

HERNDON RESTAURANT

Raytown Quality Schools

11501 E. 350 Hwy
Raytown, Missouri

100% CONSTRUCTION DOCUMENTS

hollis + miller architects[®]

we design the future[™]

1828 Walnut Street Suite 922
Kansas City, MO 64108
1.816.442.7700

333 Perry Street Suite 205
Castle Rock, CO 80104
1.719.313.9729

HOLLISANDMILLER.COM

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Missouri State Certificate of Authority
Architecture # 0000161
Professional # 135061133

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Smith & Boucher Engineers
State Certificate of Authority # EGC-000178
25501 West Valley Parkway
Olathe, KS 66061
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913.345.0617 fax

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Overland Park, KS 66210
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Food Facility Design Consultant
Santee Becker Associates, LLC
6700 Squibb Road, Suite 101
Mission, KS 66202-3251
913.362.1800 phone
913.362.2509 fax

INDEX OF DRAWINGS

GENERAL

6000 COVER SHEET
6101 CODE FLOOR PLAN

DEMOLITION - CIVIL

DC101 CIVIL DEMOLITION PLAN

DEMOLITION - ARCHITECTURE

DA101 DEMOLITION FLOOR PLAN

CIVIL

C100 EXISTING CONDITIONS
C101 UTILITY PLAN
C102 PAVING PLAN
C103 GRADING PLAN
C104 EROSION CONTROL PLAN
C105 LANDSCAPE PLAN
C201 UTILITY & PAVING DETAILS
C202 EROSION CONTROL DETAILS

ARCHITECTURE

A001 GENERAL ARCHITECTURAL INFORMATION
A101 FLOOR PLAN & FINISH FLOOR PLAN
A121 REFLECTED CEILING PLAN
A141 ROOF PLAN
A201 EXTERIOR ELEVATION
A301 BUILDING SECTIONS
A331 WALL SECTIONS
A332 WALL SECTIONS
A333 WALL SECTIONS
A334 WALL SECTIONS
A361 EXTERIOR DETAILS
A421 ENLARGED PLANS & DETAILS
A501 DOOR SCHEDULE
A621 INTERIOR ELEVATIONS
A622 INTERIOR ELEVATIONS
A631 MATERIAL FINISH LEGEND & ROOM FINISH SCHEDULE
A801 SIGNAGE TYPES

STRUCTURAL

S001 GENERAL NOTES
S101A FOUNDATION PLAN - AREA A - LEVEL 1
S331 WALL SECTIONS
S332 WALL SECTIONS
S361 FOUNDATION SECTIONS

MECHANICAL/ELECTRICAL

ME101 SYMBOLS AND ABBREVIATIONS - MECH. AND ELEC.
ME102 SITE PLAN - MECH. AND ELEC.
ME201 SITE PLAN - MECH. AND ELEC.
ME202 ROOF PLAN - MECHANICAL AND ELECTRICAL
ME301 SCHEDULES AND DETAILS - MECH. AND ELEC.
ME302 SCHEDULES AND DETAILS - MECH. AND ELEC.
ME303 SCHEDULES AND DETAILS - MECH. AND ELEC.
ME304 SCHEDULES AND DETAILS - MECH. AND ELEC.
ME305 SCHEDULES AND DETAILS - MECH. AND ELEC.

MECHANICAL

M101 FLOOR PLAN - LEVEL 1 - HVAC

PLUMBING

F100 FLOOR PLAN - UNDERSLAB - PLUMBING

F101 FLOOR PLAN - PLUMBING
F201 RISER DIAGRAMS - PLUMBING

ELECTRICAL

E101 FLOOR PLAN - LIGHTING
E201 FLOOR PLAN - POWER
E301 SCHEDULES AND DETAILS - ELECTRICAL
E302 SCHEDULES AND DETAILS - ELECTRICAL

FOOD SERVICE

K101 FOOD SERVICE PLAN
K201 UTILITY REQUIREMENT PLAN
K202 VENTILATION PLAN
K203 UTILITY SCHEDULES

DESIGN TEAM

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Hollis + Miller Architects
1828 Walnut Street Ste 922
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CONTACT: Sandy Cochran
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FAX: 816.599.2545

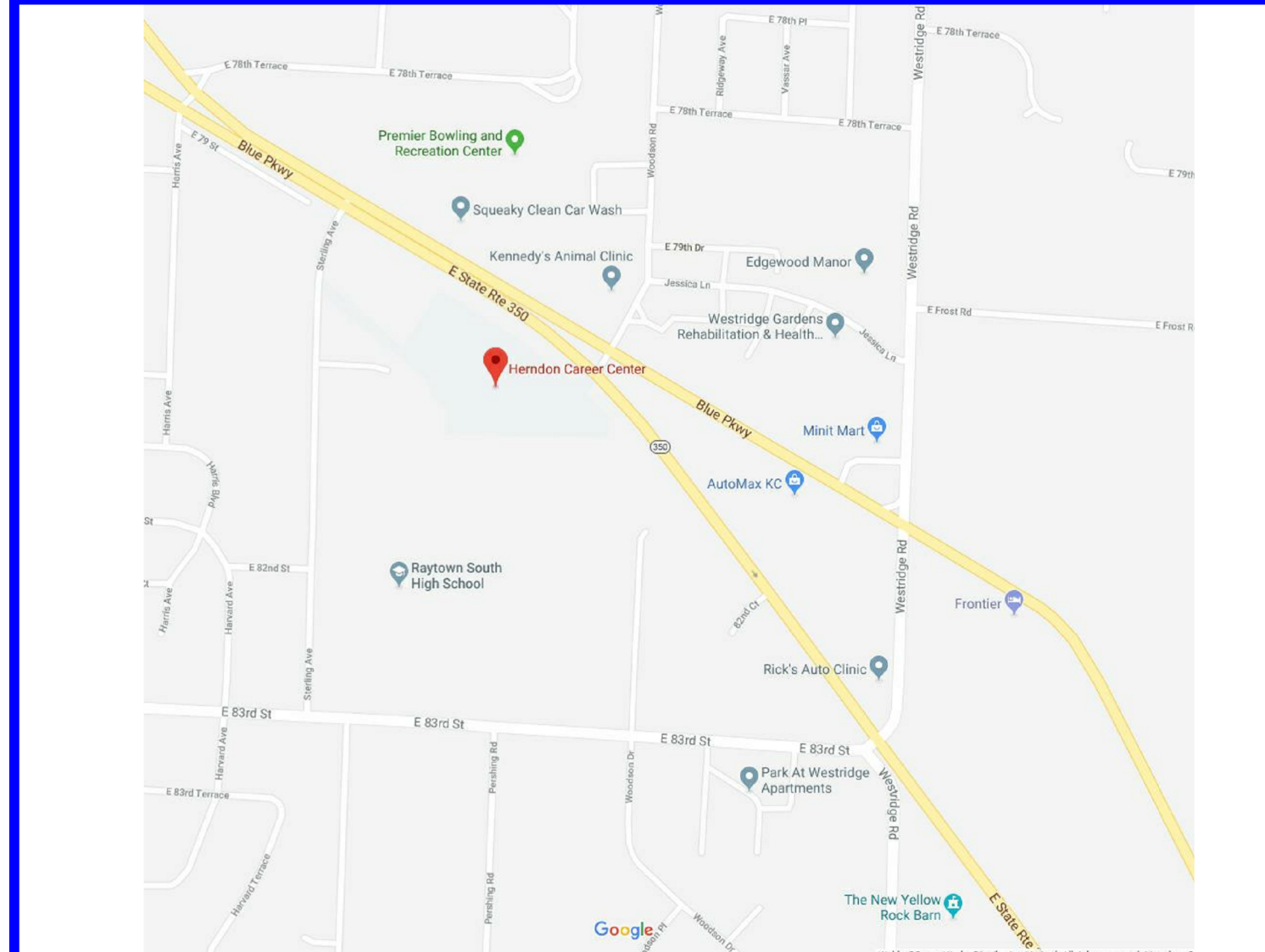
CIVIL ENGINEERS:
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11827 West 112th St
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CONTACT: Brian Hill
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FAX: 913.317.9385

