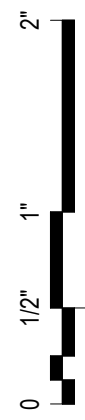
FINAL CONSTRUCTION DOCUMENTS

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Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/8" = 1'-0"
Drawn	JP
Checked	KS
Drawing Name	

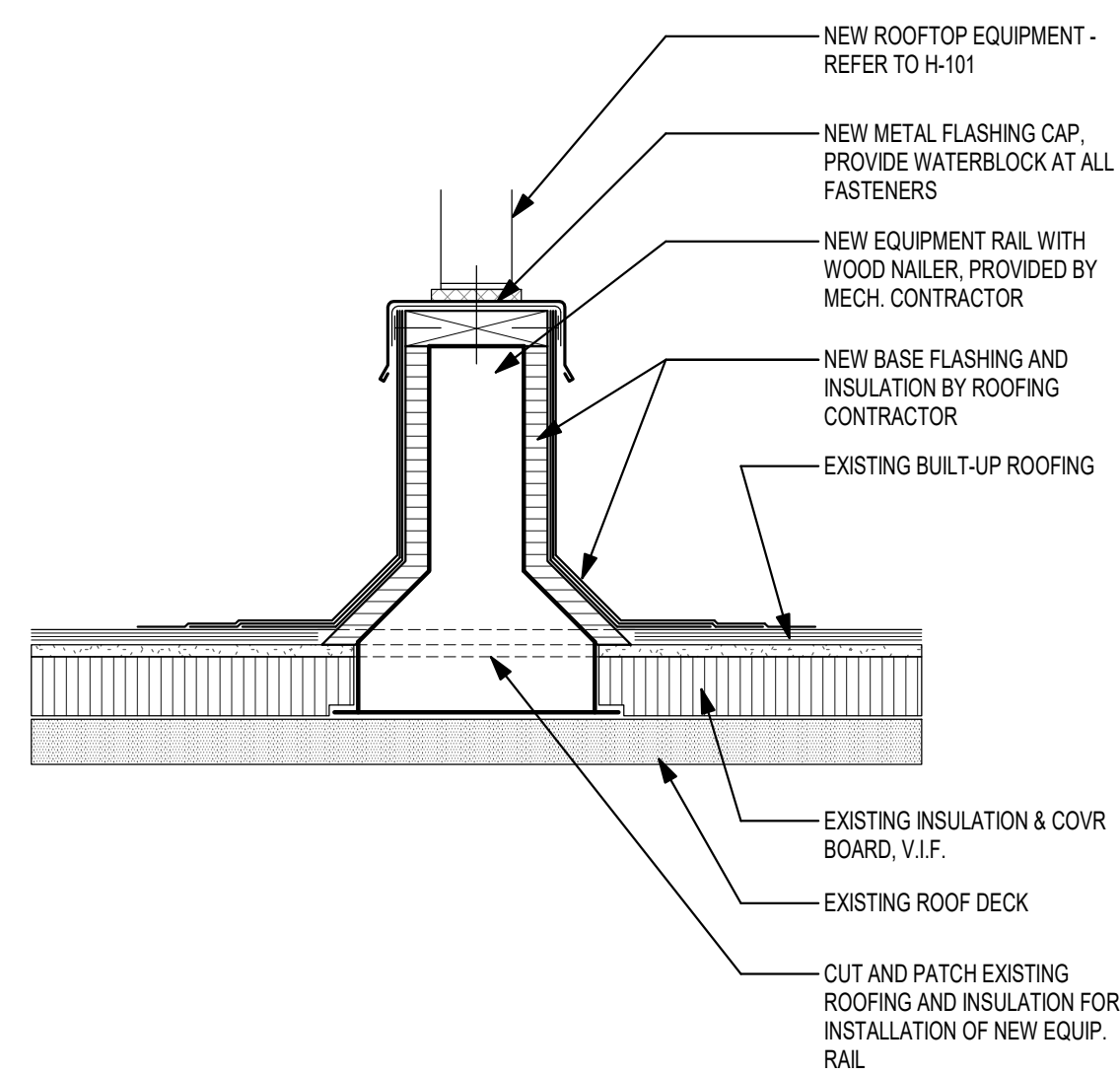
SECOND FLOOR PLAN

Drawing Number

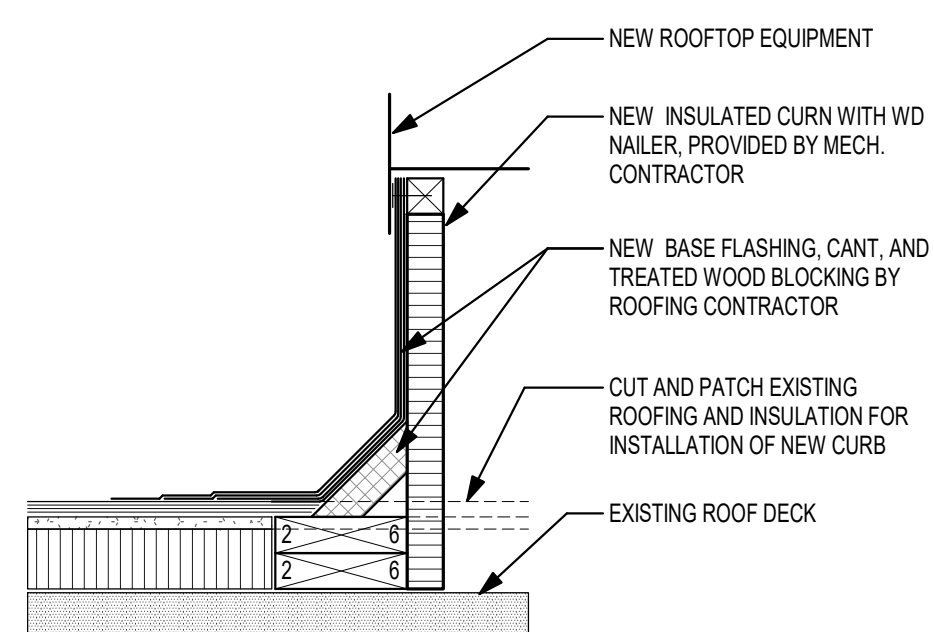
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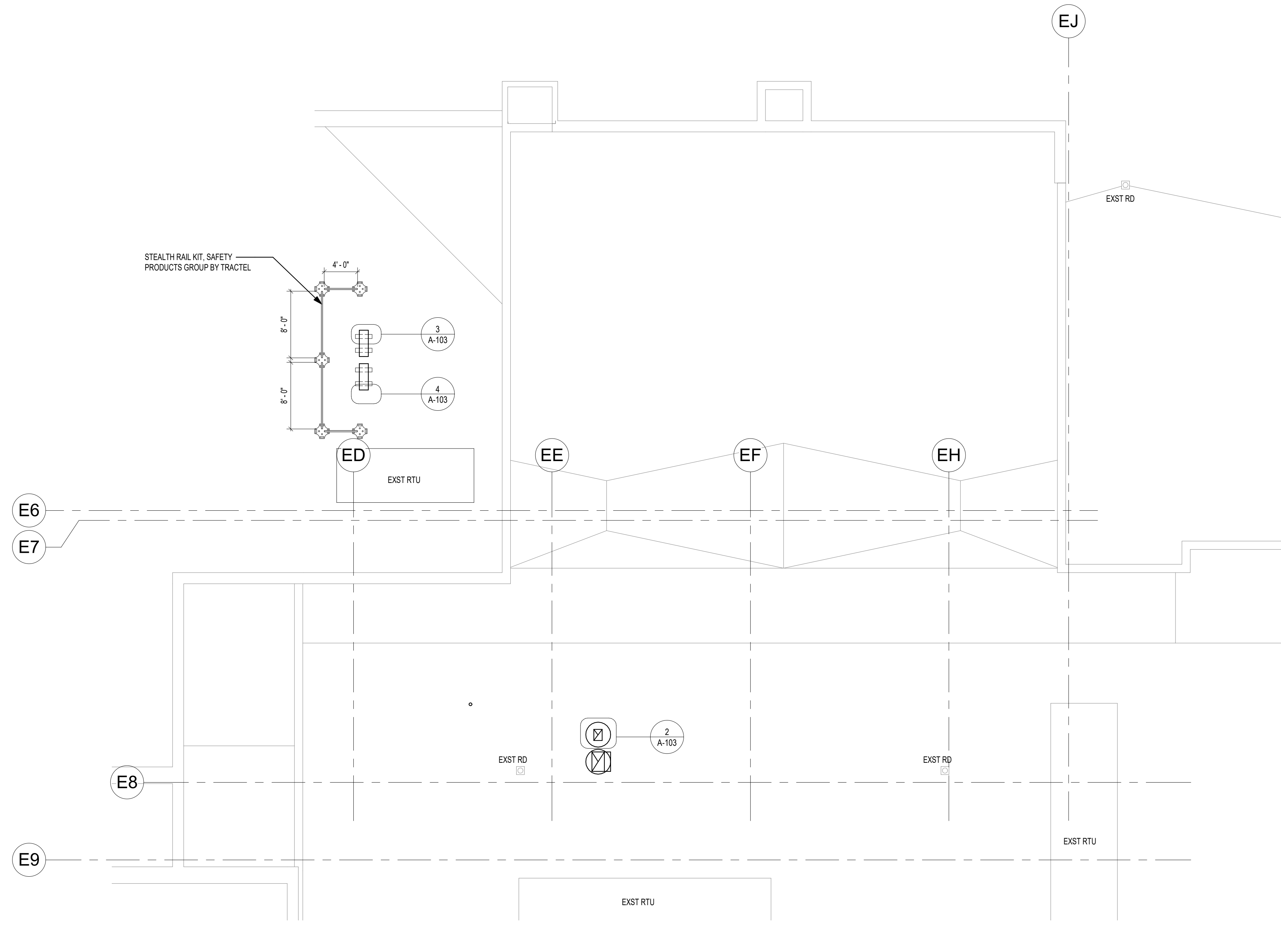
4 ROOF DETAIL - NEW PITCH BOX
1 1/2" = 1'-0"



3 ROOF DETAIL - NEW EQUIPMENT RAIL
1 1/2" = 1'-0"



2 ROOF DETAIL - NEW CURB
1 1/2" = 1'-0"



1 ROOF CONSTRUCTION PLAN
1/8" = 1'-0"

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

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GL-2019-19

Project Team

Equipment Engineer



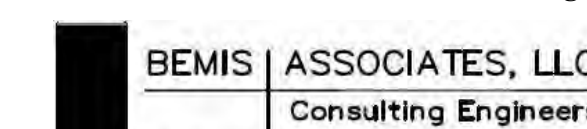
Food Facilities Planners

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Consulting Engineers

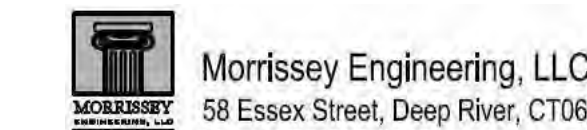
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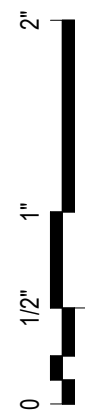
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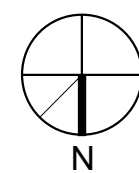
PARTIAL ROOF PLAN AND DETAILS

Drawing Number

A-103



1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



RCP NOTES

- NEW GWB SOFFITS TO BE PAINTED P1 UNLESS NOTED OTHERWISE.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FIXTURE SCHEDULES FOR TYPES AND SPECIFICATIONS.
- FOR DIFFUSERS, SPRINKLERS HEADS, SWITCHING CIRCUITS AND OTHER MEP ITEMS IN THE CEILING, REF: MECHANICAL AND ELECTRICAL DRAWINGS.
- VERIFY WITH ARCHITECT LOCATION OF VISIBLE CEILING ELEMENTS NOT SHOWN ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- VERIFY CLEARANCE OF CEILING ELEMENTS FOR LOCATIONS SHOWN PRIOR TO INSTALLATION.
- TYPICAL COVERPLATE AND DEVICE FINISH SHALL BE WHITE UNLESS OTHERWISE NOTED.
- LOCATE SPRINKLER HEADS, EXIT SIGNS, CEILING STROBES, LIGHT FIXTURES, AUDIO VISUAL DEVICES, SMOKE DETECTORS AND OTHER DEVICES EXPOSED AT ACOUSTICAL PANEL CEILINGS IN THE CENTER OF THE ACOUSTICAL CEILING PANEL, UNLESS OTHERWISE NOTED.
- CEILING SUPPORT SYSTEMS ARE NOT DESIGNED OR INTENDED TO SUPPORT THE WEIGHT OF ADDITIONAL EQUIPMENT, CABLE, CONDUIT, LIGHTS, MECHANICAL EQUIPMENT OR OTHER CONSTRUCTION. SUPPORT THESE ITEMS INDEPENDENTLY FROM THE STRUCTURE ABOVE.
- VERIFY THAT HVAC DEVICES AND LIGHT FIXTURES FIT IN CEILING AS INDICATED BEFORE PROCEEDING WITH FRAMING CEILING. NOTIFY ARCHITECT IF RELOCATION IS REQUIRED PRIOR TO THE INSTALLATION OF ANY ITEM. NOTIFY ARCHITECT IF SHIFTING OF GRID OR OTHER ELEMENT IS NECESSARY.
- LIGHT FIXTURES ARE DIMENSIONED TO CENTER OF FIXTURE UNLESS OTHERWISE NOTED.
- G.C. IS RESPONSIBLE FOR COORDINATION OF MECHANICAL, ELECTRICAL, LIGHTING, AND FIRE PROTECTION INSTALLATION. G.C. IS ALSO REQUIRED TO COORDINATE THE WORK OF THE TENANT'S CONTRACTORS FOR TELECOMMUNICATIONS, SECURITY, AND AUDIO VISUAL WORK.
- RELOCATE OR PROVIDE NEW SPRINKLER HEADS AS REQUIRED PER LOCAL AND STATE FIRE CODES. ALL NEW SPRINKLER HEADS TO BE FLUSH MOUNTED HEADS, CENTERED IN CEILING TILE.
- HVAC, LIGHTING AND SPRINKLER LAYOUTS ARE TO BE COORDINATED WITH REFLECTED CEILING PLAN. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE EACH TRADE TO ELIMINATE CONFLICTS FOR FINAL AND COMPLETE INSTALLATION.
- ALL SUSPENDED LINEAR LIGHTING FIXTURES TO BE HUNG AT X'-X" AFF, TYP. UNLESS NOTED OTHERWISE.

RCP LEGEND

- AREA NOT IN CONTRACT (NIC)
- CEILING TYPE
CEILING HEIGHT AFF
- GYP BD CEILING
- 2x4 ACOUSTICAL TILE CEILING
- 2x2 RECESSED LIGHTING FIXTURE
- 2x4 RECESSED LIGHTING FIXTURE
- 4' SUSPENDED LINEAR LIGHTING FIXTURE
- RECESSED DOWNLIGHT FIXTURE
- SURFACE MOUNTED FIXTURE
- LINEAR SURFACE LIGHTING FIXTURE
- WALL MOUNTED EXIT SIGN
- CEILING MOUNTED EXIT SIGN
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- SUPPLY DIFFUSER
- EXHAUST FAN
- SPRINKLER HEAD
- FLUSH CEILING SPEAKER

RCP KEYNOTES

- ① EXISTING ACOUSTICAL TILE CEILING TO REMAIN

Kitchen Code Violation Project

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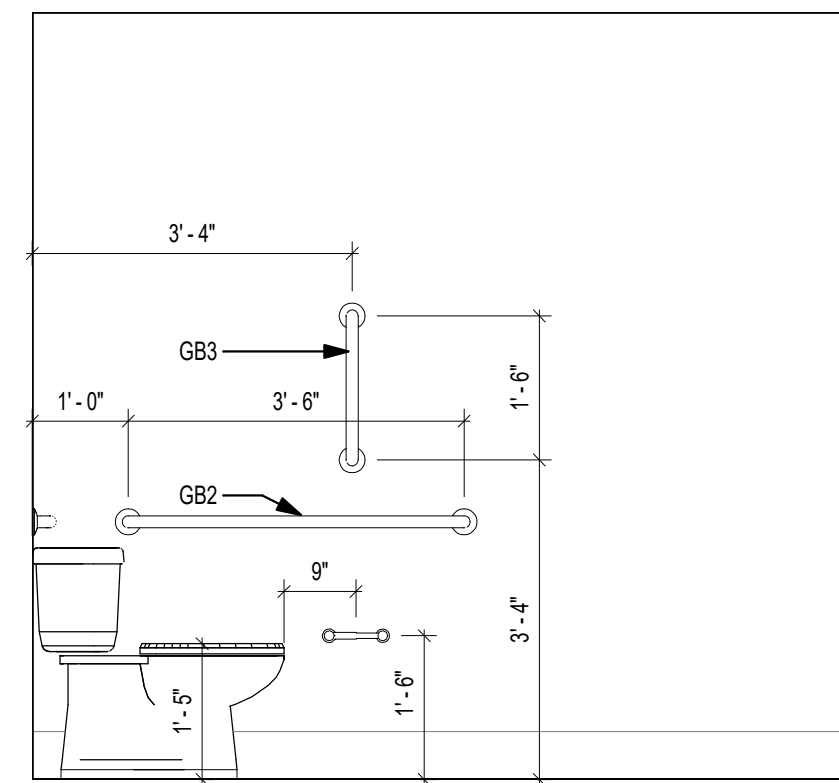
Drawing Information

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Drawn	KS
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Drawing Name	

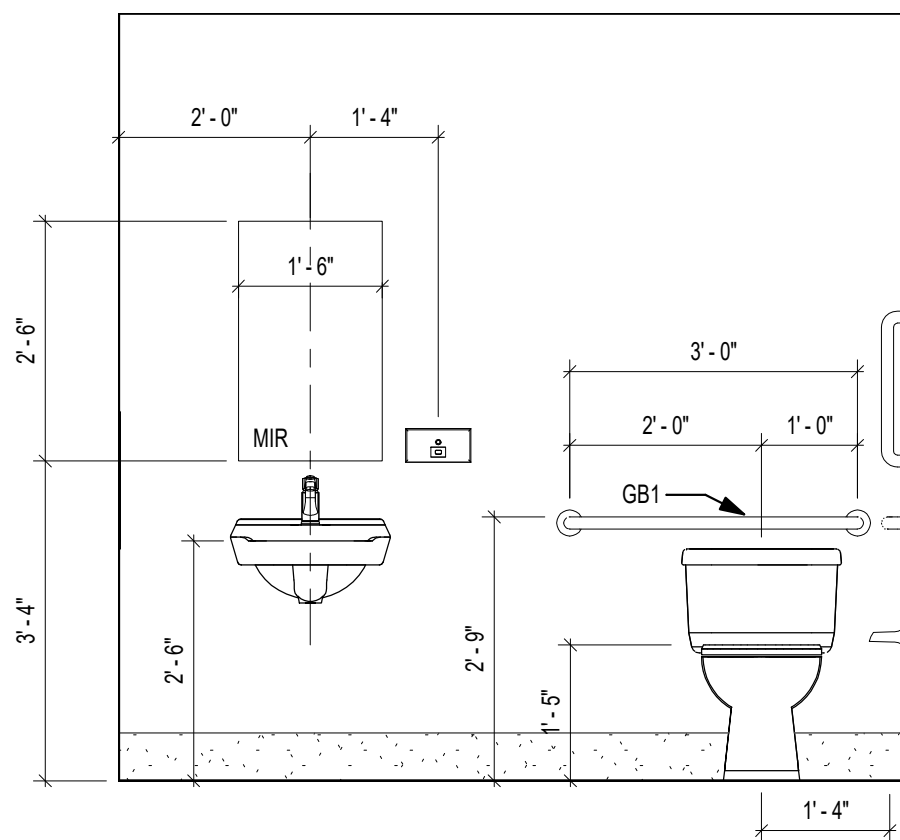
FIRST FLOOR REFLECTED CEILING PLAN

Drawing Number

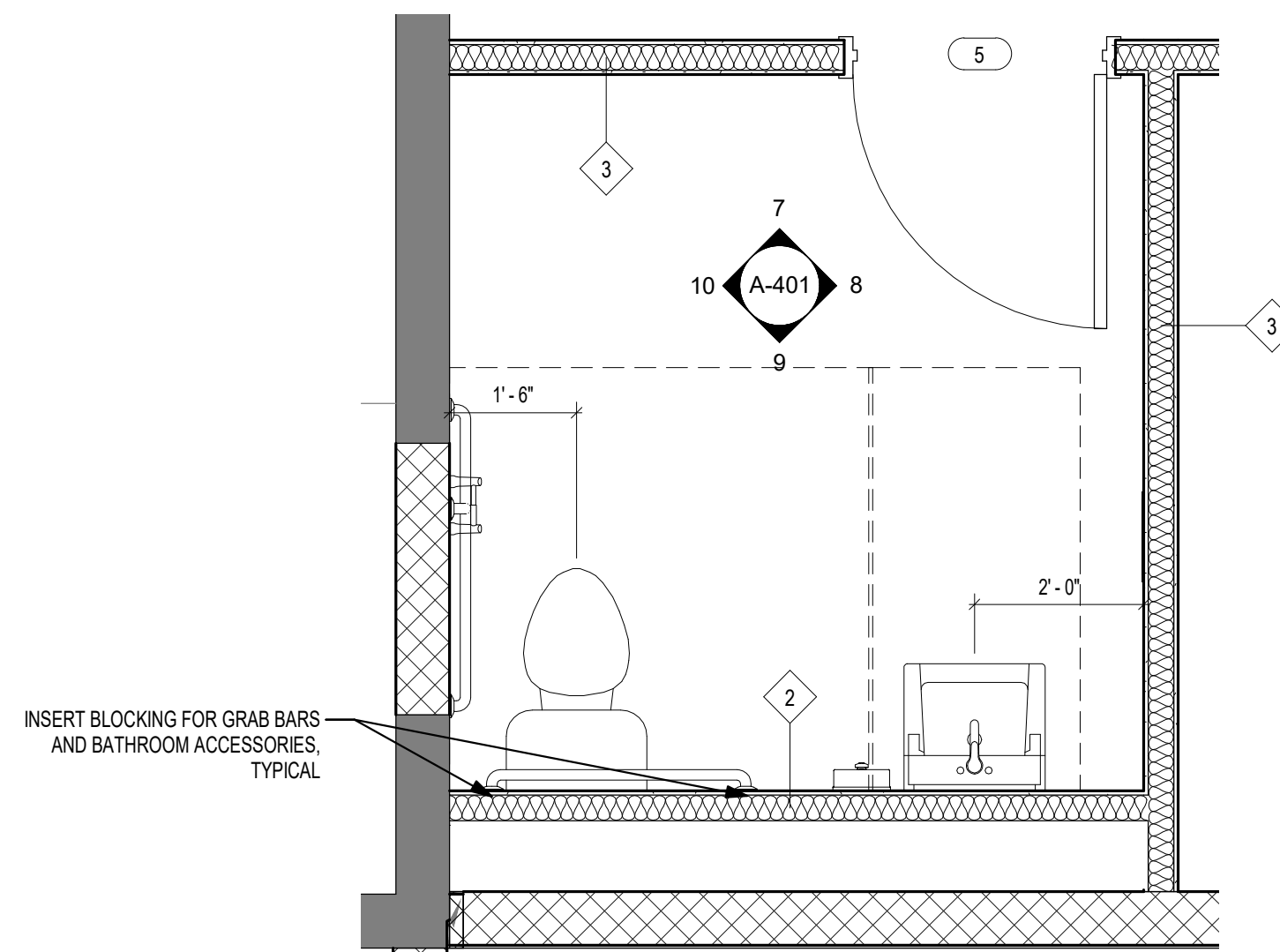
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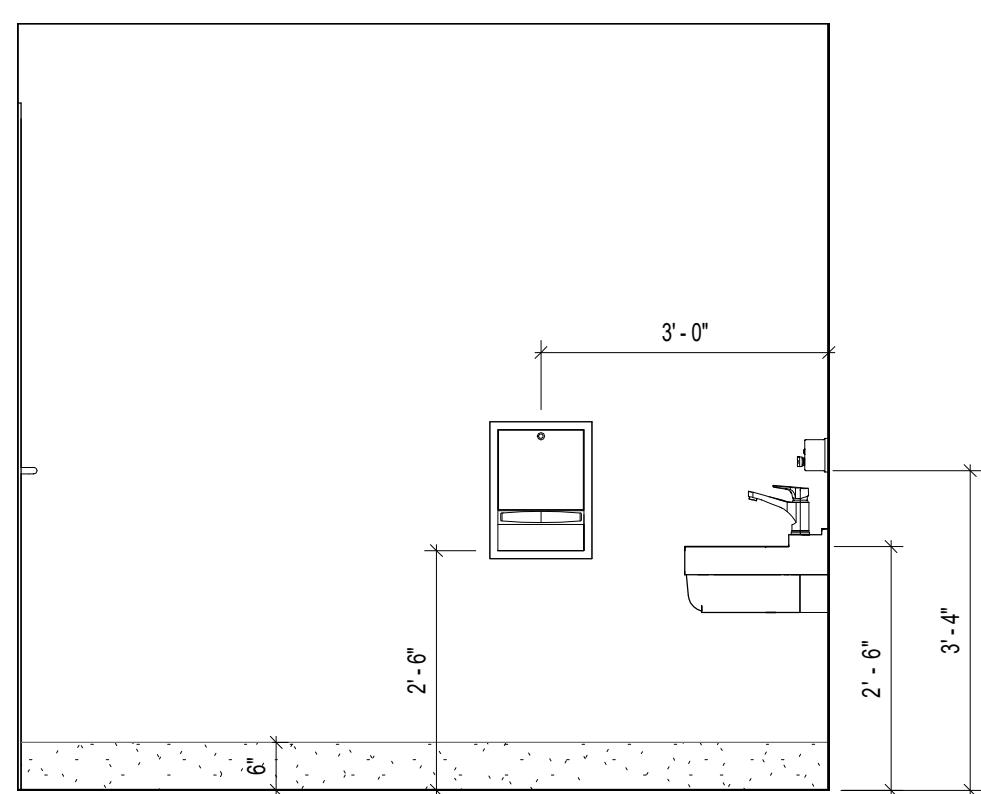
10 WATER CLOSET 5 - ELEVATION EAST
1/2" = 1'-0"



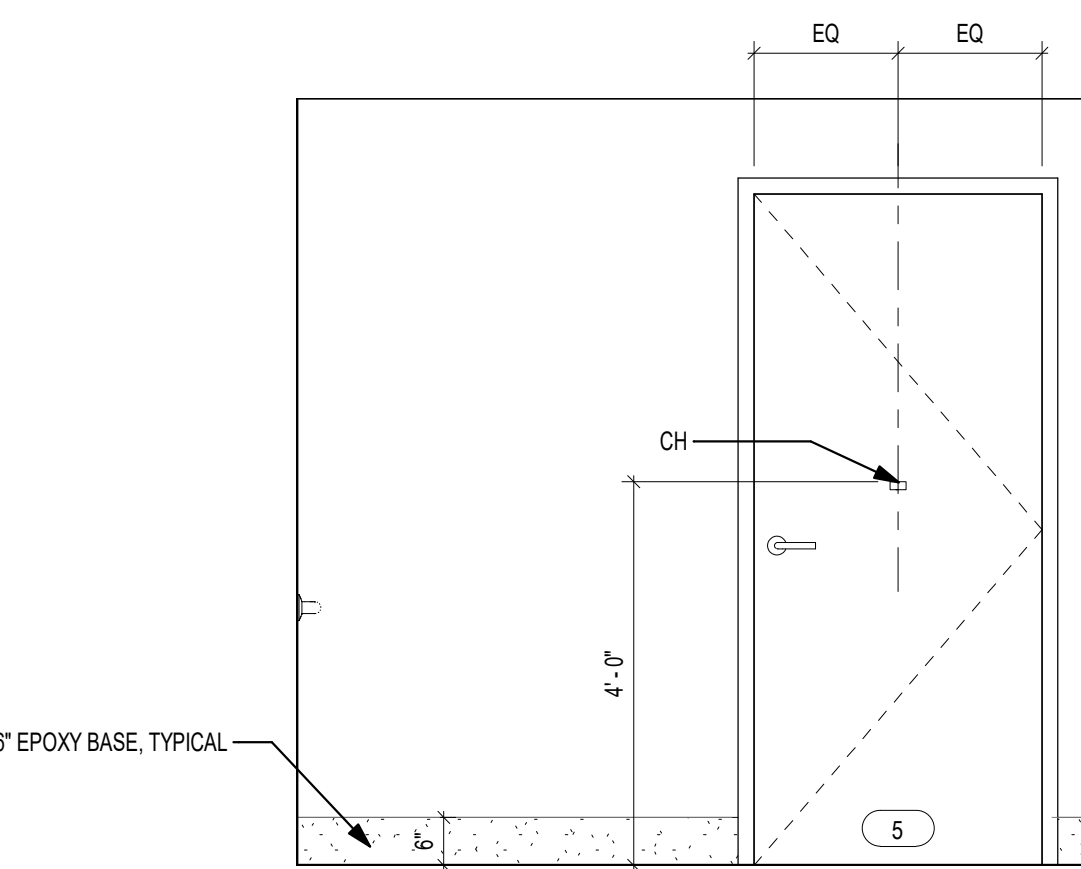
9 WATER CLOSET 5 - ELEVATION NORTH
1/2" = 1'-0"



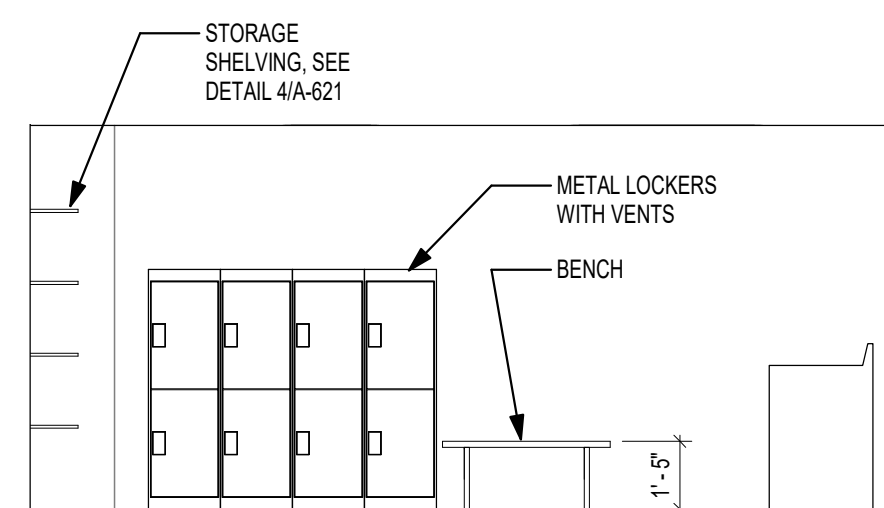
11 ENLARGED BATHROOM PLAN
1/2" = 1'-0"



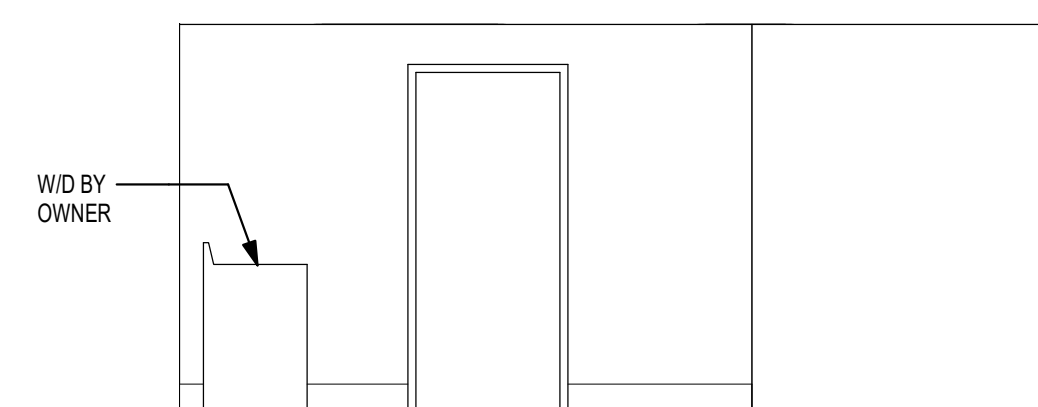
8 WATER CLOSET 5 - ELEVATION WEST
1/2" = 1'-0"



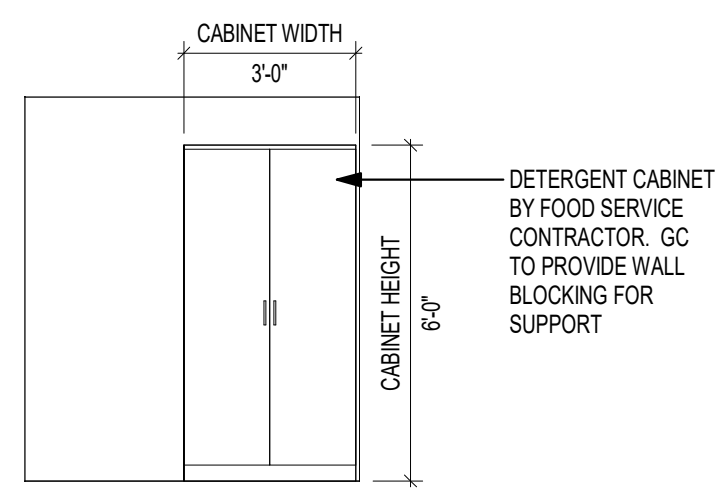
7 WATER CLOSET 5 - ELEVATION SOUTH
1/2" = 1'-0"



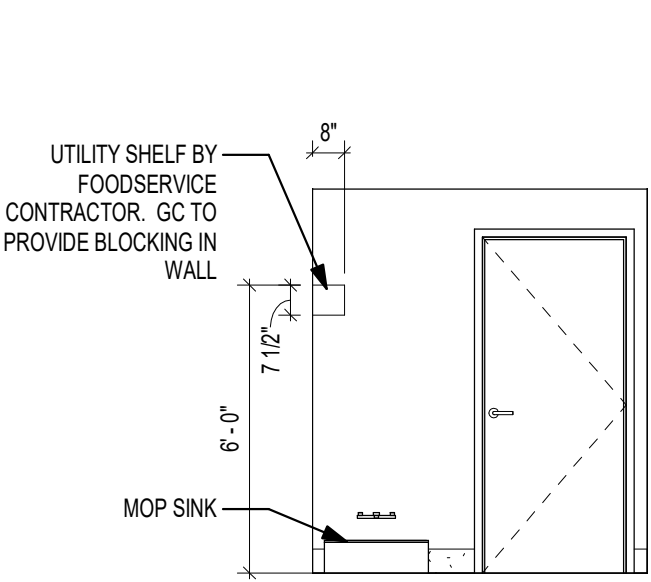
6 LOCKERS INTERIOR ELEVATION SOUTH
1/4" = 1'-0"



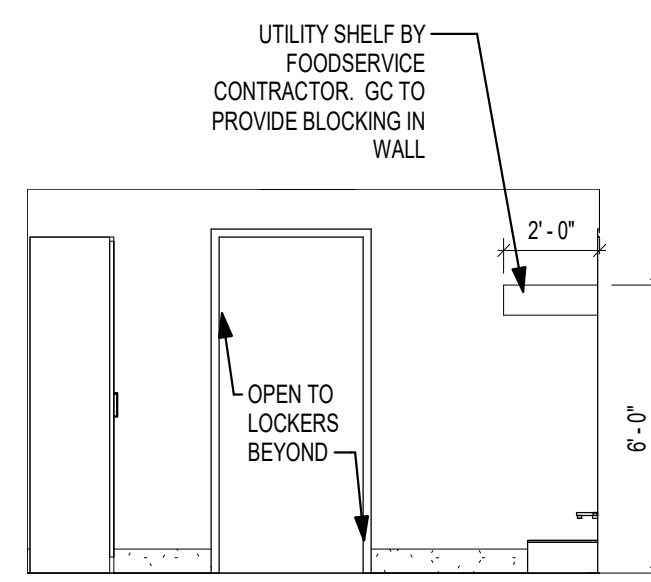
5 LOCKERS INTERIOR ELEVATION WEST
1/4" = 1'-0"



4 CLEANING INTERIOR ELEVATION EAST
1/4" = 1'-0"



3 CLEANING INTERIOR ELEVATION WEST
1/4" = 1'-0"

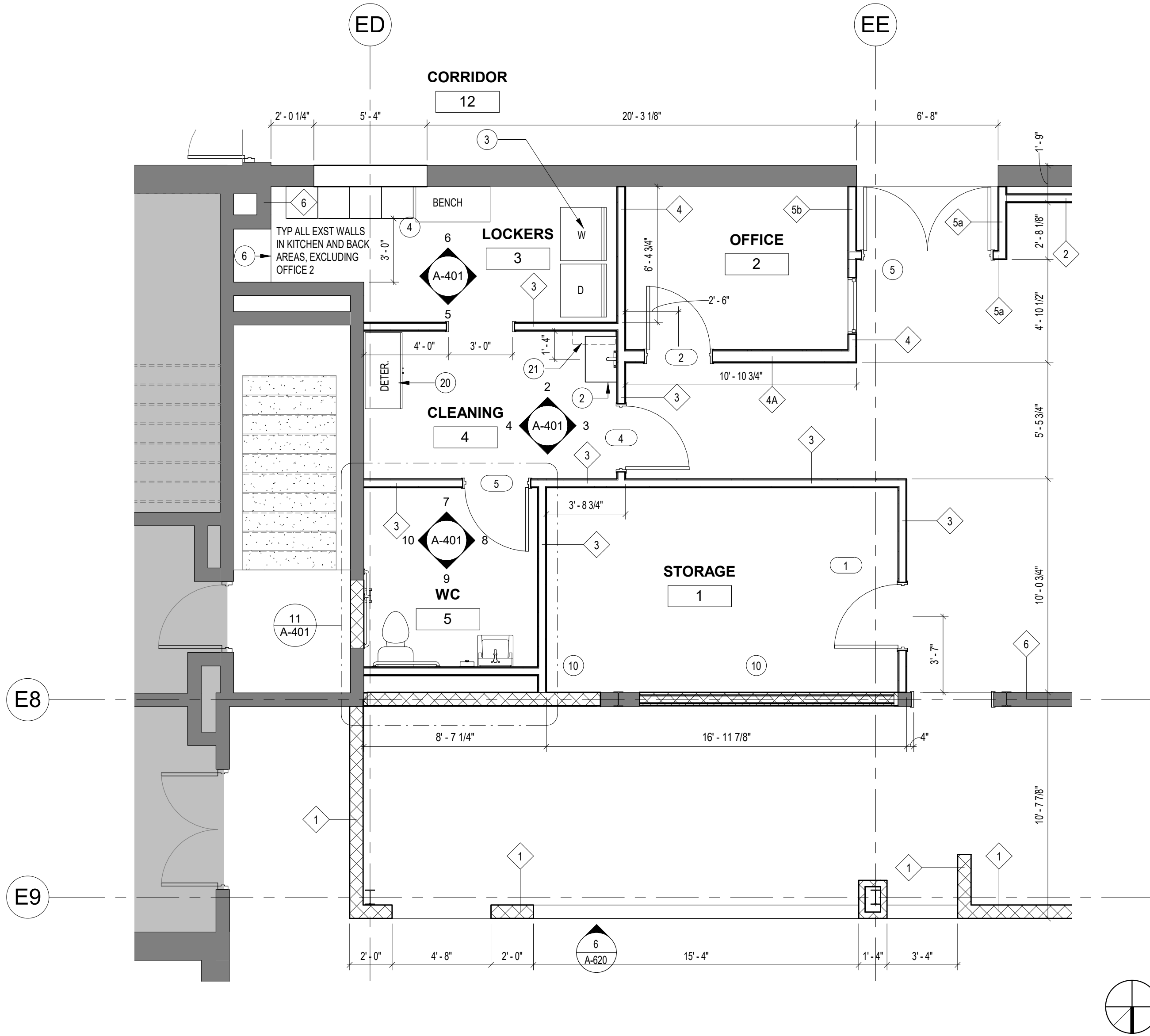


2 CLEANING INTERIOR ELEVATION SOUTH
1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

ABBREV.	ACCESSORY TYPE	MFR.	MODEL NO. (MOUNTING)
GB1	REAR GRAB BAR	AJW	UG3-A 36" (SURFACE)
GB2	SIDE GRAB BAR	AJW	UG3-A 42" (SURFACE)
GB3	VERTICAL GRAB BAR	AJW	UG3-A 18" (SURFACE)
MIR	MIRROR UNIT	AJW	U711 24"x60" (SURFACE)
CH	COAT HOOK	AJW	

- FLOOR PLAN KEYNOTES**
- EXISTING ELECTRICAL PANEL TO REMAIN
 - MOP SINK
 - RELOCATE EXISTING WASHER AND DRYER
 - 6 DOUBLE HIGH METAL LOCKERS
 - TEMPERED GLAZING IN PAINTED HOLLOW METAL FRAME. SEE FRAME STYLES AND BORROWED LITE DETAILS, SHEET A-800
 - MELAMINE SHELVES ON METAL STANDARDS. SEE DETAIL 4/A-621.
 - PLUMBING CHASE FOR SERVICES
 - 1/2" HIGH NEW ALUMINUM DOOR THRESHOLD TO MAKE FLOOR HEIGHT TRANSITION AT EXISTING DOOR AND FRAME
 - NEW SLOPED FLOOR AT 1:20 PITCH.
 - DOUBLE WYTHE BRICK INFILL AT EXISTING MASONRY OPENING FROM 3'-0" AFF TO 7'-0" AFF.
 - NEW MASONRY WALL OPENING FROM 3'-0" AFF TO 7'-0" AFF.
 - NEW LEVEL TOPPING SLAB AT ELEVATION 0'-1" AND NEW VCT FLOORING TO MATCH EXISTING
 - RELOCATE EXISTING ELECTRICAL PANELS
 - NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE/WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
 - NEW CONCRETE SLAB INFILL WHERE SLAB WAS SAWCUT FOR GREASE/WASTE PIPE CONNECTIONS. PROVIDE NEW 12" X 12" VCT FLOORING TO MATCH EXISTING AS CLOSELY AS POSSIBLE.
 - REFER TO CIVIL DRAWINGS FOR NEW PAVING INFILL OVER BASE AS REQUIRED AT NEW GREASE INTERCEPTOR.
 - NEW PAINTED GWB ENCLOSURE WITH CERAMIC TILE UP TO 4'-0" AFF.
 - EXISTING FLOORING TO REMAIN
 - NEW LEVEL TOPPING SLAB AT ELEVATION 0'-0" AND NEW VCT FLOORING TO MATCH EXISTING
 - DETERGENT CABINET PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
 - UTILITY SHELF PROVIDED BY FOODSERVICE CONTRACTOR. PROVIDE BLOCKING IN WALL.
 - GREASE INTERCEPTOR WASTE DUPLEX GRINDER PUMP ASSEMBLY AND BASIN. LOCATE AS NOTED ON ARCHITECTURAL PLAN. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.



1 ENLARGED FIRST FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	JP/ KS
Checked	RK

Drawing Name

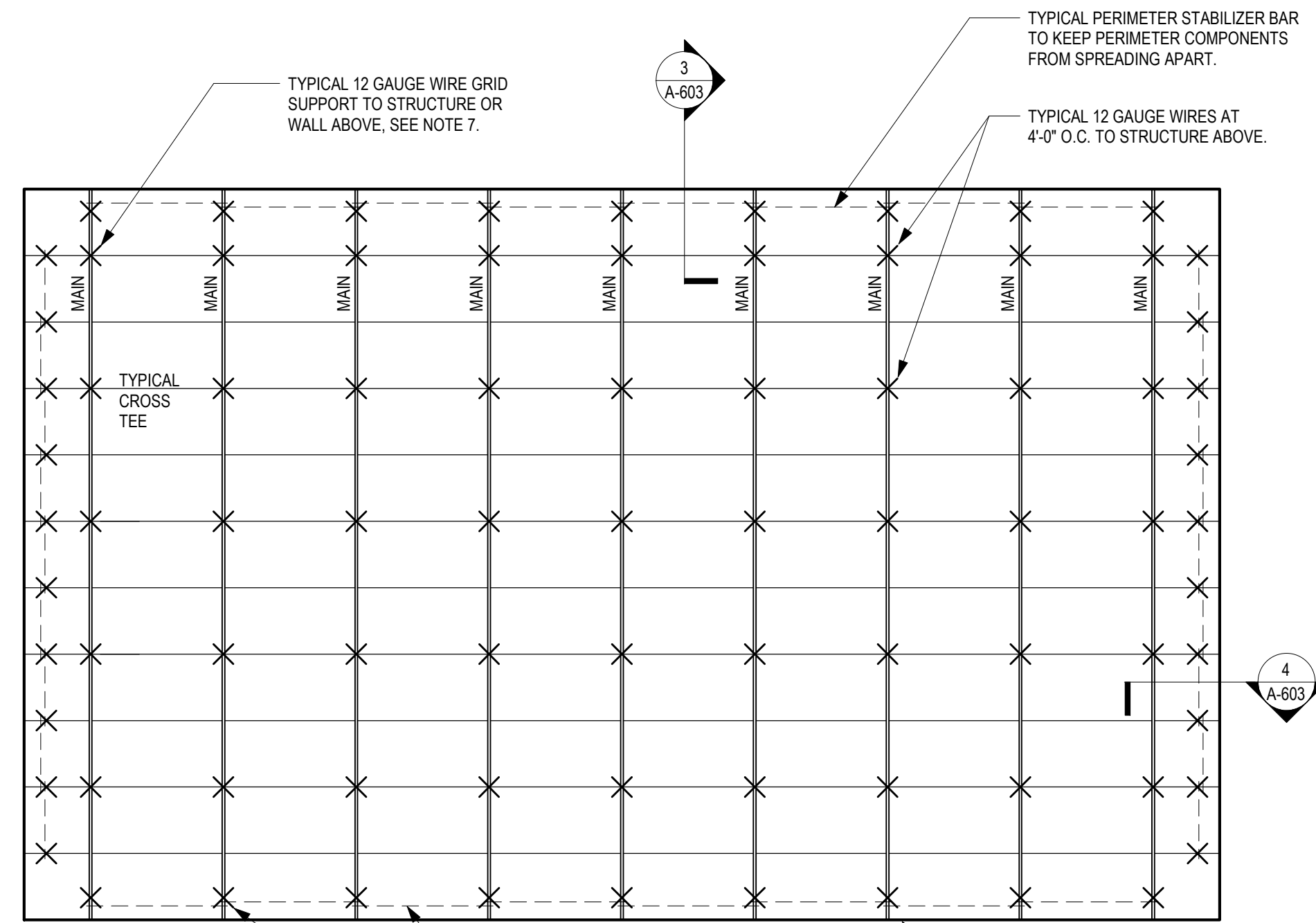
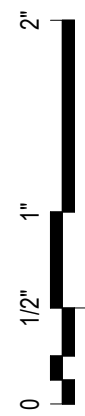
ENLARGED PLANS AND ELEVATIONS

Drawing Number

A-401

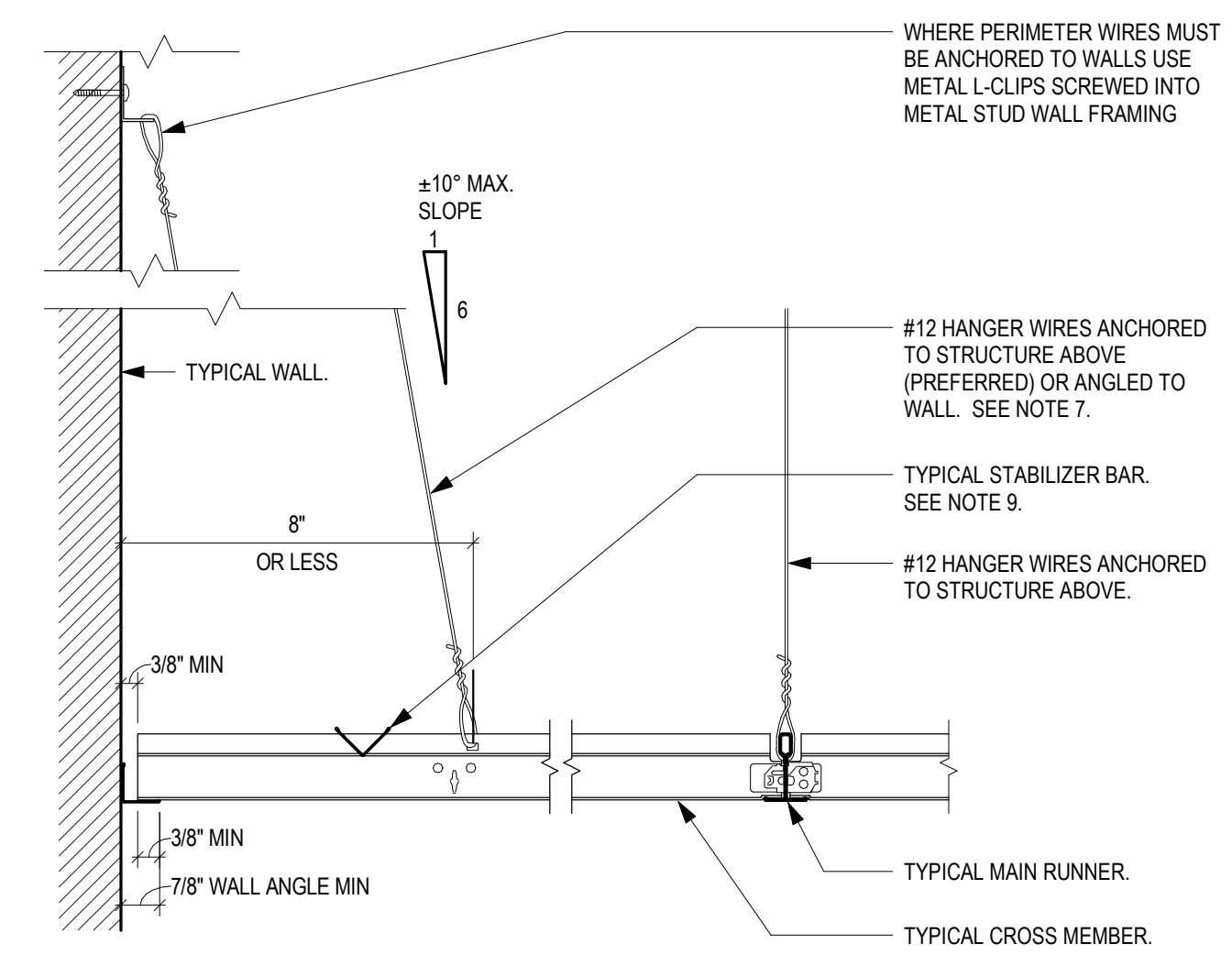
NOTES

1. CEILINGS WITH AN AREA OF 144 SQUARE FEET OR LESS AND SURROUNDED BY WALLS THAT CONNECT DIRECTLY TO THE STRUCTURE ABOVE ARE EXEMPT FROM THESE REQUIREMENTS.
2. CEILINGS CONSTRUCTED OF LATH AND PLASTER OR GYPSUM BOARD SCREW ATTACHED TO SUSPENDED MEMBERS THAT SUPPORT THE CEILING ON ONE SINGLE LEVEL EXTENDING FROM WALL TO WALL ARE EXEMPT FROM THESE REQUIREMENTS.
3. EACH INDIVIDUAL FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT OF 10 LBS. OR LESS SHALL HAVE ONE NO. 12 GAUGE WIRE HANGER CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THE WIRE DOES NOT NEED TO BE TAUGHT.
4. THE MAIN RUNNER/CROSS RUNNER INTERSECTIONS AND ALL GRID SPLICES MUST BE AN AVERAGE ULTIMATE TEST STRENGTH OF 80 LBS. OR MORE IN BOTH TENSION AND COMPRESSION. THE TENSILE TEST MUST ALLOW FOR A 5" OFFSET OF THE CONNECTION IN ANY DIRECTION.
5. THE ACTUAL AVERAGE WEIGHT OF THE CEILING SYSTEM INCLUDING GRID, PANELS OR TILE, LIGHT FIXTURES, AND AIR TERMINALS MUST BE 2.5 LBS PER SQUARE FOOT OR LESS. ALL OTHER SERVICES MUST BE SUPPORTED INDEPENDENTLY AND NOT FROM THE CEILING SYSTEM. FOR CEILINGS THAT HAVE AN AVERAGE WEIGHT GREATER THAN 2.5 LBS. PER SQUARE FOOT, THE CEILING MUST BE INSTALLED AS SPECIFIED FOR CISCA ZONES 3-4. OTHER DEVIATIONS OR VARIATIONS MUST BE SUBSTANTIATED BY VERIFIABLE ENGINEERING DATA.
6. THE SUSPENDED CEILING SYSTEM MUST NOT BE USED TO PROVIDE LATERAL SUPPORT FOR WALLS OR PARTITIONS. WALLS AND PARTITIONS MAY BE ATTACHED TO THE CEILING GRID PROVIDED THEY ALLOW THE CEILING MEMBRANE TO MOVE Laterally TO ACCOMMODATE THE REQUIRED CLEARANCES.
7. ALL PERIMETER CLOSURE ANGLES OR CHANNELS MUST PROVIDE A SUPPORT 7/8" OR GREATER. A PERIMETER END OF A GRID MEMBER MUST REST EDGE OF 3/8" CLEARANCE FROM AN EDGE OR ON THE LEDGE OR MOLDING WITH AT LEAST A 8 WALL AS SHOWN IN THE DETAILS. FOR PERIMETER CLOSURE ANGLES THAT 3/8", THE PERIMETER ENDS OF EACH PROVIDE A SUPPORT LEDGE OF LESS THAN 3/8" CROSS RUNNER AND MAIN RUNNER SHALL BE INDEPENDENTLY SUPPORTED WITHIN 8" FROM EACH WALL OR CEILING DISCONTINUITY.
8. ALL CEILING PENETRATIONS SUCH AS COLUMNS, PIPING, ETC. AND INDEPENDENTLY SUPPORTED FIXTURES OR SERVICES ARE TO BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.
9. AT WALL CLOSURE LEDGES, THE CROSS RUNNER AND MAIN RUNNER ENDS SHALL BE PREVENTED FROM SPREADING APART FROM EACH OTHER.
10. PERMANENT ATTACHMENTS TO THE WALL ANGLES (E.G. POP RIVETS) FOR GRID ALIGNMENT PURPOSES IS NOT PERMITTED.

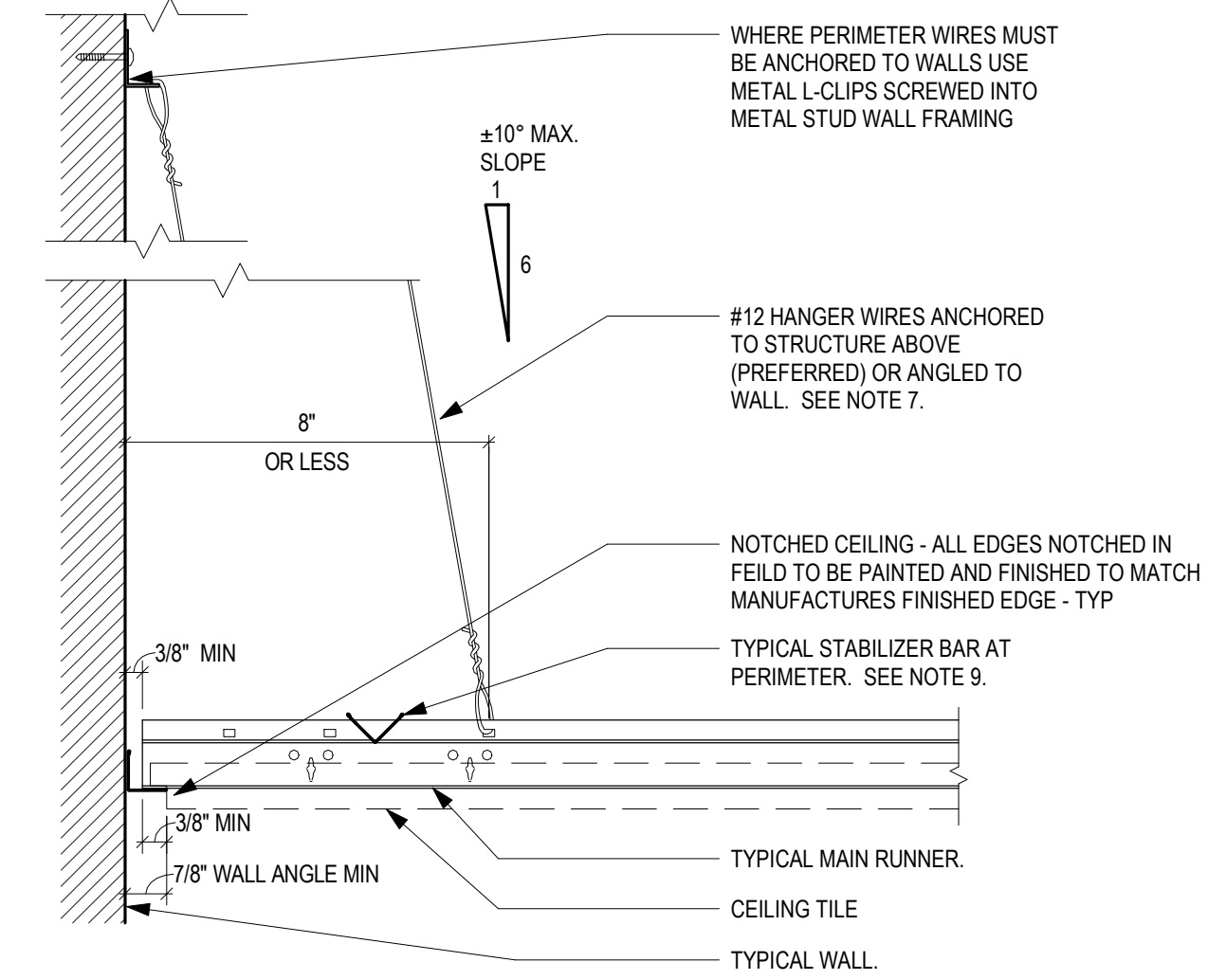


THESE DETAILS ARE FOR IBC TYPE "C" SEISMIC CEILING DESIGN, AND FOR CISCA ZONES 0 TO 2.

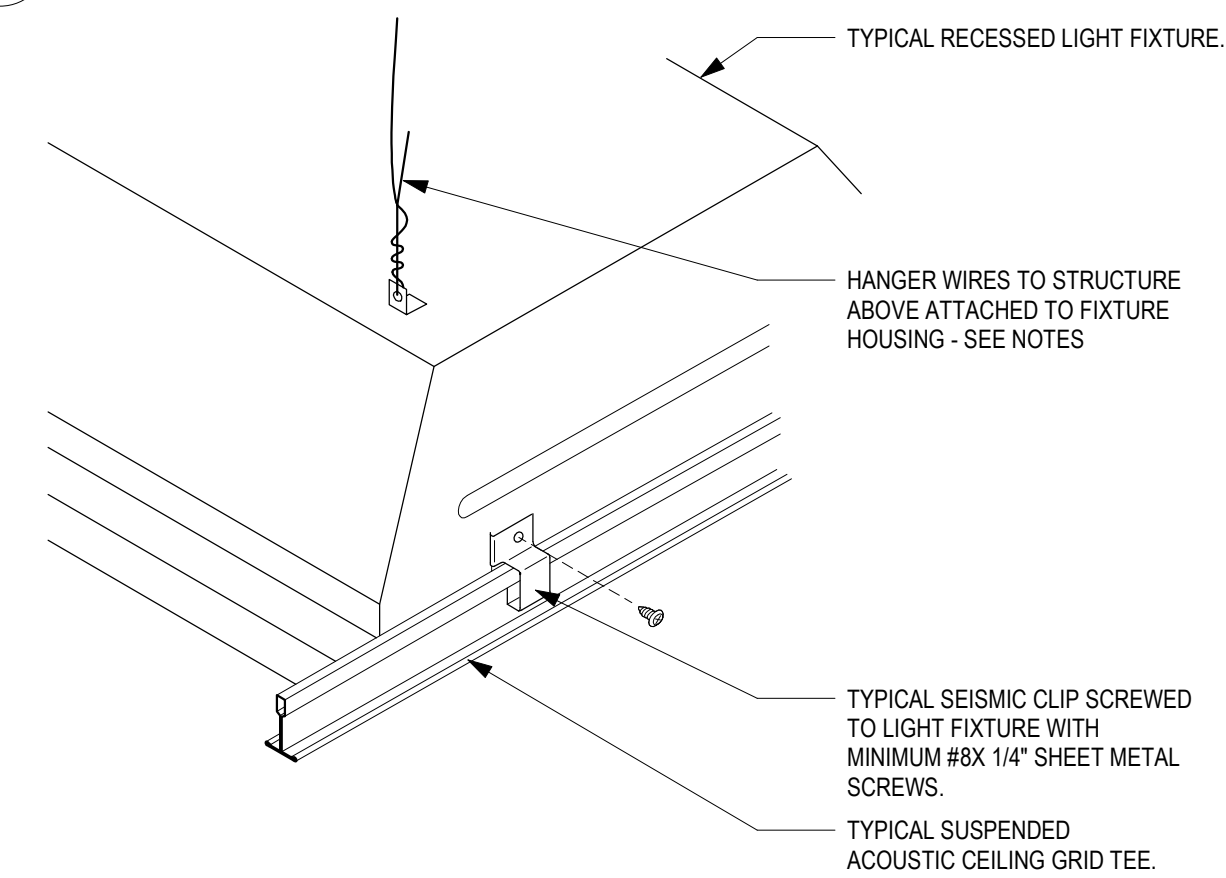
TYPICAL PERIMETER STABILIZER BAR TO KEEP PERIMETER COMPONENTS FROM SPREADING APART.
TYPICAL 12 GAUGE WIRE GRID SUPPORT TO STRUCTURE OR WALL ABOVE, SEE NOTE 7.
TYPICAL 7/8" WALL ANGLE AT PERIMETER.