STRUCTURAL ENGINEERS:
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CONTACT: Joshua Thorpe
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MECH/ELECT ENGINEERS:
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25501 West Valley Parkway
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CONTACT: Kent McCosh
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FAX: 913.345.0617

FOOD FACILITY DESIGN CONSULTANTS:
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Mission, KS 66202
CONTACT: John Kennedy
PHONE: 913.362.1800

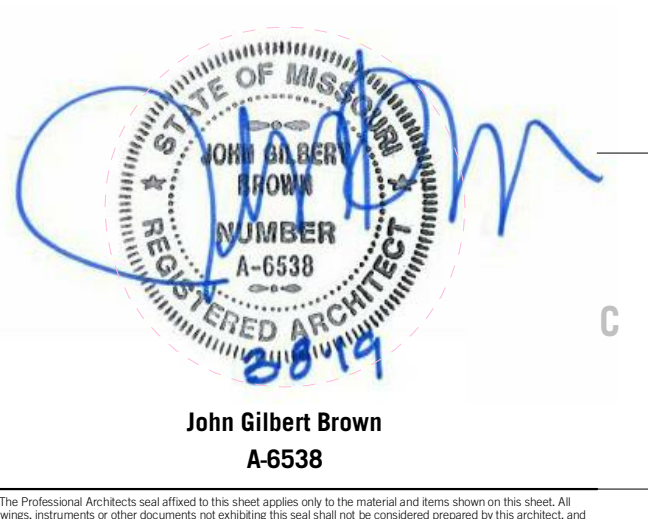
VICINITY MAP



Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO

REVISIONS:

#	Description	Date



JOB NO: 17048
DRAWN BY: HD
CHECKED BY: SB
DATE: 03.08.2019

GOOO

PROJECT INFORMATION

TYPE OF CONSTRUCTION II-B
 OWNER RAYTOWN QUALITY SCHOOLS
 OWNER ADDRESS 6608 RAYTOWN RD
 RAYTOWN, MO 64185

FIRE DEPARTMENT RAYTOWN FIRE PROTECTION DISTRICT
 ANTICIPATED OCCUPANCY AUGUST 2019

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 Architect # 23061133

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 913.362.1800 phone
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PROJECT CODES

THE FOLLOWING CODES WERE USED FOR THIS PROJECT:

- 2012 "IBC" INTERNATIONAL BUILDING CODE
- 2012 "IMC" INTERNATIONAL MECHANICAL CODE
- 2012 "IFC" INTERNATIONAL FIRE CODE
- 2011 "NEC" NATIONAL ELECTRIC CODE
- 2009 "A117.1" ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2012 "IFC" INTERNATIONAL FIRE CODE
- 2012 "IECC" INTERNATIONAL ENERGY CONSERVATION CODE

FIRE PROTECTION ITEMS

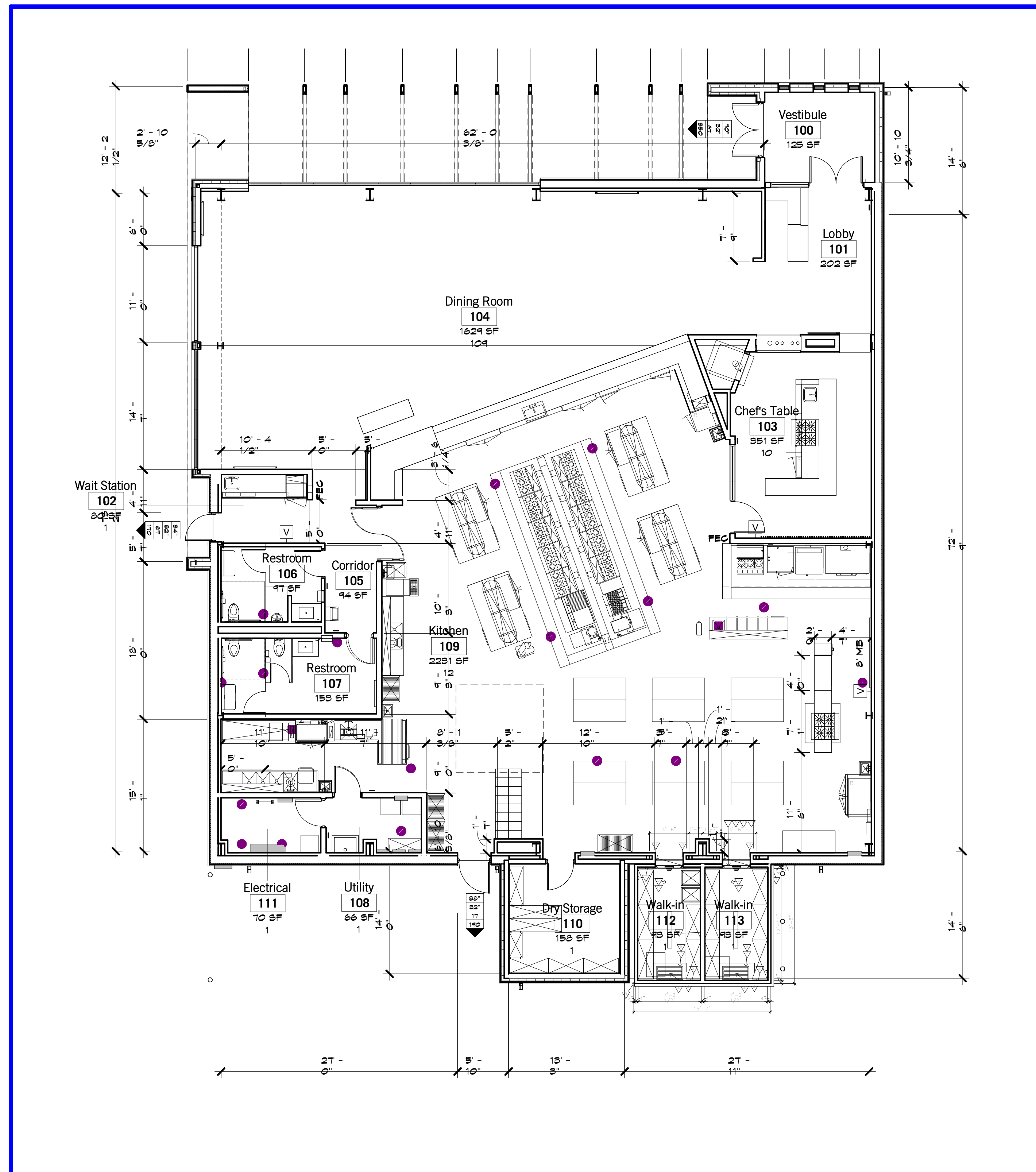
- ACTIVE FIRE PROTECTION PROVIDED:
 * NFPA 13 FIRE SPRINKLER SYSTEM:
 * PROVIDED THROUGHOUT BUILDING
- FIRE ALARM SYSTEM:
 * MANUAL FIRE ALARM SYSTEM NOT REQUIRED WITH SPRINKLERS.
 * AUDIBLE/VISUAL DEVICES PROVIDED THROUGHOUT SPACES.
- FIRE EXTINGUISHER CABINETS:
 * PROVIDED THROUGHOUT BUILDING
- PASSIVE FIRE PROTECTION PROVIDED:
 * CONSTRUCTION TYPE II-B, NON-COMBUSTIBLE, NON-PROTECTED.
 * CORRIDORS - NOT RATED WITH FIRE SPRINKLERS.

PROJECT CODE INFORMATION

BUILDING			
OCCUPANCY TYPE	A-2		
TYPE OF CONSTRUCTION	II-B		
ALLOWABLE BUILDING AREA	9,500 SF		
ALLOWABLE HEIGHT (# OF STORIES)	55' (2)	ACTUAL	6,700 12'(1)
OCCUPANCY LOAD	151		
NUMBER OF REQUIRED EXITS	2		
FLUMING REQUIREMENTS			
WATER CLOSETS		1 MEN	2 WOMEN
LAVATORIES		1 MEN	1 WOMEN
URINALS		1 MEN	
SERVICE SINK		1	
DRINKING FOUNTAINS (ADA COMPLIANT)		1	

CODE LEGEND

- DIRECTION OF EXIT
 - CAPACITY
 - ACTUAL # OF OCCUPANTS
 - EXIT WIDTH REQUIRED
 - EXIT WIDTH PROVIDED
- Classroom — ROOM NAME
 A301 — ROOM NUMBER
 600 SF — AREA IN SQUARE FEET
 30 — NUMBER OF OCCUPANTS



A9 Scale Code Floor Plan
 1/8" = 1'-0"

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
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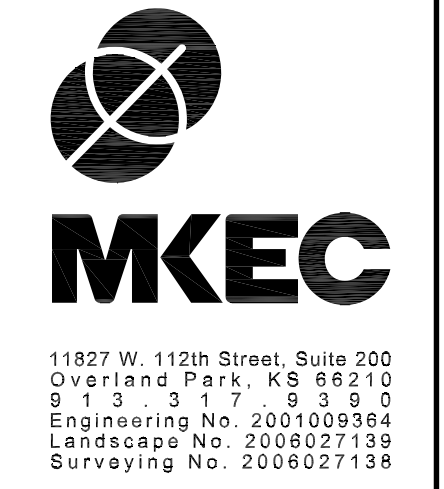
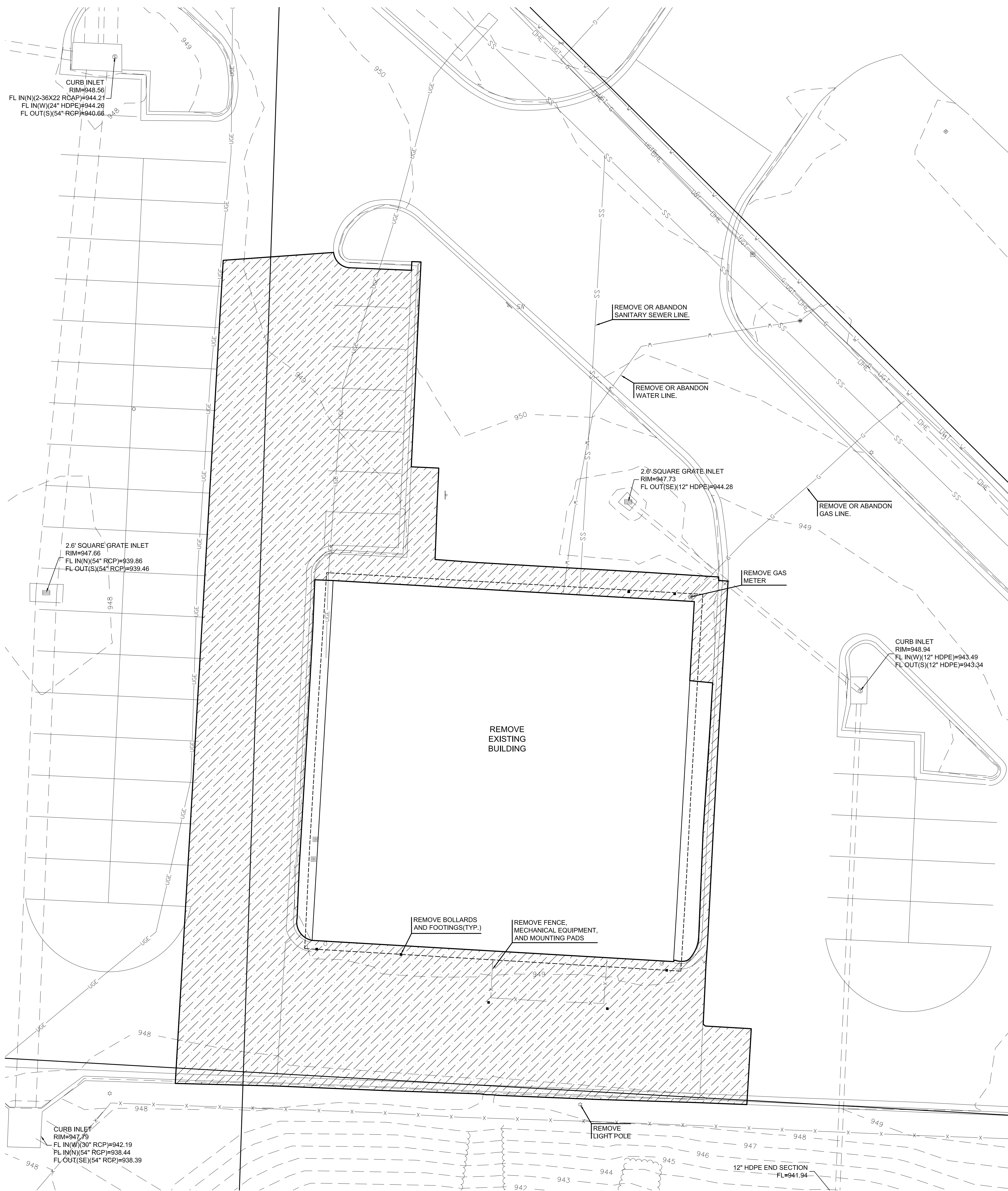
John Gilbert Brown
 A-6538

JOB NO: 17048
 DRAWN BY: HD
 CHECKED BY: SB
 DATE: 03.08.2019

G101

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11827 W. 112th Street, Suite 200
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Engineering No. 2008027139
Landscape No. 2008027139
Surveying No. 2008027139

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Mechanical # 01394

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architects
hollis + miller

CONSTRUCTION DOCUMENTS

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO

UTILITY CONTACTS:

- WATER**
JACKSON COUNTY PUBLIC WATER SUPPLY
DISTRICT NO. 2 (JCPWSD2)
6945 BLUE RIDGE BLVD.
RAYTOWN, MO 64133
(816) 353-5550
- ELECTRIC**
KANSAS CITY POWER & LIGHT (KCPL)
(816) 471-5275
- GAS**
SPIRE ENERGY
(816) 756-5252
- SANITARY & STORM SEWER**
ENGINEERING DIVISION
CITY OF RAYTOWN
10000 E 59TH ST.
RAYTOWN, MO 64133
(816) 737-8012
- MISSOURI ONE CALL**
811 OR 1-800-DIG-RITE