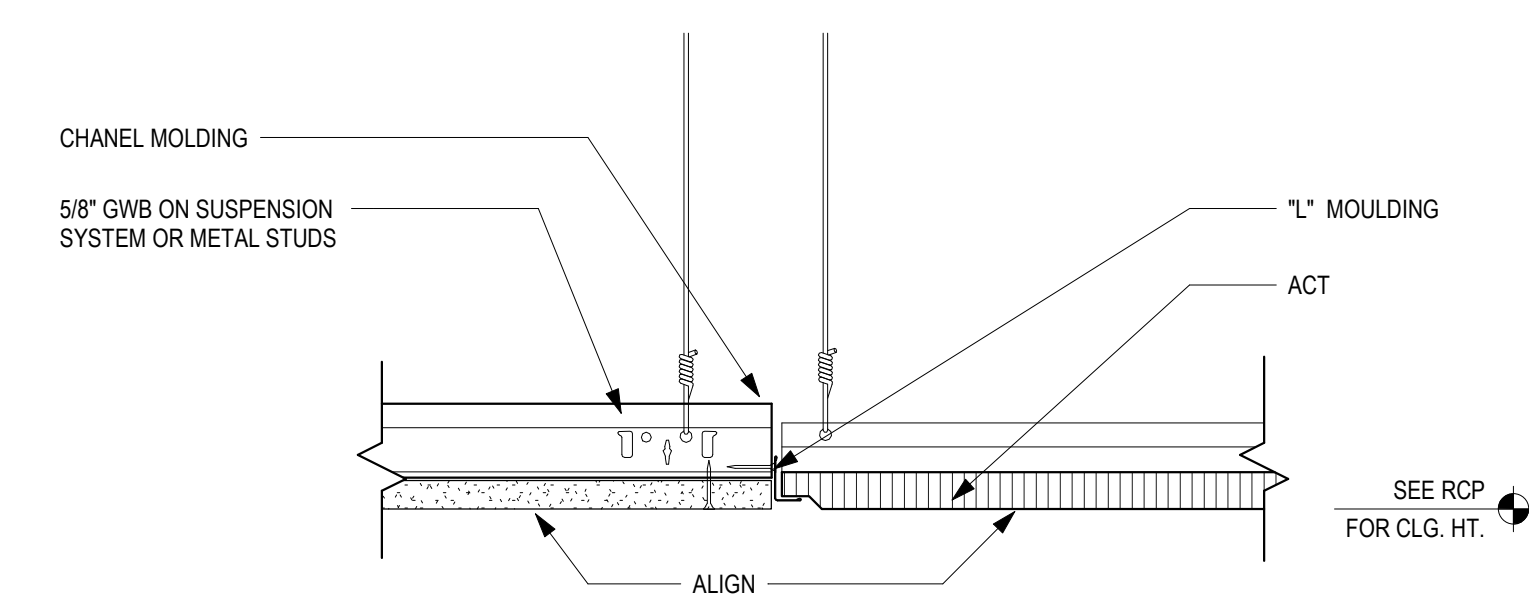
4 CROSS MEMBER @ PERIMETER WALL
3" = 1'-0"



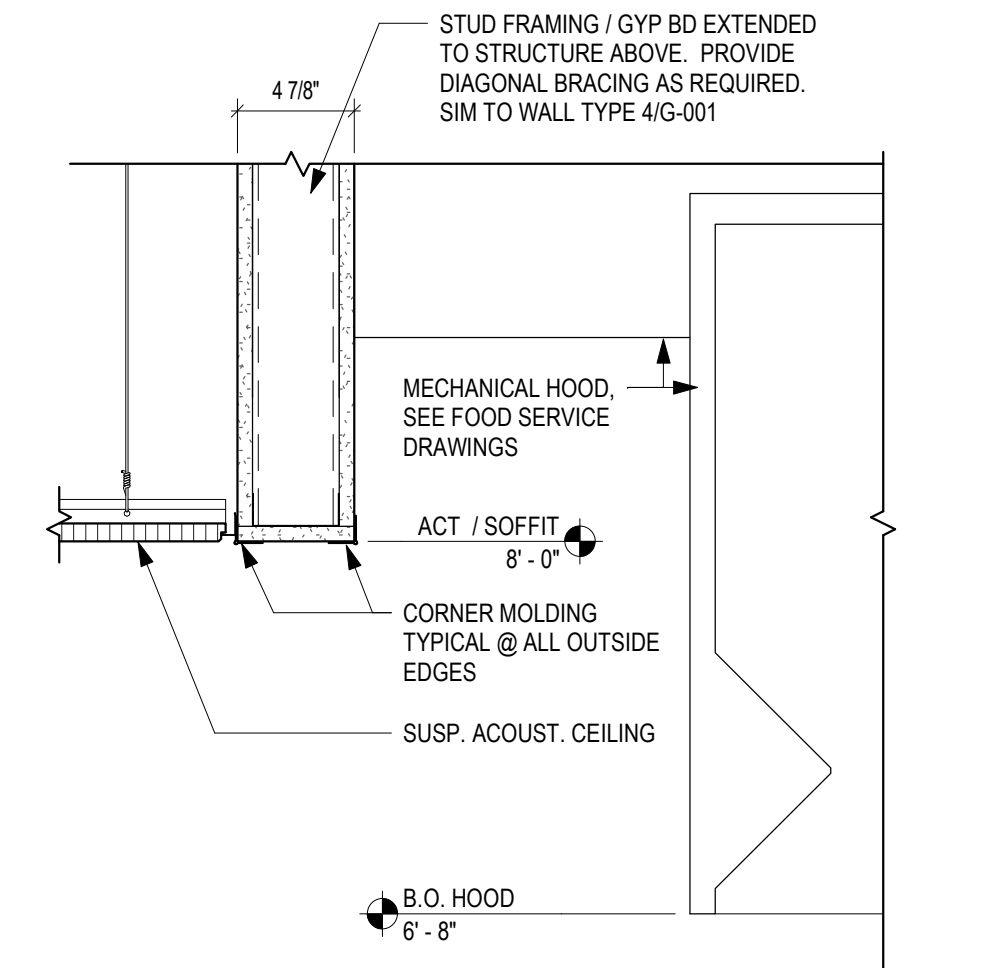
3 MAIN MEMBER @ PERIMETER WALL
3" = 1'-0"



2 CEILING @ RECESSED LIGHT FIXTURE
3/4" = 1'-0"



1 GWB TO ACT - FLUSH
3" = 1'-0"



5 GWB SOFFIT @ HOOD
1 1/2" = 1'-0"

Kitchen Code Violation Project

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GL-2019-19

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Revisions

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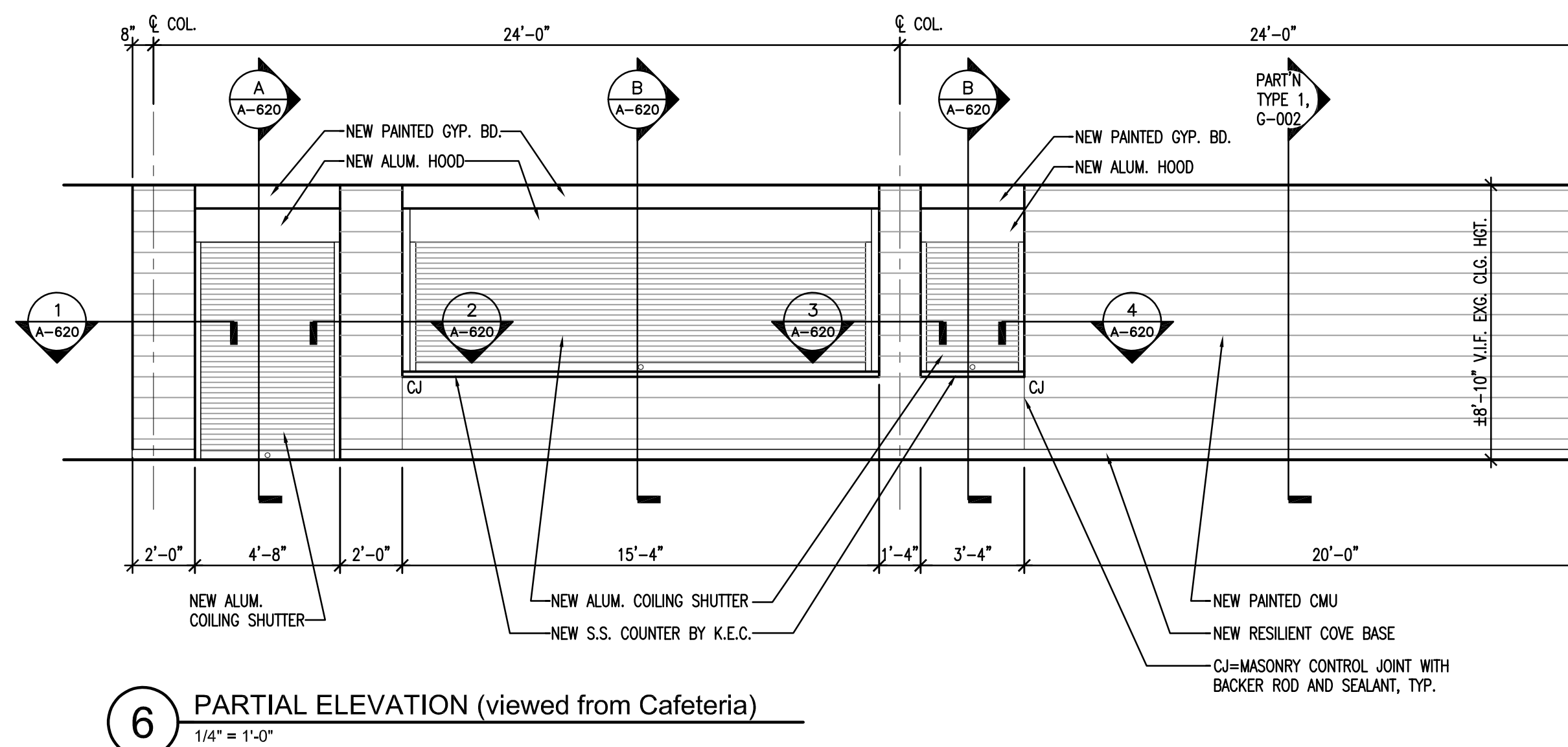
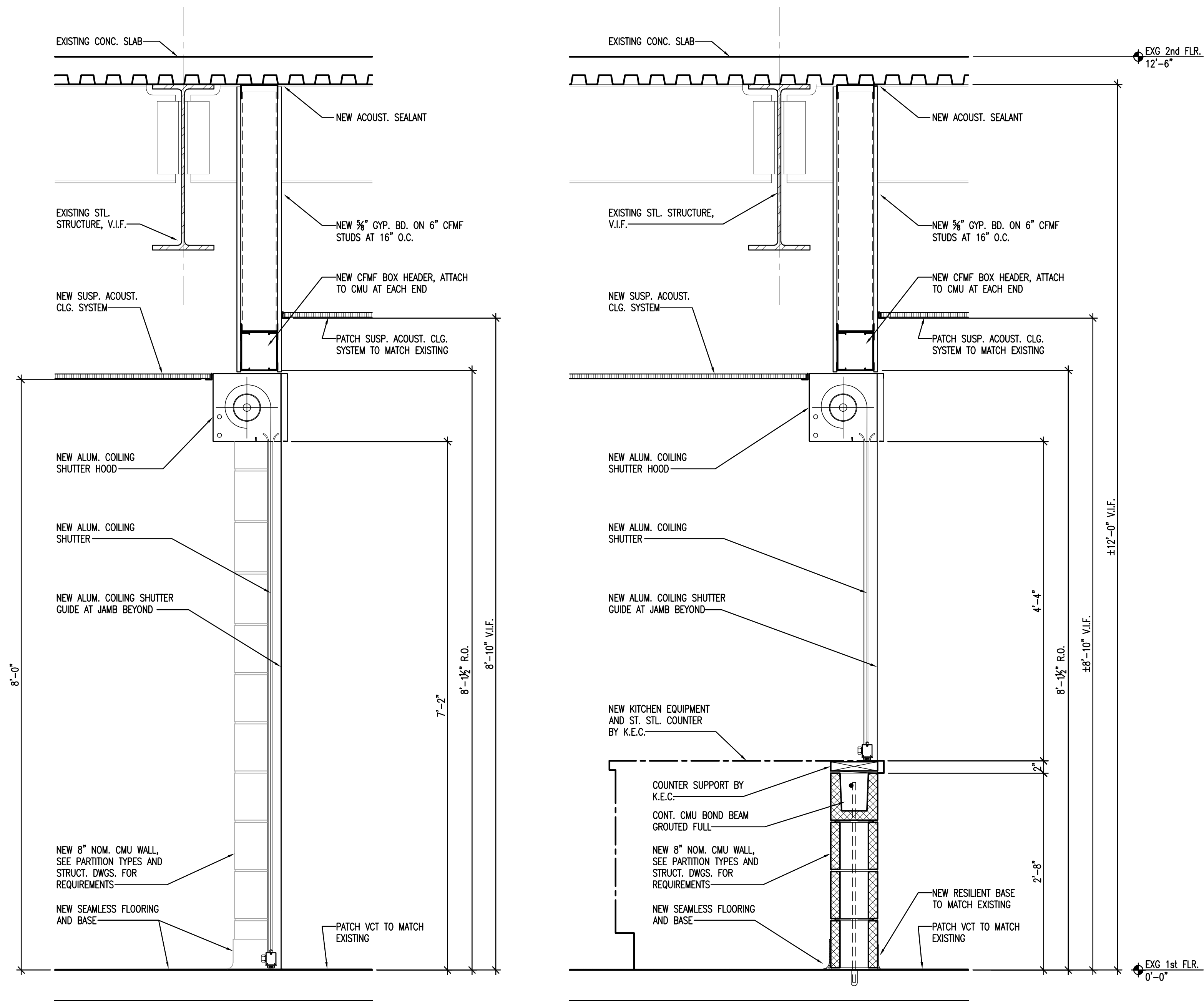
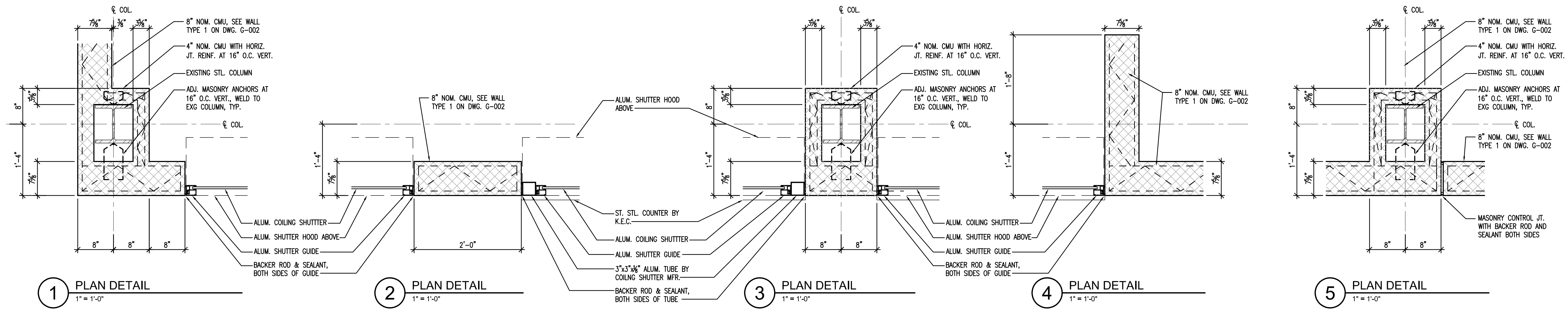
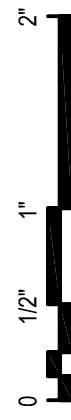
Drawing Information

Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	JP
Checked	RK
Drawing Name	

CEILING DETAILS

Drawing Number

A-603



Kitchen Code Violation Project

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Drawing Information

Date March 29, 2019

Job Number 146.01.002

Scale AS NOTED

Drawn RK

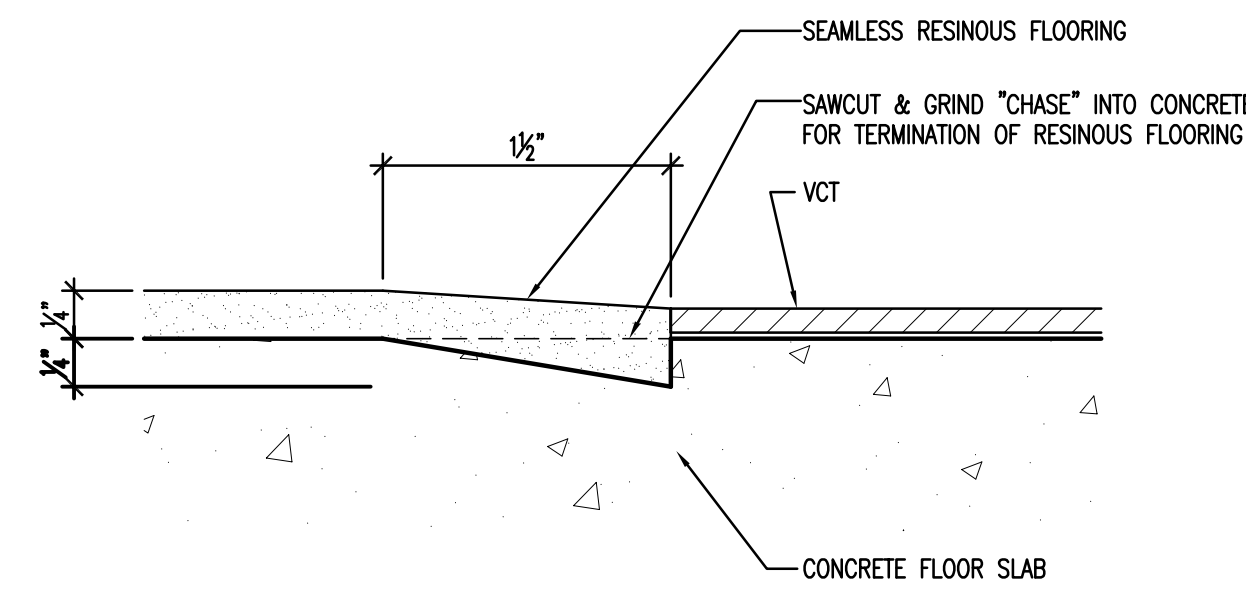
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Drawing Name

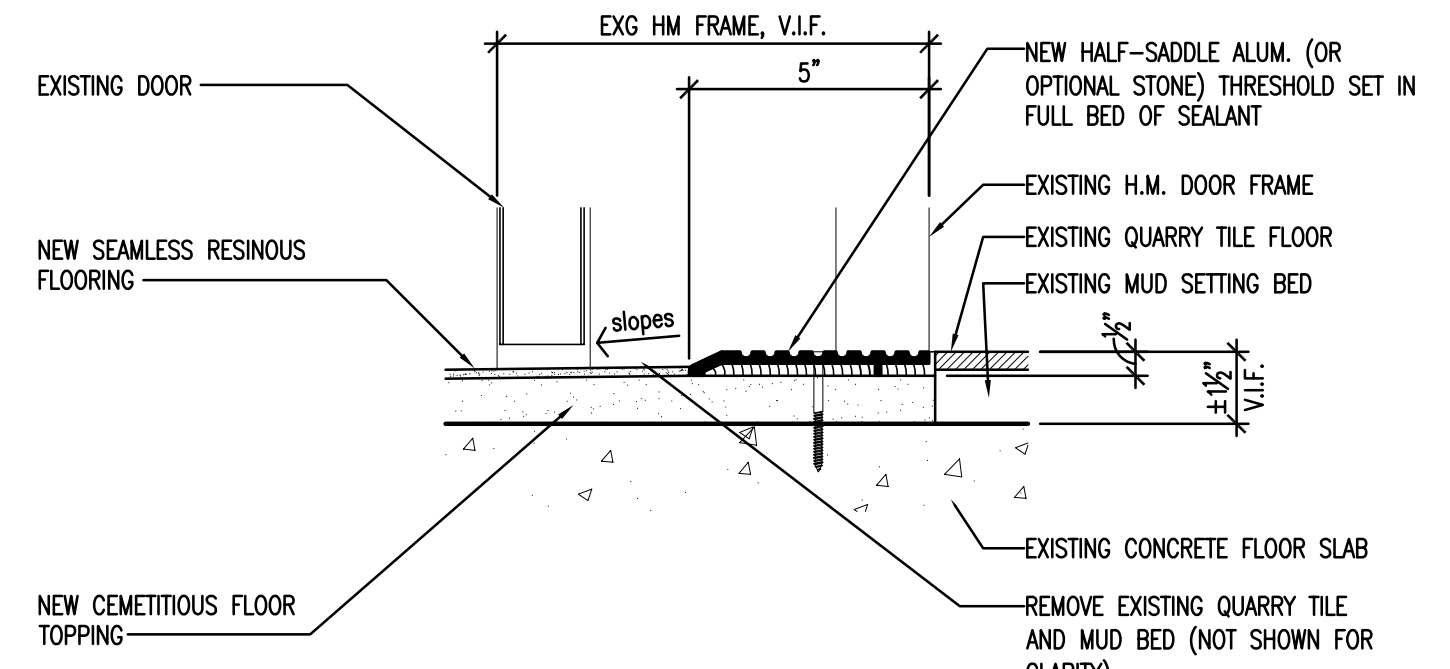
COILING SHUTTER DETAILS

Drawing Number

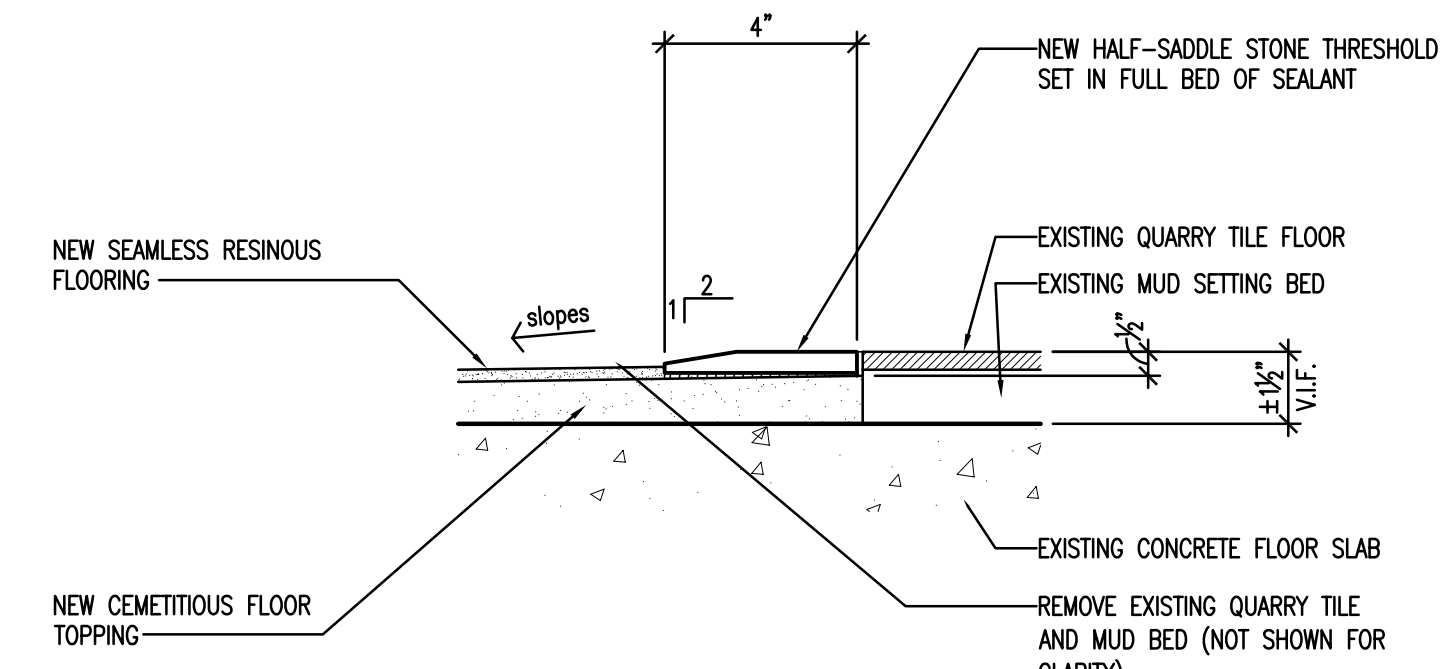
A-620



3a URETHANE-TO-VCT
FULL SIZE

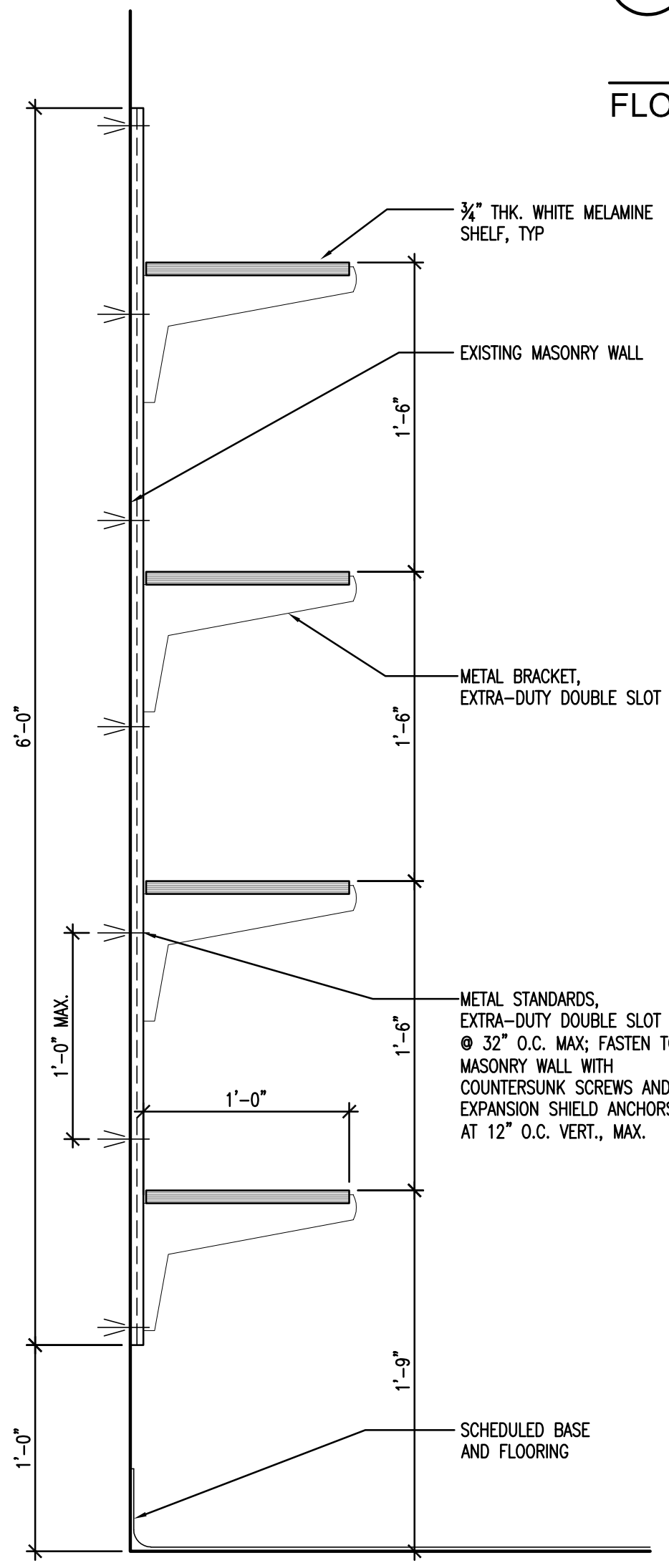


3b QUARRY TILE-TO-RESINOUS (at existing door)
3" = 1'-0"

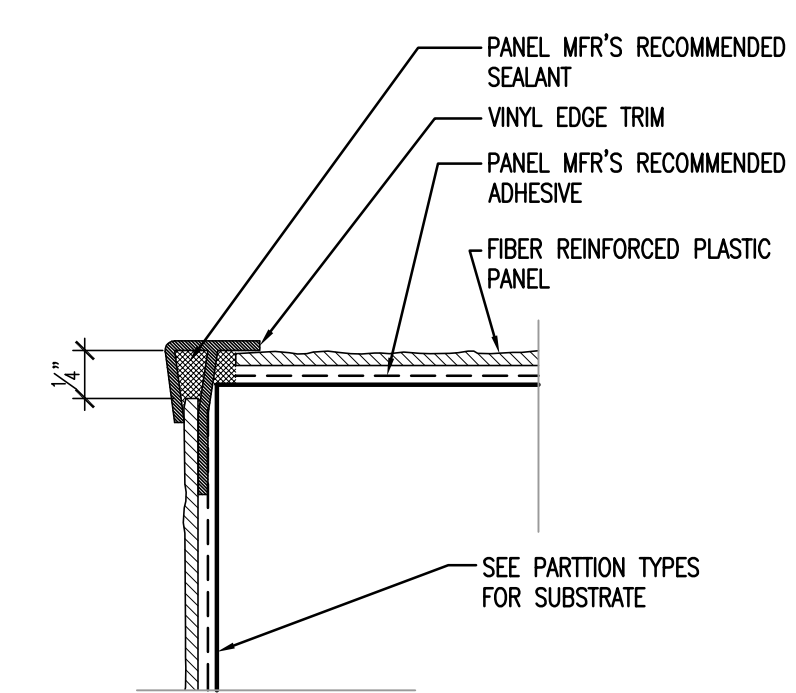


3c QUARRY TILE-TO-RESINOUS (at roll-thru food cabinets)
3" = 1'-0"

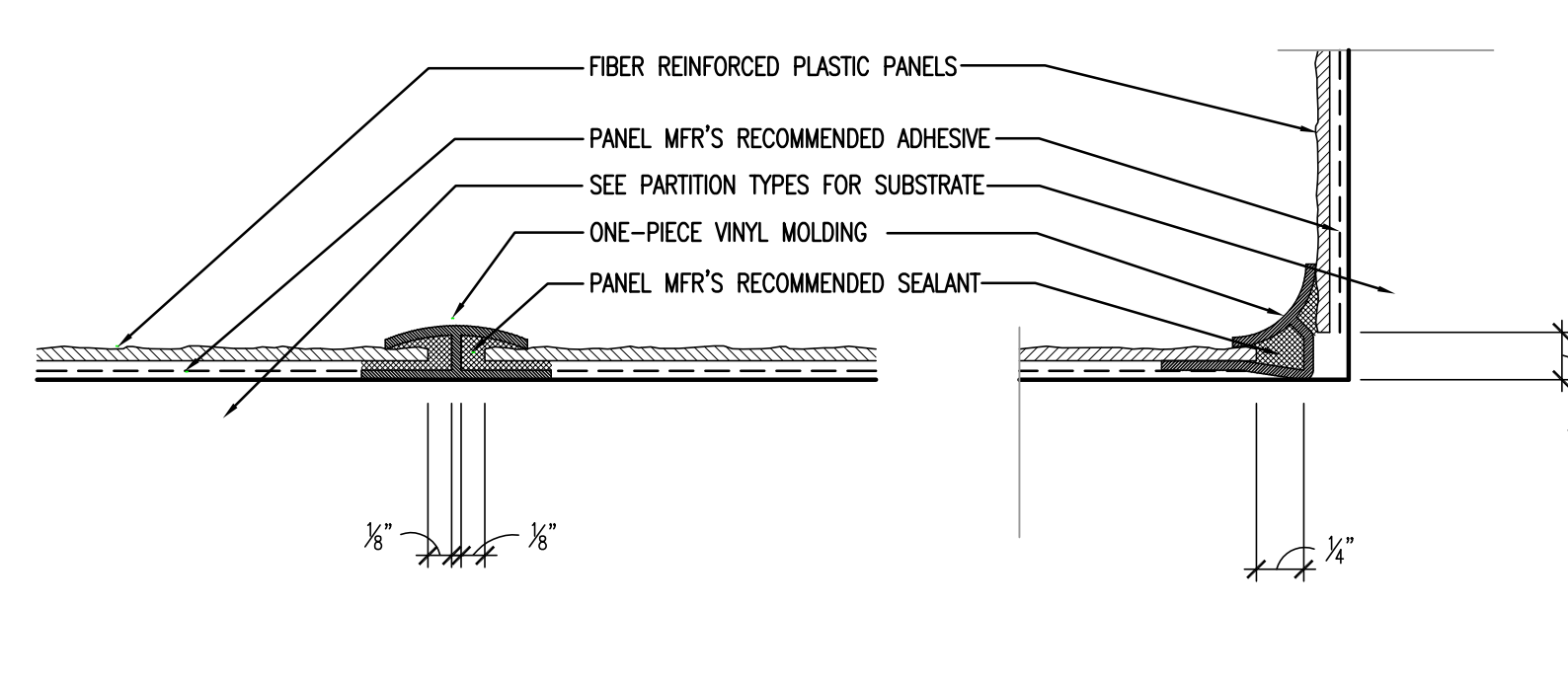
FLOORING TRANSITION DETAILS



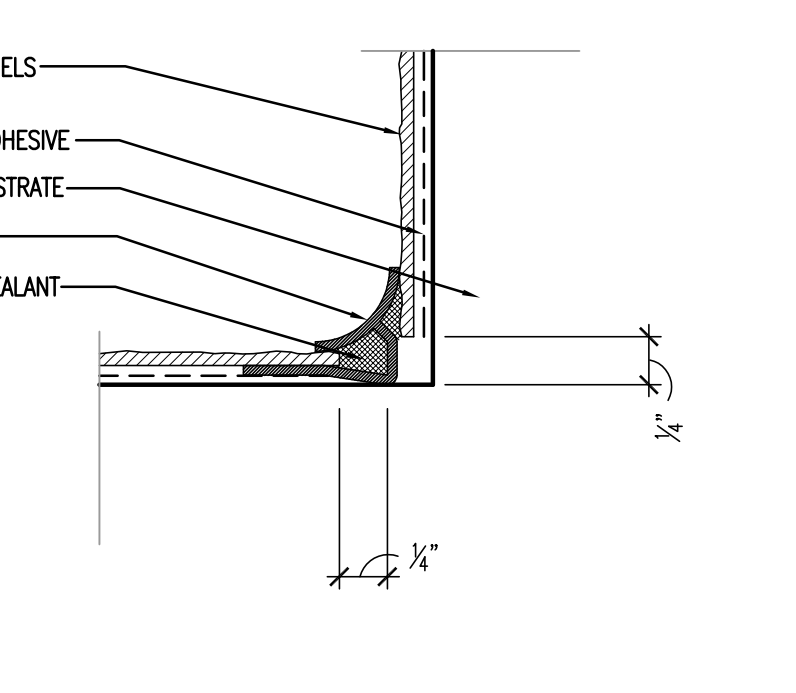
4 SECTION @ STORAGE SHELVING
1 1/2" = 1'-0"



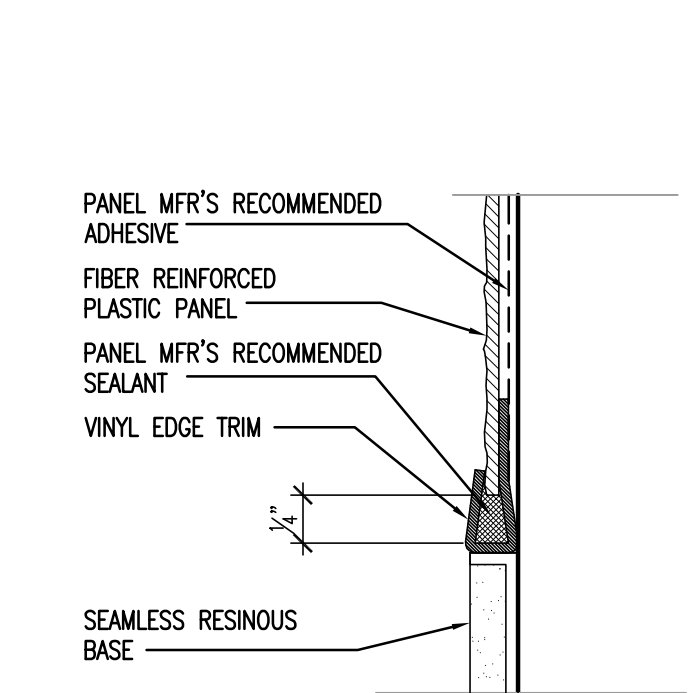
2c F.R.P. OUTSIDE CORNER DETAIL
FULL SIZE



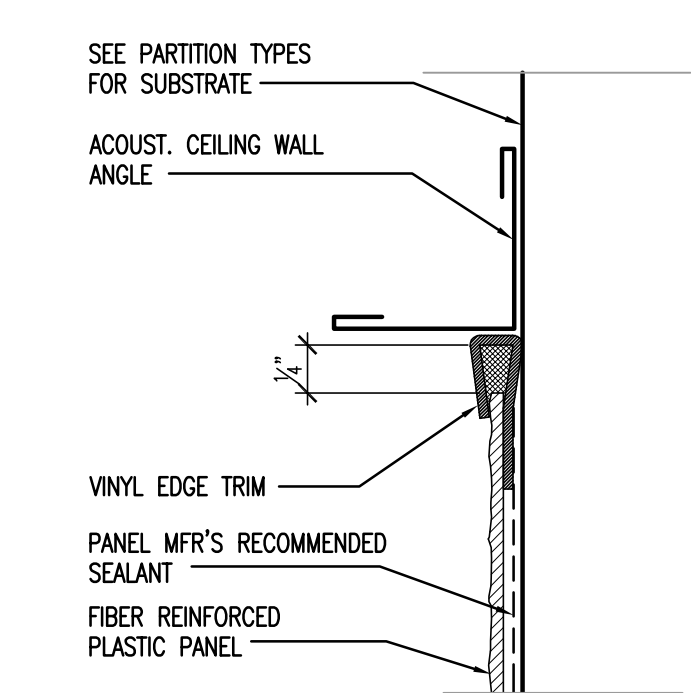
2d F.R.P. DIVISION BAR DETAIL
FULL SIZE



2e F.R.P. INSIDE CORNER DETAIL
FULL SIZE

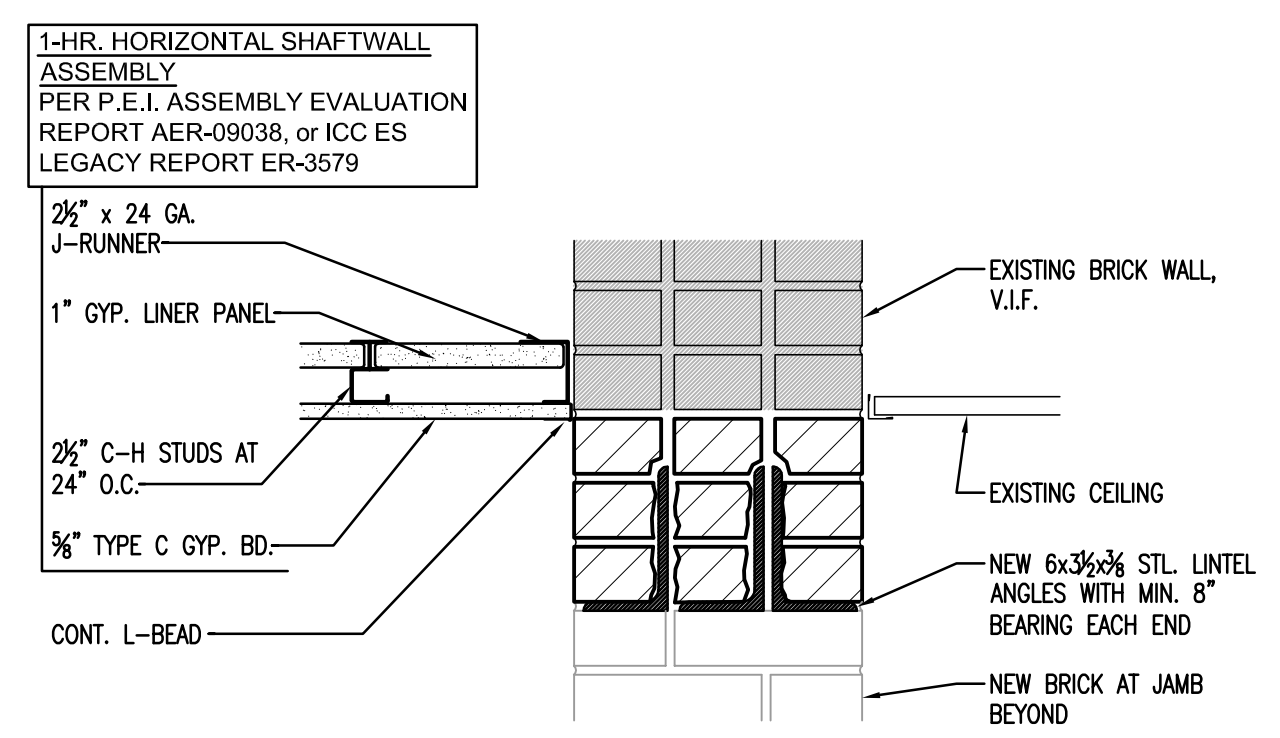


2a F.R.P. DETAIL at BASE
FULL SIZE

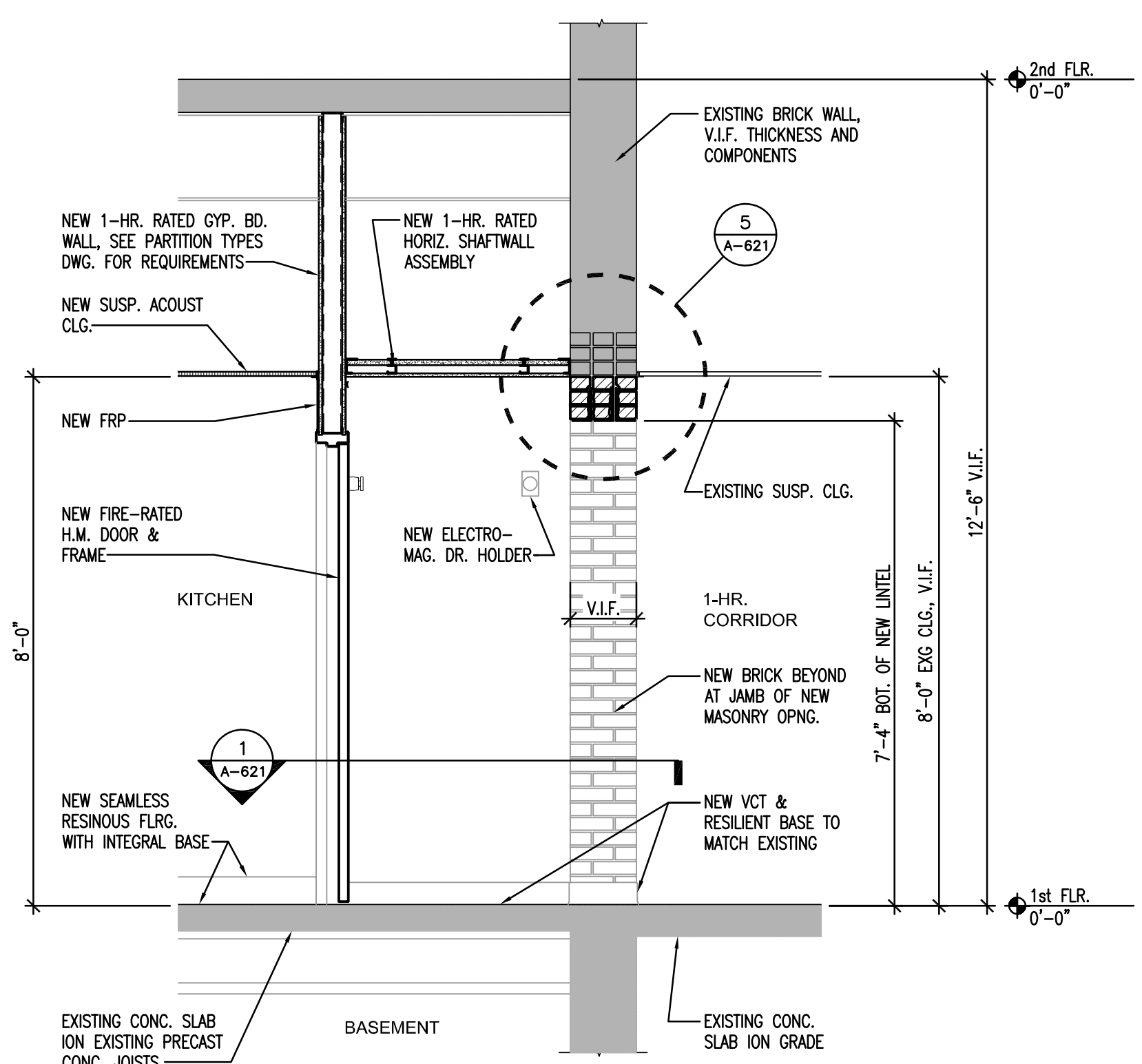


2b F.R.P. DETAIL at CEILING
FULL SIZE

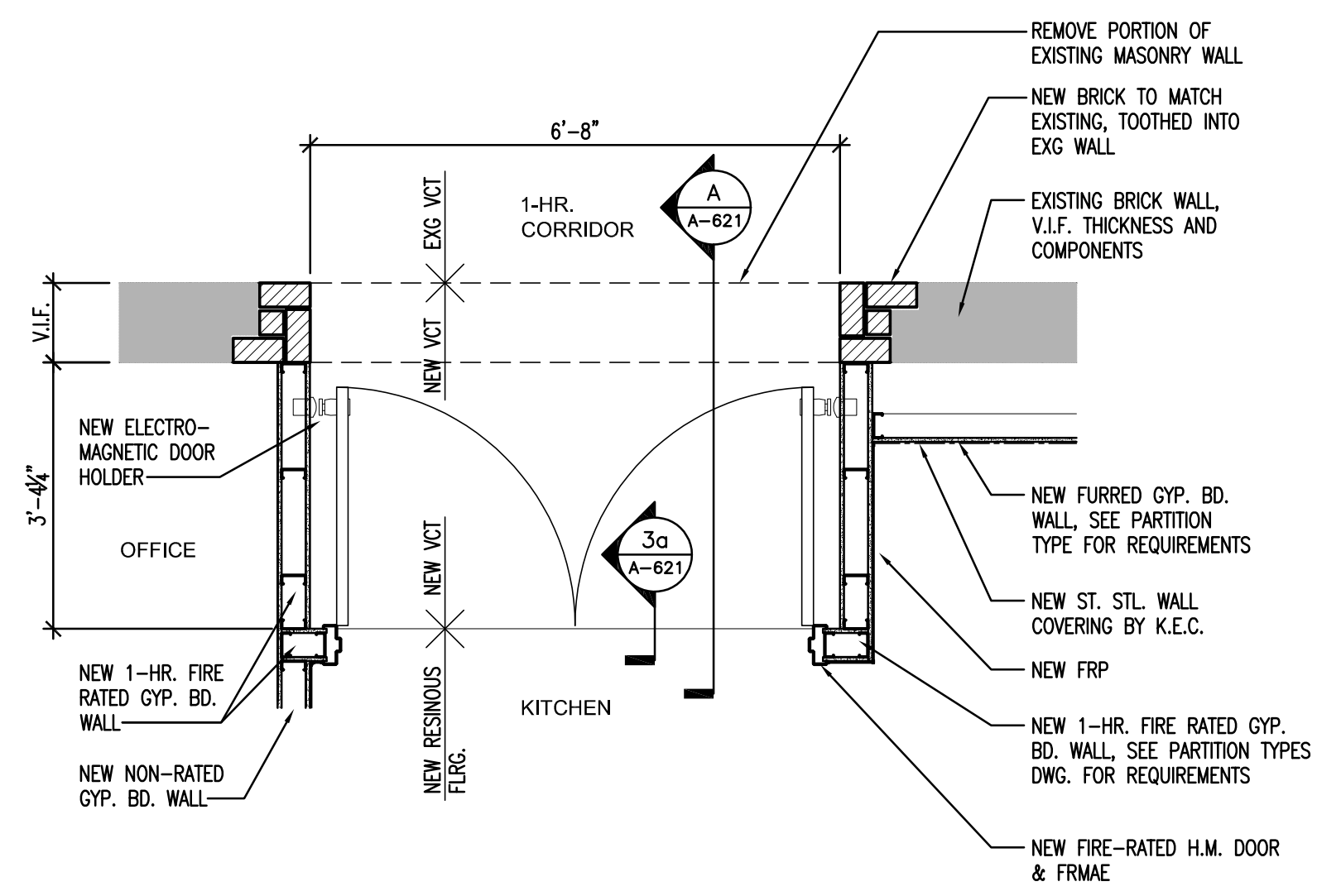
TYPICAL FIBERGLASS REINFORCED PANEL (F.R.P.) DETAILS



5 NEW MASONRY OPENING LINTEL DETAIL
1 1/2" = 1'-0"



A SECTION at DOOR 6
1/2" = 1'-0"



1 ENLARGED PLAN at DOOR 6
1/2" = 1'-0"

Revisions

Issue Record

Seal

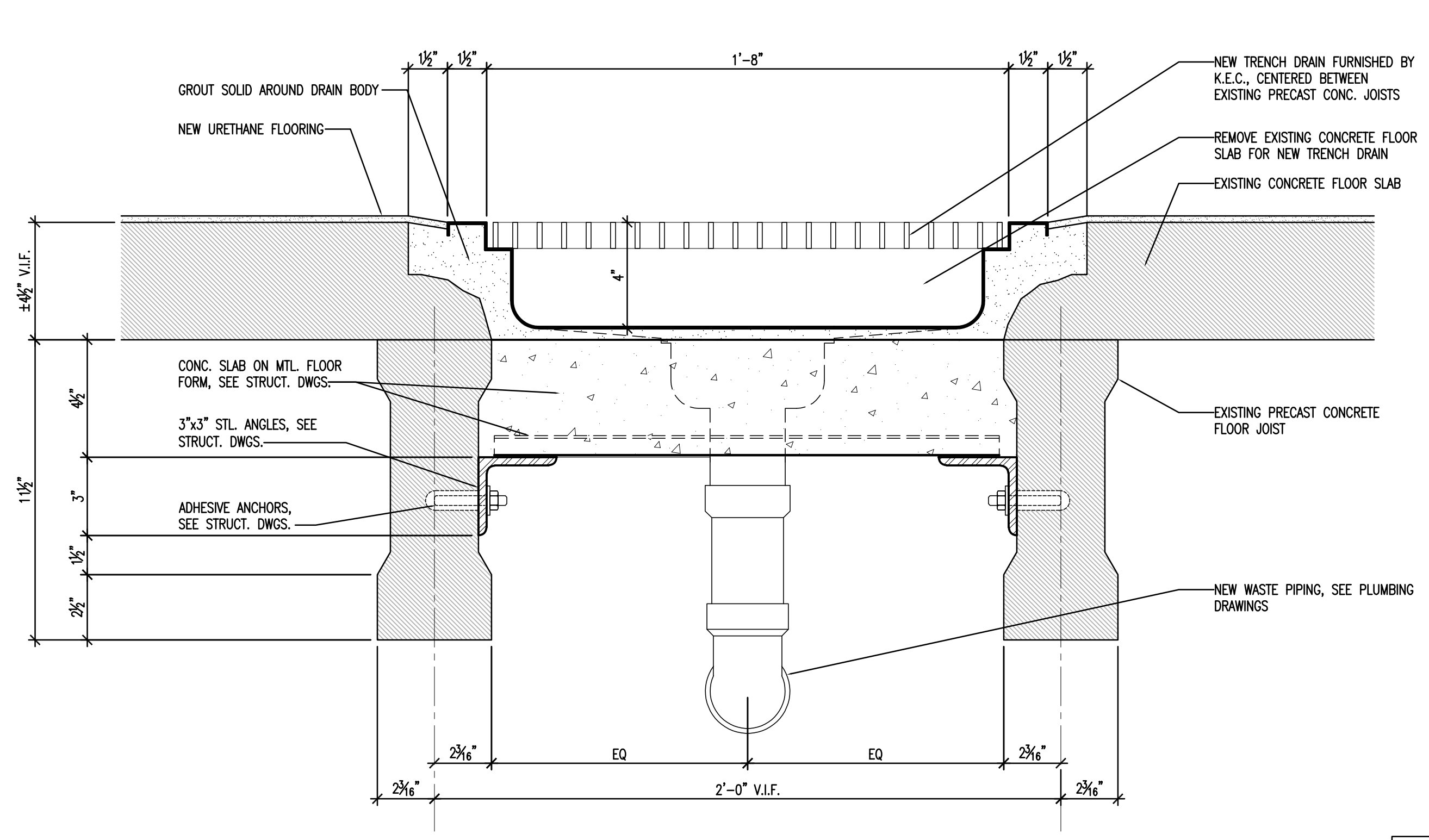
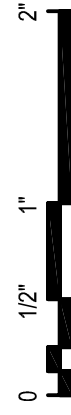
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	146.01.002
Scale	AS NOTED
Drawn	RK
Checked	GE
Drawing Name	

MISCELLANEOUS DETAILS

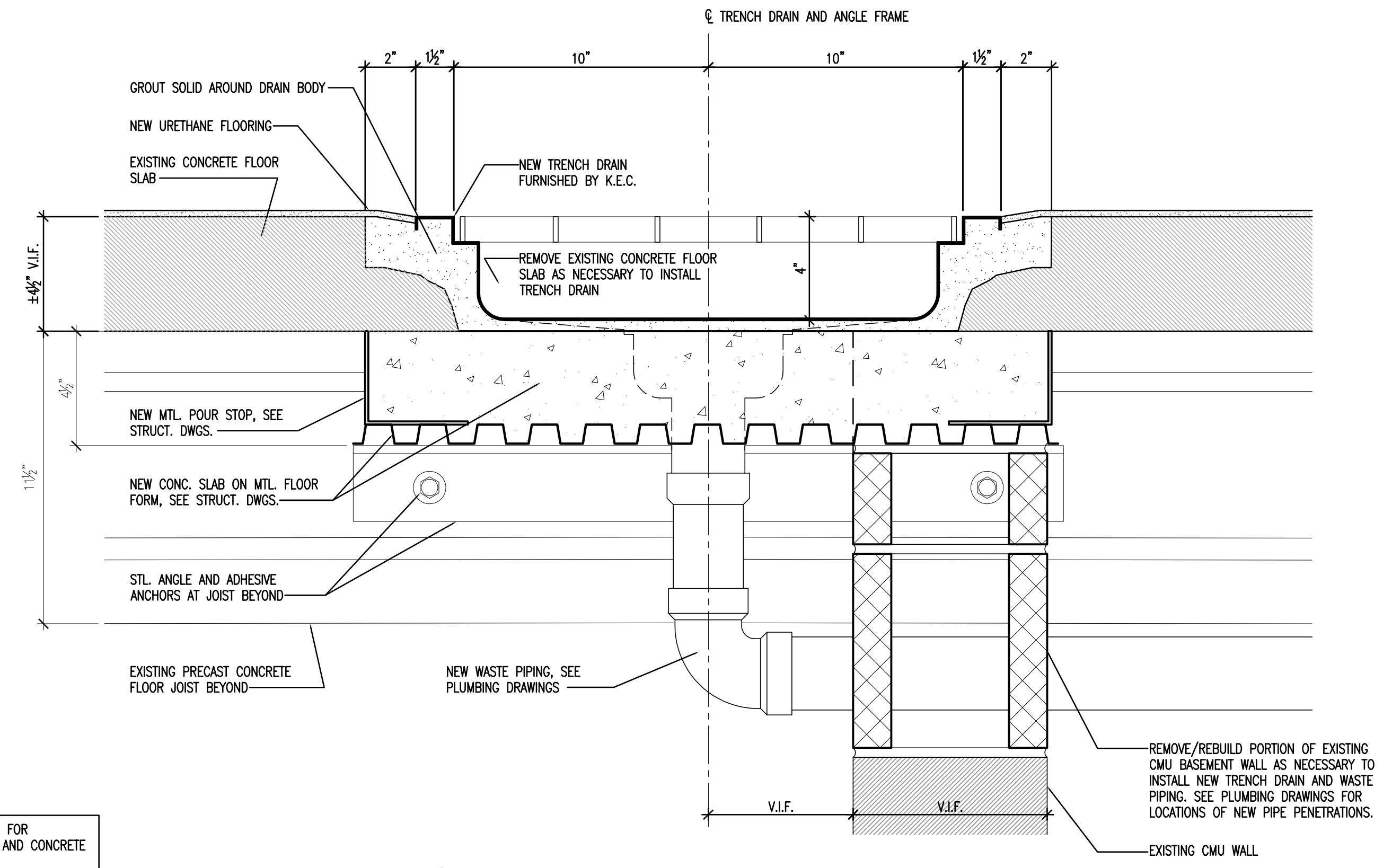
Drawing Number

A-621



A TRENCH DRAIN - SECTION PERPENDICULAR TO JOISTS
3" = 1'-0"

NOTE: REFER TO S-001 FOR STRUCTURAL, MASONRY, AND CONCRETE REQUIREMENTS.



B TRENCH DRAIN - SECTION PARALLEL TO JOISTS
3" = 1'-0"

Kitchen Code Violation Project

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GL-2019-19

Project Team

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Structural Engineer



Civil Engineer



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Drawing Information

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Job Number 146.01.002

Scale AS NOTED

Drawn RK

Checked GE

Drawing Name

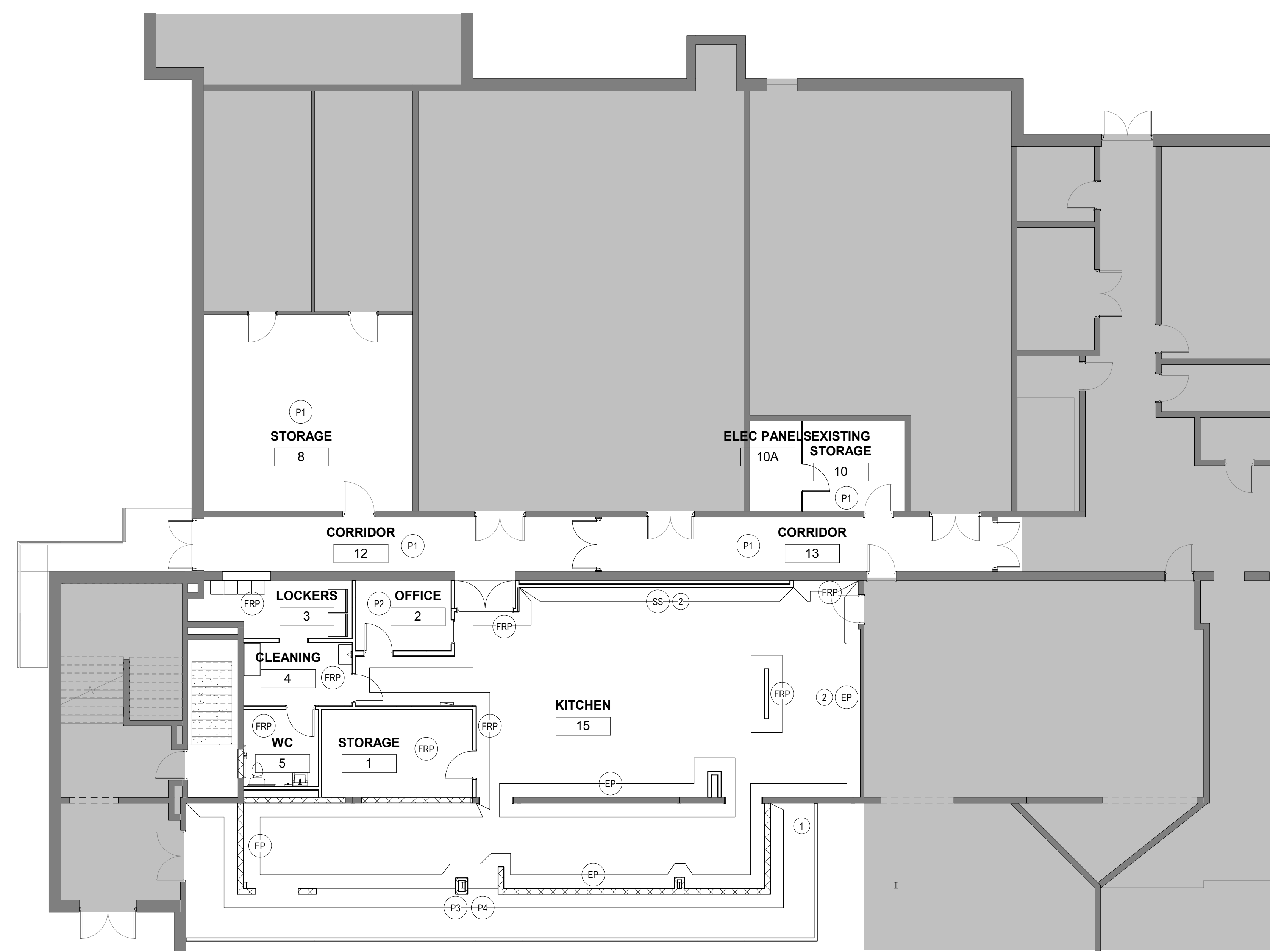
MISCELLANEOUS DETAILS

Drawing Number

A-622



1 FIRST FLOOR WALL FINISH PLAN
1/8" = 1'-0"



WALL FINISH PLAN NOTES

- CONTRACTOR SHALL REVIEW FIELD CONDITIONS AND NOTIFY DESIGNER, VERBALLY AND IN WRITING, OF ALL DISCREPANCIES BEFORE PROCEEDING.
- ALL PAINT TO HAVE EITHER ZERO OR LOW V.O.C.
- PROVIDE AND APPLY PRIMER AND MINIMUM OF TWO (2) COATS OF ACRYLIC LATEX EGGSHELL WALL PAINT, UNLESS NOTED OTHERWISE. FINISHED SURFACES SHALL BE FREE FROM RUNS, DROPS, RIDGES, WAVES, LAPS, BRUSH MARKS, AND VARIATIONS IN COLOR, TEXTURE, AND FINISH. THE HIDING SHALL BE COMPLETE AND EACH COAT SHALL BE APPLIED TO PRODUCE A FILM OF UNIFORM THICKNESS.
- PATCH, PREP & PAINT ALL EXISTING GWB WALLS WHERE DISTURBED BY DEMOLITION.
- IN PATCHED AREAS, MAKE SURE FINISHES BLEND WITH EXISTING BUILT OUT SPACE AND DO NOT SHOW SEAMING, BUMPS, DIFFERENCE IN COLOR AND TEXTURE. WIDEN THE PATCHING AREA IF NEEDED IN ORDER TO COVER IMPERFECTIONS OR BLEND COLORS.
- INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
- ALL EXCESS MATERIALS TO BE RETURNED TO OWNER.
- ALL PAINT TO BE P-1 UNLESS NOTED OTHERWISE.

WALL FINISH PLAN SCHEDULE

BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR EQUAL MANUFACTURERS/PRODUCTS.

PAINT & SPECIALTY COATINGS

- P1**
MANUF.: SHERWIN WILLIAMS
COLOR: HIGH REFLECTIVE WHITE SW 7757
FINISH: EGGSHELL LATEX
LOCATION: GENERAL PAINT
- P2**
MANUF.: SHERWIN WILLIAMS
COLOR: UNCERTAIN GRAY SW 6234
FINISH: EGGSHELL LATEX
LOCATION: ACCENT WALLS
- P3**
MANUF.: SHERWIN WILLIAMS
COLOR: DIGNITY BLUE SW 6804
FINISH: EGGSHELL LATEX
LOCATION: ACCENT WALLS IN CAFETERIA
- P4**
MANUF.: SHERWIN WILLIAMS
COLOR: DANUBE SW 6803
FINISH: EGGSHELL LATEX
LOCATION: ACCENT WALLS IN CAFETERIA
- P5**
MANUF.: SHERWIN WILLIAMS
COLOR: ENDLESS SEA SW 9150
FINISH: SEMI-GLOSS ENAMEL
LOCATION: DOORS & FRAMES
- EP**
MANUF.: STONHARD
PRODUCT: STONGLAZE VSR
COLOR: ASH GRAY
LOCATION: KITCHEN

FIBER REINFORCED PANEL

- FRP**
MANUFACTURER: CRANE COMPOSITES
STYLE: GLASSBOARD WALL PANEL
COLOR: 85 SMOOTH WHITE
LOCATION: AS NOTED

WALL FINISH PLAN LEGEND

- AREA NOT IN CONTRACT
- FINISH MATERIAL

FINISH PLAN KEYNOTES

- PATCH AND MATCH EXISTING FINISHES WHERE DISTURBED BY NEW WORK, INCLUDING BUT NOT LIMITED TO WALL BASE, WALL FINISH, FLOOR FINISH AND CEILING MATERIAL.
- FINISH INDICATED FOR WALL AREA ABOVE ROLL-THROUGH OPENING.



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GL-2019-19
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Revisions

Issue Record

Seal

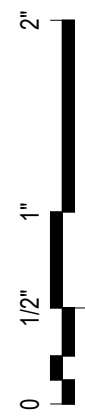
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/8" = 1'-0"
Drawn	AO
Checked	KS
Drawing Name	

FIRST FLOOR - WALL FINISH PLAN

Drawing Number

A-901



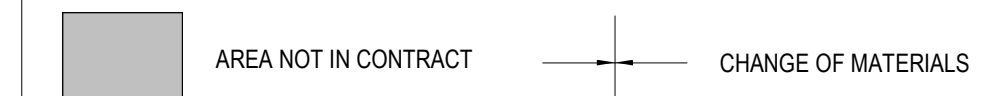
1 FIRST FLOOR FLOOR FINISH PLAN
1/8" = 1'-0"



FLOOR FINISH PLAN NOTES

- CONTRACTOR SHALL REVIEW FIELD CONDITIONS AND NOTIFY DESIGNER, VERBALLY AND IN WRITING, OF ALL DISCREPANCIES BEFORE PROCEEDING.
- IN PATCHED AREAS, MAKE SURE FINISHES BLEND WITH EXISTING BUILT OUT SPACE AND DO NOT SHOW SEAMING, BUMPS, DIFFERENCE IN COLOR AND TEXTURE. WIDEN THE PATCHING AREA IF NEEDED IN ORDER TO COVER IMPERFECTIONS OR BLEND COLORS.
- ALL SURFACES TO RECEIVE FLOOR COVERING SHALL BE SMOOTH, EVEN, AND FREE OF DEFECTS. SURFACES NOT MEETING SUBSTRATE CONDITIONS REQUIRED BY FLOORING MANUFACTURER SHALL BE REPAIRED. TO MEET FLOORING MANUFACTURER'S REQUIREMENTS.
- FLOORING FINISHES TO BE INSTALLED UNDER EQUIPMENT.
- INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
- ALL EXCESS MATERIALS TO BE RETURNED TO OWNER.
- FLOOR FINISH PATTERNS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO SUBMIT SEAMING AND INSTALLATION PATTERN PLANS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

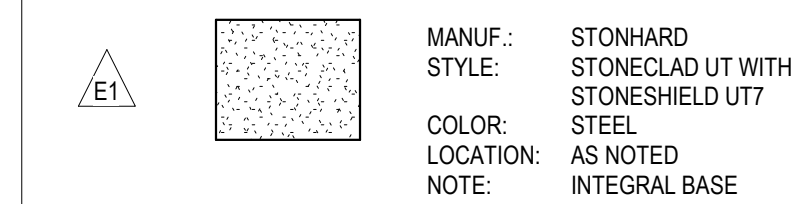
FLOOR FINISH PLAN LEGEND



FLOOR FINISH PLAN SCHEDULE

BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR EQUAL MANUFACTURERS/PRODUCTS.

URETHANE FLOORING



RESILIENT FLOORING



FLOOR TRANSITIONS

- FT1**: NOTE: REFER TO 3A ON SHEET A-621 FOR DETAILS. LOCATION: URETHANE TO VCT TRANSITIONS.
- FT2**: NOTE: REFER TO 3B ON SHEET A-621 FOR DETAILS. LOCATION: QUARRY TILE TO URETHANE TRANSITION AT DOOR.
- FT3**: NOTE: REFER TO 3C ON SHEET A-621 FOR DETAILS. LOCATION: QUARRY TILE TO URETHANE TRANSITION.

WALL BASE

- B1**: MANUFACTURER: JOHNSONITE. COLOR: 18 NAVY BLUE. SIZE: 4" COVE. LOCATION: AS NOTED.
- B2**: MANUFACTURER: JOHNSONITE. COLOR: 18 NAVY BLUE. SIZE: 6" COVE. LOCATION: AS NOTED.

FINISH PLAN KEYNOTES

- PATCH FLOOR AND MATCH EXISTING FINISHES WHERE DISTURBED BY NEW WORK, INCLUDING BUT NOT LIMITED TO WALL BASE, WALL FINISH, FLOOR FINISH AND CEILING MATERIAL.
- PROVIDE CONCRETE SEALER AS FLOOR FINISH ON EXISTING CONCRETE FLOOR.
- TEMPORARY PARTITION DURING CONSTRUCTION.
- PATCH NEW FLOOR TILE INTO EXISTING AS REQUIRED WHERE TILE HAS BEEN REMOVED FOR ABATEMENT. MATCH EXISTING FLOOR TILE.

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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/8" = 1'-0"
Drawn	AO
Checked	KS
Drawing Name	

FIRST FLOOR - FLOOR FINISH PLAN

Drawing Number

A-902

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SCHEDULE OF FOODSERVICE EQUIPMENT & CONNECTIONS

ITEM	QTY	DESCRIPTION	PLUMBING	ELECTRICAL	MECHANICAL / EQUIPMENT REMARKS
1	1	MOP SINK (BY PC)	1/2" H&CW; DRAIN IN FLOOR		PC TO PROVIDE FAUCET WITH HOSE BIBB
2	1	UTILITY SHELF			REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
3	1	DETERGENT STORAGE CABINET			REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
4	1	WASHING MACHINE	1/2" H&CW; STANDPIPE W	15 A - 120/1 - C&P	
5	1	FRONT LOAD DRYER		30 A CIRCUIT - 120/240/1 (HEAT) ; 20 A - 120/1 - C&P (CONTROLS)	220 CFM EXH THRU A 4" DIA. COLLAR
6	4	LOCKERS (BY GC)			REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
7	28	DRY STORAGE SHELVE			SIZED AS SHOWN ON PLANS
8	15	DUNNAGE RACK			SIZED AS SHOWN ON PLANS
9	1	TIME CLOCK (BY OWNER)		20 A CIRCUIT - 120/1	GC TO VERIFY POWER REQUIREMENTS WITH OWNER
10	-	SPARE NUMBER			
11	1	EXISTING WORK TABLE			
12	1	EXISTING WORK TABLE			
13	1	EXISTING CUTTER, FOOD		1 HP - 120/1 - C&P (FROM ITEM 20)	
14	1	PREP TABLE WITH SINKS	1/2" H&CW; 2" IW TO FS	(2) 20 A CIRCUIT - 120/1 TABLE MOUNTED CONVENIENCE OUTLET BY KEC 20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC	
15	5	TRASH CONTAINER (BY OWNER)			
16	4	WALL MOUNTED HANDSINK	1/2" H&CW; 1-1/2" W		REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
17	5	TRASH BIN (BY OWNER)			
18	1	EXISTING WORK TABLE		20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC	
19	3	PAN RACK			
20	1	COOK'S TABLE WITH SINK & OVERSHELF	1/2" H&CW; 2" IW TO FS	(4) 20 A CIRCUIT - 120/1 TABLE MOUNTED CONVENIENCE OUTLET BY KEC	
21	1	CAN OPENER			
22	2	CEILING MOUNTED UTENSIL RACK			KEC TO COORDINATE CEILING MOUNTING METHOD WITH GC
23	-	SPARE NUMBER			
24	2	FORTY GALLON FLOOR KETTLE	1/2" G @ 100 MBTU; 1/2" H&CW (FROM ITEM 34)	5 A - 120/1 (POWER FROM DR AT ITEM 34)	
25	2	FLOOR TROUGH W/ ADA GRATE	3" W CONN 7" BFF		REQUIRES FLOOR RECESS BY GC (SEE SPECIAL CONDITIONS PLAN)
26	1	PRESSURE STEAMER	3/4" G @ 220 MBTU (FROM ITEM 34) 1/4" CW; 1-1/2" IW TO FS (FROM ITEM 34)	25 WATTS - 120/1 PER COMPARTMENT (POWER FROM ITEM 34) 50 WATTS - 120/1 FOR STEAM GENERATOR CONTROL (POWER FROM ITEM 34)	
27	1	FILTER SYSTEM, STEAMER	3/4" CW (FROM ITEM 34)		
28	1	SIX BURNER RANGE WITH OVEN	3/4" G @ 194 MBTU; QD (FROM ITEM 34)	0.1 A - 120/1 - C&P (POWER FROM DR AT ITEM 34)	
29	3	DOUBLE CONVECTION OVEN	3/4" G @ 100 MBTU; QD (FROM ITEM 34)	(2) 8 A - 120/1 - C&P (POWER FROM DR AT ITEM 34)	
30	1	EXHAUST VENTILATOR		POWER TO LIGHTS FROM ITEM 37	3408 CFM EXH THRU (2) 14" DIA. COLLARS @ -0.695 SP
31	1	MAKE-UP AIR PLENUM			2,450 CFM SUP THRU (3) 28" x 12" COLLARS @ 0.214 SP
32	1	EXHAUST VENTILATOR		POWER TO LIGHTS FROM ITEM 37	2,500 CFM EXH THRU (2) 12" DIA. COLLARS @ -0.548 SP
33	1	MAKE-UP AIR PLENUM			2,250 CFM SUP THRU (3) 24" x 12" COLLARS @ 0.212 SP
34	1	UTILITY DISTRIBUTION SYSTEM	2" G @ 1,175 MBTU; 3/4" H&CW	50 A CIRCUIT - 120/208/3; 15 A CIRCUIT (DCV); 15 A CIRCUIT (LIGHTS)	
35	1	STAINLESS STEEL WALL FLASHING			
36	1	FIRE SUPPRESSION SYSTEM		120/1 - J-BOX FOR CONNECTION TO BUILDING ALARM SYSTEM & EQUIPMENT SHUT DOWN	
37	1	DCV CONTROL PANEL		20 A CIRCUIT - 120/1	
38A	1	TWO-DOOR ROLL-THRU HEATED CABINET		15.5 A - 208/1	
38B	1	ONE DOOR ROLL-THRU REFRIGERATOR		11.6 A - 120/1 - C&P	
38C	1	TWO DOOR ROLL-THRU REFRIGERATOR		13.4 A - 120/1 - C&P	
38D	1	ONE DOOR ROLL-THRU HEATED CABINET		7.8 A - 208/1	
39	1	BEVERAGE TABLE		20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC	
40	1	COFFEE MAKER, AUTOMATIC (BY VENDOR)	1/4" CW (from item 40a)	15 A - 120/1 - C&P (POWER FROM CONVENIENCE OUTLET)	
41	1	ADA HANDSINK	1/2" H&CW; 1-1/2" W		REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
42	1	REACH-IN FREEZER		14.9 A - 120/1 - C&P	
43	2	REACH-IN REFRIGERATOR		10.4 A - 120/1 - C&P	
44	1	ADA PREP TABLE W/ SINK	1/2" H&CW; 2" IW TO FS	20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC	
45	1	PREP TABLE WITH SINK	1/2" H&CW; 2" IW TO FS	(2) 20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLETS BY EC	
46	1	WALL SHELF			REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
47	1	EXISTING FOOD SLICER		5.4 A - 120/1 - C&P (POWER FROM ITEM 45)	
48	1	EYE WASH STATION	1/2" CW; 1/2" W		REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
49	1	HUMIDIFIED HOT HOLDING CABINET		13.8 A - 120/1 - C&P	
50	1	DRY STORAGE SHELF			
51	-	SPARE NUMBER			
52	1	MILK COOLER		7.5 A - 120/1 - C&P	
53	1	SERVING COUNTER		(2) 20 A CIRCUIT - 120/1 APRON MOUNTED CONVENIENCE OUTLETS BY KEC	KEC RESPONSIBLE FOR COORDINATION OF PASS TROUGH DETAIL BETWEEN GC AND COUNTER FABRICATOR
54	1	DROP-IN HEATED SHELF		8.3 A - 120/1 - C&P	
55	1	SELF-SERVICE SNEEZEGUARD			
56	1	HEAT LAMP		950 WATTS - 208/1	
57	1	DROP-IN FROST TOP	1" IW TO FS	6.7A - 120/1 - C&P	
58	1	SANDWICH PREP REFRIGERATOR		10.3 A - 120/1 - C&P	
59	1	FULL-SERVICE SNEEZEGUARD			
60	1	POS TERMINAL		20 A CIRCUIT - 120/1 - C&P; PROVIDE DATA	
61	1	EXISTING WORK TABLE		20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC	
62	1	ICE MAKER W/ BIN	3/8" CW; 3/4" & 1/2" IW TO FS	5.5 A - 208/1	5,400 BTU PER HOUR HEAT REJECTION
63	1	FILTER SYSTEM, ICEMAKER	3/8" CW		REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
64	3	UTILITY CART			
65	1	HOSE REEL ASSEMBLY	3/4" H&CW		REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
66	1	SOILED DISHTABLE & THREE COMPARTMENT SINK	3/4" H&CW; (3) 2" IW TO FS		
67	1	WALL SHELF			REQUIRES WALL BLOCKING BY GC (SEE SPECIAL CONDITIONS PLAN)
68	1	VENTLESS WAREWASHER	1/2" H&CW; 1-1/2" IW TO FS	23.7 A - 480/3	13,000 BTU PER HOUR LATENT HEAT; PROVIDE 110° HOT WATER
69	1	CLEAN DISHTABLE			
70	5	MOBILE POT & PAN STORAGE SHELF			
71	-	SPARE NUMBER			
72	-	SPARE NUMBER			
73	-	SPARE NUMBER			

NOTE: Verify all electrical loads and voltage availability with final equipment selection

NOTE FOR SCGM STAFF:
All kitchen equipment, except those items noted as code required, is not in project scope. Estimated construction costs will not include FF&E. Only items noted will be included in the contractor's cost.

Abbreviations used:					
A	Amperes	EXH	Exhaust	IW	Indirect waste
AFF	Above finished floor	FD	Floor drain	KEC	Kitchen Equip. Contractor
BFF	Below finished floor	FFD	Funnel floor drain	KW	Kilowatt
BTC	Branch to connection	FHW	Fahrenheit hot water	MBTU	BTU per hour/1000
C&P	Cord & plug provided	FS	Floor sink	MUA	Make-up air
CFM	Cubic feet per minute	G	Gas	PC	Plumbing Contractor
CR	Condensate return	GC	General Contractor	QD	Quick disconnect
CW	Cold water	GI	Grease interceptor	SP	Static pressure (WG)
DFA	Drop from above	HP	Horsepower	SR	Single receptacle
DR	Duplex receptacle	HW	Hot water	SS	Steam supply
EC	Electrical contractor	H&CW	Hot & cold water	W	Waste (direct connection)

- SCHEDULE NOTES**
- UTILITIES SHOWN IN THESE SCHEDULES ARE SPECIFIC TO THE PRIME MANUFACTURER PROVIDED IN WRITTEN SPECIFICATION SECTION 114000. IF EQUIPMENT FROM AN ALTERNATE MANUFACTURER IS PROVIDED, IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE AND SUBMIT TO THE PROJECT DESIGN TEAM FOR REVIEW.
 - UTILITIES LISTED ON THIS SCHEDULE FOR OWNER FURNISHED OR VENDOR SUPPLIED EQUIPMENT ARE ESTIMATES ASSUMED FOR ENGINEERING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE EQUIPMENT CUTSHEETS OF THIS EQUIPMENT TO CRABTREE-MCGRATH ASSOCIATES PRIOR TO CONSTRUCTION.
 - INSTALLING SUB-CONTRACTORS MUST NOTIFY CRABTREE-MCGRATH ASSOCIATES IF A UTILITY REQUIREMENT LISTED ON THIS EQUIPMENT SCHEDULE IS NOT AVAILABLE.
 - REFER TO THE ABBREVIATIONS NOTES PROVIDED ON THIS SHEET FOR CLARIFICATION OF ABBREVIATIONS USED WITHIN THIS EQUIPMENT SCHEDULE.