DEMOLITION LEGEND

- PAVEMENT REMOVAL
- TREE REMOVAL
- UTILITY REMOVAL
- TREE PROTECTION

REVISIONS:

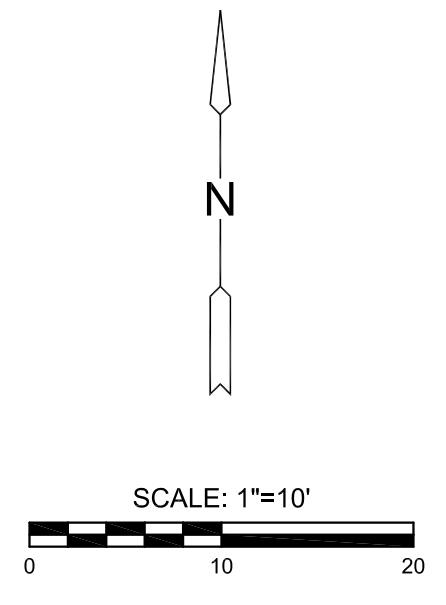
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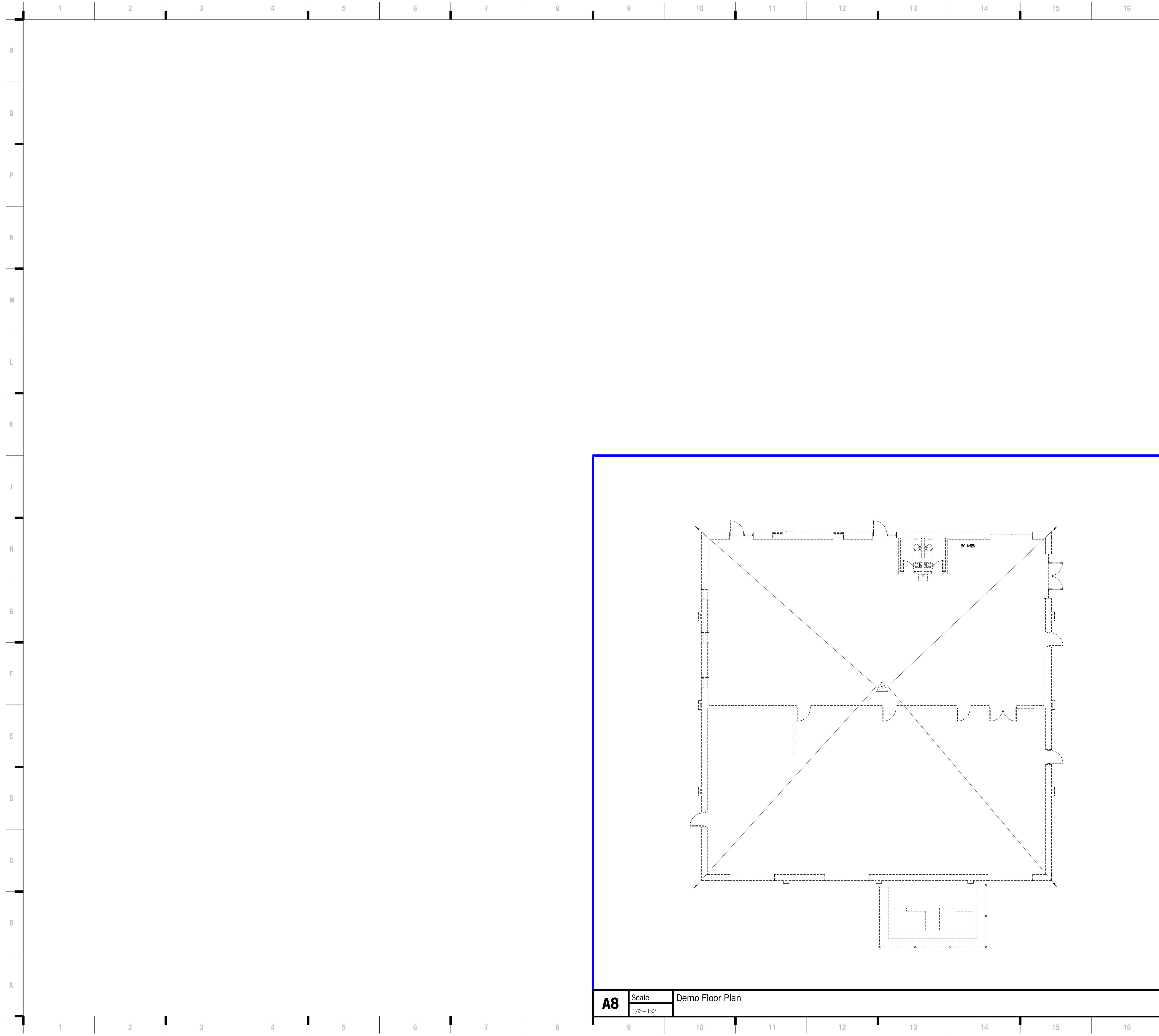


Gregory W. Nelson
Lic# 2011013101

JOB NO: 17048
DRAWN BY: JLB
CHECKED BY: GWN
DATE: 03.08.2019

DC101





A8 Scale Demo Floor Plan
1/8" = 1'-0"

SHEET KEYNOTE LEGEND

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Structure # 13061133

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GENERAL DEMOLITION NOTES

1. THESE NOTES APPLY TO ALL DEMOLITION WORK
2. IT IS THE INTENT OF THE DEMOLITION DRAWINGS TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION BEING BUILT/ INSTALLED. EVERY DETAIL OF THE DEMOLITION WORK MAY NOT NECESSARILY BE COVERED ON THESE DRAWINGS. YET THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE DEMOLITION WORK EVEN THOUGH NOT SHOWN OR SPECIFICALLY CALLED FOR, AND MUST BE INCLUDED IN THE BID.
3. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE DEMOLISHED. HALF-TONE LINES INDICATE EXISTING CONSTRUCTION TO REMAIN.
4. IN AREAS SCHEDULED FOR DEMOLITION, THE CONTRACTOR SHALL REMOVE ALL ACCESSORIES ATTACHED TO THE WALLS (SOAP AND TOWEL DISPENSERS, SHELVES, BULLETIN BOARDS, ETC.) AND TURN THEM OVER TO THE OWNER IF REQUESTED.
5. DEMOLITION PLANS REPRESENT THE MINIMUM DEMOLITION NEEDED TO ACCOMMODATE NEW CONSTRUCTION. THE CONTRACTOR HAS THE OPTION TO DEMOLISH ADDITIONAL AS NEEDED TO FACILITATE THE NEW CONSTRUCTION.
6. REMOVE ALL SIGNAGE FROM WALLS AND DOORS THAT ARE BEING DEMOLISHED UNLESS INDICATED OTHERWISE, AND SALVAGE FOR OWNER IF REQUESTED.
7. AVOID DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE FROM EXISTING FOOTINGS OR FLOOR SLABS.
8. THE OWNER WILL IDENTIFY ALL ITEMS TO BE SALVAGED PRIOR TO START OF THE DEMOLITION. CONTRACTOR SHALL SALVAGE AND TURN OVER TO OWNER ALL EQUIPMENT IDENTIFIED. ALL REMAINING EQUIPMENT NOT IDENTIFIED BY OWNER TO BE SALVAGED WILL BE REMOVED BY CONTRACTOR.

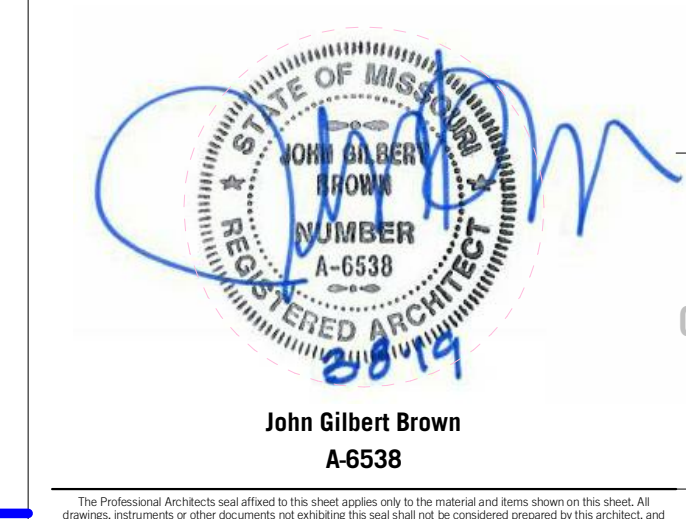
DEMOLITION NOTES

- △ REMOVE EXISTING BUILDING IN ITS ENTIRETY INCLUDING FLOOR SLAB AND FOOTINGS.

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DA101



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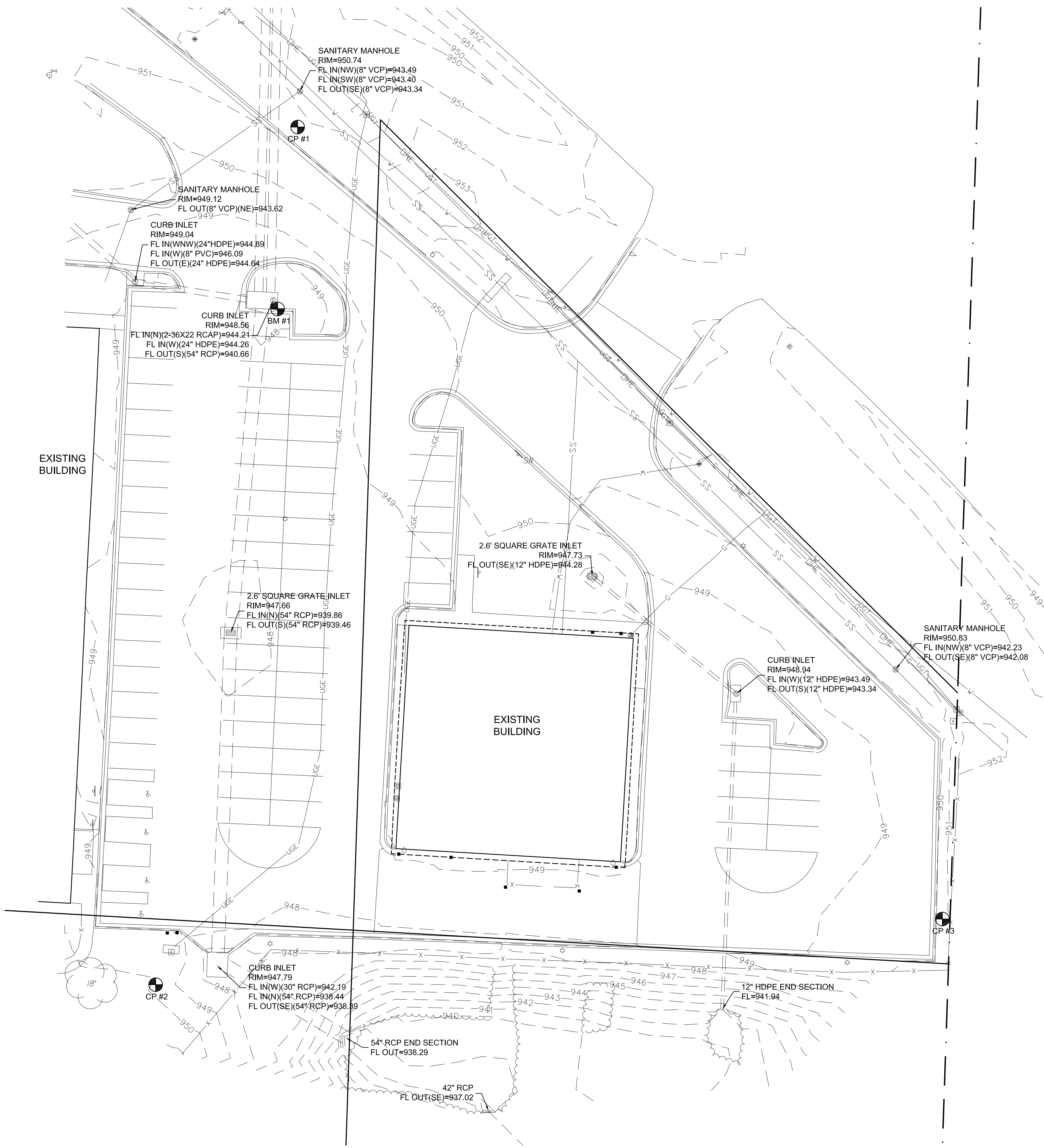
architects
hollis + miller

LEGEND

- ✱ 8" - TREE AND DIAMETER
- ✱ 3" - TREE AND DIAMETER
- 18" - TREE STUMP AND DIAMETER
- SN - SIGN
- - BUSH
- - MAIL BOX
- - POLE
- ⌵ - GATE
- - POST / BOLLARD
- ⌵ - FLAG POLE
- X — X — FENCE
- — — — — EDGE OF TREES
- UGT — — UNDERGROUND TELEPHONE LINE
- OHT — — OVERHEAD TELEPHONE LINE
- — — — — CABLE TV RISER
- FO — — FIBER OPTICS INDICATOR SIGN
- TV — — UNDERGROUND CABLE TV LINE
- FOC — — UNDERGROUND FIBER OPTIC CABLE
- ⌵ — POWER POLE AND DEADMAN
- ⊙ — LIGHT POLE
- ⊠ — ELECTRIC TRANSFORMER
- ⊙ — SCHOOL ZONE SIGNAL LIGHT
- ⊠ — TRAFFIC CONTROL BOX
- ⊙ — TRAFFIC SIGNAL LIGHT POLE
- UGE — — UNDERGROUND ELECTRIC LINE
- OHE — — OVERHEAD ELECTRIC LINE
- ⊙ — GAS METER
- ⌵ — GAS VALVE
- G — — GAS LINE
- ⊙ — SANITARY SEWER MANHOLE
- ⊙ — CLEANOUT
- SS — — SANITARY SEWER LINE
- — INLET
- ⊙ — STORM WATER MANHOLE
- — ROOF DRAIN
- — GRATE INLET
- — — — — STORM SEWER PIPE
- ⊙ — FIRE HYDRANT
- ⌵ — WATER VALVE
- ⊙ — WATER METER
- ⊙ — MONITORING WELL
- ⊙ — WATER METER VAULT
- ⊙ — WATER SPIGOT
- W — — WATER LINE
- ⊙ — IRRIGATION CONTROL VALVE

CONTROL POINTS & BENCHMARKS

- CP #1 5/8" REBAR WITH MKEC DESIGN CAP IN GRASS NORTH OF FRONTAGE ROAD AND WEST OF OF ENTRANCE, 4.7' NORTH OF CURB, 12.5' SOUTH OF SANITARY MANHOLE. N=1022931.695, E=2803743.724, ELEV=951.35'
 - CP #2 5/8" REBAR WITH MKEC DESIGN CAP IN GRASS NEAR SOUTHWEST CORNER OF PARKING LOT, 24' WEST-SOUTHWEST OF SOUTHWEST CORNER CURB INLET, 18' EAST OF 18" TREE. N=1022628.511, E=2803689.369, ELEV=950.29'
 - CP #3 5/8" REBAR WITH MKEC DESIGN CAP IN GRASS NEAR SOUTHEAST CORNER OF PARKING LOT, 2.5' EAST OF CURB, 15.5' NORTH OF SOUTHEAST FENCE CORNER. N=1022651.787, E=2803970.299, ELEV=950.67'
 - BM #1 CHISELED SQUARE ON SOUTHEAST CORNER OF CURB INLET IN PARKING ISLAND ON NORTHWEST SIDE OF SITE. ELEV=948.55'
- COORDINATES BASED ON NAD 83, MISSOURI STATE PLANES, WEST ZONE, IN US SURVEY FEET. ELEVATIONS DERIVED FROM NAVD 88, GEOID 12A, FROM MISSOURI DOT GNSS NETWORK.