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV
Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19

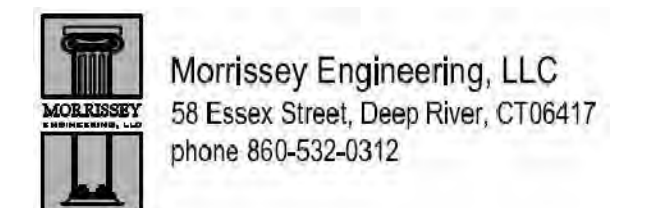
Project Team
Equipment Engineer



MEP Engineer



Structural Engineer



Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

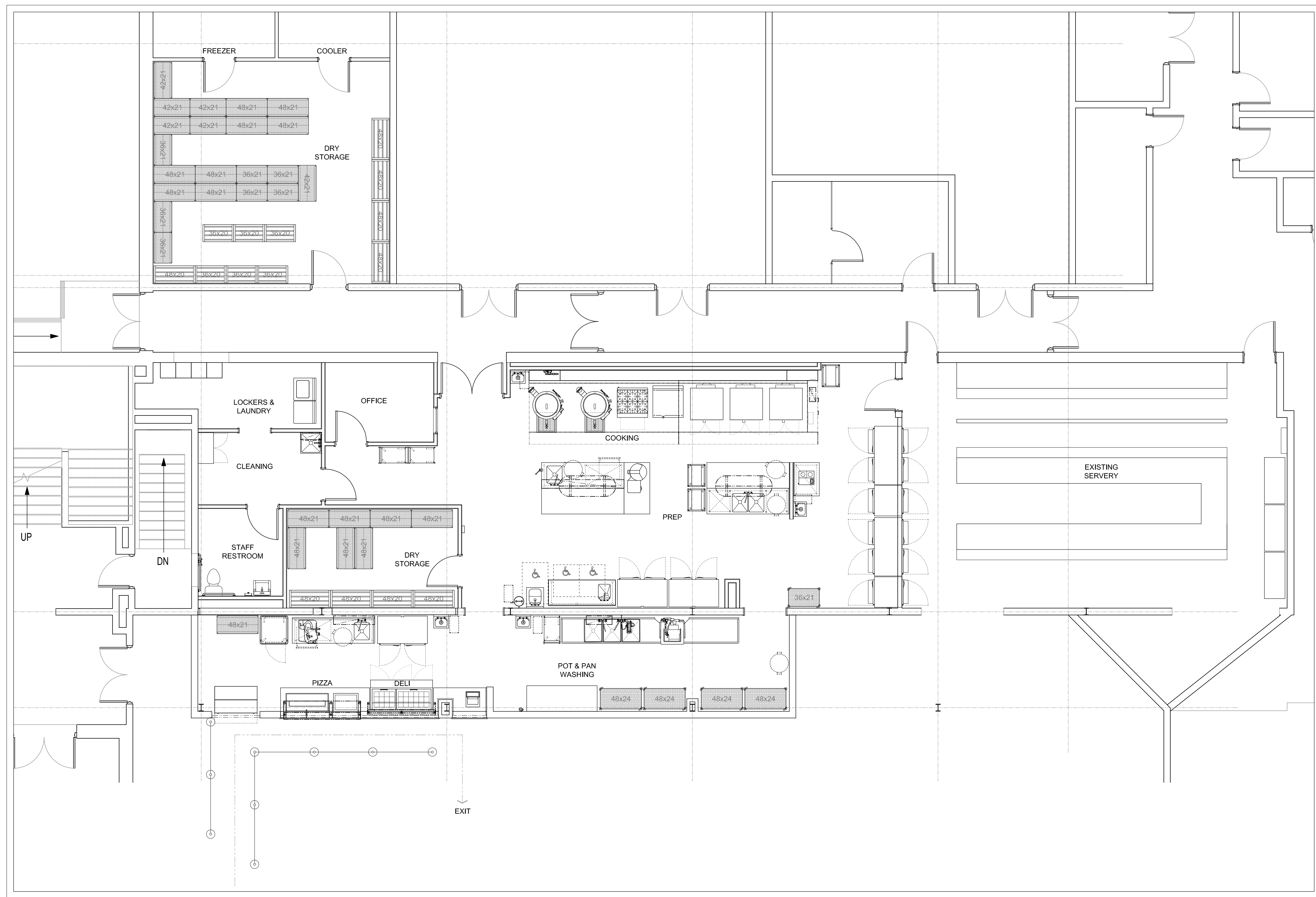
Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
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Drawn	AC
Checked	TMcd
Drawing Name	

FOODSERVICE EQUIPMENT SCHEDULE

Drawing Number

FS-100

0 1' 2 1/2"



FOODSERVICE EQUIPMENT - OVERALL PLAN

Scale: 3/16" = 1'-0"

- PLAN NOTES**
- 1) IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO FIELD VERIFY THE DELIVERY PATH OF ALL EQUIPMENT WITHIN THEIR SCOPE WITH BUILDING CONDITIONS PRIOR TO ORDERING TO CONFIRM ALL EQUIPMENT FITS WITHIN THE DESIGNATED SPACE AS LOCATED ON PLANS.
 - 2) KITCHEN EQUIPMENT CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS NECESSARY FOR OPENINGS IN BUILDING WALL LEAVE OUTS, DOOR WIDTHS AND HEADER HEIGHTS REQUIRED FOR DELIVERY AND INSTALLATION MEANS.
 - 3) FINISHES TO ALL WALLS, FLOORS AND CEILINGS ARE TO BE PROVIDED BY THE GENERAL CONTRACTOR AS SPECIFIED BY THE PROJECT ARCHITECT TO MEET THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
 - 4) REVISIONS TO THESE PLANS DUE TO FIELD CONDITIONS MUST BE SUBMITTED TO THE PROJECT DESIGN TEAM FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - 5) FLOORING MATERIAL SPECIFIED BY THE ARCHITECT MUST BE PROVIDED WITH A COVED BASE AT ALL WALLS.
 - 6) ALL FOOD SERVICE EQUIPMENT AND CUSTOM FABRICATED ITEMS MUST MEET THE STANDARDS OF THE NATIONAL SANITATION FOUNDATION AND SHALL BE LABELED ACCORDINGLY.

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

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GL-2019-19

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Drawing Information	
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Checked	TMcD
	Drawing Name

FOODSERVICE EQUIPMENT OVERALL PLAN

Drawing Number

FS-101

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

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GL-2019-19

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Drawing Information

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Job Number GL-2019-19

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Drawn AC

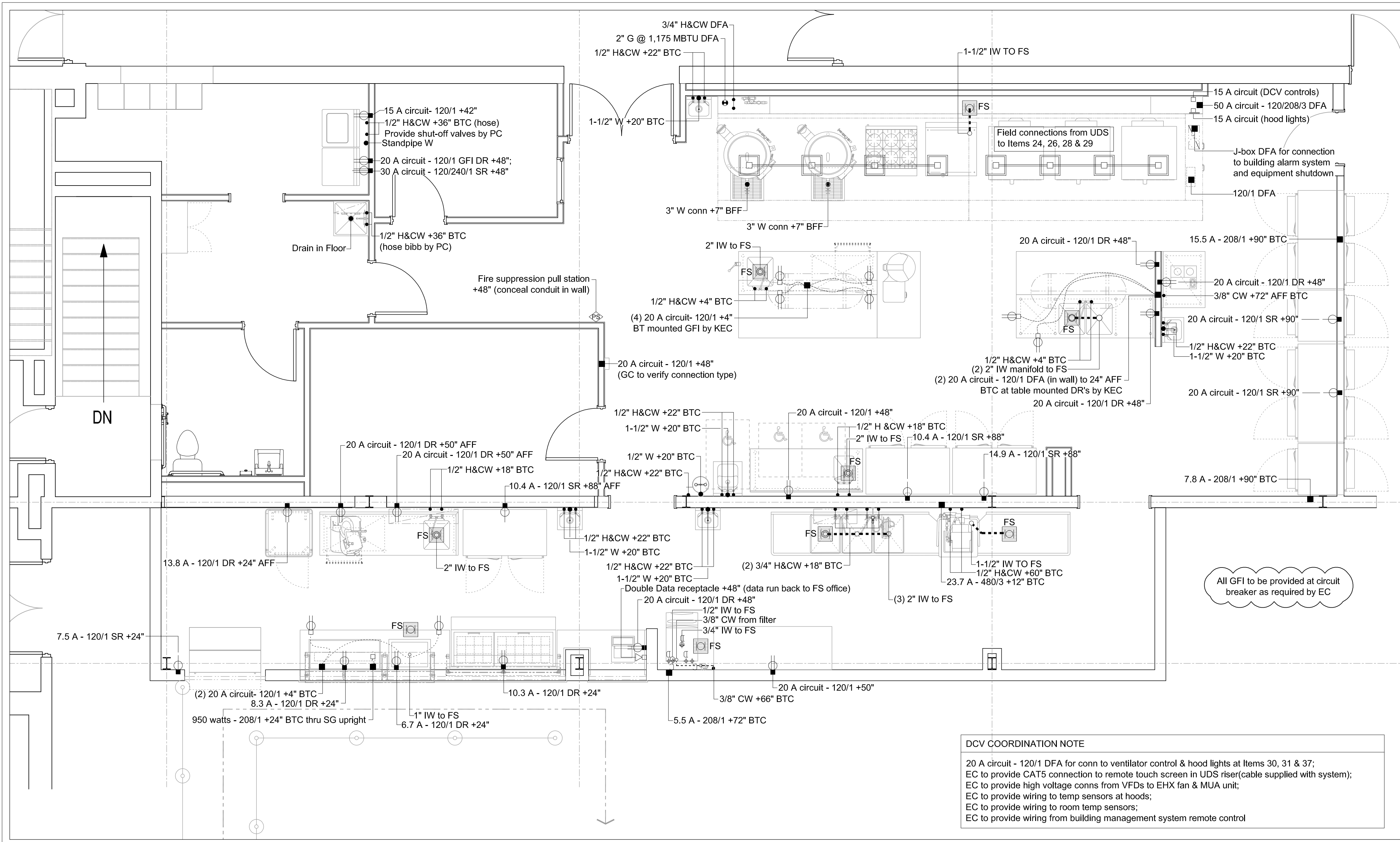
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Drawing Name

**FOODSERVICE EQUIPMENT
ROUGHING-IN PLAN**

Drawing Number

FS-103



Abbreviations used:

A	Amperes	EXH	Exhaust	IW	Indirect waste
AFF	Above finished floor	FD	Floor drain	KEC	Kitchen Equip. Contractor
BFF	Below finished floor	FFD	Funnel floor drain	KW	Kilowatt
BTC	Branch to connection	FHW	Fahrenheit hot water	MBTU	BTU per hour/1000
C&P	Cord & plug provided	FS	Floor sink	MUA	Make-up air
CFM	Cubic feet per minute	G	Gas	PC	Plumbing Contractor
CR	Condensate return	GC	General Contractor	QD	Quick disconnect
CW	Cold water	GI	Grease interceptor	SP	Static pressure (WG)
DFA	Drop from above	HP	Horsepower	SR	Single receptacle
DR	Duplex receptacle	HW	Hot water	SS	Steam supply
EC	Electrical contractor	H&CW	Hot & cold water	W	Waste (direct connection)

PLUMBING NOTES

- DIMENSIONS ON THIS PLAN ARE PROVIDED FOR DESIGN INTENT. IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND HEIGHTS LISTED IN THE FIELD WITH THE EQUIPMENT BEING PROVIDED.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT THAT REQUIRE A BRANCH TO CONNECTION (BTC), OR WHERE PLUMBING INTERCONNECTION IS INDICATED ON THE PLAN WITH A DASHED LINE.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL MANUFACTURER'S SHOP DRAWINGS SUBMITTED TO CONFIRM SCOPE REQUIREMENTS AND INSTALLATION EXPECTATIONS.
- ALL FLOOR SINKS MUST BE STAINLESS STEEL CONSTRUCTION AND ARE TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR. AREA DRAINS ARE LOCATED ON THESE PLANS IN RECOMMENDED AREAS. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO CONFIRM QUANTITIES AND LOCATIONS WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- FLOOR SINKS LOCATED UNDER COUNTERS WITH LIMITED ACCESSIBILITY MUST BE INSTALLED 50% EXPOSED AND EASILY ACCESSIBLE FOR CLEANING. IF THE FLOOR SINK CAN NOT BE INSTALLED 50% EXPOSED, THE UNDER SHELF OF THE CABINET MUST BE FULLY REMOVABLE.
- CONDENSATE DRAIN LINES FROM WALK-IN COOLER EVAPORATOR COILS SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. DRAIN LINES MUST BE COPPER AND INSTALLED 1" OFF THE WALLS WITH A MINIMUM PITCH OF 1/2" PER FOOT. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A COPPER UNION WITHIN 24" OF THE CONNECTION TO THE EVAPORATOR COIL. FOR INSTALLATION DRAIN LINES IN A FREEZER, DRAIN SHALL EXIT THE FREEZER AT THE EARLIEST DISTANCE POSSIBLE. DRAIN PENETRATIONS THROUGH THE WALK-IN COOLER WALL PANEL MUST BE APPROPRIATELY SEALED TO INCLUDE A VAPOR SEAL AND PROVIDED WITH CHROME ESCUTCHEON PLATES AT ALL EXPOSED POINTS WHERE PIPING PENETRATES THE WALL. DRAINS MUST BE "P" TRAPPED OUTSIDE OF THE COOLER WALLS AND TERMINATED 1" ABOVE THE FLOOR SINK.
- PLUMBING CONTRACTOR TO INSTALL UTILITIES CONCEALED IN WALLS AND STUB-OUT AT TERMINATION POINTS.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL DRAINS, FAUCETS, PIPING TRAPS, VALVES, SHUT-OFFS, GAUGES, WATER PRESSURE REDUCERS, REGULATORS AND BACKFLOW PREVENTION ETC. AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
- IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FLUSH ALL WATER LINES PRIOR TO FINAL CONNECTION TO FOOD SERVICE EQUIPMENT.
- A MAIN SHUT-OFF GAS VALVE MUST BE INSTALLED BY THE PLUMBING CONTRACTOR LOCATED TO MEET THE REQUIREMENTS OF THE PLUMBING CODE.
- GAS SUPPLY TO ALL COOKING EQUIPMENT MUST BE PROVIDED WITH AN ELECTRIC OR MECHANICAL SHUT-OFF VALVE. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH THE VALVE AND INSTALLATION PERFORMED BY THE PLUMBING CONTRACTOR. VALVE SHALL BE TIED INTO THE FIRE PROTECTION SYSTEM FOR AUTOMATIC SHUT-OFF.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR LOCATION OF GREASE TRAPS AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION. GREASE TRAPS MUST BE LOCATED IN A MANNER THAT DOES NOT INTERFERE WITH FOODSERVICE EQUIPMENT LAYOUT.

ELECTRICAL NOTES

- DIMENSIONS ON THIS PLAN ARE PROVIDED FOR DESIGN INTENT. IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND HEIGHTS LISTED IN THE FIELD WITH THE EQUIPMENT BEING PROVIDED.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT THAT REQUIRE A BRANCH TO CONNECTION (BTC), OR WHERE INTER-WIRING IS INDICATED ON THE PLAN IN A DASHED LINE.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL MANUFACTURER'S SHOP DRAWINGS SUBMITTED TO CONFIRM SCOPE REQUIREMENTS AND EXPECTATIONS.
- ELECTRICAL PANELS PROVIDED SHALL BE DESIGNED WITH A MINIMUM OF 20% SPARE CAPACITY FOR FUTURE EXPANSION UNLESS OTHERWISE APPROVED BY THE OWNER.
- ELECTRICAL CONTRACTOR TO PROVIDE DROP CORDS AS LOCATED ON PLANS WITH THE CORD ADJUSTED TO HANG 78" ABOVE FINISH FLOOR. PLASTIC WIRE TIES ARE NOT ACCEPTABLE FOR THIS WORK. DROP CORDS MUST BE PROVIDED WITH STRAIN RELIEF, GFCI CIRCUIT BREAKER AND FIXTURE SUPPLIED REQUIRES APPROVAL BY THE SOUTHERN NEVADA HEALTH DISTRICT.
- ELECTRICAL CONNECTIONS ON THIS PLAN ARE PROVIDED AS IT RELATES SPECIFICALLY TO FOOD SERVICE EQUIPMENT. CONVENIENCE OUTLETS ARE PROVIDED IN SPECIFIC LOCATIONS AS REQUESTED BY OWNER. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ANY OTHER ELECTRICAL OUTLETS AS REQUIRED TO MEET CODE REQUIREMENTS BY LOCAL AUTHORITY HAVING JURISDICTION.
- WALK-IN COOLER LIGHT FIXTURES ARE TO BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. LIGHTS ARE TO BE MOUNTED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO CONFIRM WITH THE WALK-IN COOLER MANUFACTURER THAT THE QUANTITY AND LOCATIONS OF THE LIGHTING LAYOUT WILL MEET 20 FOOT CANDLES OF LIGHT AT A DISTANCE OF 30" ABOVE FINISH FLOOR AS REQUIRED IN WALK-IN COOLERS BY THE NATIONAL FOOD CODE.
- DRAIN PIPING WITHIN A WALK-IN FREEZER SHALL BE PROVIDED WITH A DRAIN LINE HEATER AND INSULATION. FINAL CONNECTION OF THE DRAIN LINE HEATER PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO INSTALL UTILITIES CONCEALED IN WALLS AND STUB-OUT AT TERMINATION POINTS.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WIRING BETWEEN EXHAUST VENTILATORS, FAN SYSTEMS, CONTROL PANELS, MAGNETIC STARTERS, FIRE SUPPRESSION SYSTEMS, PULL STATIONS AND SWITCHES.
- CONTROL AND POWER WIRING BETWEEN CONTROL PANELS AND GARBAGE DISPOSALS, WASTE PULPERS, TROUGH COLLECTORS ETC. ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL POWER TO ANY COOKING EQUIPMENT MUST BE PROVIDED THROUGH A SHUNT TRIP SYSTEM.
- FOOD PREPARATION AREAS MUST BE PROVIDED WITH 50 FOOT CANDLES OF LIGHTING.
- ELECTRICAL CONTRACTOR MUST VERIFY REMOTE FIRE SUPPRESSION PULL STATION LOCATIONS WITH THE LOCAL FIRE INSPECTOR PRIOR TO INSTALLATION.

DCV COORDINATION NOTE
20 A circuit - 120/1 DFA for conn to ventilator control & hood lights at Items 30, 31 & 37;
EC to provide CAT5 connection to remote touch screen in UDS riser(cable supplied with system);
EC to provide high voltage conns from VFDs to EXH fan & MUA unit;
EC to provide wiring to temp sensors at hoods;
EC to provide wiring to room temp sensors;
EC to provide wiring from building management system remote control

FOODSERVICE ROUGHING-IN PLAN

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

PLUMBING LEGEND		ELECTRICAL LEGEND	
•	HOT WATER OR COLD WATER	⊖	WALL MOUNTED DUPLEX RECEPTACLE
●	WASTE - DIRECT CONNECTED	⊖	WALL MOUNTED SIMPLEX RECEPTACLE
○	WASTE - INDIRECT	⊖	WALL MOUNTED SPECIAL PURPOSE RECEPTACLE
⊙	GAS	⊖	TABLE MOUNTED DUPLEX RECEPTACLE
⊙	AREA DRAIN (VERIFY LOCATION)	⊖	TABLE MOUNTED SIMPLEX RECEPTACLE
⊖	FLOOR DRAIN	⊖	TABLE MOUNTED SPECIAL PURPOSE RECEPTACLE
⊖	FUNNEL FLOOR DRAIN	⊖	FLOOR RECEPTACLE
⊖	FLOOR SINK	⊖	JUNCTION BOX
○	WATER CONNECTION	⊖	FIELD CONNECTION
---	FIELD PLUMBING (DRAIN)	⊖	SWITCH
---	FIELD PLUMBING (WATER)	⊖	LIGHT FIXTURE
		⊖	DROP DOWN POWER
		⊖	FIRE PULL STATION
		⊖	DATA CONNECTION
		⊖	FIELD WIRING

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer



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Revisions

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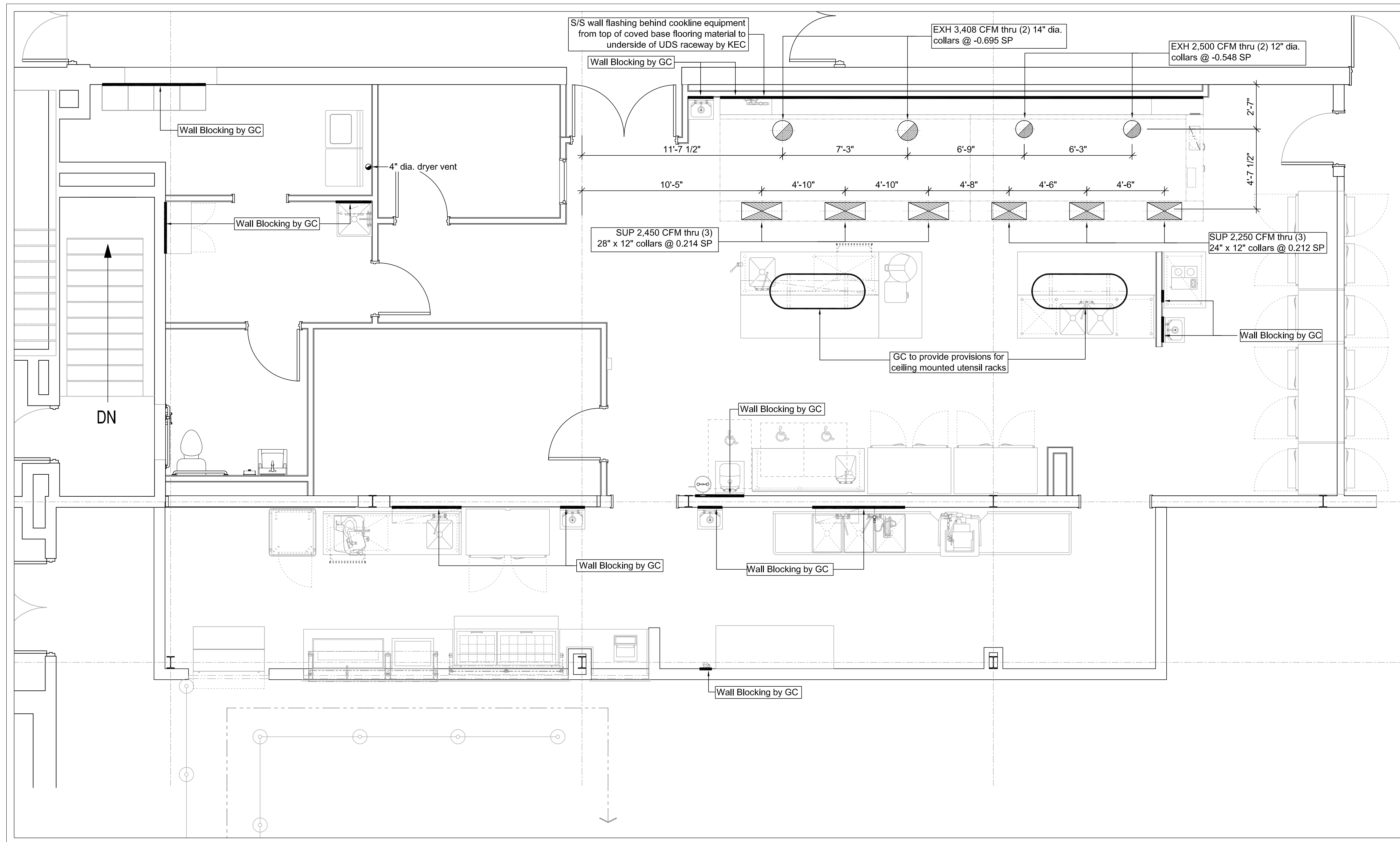
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**FOODSERVICE EQUIPMENT
SPECIAL CONDITIONS PLAN**

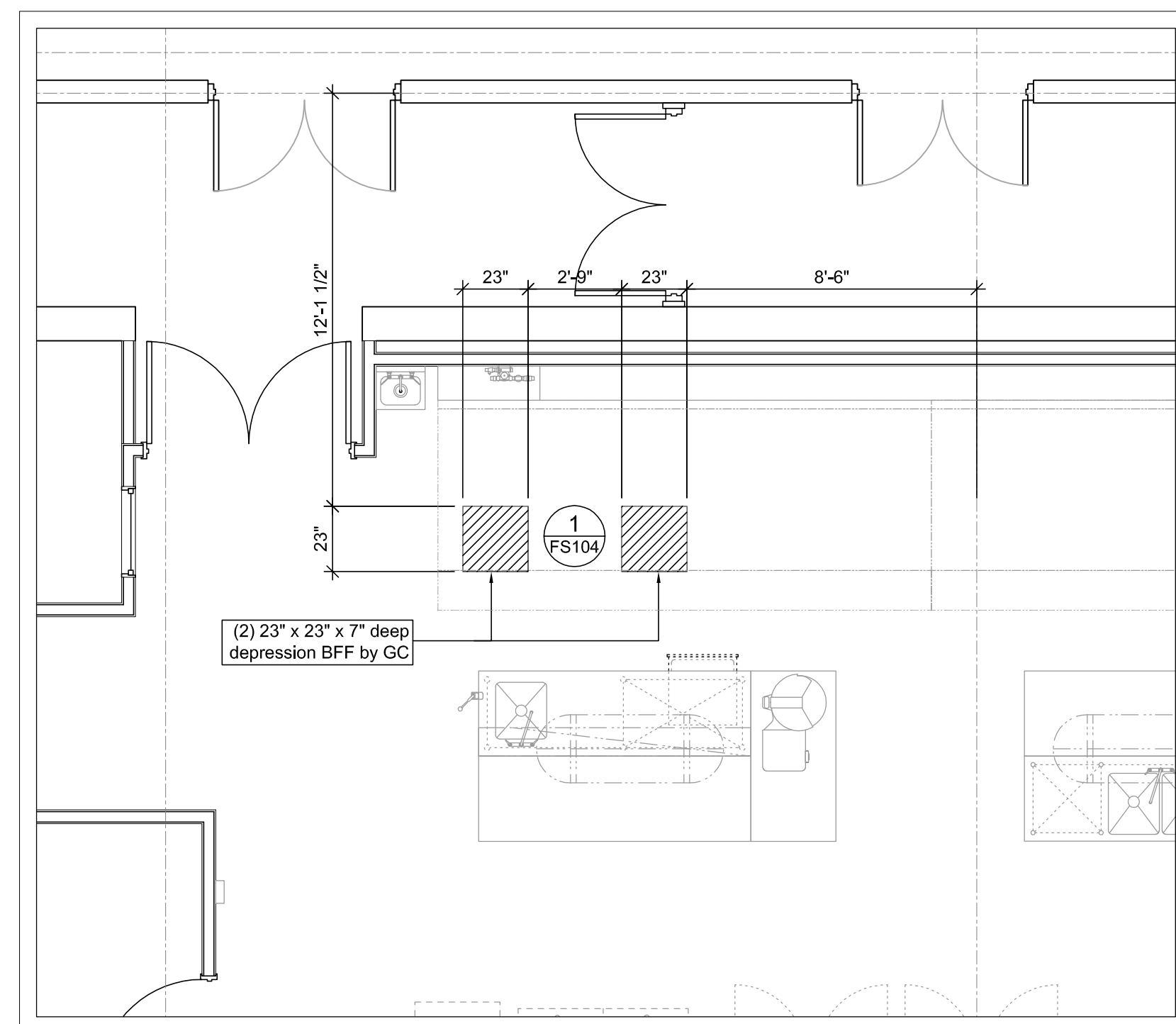
Drawing Number

FS-104



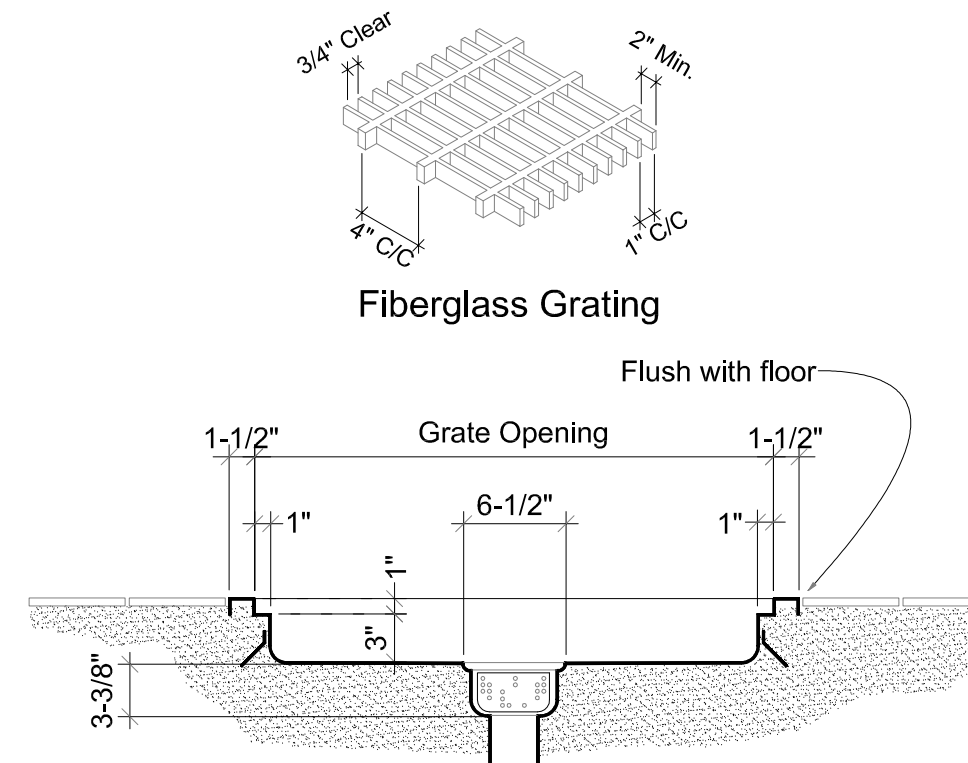
FOODSERVICE SPECIAL CONDITIONS PLAN

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



FLOOR TROUGH DETAIL PLAN

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



1 Detail - Floor Trough & Grate
Items 25

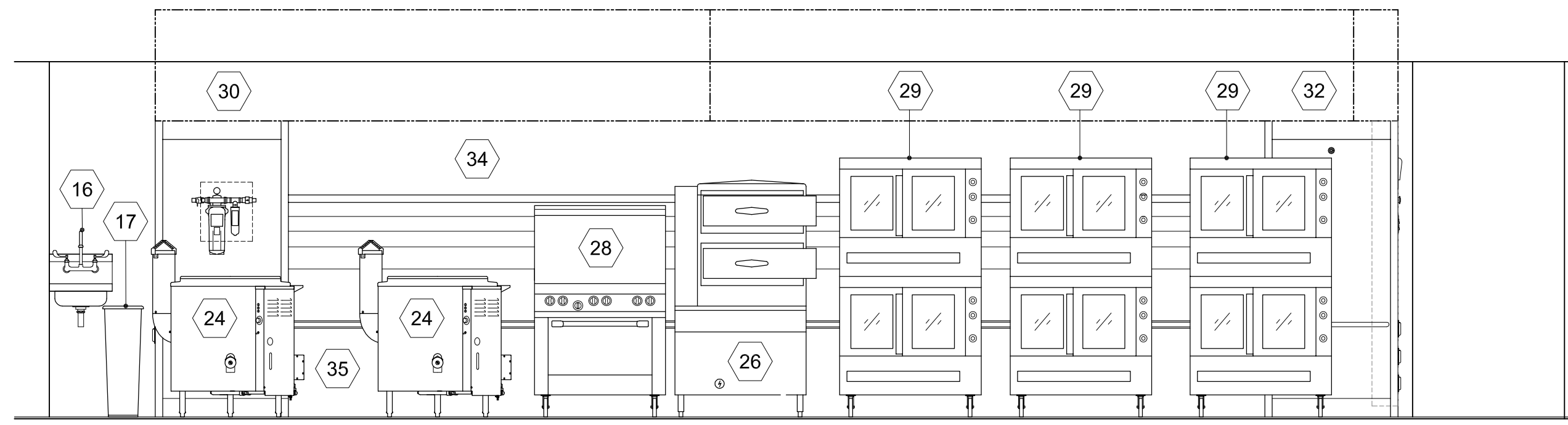
Abbreviations used:

A	Amperes	EXH	Exhaust	IW	Indirect waste
AFF	Above finished floor	FD	Floor drain	KEC	Kitchen Equip. Contractor
BFF	Below finished floor	FFD	Funnel floor drain	KW	Kilowatt
BTC	Branch to connection	FHW	Fahrenheit hot water	MBTU	BTU per hour/1000
C&P	Cord & plug provided	FS	Floor sink	MUA	Make-up air
CFM	Cubic feet per minute	G	Gas	PC	Plumbing Contractor
CR	Condensate return	GC	General Contractor	QD	Quick disconnect
CW	Cold water	GI	Grease interceptor	SP	Static pressure (WG)
DFA	Drop from above	HP	Horsepower	SR	Single receptacle
DR	Duplex receptacle	HW	Hot water	SS	Steam supply
EC	Electrical contractor	H&CW	Hot & cold water	W	Waste (direct connection)

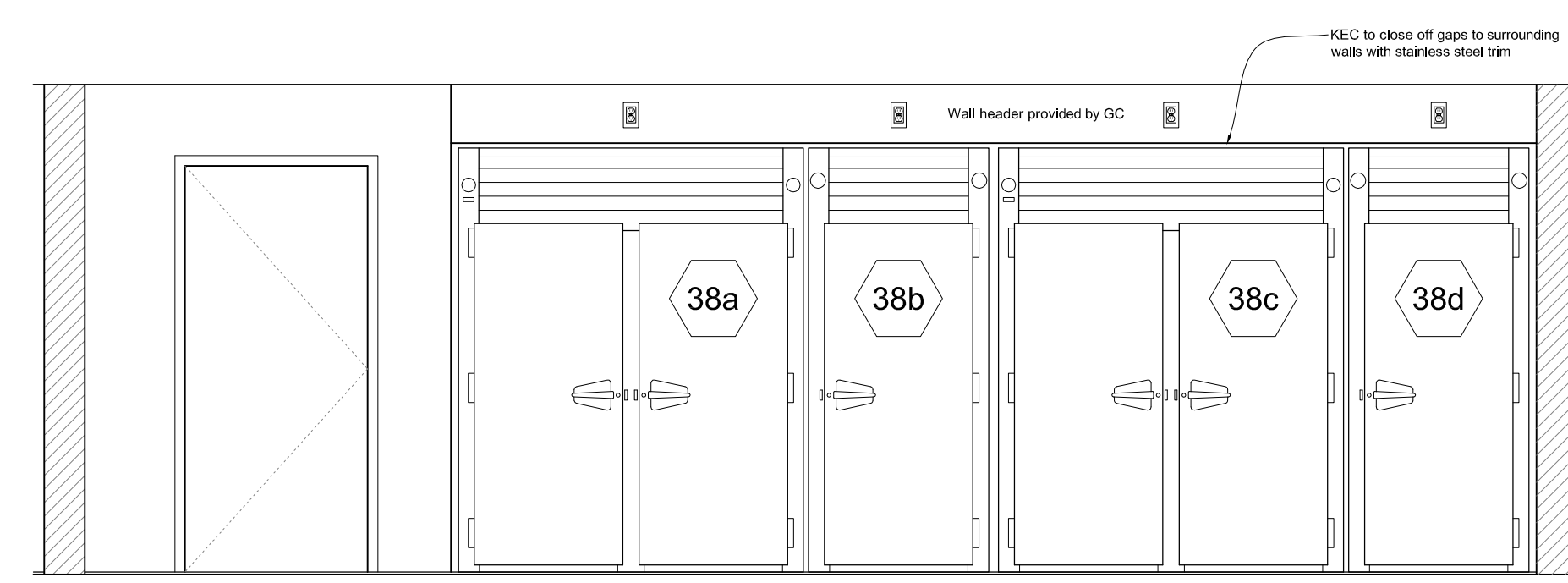
SPECIAL CONDITIONS NOTES

- DIMENSIONS ON THIS PLAN ARE PROVIDED FOR DESIGN INTENT. IT IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND HEIGHTS LISTED IN THE FIELD WITH THE EQUIPMENT BEING PROVIDED.
- WALK IN COOLER SLAB DEPRESSIONS MUST BE SMOOTH AND LEVEL, SIZED AS SHOWN ON PLAN.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING WALL BLOCKING AS INDICATED FOR SUPPORTING WALL MOUNTED EQUIPMENT. KITCHEN EQUIPMENT CONTRACTOR SHALL VERIFY AND COORDINATE ALL LOCATIONS AND HEIGHTS PROVIDED IN THE FIELD.
- WALL FLASHING MUST BE A MINIMUM OF 20 GAUGE STAINLESS STEEL PROVIDED AND INSTALLED BY THE KITCHEN EQUIPMENT CONTRACTOR. STAINLESS STEEL TO BE CUT IN THE LARGEST SHEETS POSSIBLE TO MINIMIZE JOINTS. ALL SEAMS TO BE COVERED WITH BATTEN STRIPS AND CAP STRIPS PROVIDED AT FLASHING ENDS. PROVIDE CAREFULLY PUNCHED HOLES AT SERVICE LOCATIONS. ALL WALL FLASHING DIMENSIONS MUST BE FIELD VERIFIED BY THE KITCHEN CONTRACTOR PRIOR TO FABRICATION.
- CORNER GUARDS MUST BE A MINIMUM OF 14 GAUGE STAINLESS STEEL PROVIDED AND INSTALLED BY THE KITCHEN EQUIPMENT CONTRACTOR. BREAK LONG EDGES SO THAT THE GUARDS "HUG" THE WALL AND SECURE TO THE WALL WITH A SUITABLE ADHESIVE. ALL CORNER GUARD DIMENSIONS AND ANGLES MUST BE FIELD VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR PRIOR TO FABRICATION.
- KITCHEN EQUIPMENT CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE REFRIGERATION LINE RUNS AND COORDINATION OF THE COMPLETE REFRIGERATION SYSTEM WITH THE GENERAL CONTRACTOR.
- EXHAUST HOODS MUST BE HUNG AND MOUNTED WITH THE BOTTOM OF THE HOOD AT 6'-8" ABOVE FINISH FLOOR. HVAC CONTRACTOR IS RESPONSIBLE FOR FINAL CONNECTIONS FROM THE EXHAUST HOOD COLLAR TO THE DUCTWORK. FINAL CONNECTIONS SHALL BE FULLY WELDED AND LIQUID TIGHT.
- HVAC CONTRACTOR TO PROVIDE AND INSTALL ALL FANS, DUCTWORK AND CURBS AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. START-UP AND AIR BALANCING OF THESE SYSTEMS MUST BE COMPLETED BY THE HVAC CONTRACTOR.

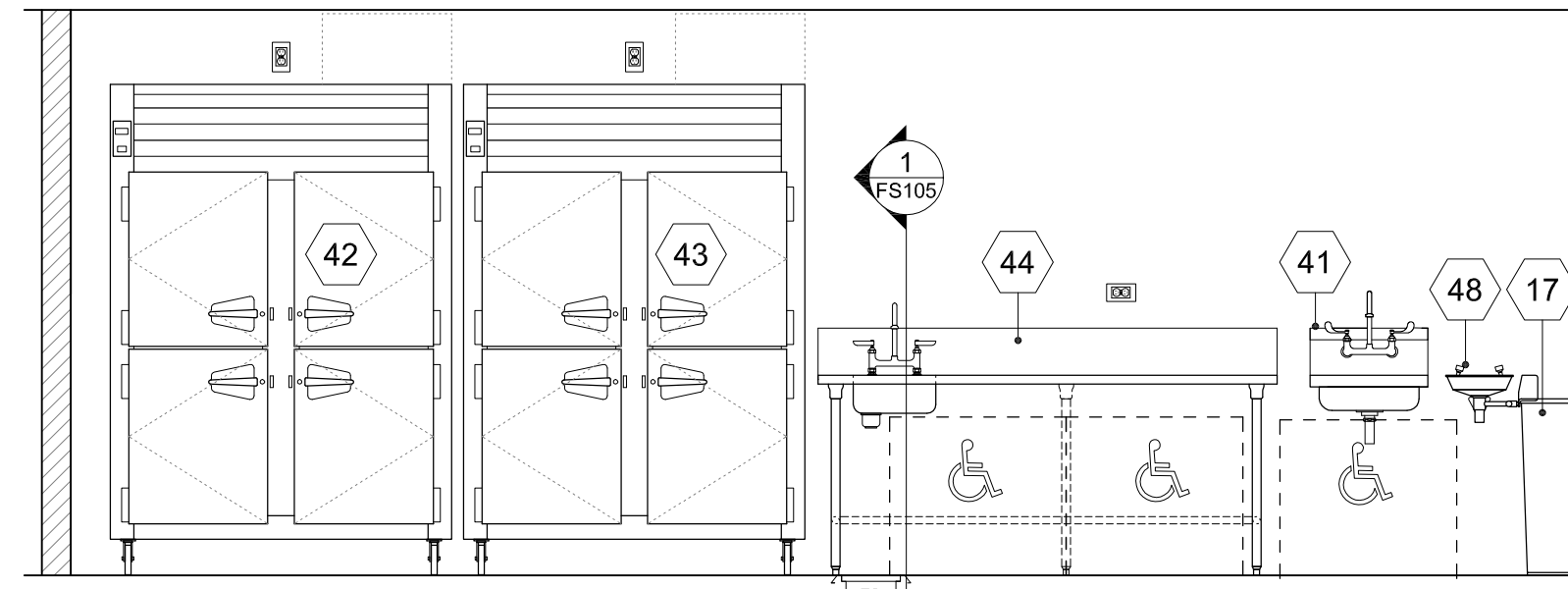
1" = 1'-0"



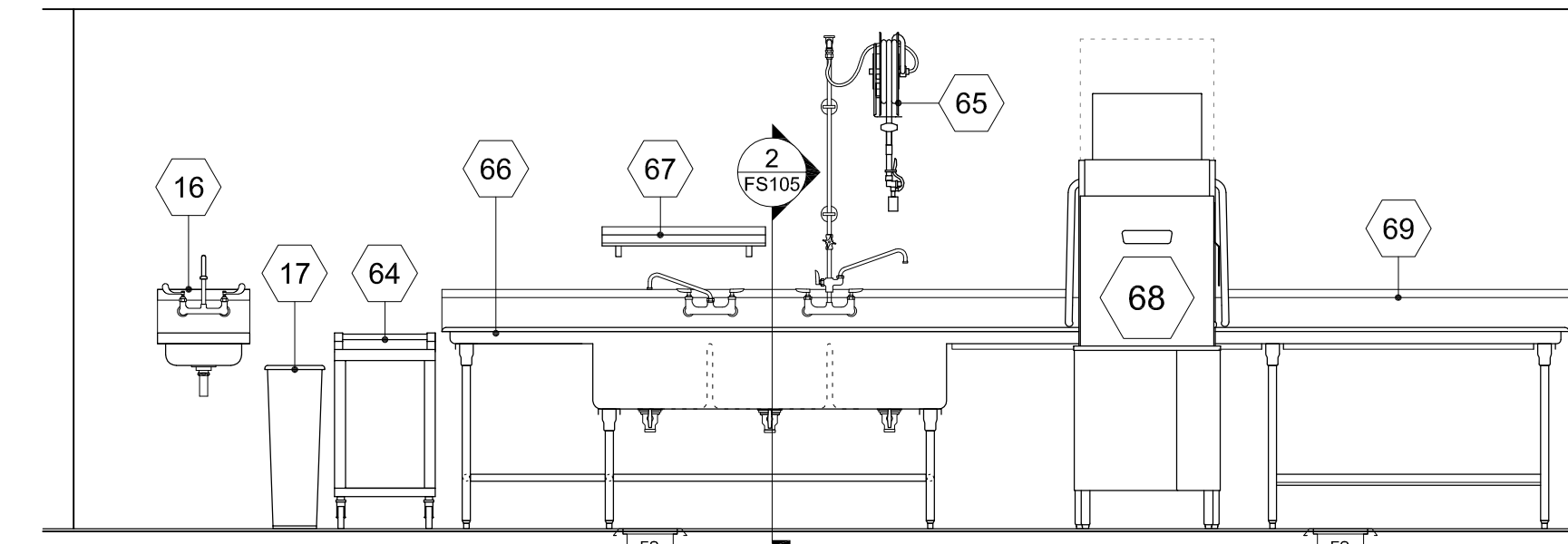
A Elevation - Cooking Line
FS102 Scale: 3/8" = 1'-0"



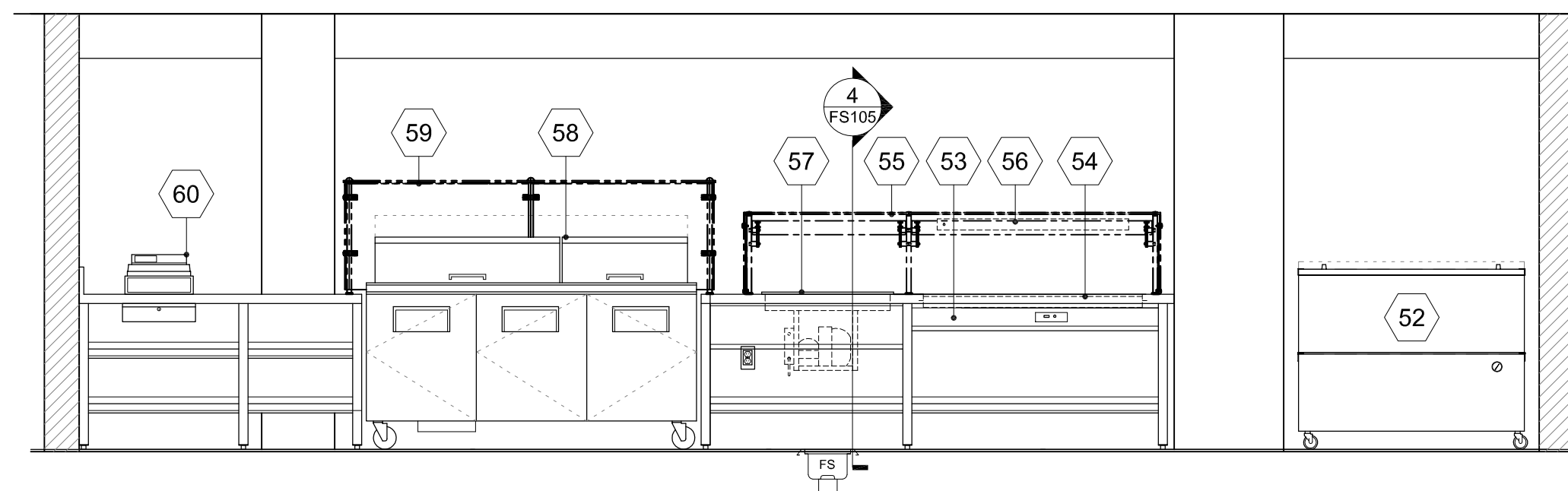
B Elevation - Pass-Thru Cabinets
FS102 Scale: 3/8" = 1'-0"



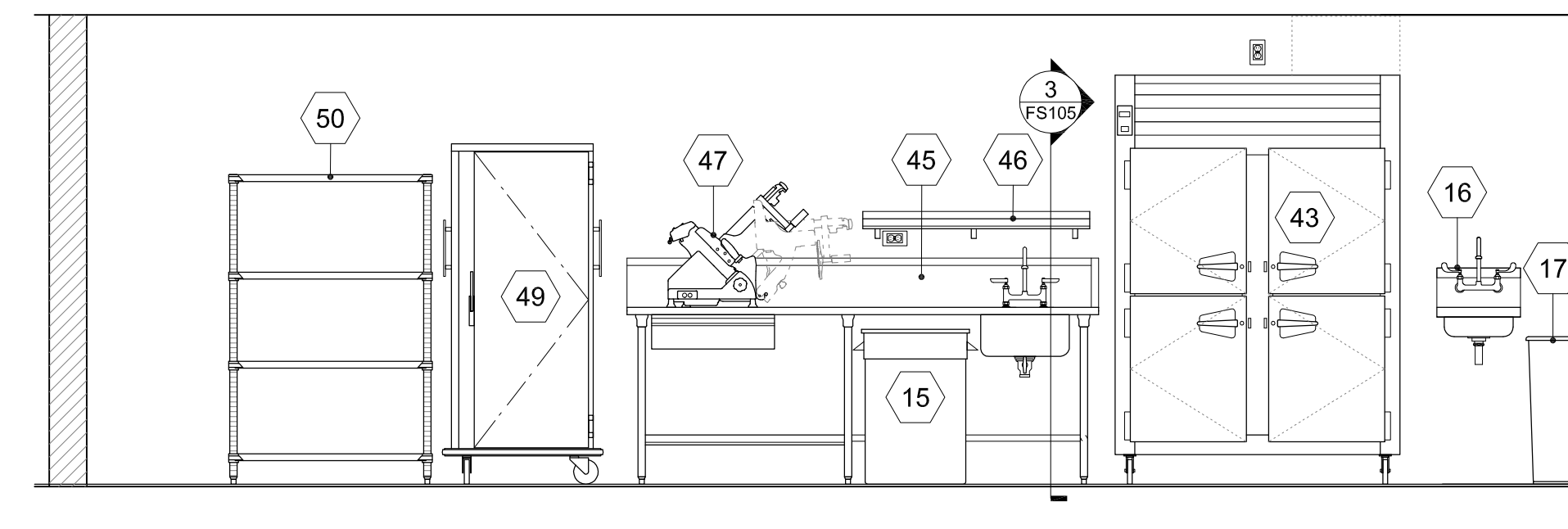
C Elevation - ADA Work Station
FS102 Scale: 3/8" = 1'-0"



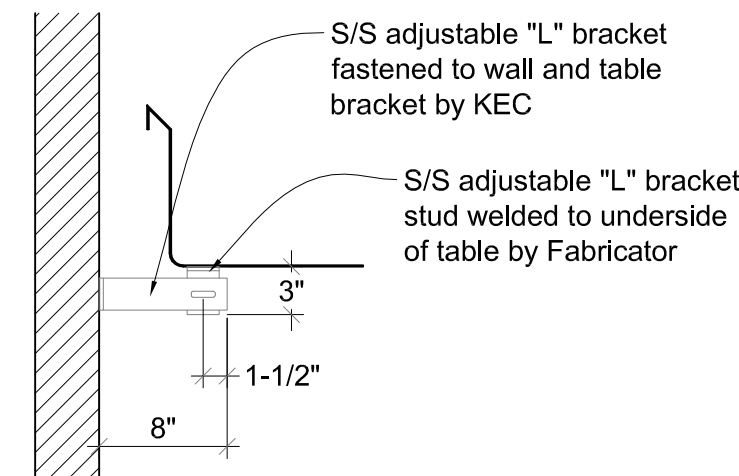
D Elevation - Warewashing
FS102 Scale: 3/8" = 1'-0"



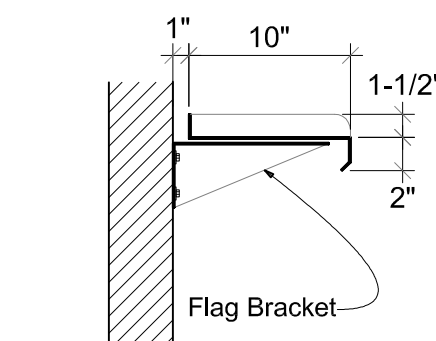
E Elevation - Pizza & Deli Counter
FS102 Scale: 3/8" = 1'-0"



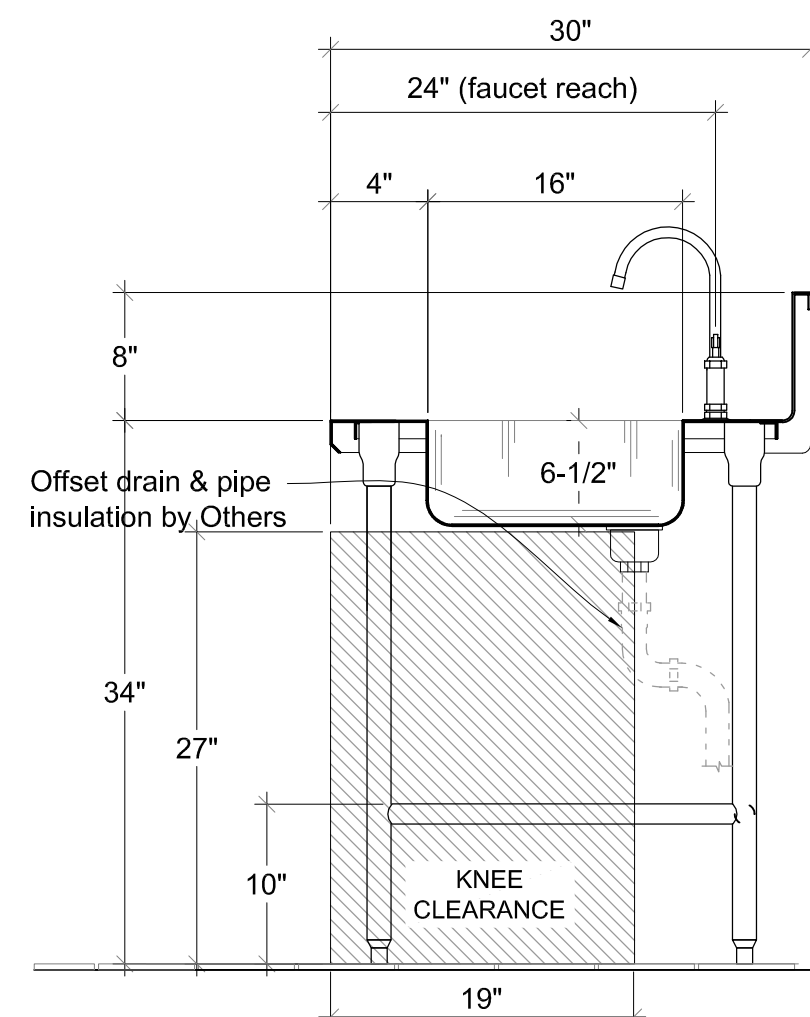
F Elevation - Prep Area
FS102 Scale: 3/8" = 1'-0"



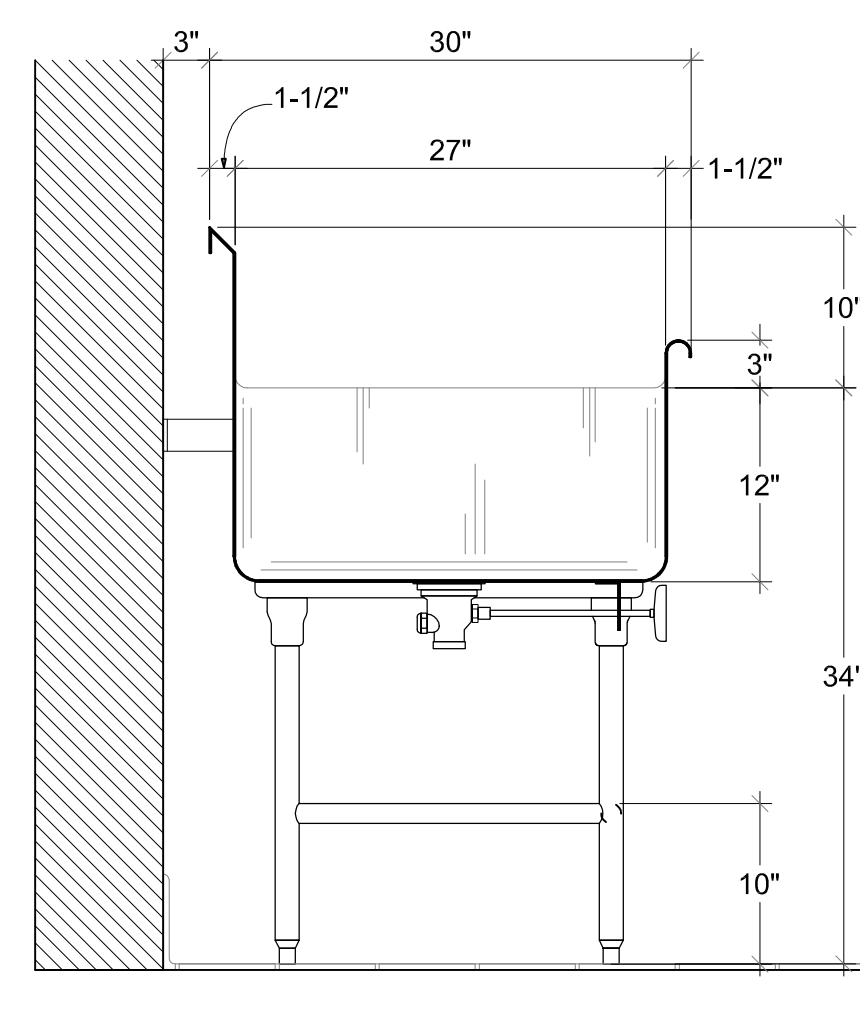
Detail - Counter Wall Bracket
Typical NTS



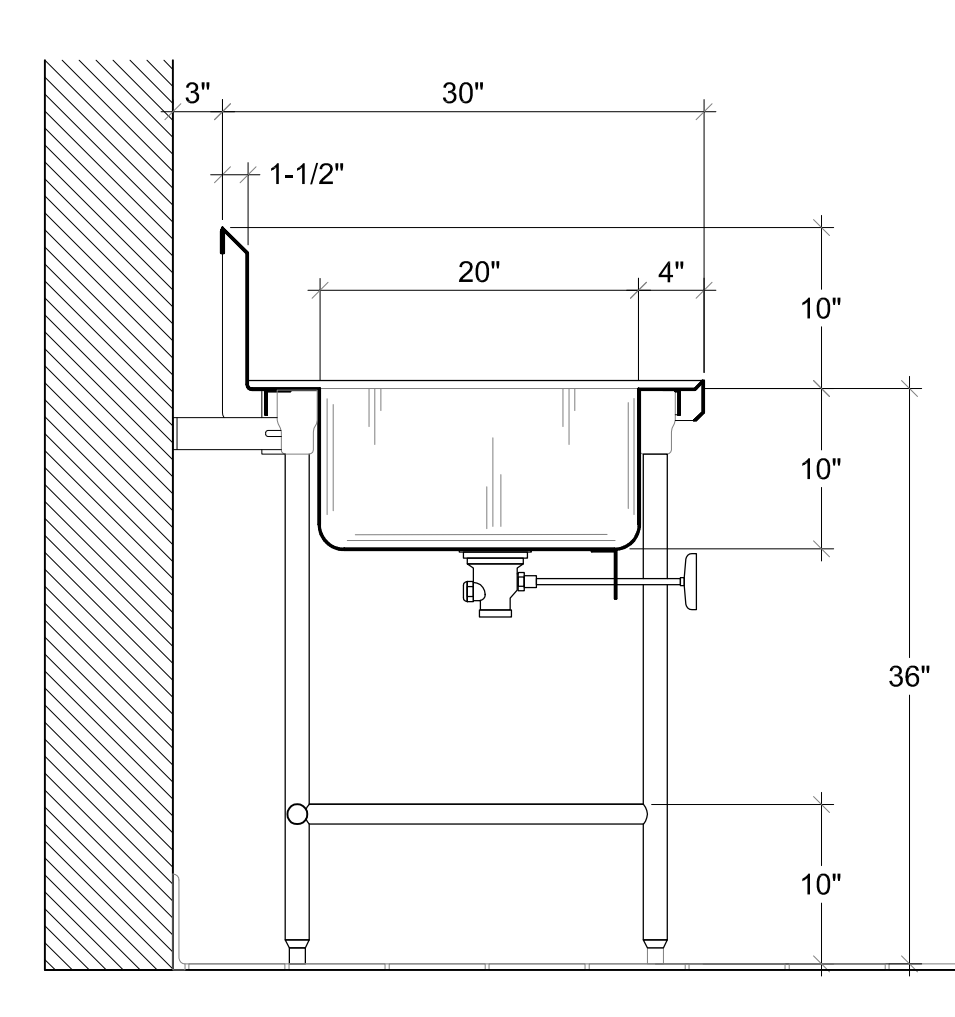
Section - Wall Shelf
Typical 1" = 1'-0"



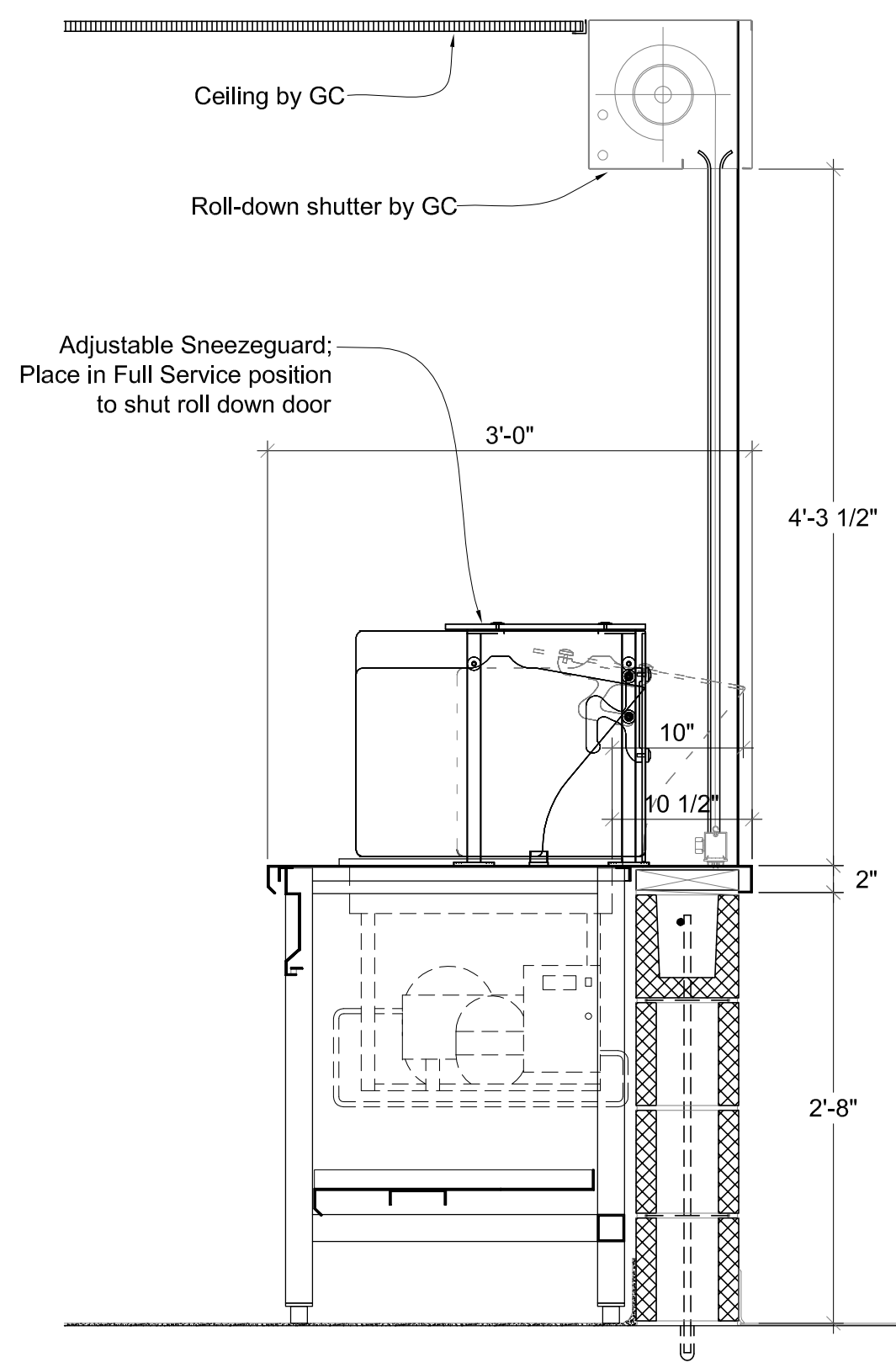
1 Section - ADA Work Station @ Sink
Item 44 1" = 1'-0"



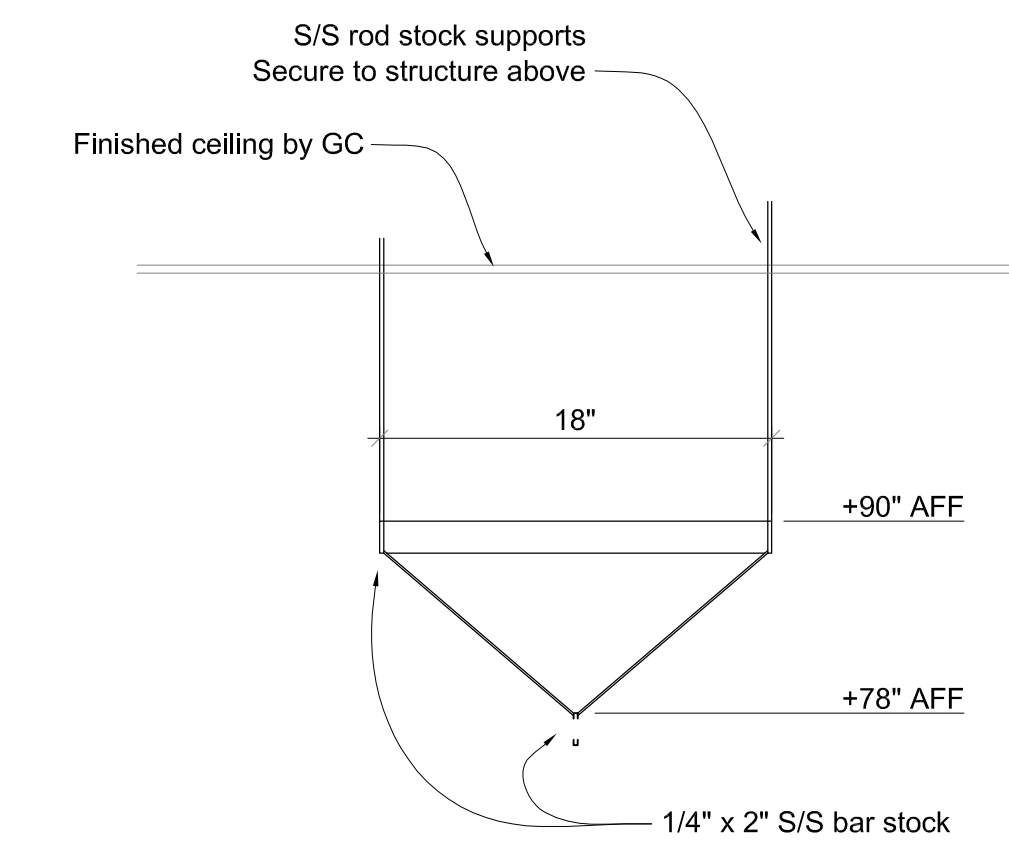
2 Section - Pot Washing Sink
Item 66 1" = 1'-0"



3 Section - Prep Counter @ Sink
Item 45 1" = 1'-0"



4 Section - Serving Counter
Item 53 1" = 1'-0"



Section - Pot Rack
Item 47 1" = 1'-0"

Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	1/4" = 1'-0"
Drawn	AC
Checked	TMcD
Drawing Name	

FOODSERVICE EQUIPMENT ELEVATIONS

Drawing Number

FS-105



FIRE PROTECTION GENERAL DEMOLITION NOTES	
1.	THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE. BUT THE DRAWINGS ARE NOT EXACT AS TO QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR TO EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK IN REGARDS TO ALL EXISTING UTILITIES. THE CONTRACTOR TO RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE INCURRED AS A RESULT OF WORK UNDER THIS CONTRACT.
2.	EQUIPMENT REMOVED DURING DEMOLITION WORK MY BE RETAINED BY THE OWNER AT HIS OPTION. ANY SUCH MATERIAL TO BE DELIVERED TO A LOCATION DESIGNATED BY THE OWNER, REMOVAL OF DEMOLITION MATERIAL FROM THE JOB SITE TO BE THE CONTRACTOR'S RESPONSIBILITY.
3.	DASHED SPRINKLERS TO BE REMOVED. UNLESS NOTED OTHERWISE, ALL EXISTING FIRE PROTECTION SYSTEM MAIN PIPING TO REMAIN. FOR DETAILS OF NEW SPRINKLERS LOCATION REFER TO NEW DRAWINGS, CONTRACTOR TO FIELD VERIFY ALL SIZES AND LOCATIONS.
4.	THE CONTRACTOR TO BE RESPONSIBLE FOR ANY TEMPORARY WORK REQUIRED TO KEEP THE BUILDING OCCUPIED DURING THE CONSTRUCTION PHASING.
5.	REPLACE SPRINKLERS IN ALL AREAS WHERE THE CEILING IS BEING REPLACED.
6.	EXISTING SPRINKLERS AND ASSOCIATED PIPE DROP, IN THE CONTRACT AREA TO BE REMOVED. CAP FOR FUTURE CONNECTION, EXISTING MAIN AND CROSS MAINS TO REMAIN.

FIRE PROTECTION GENERAL NOTES	
1.	FIRE PROTECTION SYSTEM HAS BEEN DESIGNED AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STANDARDS OF THE NATIONAL FIRE CODES, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION. SYSTEM SHALL BE DESIGNED FOR ORDINARY HAZARD OCCUPANCY, UNLESS OTHERWISE INDICATED ON DRAWINGS.
2.	ALL HANGERS AND SUPPORTS SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH NFPA 13.
3.	SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13.
4.	SPRINKLER SYSTEMS SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH NFPA 13.
5.	SPRINKLER LOCATIONS SHOWN FOR REFERENCE ONLY. INSTALL SPRINKLERS IN ACCORDANCE WITH NFPA 13 REQUIREMENTS. COORDINATE SPRINKLER LOCATIONS WITH CEILING GRID. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
6.	PROVIDE SWING JOINTS ON ALL PENDENT SPRINKLERS. CENTER IN CEILING TILE BIDIRECTIONAL.
7.	FIRE STOP AROUND PIPES PENETRATING FIRE RATED PARTITIONS. COORDINATE WITH ARCHITECTURAL.
8.	A FIELD VISIT AND FAMILIARIZATION WITH ALL EXISTING CONDITIONS AND ALL NEW TRADE WORK IS A PREREQUISITE FOR PROPOSAL SUBMISSION.
9.	ALL MATERIALS AND WORK SHALL FULLY MEET THE REQUIREMENTS OF NFPA, ALL APPLICABLE STATE AND LOCAL CODES AND INSURANCE UNDERWRITER.
10.	SIGNED AND SEALED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED FOR REVIEW TO THE INSURANCE UNDERWRITER, FIRE MARSHAL, AND ENGINEER IN THAT ORDER. ALL COMMENTS TO BE ADDRESSED AND RESOLVED PRIOR TO COMMENCEMENT OF WORK.
11.	DRAWINGS ARE DIAGRAMMATIC AND ONLY INTENDED TO SHOW THE GENERAL ARRANGEMENT AND EXTENT OF WORK TO BE PERFORMED. THE LOCATIONS GIVEN ARE APPROXIMATE AND SUBJECT TO MODIFICATIONS AS MAY BE FOUND NECESSARY TO MEET ANY STRUCTURAL OR JOB CONDITIONS. THE CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL FIELD CONDITIONS.
12.	CONTRACTOR SHALL PERFORM FLOW TEST TO USE WITH HIS HYDRAULIC CALCULATIONS
13.	THIS CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH CHANGING ALL OF THE ROOM NAMES AND NUMBERS AT THE END OF THE JOB FROM THE NAMES AND NUMBERS SHOWN THE CONSTRUCTION DOCUMENTS TO A NEW SET OF ROOM NAMES AND NUMBERS, INCLUSIVE OF ALL RE-PROGRAMMING OF ALL MEP AND FIRE PROTECTION SYSTEM, ETC. FINAL ROOM NUMBERS WILL BE PROVIDED BY THE ARCHITECT TO TRADE CONTRACTORS AT OR AROUND THE DATE OF SUBSTANTIAL COMPLETION.
14.	SHOP DRAWINGS FOR THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE TOWN FIRE MARSHAL FOR REVIEW AND APPROVAL PRIOR TO START OF THE WORK.