GENERAL NOTES:

1. THE CONTRACTOR, PRIOR TO ANY EXCAVATION OR NEW CONSTRUCTION, SHALL HAVE UTILITIES FIELD LOCATED BY THE APPROPRIATE UTILITY COMPANY AND/OR CITY/COUNTY DEPARTMENT.
2. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THESE PLANS, REPRESENTS THE BEST INFORMATION AVAILABLE TO THE ENGINEER. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES WHETHER THESE UTILITIES ARE SHOWN ON THE PLANS, NOT SHOWN ON THE PLANS, OR SHOWN INCORRECTLY. UTILITIES DAMAGED THROUGH THE FAILURE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF THOSE UTILITIES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR SHALL, PRIOR TO ANY EXCAVATION OR NEW CONSTRUCTION, HAVE ALL UTILITIES FIELD LOCATED BY THE APPROPRIATE UTILITY COMPANY, CITY OR COUNTY DEPARTMENT, OR ONE-CALL SERVICE.
3. THE CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR REMOVAL OF EXISTING METERS, TAPS AND CONNECTIONS FOR SERVICES TO BE REMOVED OR RELOCATED.
4. THE SITE PLAN IS BASED ON A SURVEY OF THE SITE. CONDITIONS OF THE SITE AT THE TIME OF CONSTRUCTION MAY VARY FROM THE SURVEYED CONDITIONS. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
5. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS SHALL BE ADJUSTED OR RELOCATED.
6. NO CHANGES TO THE APPROVED CONSTRUCTION PLANS WILL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER.
7. IF BLASTING IS REQUIRED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCIES TO OBTAIN THE REQUIRED PERMITS. IF BLASTING IS ALLOWED, THE CONTRACTOR SHALL PERFORM BLASTING OPERATIONS ACCORDING TO STATE REGULATIONS AND LOCAL ORDINANCES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY PINS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY PINS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS, SUCH PINS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
9. CONTRACTOR TO HAVE REGISTERED LAND SURVEYOR RESET SECTION CORNER MONUMENT IF DISTURBED DURING CONSTRUCTION.
10. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES, DIMENSIONS, AND PLAN SCALES AND SHALL IMMEDIATELY NOTIFY THE OWNER/ENGINEER/ARCHITECT OF ANY SUCH DISCREPANCIES. ALL QUANTITIES, DIMENSIONS, AND PLAN SCALES PROVIDED ARE FOR GENERAL INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL QUANTITIES NECESSARY FOR THE COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS IRRESPECTIVE OF THE QUANTITIES, DIMENSIONS, AND PLAN SCALES NOTED, NOT NOTED, OR NOTED INCORRECTLY.
11. ANY CURB, GUTTER, SIDEWALKS, AND PAVING THAT IS DAMAGED IN EXCESS OF THE CONSTRUCTION SHOWN IN THIS PLAN SET SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
12. ALL REMOVALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PER APPLICABLE STANDARDS (UNLESS OTHERWISE NOTED).
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE RECOMMENDATIONS NOTED IN THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT UNDER THE TITLE "GEOTECHNICAL ENGINEERING REPORT - HERNDON RESTAURANT", PROJECT NO. 02185070, PREPARED BY TERRACON CONSULTANTS, INC., DATED APRIL 19, 2018.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL WHEN WORKING WITHIN THE PUBLIC RIGHT-OF-WAY. ALL SUCH TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL" AND/OR LOCAL JURISDICTION SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL ENSURE ALL TRAFFIC CONTROL DEVICES ARE CLEAN, PROPERLY VISIBLE, OPERATING CORRECTLY, AND LOCATED PROPERLY. THE CONTRACTOR SHALL IMMEDIATELY REPLACE ANY DAMAGED, DEFACED, OR INOPERABLE, OR MISSING TRAFFIC CONTROL DEVICES.
15. THE CONTRACTOR IS TO PROVIDE PERMANENT SEEDING, FERTILIZING, MULCHING OR SODDING OF ALL DISTURBED AREAS. THIS WORK TO BE DONE IN ACCORDANCE WITH THE LANDSCAPING PLANS AND SPECIFICATIONS.
16. ALL SITE WORK FOR THIS PROJECT IS CONSIDERED "UNCLASSIFIED", THE TERM "UNCLASSIFIED" EXCAVATION SHALL BE DEFINED AS MEANING THE CONTRACTOR BEARS THE ENTIRE RISK OF THE SOIL QUANTITIES AND/OR TYPES (E.G. ROCK, CLAY, PEAT, SILT, SHALE, ETC.) ENCOUNTERED EITHER ABOVE OR BELOW PROPOSED SUBGRADES. IN THE EVENT IT BECOMES NECESSARY FOR UNSUITABLE SOILS TO BE HANDLED, REMOVED FROM THE SITE, OR FOR SUITABLE MATERIAL TO BE IMPORTED TO THE SITE, THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF SUCH ADDITIONAL WORK. THE CONTRACTOR UNDERSTANDS THAT "UNSUITABLE" SOILS ALSO INCLUDE SATURATED SOILS THAT MAY NEED REPLACING AND/OR TREATING IN ORDER TO MEET SCHEDULE DATES. THIS DEFINITION OF "UNCLASSIFIED" SUPERSEDES ANY CONTRARY DEFINITIONS OR STATEMENTS WHICH MAY BE CONTAINED IN THE SPECIFICATIONS, PLANS, OR OTHER CONTRACT DOCUMENTS. THE UNCLASSIFIED SITE SHALL INCLUDE ALL WORK ABOVE THE BOTTOM OF REQUIRED EXCAVATIONS AND/OR SOIL REMEDIATION/REPLACEMENT.
17. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT. BUILDING SHALL NOT BE STAKED FROM CIVIL DRAWINGS.
18. PROPOSED CONTOURS SHOWN ON THESE PLANS ARE FINAL SURFACE CONTOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS FOR PAVEMENT THICKNESS, SUBGRADE THICKNESS, TOPSOIL, REMOVALS, ETC.

CONSTRUCTION DOCUMENTS

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO

REVISIONS:	#	Description	Date



Gregory W. Nelson
Lic# 2011013101

The Professional Engineer and Architect Seal shall apply only when placed on plans prepared and drawn by the seal holder. The seal holder shall be responsible for the accuracy of the information provided on the seal and the seal holder shall be held responsible for any errors, omissions, or inaccuracies on the drawings.