GENERAL SYMBOLS	
	THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
	THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
EX	SUB LETTERS "EX" INDICATES EXISTING EQUIPMENT TO REMAIN INTACT
RE	SUB LETTER "RE" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
RL	SUB LETTER "RL" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
NL	SUB LETTER "NL" INDICATES NEW LOCATION OF RELOCATED EQUIPMENT
NR	SUB LETTER "NR" INDICATES NEW EQUIPMENT TO REPLACE EXISTING
RR	SUB LETTER "RR" INDICATES REMOVE EQUIPMENT AND REPLACE ON NEW SURFACE
*	* = a, b, c, g, AF, GF, IG OR TP WHEN TAGGED IN THE ELECTRICAL SYMBOL LIST, REFER TO THE ABBREVIATION LIST

FIRE PROTECTION SYMBOLS	
	FIRE SERVICE
	COMBINATION SP / SPK MAIN
	WET SPRINKLER MAIN
	STANDPIPE MAIN
	DRY SPRINKLER MAIN
	PREACTION SPRINKLER MAIN
	FIRE DEPT. CONNECTION SUPPLY LINE
	F.D.C. (WALL TYPE)
	F.D.C. (FREE STANDING)
	WALL INDICATOR VALVE
	FIRE HOSE VALVE
	FIRE HYDRANT
	CURB GATE VALVE
	ELECTRIC ALARM BELL
	WATER MOTOR GONG
	RISER (SPRINKLER OR STANDPIPE)
	FIRE VALVE CABINET
	FIRE HOSE CABINET
	FIRE VALVE CABINET (RISER DIAGRAM)
	FIRE HOSE CABINET (RISER DIAGRAM)
	FIRE PUMP
	INSPECTOR'S TEST MODULE (VALVE, ORIFICE, SIGHT GLASS)
	FIRE HOSE VALVE
	INSPECTOR'S TEST VALVE (W / ORIFICE)
	BACKFLOW PREVENTER ASSEMBLY OR BACKFLOW PREVENTER WITH TAMPER SWITCHES
	DOUBLE CHECK VALVE ASSEMBLY OR DOUBLE CHECK VALVE ASSEMBLY WITH TAMPER SWITCHES
	POST INDICATOR VALVE WITH TAMPER SWITCH
	PRESSURE SWITCH
	FLOW SWITCH
	LOW PRESSURE SWITCH
	OS&Y WITH TAMPER SWITCH ON PIPE RISE
	BUTTERFLY VALVE WITH TAMPER SWITCH
	OS&Y VALVE WITH TAMPER SWITCH
	FIRE PUMP TEST HEADER
	PENDANT SPRINKLER HEAD CONCEALED
	PENDANT SPRINKLER HEAD SEMI-RECESSED
	UPRIGHT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	EXISTING SPRINKLER HEAD TO REMAIN
	EXISTING SPRINKLER HEAD TO BE REMOVED
DP	DRY PENDANT SPRINKLER
DS	DRY SIDEWALL SPRINKLER
WG	WIRE GUARD OVER SPRINKLER HEAD
EC	EXTENDED COVERAGE SPRINKLER
H	HIGH TEMPERATURE SPRINKLER
	AIR COMPRESSOR
	JOCKEY PUMP
	FIRE PUMP CONTROLLER
	JOCKEY PUMP CONTROLLER

FIRE PROTECTION SYMBOLS (cont.)	
	WET ALARM CHECK VALVE OR ALARM CHECK VALVE WITH TAMPER AND PRESSURE SWITCHES
	PREACTION ALARM CHECK VALVE OR PREACTION VALVE WITH CONTROL PANEL
	DELUGE VALVE OR DELUGE VALVE WITH CONTROL PANEL
	DRY CHEMICAL OR CLEAN AGENT SYSTEM
	DRY ALARM CHECK VALVE OR DRY PIPE VALVE WITH COMPRESSOR, TAMPER SWITCH AND HIGH AND LOW PRESSURE SWITCHES

FITTINGS AND VALVES	
	PIPE ANCHOR
	BACKFLOW PREVENTER
	STRAINER OR STRAINER WITH BLOW-DOWN VALVE HOSE END, CAP AND CHAIN
	WALL CLEANOUT OR BLIND FLANGE
	"P" TRAP
	PIPE TEE DOWN
	IN-LINE EXPANSION COMPENSATOR
	FLOOR CLEANOUT
	STEAM TRAP ASSEMBLY
	STEEL PENETRATION / PIPE SLEEVE
	PIPE ELBOW UP OR PIPE TEE UP
	PIPE ELBOW DOWN
	COMPANION FLANGE
	PIPE CAP OR CAPPED END OF PIPE
	UNION
	PIPE GUIDES
	PUMP
	WATER HAMMER ARRESTOR
	TAKEOFF FROM TOP OF MAIN PIPE
	TAKEOFF FROM BOTTOM OF MAIN PIPE
	DIRECTION OF FLUID FLOW
	VALVE ON RISER
	VALVE ON DROP
	METERING ORIFICE
	AIR VENT
	FLOW SENSOR
	PIPE DROP WITH VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	BALL VALVE
	CALIBRATED BALANCING VALVE
	SHUT-OFF VALVE (SEE SPECIFICATIONS FOR APPLICATION TYPE)
	BUTTERFLY VALVE
	CHECK VALVE
	THERMOSTATIC MIXING VALVE
	GLOBE VALVE
	GATE VALVE
	PRESSURE REDUCING VALVE
	GAS COCK
	TRIPLE DUTY VALVE
	OS&Y VALVE
	FUSOMATIC VALVE (FIREMATIC)
	DRAIN VALVE WITH HOSE END, CAP & CHAIN OR WALL HYDRANT / HOSE BIBB
	MOTORIZED BUTTERFLY VALVE
	PRESSURE RELIEF SAFETY VALVE
	AQUASTAT
	SOLENOID VALVE
	TEMPERATURE SENSOR WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
	TEMPERATURE GAUGE WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
	THERMOMETER WITH SEPARABLE SOCKET IN IMMERSIBLE WELL
	PRESSURE GAUGE
	PRESSURE SENSOR WITH SYPHON (STEAM)
	FLEXIBLE CONNECTOR



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer



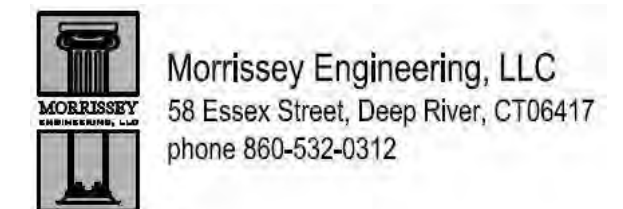
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MEP Engineer



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Civil Engineer



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Revisions

Issue Record

Seal

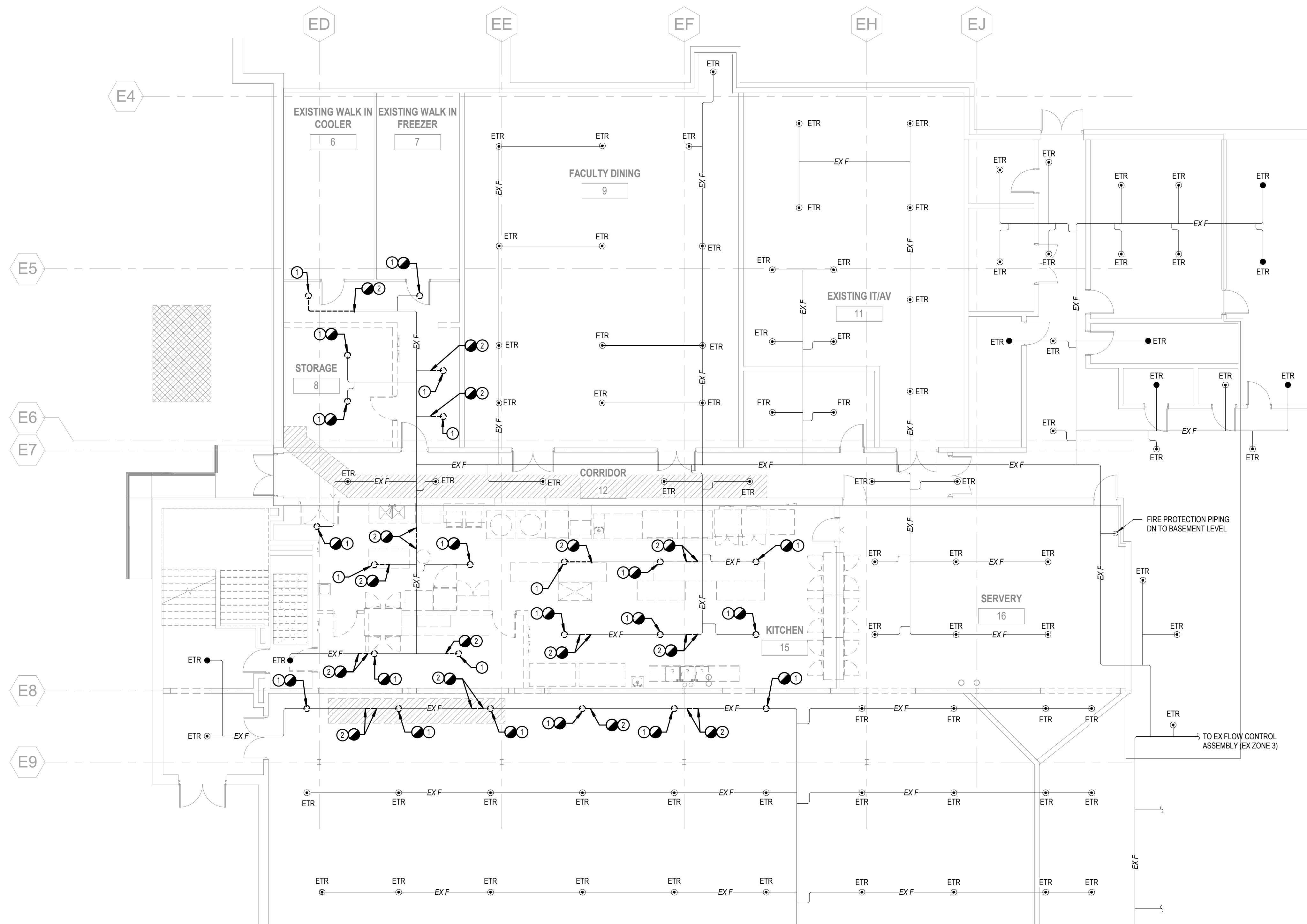
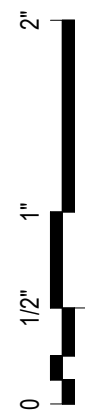
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	DFF
Checked	LMD
Drawing Name	

FIRE PROTECTION GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

Drawing Number

FP-000



FIRE PROTECTION DEMOLITION NOTES	
①	RX SPRINKLER HEAD.
②	RX SPRINKLER BRANCH PIPING AS INDICATED.

1 FIRST FLOOR FIRE PROTECTION PLAN - DEMOLITION
 FPD-101 1/8" = 1'-0"

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer

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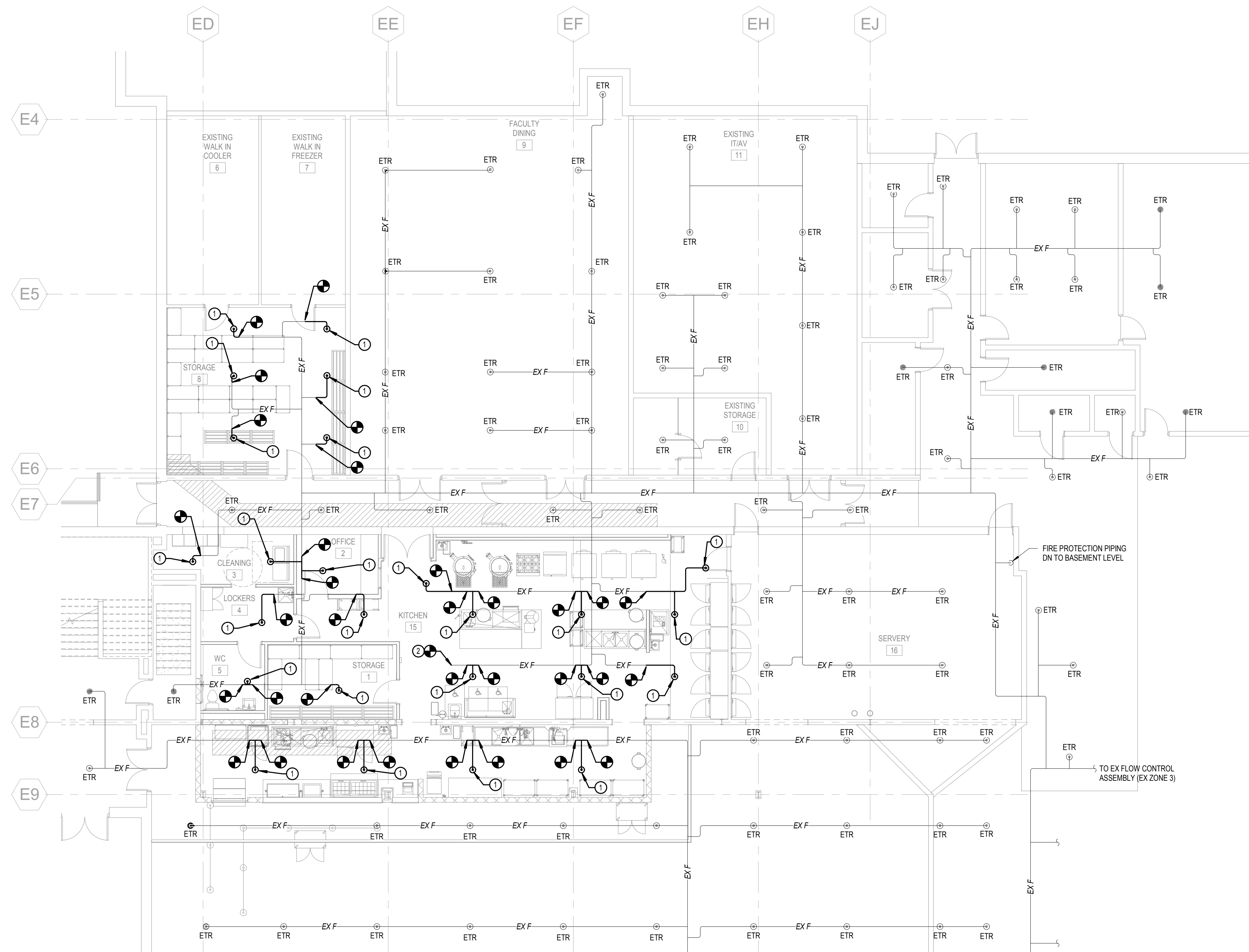
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	DFE
Checked	LMD
Drawing Name	

FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

Drawing Number

FPD-101



1 FIRST FLOOR FIRE PROTECTION PLAN - NEW WORK
FP-101 1/8" = 1'-0"

FIRE PROTECTION DRAWING NOTES	
①	FURNISH AND INSTALL NEW SPRINKLER HEAD AND ASSOCIATED BRANCH PIPING AS INDICATED.
②	CAP EX PIPE.

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer

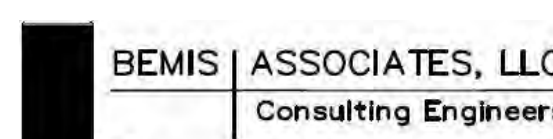


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Job Number	GL-2019-19
Scale	As indicated
Drawn	DFF
Checked	LMD
Drawing Name	

FIRST FLOOR FIRE PROTECTION PLAN

Drawing Number

FP-101



PLUMBING GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE, COUNTY AND LOCAL CODES, REGULATIONS AND ORDINANCES. MATERIAL, EQUIPMENT, INSTALLATION, AND PROCEDURES SHALL BE IN STRICT ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE LATEST CURRENT EDITION OF THE REFERENCED DOCUMENTATION.
 - REGULATIONS OF LOCAL AUTHORITIES HAVING JURISDICTION.
 - NFPA - NATIONAL FIRE PROTECTION ASSOCIATION.
 - ASME - AMERICAN SOCIETY OF MECHANICAL ENGINEERS.
 - ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS.
 - IPC - INTERNATIONAL PLUMBING CODE, W/ AMENDMENTS.
 - ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE.
 - IBC - INTERNATIONAL BUILDING CODE, W/ AMENDMENTS.
 - NSF - NATIONAL SANITATION FOUNDATION.
 - ADA - AMERICANS WITH DISABILITIES ACT.
- CONTRACTORS SHALL BE RESPONSIBLE TO VERIFY AND FAMILIARIZE THEMSELVES WITH ACTUAL FIELD CONDITIONS ASSOCIATED WITH WORK UNDER THIS CONTRACT. A VISIT TO THE SITE AND EXAMINATION OF THE OTHER MECHANICAL TRADES SHOWING ALL DETAILS OF CONSTRUCTION IS A REQUIREMENT PRIOR TO SUBMITTING THEIR BID.
- IT IS THE INTENT THAT ALL WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT MATERIAL OR WORK SPECIFICALLY NOT INDICATED ON THE DRAWINGS, BUT NECESSARY TO COMPLETE THE WORK, SHALL BE PROVIDED.
- THE CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL DIMENSIONS AND JOB CONDITIONS.
- THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH CHANGING ALL OF THE ROOM NAMES AND NUMBERS AT THE END OF THE JOB FROM THE NAMES AND NUMBERS SHOWN ON THE CONSTRUCTION DOCUMENTS TO A NEW SET OF ROOM NAMES AND NUMBERS, INCLUSIVE OF ALL RE-PROGRAMMING OF ALL MEP AND FIRE PROTECTION SYSTEMS, ETC. FINAL ROOM NUMBERS WILL BE PROVIDED BY THE ARCHITECT TO THE TRADE CONTRACTORS AT OR AROUND THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT.
- THERE SHALL BE NO EXPOSED PIPING. PIPES SHALL RUN CONCEALED ABOVE CEILING OR IN WALLS, WHERE NOT POSSIBLE. THE GENERAL CONTRACTOR SHALL PROVIDE PIPE CHASES. PIPE CHASES SHALL BE COORDINATED WITH THE ARCHITECT. ON EXTERIOR WALLS, PIPES SHALL BE INSTALLED AND RUN ON THE WARM SIDE OF THE BUILDING INSULATION AND HAVE A MINIMUM OF 2-INCHES OF INSULATION. WHERE PIPING IS ALLOWED TO BE EXPOSED, THE EXPOSED PIPING SHALL BE FINISHED AND PAINTED TO MATCH THE SURROUNDING AREA. COLOR AS SELECTED BY ARCHITECT.
- PROVIDE A MINIMUM OF 36-INCHES OF CLEARANCE TO ALL EQUIPMENT AT THE ELECTRICAL COMPONENT LOCATIONS.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. REPAIR ALL DAMAGES OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- COORDINATE ALL PLUMBING WORK WITH MECHANICAL WORK, FIRE PROTECTION, ELECTRICAL WORK, ETC., SHOWN ON OTHER DRAWINGS.
- REFER TO SECTIONS ON ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PIPE ROUTING THROUGH THE FACILITY.
- COORDINATE PLUMBING PIPING ENCLOSURES WITH ARCHITECTURAL DRAWINGS PRIOR TO SETTING PIPING BELOW SLABS.
- COORDINATE FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH MECHANICAL EQUIPMENT AND OR KITCHEN EQUIPMENT PLACEMENT PRIOR TO SETTING DRAINS. DRAINS SHALL BE LOCATED AS CLOSE TO EQUIPMENT DRAIN POINTS AS POSSIBLE.
- FIELD VERIFY PIPING MATERIALS AND SIZES PRIOR TO CONNECTION THERETO.
- PROVIDE SHUTOFF VALVES IN DOMESTIC WATER SYSTEM BRANCH LINES SERVING TWO OR MORE FIXTURES.
- PROVIDE ALL BRANCH PIPES TO COLD WATER AND HOT WATER SYSTEMS WITH A SHUT-OFF VALVE.
- INSTALL PIPING SO VALVES ARE ACCESSIBLE.
- WHERE HOT AND COLD WATER PIPING DROPS INTO PIPE CHASE, THE SIZE SHOWN FOR THE PIPE DROPS SHALL BE USED TO THE LAST FIXTURE RUNOUT.
- CERTAIN ITEMS SUCH AS CLEAN-OUTS, ACCESS DOORS, RISES AND DROPS IN PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THOSE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.
- EQUIPMENT CONNECTION SIZES MAY DIFFER FROM INDICATED PIPE SIZES. PROVIDE APPROPRIATE TRANSITIONS AT THE EQUIPMENT WHERE REQUIRED.
- THE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, NOT EXACT EQUIPMENT AND PIPING LOCATIONS. ALL OFFSETS, FITTINGS, TRANSITIONS AND ACCESSORIES ARE NOT NECESSARILY SHOWN. COORDINATE THE INSTALLATION OF ALL PIPING, EQUIPMENT AND OTHER WORK WITH ALL OTHER TRADES IN ORDER TO AVOID CONFLICTS.
- UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB AND STRUCTURE, WITH SPACE FOR VALVES AND INSULATION.
- MAINTAIN MINIMUM 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, SUSPENDED EQUIPMENT, ETC., THROUGHOUT 48-INCH ACCESS ROUTES IN MECHANICAL AND ELECTRICAL ROOMS.
- PROVIDE ISOLATION VALVES SO THAT EQUIPMENT AND INSTRUMENTS IN THE SYSTEM CAN BE ISOLATED FOR SERVICE AND MAINTENANCE.
- ALL PLUMBING FIXTURES SHALL HAVE A MINIMUM AIR GAP FROM THE LOWEST END OF A POTABLE WATER OUTLET TO THE FLOOD RIM OR LINE OF THE FIXTURE INTO WHICH IT DISCHARGES. THE AIR GAP SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF A POTABLE WATER OUTLET UNLESS THE OUTLET IS A DISTANCE LESS THAN 3 TIMES THE EFFECTIVE OPENING AWAY FROM A WALL OR SIMILAR VERTICAL SURFACE IN WHICH CASE THE MINIMUM REQUIRED AIR GAP SHALL BE 3 TIMES THE EFFECTIVE OPENING OF THE OUTLET.
- FIXTURES SUBJECT TO INTERMITTENT OR CONTINUOUS PRESSURE BACK-SIPHONAGE SHALL BE PROVIDED WITH A BACKFLOW PREVENTION DEVICE.
- FIXTURES WHICH DISCHARGE INDIRECTLY INTO A FLOOR DRAIN OR FLOOR SINK SHALL DISCHARGE WITH AN AIR GAP EQUAL TO TWICE THE DIAMETER OF THE FIXTURE DISCHARGE PIPE.
- ALL EXISTING SANITARY AND STORM WATER PIPING TO REMAIN AND TO BE REUSED SHALL BE AUGERED/ ROD-CLEANED AND FLUSHED TO ENSURE FREE FLOW. ALL EXISTING RAIN LEADERS SHALL REMAIN UNLESS NOTED OTHERWISE.
- ALL PIPING NOT INDICATED IN CHASES SHALL BE LOCATED ABOVE CEILING AS HIGH AS POSSIBLE. COORDINATE ROUTING OF PIPING WITH OTHER DISCIPLINES.
- FURNISH AND INSTALL WATER HAMMER ARRESTORS ON ALL COLD AND HOT WATER PIPING BRANCHES THAT HAVE FLUSH VALVES AND OR QUICK CLOSING VALVES. CONTRACTOR SHALL COORDINATE THEIR EXACT LOCATION, QUANTITY AND SIZE IN THE FIELD PER THE MANUFACTURERS INSTALLATION RECOMMENDATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR RATINGS OF WALL, CEILING AND WALL ASSEMBLIES.
- RUN ALL SOIL, WASTE, STORM AND DRAIN PIPING WITH 2% MINIMUM GRADE FOR PIPING 2'-12" AND SMALLER, 1% MINIMUM GRADE FOR PIPING 3' AND LARGER, UNLESS OTHERWISE NOTED. HORIZONTAL VENT PIPING SHALL BE GRADED TO DRIP BACK TO THE SOIL OR WASTE PIPE BY GRAVITY.
- ELEVATIONS NOTED ARE TO CENTERLINES OF PIPES FOR ALL PRESSURE LINES AND TO INVERT FOR ALL GRAVITY FLOW LINES.
- ADJUST SEWER INVERTS TO KEEP TOPS OF PIPE IN-LINE WHERE PIPE SIZES CHANGES.
- MAINTAIN A MINIMUM OF 4'-6" COVER OVER UNDERGROUND WATER MAINS.
- CONTRACTOR IS PROHIBITED FROM ATTACHING TO THE ROOF DECK AND LOWER CHORD OF JOISTS AS A SUPPORT SYSTEM FOR DEVICES AND BUILDING SYSTEMS.
- CONTRACTOR SHALL REPAIR ALL PENETRATION HOLES IN WALLS, FLOORS, CEILINGS AND ROOF AS A RESULT OF DEMOLITION WORK. REPAIRS SHALL MATCH ADJACENT CONSTRUCTION.
- ALL PIPE PENETRATIONS IN EXPOSED AREAS, INSIDE BASE CABINETS, ETC., SHALL HAVE ESCUTCHEON PLATES.
- PROVIDE ALL NECESSARY COMPONENTS FOR U.L. LISTED THROUGH PENETRATION SYSTEM AT RATED FLOORS, CEILING AND WALL PENETRATIONS IN ORDER TO MAINTAIN THE REQUIRED WALL ASSEMBLY RATING. REFER TO THE ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY LOCATIONS AND CONSTRUCTION.
- INSTALL ALL WORK SO THAT PARTS REQUIRING PERIODIC INSPECTION, OPERATION, MAINTENANCE, AND REPAIR ARE READILY ACCESSIBLE. INSTALL CONCEALED VALVES, EXPANSION JOINTS, CONTROLS, AND EQUIPMENT REQUIRING ACCESS IN LOCATIONS FREELY ACCESSIBLE THROUGH ACCESS DOORS NOT LESS THAN 18-INCHES BY 18-INCHES.
- PLUMBING CONTRACTOR SHALL PROVIDE P/T PORTS ADJACENT TO ALL TEMPERATURE SENSORS FOR VERIFICATION TESTING. COORDINATE WITH THE ATC CONTRACTOR FOR LOCATIONS.
- ALL PLUMBING FIXTURES, EQUIPMENT, AND DEVICES THAT CONTACT POTABLE WATER MUST BE LEAD FREE PER THE STATE REQUIREMENTS. POTABLE WATER SYSTEMS AND COMPONENTS SHALL COMPLY WITH NSF-61 - ANNEX G AND NSF-372.
- FIRE STOP AROUND PIPES PENETRATING FIRE RATED PARTITIONS. USE FIRE BARRIER PRODUCTS AS RECOMMENDED BY THE MANUFACTURER. REFER TO THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL MARK CEILING GRID TO INDICATE LOCATION OF VALVES AND EQUIPMENT LOCATED ABOVE THE CEILING AND REQUIRING ACCESS.
- ALL UNDER SLAB PIPING DRAINAGE PIPING SHALL BE CAST IRON UNLESS NOTED OTHERWISE.
- MINIMUM SIZE FOR ALL UNDERSLAB DRAINAGE AND VENT PIPING SHALL BE 2", UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE CLEANOUTS FOR ALL SANITARY, WASTE, DRAINAGE AND STORM WATER PIPING, ON VERTICAL STACKS THAT PENETRATE THE SLAB, CHANGE OF DIRECTIONS AND AS REQUIRED BY LOCAL ADOPTED PLUMBING CODE.
- NO PLASTIC PIPING SHALL BE ALLOWED IN PLENUM CEILINGS. ALL MATERIALS IN A PLENUM CEILING SHALL BE PLENUM RATED AND MUST MEET THE REQUIREMENTS OF ASTM E 84, AND HAVE A FLAME SPREAD/ SMOKE DEVELOPED VALUES OF 25/50 OR LESS.
- ANY EQUIPMENT REMOVED DURING DEMOLITION WORK SHALL BE RETAINED BY THE OWNER. ANY SUCH MATERIAL SHALL BE DELIVERED TO A LOCATION DESIGNATED BY THE OWNER. REMOVAL OF SUCH MATERIALS FROM THE JOB SITE SHALL BE THE CONTRACTORS RESPONSIBILITY.
- GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS, WHERE GAS PIPING CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A DRIP LEG THE FULL SIZE OF THE GAS PIPING (NOTE: DRIP LEG SHALL NOT BE INSTALLED IN AREA'S SUBJECT TO FREEZING PER NFPA 54). A 100% GAS COCK AND A UNION, ALL OUTSIDE GAS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED STEEL PIPE. ALL GAS PIPING INSTALLED BELOW SLAB SHALL BE SLEEVED AND HAVE NO JOINTS, ELBOWS, COUPLINGS, VALVES AND FITTINGS.
- REFER TO THE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL PIPE SIZES TO EACH PLUMBING FIXTURE.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS AND DETAILS.
- INSTALL ALL HANDICAPPED ACCESSIBLE FIXTURES IN ACCORDANCE WITH ADA, UFAS AND ANSI REQUIREMENTS.

GENERAL SYMBOLS

- THICK, DARK SOLID LINES INDICATE NEW ITEMS
- THIN, LIGHT LINES INDICATE EXISTING ITEMS TO REMAIN IN PLACE
- THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
- POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
- POINT OF DEMOLITION TO EXISTING CONNECTION
- SUB LETTERS "EX" INDICATES EXISTING EQUIPMENT TO REMAIN INTACT
- SUB LETTER "RX" INDICATES EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED

PLUMBING SYMBOLS

- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATING
- TEMPERED HOT WATER
- VENT
- SANITARY
- GREASE WASTE
- STORM WATER
- CONDENSATE DRAIN
- GAS
- FLOOR CLEANOUT
- FLOOR DRAIN
- FLOOR SINK
- EXTERIOR CLEANOUT
- TRAP PRIMER
- FLOOR RECEPTOR AND TRAP W/ TRAP PRIMER CONNECTION

FITTINGS AND VALVES

- PIPE ANCHOR
- BACKFLOW PREVENTER
- STRAINER OR STRAINER WITH BLOW-DOWN VALVE HOSE END, CAP AND CHAIN
- WALL CLEANOUT OR BLIND FLANGE
- "P" TRAP
- PIPE TEE DOWN
- STEEL PENETRATION / PIPE SLEEVE
- PIPE ELBOW UP OR PIPE TEE UP
- PIPE ELBOW DOWN
- COMPANION FLANGE
- PIPE CAP OR CAPPED END OF PIPE
- UNION
- PUMP
- WATER HAMMER ARRESTOR
- TAKEOFF FROM TOP OF MAIN PIPE
- TAKEOFF FROM BOTTOM OF MAIN PIPE
- DIRECTION OF FLUID FLOW
- VALVE ON RISER
- VALVE ON DROP
- METERING ORIFICE
- AIR VENT
- FLOW SENSOR
- PIPE DROP WITH VALVE
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- BALL VALVE
- CALIBRATED BALANCING VALVE
- SHUT-OFF VALVE (SEE SPECIFICATIONS FOR APPLICATION TYPE)
- BUTTERFLY VALVE
- CHECK VALVE
- THERMOSTATIC MIXING VALVE
- GLOBE VALVE
- GATE VALVE
- PRESSURE REDUCING VALVE
- GAS COCK
- OS&Y VALVE
- MOTORIZED BUTTERFLY VALVE
- PRESSURE RELIEF SAFETY VALVE
- AQUASTAT
- SOLENOID VALVE
- TEMPERATURE GAUGE
- PRESSURE GAUGE W/ NEEDLE VALVE
- FLEXIBLE CONNECTOR

ABBREVIATIONS

ABBREVIATION	DEFINITION
CW	COLD WATER
HW	HOT WATER
HW R	HOT WATER RECIRCULATING
V	VENT
SAN	SANITARY
GW	GREASE WASTE
SW	STORM WATER
CD	CONDENSATE DRAIN
G	GAS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
EXT CO	EXTERIOR CLEANOUT
TP	TRAP PRIMER
PC	PLUMBING CONTRACTOR
KEC	KITCHEN EQUIPMENT CONTRACTOR
ADA	AMERICANS WITH DISABILITY ACT
CO	CLEANOUT
DESIG	DESIGNATION
WTD	WATER TEMPERING DEVICE
IW	INDIRECT WASTE
TW	TEMPERED WATER
UDS	UTILITY DISTRIBUTION SYSTEM
ID	INSIDE DIAMETER
OD	OUTSIDE DIAMETER
TYP	TYPICAL
GA	GAUGE
W/	WITH
CONC	CONCRETE
CI	CAST IRON
DN	DOWN
REQD	REQUIRED
MIN	MINIMUM
MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR
FF/ FIN FLOOR	FINISHED FLOOR
SS	STAINLESS STEEL
SCH	SCHEDULE
H	HEIGHT
AGRU	AUTOMATIC GREASE RECOVERY UNIT
MTD	MOUNTED
PCD	PUMPED CONDENSATE DRAIN
PD	PUMPED DISCHARGE
VTR	VENT THRU ROOF
GWVTR	GREASE WASTE VENT THRU ROOF
OHD	OPEN HUB DRAIN
BWV	BACK WATER VALVE



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GL-2019-19

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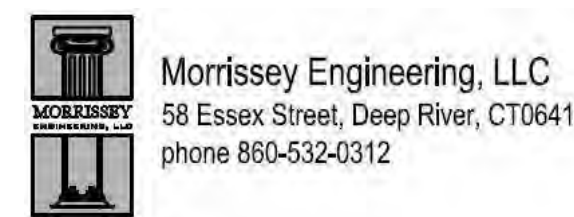
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Revisions

Issue Record

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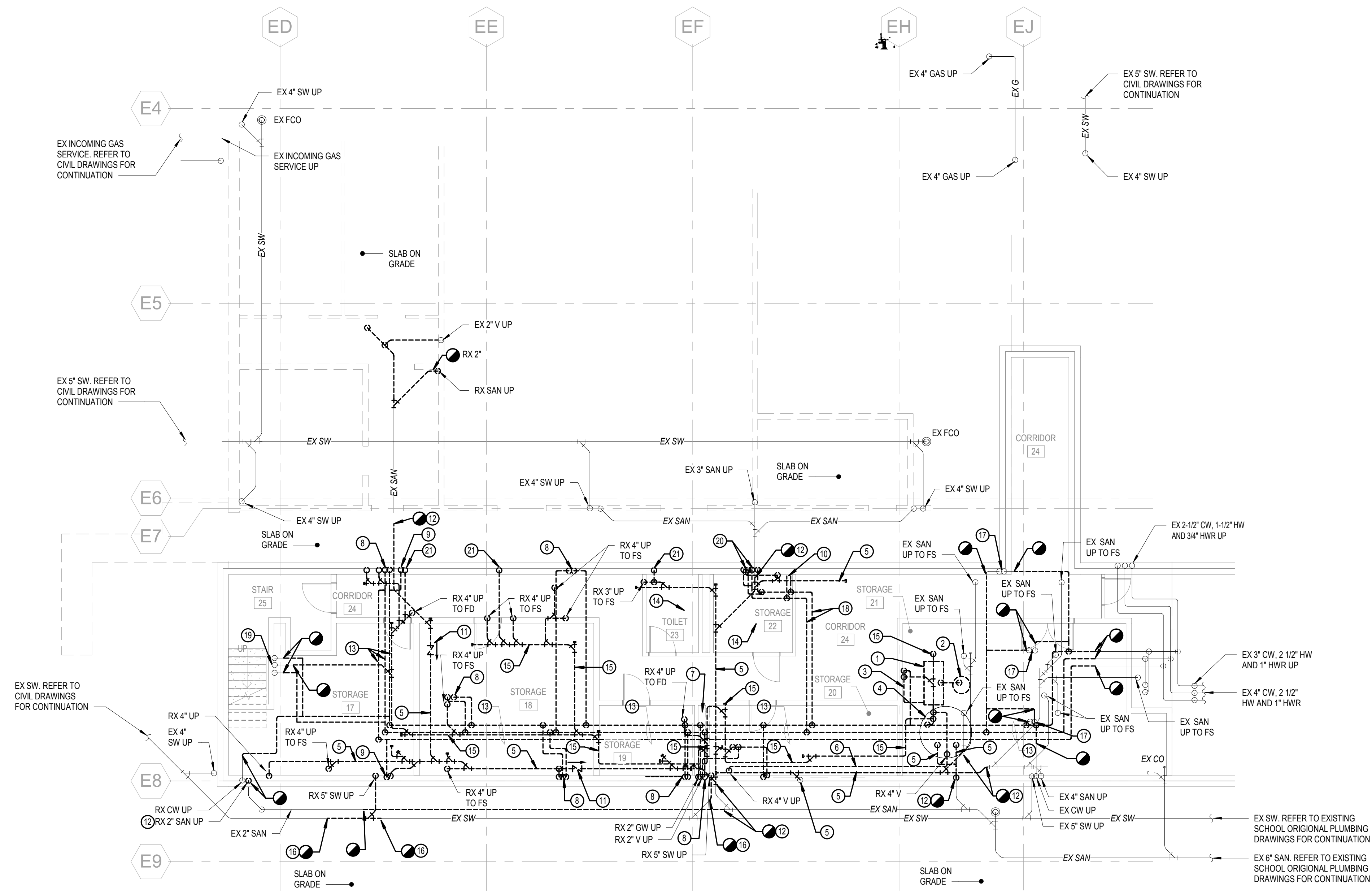
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PLUMBING GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

Drawing Number

P-000



1 BASEMENT PLUMBING PLAN - DEMOLITION
 PD-100 1/8" = 1'-0"

- PLUMBING DEMOLITION NOTES**
- 1 RX FLOOR MOUNTED AGRU TYPE GREASE INTERCEPTOR AND ALL ASSOCIATED PIPING, VALVES AND SUPPORTS. COORDINATE WITH THE OWNER FOR DISPOSAL OF ANY GREASE WASTE IN THE AGRU, PRIOR TO REMOVAL OF AGRU.
 - 2 RX 55 GALLON GREASE DRUM AND ASSOCIATED PIPING. COORDINATE WITH THE OWNER FOR THE DISPOSAL OF ALL COLLECTED GREASE IN THE 55 GALLON DRUM.
 - 3 RX WALL MOUNTED REDUCED PRESSURE BACKFLOW PREVENTER AND ALL ASSOCIATED PIPING SERVING AGRU.
 - 4 RX SEWAGE GRINDER PUMPS AND ALL ASSOCIATED PIPING, VALVES, CONTROLS AND MOTORS. EXISTING PIT AND COVER SHALL REMAIN. CONTRACTOR SHALL LEAVE THE EXISTING TEMPORARY SUBMERSIBLE TYPE GRINDER PUMP AND ASSOCIATED PIPING IN PLACE FOR REMOVAL OF ANY SEWAGE WATER THAT WILL COLLECT IN THE EXISTING SEWAGE PIT. REMOVE TEMPORARY PUMPING SYSTEM WHEN READY TO INSTALL NEW DUPLEX SEWAGE EJECTION PUMP ASSEMBLY.
 - 5 RX SANITARY PIPING AND ALL ASSOCIATED SUPPORTS AND HARDWARE.
 - 6 RX V PIPING AND ALL ASSOCIATED SUPPORTS AND HARDWARE.
 - 7 RX PIPING IN OLD WET WALL CHASE. PIPING SHALL BE REMOVED TO BACK UNDER EX SLAB AND PIPES CAPPED.
 - 8 RX CW AND HW PIPING UP THRU SLAB.
 - 9 RX CW PIPING UP THRU SLAB.
 - 10 RX 1/2" HORIZONTAL PIPING BACK TO VERTICAL DROPS.
 - 11 RX SANITARY BACK WATER VALVE.
 - 12 RX 4" SANITARY BACK TO THIS POINT.
 - 13 RX CW, HW AND HWR PIPING AND ALL ASSOCIATED HANGERS AND SUPPORTS.
 - 14 EXISTING PLUMBING FIXTURES IN THIS ROOM TO REMAIN.
 - 15 RX GREASE WASTE PIPING AND ALL ASSOCIATED HANGERS AND SUPPORTS.
 - 16 RX SW BACK TO THIS POINT.
 - 17 EX CW AND HW UP THRU SLAB TO REMAIN.
 - 18 RX CW, HW PIPING AND ALL ASSOCIATED HANGERS AND SUPPORTS.
 - 19 EX CW, HW AND SAN UP THRU THE SLAB TO REMAIN AND BE ABANDONED IN PLACE.
 - 20 RX SAN, CW AND HW PIPING UP THRU THE SLAB.
 - 21 RX V PIPING UP THRU THE SLAB.
 - 22 RX SAN BACK TO THIS LOCATION AND CAP EXISTING PIPE.

- PLUMBING DEMOLITION GENERAL NOTES**
- A. PIPING THAT IS INDICATED TO BE REMOVED AND PASSES THRU AN EXISTING WALL OR SLAB TO REMAIN, CONTRACTOR SHALL REMOVE SUCH ITEM AND THEN PATCH THE OPEN VOID IN THE SLAB/WALL, TO MATCH THE EXISTING.

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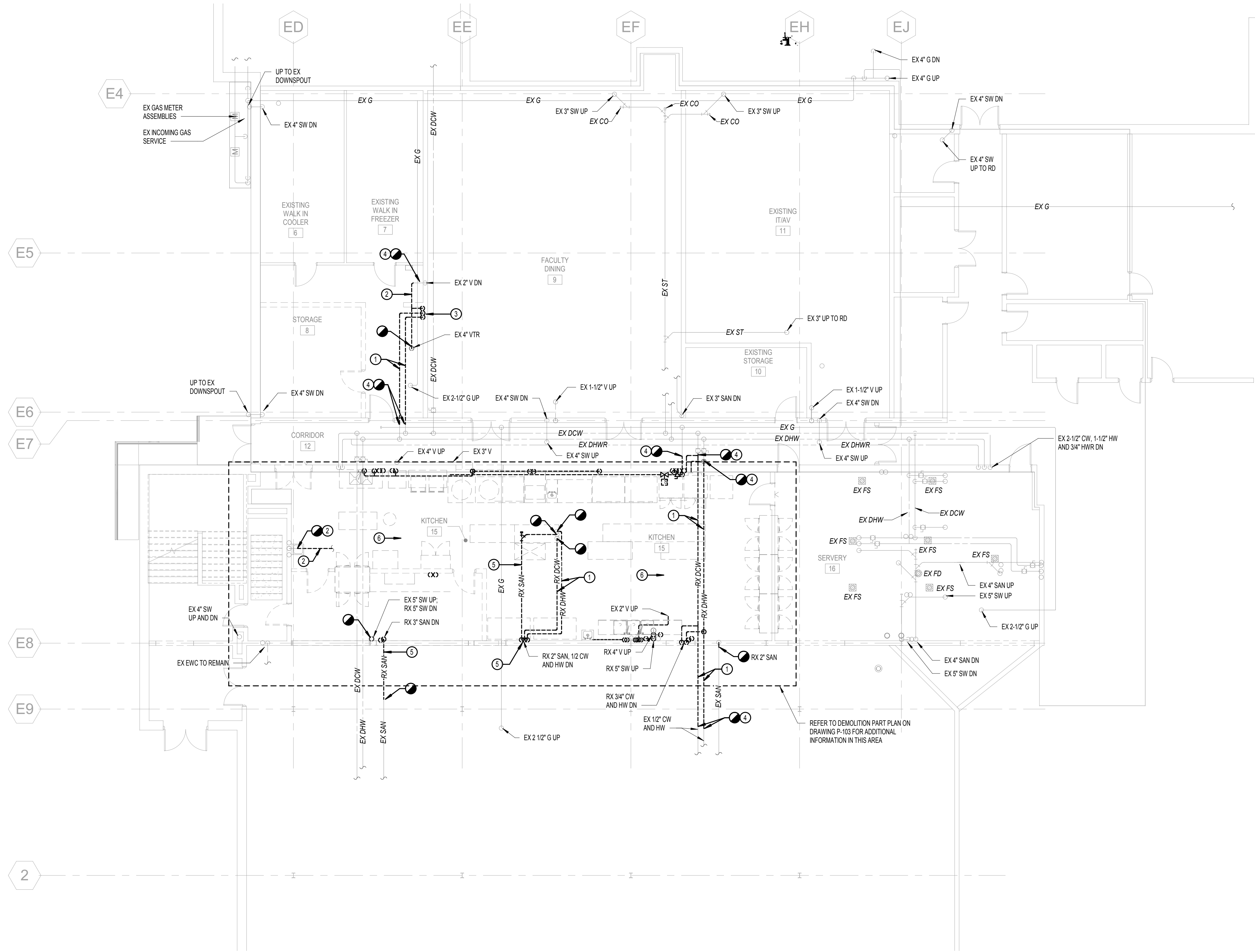
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BASEMENT PLUMBING DEMOLITION PLAN

Drawing Number

PD-100



1 FIRST FLOOR PLUMBING PLAN - DEMOLITION
PD-101 1/8" = 1'-0"

- PLUMBING DEMOLITION NOTES**
- 1 RX CW AND HW PIPING AND ALL ASSOCIATED HANGER AND SUPPORT HARDWARE.
 - 2 RX V PIPING AND ALL ASSOCIATED HANGERS AND SUPPORT HARDWARE BACK TO LOCATION INDICATED ON DRAWING AND CAP PIPE.
 - 3 RX V, SAN, CW AND HW PIPING DN. SANITARY PIPING TO BE REMOVED BACK TO BELOW SLAB AND CAP PIPE.
 - 4 RX PIPING BACK TO THIS POINT AND CAP PIPE.
 - 5 RX SAN PIPING AND ALL ASSOCIATED HANGERS AND SUPPORT HARDWARE BACK TO POINT INDICATED ON DRAWING.
 - 6 EX KITCHEN EQUIPMENT TO BE REMOVED AS INDICATED ON ARCHITECTURAL DRAWINGS IN THIS AREA. RX PIPE CONNECTIONS, HOSES, DRAINS, VALVES AND ALL ASSOCIATED PLUMBING TO KITCHEN EQUIPMENT BEING REMOVED.

- PLUMBING DEMOLITION GENERAL NOTES**
- A. ALL PIPING AND FLOOR RECEPTORS THAT ARE INDICATED TO BE REMOVED. CONTRACTOR SHALL REMOVE SUCH ITEM AND THEN PATCH THE OPEN VOID IN THE SLAB/ WALL, TO MATCH THE EXISTING.

Kitchen Code Violation Project

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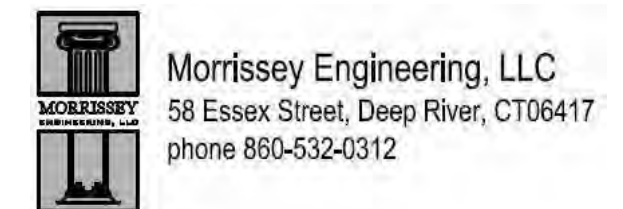
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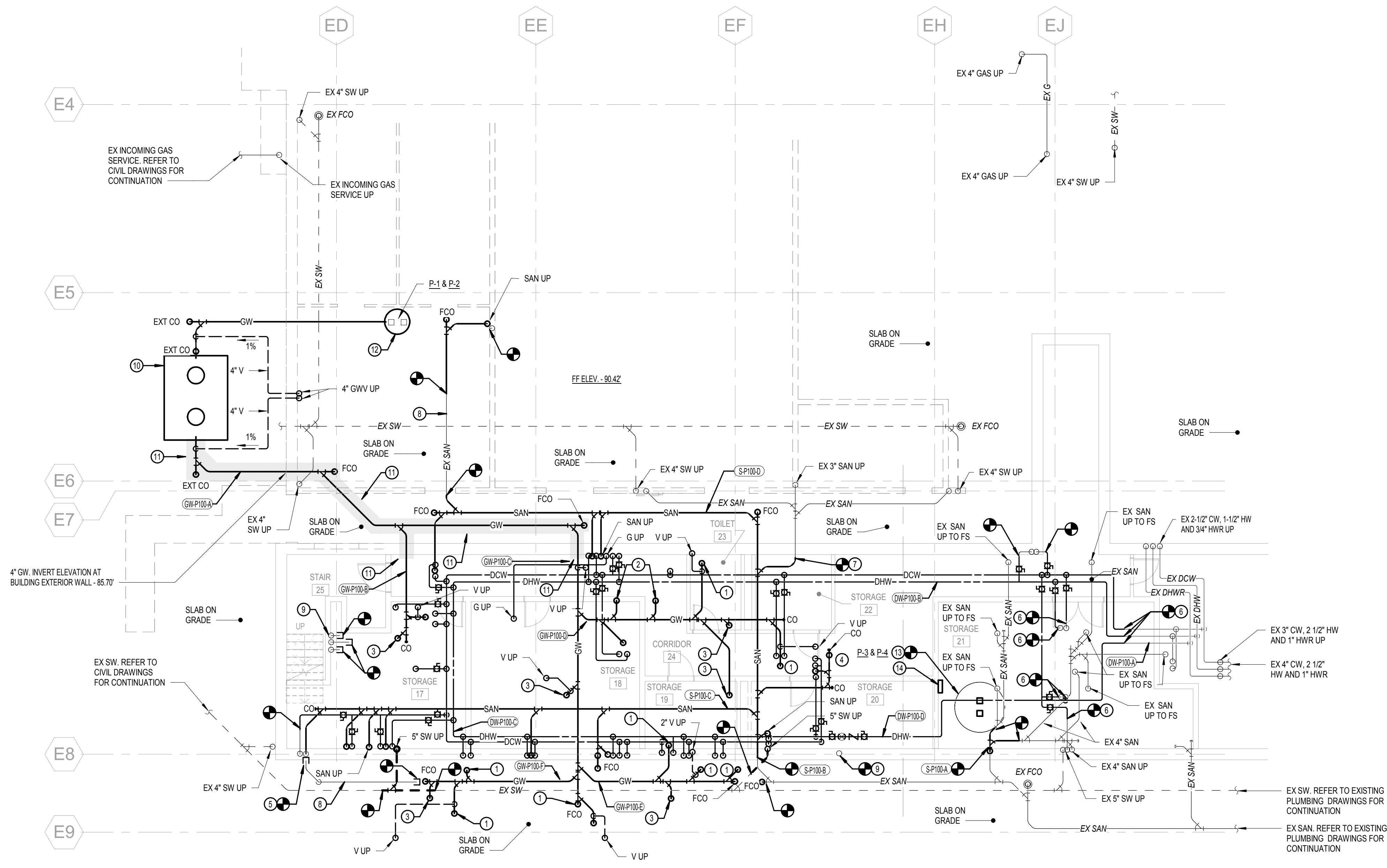
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FIRST FLOOR PLUMBING DEMOLITION PLAN

Drawing Number

PD-101



1 BASEMENT PLUMBING PLAN - NEW WORK
P-100 1/8" = 1'-0"

- PLUMBING DRAWING NOTES**
- 1 GW UP TO FS.
 - 2 GW UP TO FLOOR TROUGH.
 - 3 GW UP TO FD.
 - 4 SAN UP TO FD.
 - 5 SAN UP TO EXISTING EWC SANITARY PIPE CONNECTION. CONNECT NEW TO EX.
 - 6 EXTEND NEW CW AND HW AND CONNECT TO EX CW AND HW PIPING. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND PIPE SIZE IN THE FIELD.
 - 7 EXTEND NEW SAN AND CONNECT TO EX SANITARY PIPING. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD.
 - 8 EX PIPING BELOW SLAB SHALL BE ABANDONED IN PLACE.
 - 9 EX PIPING IN WALL TO BE ABANDONED IN PLACE.
 - 10 2000 GALLON TRAFFIC RATED CONCRETE GREASE INTERCEPTOR AND ASSOCIATED MANWAYS, RINGS AND LIDS ARE FURNISHED AND INSTALLED BY THE CIVIL CONTRACTOR AND ARE INDICATED ON THE PLUMBING DRAWINGS FOR REFERENCE AND COORDINATION PURPOSES ONLY.
 - 11 CONTRACTOR SHALL HEAT TRACE, INSULATE AND FOIL WRAP (MAKE WATER TIGHT) FOR GREASE WASTE PIPING AS INDICATED IN SHADED AREA ON THE DRAWING. REFER TO DETAIL FOR ADDITIONAL INFORMATION. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR.
 - 12 GREASE INTERCEPTOR WASTE DUPLEX GRINDER PUMP ASSEMBLY AND BASIN. REFER TO DETAIL AND SCHEDULE FOR ADDITIONAL INFORMATION.
 - 13 EXISTING SEWAGE EJECTOR PIT AND COVER. FURNISH AND INSTALL A COMPLETE NEW DUPLEX SEWAGE EJECTOR PUMP SYSTEM INCLUDING PUMPS, CONTROLS, 4 FLOATS, GUIDE RAILS, AND ALL ASSOCIATED PIPING, VALVES AND ACCESSORIES. REFER TO DETAIL AND SCHEDULE FOR ADDITIONAL INFORMATION.
 - 14 DUPLEX SEWAGE DUPLEX EJECTOR PUMP CONTROL PANEL MOUNTED ON WALL. BOTTOM OF PANEL SHALL BE INSTALLED A MINIMUM, 48" AFF.

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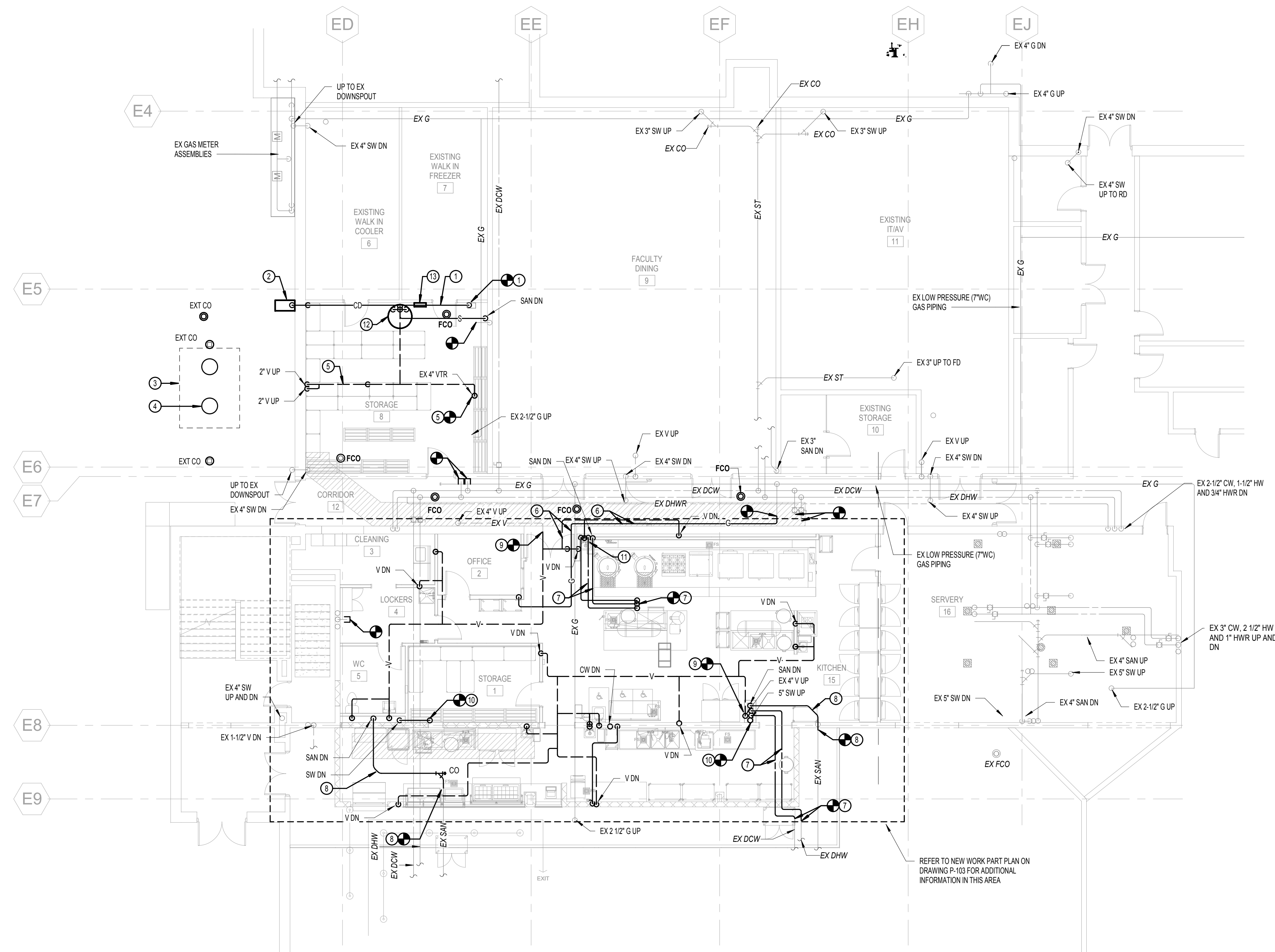
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BASEMENT PLUMBING PLAN

Drawing Number

P-100



1 FIRST FLOOR PLUMBING PLAN - NEW WORK
P-101 1/8" = 1'-0" (CEILING TO BOTTOM OF ROOF/DECK ABOVE)

PLUMBING GENERAL NOTES

A. EXACT LOCATION OF ALL FLOOR SINKS, FLOOR DRAINS, FLOOR CLEAN OUTS, FLOOR TROUGHS AND PIPING, SHALL BE COORDINATED WITH THE EXISTING STRUCTURAL BEAMS/SUPPORTS IN THE FIELD AND WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, PRIOR TO CONTRACTOR CUTTING OR CORE DRILLING EXISTING SLAB.

- PLUMBING DRAWING NOTES**
- FURNISH AND INSTALL NEW 1/2" CD PIPING. PIPING SHALL BE SLOPED TOWARDS POINT OF DISCHARGE AT A MINIMUM OF 1% SLOPE.
 - CD PIPING DN ALONG EXTERIOR WALL AND EXTEND THRU EXTERIOR WALL TO DISCHARGE W/ 90 DEGREE ELBOW ONTO 23"X13" CONCRETE SPLASH BOCK. PC TO FURNISH AND INSTALL CONCRETE SPLASH BLOCK.
 - OUTLINE OF 2000 GALLON H2O TRAFFIC RATED GREASE INTERCEPTOR BELOW GRADE. GREASE INTERCEPTOR IS FURNISHED AND INSTALLED BY CIVIL CONTRACTOR AND IS INDICATED HERE FOR REFERENCE ONLY.
 - GREASE INTERCEPTOR MANWAYS AND H2O TRAFFIC RATED RINGS AND LIDS (TYP OF 2), MANWAYS, RINGS AND LIDS IS FURNISHED AND INSTALLED BY CIVIL CONTRACTOR AND IS INDICATED HERE FOR REFERENCE ONLY.
 - EXTEND GREASE INTERCEPTOR VENT PIPING AND CONNECT TO EX 4" VTR. VENT PIPING SHALL BE SLOPED BACK TOWARDS GREASE INTERCEPTOR AT A MINIMUM OF 1% SLOPE.
 - INSTALL GAS AND VENT PIPING SO AS TO AVOID ALL EXISTING AND NEW DUCTWORK. THE SPACE ABOVE THE CEILING IN THIS AREA IS LIMITED AND TIGHT. PC SHALL FIELD INVESTIGATE EXISTING PIPE LOCATIONS AND SIZES PRIOR TO INSTALLATION OF ANY NEW WORK. COORDINATE INSTALLATION OF NEW PIPING IN THE FIELD WITH ALL DUCTWORK, PIPING AND ELECTRICAL ABOVE THE CEILING.
 - EXTEND CW, HW, AND SAN AND CONNECT TO EXISTING. PC SHALL FIELD INVESTIGATE TO DETERMINE THE EXISTING PIPE LOCATION AND SIZE IN THE FIELD. NEW PIPING SHALL BE SAME SIZE AS THE EXISTING PIPING.
 - EXTEND SAN AND CONNECT TO EXISTING. PC SHALL FIELD INVESTIGATE TO DETERMINE THE EXISTING PIPE LOCATION AND SIZE IN THE FIELD. NEW PIPING SHALL BE SAME SIZE AS THE EXISTING PIPING.
 - EXTEND VENT AND CONNECT TO EXISTING. PC SHALL FIELD INVESTIGATE TO DETERMINE THE EXISTING PIPE LOCATION AND SIZE IN THE FIELD. NEW PIPING SHALL BE SAME SIZE AS THE EXISTING PIPING.
 - EXTEND SW AND CONNECT TO EXISTING. PC SHALL FIELD INVESTIGATE TO DETERMINE THE EXISTING PIPE LOCATION AND SIZE IN THE FIELD. NEW PIPING SHALL BE SAME SIZE AS THE EXISTING PIPING.
 - PROVIDE 12"X12" ACCESS DOOR UNDER HAND SINK FOR ACCESS TO CW AND HW SHUT-OFF VALVES.
 - FURNISH AND INSTALL COMPLETE DUPLEX SEWAGE EJECTOR SYSTEM INCLUDING PUMPS, CONTROLS, 4 FLOATS, GUIDE RAILS, BASIN, COVER AND ALL PIPING, VALVES AND ACCESSORIES. REFER TO SCHEDULE AND DETAIL FOR ADDITIONAL INFORMATION.
 - DUPLEX GRINDER PUMP CONTROL PANEL MOUNTED TO WALK-IN FREEZER/ REFRIGERATOR OUTER WALL PANEL. BOTTOM OF PANEL SHALL BE INSTALLED A MINIMUM 48" AFF.

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

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Revisions

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Seal

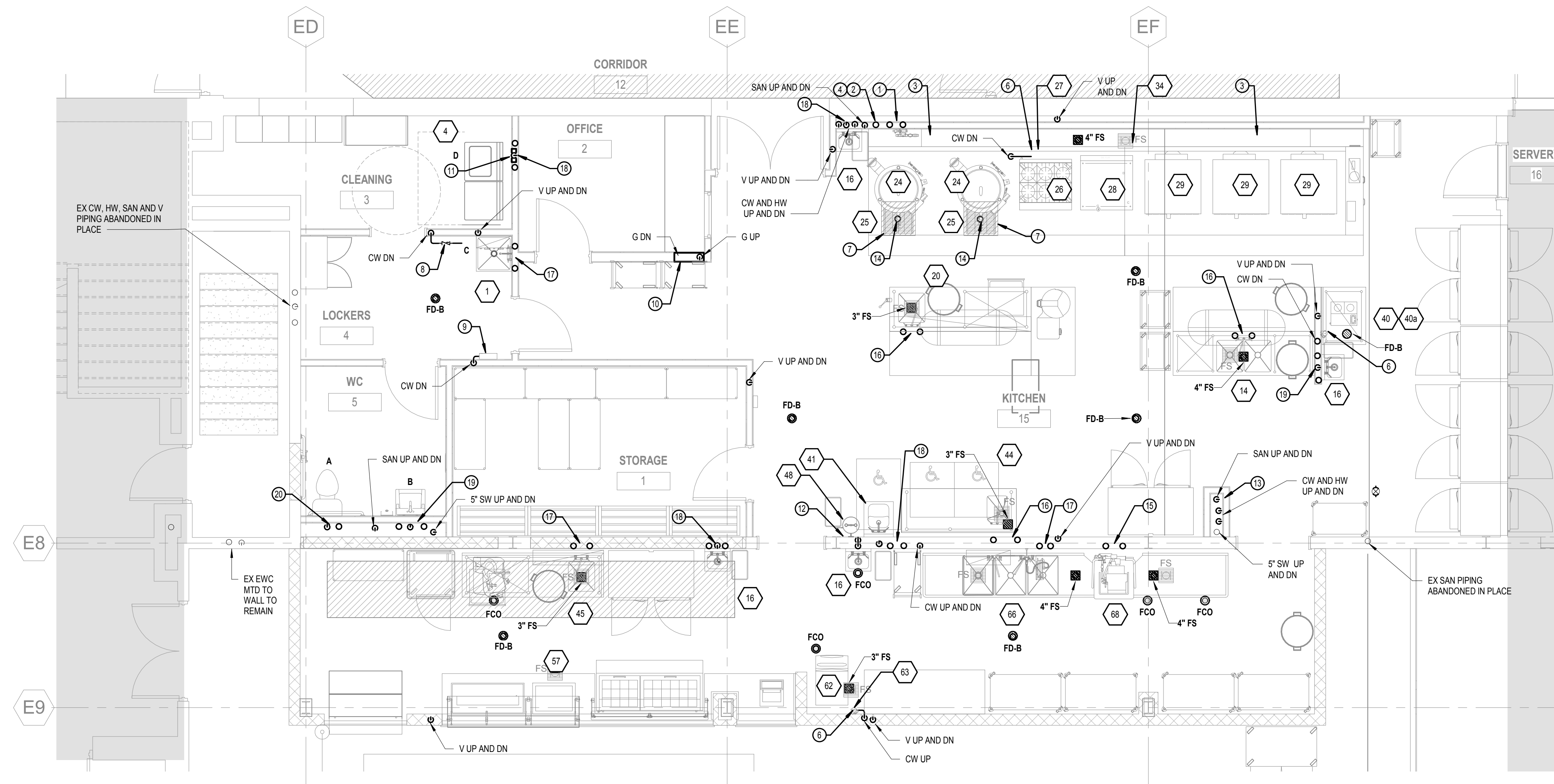
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	DFF
Checked	LMD
Drawing Name	

FIRST FLOOR PLUMBING PLAN

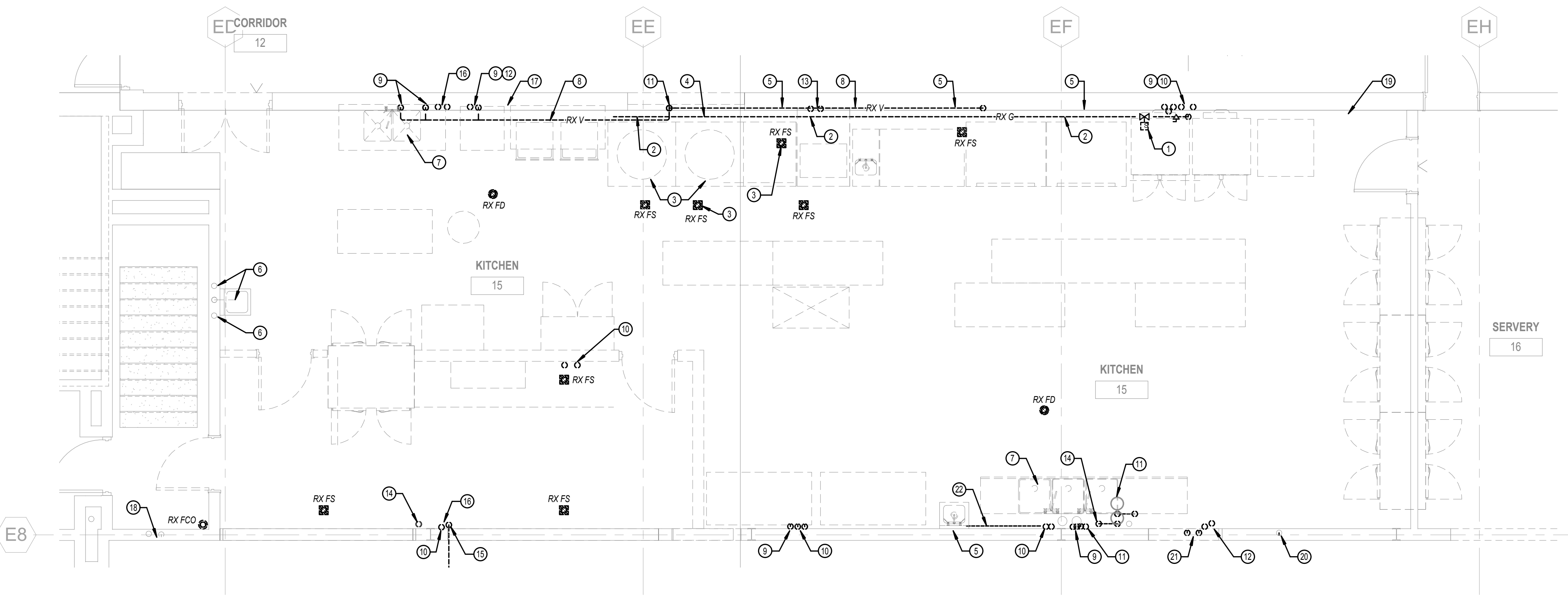
Drawing Number

P-101



1 KITCHEN PLUMBING PART PLAN - NEW WORK
P-103 1/4" = 1'-0" (FF TO UNDERSIDE OF CEILING)

- PLUMBING PART PLAN NEW WORK NOTES**
- CW AND HW UP FROM BASEMENT LEVEL BELOW. EXTEND CW, HW AND CONNECT TO THE CW AND HW CONNECTIONS INSIDE UDS.
 - GAS UP FROM THE BASEMENT LEVEL BELOW. EXTEND GAS PIPING AND CONNECT TO GAS PIPING CONNECTION INSIDE UDS.
 - PLUMBING CONTRACTOR SHALL MAKE ALL PLUMBING CONNECTIONS BETWEEN THE UDS AND THE KITCHEN EQUIPMENT UNDER THE HOODS. REFER TO NOTE NUMBER 2 ON THE KITCHEN EQUIPMENT PLUMBING SCHEDULE FOR ADDITIONAL INFORMATION.
 - GAS SOLENOID SHUTOFF VALVE W/ MANUAL GAS RESET BUTTON LOCATED IN THE UDS RISER. SHALL BE PROVIDED BY KEC AND INSTALLED INSIDE THE UDS BY THE PC. THE GAS SOLENOID VALVE SHALL BE INTERLOCKED WITH THE HOOD ANSUL SYSTEM.
 - PROVIDE (2) 1" DRAIN PIPES AND EXTEND TO DISCHARGE INDIRECTLY INTO THE FLOOR SINK W/ AIR GAP.
 - PROVIDE CW TO THE INLET AND FROM THE OUTLET OF THE WATER FILTRATION UNIT. MAKE CW FINAL CONNECTION TO THE DESIGNATED KITCHEN EQUIPMENT WITH STAINLESS STEEL FLEXIBLE BRAIDED HOSE WITH QUICK DISCONNECT FITTINGS.
 - COORDINATE THE EXACT LOCATIONS OF THE FLOOR TROUGHS WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO SAW CUTTING THE SLAB. INSTALL AND SUPPORT PER THE MANUFACTURERS RECOMMENDATIONS AND THE STRUCTURAL DRAWINGS.
 - PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER (ASSE 1013) FOR CW SUPPLY TO WALL MOUNTED CHEMICAL DISPENSING UNIT (BY OTHERS). EXTEND DRAIN TO DISCHARGE INTO MOP SINK INDIRECTLY W/ AIR GAP. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT IN THE FIELD WITH THE INSTALLATION OF THE CHEMICAL DISPENSING UNIT.
 - TRAP PRIMING STATION. MOUNT FROM WALL W/ BOTTOM OF UNIT 48" AFF.
 - EMERGENCY GAS SOLENOID AND MANUAL VALVE SHUT-OFF BOX. INTERLOCK WITH EMERGENCY GAS SHUT-OFF BUTTONS, KITCHEN ANSUL SYSTEM AND ELECTRICAL SHUNT TRIP BREAKER. REFER TO ELECTRICAL DRAWING FOR ADDITIONAL INFORMATION.
 - WASHING MACHINE DISCHARGE AND SUPPLY BOX RECESSED IN WALL. REFER TO WASHING MACHINE INSTALLATION GUIDELINES FOR THE REQUIRED MOUNTING HEIGHT OF RECESSED BOX.
 - KEC SHALL FURNISH EMERGENCY EYE/ FACE WASH STATION AND HW TEMPERING DEVICE (WTD). PC SHALL INSTALL EWC AND WTD PER THE MANUFACTURERS INSTALLATION GUIDELINES AND ARCHITECTURAL AND KITCHEN CONSULTANT DRAWINGS. PC SHALL FURNISH CW, HW, TW, SAN AND VENT PIPING AND MAKE ALL PLUMBING CONNECTIONS.
 - CONTRACTOR SHALL FIELD VERIFY AND COORDINATE THE NEW SW, SAN, VENT, CW AND HW PIPING INSTALLATION IN THE FIELD WITH THE ARCHITECTURAL CHASE AND THE EXISTING PIPING LOCATIONS ABOVE THE CEILING. ALL NEW VERTICAL PIPING SHALL BE LOCATED WITHIN THE NEW CHASE.
 - MAKE ALL FINAL CONNECTIONS TO THE FLOOR TROUGH.
 - CW AND HW PIPE STUBS UP FROM BASEMENT LEVEL. PROVIDE WITH SHUT-OFF VALVES AND LEAD FREE WATER HAMMER ARRESTORS, WATTS SERIES LF15M2 OR EQUAL TO WILKINS AND SIOUX CHIEF.
 - CW AND HW PIPE STUBS, UP FROM THE BASEMENT LEVEL. PROVIDE WITH SHUT-OFF VALVES.
 - CW AND HW UP IN WALL FROM THE BASEMENT LEVEL. COORDINATE PIPING ROUGH-IN HEIGHTS WITH THE NEW KITCHEN EQUIPMENT LOCATIONS AND ELEVATIONS.
 - CW AND HW DN. EXTEND IN WALL TO SINKS AND EMERGENCY EYE/ FACE WASH.
 - CW, HW, SAN AND VENT CONNECTION FOR FIXTURE.
 - CW, SAN AND VENT CONNECTION FOR WC. PROVIDE WATER HAMMER ARRESTOR FOR CW SERVING WC.