JOB NO: 17048
DRAWN BY: JLB
CHECKED BY: GWN
DATE: 03.08.2019

C100

EXISTING CONDITIONS



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25501 W. Valley Parkway, Ste 200
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CONSTRUCTION DOCUMENTS

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO

REVISIONS:		
#	Description	Date

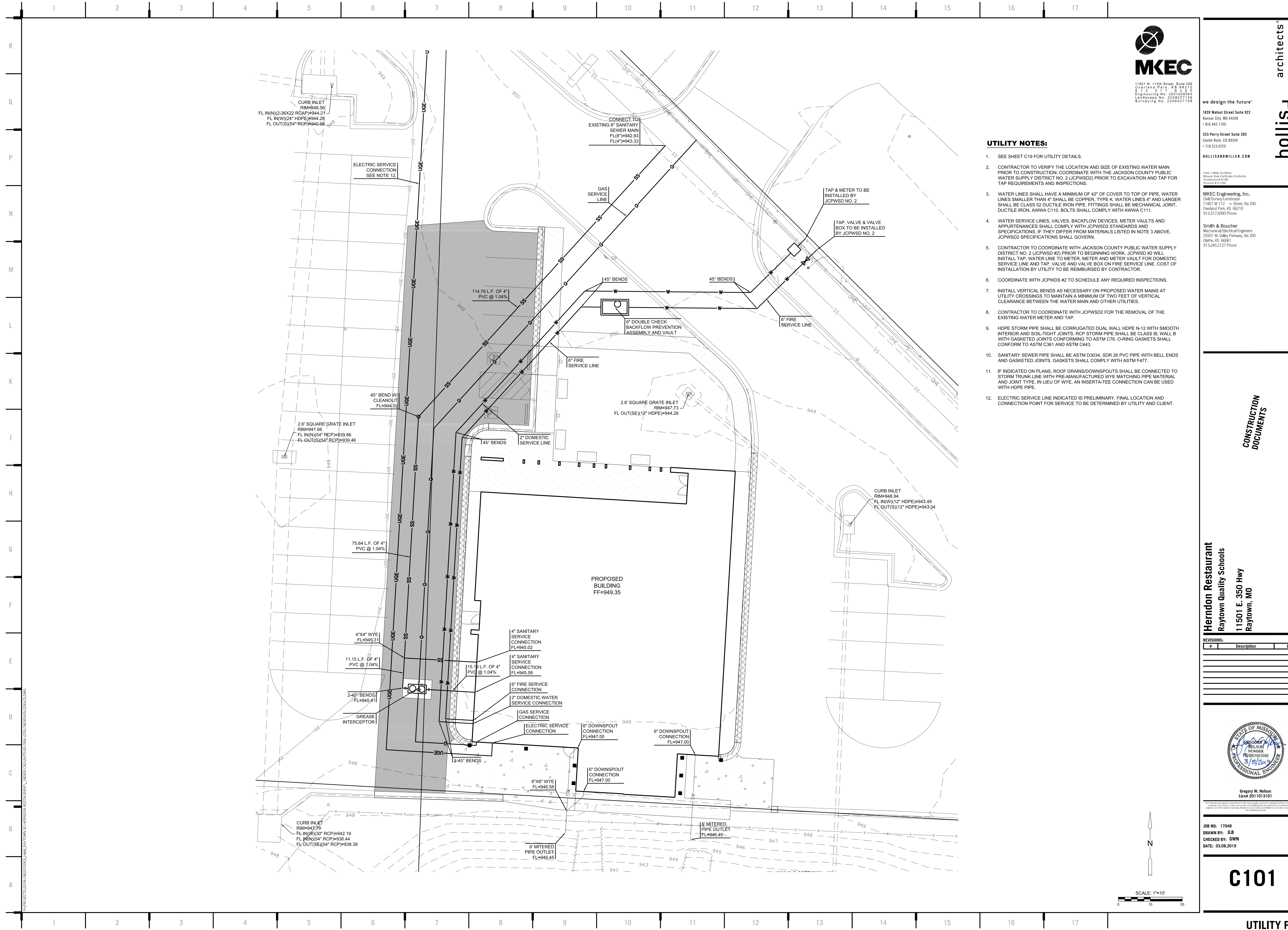


Gregory W. Nelson
Lic# 2011013101

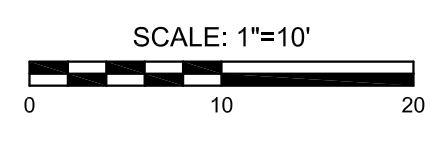
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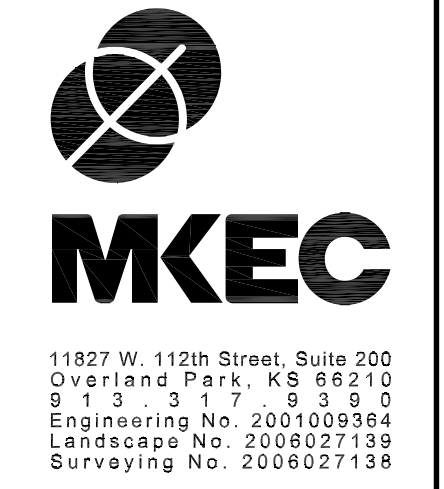
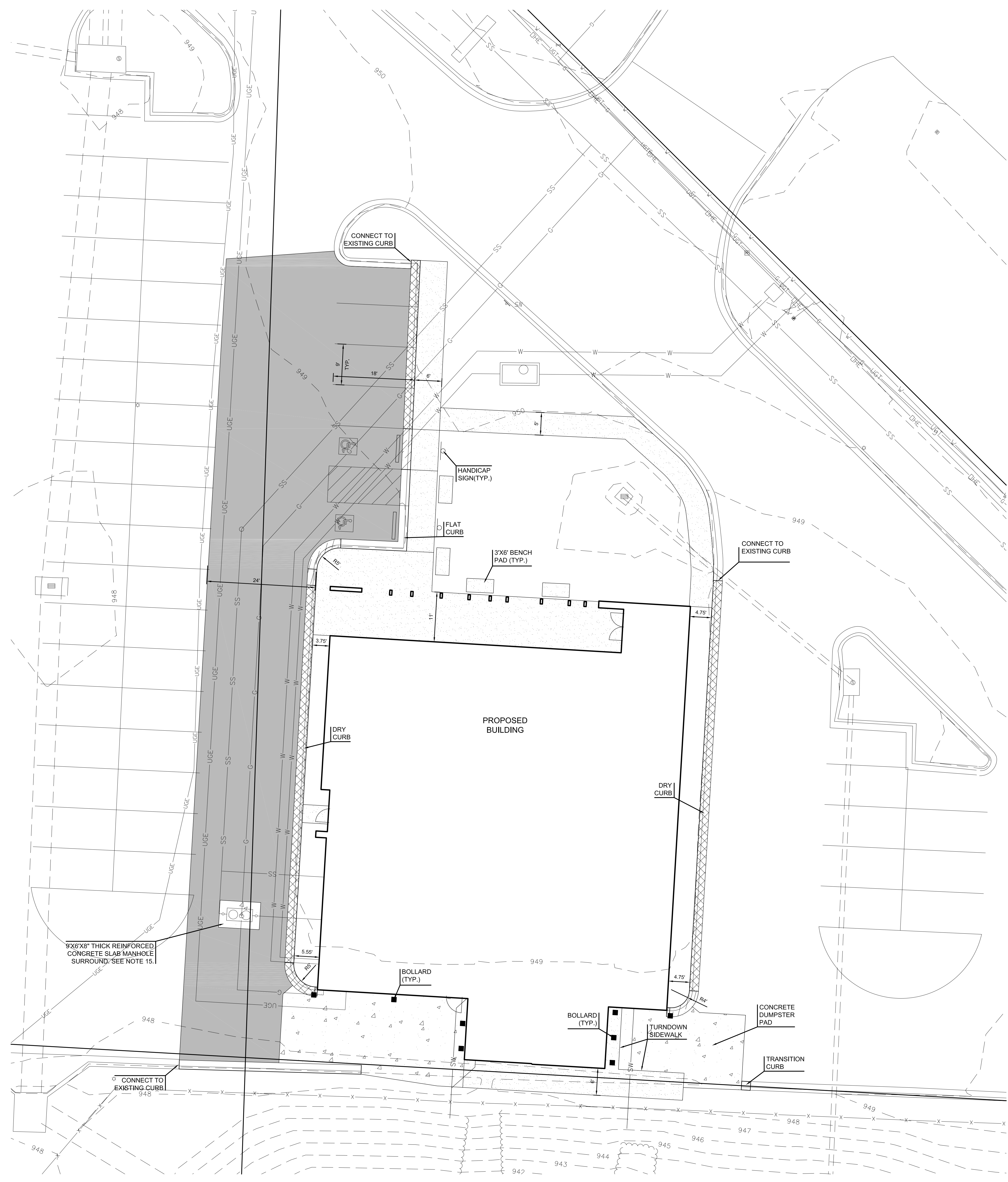
C101