2 KITCHEN PART PLAN - DEMOLITION
P-103 1/4" = 1'-0" (FF TO UNDERSIDE OF CEILING)

- PLUMBING DEMOLITION GENERAL NOTES**
- ALL PIPING AND FLOOR RECEPTORS THAT ARE INDICATED TO BE REMOVED, CONTRACTOR SHALL REMOVE SUCH ITEM AND THEN PATCH THE OPEN VOID IN THE SLAB/ WALL, TO MATCH THE EXISTING.

- PLUMBING PART PLAN DEMOLITION NOTES**
- RX EMERGENCY GAS SOLENOID VALVE AND ALL ASSOCIATED PIPING, VALVES AND SUPPORTS.
 - RX GAS MANIFOLD MTD TO WALL AND ALL ASSOCIATED PIPING, VALVES, HOSES AND SUPPORTS.
 - RX INDIRECT WASTE PIPING DISCHARGING INTO EXISTING FLOOR SINK.
 - RX WALL MOUNTED WATER FILTRATION UNIT AND ALL ASSOCIATED PIPING, HARDWARE AND SUPPORTS.
 - RX HORIZONTAL SAN AND VENT PIPING, SUPPORTS, CW AND HW PIPING MTD TO WALL AND ALL ASSOCIATED HOSES, VALVES AND SUPPORTS.
 - RX SAN, CW, HW PIPING BACK TO WITHIN EX WALL AND CAP PIPES; PATCH WALL TO MATCH EXISTING.
 - RX SAN, VENT, CW AND HW PIPING SERVING SINKS AND GARBAGE DISPOSAL.
 - RX HORIZONTAL VENT, CW, HW PIPING AND ALL SUPPORTS.
 - RX SANITARY PIPING DN THRU SLAB.
 - RX CW AND HW PIPING DN THRU SLAB.
 - RX VENT PIPING TO JUST ABOVE THE CEILING AND DN THRU THE SLAB.
 - RX SAN PIPING DN THRU THE SLAB.
 - RX PIPING DN THRU THE SLAB.
 - RX 5" SW PIPING DN THRU THE SLAB AND UP TO JUST ABOVE THE CEILING.
 - RX 3" SAN PIPING DN THRU THE SLAB AND UP TO JUST ABOVE THE CEILING.
 - RX DRAIN PIPING DN THRU THE SLAB.
 - RX MIXING VALVE AND ALL ASSOCIATED PIPING AND SUPPORTS.
 - EX VENT AND CW CONNECTIONS IN EX WALL, SERVING EXISTING EWC, SHALL REMAIN. RX SAN UP TO BE ABLE TO MAKE A NEW SANITARY CONNECTION TO EX SANITARY IN WALL.
 - RX KITCHEN HOOD FIRE SUPPRESSION SYSTEM AND ALL ASSOCIATED PIPING, VALVES, SUPPORTS AND HARDWARE.
 - EXISTING SANITARY PIPING IN WALL TO BE ABANDONED IN PLACE AND BOTH ENDS CAPPED.
 - EXISTING CW AND HW DN IN WALL TO BE REMOVED.
 - RX SAN, VENT, CW AND HW HORIZONTAL PIPING, SUPPORTS AND HARDWARE SERVING EX HAND SINK AND EX THREE COMPARTMENT SINK.

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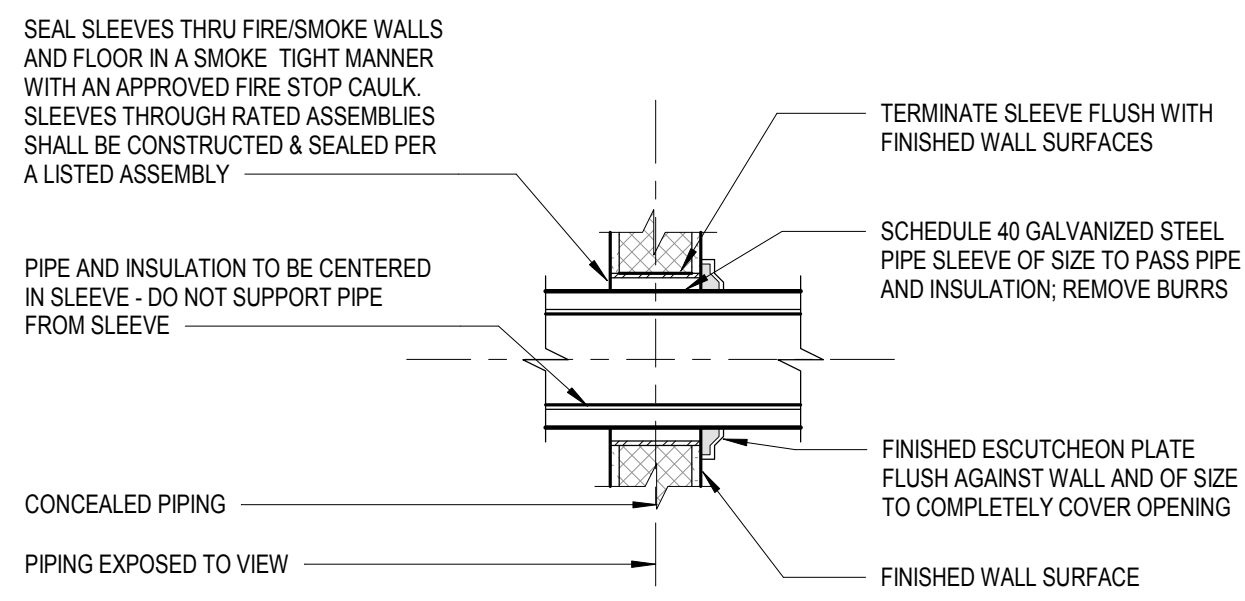
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Job Number	GL-2019-19
Scale	As indicated
Drawn	DFE
Checked	LMD
Drawing Name	

KITCHEN PLUMBING PART PLANS

Drawing Number

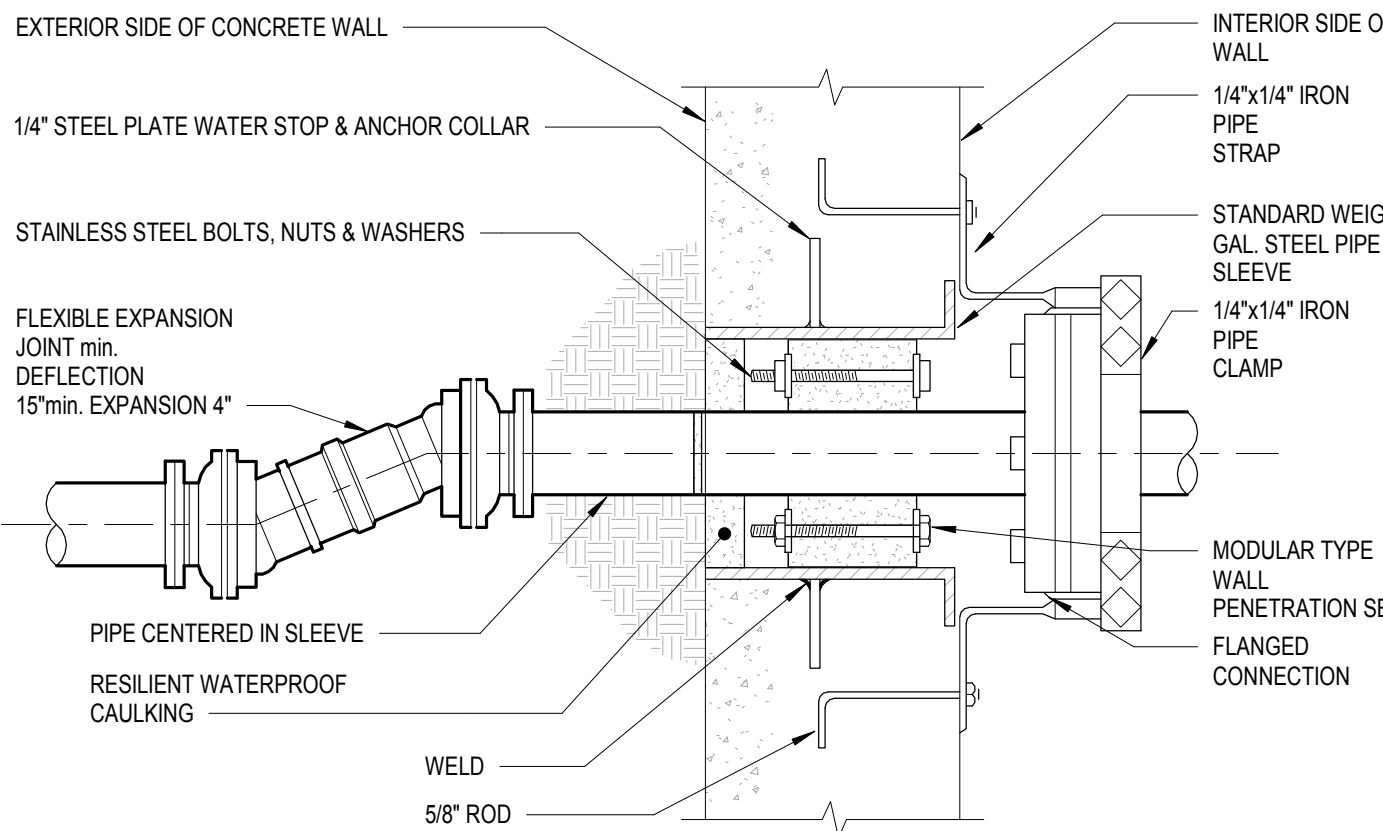
P-103

2'
1'
0 1/2'

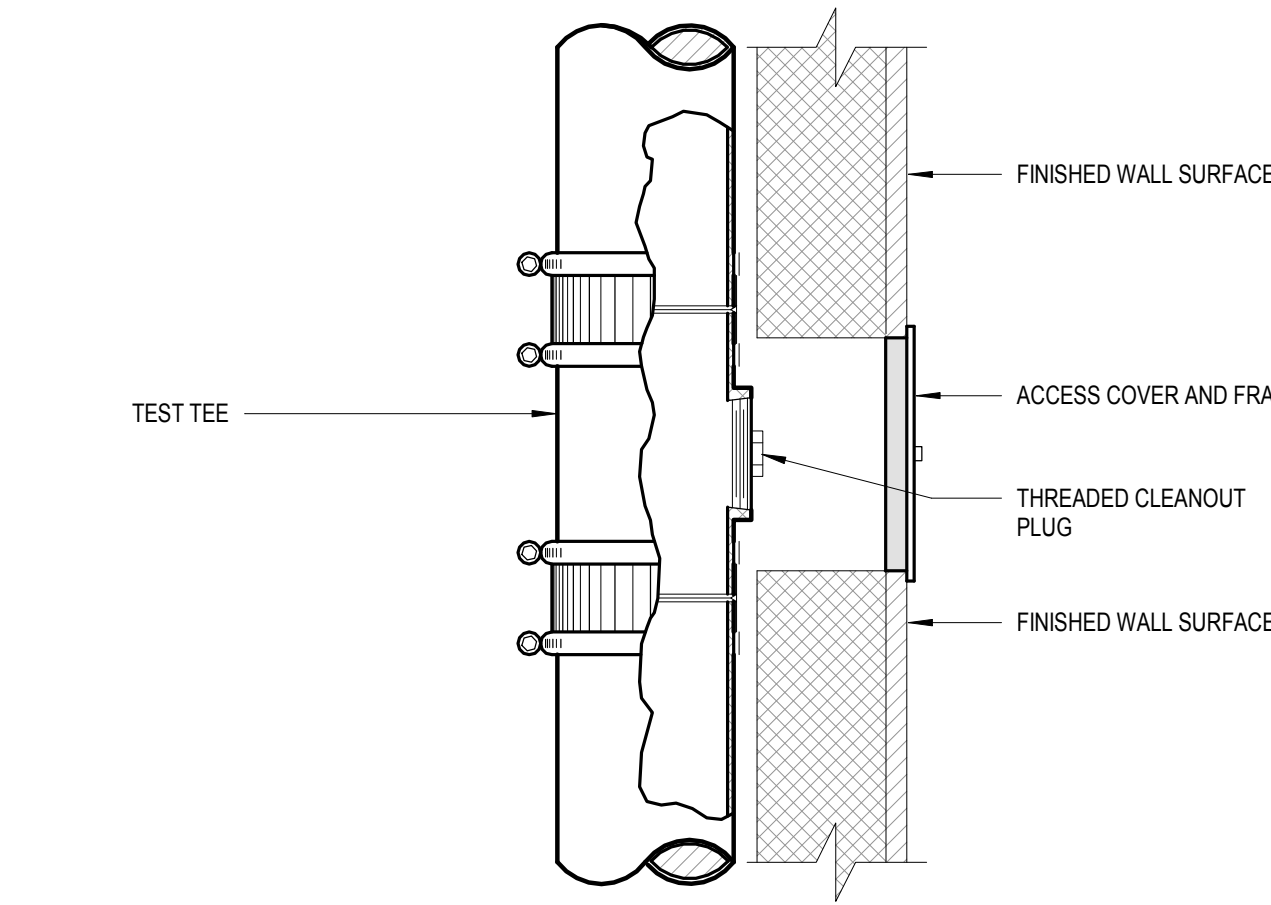


NOTE:
FOR INTERIOR FRAME PARTITIONS-PIPE SLEEVES MAY BE FABRICATED FROM GALVANIZED SHEET METAL, ROUND TUBE CLOSED WITH SNAPLOCK JOINT, WELDED SPIRAL SEAMS, OR WELDED LONGITUDINAL JOINT. FABRICATE FROM THE FOLLOWING GAUGES: 3" AND SMALLER, 20 GAUGE; 4" TO 6", 16 GAUGE; OVER 6", 14 GAUGE.

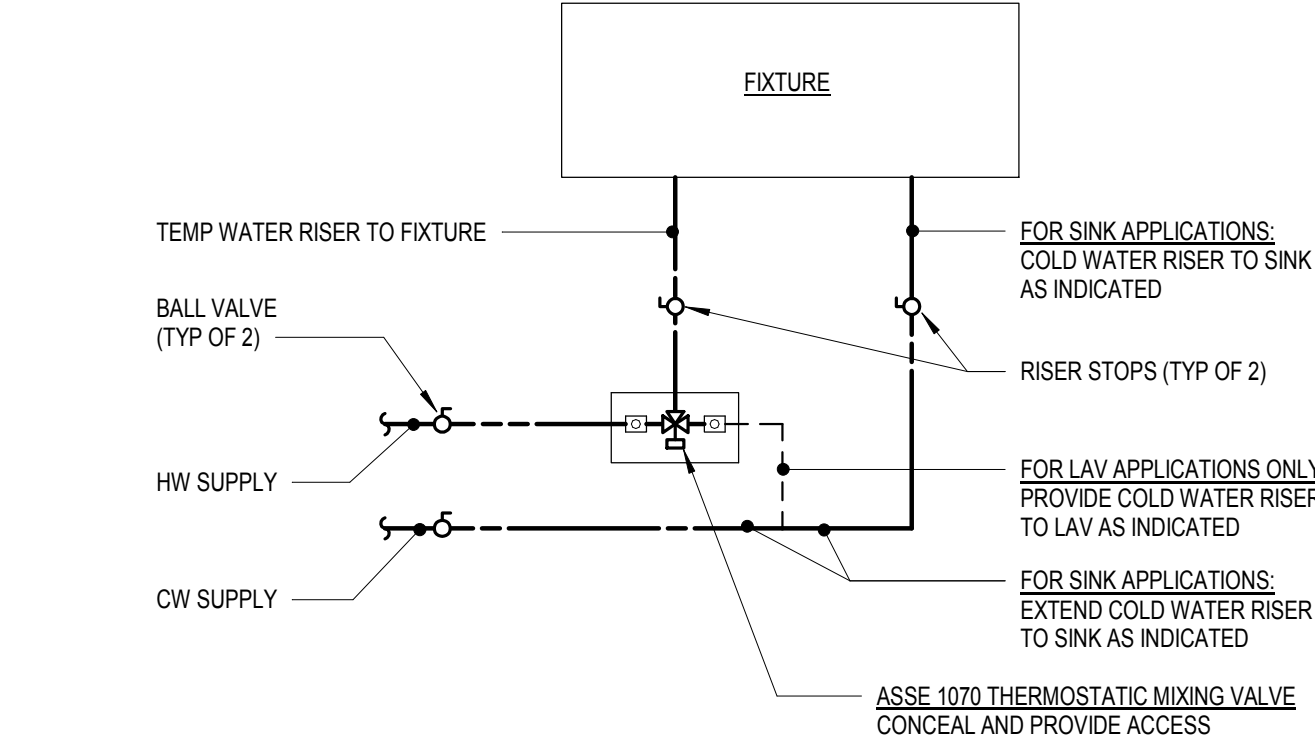
1 TYPICAL PIPE SLEEVE THROUGH INTERNAL WALL DETAIL
P-401 NONE



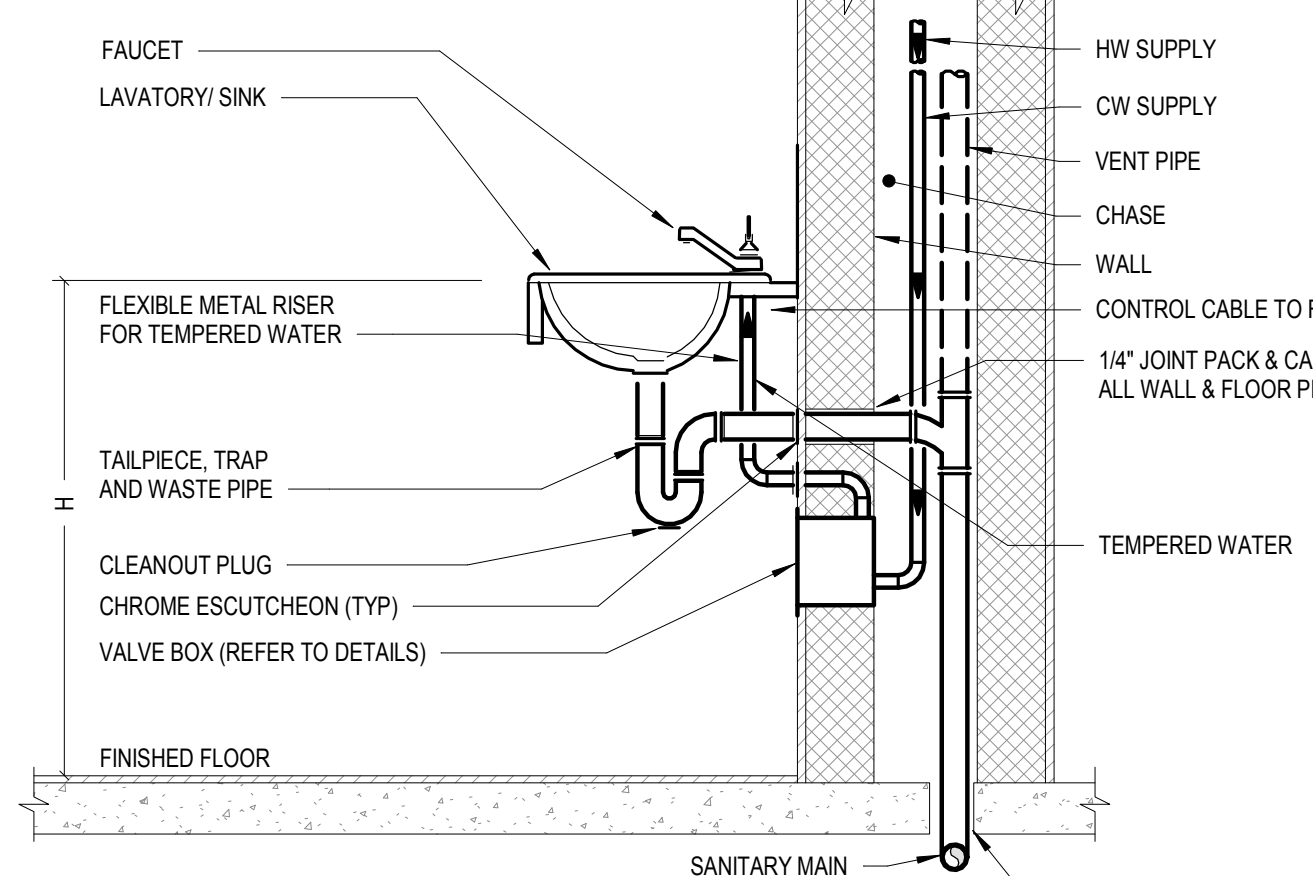
2 TYPICAL PIPE PENETRATION THROUGH WALLS BELOW GRADE
P-401 NONE



3 TYPICAL INTERIOR WALL CLEANOUT W/ACCESS COVER DETAIL
P-401 NONE

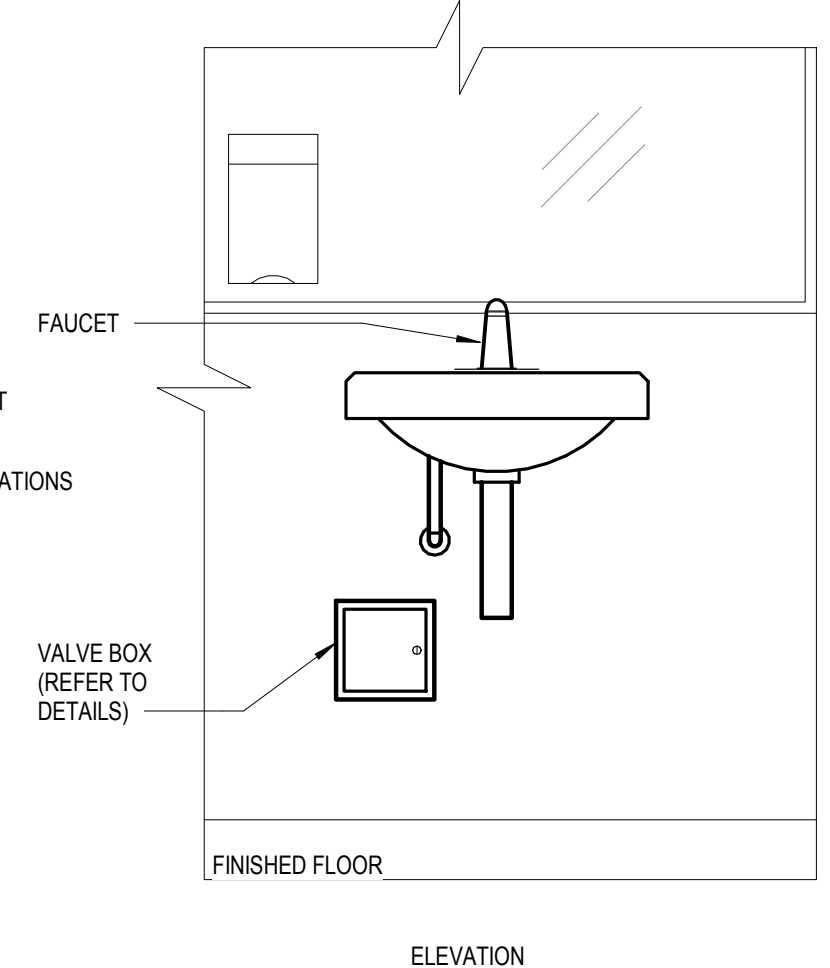


4 LAVATORY AND SINK 'ASSE 1070' MIXING VALVE INSTALLATION DETAIL
P-401 NONE

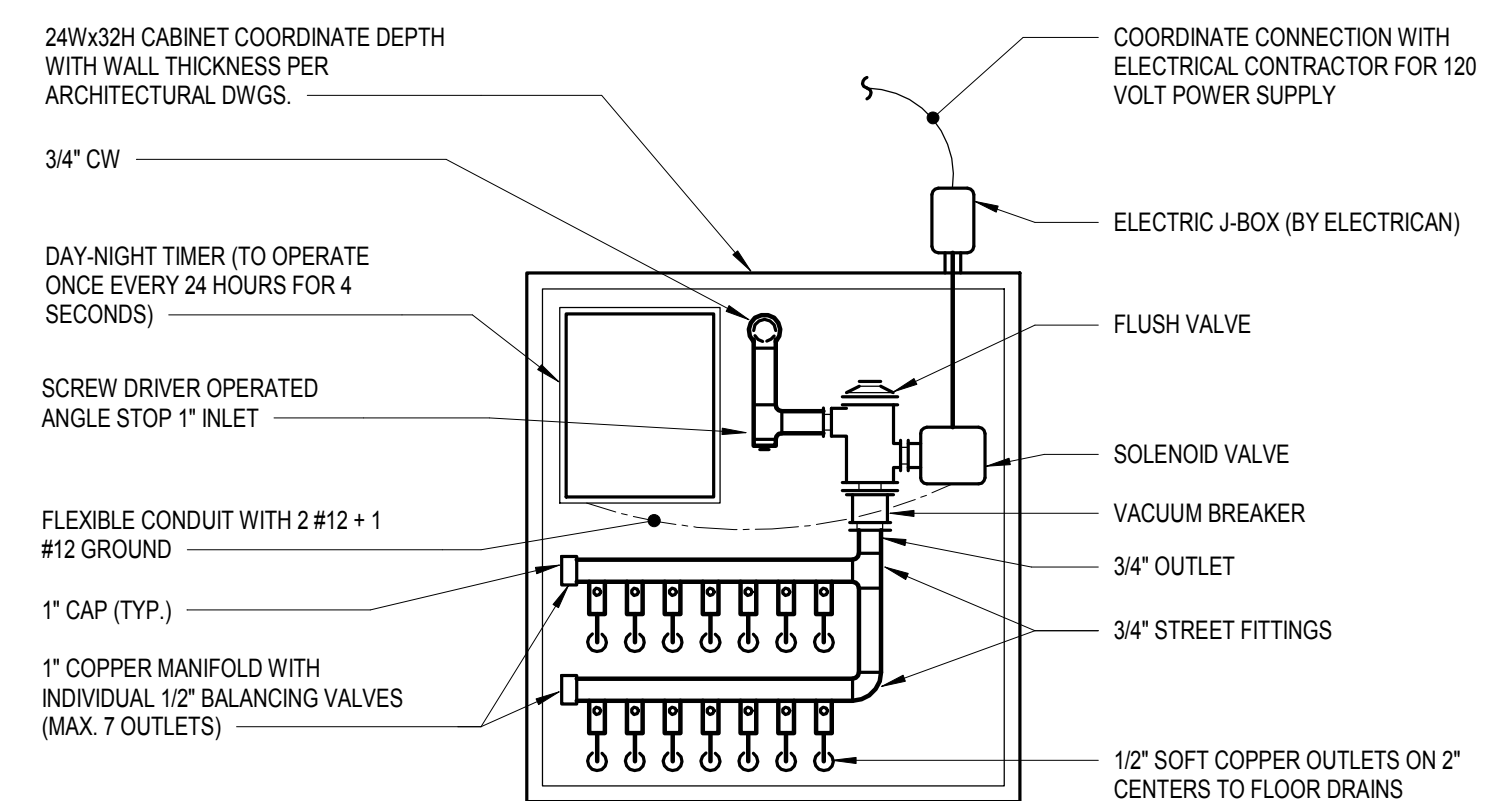


NOTES:
1. FOR CONTINUATION OF PIPING SEE PLANS.
2. H = AS REQUIRED PER PLUMBING CODE.

5 TYPICAL WALL-MOUNTED LAVATORY DETAIL
P-401 NONE



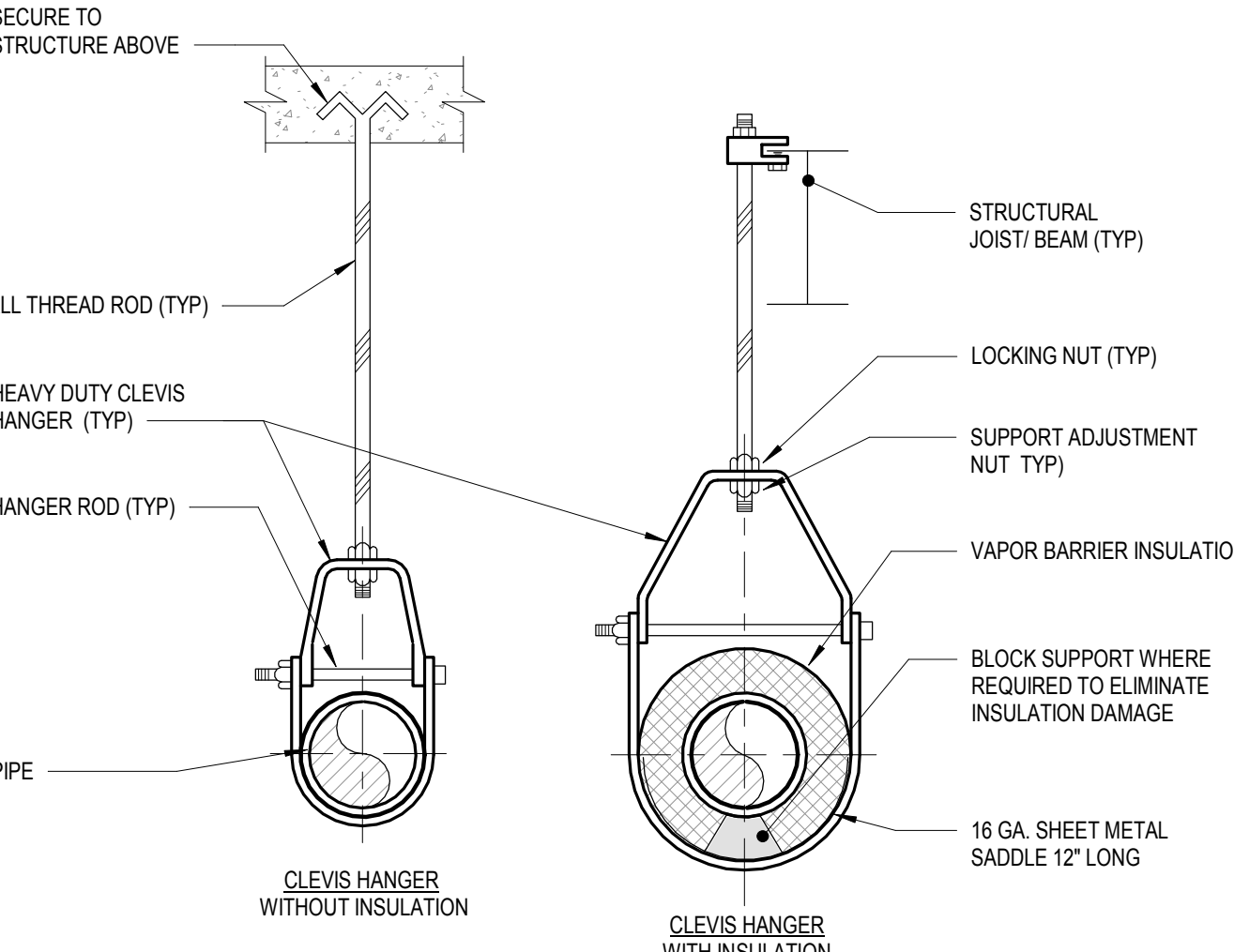
6 TYPICAL TRAP PRIMING STATION DETAIL
P-401 NONE



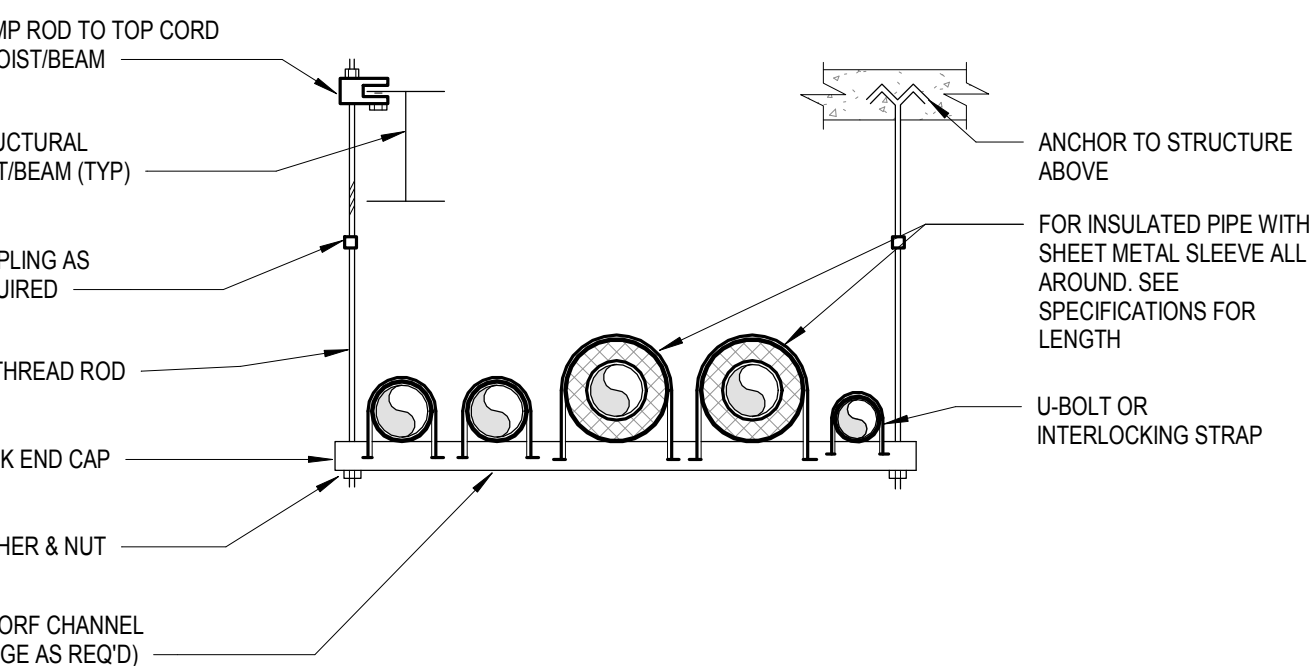
NOTES:
1. TOTAL NUMBER OF OUTLETS SHALL BE DETERMINED BY THE NUMBER OF FLOOR DRAINS AND FLOOR SINKS PRIMED WITHIN THE IMMEDIATE AREA. BOTTOM OF TRAP PRIMING STATION SHALL BE 60" MINIMUM ABOVE FINISHED FLOOR.
2. TRAP PRIMING LINES SHALL BE INSULATED FROM TRAP PRIMING STATION TO RECEPTOR.
3. INSTALL TRAP-SEAL PRIMER SYSTEMS WITH OUTLET PIPING PITCHED DOWN TOWARD DRAIN TRAP A MINIMUM OF 1 PERCENT, AND CONNECT TO FLOOR-DRAIN BODY, TRAP, OR INLET FITTING. ADJUST SYSTEM FOR PROPER FLOW.
4. ROUTING AND INSTALLATION OF TRAP PRIMING DISCHARGE PIPING IS CONSIDERED MEANS AND METHODS. PC SHALL INSTALL TRAP PRIMING PIPING PER THE TRAP PRIMER MANUFACTURERS INSTALLATION INSTRUCTIONS. IT SHALL BE THE PC RESPONSIBILITY TO QUANTIFY LENGTH OF PIPING, TUBING, INSULATION AND ALL FITTINGS AS REQUIRED TO ENSURE A COMPLETE SEAMLESS OPERATING TRAP PRIMING SYSTEM IN THE FIELD.

TRAP-SEAL AUTOMATIC PRIMER SYSTEMS:
1. MANUFACTURERS: SUBJECT TO THE COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
A. PRECISION PLUMBING PRODUCTS, INC.
B. ZURN INDUSTRIES, LLC, PLUMBING PRODUCTS GROUP, SPECIFICATION DRAINAGE PRODUCTS
2. STANDARD: ASSE 1044, UL LISTED.
3. PIPING: NPS 3/4, ASTM B 88, TYPE L COPPER, WATER TUBING.
4. CABINET: SURFACE MOUNTED STEEL BOX WITH STAINLESS STEEL COVER.
5. ELECTRIC CONTROLS: 24-HOUR TIMER, SOLENOID VALVE, AND MANUAL SWITCH FOR 120-V AC POWER.
A. ELECTRICAL COMPONENTS, DEVICES AND ACCESSORIES, LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
6. VACUUM BREAKER: ASSE 1001
7. NUMBER OUTLETS: AS INDICATED PER CONTRACT DRAWINGS.
8. SIZE OUTLETS: NPS 1/2

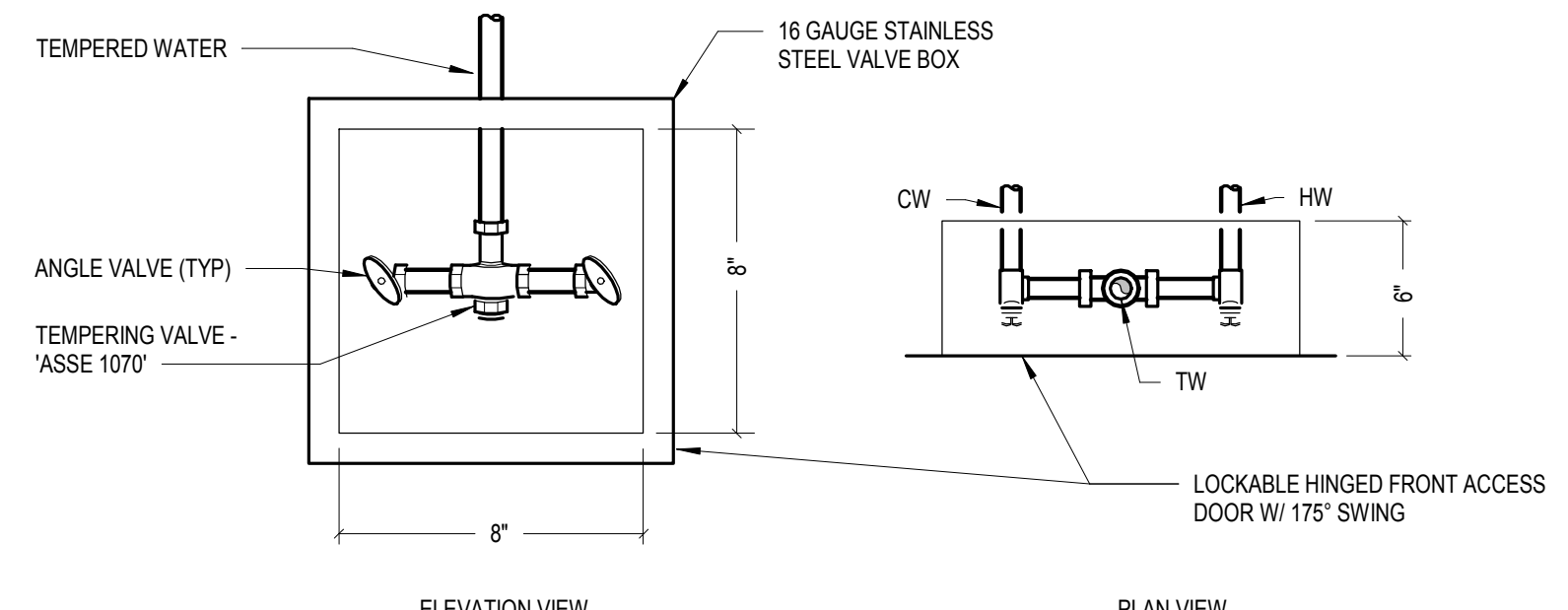
7 TYPICAL PIPE SUPPORT DETAIL
P-401 NONE



7 TYPICAL PIPE SUPPORT DETAIL
P-401 NONE

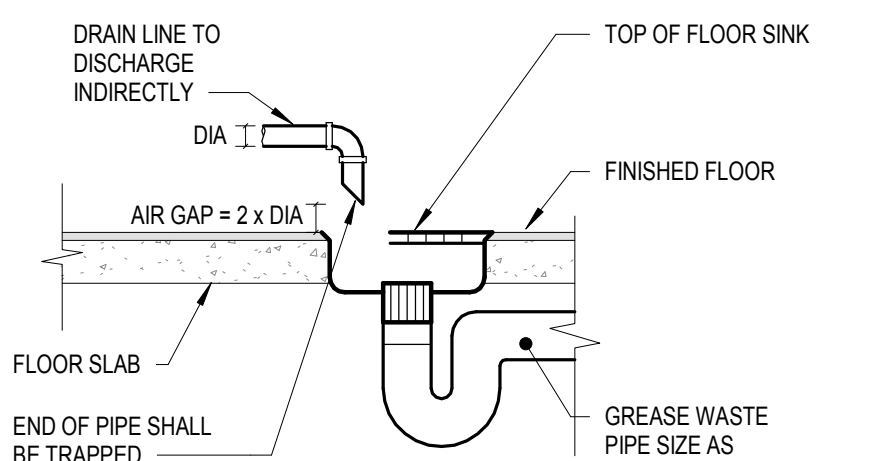


8 TYPICAL TRAPEZE PIPE SUPPORT DETAIL
P-401 NONE



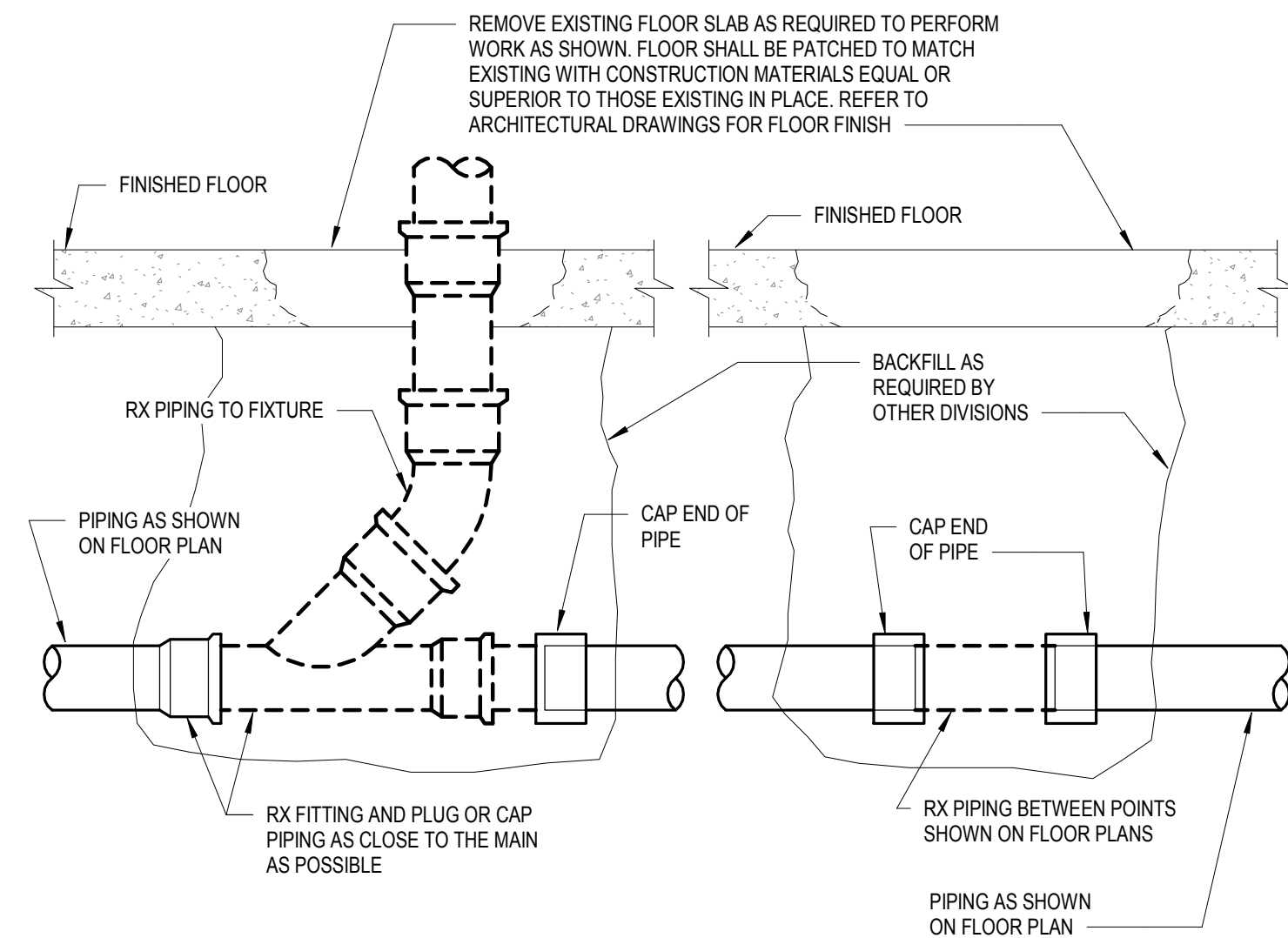
NOTES:
1. REFER TO RISER DIAGRAMS FOR PIPE SIZING.
2. INSTALL VALVE BOX PER MANUFACTURERS RECOMMENDATIONS.

9 TYPICAL 'ASSE 1070' TEMPERING VALVE BOX DETAIL
P-401 NONE



NOTES:
1. COORDINATE FLOOR SINK ELEVATION TO FINISHED FLOOR (TOP OF FLOOR SINK WITH THE FINISHED FLOOR) PER THE PLUMBING INSPECTOR AND THE CT HEALTH DEPARTMENT.
2. INDIRECT WASTE PIPING THAT EXCEEDS 54 INCHES IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED.

10 INDIRECT DRAINAGE DETAIL
P-401 NONE



11 TYPICAL UNDERSLAB PIPING DEMOLITION & ABANDONMENT DETAIL
P-401 NONE

Kitchen Code Violation Project

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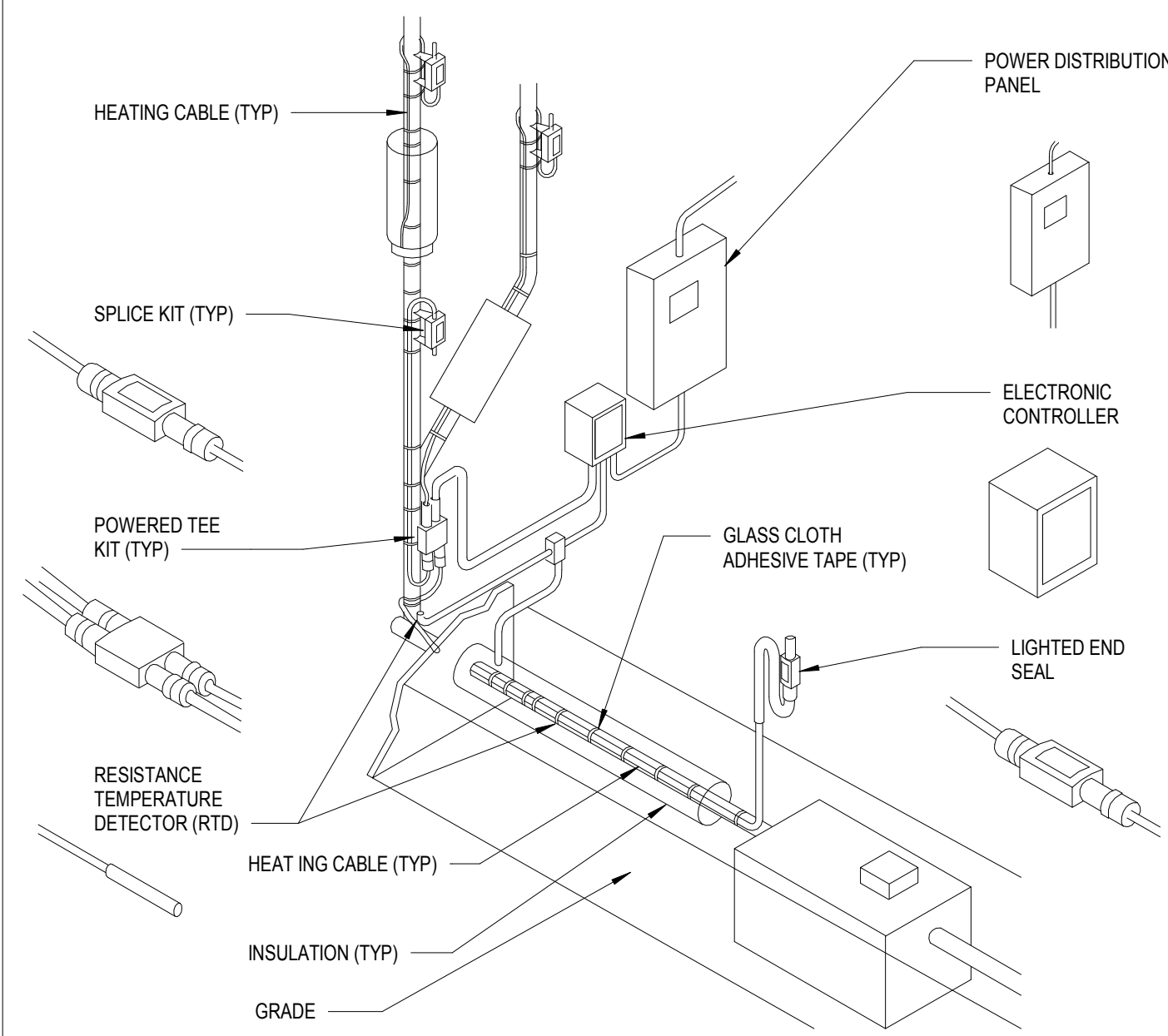
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Date	March 29, 2019
Job Number	GL-2019-19
Scale	NONE
Drawn	DFD
Checked	LMD
Drawing Name	

PLUMBING DETAILS

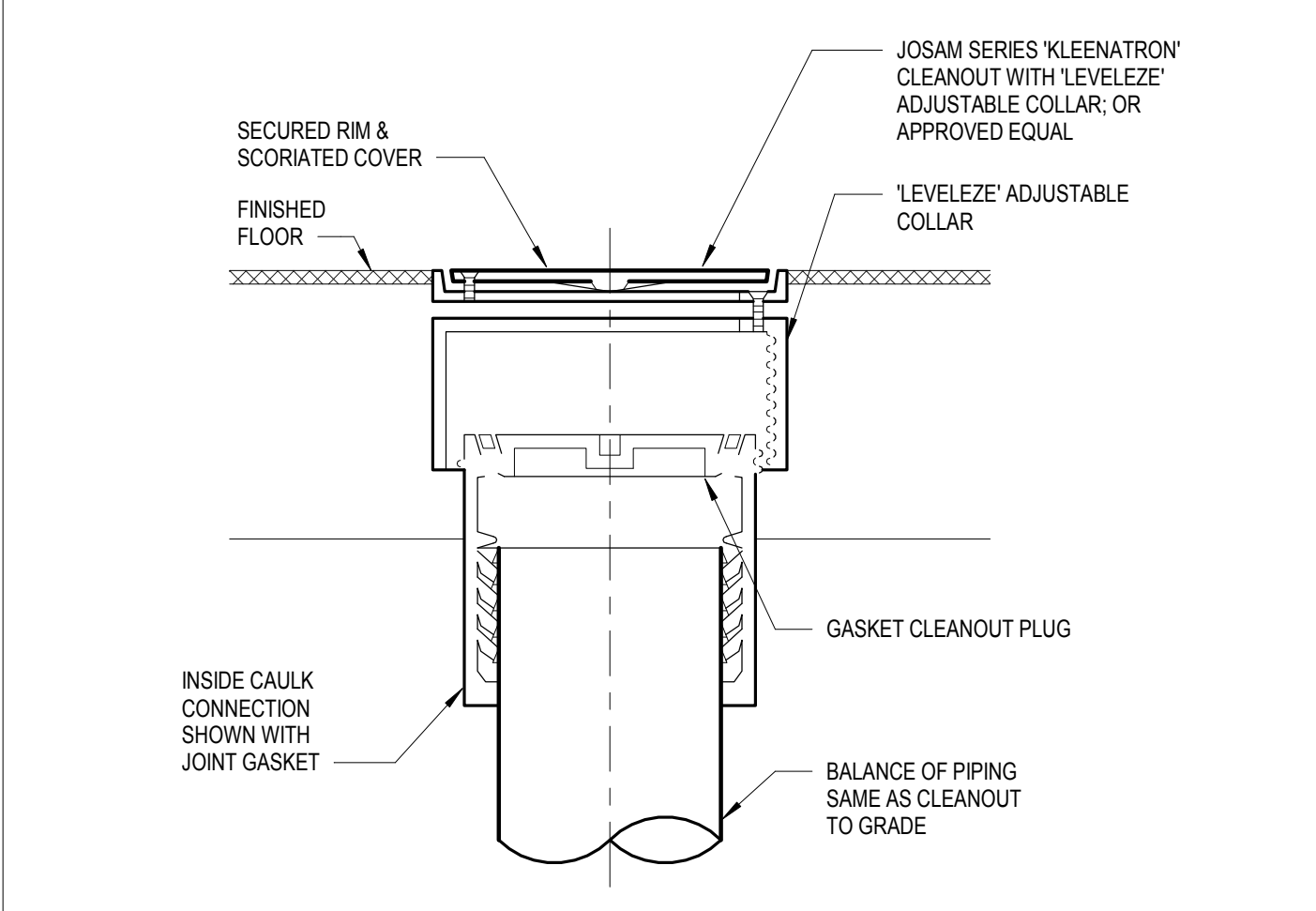
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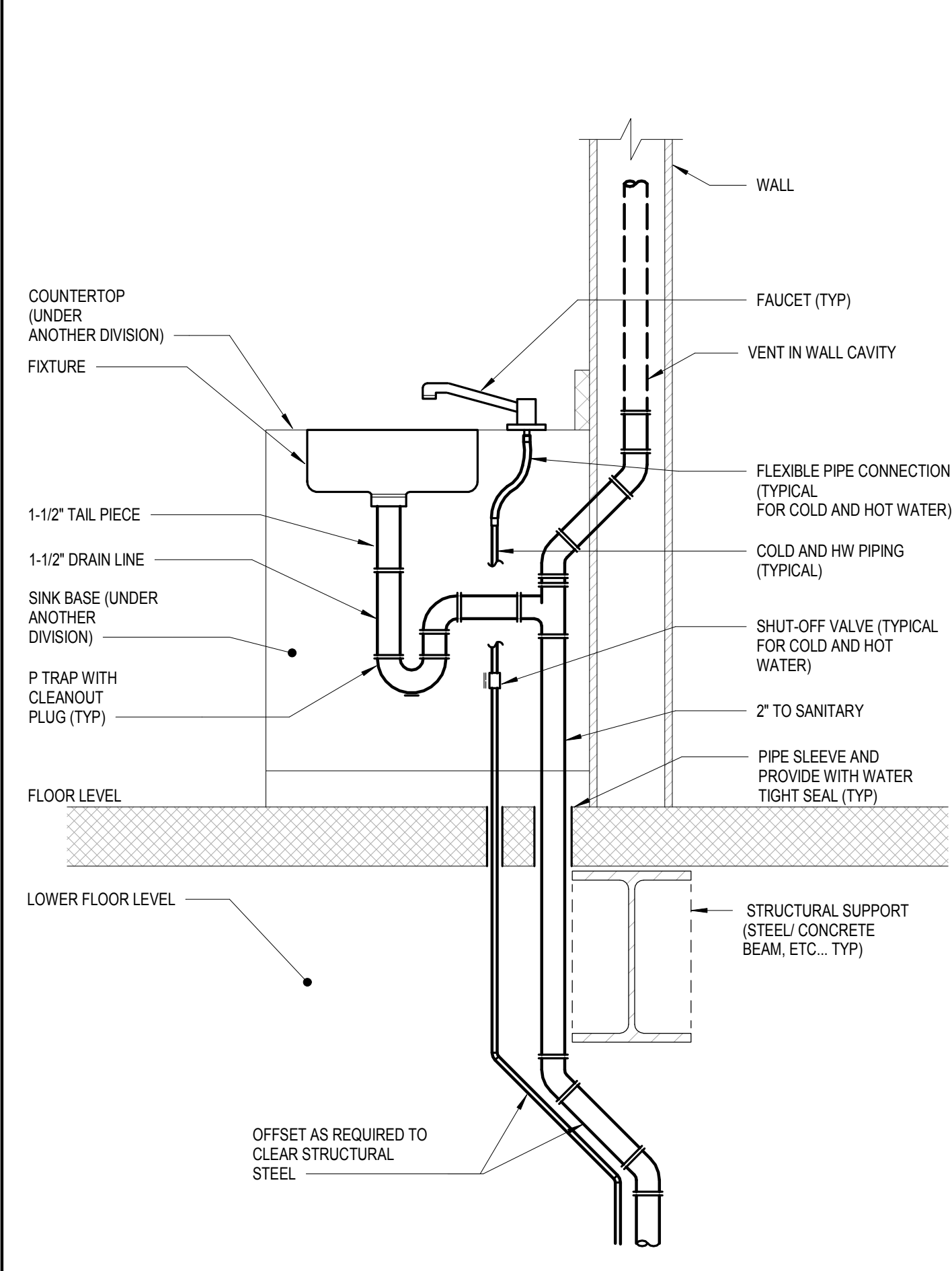
- NOTES:**
- THIS DETAIL IS PROVIDED FOR GENERAL REFERENCE. REFER TO THE PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. REFER TO THE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION AND OPERATION OF ALL COMPONENTS IN ASSOCIATION WITH GREASE HEAT TRACE SYSTEM.
 - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - FURNISH AND INSTALL ON LOCATIONS SHOWN ON DRAWINGS. BASIS OF DESIGN IS RAYCHEM 12XL-2CT, 208-277 VOLT, 12 WATTS PER FOOT, TEFLON JACKETED CABLE XL TRACE SELF-REGULATING FREEZE PROTECTION CABLE AS MANUFACTURED BY RAYCHEM CORPORATION. THE SELF-REGULATING HEATING CABLE SHALL CONSIST OF TWO (2) 16 AWG NICKLE-COPPER BUS WIRES EMBEDDED IN PARALLEL IN A SELF-REGULATING POLYMER CORE THAT VARIES ITS POWER OUTPUT TO RESPOND TO TEMPERATURE ALL ALONG ITS LENGTH, ALLOWING THE HEATING CABLE TO BE CUT TO LENGTH IN THE FIELD. CABLE SHALL HAVE A TYPE "CT" JACKETING.
 - ALL HEATING-CABLE COMPONENTS/ FITTINGS, SHALL BE UL LISTED, CSA CERTIFIED, OR FM APPROVED FOR USE AS PART OF THE SYSTEM TO PROVIDE GREASE WASTE FLOW MAINTENANCE. COMPONENT ENCLOSURES SHALL BE RATED NEMA 4X TO PREVENT WATER INGRESS AND CORROSION. INSTALLATION SHALL NOT REQUIRE THE INSTALLING CONTRACTOR TO CUT INTO THE HEATING-CABLE CORE TO EXPOSE THE BUS WIRES. CONNECTION SYSTEMS THAT REQUIRE THE INSTALLING CONTRACTOR TO STRIP THE BUS WIRES OR THAT USE CRIMPS OR TERMINAL BLOCKS, SHALL NOT BE ACCEPTABLE. ALL COMPONENTS THAT MAKE AN ELECTRICAL CONNECTION SHALL BE REENTERABLE FOR SERVICING. NO COMPONENT SHALL USE SOLDER TO SEAL ELECTRICAL CONNECTIONS. AN EXCEPTION WILL BE MADE IN AREAS WHERE A CONDUIT TRANSITION IS REQUIRED. THIS INCLUDES SYSTEM POWER CONNECTIONS, SPLICES, TEES AND TYPE IIE LIGHTED END CAPS FOR VISUAL "SELF-ON" CONFIRMATION.
 - ELECTRICAL CODE REQUIRES ALL SLICES, POWER CONNECTIONS AND CABLE TERMINATIONS TO TAKE PLACE ABOVE GROUND.
 - SYSTEM TO INCLUDE A SERIES C910-485 CONTROLLER/ MONITOR FOR EACH CIRCUIT. CONTROLLER SHALL INCLUDE ONE THERMAL INPUT AND ONE TO SENSE LINE TEMPERATURE 25 LINEAR FEET FROM THE BUILDING EXTERIOR WALL. CONTROLLER TO BE CONNECTED TO THE BMS SYSTEM THROUGH RS485 COMMUNICATIONS PORT FOR MODBUS RTU/ ASCII COMMUNICATION.
 - INSTALLING CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR TO VERIFY CORRECT VOLTAGE AND AMPERAGE FOR POWER PANEL BREAKER. GROUND FAULT PROTECTION TO BE PROVIDED INTERNALLY BY THE C910.
 - INSTALLATION OF CABLE ON PIPE AND CABLE SPLICES USING THE RAYCLIC SYSTEM SHALL BE THE SCOPE OF THE PLUMBING CONTRACTOR, SUBJECT TO LOCAL CODE AND/ OR TRADE JURISDICTION.
 - ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL POWER SUPPLY WIRING INCLUDING POWER SUPPLY FROM DISTRIBUTION PANEL TO CONTROLLER, POWER FROM CONTROL PANEL TO ORIGINATION OF THE HEAT TRACE CIRCUITS.
 - AFTER INSTALLATION AND BEFORE AND AFTER INSTALLING THE THERMAL INSULATION, INSTALLING CONTRACTOR MUST SUBJECT THE HEATING CABLE TO TESTING USING A 2500-VDC MEGGER. MINIMUM INSULATION RESISTANCE SHALL BE 20 MEGOHMS OR GREATER.

1 P - GREASE WASTE HEAT TRACE DETAIL
P-402 NTS



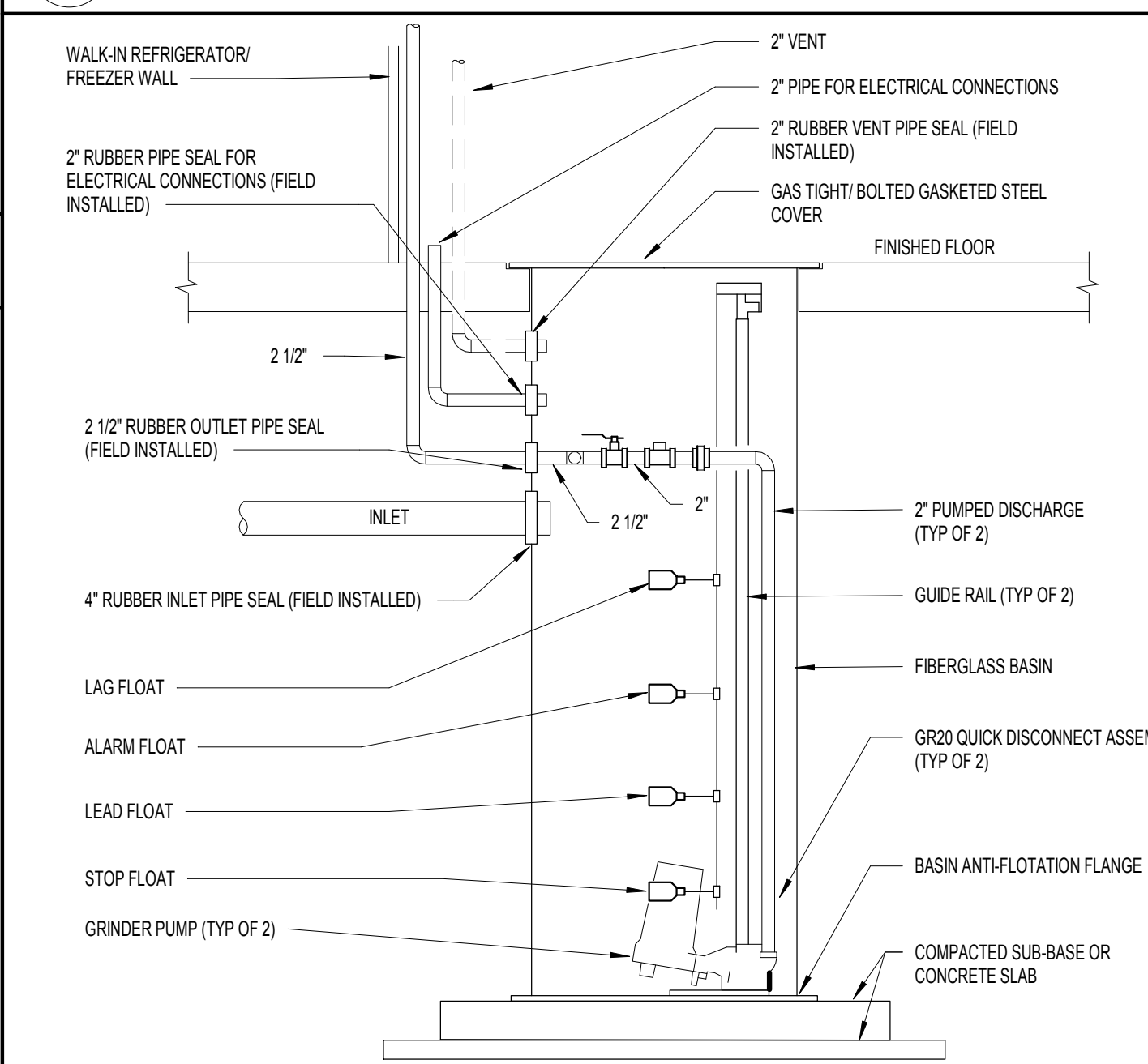
- NOTES:**
- INSTALL FLOOR CLEANOUT PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

8 TYPICAL FLOOR CLEANOUT DETAIL
P-402 NONE



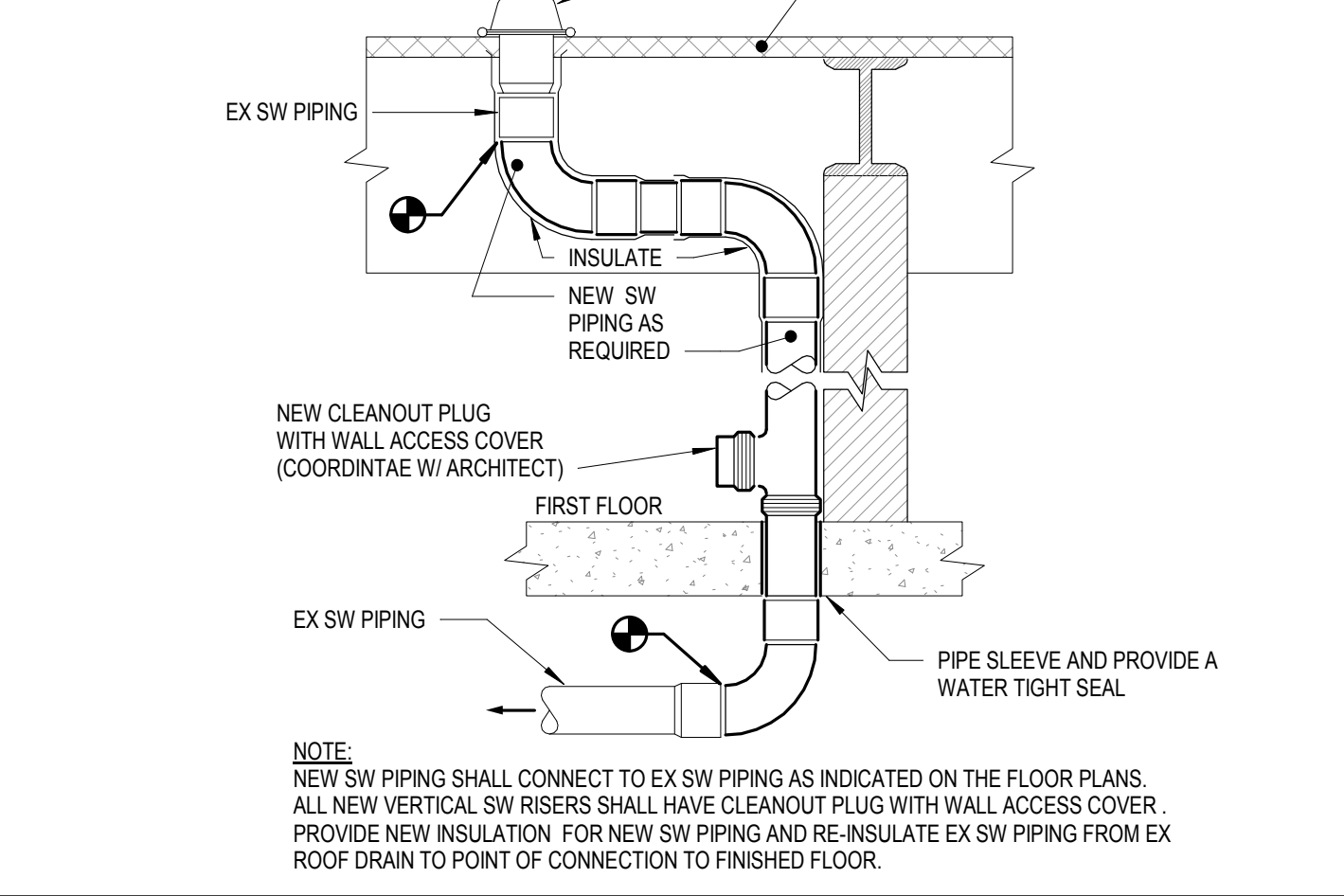
- NOTES:**
- THIS DETAIL IS DIAGRAMMATIC IN NATURE AND PROVIDED ONLY FOR GENERAL REFERENCE. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL BEAMS/ STRUCTURAL SUPPORTS.
 - CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL NEW PIPE PENETRATIONS THRU THE SLAB PRIOR TO CORE DRILLING/ SLEEVE SETTING AND INSTALLATION OF ANY NEW PIPE THRU THE SLAB. UPON DISCOVERING ANY STRUCTURAL CONFLICTS WITH THE NEW PIPING, CONTRACTOR SHALL THEN DEFER TO THIS DETAIL FOR GUIDANCE IN OFFSETTING ALL NEW PIPING TO AVOID THE STRUCTURAL OBSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH THE PLUMBING ENGINEER AND ARCHITECT PRIOR TO CORE DRILLING/ SLEEVE SETTING AND INSTALLATION OF ANY NEW OFFSET PIPING.

2 TYPICAL PIPING AROUND BEAM DETAIL
P-402 NONE

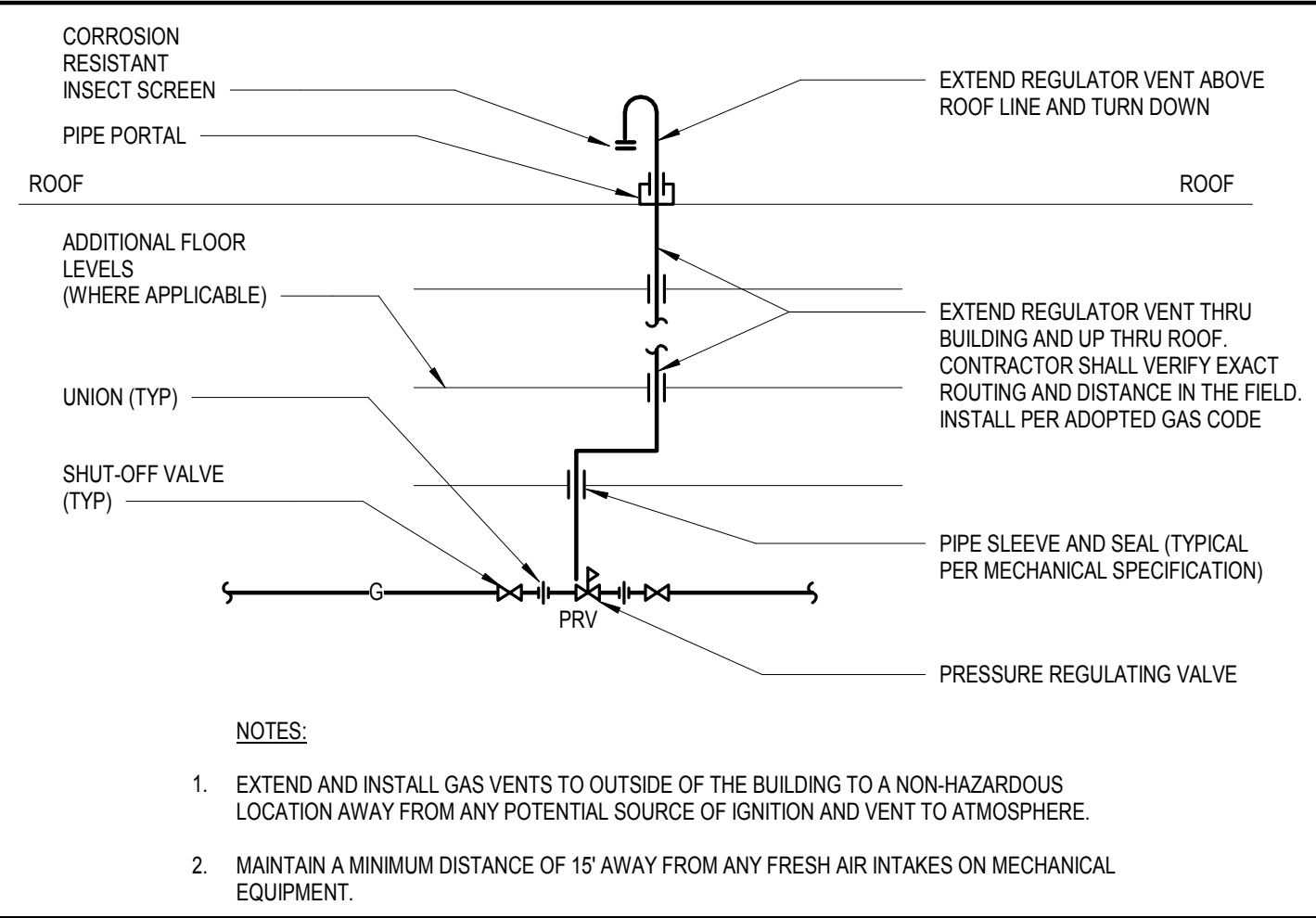


- NOTES:**
- ALL FLOOR/ SLAB PENETRATIONS SHALL BE COMPLETELY SEALED AND MADE ODOR, WATER, INSECT AND RODENT PROOF.
 - 2\"/>

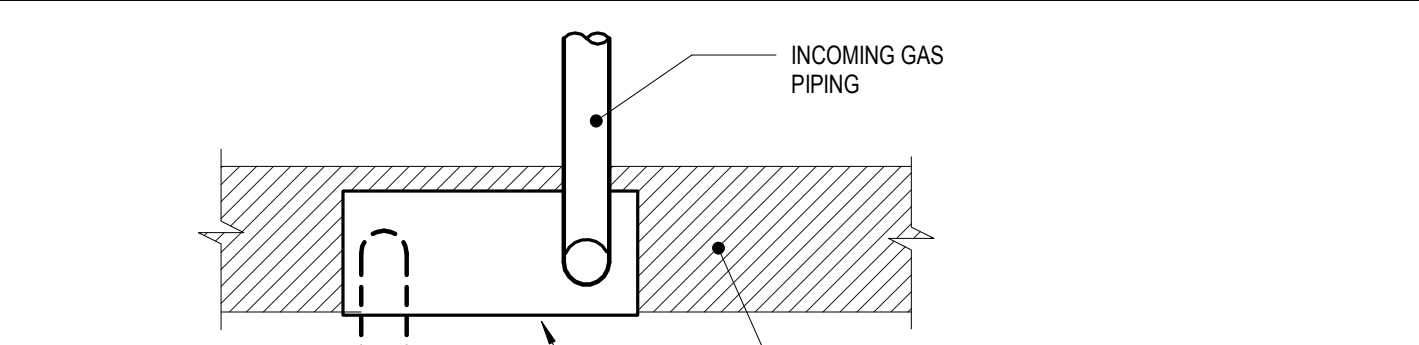
9 DUPLEX GRINDER PUMP DETAIL
P-402 NONE



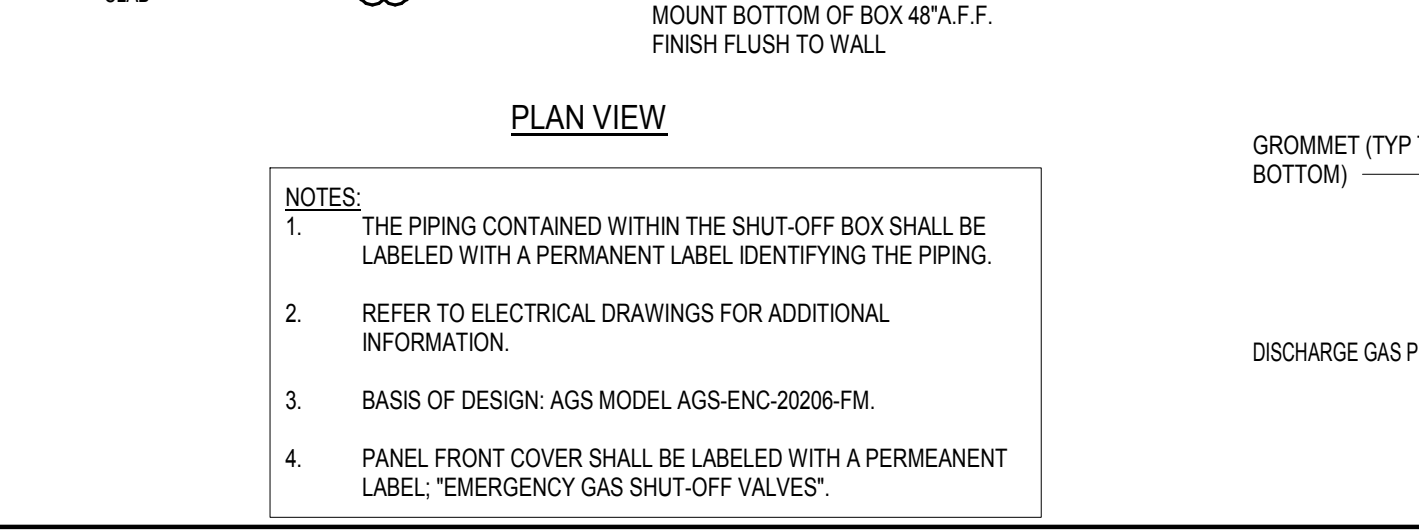
3 SW PIPING DETAIL
P-402 NOT TO SCALE



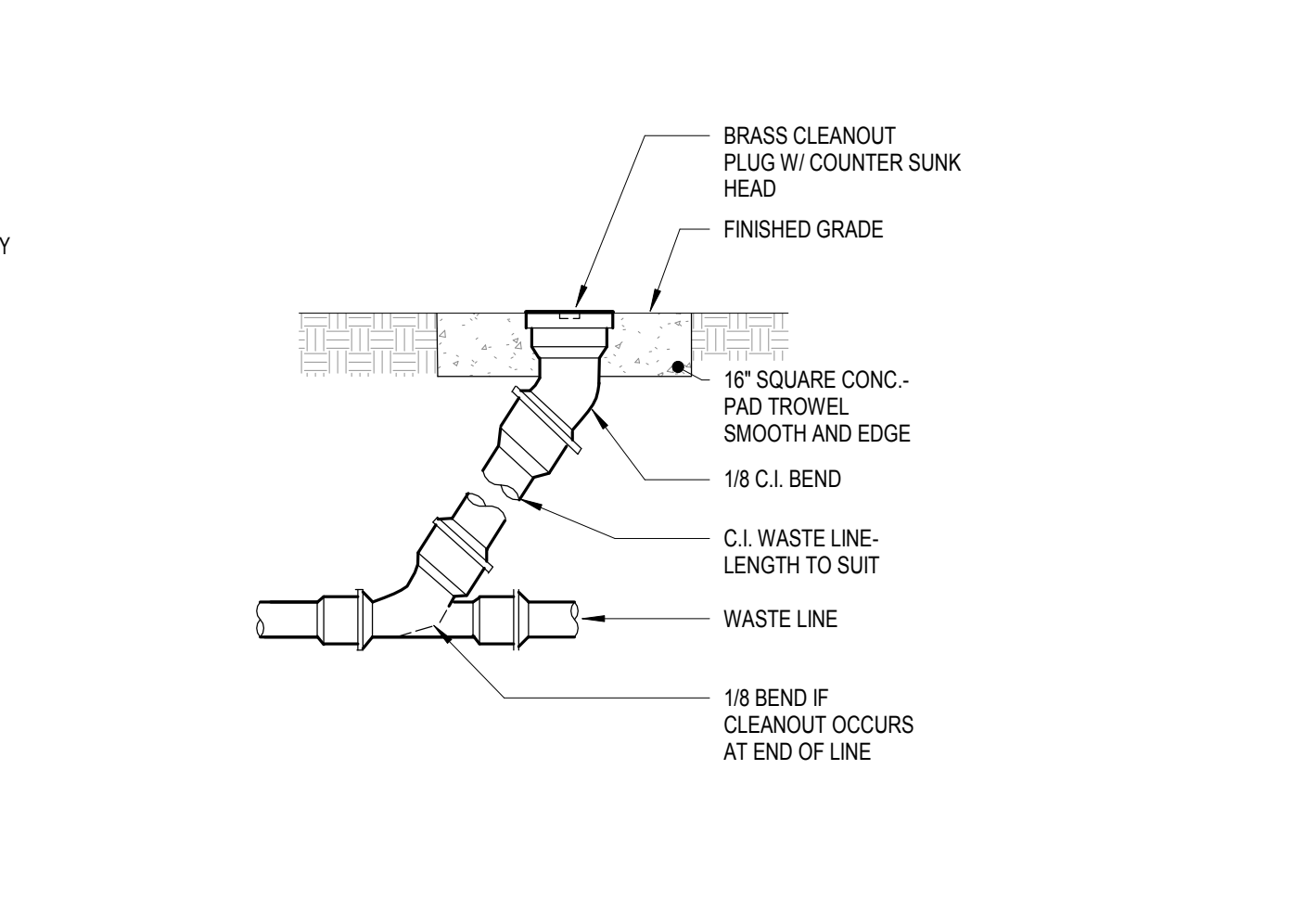
4 CHEMICAL DISPENSING WATER SUPPLY DETAIL
P-402 NONE



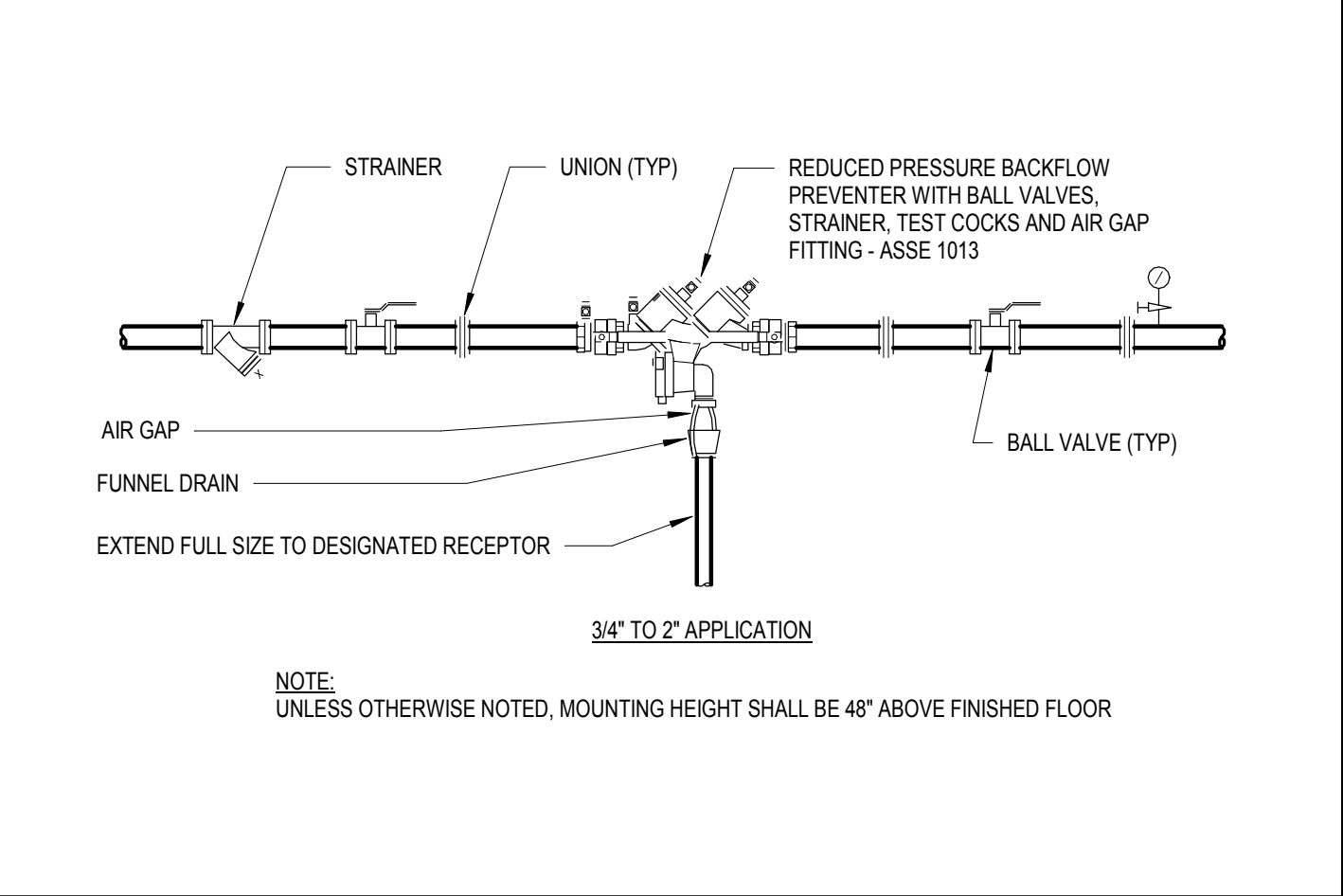
5 GAS PRV VENT THRU ROOF DETAIL
P-402 NONE



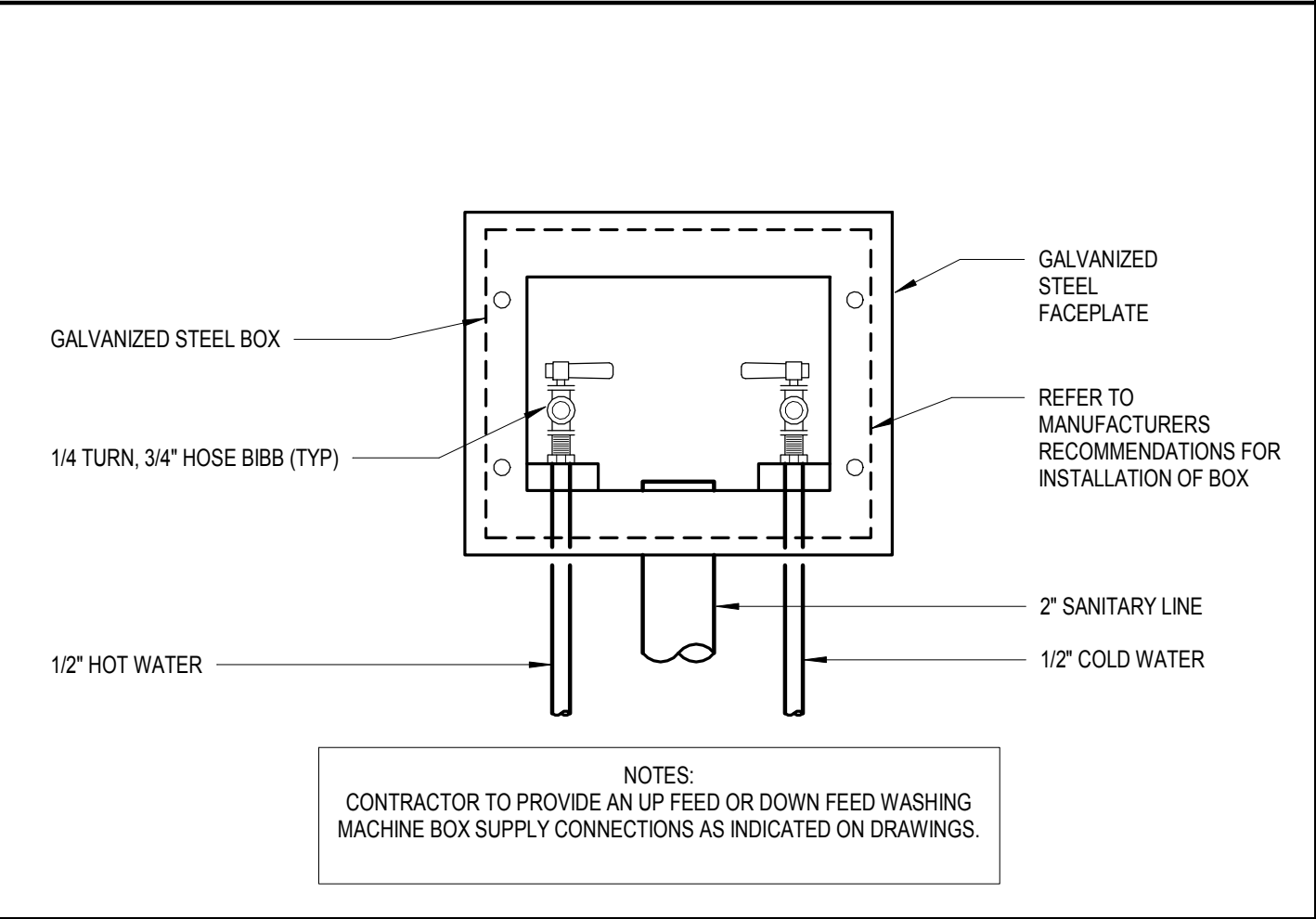
7 KITCHEN EMERGENCY GAS SHUT-OFF VALVE BOX DETAIL
P-402 NONE



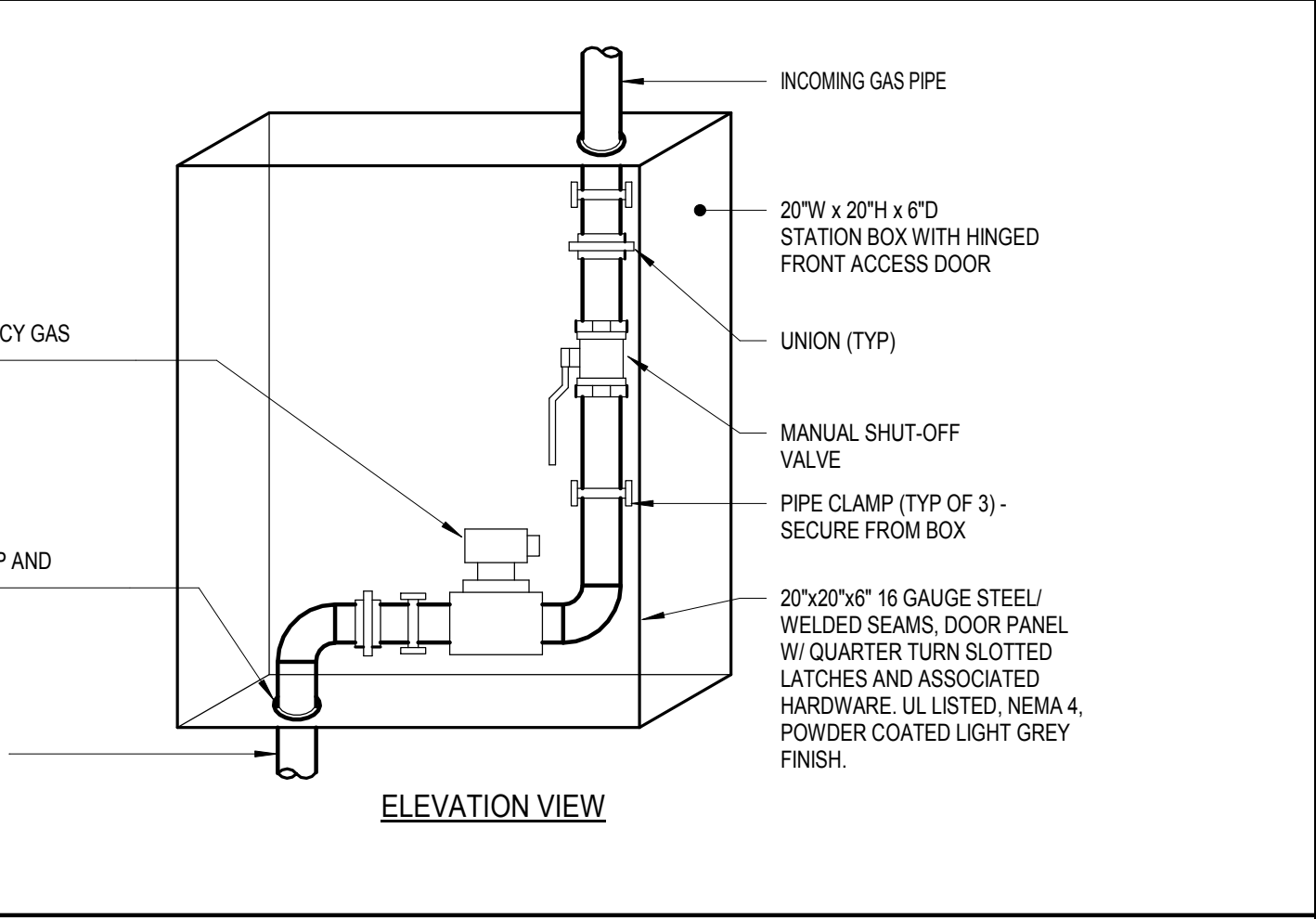
10 TYPICAL CLEANOUT TO GRADE
P-402 NONE



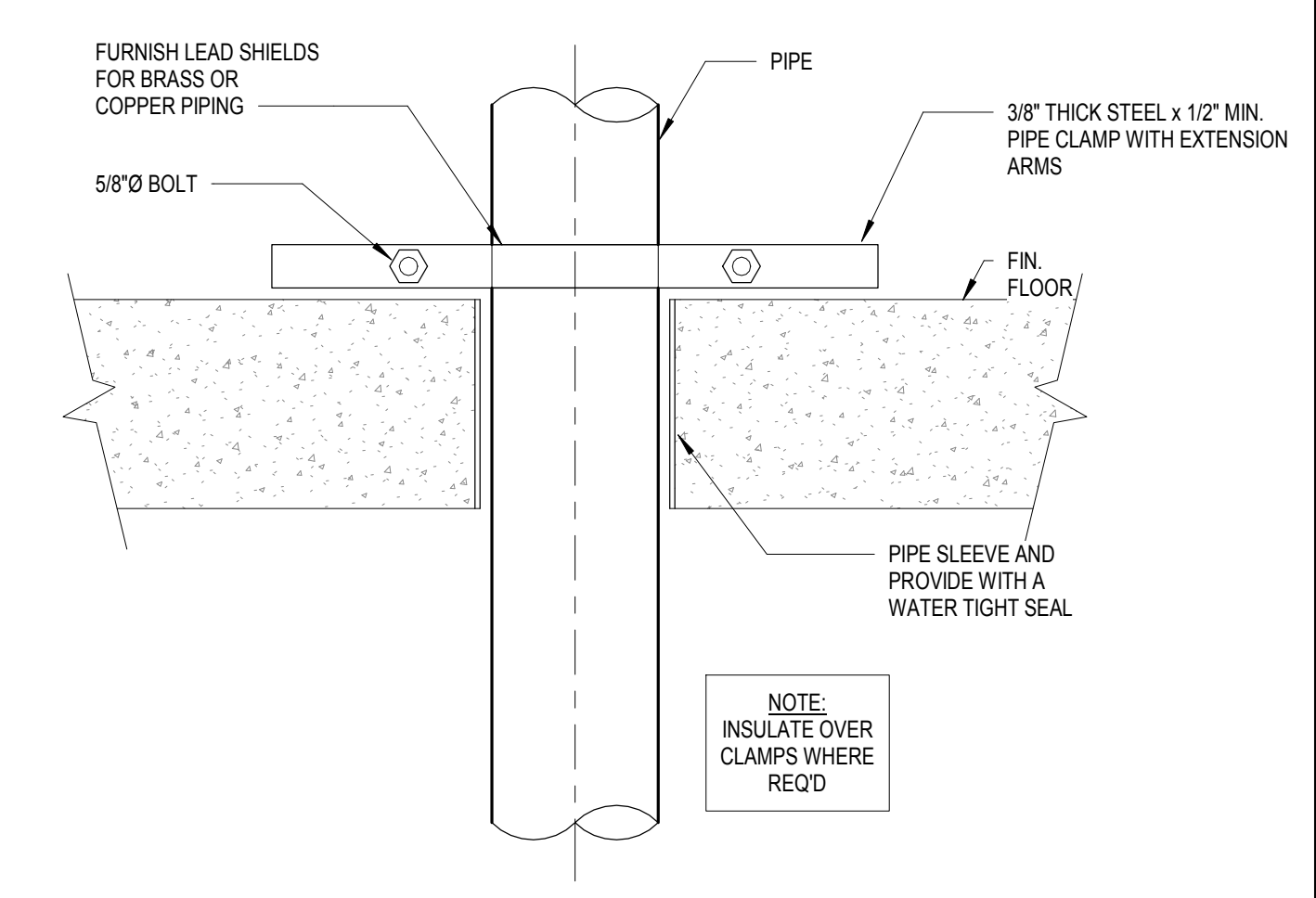
4 CHEMICAL DISPENSING WATER SUPPLY DETAIL
P-402 NONE



6 CLOTHES WASHER CONNECTOR BOX DETAIL
P-402 NONE



7 KITCHEN EMERGENCY GAS SHUT-OFF VALVE BOX DETAIL
P-402 NONE



11 TYPICAL PLUMBING PIPE RISER SUPPORT DETAIL
P-402 NONE

Kitchen Code Violation Project

State DAS Project No. 054-0098CV
Glastonbury High School
330 Hubbard St, Glastonbury, CT 06033
GL-2019-19
Project Team
Equipment Engineer

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Food Facilities Planners
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Civil Engineer

BSC GROUP
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Glastonbury, CT 06033
860-652-8227

Revisions

Issue Record

Seal

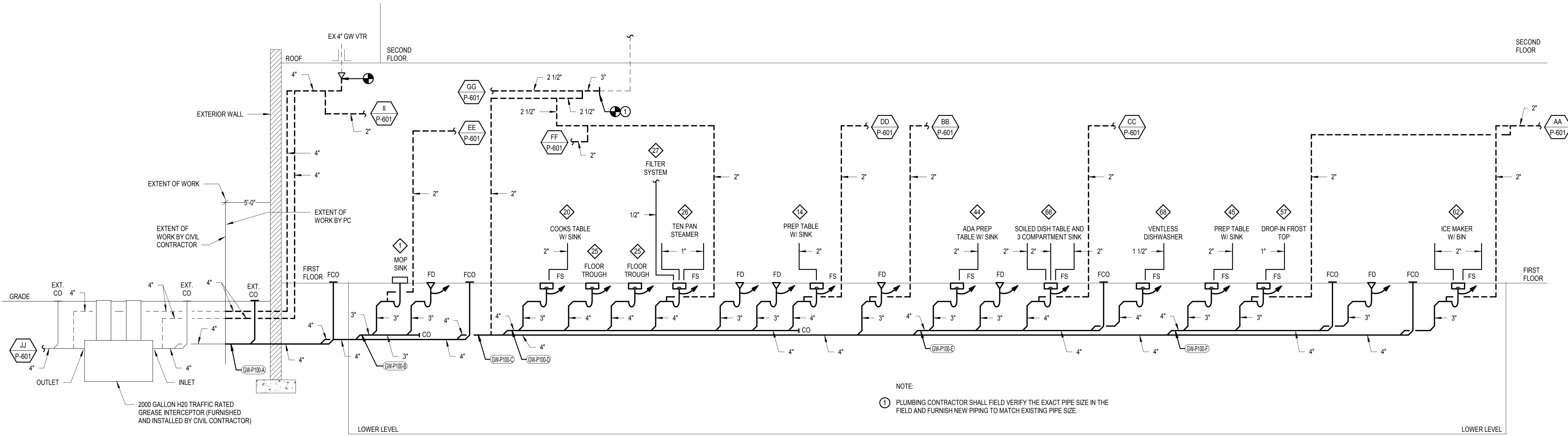
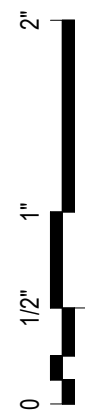
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	NONE
Drawn	DFE
Checked	LMD
Drawing Name	

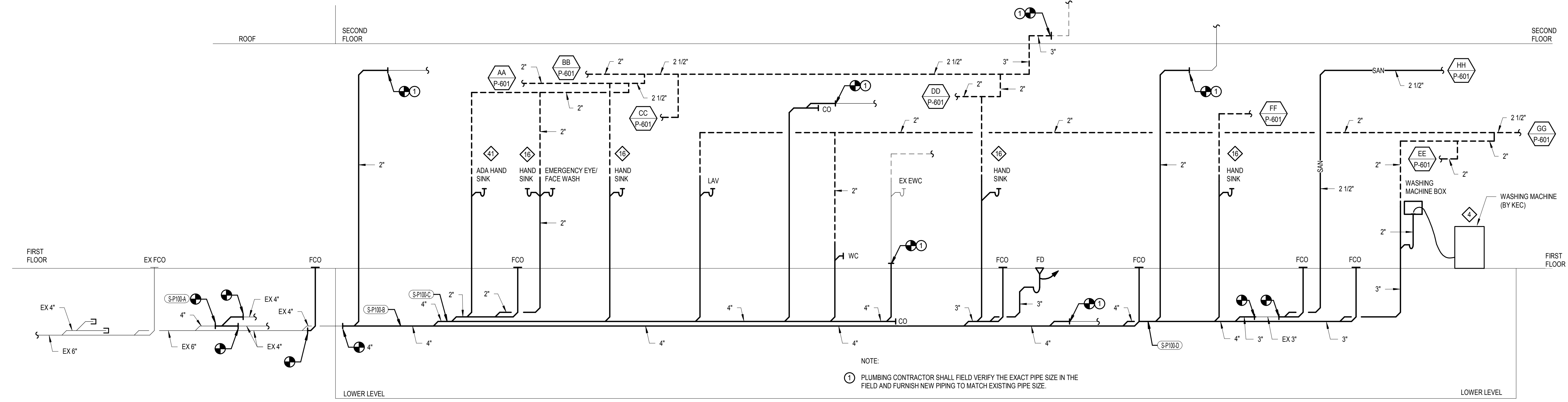
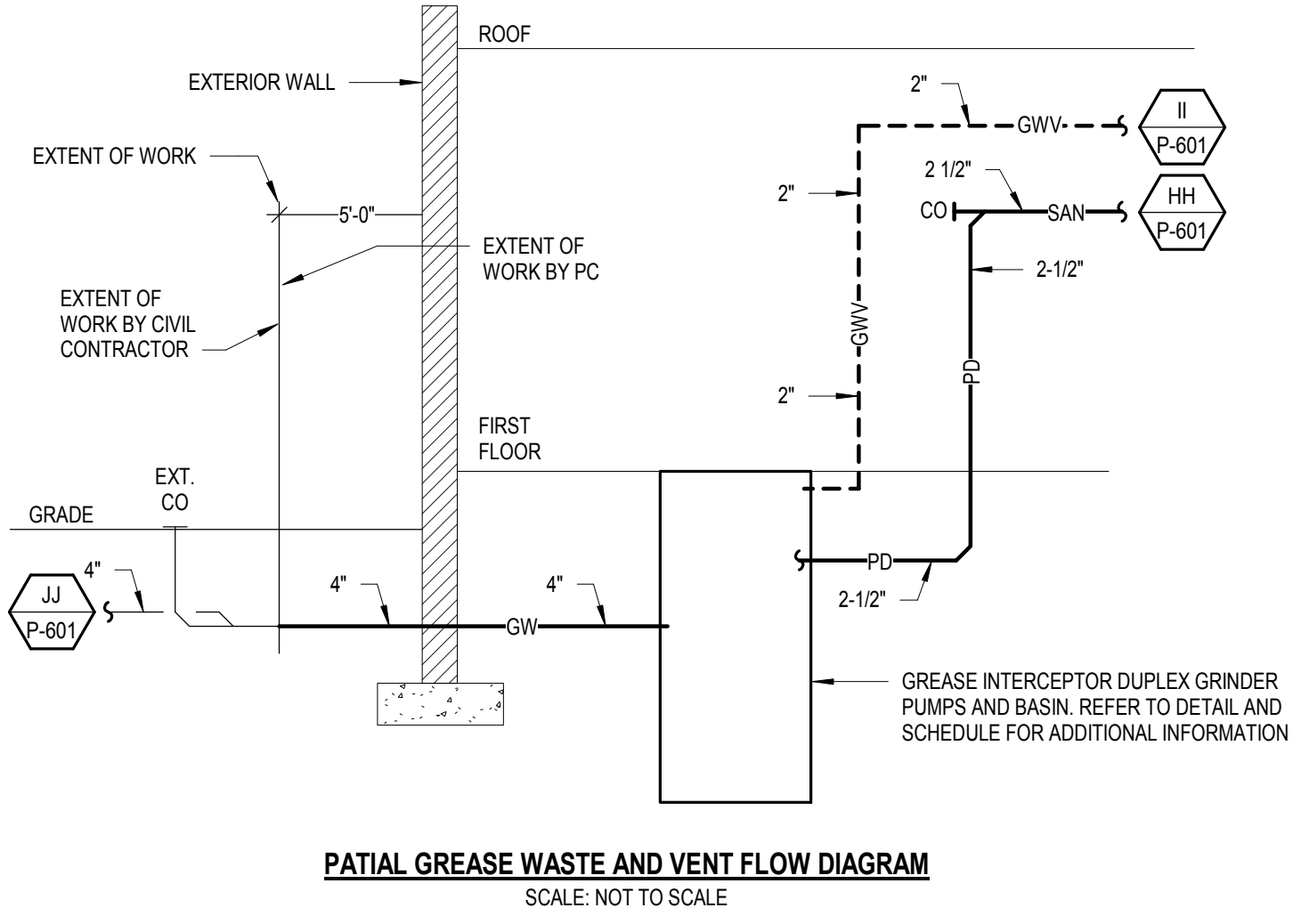
PLUMBING DETAILS

Drawing Number

P-402



GREASE WASTE AND VENT FLOW DIAGRAM
 SCALE: NOT TO SCALE



SANITARY AND VENT FLOW DIAGRAM
 SCALE: NOT TO SCALE

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

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Revisions

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Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	NONE
Drawn	Author
Checked	Checker
Drawing Name	

SANITARY AND GREASE WASTE FLOW DIAGRAMS

Drawing Number

P-601

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

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GL-2019-19

Project Team

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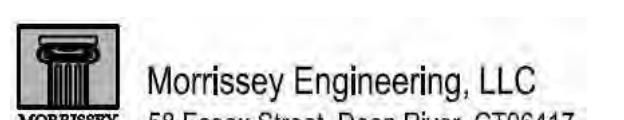


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Drawing Information

Date March 29, 2019

Job Number GL-2019-19

Scale NONE

Drawn Author

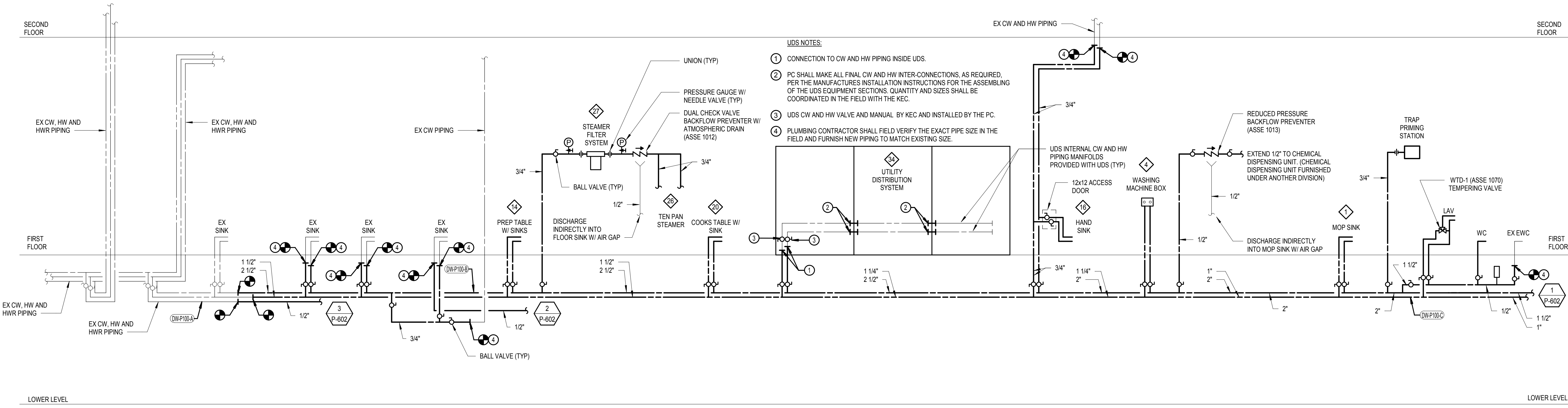
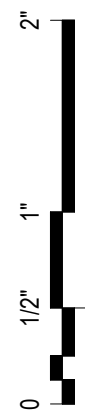
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Drawing Name

DOMESTIC WATER AND GAS FLOW DIAGRAMS

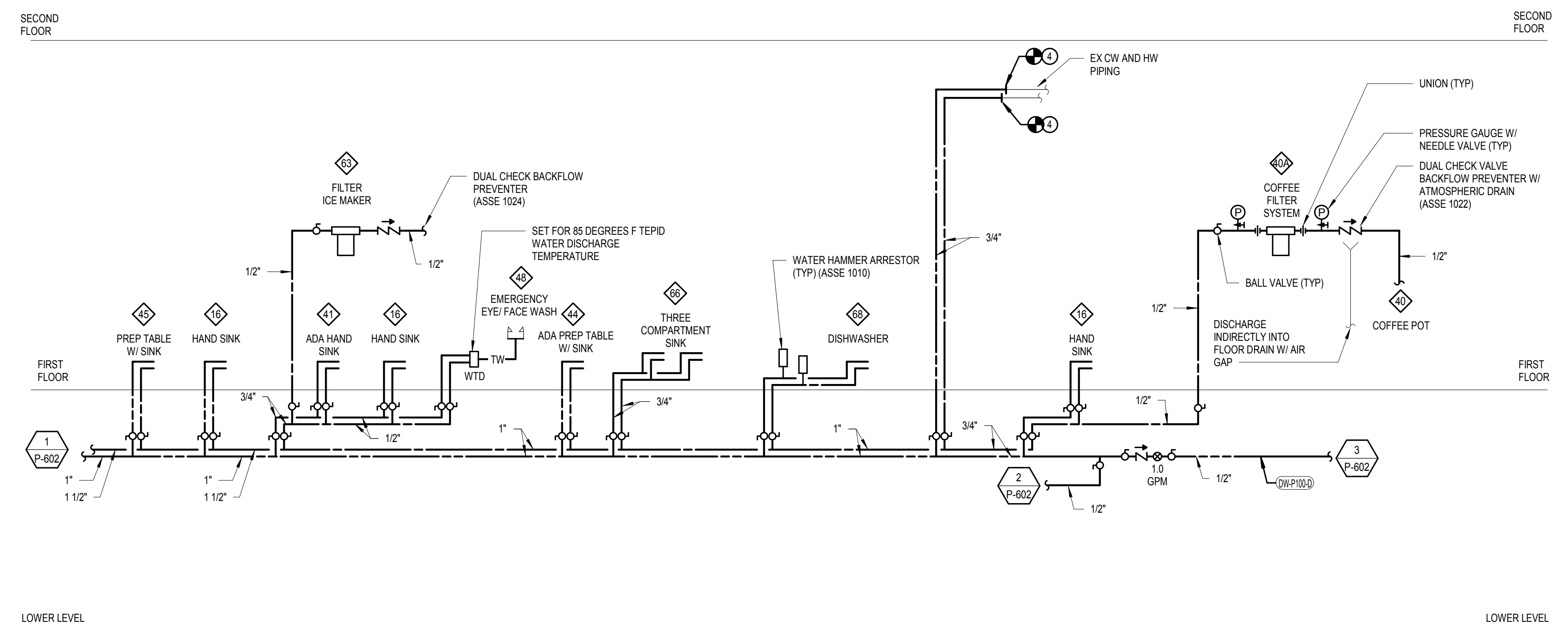
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P-602

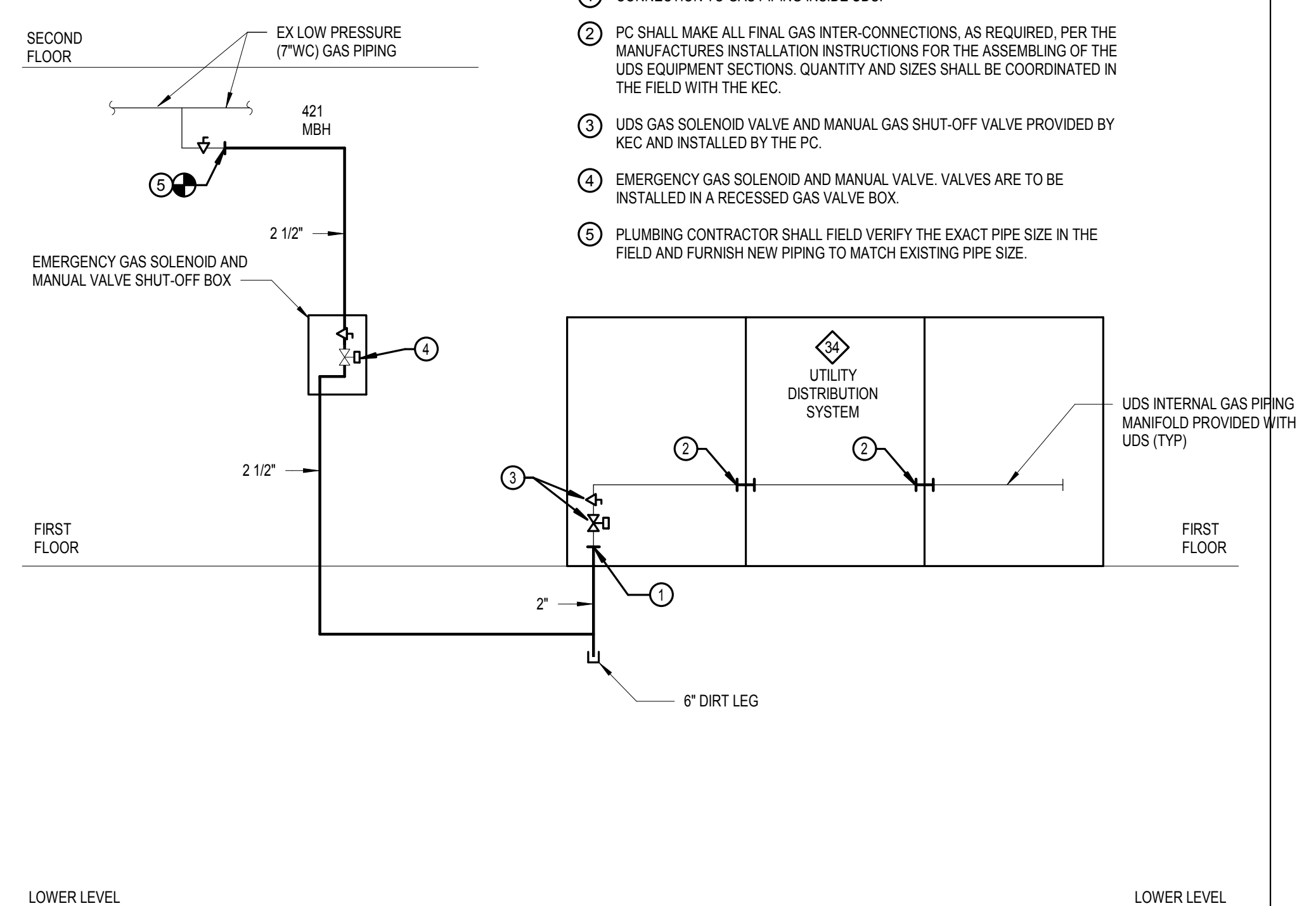


- UDS NOTES:**
- 1 CONNECTION TO CW AND HW PIPING INSIDE UDS.
 - 2 PC SHALL MAKE ALL FINAL CW AND HW INTER-CONNECTIONS, AS REQUIRED, PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE ASSEMBLING OF THE UDS EQUIPMENT SECTIONS. QUANTITY AND SIZES SHALL BE COORDINATED IN THE FIELD WITH THE KEK.
 - 3 UDS CW AND HW VALVE AND MANUAL BY KEK AND INSTALLED BY THE PC.
 - 4 PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT PIPE SIZE IN THE FIELD AND FURNISH NEW PIPING TO MATCH EXISTING SIZE.

DOMESTIC WATER FLOW DIAGRAM
SCALE: NOT TO SCALE

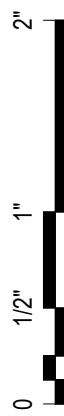


DOMESTIC WATER FLOW DIAGRAM
SCALE: NOT TO SCALE



NATURAL GAS FLOW DIAGRAM
SCALE: NOT TO SCALE

- NOTES:**
- 1 CONNECTION TO GAS PIPING INSIDE UDS.
 - 2 PC SHALL MAKE ALL FINAL GAS INTER-CONNECTIONS, AS REQUIRED, PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE ASSEMBLING OF THE UDS EQUIPMENT SECTIONS. QUANTITY AND SIZES SHALL BE COORDINATED IN THE FIELD WITH THE KEK.
 - 3 UDS GAS SOLENOID VALVE AND MANUAL GAS SHUT-OFF VALVE PROVIDED BY KEK AND INSTALLED BY THE PC.
 - 4 EMERGENCY GAS SOLENOID AND MANUAL VALVE. VALVES ARE TO BE INSTALLED IN A RECESSED GAS VALVE BOX.
 - 5 PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT PIPE SIZE IN THE FIELD AND FURNISH NEW PIPING TO MATCH EXISTING PIPE SIZE.



FLOOR DRAIN SCHEDULE						
DESIGNATION	MANUFACTURER	MODEL	LOCATION	TRAP PRIMER	NOTES	REMARKS
FD-B	JR SMITH	2005 SERIES	TOILET ROOM	REQUIRED	1, 6	
FS	JR SMITH	3150Y	KITCHEN	REQUIRED	7	
FCO	JR SMITH	---	---	---	2, 5, 6	
WALL CO	JR SMITH	---	---	---	3, 5	
EXPOSED CO	JR SMITH	4228 SERIES	---	---	4, 5	

GENERAL NOTES:

A. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION AND OF FLOOR DRAINS AND CONCRETE SLAB SLOPING.

NOTES:

- FLOOR DRAIN SHALL BE LIGHT DUTY RATED, CAST IRON BODY MATERIAL, SEEPAGE FLANGE, ANCHOR FLANGE, CLAMPING DEVICE, BOTTOM OUTLET, NICKEL BRONZE STRAINER MATERIAL AND FINISH, ROUND STRAINER, SIX-INCHES ROUND (3-INCH OUTLET), 8-INCHES ROUND (4-INCH OUTLET), INLET FITTING SHALL BE GRAY IRON, WITH THREADED INLET AND THREADED OR SPIGOT OUTLET, 1/2" TRAP SEAL PRIMER VALVE CONNECTION AND CAST IRON DEEP SEAL P-TRAP.
- METAL FLOOR CLEANOUTS: ASME A112.36.2M FOR CAST IRON SOIL PIPE WITH CAST IRON FERRULE CLEANOUT, SIZE: SAME AS CONNECTED BRANCH, TYPE: CAST IRON SOIL PIPE WITH CAST IRON FERRULE, BODY OR FERRULE, CAST IRON, CLAMPING DEVICE, NOT REQUIRED, OUTLET CONNECTION: INSIDE CAULK, CLOSURE: BRASS PLUG WITH TAPERED THREADS, ADJUSTABLE HOUSING MATERIAL: CAST IRON WITH THREADS, FRAME AND COVER MATERIAL AND FINISH: NICKEL BRONZE, COPPER ALLOY, FRAME AND COVER SHAPE: ROUND, SQUARE, OR AS DETERMINED BY FLOOR TYPE, TOP LOADING CLASSIFICATION: HEAVY DUTY, RISER: ASTM A 74, SERVICE CLASS, CAST IRON DRAINAGE PIPE FITTING AND RISER TO CLEANOUT.
 - A. TERRAZZO - RECESSED, SERIES 4188C
 - B. COMPOSITION TILE - RECESSED, SERIES 4188C
 - C. CERAMIC TILE - NON RECESSED, SERIES 4046C
 - D. CARPET WITH CLEANOUT MARKER, SERIES 4026Y
- WALL CLEANOUTS - STANDARD: ASME A112.36.2M INCLUDE WALL ACCESS, SIZE: SAME AS CONNECTED DRAINAGE PIPING, BODY: HUBLESS, CAST IRON SOIL PIPE TEST TEE AS REQUIRED TO MATCH CONNECTED PIPING, CLOSURE: COUNTERSUNK BRASS PLUG, CLOSURE PLUG SIZE: SAME AS OR NOT MORE THAN ONE SIZE SMALLER THAN CLEANOUT SIZE, WALL ACCESS: ROUND, FLAT, CHROME PLATED BRASS OR STAINLESS STEEL COVER PLATE WITH SCREW, WALL ACCESS: SQUARE, STAINLESS STEEL WALL INSTALLATION FRAME AND COVER.
 - A. UNFINISHED AREAS - SERIES 5432
 - B. PLASTER/ DRYWALL - SERIES 4558
 - C. TILE/ CMU - SERIES 4532
- EXPOSED METAL CLEANOUTS - UNFINISHED AREAS: STANDARD: ASME A112.3.1 FOR STAINLESS STEEL FOR CLEANOUT TEST TEE, SIZE: SAME AS CONNECTED DRAINAGE PIPING, BODY MATERIAL: STAINLESS STEEL TEE WITH SIDE CLEANOUT AS REQUIRED TO MATCH CONNECTED PIPING, CLOSURE: COUNTERSUNK BRASS PLUG, CLOSURE PLUG SIZE: SAME AS OR NOT MORE THAN ONE SIZE SMALLER THAN CLEANOUT SIZE, CLOSURE: STAINLESS STEEL PLUG WITH SEAL.
- INSTALL WHERE EITHER INDICATED ON PLANS, AND AS REQUIRED PER LOCAL ADOPTED PLUMBING CODE.
- FLOOR DRAINS AND FLOOR CLEANOUTS, TO MATCH FINISHED FLOOR USAGE AND FINISH SURFACE.
- FLOOR SINK SHALL BE MEDIUM DUTY RATED, CAST IRON FLANGED RECEPTOR WITH SEEPAGE HOLES, ANCHOR FLANGE, FLASHING CLAMP, BOTTOM OUTLET, ACID-RESISTANT COATED INTERIOR, ALUMINUM DOME BOTTOM STRAINER, SQUARE, 12 1/2-INCH TOP, NICKLE BRONZE RIM AND 3/4 GRATE, 8-INCH DEEP RECEPTOR, 1/2-INCH TRAP SEAL PRIMER VALVE CONNECTION AND CAST IRON DEEP SEAL TRAP.

PLUMBING PUMP SCHEDULE									
UNIT No.	MANUFACTURER	MODEL	LOCATION	GPM	HEAD	VOLTS/ PH/ HZ	HP	AMPS	REMARKS
P-1 & P-2	LIBERTY PUMPS	LSG203M	STORAGE RM 8	50	18	208/360	2	5.3	1,2,3,4,5
P-3 & P-4	LIBERTY PUMPS	LSG204M	BASEMENT	50	25	480/360	2	5.3	2,3,4,5

NOTES:

- PROVIDE WITH 36 INCH W x 102 INCH D FIBERGLASS BASIN AND AIR TIGHT/ GASKETED AND BOLTED STEEL COVER.
- PROVIDE WITH GR20 STAINLESS GUIDE RAIL BASE (2).
- AE344-171 INDOOR DUPLEX CONTROL PANEL (NEMA 4X) - W/ ALARM SYSTEM (HORN W/ SILENCE SWITCH AND RED LIGHT INDICATOR) CONTROL/ ALARM SWITCH, HOA SWITCH FOR EACH PUMP, MOTOR PROTECTIVE SWITCH FOR EACH PUMP, CONTROL/ ALARM LIGHT, PUMP RUN LIGHTS FOR EACH PUMP, FLOAT STATUS LIGHT AND DRY AUXILIARY CONTACTS.
- PROVIDE WITH DUPLEX 4 FLOATS (STOP, LEAD, ALARM, LAG) AND A HIGH WATER ALARM.
- SUBMERSIBLE PUMPS SHALL BE POWDERED COATED CAST IRON W/ STAINLESS STEEL SHAFT, HARDWARE, IMPELLER AND CUTTER MECHANISM.

KITCHEN EQUIPMENT PLUMBING FIXTURE SCHEDULE												
DESIG	EQUIPMENT	ROUGH-IN CONNECTION							WATER TEMPERING DEVICE (WTD-)	REMARKS		
		C.W.	H.W.	W	IW	V	GAS	TW			COND.	
1	MOP SINK	1/2"	1/2"	3"	-	2"	-	-	-	(12)		
4	WASHING MACHINE	1/2"	1/2"	2"	-	1-1/2"	-	-	-	(10)		
14	PREP TABLE W/ SINKS	1/2"	1/2"	-	2"	-	-	-	-			
16	WALL MOUNTED HANDSINK	1/2"	1/2"	1-1/2"	-	1-1/2"	-	-	-			
20	COOKS TABLE W/ SINK	1/2"	1/2"	-	2"	-	-	-	-			
24	40 GALLON FLOOR KETTLE	1/2"	1/2"	-	-	-	1/2"	-	-	(2)		
25	FLOOR TROUGH W/ GRATE	-	-	4"	-	-	-	-	-	(8)		
26	TEN PAN STEAMER	(2) 3/4"	-	-	(2) 1"	-	(2) 1/2"	-	-	(2)		
27	FILTER SYSTEM, STEAMER	3/4"	-	-	-	-	-	-	-	(1) (8)		
28	6 BURNER RANGE W/ OVEN	-	-	-	-	-	3/4"	-	-	(2)		
29	DOUBLE CONVECTION OVEN	-	-	-	-	-	3/4"	-	-	(2)		
34	UTILITY DISTRIBUTION SYSTEM	1"	1"	-	-	-	2"	-	-	(2) (7)		
40	COFFEE MAKER, AUTOMATIC	3/8"	-	-	-	-	-	-	-	(4)		
40A	FILTER SYSTEM, COFFEE/ TEA BREWER	3/8"	-	-	-	-	-	-	-	(1)		
41	ADA HAND SINK	1/2"	1/2"	1-1/2"	-	1-1/2"	-	-	-	(11)		
44	ADA PREP TABLE W/ SINK	1/2"	1/2"	-	1-1/2"	-	-	-	-			
45	PREP TABLE W/ SINK	1/2"	1/2"	-	1-1/2"	-	-	-	-			
57	DROP-IN FROST TOP	-	-	-	1"	-	-	-	-			
62	ICE MAKER W/ BIN	3/8"	-	-	3/4" & 1"	-	-	-	-			
63	FILTER SYSTEM, ICE MAKER	3/8"	-	-	-	-	-	-	-	(1) (3)		
66	SOILED DISHTABLE & 3 COMPARTMENT SINK	(2) 3/4"	(2) 3/4"	-	(3) 2"	-	-	-	-			
68	VENTLESS WAREWASHER	1/2"	1/2"	-	1-1/2"	-	-	-	-	(6)		
-	EMERGENCY EYE/ FACE WASH	1/2"	1/2"	-	1-1/2"	1-1/2"	-	1/2"	-	(13)		

NOTES:

- WATER FILTRATION SYSTEM, IS FURNISHED BY KEC AND INSTALLED BY PC. PC SHALL FURNISH AND INSTALL PIPING, VALVES AND SUPPORTS.
- FLEXIBLE GAS & WATER HOSES WITH QUICK DISCONNECT FITTING FURNISHED BY KEC AND INSTALLED BY PC. CONNECT TO THE UDS AND THE DESIGNATED KITCHEN EQUIPMENT.
- FURNISH AND INSTALL AN IN-LINE DUAL CHECK VALVE (ASSE 1024) ON THE DISCHARGE SIDE OF WATER FILTER.
- FURNISH AND INSTALL AN IN-LINE DUAL CHECK VALVE WITH ATMOSPHERIC DRAIN (ASSE 1022) ON COLD WATER SUPPLY. EXTEND THE DRAIN TO DISCHARGE INDIRECTLY (WITH AIR GAP) INTO THE NEAREST FLOOR RECEPTOR.
- REFER TO KITCHEN CONSULTANT AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. KEC SHALL PROVIDE ALL KITCHEN EQUIPMENT AND ASSOCIATED FAUCETS. PC SHALL INSTALL FAUCETS, DRAINS, PIPING, TRAPS, ADA PIPE WRAP, VALVES, SHUT-OFFS, ESCUTCHEONS, GAUGES, WATER AND GAS PRESSURE REDUCERS, REGULATORS, BACKFLOW PREVENTERS, HOSES, SUPPORTS AND ALL APPURTANANCES.
- WATER HAMMER ARRESTOR, UNIONS AND VALVES, ARE TO BE FURNISHED AND INSTALLED BY PC.
- UDS IS PROVIDED BY KEC ON THE JOB SITE IN SECTIONS. PC SHALL COORDINATE WITH ELECTRICIAN AND KEC, FOR THE ASSEMBLING OF THE UDS, SO AS PC CAN MAKE PLUMBING CONNECTIONS BETWEEN EACH SECTION.
- KETTLE FLOOR TROUGH, GRATING AND BASKET STRAINER IS PROVIDED BY KEC AND INSTALLED BY PC. COORDINATE THE EXACT LOCATION OF TROUGHS IN THE FLOOR WITH THE STRUCTURAL ENGINEER AND ARCHITECT.
- FURNISH AND INSTALL INLINE DUAL CHECK VALVE WITH ATMOSPHERIC DRAIN (ASSE 1012) ON THE DISCHARGE SIDE OF THE WATER FILTER. PC SHALL FURNISH AND INSTALL 1/2" DRAIN TO DISCHARGE INDIRECTLY (WITH AIR GAP) INTO THE NEAREST FLOOR RECEPTOR.
- WASHING MACHINE DRAIN SHALL DISCHARGE INTO, CW AND HW PIPING SHALL CONNECT TO THE WASHING MACHINE BOX RECESSED IN WALL.
- FURNISH AND INSTALL ADA TRAP AND PIPE WRAP.
- PC TO FURNISH PLUMBING FIXTURE C FOR KITCHEN EQUIPMENT NUMBER 1. PC SHALL INSTALL FIXTURE, FAUCET, PLUMBING AND ACCESSORIES.
- EMERGENCY EYE/ FACE WASH STATION AND WTD, FURNISHED BY KEC AND INSTALLED BY PC, FURNISH AND INSTALL ALL PIPING TO WTD AND EXTEND TO EMERGENCY EYE/ FACE WASH. WTD SHALL BE SET TO DELIVER 85 DEGREES F TEPID WATER TO EMERGENCY EYE/ FACE WASH.

PLUMBING FIXTURE SCHEDULE										
DESIGNATION	FIXTURE			ROUGH-IN CONNECTION				FAUCET/ FLUSH VALVE		NOTES
	MANUFACTURER	MODEL	C.W.	H.W.	T.W.	SAN	VENT	MANUFACTURER	MODEL	
A	KOHLER	K-4325	1-1/2"	-	-	4"	2"	SLOAN	111-1.2B.1	1,2,3,4
B	KOHLER	K-2005	1/2"	1/2"	-	1-1/2"	1-1/2"	CHICAGO	116.101.AB.1	1,2
C	FIAT	TSB-3000	1/2"	1/2"	-	3"	2"	CHICAGO	445-897SRXKCCP	6,2
D	GUY GRAY	MWB26	1/2"	1/2"	-	2"	1-1/2"	-	-	5

GENERAL NOTES:

- WH = WALL HUNG
- LOCATE ROUGH IN FOR HANDICAPPED TOILETS SO THAT FLUSH VALVE HANDLE IS IN THE WIDE SIDE OF THE STALL.

NOTES:

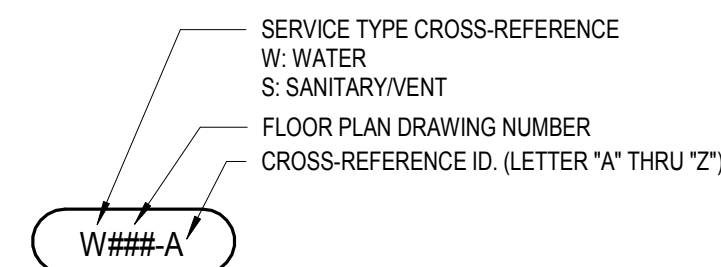
- ADA ACCESSIBLE FIXTURE
- COLOR OF FIXTURE AND OR ACCESSORIES SHALL BE DETERMINED BY THE ARCHITECT.
- HEAVY DUTY WHITE TOILET SEAT WITH OPEN FRONT, STAINLESS STEEL HINGE AND HARDWARE, QUIET CLOSE CHECK HINGE, KOHLER MODEL K-4731-GC.
- WALL HUNG, EXPOSED, 1-1/2" TOP SPUD.
- WHITE POWDER COATED COLD ROLLED STEEL, 20 GAUGE BOX WITH 20 GAUGE FACE PLATE, BRASS FINISH 1/4 TURN VALVES- 1/2" SWEAT CONNECTION, 2" SLIPNUT DRAIN KIT INCLUDED.
- PROVIDE WITH OPTIONS MSG2424, 889CC, 833AA, 832AA AND QDC32.

EQUIPMENT CAPACITIES:

WATER TEMPERING DEVICES

WATER TEMPERING DEVICE #1 (WTD-1)
(LAVATORIES & HAND SINKS)
SYSTEM: TEMPER 120°F TO 110°F
ASSE 1070 RATED.

MANUFACTURER: POWERS MODEL LFLM495



FLOOR PLAN/RISER CROSS-REFERENCE



655 Winding Brook Dr.
Glastonbury, CT 06033
t: 860.657.2500
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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date March 29, 2019

Job Number GL-2019-19

Scale NOT TO SCALE

Drawn LMD

Checked LMD

Drawing Name

PLUMBING SCHEDULES

Drawing Number

P-800

EQUIPMENT IDENTIFICATION			
KH-XX Unit # Kitchen Hood	EF-X Unit # Exhaust Fan	DBF-X Unit # Dryer Booster Fan	AC-XX Unit # Air Conditioning Unit
ACCU-XX Unit # Air Cooled Condensing Unit			

MECHANICAL - DEMOLITION - GENERAL NOTES:
1. PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
2. THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
3. REMOVE ALL EXISTING MECHANICAL WORK AS NECESSARY FOR THE PERFORMANCE OF THE WORK OF THIS CONTRACT.
4. REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE NOT RETAINED BY THE OWNER.
5. ANY EQUIPMENT REMOVED DURING DEMOLITION WORK MAY BE RETAINED BY THE OWNER AT HIS OPTION. ANY SUCH MATERIAL SHALL BE STORED IN THE BUILDING AT A LOCATION DESIGNATED BY THE OWNER. REMOVAL OF SUCH MATERIAL FROM THE JOB SITE SHALL BE THE OWNER'S RESPONSIBILITY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE ENCOUNTERED AS A RESULT OF WORK UNDER THIS CONTRACT.
7. COORDINATE ALL SHUTDOWNS OF EXISTING HVAC SYSTEMS WITH THE OWNER.
8. KEY NOTES DESCRIBE IN GENERAL THE SCOPE OF EQUIPMENT REMOVED. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH NEW WORK PLANS PRIOR TO REMOVING THE ITEM.

HVAC DUCTWORK GENERAL NOTES:
1. ALL DUCT CONNECTIONS TO EQUIPMENT SHALL BE FLEX CONNECTION TYPE.
2. INSTALL UNITS WITH CLEARANCE FOR SERVICE.
3. PROVIDE LOW LEAK VOLUME DAMPERS WITH LOCKING QUADRANTS AT ALL TAKEOFFS AND TO EACH SUPPLY AIR DIFFUSER AND INLET, EXHAUST AIR DIFFUSER. EACH DAMPERS IN DUCTS 12" AND MORE SHALL BE OPPOSED BLADE TYPE.
4. SHOWN DUCT SIZES ARE CLEAR INSIDE DIMENSION.
5. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, NOT EXACT EQUIPMENT LOCATION. ALL CONTRACTORS MUST COORDINATE EQUIPMENT LOCATIONS WITH OTHER TRADES BEFORE WORK BEGINS. DUCT PENETRATIONS AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL PLANS.
6. THE SUPPLY, RETURN AND EXHAUST AIR SYSTEMS SHALL BE PURGED TO ENSURE ALL FOREIGN PARTICLES ARE REMOVED PRIOR TO THE FINAL CONNECTION TO AIR TERMINAL DEVICES. PROVIDE REPORT FOR THE RECORD.
7. THE LOCATION OF ALL DIFFUSERS, REGISTERS AND GRILLES SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
8. ALL DUCTWORK ELBOWS (EXCEPT FOR THE HOOD EXHAUST DUCTWORK) ARE TO BE FULL RADIUS OR SQUARED WITH DOUBLE THICKNESS TURNING VANES.
9. ALL MATERIALS ABOVE CEILING SHALL BE PLENUM RATED.
10. HVAC EQUIPMENT AND DUCTS SHALL NOT BE USED FOR TEMPORARY HEATING, COOLING OR VENTILATION.
11. PROVIDE FLEXIBLE CONNECTIONS AT ALL LOCATIONS WHERE DUCTS CROSS EXPANSION OR SEISMIC JOINTS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
12. REFER TO SPECIFICATION FOR THROUGH PENETRATION FIRE STOP SYSTEMS FOR SEALING PENETRATIONS THROUGH FIRE RATED CONSTRUCTION REQUIREMENTS.
13. ALL TOILET ROOMS AND STORAGE ROOMS SHALL HAVE 3/4" UNDERCUT DOORS.
14. ALL ROOF MOUNTED EQUIPMENT THAT NEEDS SERVICING SHALL BE LOCATED A MINIMUM OF 10'-0" FROM THE EDGE OF THE ROOF.

HVAC CONTROLS GENERAL NOTES:
1. ALL ELECTRIC WIRING, CONNECTIONS, DEVICES, RACEWAY AND HARDWARE REQUIRED FOR THE INSTALLATION OF THE TEMPERATURE CONTROL SYSTEM AS SPECIFIED AND SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE TEMPERATURE CONTROLS CONTRACTOR (TCC).
2. ALL CONTROL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTROL SYSTEM MANUFACTURER'S REQUIREMENTS AND CURRENT CODE.
3. ALL LOW VOLTAGE CONTROL WIRING SHALL BE PLENUM RATED CABLE OF TYPES AND SIZES REQUIRED BY THE CONTROL SYSTEM MANUFACTURER.
4. PROVIDE MINIMUM OF 3/4" EMT CONDUIT FOR ALL WIRING EXPOSED TO VIEW AND FOR WIRING DROPS AND RUNS WITHIN NEW WALLS. ALL CONDUITS SHALL TERMINATE WITH JUNCTION BOXES OR OUTLET BOXES. PROVIDE BUSHINGS FOR ALL WIRING ENTERIES INTO THE CONDUIT SYSTEM.
5. ALL TEMPERATURE CONTROL WIRING SHALL BE NEATLY INSTALLED WITH CABLE RUNS INSTALLED PARALLEL TO OR AT RIGHT ANGLES TO THE LINES OF THE BUILDING. ALL WIRING IN NORMALLY OCCUPIED AREAS OF THE BUILDING SHALL BE CONCEALED FROM VIEW. OPEN CABLE RUNS ABOVE CEILINGS SHALL BE BUNDLE TIED WITH PLASTIC CABLE TIES AND SHALL BE SUPPORTED FREE FROM THE CEILING AND MECHANICAL/ELECTRICAL EQUIPMENT USING APPROVED CABLE HANGERS AND CABLE CLIPS.
7. THE TEMPERATURE CONTROL CONTRACTOR SHALL COORDINATE POWER SUPPLY REQUIREMENTS OF THE CONTROL SYSTEM WITH DIVISION 26.
8. REFER TO SPECIFICATION FOR ADDITIONAL CONTROLS REQUIREMENTS AND THE EQUIPMENT SEQUENCE OF OPERATIONS.
9. ALL CONTROLS DEVICES AND ELECTRONICS SHALL BE INSTALLED WITHIN A NEMA-1 ENCLOSURE LOCATED WITHIN PROXIMITY TO THE EQUIPMENT SERVED.
10. REFER TO MECHANICAL SPECIFICATIONS FOR SEQUENCE OF OPERATIONS AND ADDITIONAL DDC SENSOR REQUIREMENTS

GREASE DUCTWORK GENERAL NOTES:
1. GREASE EXHAUST DUCTWORK SHALL BE INSTALLED WITH A MINIMUM 2 PERCENT SLOP TOWARD THE HOOD ON HORIZONTAL RUN.
2. PROVIDE ACCESS PANEL EVERY 15 FEET AND EVERY CHANGE IN DIRECTION OF HORIZONTAL DUCTWORK.
3. PROVIDE ACCESS PANEL IN VERTICAL DUCTS ON EVERY FLOOR.
4. GREASE DUCTWORK SHALL BE STAINLESS STEEL.
5. JOINTS, SEAMS AND PENETRATIONS OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD OR BRAZE MADE ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM.

DRYER VENT DUCTWORK GENERAL NOTES:
1. DRYER VENT DUCTWORK SHALL BE ALUMINUM
2. JOINTS AND SEAMS OF DRYER VENT DUCTWORK SHALL BE POP-RIVETED.
3. VERTICAL RISER SHALL BE PROVIDED WITH A CLEANOUT.

GENERAL SYMBOLS	
	THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
	THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
	SUB LETTERS "EX" INDICATES EXISTING EQUIPMENT TO REMAIN INTACT
HVAC SYMBOLS	
	RECTANGULAR, FLAT OVAL OR ROUND AIR DUCT
	AIR DUCT WITH ACOUSTICAL LINING
	SUPPLY AIR DUCT UP
	SUPPLY AIR DUCT DOWN
	RETURN AIR DUCT UP
	RETURN AIR DUCT DOWN
	EXHAUST AIR DUCT UP
	EXHAUST AIR DUCT DOWN
	ACCESS DOOR
	FLEXIBLE DUCT CONNECTION
	CEILING SUPPLY DIFFUSERS
	CEILING RETURN / EXHAUST GRILLE
	DIRECTION OF SUPPLY OR OUTDOOR AIRFLOW
	DIRECTION OF RETURN OR EXHAUST AIRFLOW
	BACK DRAFT DAMPER
	VOLUME DAMPER
	FIRE DAMPER
	FIRE DAMPER WITH INTEGRAL SECURITY BARS
	MOTORIZED DAMPER
	VARIABLE FREQUENCY CONTROLLER
	ROOM THERMOSTAT OR TEMPERATURE SENSOR
DUCT SIZING	
20x12	RECTANGULAR DUCT
200	ROUND DUCT

DIFFUSER AND REGISTER SCHEDULE	
TYPE	DESCRIPTION
A	TITUS CEILING-MOUNTED SUPPLY DIFFUSER MODEL 'TDC'. PROVIDE ALL ALUMINUM CONSTRUCTION, BORDER TYPE 3, 'LAY-IN' SQUARE NECK.
B	TITUS CEILING-MOUNTED RETURN/EXHAUST GRILLE MODEL '355RL', 1/2" SPACING, 35". PROVIDE IN ALL-ALUMINUM CONSTRUCTION, FIXED DEFLECTION WITH BORDER TYPE '3' LAY-IN.
B1	TITUS CEILING/DUCT-MOUNTED RETURN/EXHAUST GRILLE MODEL '355RL', 1/2" SPACING, 35". PROVIDE IN ALL-STEEL CONSTRUCTION, FIXED DEFLECTION WITH BORDER TYPE '1' SURFACE MOUNT.
GENERAL NOTES:	
- SHEET METAL CONTRACTOR SHALL PROVIDE VOLUME DAMPER IN ALL BRANCHES TO DIFFUSERS AND GRILLES FOR PROPER SYSTEM BALANCE.	
- REFER TO DRAWINGS FOR GRILLES/DIFFUSERS LOCATIONS AND SIZES.	
- CONTRACTOR TO VERIFY COMPATIBILITY WITH CEILING SPECIFIED UNDER ARCHITECTURAL DIVISION PRIOR TO GRILLE/DIFFUSER ORDERING.	
- COLOR BY ARCHITECT.	

DUCTLESS AIR CONDITIONER UNIT SCHEDULE																	
UNIT No.	AREA SERVED	MANUF.	SYSTEM DATA				INDOOR UNIT DATA				OUTDOOR UNIT DATA				REMARKS		
			COOLING (MBH)	SEER	MODEL	TYPE	VOLTS	PHASE	MCA	UNIT NO.	MODEL	VOLTS	PHASE	MCA		MOCF	REF. TYPE
ACU-01 *	KITCHEN	DAIKIN	30	13	PLA-A30AA	CASSETTE	208	1	1	ACCU-01	PUZ-A30NHA	208	1	25	30	R410	REFER TO NOTES
ACU-02 *	KITCHEN	DAIKIN	30	13	PLA-A30AA	CASSETTE	208	1	1	ACCU-01	PUZ-A30NHA	208	1	25	30	R410	REFER TO NOTES

- NOTES:**
- UNIT MANUFACTURER SHALL PROVIDE REMOTE CONTROLLER WITH WALL MOUNTING HOLDER FOR INDOOR UNIT.
 - PROVIDE REFRIGERATION PIPING WITH CONNECTIONS TO INDOOR UNIT AND OUTDOOR UNIT. INSULATE ALL REFRIGERANT PIPING.
 - POWER WIRING AND RACEWAY BY DIVISION 26.
 - DISCONNECT AND STARTING RELAYS FURNISHED BY DIVISION 23.
 - PROVIDE SEISMIC SUPPORT RAIL FOR OUTDOOR UNIT. REFER TO SPECIFICATIONS FOR MORE INFORMATION ON SEISMIC DETAILS.
 - UNIT USING CFC REFRIGERANTS WILL NOT BE ACCEPTABLE.
 - MANUFACTURER TO PROVIDE AIR OUTLET SHUTTER TO BLOCK THE OUTLET FACING THE HOOD.
- * ADD ALTERNATE

EXHAUST FAN SCHEDULE															
UNIT NO.	AREA SERVED	MANUFACTURER	TYPE	MODEL	CFM	ESP (in-wg)	FAN RPM	HP	PH	VOLT	SONES	SPEED CONTROL	LOCATION	WEIGHT (LB)	REMARKS
EF-01	KITCHEN HOOD	COOK	UPBLAST CENTRIFUGAL	330VX11B	6200	2.00	1086	5	3	208	28	VFD	ROOF	408	1 TO 9
EF-02	KITCHEN EXHAUST	COOK	UPBLAST CENTRIFUGAL	150R17DV2J	1210	0.60	982	0.5	1	208	8.1	EC	ROOF	87	10 TO 16

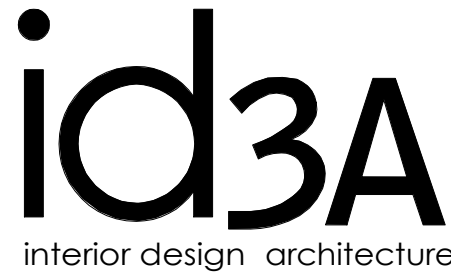
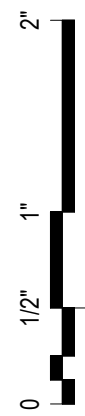
- NOTES:**
- ROOF CURB ADAPTER.
 - PREMIUM EFFICIENCY MOTOR
 - DISCONNECT NEMA 3 PRE-WIRED
 - GREASE TERMINATOR WITH EXTENDED LUBE LINES
 - 'VE-41' VENTED EXTENSION
 - STAINLESS STEEL HARDWARE
 - BELT TENSION-ROTARY
 - SPARE BELT SET
 - SHAFT GROUNDING RING
 - FAN MOUNTED SPEED CONTROL
 - DISCONNECT NEMA 3 PRE-WIRED
 - ALUMINUM GRAVITY BACK DRAFT DAMPER
 - HINGED BASE KIT
 - ALUMINUM BIRDSCREEN
 - STAINLESS STEEL HARDWARE
 - ROOF CURB ADAPTER.

DRYER EXHAUST BOOSTER FAN SCHEDULE											
UNIT NO.	AREA SERVED	MANUFACTURER	TYPE	MODEL	CFM	ESP (in-wg)	HP	PH	VOLT	LOCATION	REMARKS
DBF-01	CLOTHES DRYER	VENTS-US	CENTRIFUGAL INLINE	VKP 125	208	0.20	0.1	1	120	CLEANING 3	REFER TO NOTES

- NOTES:**
- THERMAL OVERLOAD PROTECTION.
 - SOLID STATE VARIABLE SPEED AC MOTOR CONTROL SERIES 'KBWC' BY 'KB ELECTRONICS, INC.'. TO BE USED FOR ONE TIME TO BALANCE THE BACK PRESSURE (AT VENT CONNECTION TO DRYER) IN ACCORDANCE WITH MANUFACTURER INSTRUCTION. PROVIDE WITH PROTECTIVE CABINET WITH BACKPLATE, KEY LOCK AND CLEAR COVER.
 - PROVIDE LINT TRAP MODEL 'DBLT 4W' BY 'FANTECH'

VARIABLE FREQUENCY DRIVE SCHEDULE						
UNIT No.	SERVES	HP	MANUF.	MODEL	LOCATION	REMARKS
VFD-EF-01	EF-01	5	ABB	ACH550	KITCHEN	REFER TO NOTES

- NOTES:**
- POWER WIRING AND RACEWAY BY DIVISION 26.
 - DISCONNECT AND STARTING RELAYS FURNISHED BY DIVISION 23.
 - REFER TO SCHEDULE FOR MOTOR VOLTAGE AND PHASE REQUIREMENT.
 - VFD SHALL HAS MANUAL BYPASS.



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

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Revisions

Issue Record

Seal

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Drawing Information

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Job Number GL-2019-19

Scale As indicated

Drawn WKH

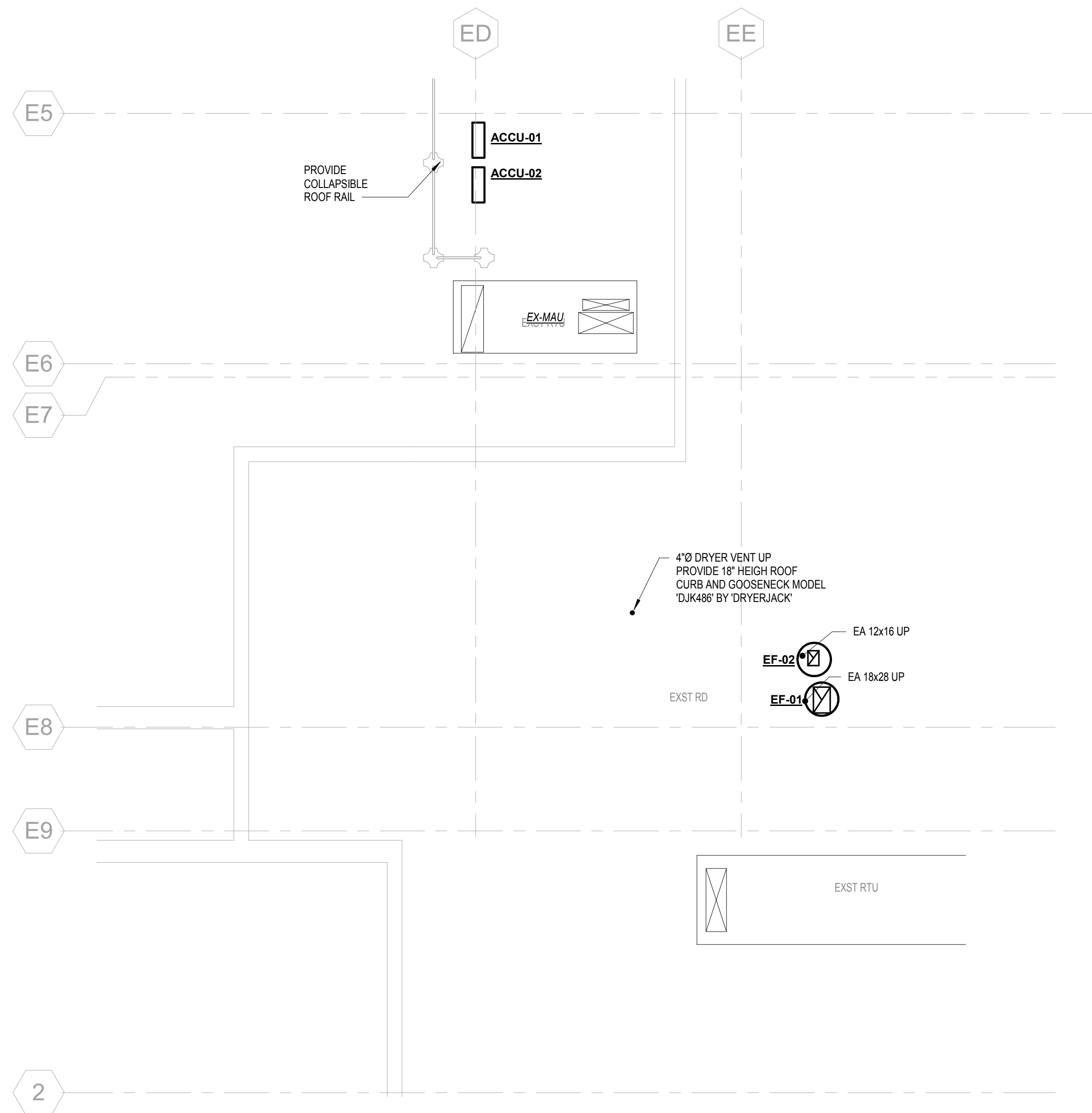
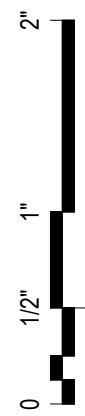
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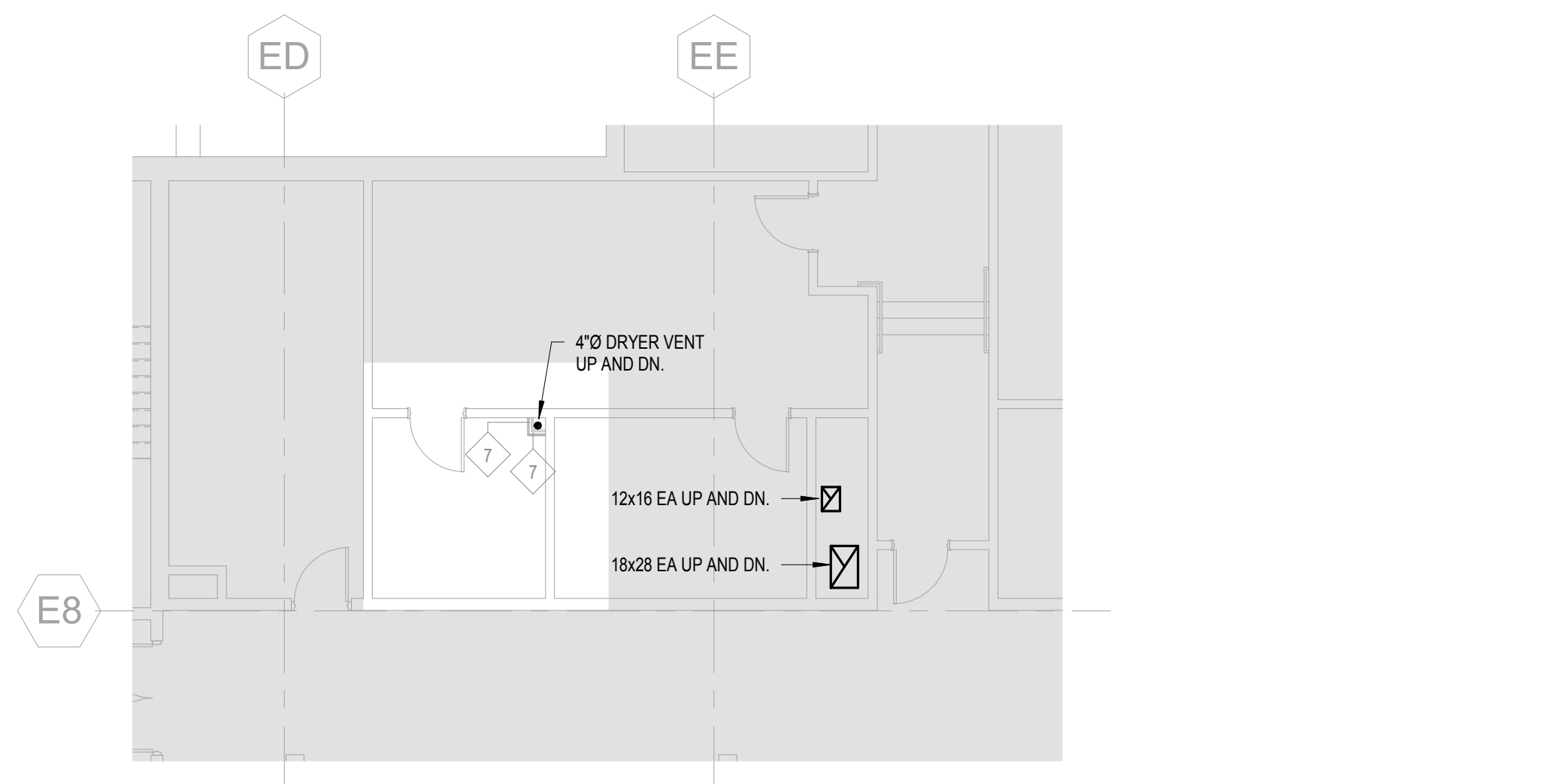
HVAC GENERAL NOTES, SYMBOLS, AND MECHANICAL SCHEDULES

Drawing Number

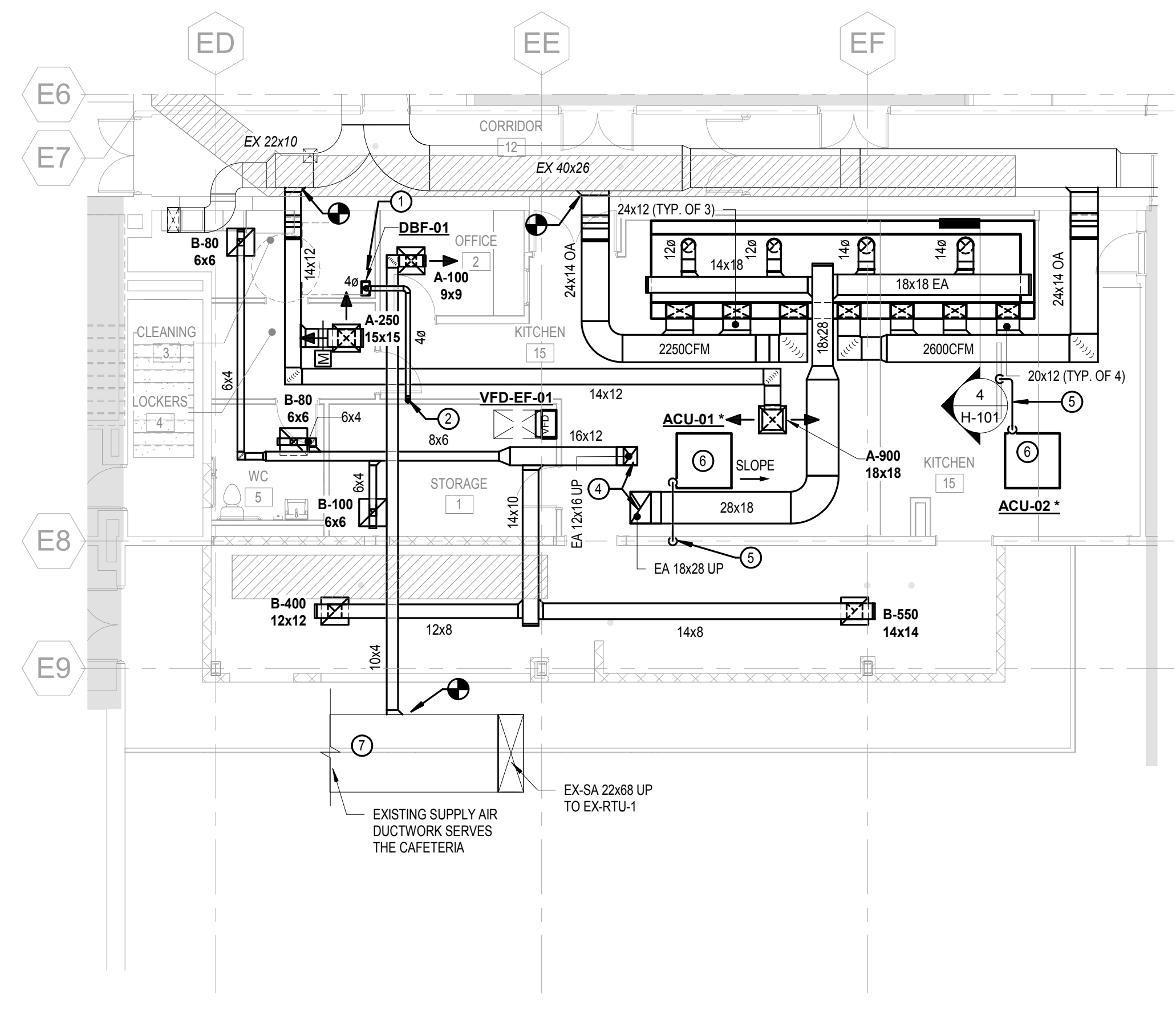
H-000



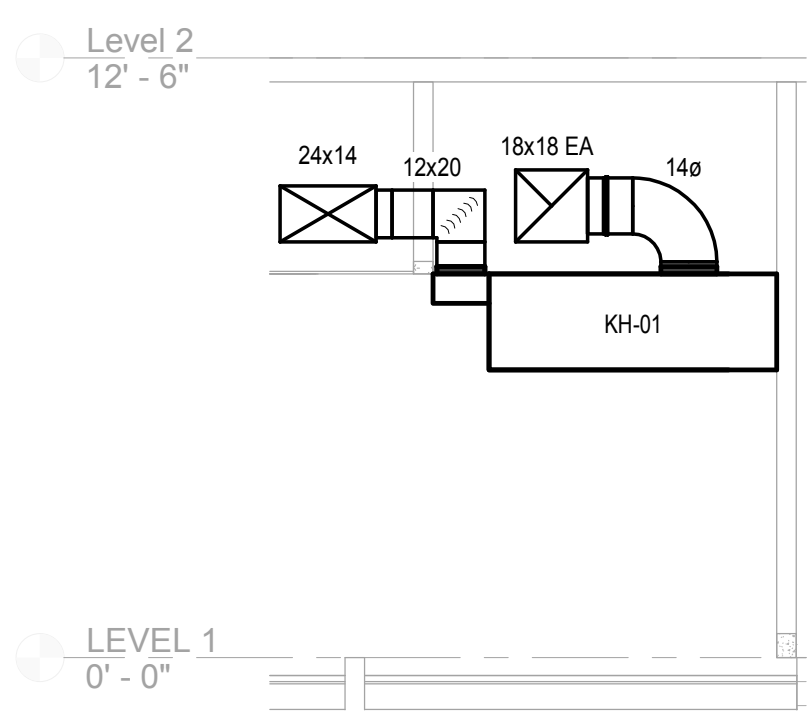
3 ROOF HVAC PLAN
1/8" = 1'-0"



2 SECOND FLOOR HVAC PLAN
1/8" = 1'-0"



1 FIRST FLOOR HVAC PLAN
1/8" = 1'-0"



4 HVAC ELEVATION - KITCHEN HOOD DUCTWORK
1/4" = 1'-0"

- DRAWING #H-101 KEYED NOTES:**
- ① 4" EXHAUST FROM CLOTHES DRYER.
 - ② 4" DRYER EXHAUST DUCT UP THROUGH STORAGE E211 TO ROOF. PROVIDE DUCTWORK CLEANOUT AT THE BOTTOM OF THE RISER.
 - ③ 16x28 EA UP TO 'EF-01' ON ROOF.
 - ④ REUSE EXISTING DUCTWORK FLOOR OPENING, ROOF OPENING, AND ROOF CURB FOR INSTALLATION OF NEW EXHAUST AIR DUCTWORK AND EXHAUST FAN. PROVIDE ROOF CURB ADAPTER FOR INSTALLATION OF NEW EXHAUST FAN. EXISTING ROOF CURB TO BE REINSULATED BY OTHER DIVISION.
 - ⑤ 1" CONDENSING DRAIN TO FLOOR DRAIN (ADD ALTERNATE)
 - ⑥ PIPE RL&RS TO ACCU ON ROOF (ADD ALTERNATE)
 - ⑦ BALANCE EXISTING SUPPLY AIR DUCTWORK TO PROVIDE EXISTING AIR FLOW PRIOR TO RENOVATION. ONE EXCEPTION IS TO REDUCE THE AIR FLOW FROM THE FIRST DIFFUSER IN THE CAFETERIA BY 100CFM.

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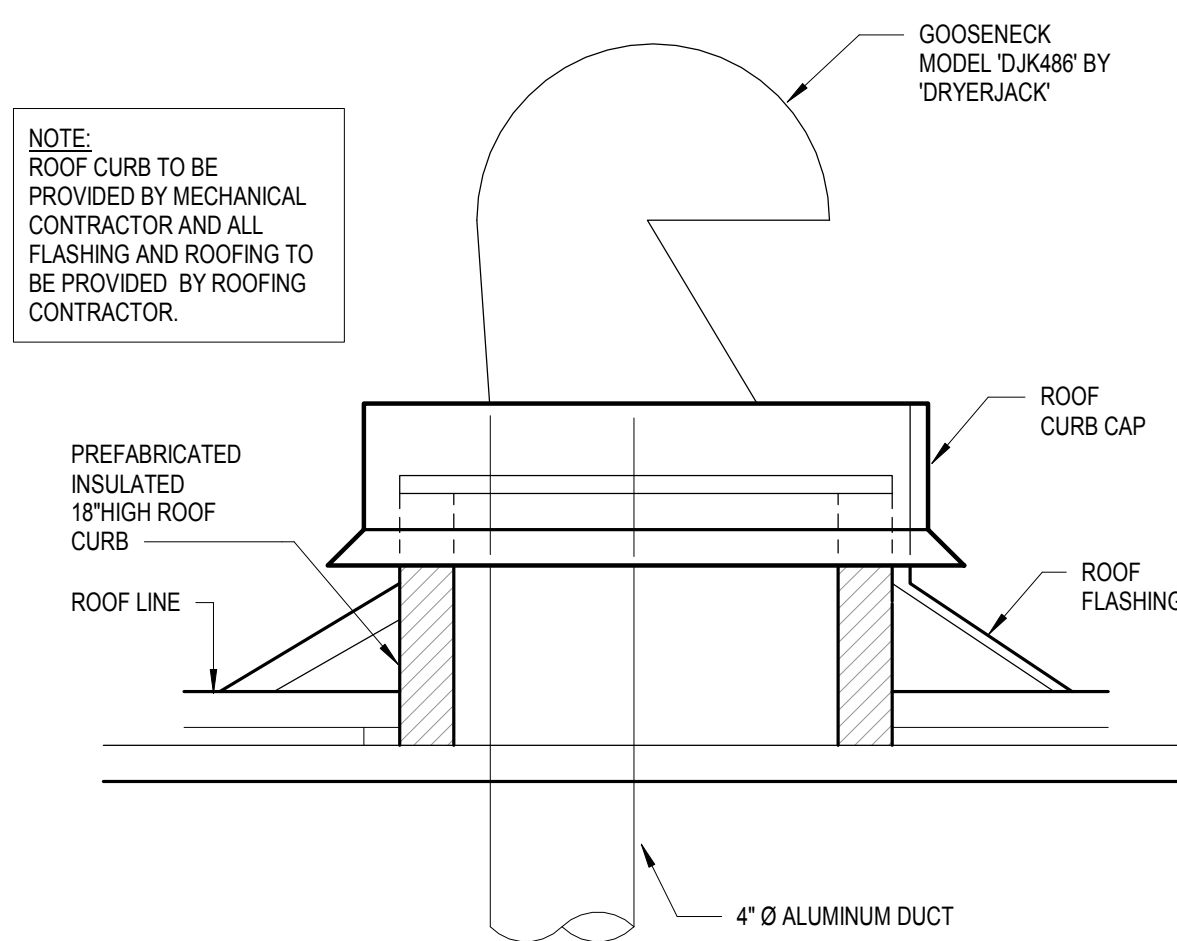
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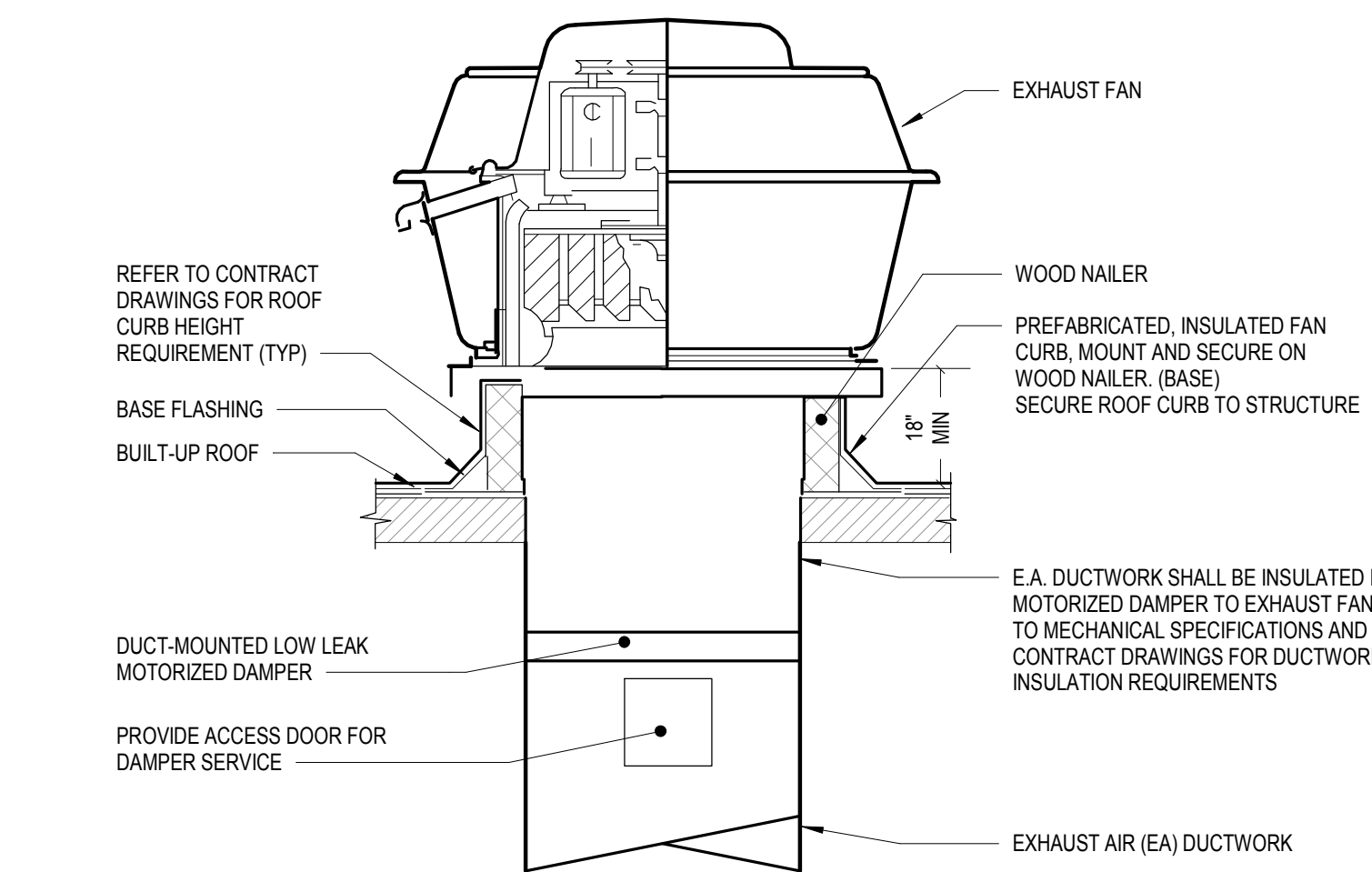
FIRST FLOOR AND ROOF HVAC PLAN

Drawing Number

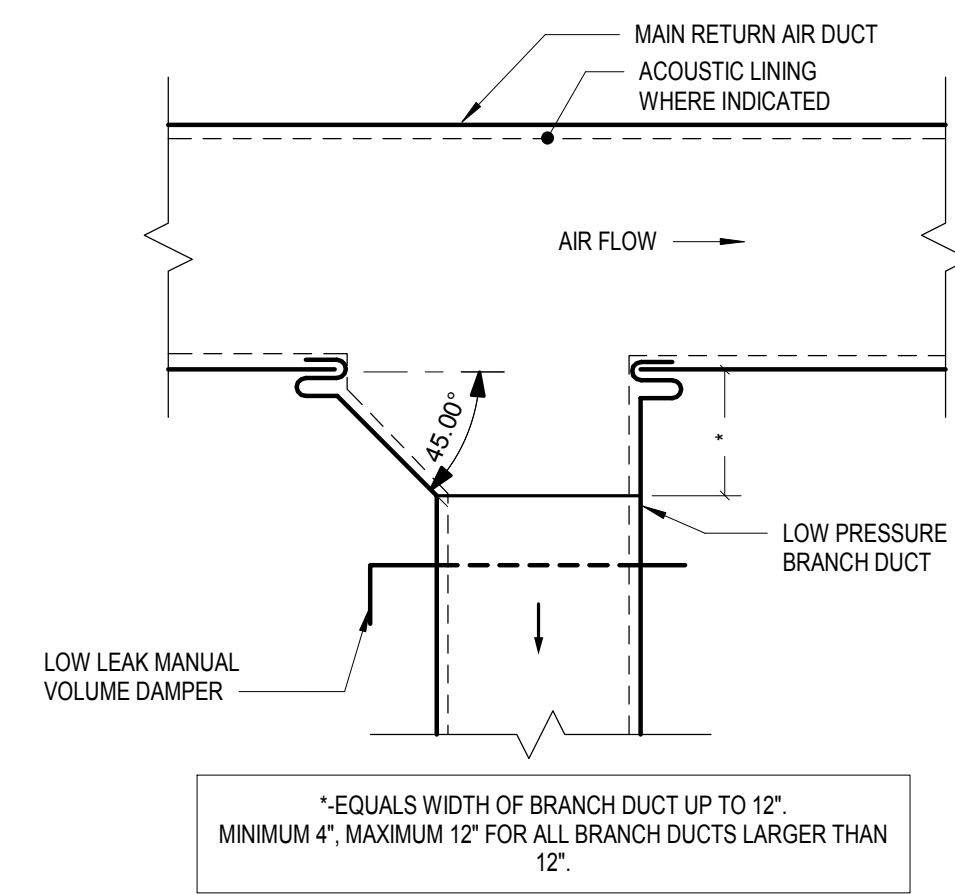
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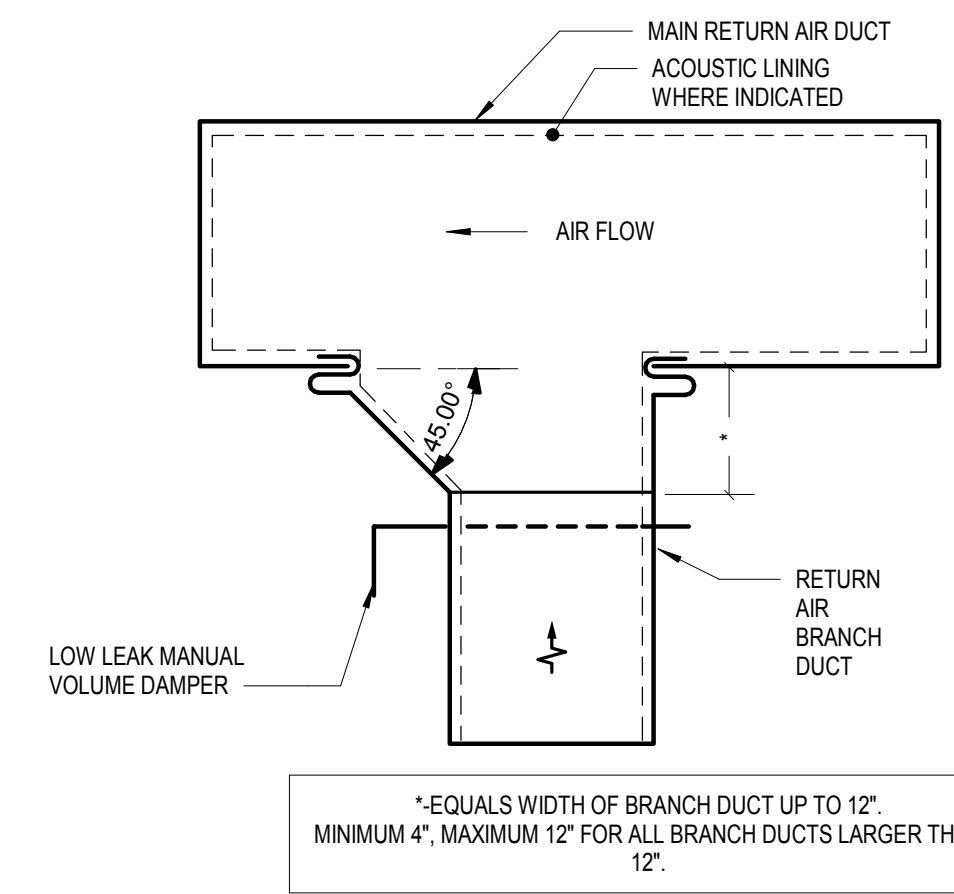
1 TYPICAL DRYER EXHAUST DUCT ROOF CURB DETAIL
H-401 NONE



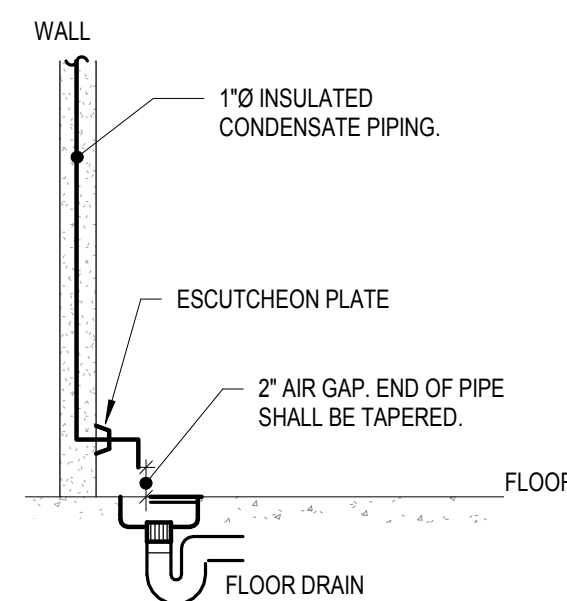
2 TYPICAL ROOF-MOUNTED EXHAUST FAN DETAIL
H-401 NONE



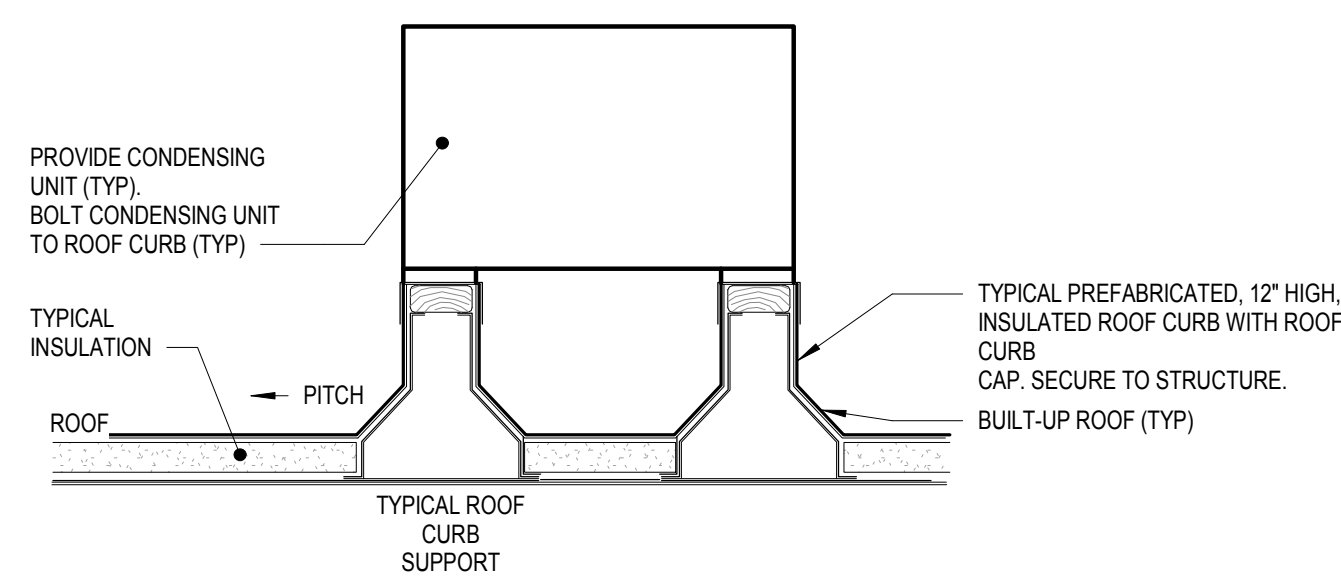
3 TYPICAL SUPPLY AIR BRANCH DUCT TAKE-OFF DETAIL
H-401 NONE



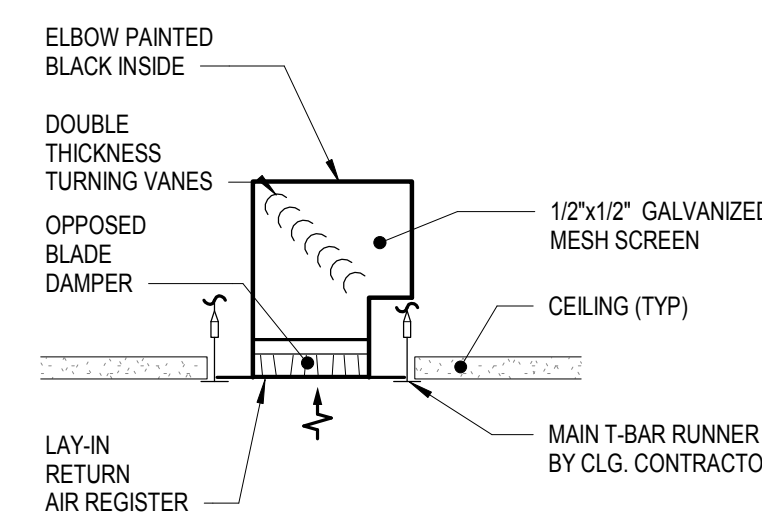
4 TYPICAL RETURN AIR BRANCH DUCT TAKE-OFF DETAIL
H-401 NONE



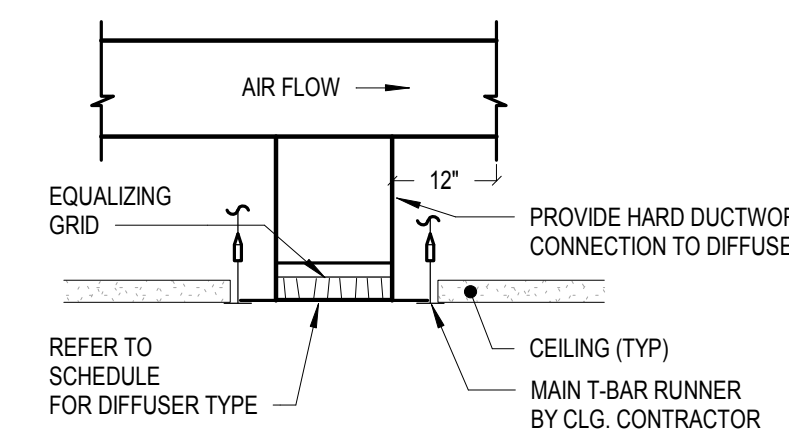
5 TYPICAL CONDENSATE PIPING CONNECTION TO OPEN DRAIN DETAIL
H-401 NONE



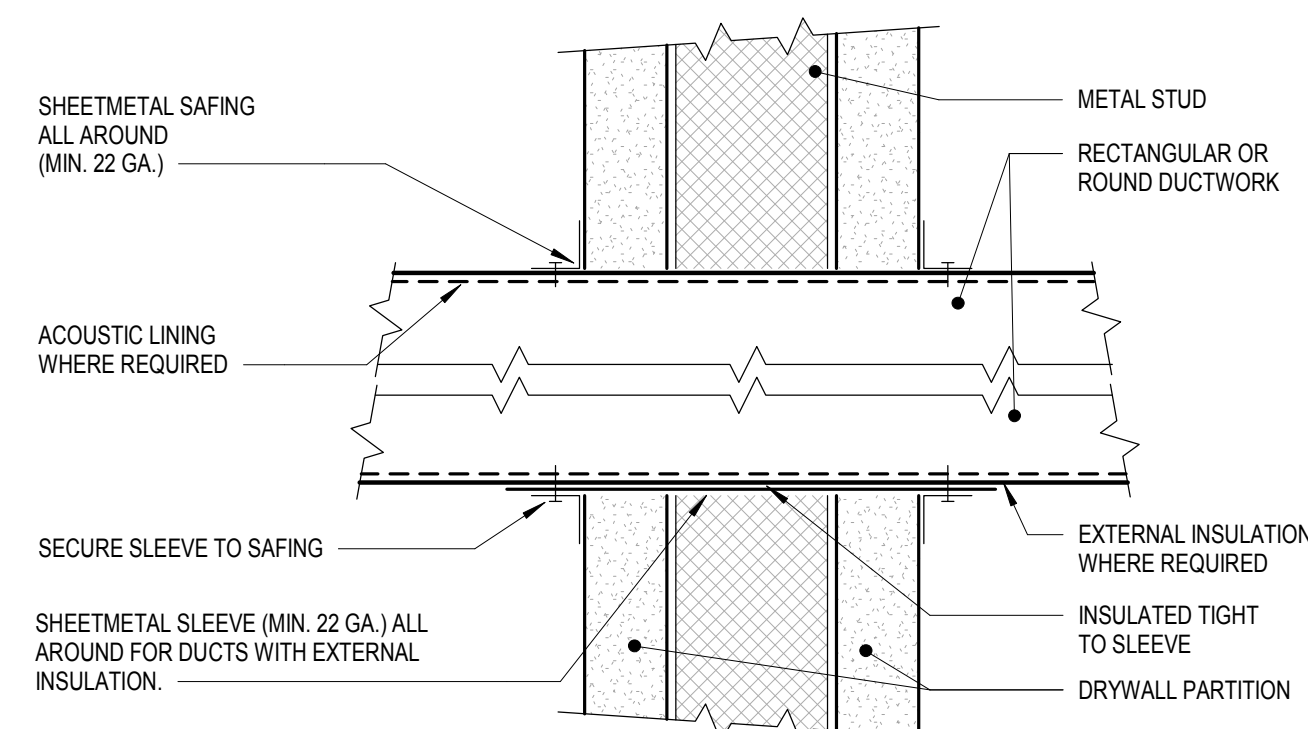
6 TYPICAL CONDENSING UNIT
H-401 NONE



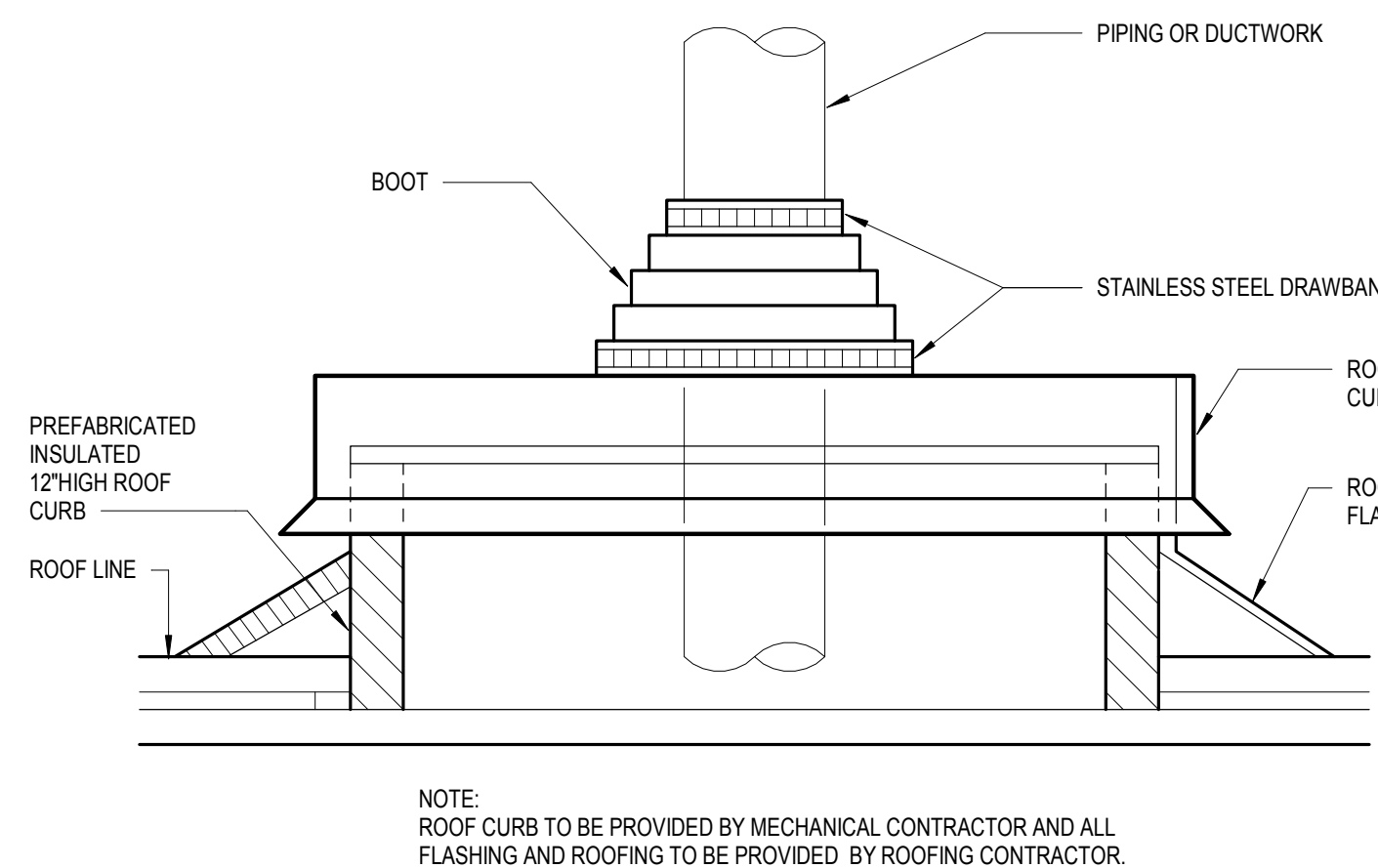
7 TYPICAL EXHAUST AIR REGISTER DETAIL
H-401 NONE



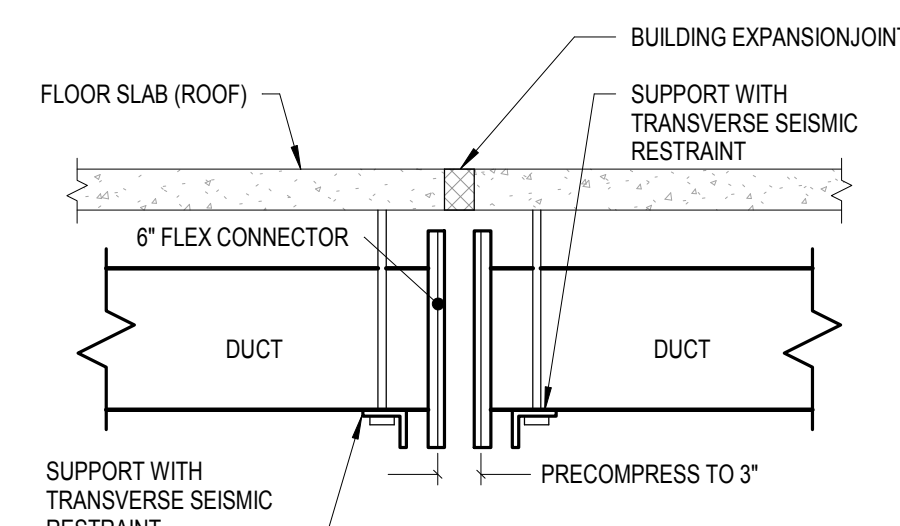
8 TYPICAL DIFFUSER DUCTWORK CONNECTION DETAIL
H-401 NOT TO SCALE



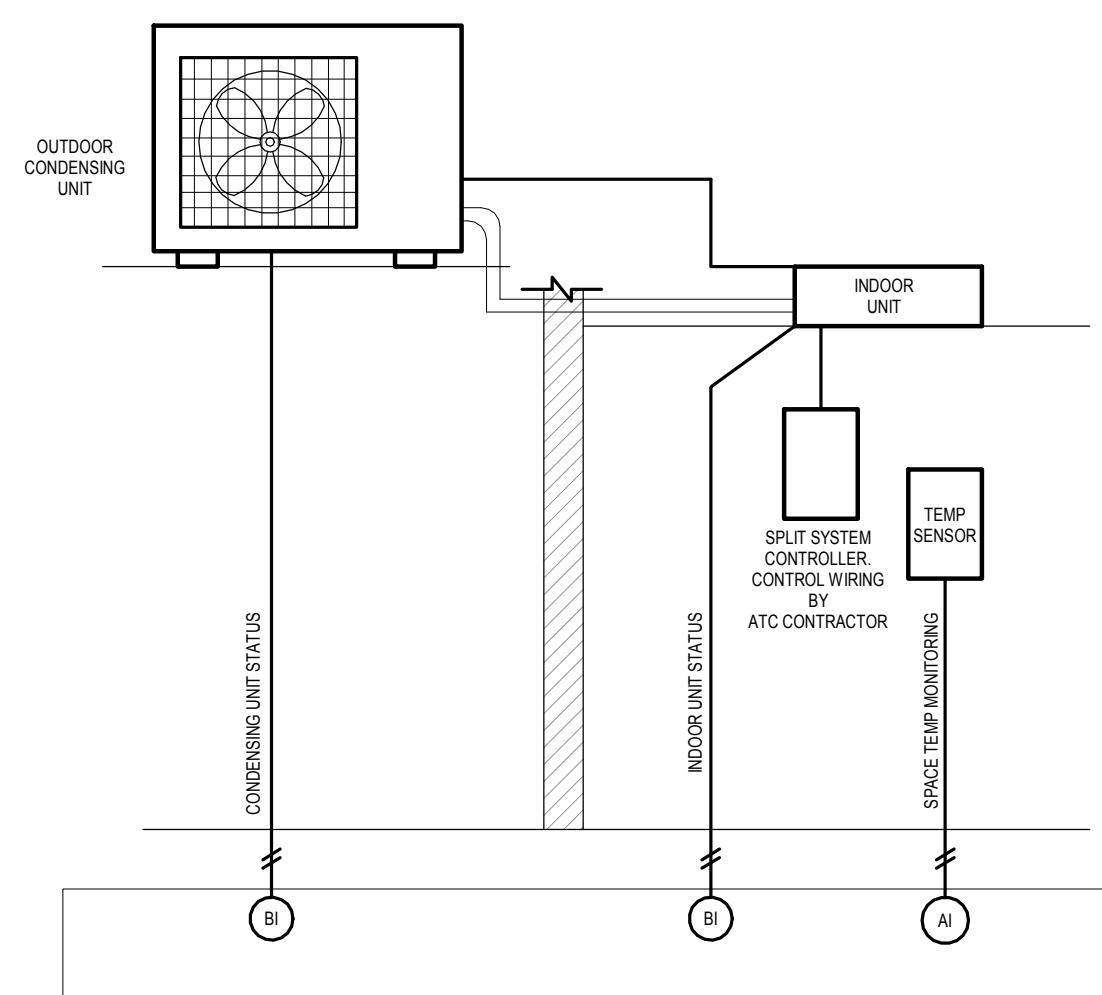
9 TYPICAL DUCT PENETRATION THROUGH NON-FIRE RATED WALL DETAIL
H-401 NONE



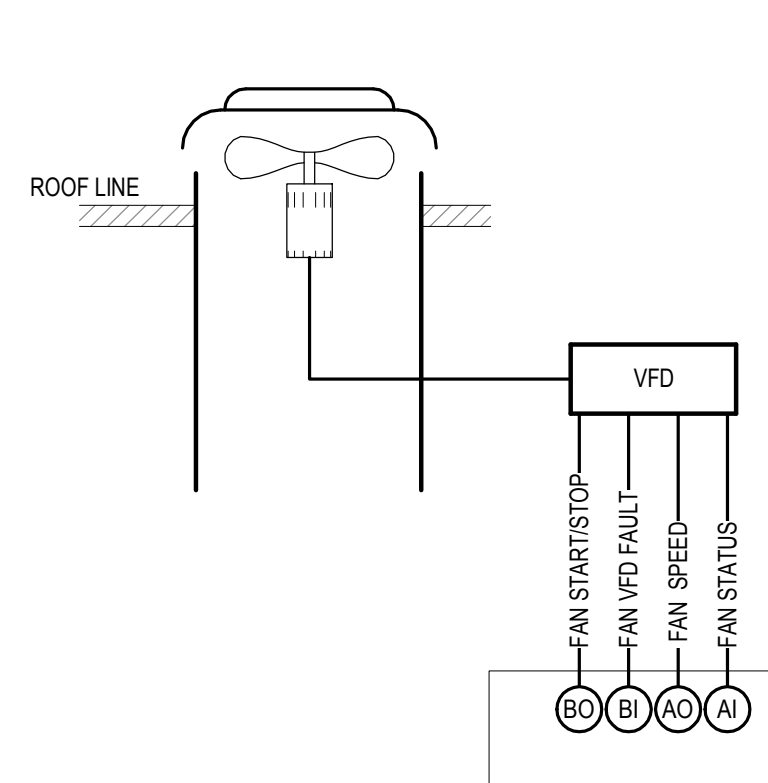
10 TYPICAL PIPING ROOF CURB DETAIL
H-401 NONE



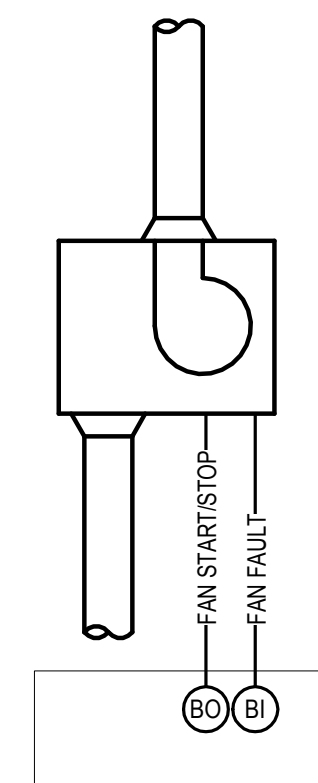
11 TYPICAL FLEXIBLE DUCT CONNECTION DETAIL
H-401 NONE



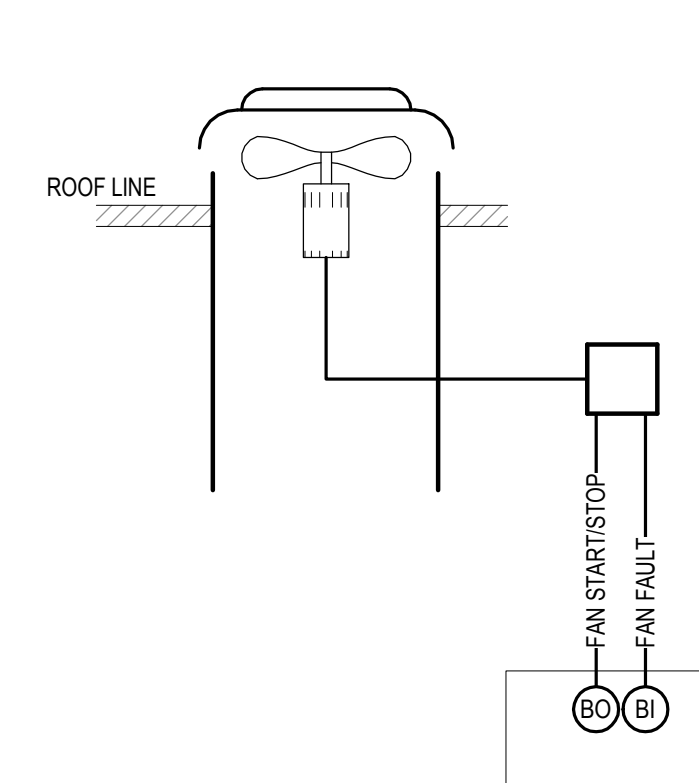
12 TYPICAL AIR CONDITIONING UNIT CONTROL DIAGRAM
H-401 NOT TO SCALE



13 EXHAUST FAN 'EF-01' CONTROL DIAGRAM
H-401 NOT TO SCALE



14 DRYER BOOSTER FAN 'DBF-01' CONTROL DIAGRAM
H-401 NOT TO SCALE



15 EXHAUST FAN 'EF-02' CONTROL DIAGRAM
H-401 NOT TO SCALE

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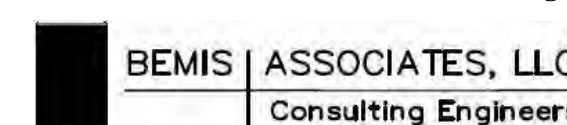
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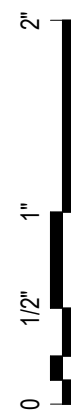
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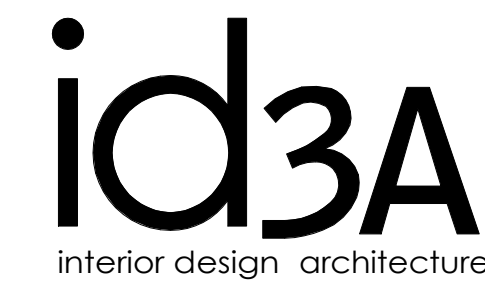
HVAC DETAILS AND CONTROL DIAGRAMS

Drawing Number

H-401



ELECTRICAL DRAWING LEGEND		
SYMBOLS		ABBREVIATIONS
	2' X 4' LIGHT FIXTURE, TYPE AS DESIGNATED	A AMPS.
	2' X 4' LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK, TYPE AS DESIGNATED.	AC ABOVE COUNTER.
	2' X 2' LIGHT FIXTURE, TYPE AS DESIGNATED	AFF ABOVE FINISHED FLOOR (CENTERLINE OF DEVICE OR EQUIPMENT).
	WALL MOUNT LED LIGHT FIXTURE, FIXTURE TYPE AS DESIGNATED.	AWG AMERICAN WIRE GAUGE.
	SELF-CONTAINED UNIVERSAL MOUNT SINGLE FACE LED EXIT SIGN LIGHT FIXTURE, TYPE AS DESIGNATED.	C CONDUIT.
	SELF-CONTAINED TWO-HEADED WALL MOUNTED EMERGENCY LIGHT FIXTURE, TYPE AS DESIGNATED.	C/B CIRCUIT BREAKER.
S	SINGLE POLE TOGGLE SWITCH, 48" AFF UNLESS NOTED DIFFERENTLY.	CTR CONTACTOR
S ₃	THREE WAY TOGGLE SWITCH, 48" AFF UNLESS NOTED DIFFERENTLY.	CU CONDENSING UNIT.
S _{oc}	LINE VOLTAGE WALL SWITCH OCCUPANCY SENSOR, 48" AFF UNLESS NOTED DIFFERENTLY.	EF EXHAUST FAN.
	PANELBOARD	EWH ELECTRIC WALL HEATER
	BRANCH CIRCUIT WIRING. CROSS LINES INDICATE NUMBER OF CONDUCTORS.	GFCI INDICATES DEVICE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
	BRANCH CIRCUIT HOMERUN IN CONDUIT. CROSS LINES INDICATE NUMBER OF CONDUCTORS.	GND GROUND.
	GROUND.	JB JUNCTION BOX.
	JUNCTION BOX.	KVA KILOVOLT-AMPS.
	STARTER	KW KILOWATT.
	COMBINATION STARTER/DISCONNECT SWITCH.	MW MICROWAVE
	DISCONNECT SWITCH.	NAC NOTIFICATION APPLIANCE CIRCUIT.
	FUSED DISCONNECT SWITCH.	N.C. NORMALLY CLOSED.
	VARIABLE FREQUENCY DRIVE.	NEC NATIONAL ELECTRICAL CODE.
	MOTOR POWER CONNECTION, EQUIPMENT AS DESIGNATED.	NFPA NATIONAL FIRE PROTECTION ASSOCIATION.
	SPECIAL EQUIPMENT POWER CONNECTION, EQUIPMENT AS DESIGNATED.	N.O. NORMALLY OPEN
⌀	SINGLE RECEPTACLE, 18" AFF UNLESS NOTED DIFFERENTLY.	NTS NOT TO SCALE.
⌀	DUPLEX RECEPTACLE, 18" AFF UNLESS NOTED DIFFERENTLY.	P PUMP.
⌀	QUADRUPLEX RECEPTACLE, 18" AFF UNLESS NOTED DIFFERENTLY.	REF REFRIGERATOR
⌀	SPECIAL CONNECTION RECEPTACLE, 18" AFF UNLESS NOTED DIFFERENTLY.	T TRANSFORMER.
▼	VOICE/DATA OUTLET, 18" AFF UNLESS NOTED DIFFERENTLY.	TP TWISTED PAIR.
▼	DATA OUTLET, 18" AFF UNLESS NOTED DIFFERENTLY.	TSP TWISTED SHIELDED PAIR.
SK	FLUSH CEILING SPEAKER	UH UNIT HEATER.
	WALL MOUNTED CLOCK	UV UNIT VENTILATOR
F	MANUAL PULL STATION, 48" AFF.	V VOLTS.
S	SMOKE DETECTOR.	VAC VOLTS ALTERNATING CURRENT.
S _d	DUCT SMOKE DETECTOR.	VDC VOLTS DIRECT CURRENT.
RTS	DUCT SMOKE DETECTOR REMOTE TEST STATION.	VFD VARIABLE FREQUENCY DRIVE.
CO	CARBON MONOXIDE DETECTOR.	WP WEATHER PROOF.
H	135°F HEAT DETECTOR.	XFMR TRANSFORMER.
FS	FLOW SWITCH.	
TS	TAMPER SWITCH.	
CM	CONTROL MODULE. MOUNT ABOVE CEILING OR IN LOCAL CLOSET.	
MM	MONITOR MODULE. MOUNT ABOVE CEILING OR IN LOCAL CLOSET.	
R	FIRE ALARM RELAY. MOUNT ABOVE CEILING OR IN LOCAL CLOSET.	
■	STROBE, 90" AFF UNLESS NOTED DIFFERENTLY.	
■	SPEAKER/STROBE, 90" AFF UNLESS NOTED DIFFERENTLY.	
E	CALL FOR AID EMERGENCY CALL SWITCH, 48" AFF.	
⊙	CALL FOR AID DOME LIGHT/BUZZER. MOUNT ABOVE DOOR FRAME.	



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Kitchen Code Violation Project

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GL-2019-19

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Revisions

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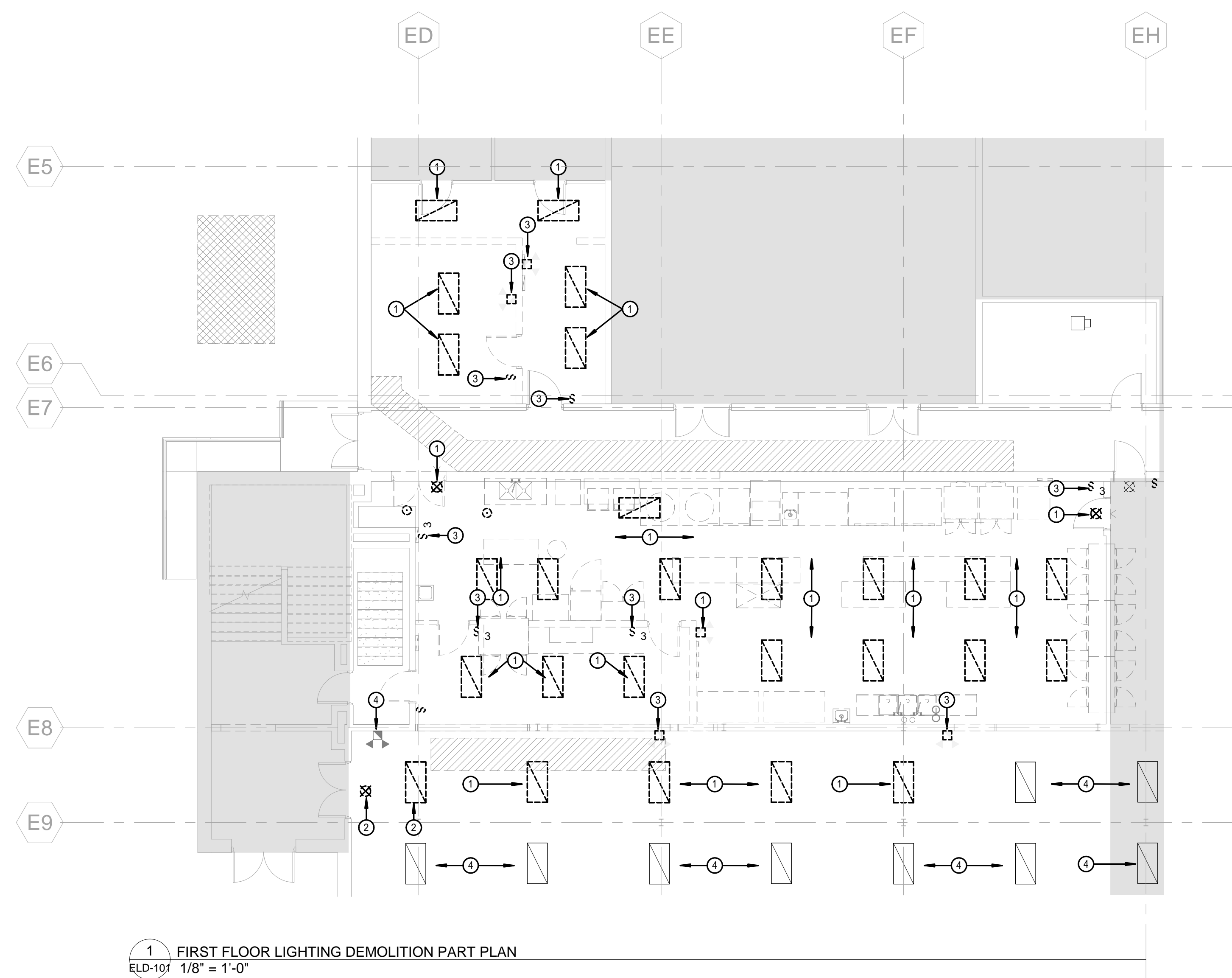
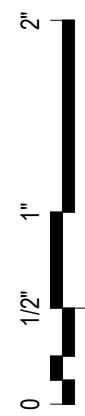
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
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Checked	KPS
Drawing Name	

ELECTRICAL DRAWING LEGEND

Drawing Number

E-000



1 FIRST FLOOR LIGHTING DEMOLITION PART PLAN
 ELD-101 1/8" = 1'-0"

- ELECTRICAL DEMOLITION NOTES:**
1. PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
 2. THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
 3. DEMOLITION WORK SHALL BE COORDINATED WITH CONSTRUCTION PHASING SO THAT EXISTING PORTIONS OF THE BUILDING REMAIN FULLY ACTIVE AND FUNCTIONAL UP UNTIL THE TIME SUCH AREAS ARE TURNED OVER TO THE CONTRACTOR FOR RENOVATION WORK.
 4. COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS. ALL SERVICES AND SYSTEMS SHALL BE MAINTAINED IN OPERATION DURING THE REGULAR SCHOOL DAY. ALL LIFE SAFETY SYSTEMS SHALL BE MAINTAINED IN FULLY OPERATIONAL CONDITION UNTIL THE NEW SYSTEMS HAVE BEEN INSTALLED, TESTED, AND APPROVED.
 5. REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK AS NECESSARY FOR COORDINATION WITH THE WORK OF OTHER TRADES.
 6. MECHANICAL EQUIPMENT SHALL BE REMOVED UNDER OTHER DIVISIONS OF THIS CONTRACT. EQUIPMENT SHALL BE DISCONNECTED UNDER THIS DIVISION.
 7. EXISTING ELECTRICAL EQUIPMENT, WIRING, AND RACEWAYS SHALL NOT BE REUSED UNLESS SPECIFICALLY NOTED OTHERWISE.
 8. REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS THE OWNER WANTS TO RETAIN ANY SUCH MATERIAL FOR HIS USE. MATERIAL REQUESTED BY THE OWNER FOR SALVAGE SHALL BE DELIVERED TO THE OWNER'S DESIGNATED MATERIAL STORAGE AREA, ON SITE.
 9. PROVIDE AND INSTALL BLANK STAINLESS STEEL COVER PLATES OVER ANY EXISTING FLUSH OUTLET BOXES WHICH ARE TO BE ABANDONED IN PLACE.
 10. WHERE EXISTING WIRING TO REMAIN IS BURIED IN EXISTING WALLS OR CEILINGS NOT SCHEDULED FOR DEMOLITION, THE WIRING MAY BE DISCONNECTED, CUT BACK TO BELOW THE FINISHED SURFACE, AND LEFT IN PLACE. THE SURFACE OF THE EXISTING WALL OR CEILING SHALL THEN BE PATCHED AND REFINISHED TO MATCH THE ORIGINAL FINISH. WHERE EXISTING WIRING IS RUN BELOW FLOOR SLABS NOT SCHEDULED FOR DEMOLITION, THE WIRING SHALL BE DISCONNECTED AND REMOVED FROM ITS RACEWAY. THE RACEWAY SHALL THEN BE CUT BACK TO BELOW THE FINISHED FLOOR SURFACE AND PLUGGED WITH CONCRETE. THE SURFACE OF THE EXISTING FLOOR SHALL THEN BE PATCHED AND REFINISHED TO MATCH THE ORIGINAL FINISH.
 11. EXISTING FLUORESCENT LAMPS SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS FOR MERCURY DISPOSAL. LAMPS SHALL BE PLACED IN APPROVED CONTAINERS AND SHALL BE REMOVED FROM THE SITE FOR PROPER DISPOSAL. THE DISPOSAL CONTRACTOR SHALL BE FULLY INSURED AND SHALL ADHERE TO ALL FEDERAL, STATE AND LOCAL LAWS PERTAINING TO HANDLING AND DISPOSAL OF HAZARDOUS MATERIALS.

- ELECTRICAL DEMOLITION WORK NOTES**
- 1 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND ASSOCIATED WIRING, BACK TO LAST ACTIVE DEVICE OR SOURCE PANEL.
 - 2 DISCONNECT, REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES AS REQUIRED FOR RENOVATIONS. EXTEND WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - 3 DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES INCLUDING WIRING, CONDUIT, ETC. BACK TO LAST ACTIVE DEVICE OR SOURCE PANEL.
 - 4 EXISTING LIGHT FIXTURES TO REMAIN.

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Revisions

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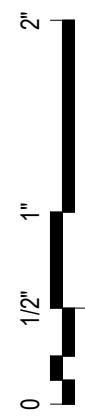
FINAL CONSTRUCTION DOCUMENTS

Drawing Information	
Date	March 29, 2019
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Scale	As indicated
Drawn	RDN
Checked	KPS
Drawing Name	

FIRST FLOOR LIGHTING DEMOLITION PLAN

Drawing Number

ELD-101



1 FIRST FLOOR LIGHTIN PLAN
EL-101 1/8" = 1'-0"

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Drawn RDN

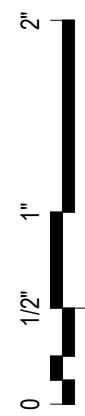
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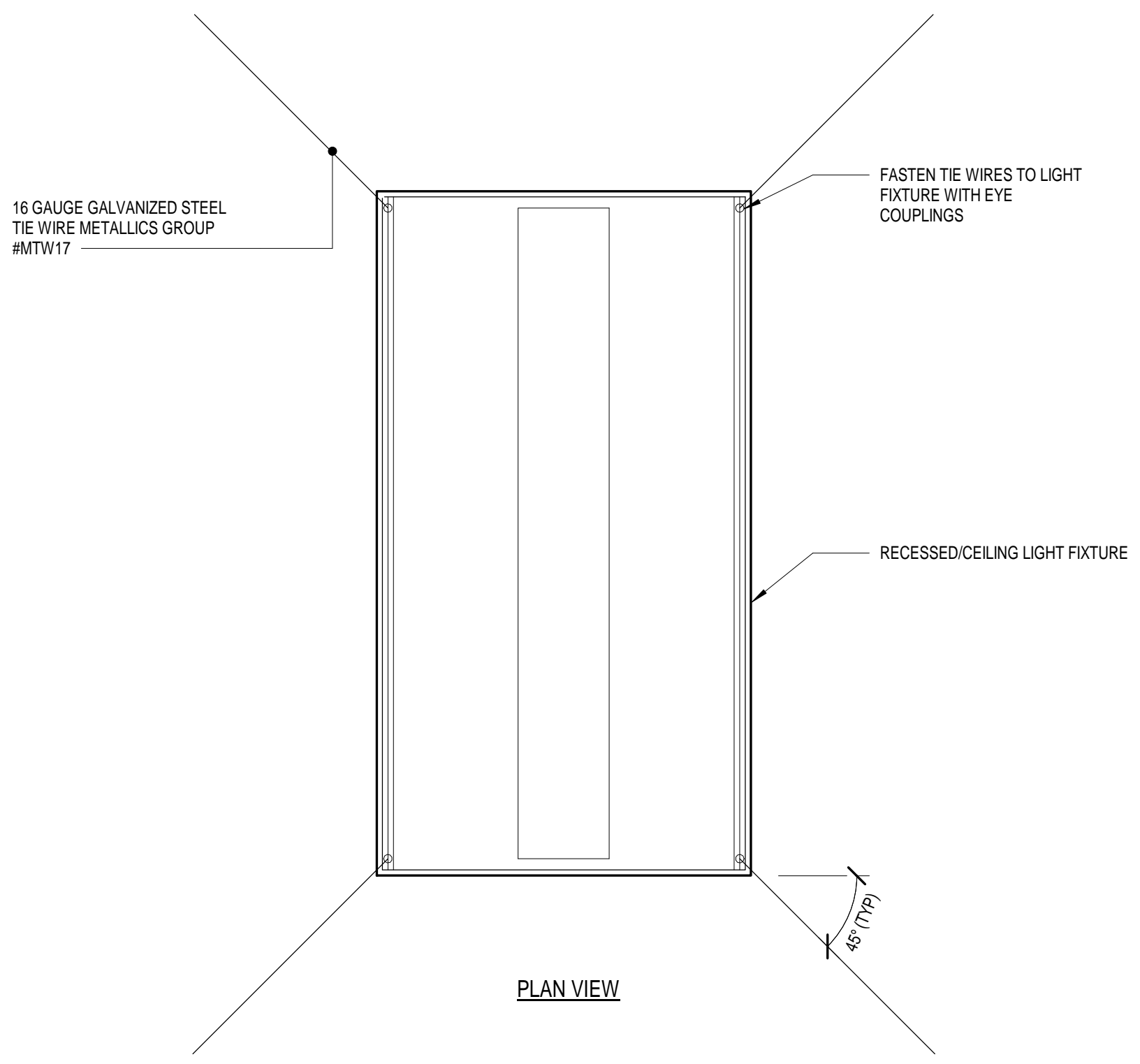
FIRST FLOOR LIGHTING PLAN

Drawing Number

EL-101



LIGHT FIXTURE SCHEDULE					
TYPE	BASIS OF DESIGN DESCRIPTION, MANUFACTURER, AND MODEL #	LAMP	FIXTURE WATTS	REMARKS	COMPARABLE PRODUCTS #1 AND #2
A	2'W X 4'L RECESSED CEILING LED FIXTURE COLUMBIA MODEL # LTT24-35MLG-FAA19F-E-U-G2	LEDS, 4900 LUMENS, 3500°K, 82 CRI	38 WATTS		METALUX MODEL # 24GR-LD5-48-A19156-UNV-L835-CD-1-G2 H.E.WILLIAMS MODEL # 50G-S24-L59/835 -F-AF19156-DG-DRV-UNV
A1	2'W X 4'L RECESSED CEILING LED FIXTURE WITH EMERGENCY BATTERY BACK PACK. COLUMBIA MODEL # LTT24-35MLG-FAA19F-E-U-ELL14-G2	LEDS, 4900 LUMENS, 3500°K, 82 CRI	38 WATTS		METALUX MODEL # 24GR-LD5-48-A19156-UNV-EL14W-L835-CD-1-G2 H.E.WILLIAMS MODEL # 50G-S24-L59/835 -F-AF19156-DRV-UNV
B	2'W X 2'L RECESSED CEILING LED FIXTURE COLUMBIA MODEL # LTT22-35HLG-FAA19F-E-U	LEDS, 3300 LUMENS, 3500°K, 82 CRI	36 WATTS		METALUX MODEL # 22GR-LD5-32-A19156-UNV-L835-CD-1 H.E.WILLIAMS MODEL # 50G-S22-L45/835 -F-AF19156-EM-DRV-UNV
C	2'W X 4'L RECESSED CEILING LED FIXTURE AXIS MODEL # DIALED24-4500-80-35-VL-W-UNV-DP-1-TB8	LEDS, 4500 LUMENS, 3500°K, 82 CRI	38.4 WATTS		METALUX MODEL # 24RLN-LD5-45-UNV-L835-CD-1 H.E.WILLIAMS MODEL # 50G-S22-L45/835 -F-AF19156-EM-DRV-UNV
E	UNIVERSAL MOUNTED EXIT SIGN DUALLITE MODEL # SESRWE	LED	5 WATTS		SURE-LITES MODEL # CX71WHR SENTRY MODEL # CCDS-EM-R-1-WW-CN



1 TYPICAL RECESSED LIGHT FIXTURE SUPPORT DETAIL
N.T.S.

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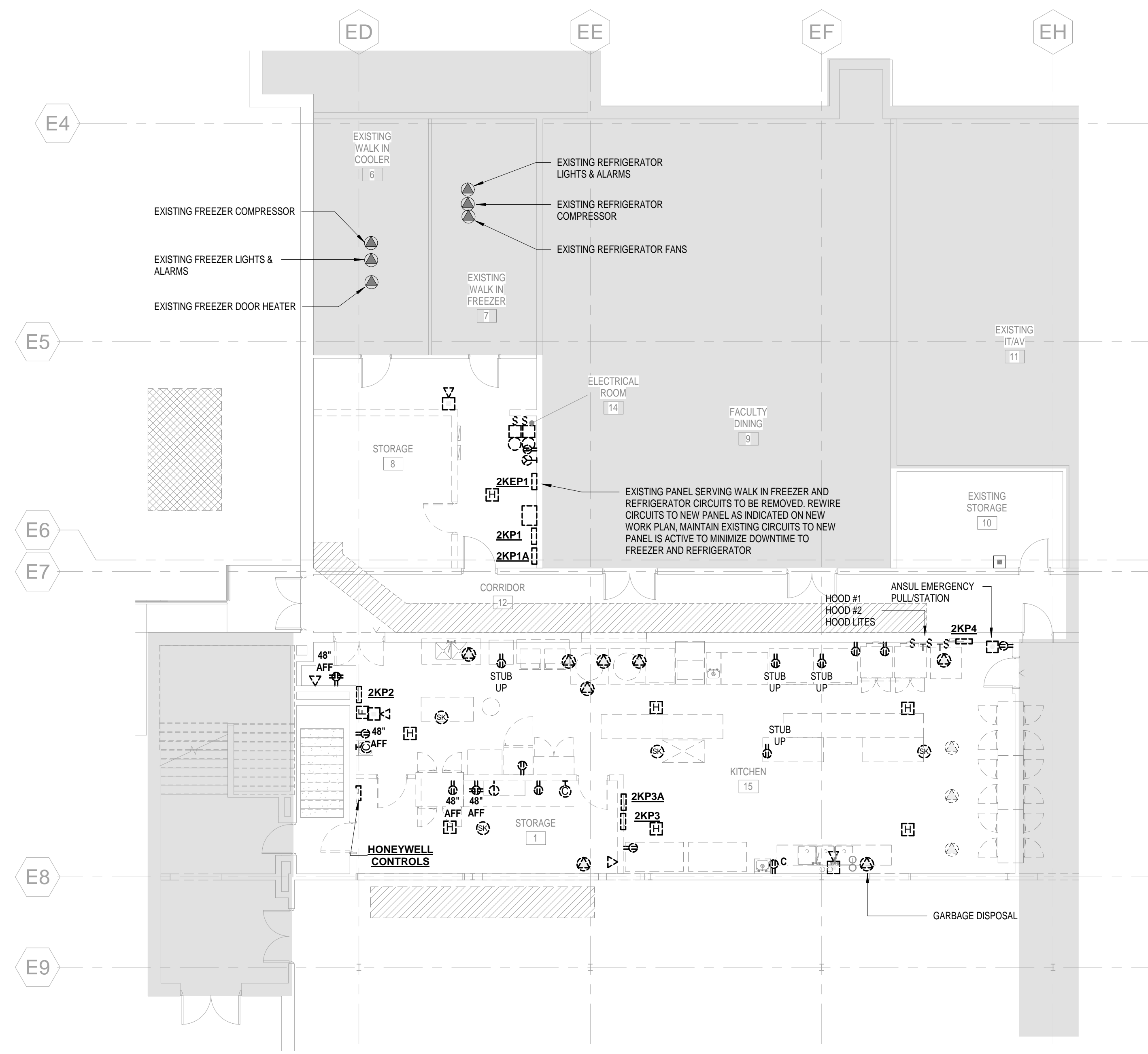
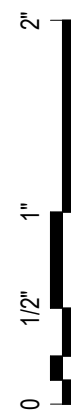
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Drawing Name

**LIGHT FIXTURE SCHEDULE
AND DETAILS**

Drawing Number

EL-200



1 FIRST FLOOR POWER DEMOLITION PLAN
EPD-101 1/8" = 1'-0"

Kitchen Code Violation Project

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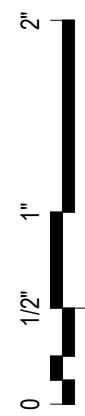
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FIRST FLOOR POWER DEMOLITION PLAN

Drawing Number

EPD-101



Kitchen Code Violation Project

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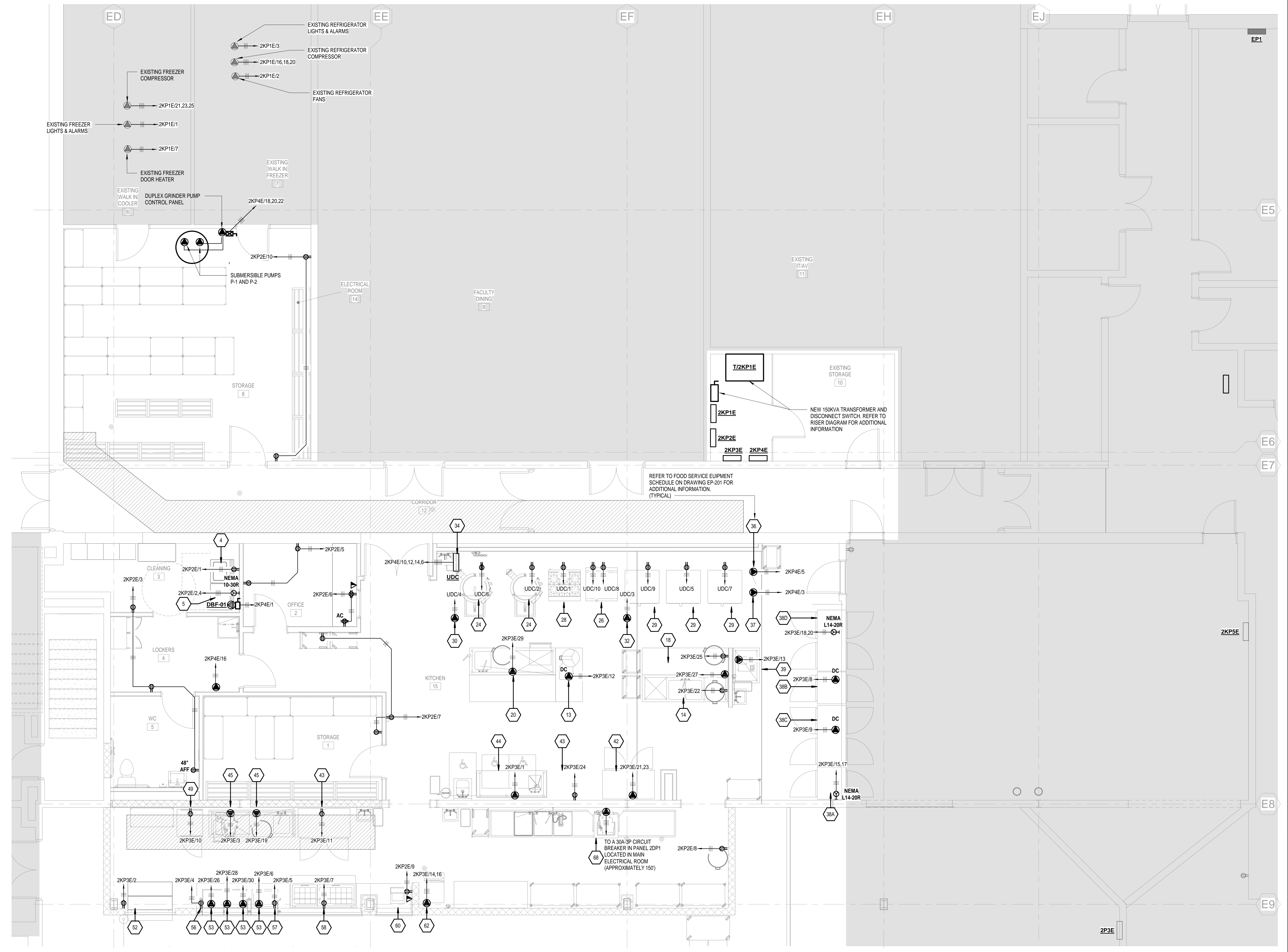
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Drawing Information	
Date	March 29, 2019
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Scale	1/4" = 1'-0"
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Drawing Name	

FIRST FLOOR POWER PLAN

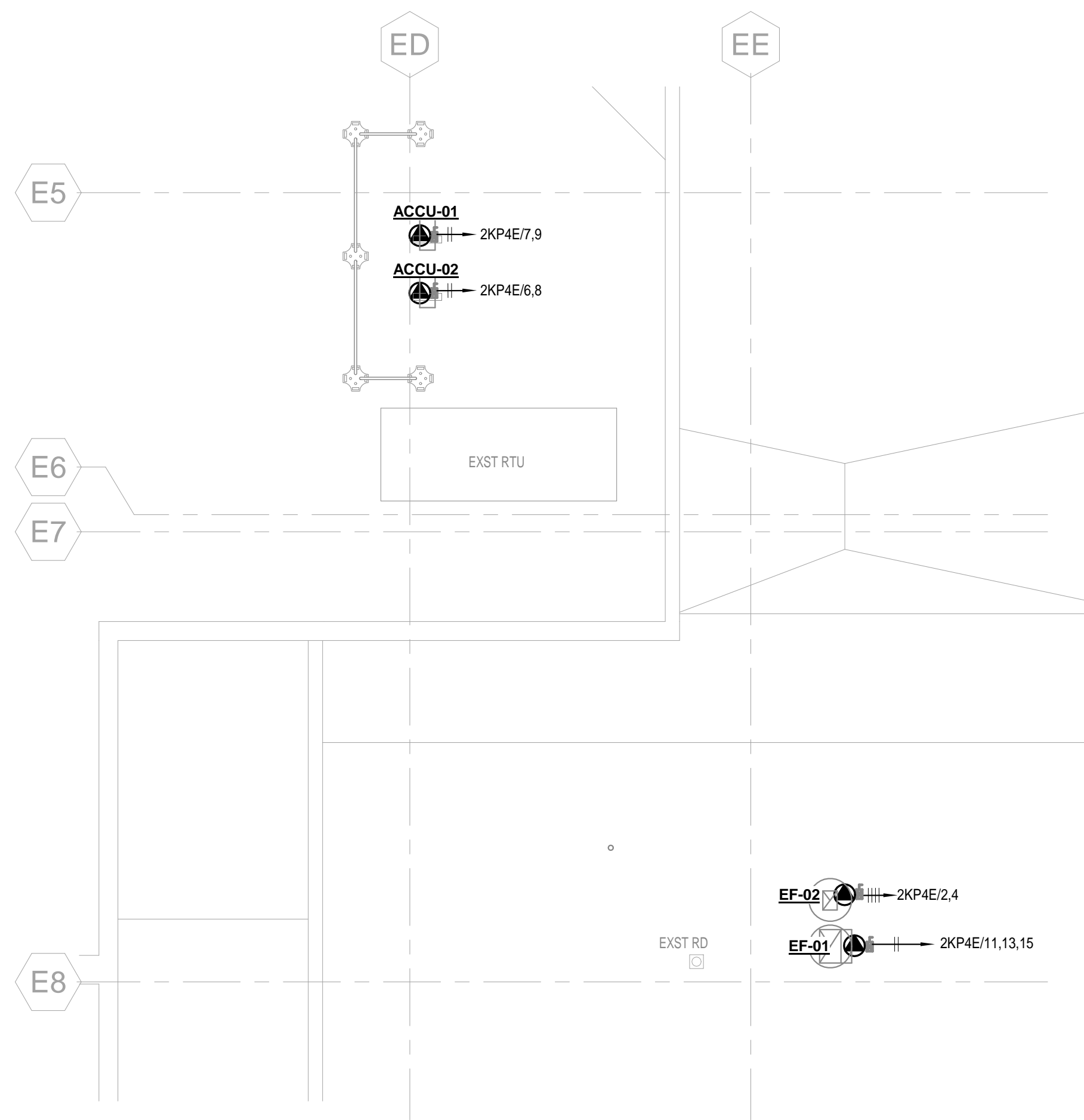
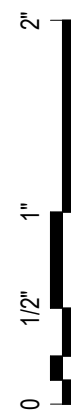
Drawing Number

EP-101

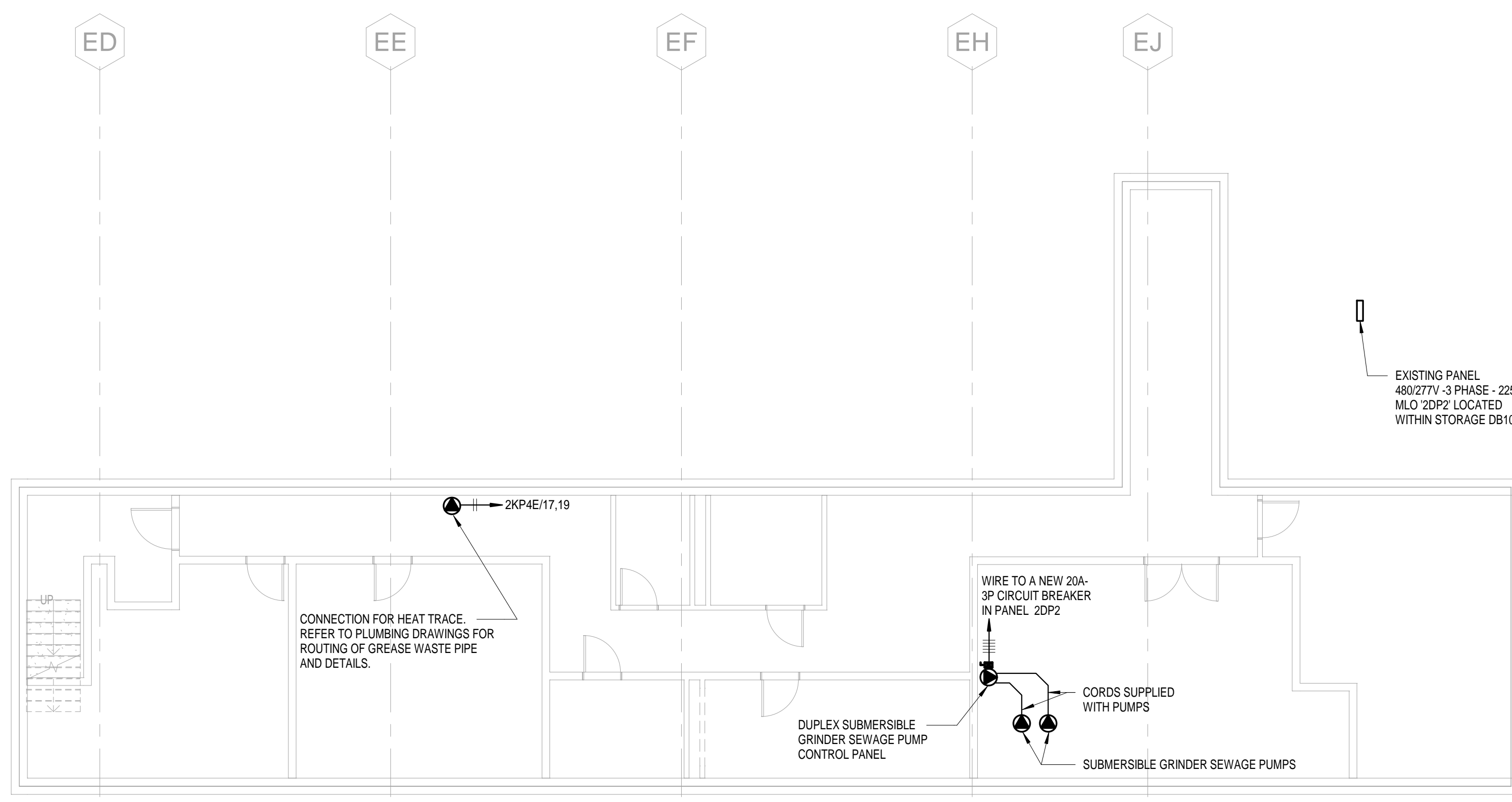


1 FIRST FLOOR POWER PLAN
EP-101 1/4" = 1'-0"

4/25/2019 11:52:29 AM GL-2019-19 EP-101



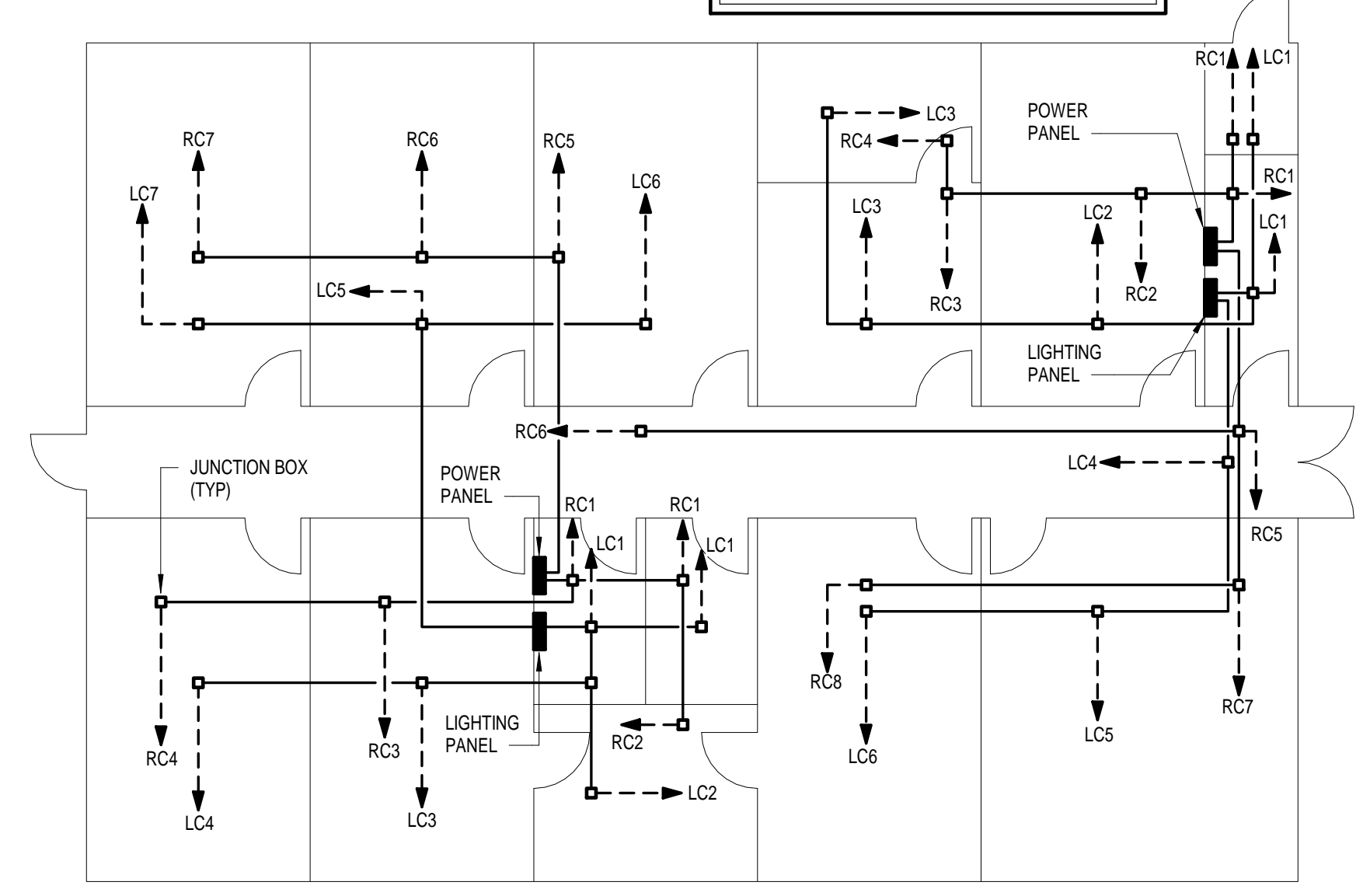
1 ROOF ELECTRICAL PART PLAN
EP-200 1/8" = 1'-0"



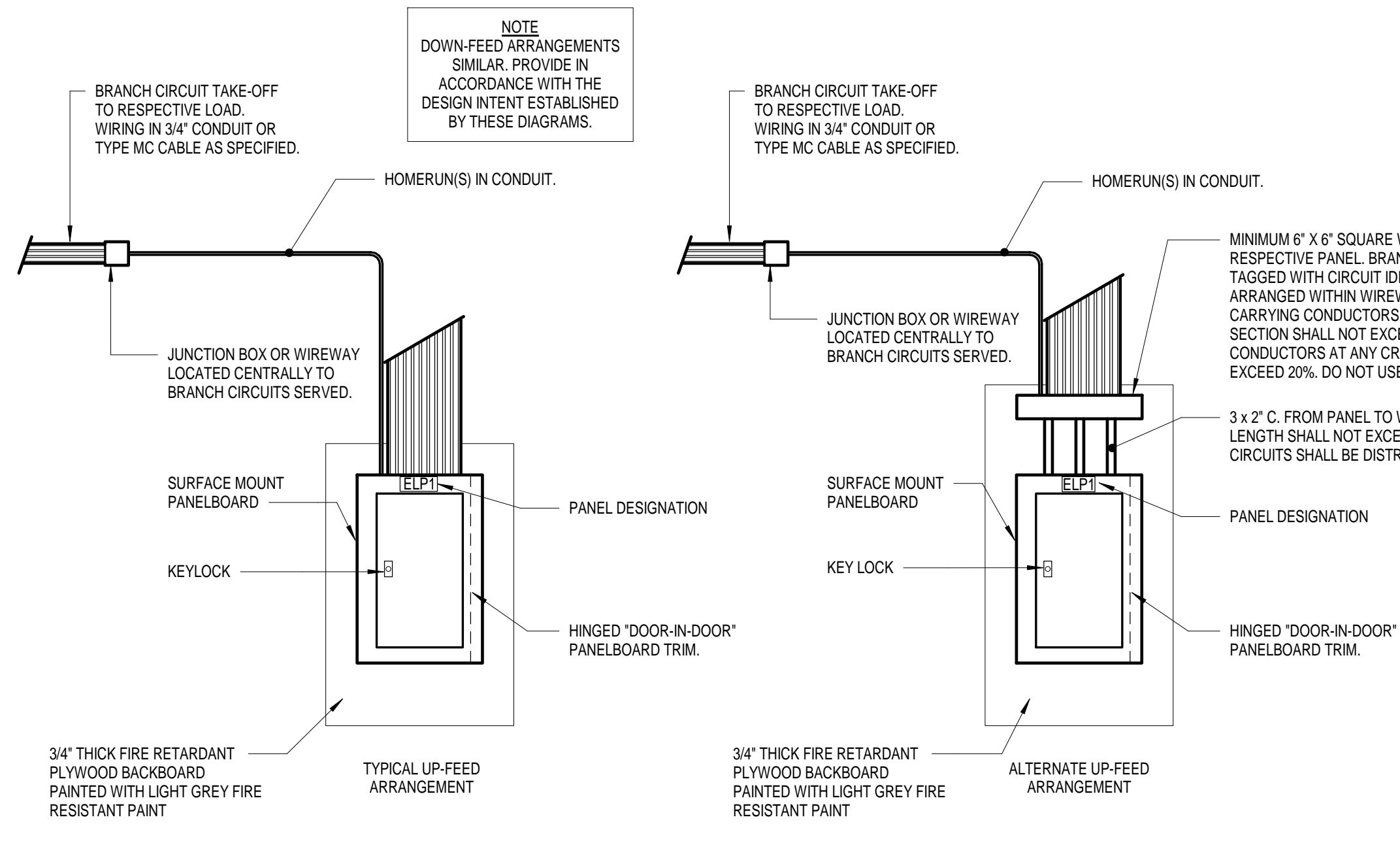
2 BASEMENT ELECTRICAL PART PLAN - NEW WORK
EP-200 1/8" = 1'-0"

LEGEND	
	PANELBOARD
	JUNCTION BOX
	BRANCH CIRCUIT WIRING IN CONDUIT
	BRANCH CIRCUIT WIRING IN CONDUIT OR MC CABLE AS SPECIFIED
LC#	LIGHTING CIRCUIT
RC#	RECEPTACLE CIRCUIT

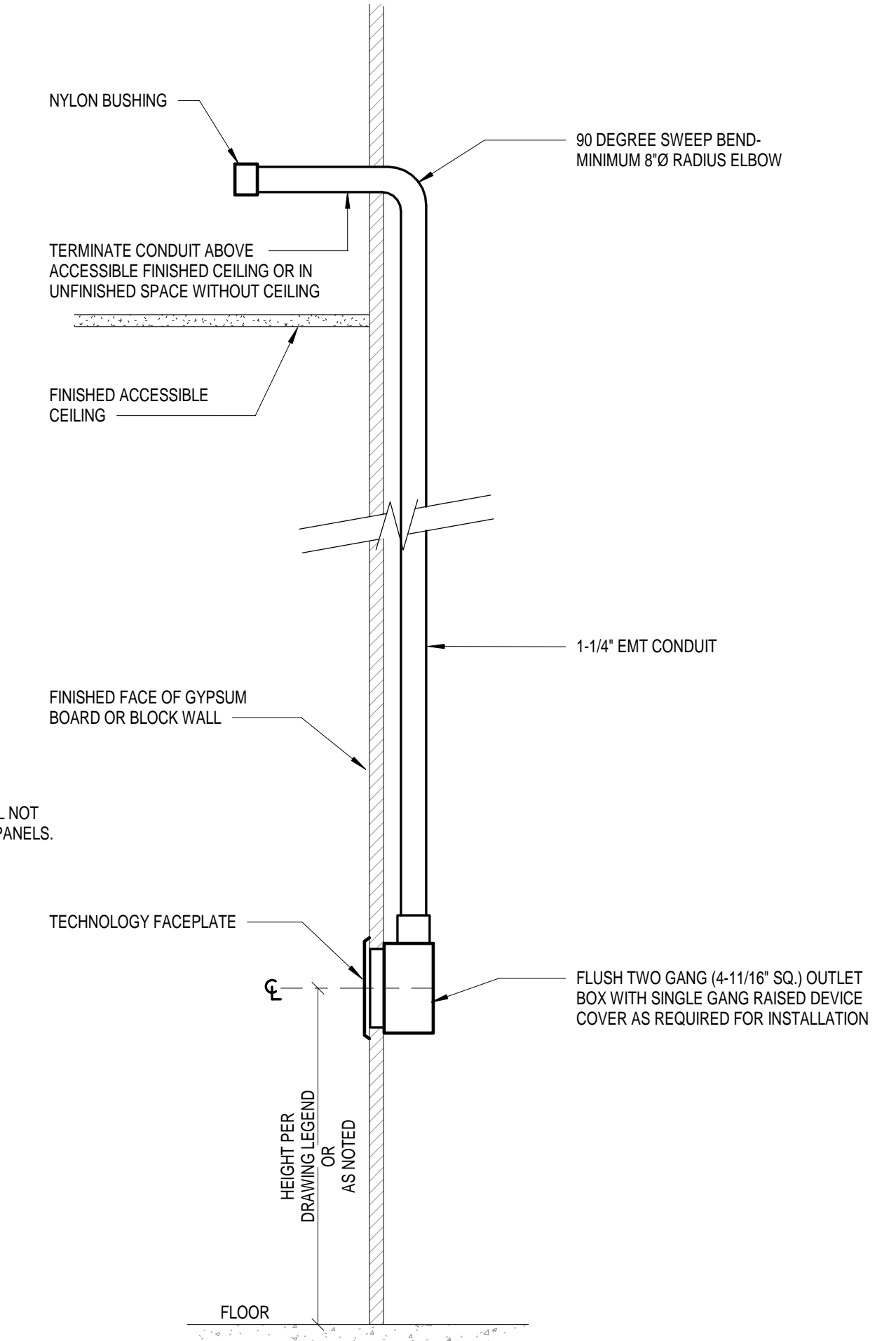
NOTE
BRANCH CIRCUIT CONDUITS SHALL NOT BE RUN BELOW CONCRETE SLABS OR IN CONCRETE SLABS UNLESS SPECIFICALLY INDICATED SO ON THE DRAWINGS, OR UNLESS THERE IS NO OTHER WAY TO FEED THE OUTLET, DEVICE, OR EQUIPMENT.



3 SCHEMATIC PLAN VIEW DIAGRAM OF TYPICAL BRANCH CIRCUIT ARRANGEMENTS
EP-200 N.T.S.



4 TYPICAL BRANCH CIRCUIT HOMERUN ARRANGEMENTS
EP-200 N.T.S.



5 TYPICAL TECHNOLOGY OUTLET ROUGHING DETAIL - VOICE/DATA
EP-200 N.T.S.

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POWER DETAILS AND PART PLANS

Drawing Number

EP-200

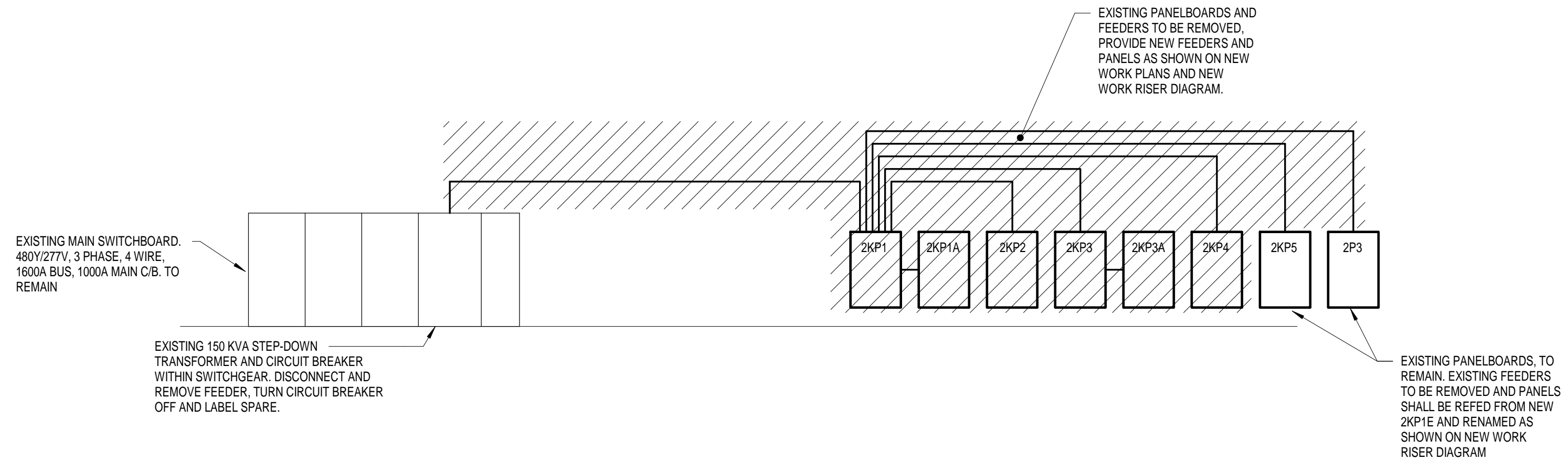


SCHEDULE OF FOODSERVICE EQUIPMENT & CONNECTIONS

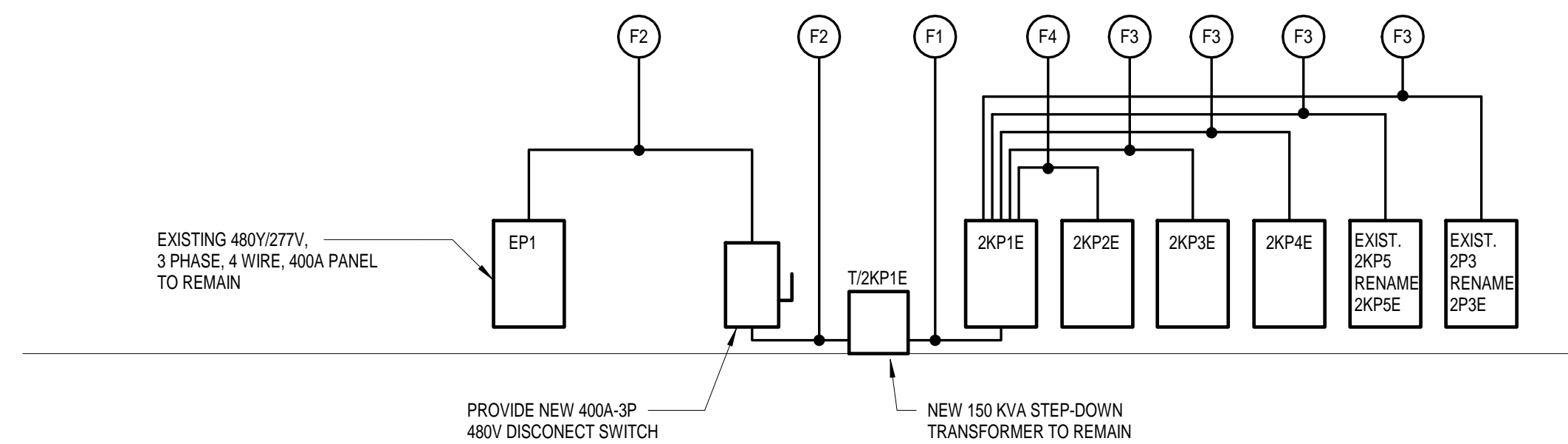
ITEM	QTY	DESCRIPTION	ELECTRICAL
4	1	WASHING MACHINE	15 A - 120/1 - C&P
5	1	FRONT LOAD DRYER	30 A CIRCUIT - 120/240/1
13	1	CUTTER, FOOD	1 HP - 120/1 - C&P
14	1	PREP TABLE WITH SINKS	20 A CIRCUIT - 120/1 TABLE MOUNTED CONVENIENCE OUTLET BY KEC
18	1	COOK'S TABLE	(2)20 A CIRCUIT - 120/1 TABLE MOUNTED CONVENIENCE OUTLET BY KEC
20	1	COOK'S TABLE WITH SINK & OVERSHELF	20 A CIRCUIT - 120/1 TABLE MOUNTED CONVENIENCE OUTLET BY KEC
24	2	FORTY GALLON FLOOR KETTLE	5 A - 120/1
26	1	TEN PAN STEAMER	(2) 5 A - 120/1
28	1	SIX BURNER RANGE WITH OVEN	0.1 A - 120/1 - C&P
29	3	DOUBLE CONVECTION OVEN	(3) 8 A - 120/1 - C&P
30	1	EXHAUST VENTILATOR	POWER TO LIGHTS
32	1	EXHAUST VENTILATOR	POWER TO LIGHTS
34	1	UTILITY DISTRIBUTION SYSTEM	50 A CIRCUIT - 120/208/3
36	1	FIRE SUPPRESSION SYSTEM	120/1 J-BOX FOR CONNECTION TO BUILDING ALARM SYSTEM & EQUIPMENT SHUT DOWN
37	1	DCV CONTROL PANEL	120V, 1 PHASE
38A	1	ROLL-THRU HEATED CABINET	7.8A - 208/1
38B	1	ROLL-THRU REFRIGERATOR	11.6A - 120/1 - C&P
38C	1	ROLL-THRU REFRIGERATOR	13.4A - 120/1 - C&P
38D	1	ROLL-THRU HEATED CABINET	15.5A - 208/1
39	1	BEVERAGE TABLE	20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC
40	1	COFFEE MAKER, AUTOMATIC	15 A - 120/1 - C&P
42	1	REACH-IN FREEZER	12.2 A - 208/1
43	2	REACH-IN REFRIGERATOR	10.7 A - 120/1 - C&P
44	1	ADA PREP TABLE W/SINK	20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC
45	1	PREP TABLE WITH SINK	(2)20 A CIRCUIT - 120/1 WALL MOUNTED CONVENIENCE OUTLET BY EC
47	1	FOOD SLICER	5.4 A - 120/1 - C&P
49	1	HUMIDIFIED HOT HOLDING CABINET	13.8 A - 120/1 - C&P
52	1	MILK COOLER	7.5 A - 120/1 - C&P
53	1	SERVING COUNTER	(4)20 A CIRCUIT - 120/1 APRON MOUNTED CONVENIENCE OUTLET BY KEC
54	1	DROP-IN HEATED SHELF	8.3 A - 120/1 - C&P
56	1	HEAT LAMP	950 WATTS - 120/1 C&P
57	1	DROP-IN FROST TOP	6.7A - 120/1 - C&P
58	1	SANDWICH PREP REFRIGERATOR	10.3 A - 120/1 - C&P
60	1	POS TERMINAL	20 A CIRCUIT - 120/1 - C&P, PROVIDE DATA
62	1	ICE MAKER W/ BIN	12.2 A - 208/1
68	1	VENTLESS WAREWASHER	23.7 A - 480/3

GENERAL NOTES - KITCHEN POWER

- REFER TO THE FOOD SERVICE CONSULTANT'S KITCHEN EQUIPMENT PLANS, SCHEDULES, AND RELATED SPECIFICATIONS FOR A COMPLETE LISTING OF ALL KITCHEN EQUIPMENT AND ADDITIONAL WORK TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ROUGH-IN DIMENSIONS AND TYPE OF CONNECTION TO EACH ITEM OF EQUIPMENT SHALL BE IN ACCORDANCE WITH THE KITCHEN EQUIPMENT PLANS AND SCHEDULES.
- PROVIDE ALL CONTROL WIRING AND CONTROL DEVICES FOR KITCHEN EQUIPMENT IN ACCORDANCE WITH THE KITCHEN EQUIPMENT PLANS.
- PROVIDE CONTROL WIRING INTERLOCKS TO EXHAUST FANS IN ACCORDANCE WITH THE KITCHEN EQUIPMENT PLANS.
- PROVIDE SERVICE DISCONNECTS AS REQUIRED FOR ITEMS OF KITCHEN EQUIPMENT LACKING INTEGRAL DISCONNECTS. DISCONNECTS IN DISHWASHING AREA SHALL BE NEMA 3R AND SHALL BE LOCATED CLEAR OF WATER SPRAY.
- HARDWIRED FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT.
- PROVIDE RECEPTACLE OUTLETS THAT ARE STUBBED UP FROM THE FLOOR WITH CAST BOXES AND GASKETED FLIP-LID TYPE COVER PLATES.
- ALL 125 VOLT RECEPTACLE LOADS SHALL BE FED FROM GFCI TYPE CIRCUIT BREAKERS.
- ALL CONDUIT EXPOSED TO VIEW SHALL BE CHROME PLATED.



1 KITCHEN ONE LINE RISER DIAGRAM - DEMOLITION
EP-201 N.T.S.



2 KITCHEN ONE LINE RISER DIAGRAM
EP-201 N.T.S.

SCHEDULE OF DRY-TYPE TRANSFORMERS

DESIGNATION	PRIMARY-SECONDARY VOLTAGE	KVA	TAPS	TEMP. RISE	SOUND LEVEL	K RATING	WINDINGS	REMARKS
T2KP1E	480V DELTA-208Y/120V	150	6 - 2.5% 2+4	115°C	50dB	-	ALUMINUM	NEMA TP-1 COMPLIANT

- NOTES:
- PROVIDE ALL TRANSFORMERS WITH ALUMINUM CABLE LUGS.
 - PROVIDE MASON INDUSTRIES SPRING ISOLATION BASES FOR MOUNTING ALL TRANSFORMERS.

FEEDER SCHEDULE - ALUMINUM CONDUCTORS

SYMBOL	FEEDER OCP	FEEDER AMPACITY	FEEDER SIZE	REMARKS
F1	500A	560A	2 - 3" C. WITH 4 X #500 kCMIL XHHW-2 AND 1 X #10 XHHW-2 GND. IN EACH.	
F2	300A	310A	3 X #500 kCMIL XHHW-2 AND 1 X #2 XHHW-2 GND. IN 2 1/2" C.	
F3	150A	164A	4 X #40 XHHW-2 AND 1 X #4 XHHW-2 GND. IN 2" C.	
F4	100A	108A	4 X #10 XHHW-2 AND 1 X #6 XHHW-2 GND. IN 1 1/2" C.	

SCHEDULE OF BRANCH CIRCUIT CONDUCTOR SIZES

C/B SIZE	* CIRCUIT SIZE
15A-1P	** 2 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C.
20A-1P	** 2 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C.
20A-2P	2 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C.
20A-3P	3 X #12 AWG AND 1 X #12 AWG GND. IN 3/4" C.
25A-1P	2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
25A-2P	2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
25A-3P	3 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
30A-1P	2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
30A-2P	2 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
30A-3P	3 X #10 AWG AND 1 X #10 AWG GND. IN 3/4" C.
35A-1P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
35A-2P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
35A-3P	3 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
40A-1P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
40A-2P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
40A-3P	3 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
45A-1P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
45A-2P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
45A-3P	3 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
50A-1P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
50A-2P	2 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
50A-3P	3 X #8 AWG AND 1 X #10 AWG GND. IN 3/4" C.
60A-1P	2 X #6 AWG AND 1 X #10 AWG GND. IN 1" C.
60A-2P	2 X #6 AWG AND 1 X #10 AWG GND. IN 1" C.
60A-3P	3 X #6 AWG AND 1 X #10 AWG GND. IN 1" C.
70A-1P	2 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
70A-2P	2 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
70A-3P	3 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
80A-1P	2 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
80A-2P	2 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
80A-3P	3 X #4 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
90A-1P	2 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
90A-2P	2 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
90A-3P	3 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
100A-1P	2 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
100A-2P	2 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
100A-3P	3 X #3 AWG AND 1 X #8 AWG GND. IN 1 1/4" C.
110A-3P	3 X #2 AWG AND 1 X #6 AWG GND. IN 1 1/4" C.
125A-3P	3 X #1 AWG AND 1 X #6 AWG GND. IN 1 1/4" C.
150A-3P	3 X #1/0 AWG AND 1 X #6 AWG GND. IN 1 1/2" C.
175A-3P	3 X #2/0 AWG AND 1 X #6 AWG GND. IN 2" C.
200A-3P	3 X #3/0 AWG AND 1 X #6 AWG GND. IN 2" C.

PROVIDE CIRCUIT SIZE AND NUMBER OF CONDUCTORS SCHEDULED UNLESS NOTED OR SHOWN DIFFERENTLY ON THE DRAWINGS. CROSS REFERENCE CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS WITH RESPECTIVE PANEL SCHEDULES TO OBTAIN C/B SIZE.

** PROVIDE #10 AWG SIZE CONDUCTORS FOR BRANCH CIRCUIT RUNS EXCEEDING 75' IN CONDUCTOR LENGTH AND #8 AWG SIZE CONDUCTORS FOR BRANCH CIRCUIT RUNS EXCEEDING 150' IN CONDUCTOR LENGTH.

Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

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Revisions

Issue Record

Seal

FINAL CONSTRUCTION DOCUMENTS

Drawing Information

Date March 29, 2019

Job Number GL-2019-19

Scale 1/2" = 1'-0"

Drawn RDN

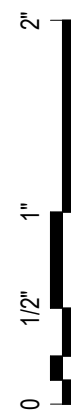
Checked KPS

Drawing Name

ONE LINE RISER DIAGRAM AND SCHEDULES

Drawing Number

EP-201



BRANCH PANEL: 2KP1E												
LOCATION:			VOLTAGE: 120/208 Wye				AISC RATING: 10K					
SUPPLY FROM: T/2KP1E			PHASES: 3				MAINS TYPE: MCB					
MOUNTING: SURFACE			WIRES: 4				MAINS RATING: 600 A					
ENCLOSURE: TYPE 1			MAX # OF POLES: 42				MCB RATING: 500 A					
NOTES:												
SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.												
VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.												
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT		
1	FREEZER LIGHTS & ALARMS	20 A	1	750	1000		1	20 A	REFRIGERATOR FANS	2		
3	REFRIGERATOR LIGHTS & ...	20 A	1		750	3150	3	100 A	2KP2	4		
5	LIGHTING	20 A	1			760	3330	--	--	6		
7	FREEZER DOOR HEATER	20 A	1	1500	1080		--	--	--	8		
9	2KP4	150 A	3		10768	9007	3	150 A	2KP3	10		
11	--	--	--			9003	9004	--	--	12		
13	--	--	--	8908	8967		--	--	--	14		
15	EXISTING 2KP5	150 A	3		10153	1600	3	20 A	REFRIGERATOR COMPRESSOR	16		
17	--	--	--			10130	1600	--	--	18		
19	--	--	--	9928	1600		--	--	--	20		
21	FREEZER COMPRESSOR	40 A	3		2917	12000	3	150 A	EXISTING 2P3	22		
23	--	--	--			2917	12000	--	--	24		
25	--	--	--	2917	12000		--	--	--	26		
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28		
29	SPARE	20 A	1		0	0	1	20 A	SPARE	30		
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32		
33	SPARE	20 A	1		0	0	1	20 A	SPARE	34		
35	SPARE	20 A	1		0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0		1	20 A	SPARE	38		
39	SPARE	20 A	1		0	0	1	20 A	SPARE	40		
41	SPARE	20 A	1		0	0	1	20 A	SPARE	42		
TOTAL LOAD:				48650 VA	50345 VA	48743 VA						
TOTAL AMPS:				405 A	420 A	406 A						

BRANCH PANEL: 2KP2E													
LOCATION:			VOLTAGE: 120/208 Wye				AISC RATING: 10K						
SUPPLY FROM: 2KP1E			PHASES: 3				MAINS TYPE: MLO						
MOUNTING: SURFACE			WIRES: 4				MAINS RATING: 100 A						
ENCLOSURE: TYPE 1			MAX # OF POLES: 42										
NOTES:													
SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.													
VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT			
1	WASHER	20 A	1	180	2250		2	20 A	DRYER	2			
3	RECEPTACLES	20 A	1		540	2250	--	--	--	4			
5	RECEPTACLES	20 A	1			360	720	1	20 A	RECEPTACLES	6		
7	RECEPTACLES	20 A	1	540	180		1	20 A	RECEPTACLES	8			
9	RECEPTACLES	20 A	1		180	360	1	20 A	RECEPTACLES	10			
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12		
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14			
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16			
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18		
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20			
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22			
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24		
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26			
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28			
29	SPARE	20 A	1			0	0	1	20 A	SPARE	30		
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32			
33	SPARE	20 A	1		0	0	1	20 A	SPARE	34			
35	SPARE	20 A	1			0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0		1	20 A	SPARE	38			
39	SPARE	20 A	1		0	0	1	20 A	SPARE	40			
41	SPARE	20 A	1			0	0	1	20 A	SPARE	42		
TOTAL LOAD:				3150 VA	3330 VA	1080 VA							
TOTAL AMPS:				29 A	30 A	9 A							

BRANCH PANEL: 2KP3E													
LOCATION:			VOLTAGE: 120/208 Wye				AISC RATING: 10K						
SUPPLY FROM: 2KP1E			PHASES: 3				MAINS TYPE: MLO						
MOUNTING: SURFACE			WIRES: 4				MAINS RATING: 225 A						
ENCLOSURE: TYPE 1			MAX # OF POLES: 42										
NOTES:													
SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.													
VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT			
1	ADA PREP TABLE W/SINK 44	20 A	1	180	900		1	20 A	MILK COOLER 52	2			
3	PREP TABLE W/SINK 45	20 A	1		648	950	1	20 A	HEAT LAMP 56	4			
5	DROP-IN FROST TOP 57	20 A	1			804	1000	1	20 A	SERVING COUNTER 53	6		
7	SANDWICH PREP REFRIDGE 58	20 A	1	1236	1392		1	20 A	ROLL-THRU REFRIGERATOR 38B	8			
9	ROLL-THRU REFRIGERATOR 38C	20 A	1		1608	1650	1	20 A	HUMIDIFIED HOT HOLDING 49	10			
11	REACH IN REFRIGERATOR 43	20 A	1			1284	1500	1	20 A	DROP CORD 10	12		
13	BEVERAGE TABLE 39	20 A	1	1670	1269		2	20 A	ICE MAKER W/BIN 62	14			
15	ROLL-THRU HEATED CABINET...	20 A	2		750	1269	--	--	--	16			
17	--	--	--			750	1500	2	20 A	ROLL-THRU HEATED CABINET...	18		
19	PREP TABLE W/SINK 45	20 A	1	180	1500		--	--	--	20			
21	REACH IN FREEZER 42	20 A	2		1269	180	1	20 A	PREP TABLE WITH SINKS 14	22			
23	--	--	--			1269	180	1	20 A	REACH IN REFRIGERATOR 43	24		
25	COOKS TABLE 18	20 A	1	180	500		1	20 A	SERVING COUNTER 53	26			
27	COOKS TABLE 18	20 A	1		180	500	1	20 A	SERVING COUNTER 53	28			
29	COOKS TABLE W/SINK 20	20 A	1			180	500	1	20 A	SERVING COUNTER 53	30		
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32			
33	SPARE	20 A	1		0	0	1	20 A	SPARE	34			
35	SPARE	20 A	1			0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0		1	20 A	SPARE	38			
39	SPARE	20 A	1		0	0	1	20 A	SPARE	40			
41	SPARE	20 A	1			0	0	1	20 A	SPARE	42		
TOTAL LOAD:				9007 VA	9004 VA	8967 VA							
TOTAL AMPS:				75 A	75 A	75 A							

BRANCH PANEL: 2KP4E													
LOCATION:			VOLTAGE: 120/208 Wye				AISC RATING: 10K						
SUPPLY FROM: 2KP1E			PHASES: 3				MAINS TYPE: MLO						
MOUNTING: SURFACE			WIRES: 4				MAINS RATING: 225 A						
ENCLOSURE: TYPE 1			MAX # OF POLES: 42										
NOTES:													
SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.													
VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT			
1	DBF-01	20 A	1	250	510		2	20 A	EF-02	2			
3	DCV PANEL	20 A	1		500	510	--	--	--	4			
5	FIRE SUPPRESSION SYSTEM 36	20 A	1			500	2600	2	20 A	ACCU-02/ACU-01	6		
7	ACCU-01/ACU-01	20 A	2	2600	2600		--	--	--	8			
9	--	--	--		2600	2260	3	50 A	UDC	10			
11	EF-01	35 A	3			2100	2560	--	--	12			
13	--	--	--	2100	1560		--	--	--	14			
15	--	--	--		2100	500	1	20 A	TRAP PRIMER	16			
17	HEAT TRACE GREASE WASTE	20 A	2			615	533	3	20 A	CONTROL PNL/ P-1 & P-2	18		
19	--	--	--	615	533		--	--	--	20			
21	SPARE	20 A	1			0	533	--	--	22			
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24		
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26			
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28			
29	SPARE	20 A	1			0	0	1	20 A	SPARE	30		
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32			
33	SPARE	20 A	1		0	0	1	20 A	SPARE	34			
35	SPARE	20 A	1			0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0		1	20 A	SPARE	38			
39	SPARE	20 A	1		0	0	1	20 A	SPARE	40			
41	SPARE	20 A	1			0	0	1	20 A	SPARE	42		
TOTAL LOAD:				10768 VA	9003 VA	8908 VA							
TOTAL AMPS:				90 A	75 A	74 A							

GENERAL NOTE:
PANELBOARD BRANCH CIRCUIT BREAKERS SERVING 125V RECEPTACLES IN STORAGE 1, CLEANING 3, LOCKERS 4, WC 5 AND KITCHEN 15 SHALL BE GFCI TYPE. REFER TO DRAWING EP-101 FOR RECEPTACLES BRANCH CIRCUITS.



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Kitchen Code Violation Project

State DAS Project No. 054-0098CV

Glastonbury High School

330 Hubbard St, Glastonbury, CT 06033

GL-2019-19

Project Team

Equipment Engineer



Food Facilities Planners

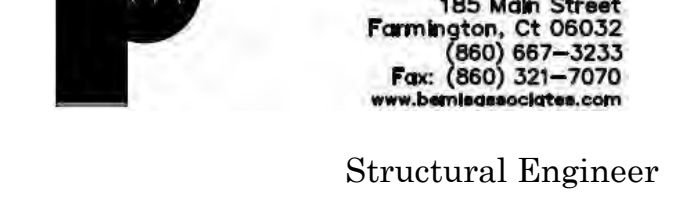
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MEP Engineer



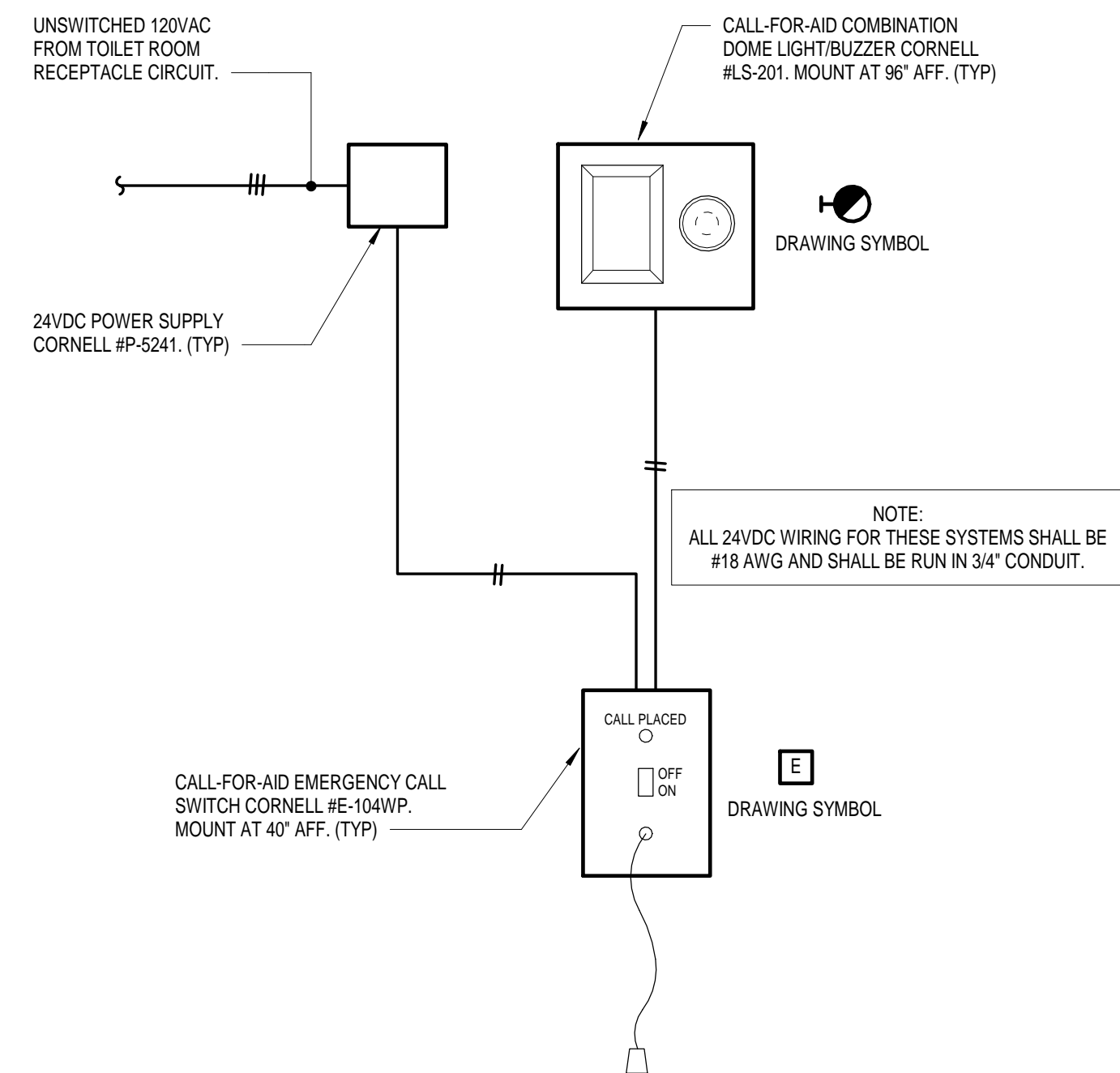
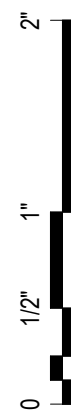
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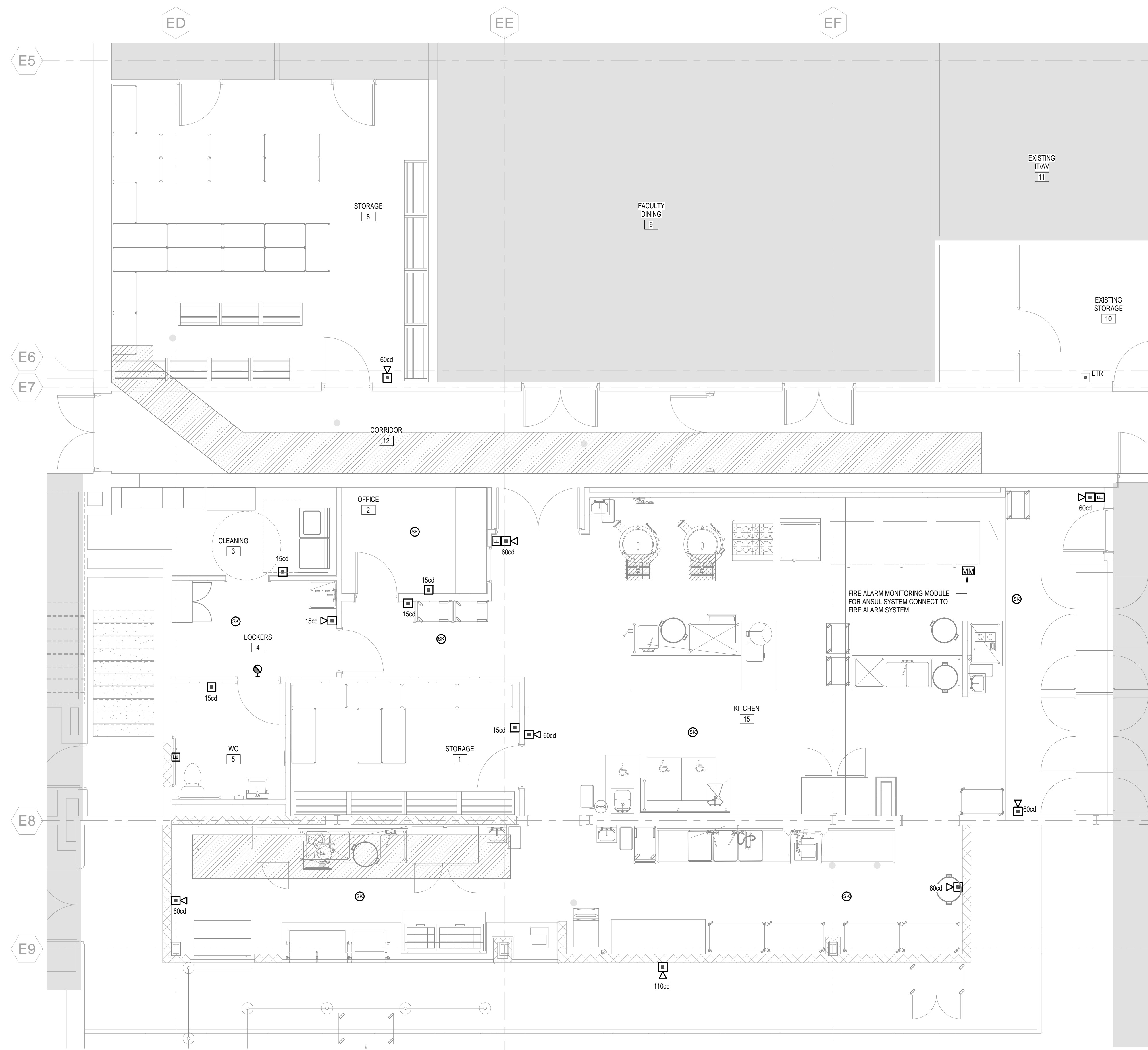
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Civil Engineer



2 TYPICAL CALL-FOR-AID SYSTEM RISER DIAGRAM
ES-101 12" = 1'-0"

- GENERAL NOTES - FIRE DETECTION SYSTEM**
- F.A. SIGNALING LINE CIRCUITS (LOOPS) SHALL BE STYLE 4 (CLASS B). INITIATION CIRCUITS FROM NON-INTELLIGENT DEVICES WITH NORMALLY OPEN CONTACTS SHALL BE STYLE B (CLASS B).
 - F.A. NOTIFICATION CIRCUITS SHALL BE STYLE Y (CLASS B).
 - ALL WIRING IN NORMALLY OCCUPIED (FINISHED) AREAS OF THE BUILDING SHALL BE INSTALLED CONCEALED FROM VIEW WITHIN THE BUILDING STRUCTURE WHEREVER POSSIBLE. WIRING MAY ONLY BE EXPOSED TO VIEW MECHANICAL AND ELECTRICAL ROOMS, ROOMS WITHOUT CEILINGS (EXPOSED TO STRUCTURE ABOVE), FOR DROPS AND SHORT HORIZONTAL RUNS TO NEW DEVICES ON EXISTING WALLS, AND WHERE NOTED ON THE DRAWINGS. PROVIDE MINIMUM 3/4" EMT CONDUIT FOR WIRING RUN IN EW WALLS, ABOVE NON-ACCESSIBLE CEILINGS, AND WHERE EXPOSED TO VIEW. PROVIDE TYPE MC CABLE FOR WIRING RUN CONCEALED ABOVE ACCESSIBLE (LAY-IN GRID) CEILINGS. PROVIDE WIREMOLD V500 SURFACE RACEWAY FOR WIRING DROPS AND SHORT HORIZONTAL RUNS TO NEW DEVICES ON EXISTING WALLS.
 - ALL RACEWAYS AND CABLE SHALL BE NEATLY INSTALLED WITH RACEWAY AND CABLE RUNS INSTALLED PARALLEL TO, OR AT RIGHT ANGLES TO, THE LINES OF THE BUILDING. CABLE RUNS INSTALLED ABOVE ACCESSIBLE CEILINGS SHALL BE BUNDLE TIED NEAT AND ORDERLY MANNER WITH NYLON CABLE TIES.
 - ALL WIRING SHALL BE TO TERMINALS (POINT-TO-POINT), WITHOUT SPICES. T-TAPS OF ADDRESSABLE LOOPS SHALL BE PROHIBITED UNLESS PROVIDED WITH FAULT ISOLATOR MODULES. PROVIDE TERMINAL CABINETS AS REQUIRED FOR WIRING JUNCTIONS. TERMINAL CABINETS SHALL BE SPACE AGE ELECTRONICS TYPE TOX OR APPROVED EQUAL. TERMINAL CABINETS SHALL BE RED IN COLOR WITH HINGED LOCKING DOOR, AND SHALL BE IDENTIFIED "FIRE ALARM TERMINAL CABINET" IN WHITE LETTERING. PAINT ALL JUNCTION BOX COVERS RED.
 - NOTIFICATION CIRCUITS SHALL BE LOADED TO A MAXIMUM OF 75% RATED CAPACITY.
 - STROBES, SPEAKER/STROBES, AND HORNS SHALL COMPLY WITH ADA AND UL REQUIREMENTS. STROBES SHALL BE SELF-SYNCHRONIZED TO FLASH AT 1fps ACROSS THEIR FULL OPERATING VOLTAGE RANGE.
 - PROVIDE ALL 120VAC AND 24VDC POWER WIRING AND CONNECTIONS FOR A COMPLETE AND OPERABLE SYSTEM.
 - PROVIDE RELAYS, WIRING AND CONNECTIONS REQUIRED FOR FAN SHUT DOWN CIRCUITS.
 - PROVIDE WIRING AND CONNECTIONS AS REQUIRED AND CONNECT ALL NEW INITIATION DEVICES, NOTIFICATION DEVICES AND CONTROL DEVICES TO EXISTING SIGNALING LINE CIRCUIT WIRING AND NOTIFICATION CIRCUIT WIRING.



1 FIRST FLOOR SPECIAL SYSTEMS PLAN
ES-101 1/4" = 1'-0"

Kitchen Code Violation Project

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GL-2019-19

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Revisions

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Seal

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Drawing Information	
Date	March 29, 2019
Job Number	GL-2019-19
Scale	As indicated
Drawn	RDN
Checked	KPS
Drawing Name	

FIRST FLOOR SPECIAL SYSTEMS PLAN

Drawing Number

ES-101