UTILITY PLAN



- UTILITY NOTES:**
- SEE SHEET C19 FOR UTILITY DETAILS.
 - CONTRACTOR TO VERIFY THE LOCATION AND SIZE OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION. COORDINATE WITH THE JACKSON COUNTY PUBLIC WATER SUPPLY DISTRICT NO. 2 (JCPWSD2) PRIOR TO EXCAVATION AND TAP FOR TAP REQUIREMENTS AND INSPECTIONS.
 - WATER LINES SHALL HAVE A MINIMUM OF 42" OF COVER TO TOP OF PIPE. WATER LINES SMALLER THAN 4" SHALL BE COPPER, TYPE K. WATER LINES 4" AND LARGER SHALL BE CLASS 52 DUCTILE IRON PIPE. FITTINGS SHALL BE MECHANICAL JOINT, DUCTILE IRON, AWWA C110. BOLTS SHALL COMPLY WITH AWWA C111.
 - WATER SERVICE LINES, VALVES, BACKFLOW DEVICES, METER VAULTS AND APPURTENANCES SHALL COMPLY WITH JCPWSD2 STANDARDS AND SPECIFICATIONS. IF THEY DIFFER FROM MATERIALS LISTED IN NOTE 3 ABOVE, JCPWSD2 SPECIFICATIONS SHALL GOVERN.
 - CONTRACTOR TO COORDINATE WITH JACKSON COUNTY PUBLIC WATER SUPPLY DISTRICT NO. 2 (JCPWSD #2) PRIOR TO BEGINNING WORK. JCPWSD #2 WILL INSTALL TAP, WATER LINE TO METER, METER AND METER VAULT FOR DOMESTIC SERVICE LINE AND TAP, VALVE AND VALVE BOX ON FIRE SERVICE LINE. COST OF INSTALLATION BY UTILITY TO BE REIMBURSED BY CONTRACTOR.
 - COORDINATE WITH JCPWSD #2 TO SCHEDULE ANY REQUIRED INSPECTIONS.
 - INSTALL VERTICAL BENDS AS NECESSARY ON PROPOSED WATER MAINS AT UTILITY CROSSINGS TO MAINTAIN A MINIMUM OF TWO FEET OF VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND OTHER UTILITIES.
 - CONTRACTOR TO COORDINATE WITH JCPWSD2 FOR THE REMOVAL OF THE EXISTING WATER METER AND TAP.
 - HDPE STORM PIPE SHALL BE CORRUGATED DUAL WALL HDPE N-12 WITH SMOOTH INTERIOR AND SOIL-TIGHT JOINTS. RCP STORM PIPE SHALL BE CLASS III WALL B WITH GASKETED JOINTS CONFORMING TO ASTM C76. O-RING GASKETS SHALL CONFORM TO ASTM C361 AND ASTM C443.
 - SANITARY SEWER PIPE SHALL BE ASTM D3034, SDR 26 PVC PIPE WITH BELL ENDS AND GASKETED JOINTS. GASKETS SHALL COMPLY WITH ASTM F477.
 - IF INDICATED ON PLANS, ROOF DRAINS/DOWNSPOUTS SHALL BE CONNECTED TO STORM TRUNK LINE WITH PRE-MANUFACTURED WYE MATCHING PIPE MATERIAL AND JOINT TYPE. IN LIEU OF WYE, AN INSERT-A-TEE CONNECTION CAN BE USED WITH HDPE PIPE.
 - ELECTRIC SERVICE LINE INDICATED IS PRELIMINARY. FINAL LOCATION AND CONNECTION POINT FOR SERVICE TO BE DETERMINED BY UTILITY AND CLIENT.





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PAVING NOTES:

- SEE SHEET C201 FOR PAVEMENT DETAILS.
- ALL DIMENSIONS ARE TO BACK OF CURB.
- INSTALL CONCRETE PARKING STOP ON ALL HANDICAP PARKING STALLS.
- ALL PARKING STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
- ALL ASPHALT PARKING LOTS AND DRIVES SHALL CONFORM TO CURRENT APWA KC METRO CHAPTER SPECIFICATIONS WITH THICKNESS AND SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATIONS. SURFACE COURSE ASPHALT SHALL BE VIRGIN MATERIALS. RECYCLED CONTENT IS ALLOWED IN THE BASE COURSE WITHIN THE APWA LIMITS.
- PORTLAND CEMENT CONCRETE PAVEMENT SHALL HAVE A MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, 6% +/- 1% AIR ENTRAINMENT, AND 3/4" MAXIMUM AGGREGATE SIZE. SLUMP LIMIT: 4" +/- 1" FOR PAVING AND 2" +/- FOR CURBS AND GUTTERS. CONCRETE PAVEMENT SHALL CONFORM TO THE CURRENT APWA KC METRO CHAPTER STANDARD SPECIFICATIONS.
- ALL SIDEWALKS SHALL BE 4" UN-REINFORCED CONCRETE.
- COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
- INSTALL GRAVEL BLANKET DRAINS AT ALL PARKING LOT AND ROADWAY CURB INLETS PER GEOTECHNICAL REPORT PRIOR TO SUBGRADE AND PAVEMENT INSTALLATION.
- PARKING STALL STRIPING SHALL BE 4" WHITE, 15 MILS MIN. THICKNESS.
- HANDICAP PARKING STALL LOADING ZONE STRIPING SHALL BE 4" WHITE, 2" O.C. @ 45° ANGLE, 15 MILS MIN. THICKNESS.
- INSTALL HANDICAP PAVEMENT MARKING ON HANDICAP PARKING STALLS PER DETAIL ON SHEET C201.
- ALL CURBS SHALL BE CG-1 UNLESS OTHERWISE NOTED.
- 5' WIDE SIDEWALKS SHALL HAVE A MAXIMUM OF 5' CONTRACTION JOINT SPACING. 6' WIDE SIDEWALKS SHALL HAVE A MAXIMUM CONTRACTION JOINT SPACING OF 6'. 8' WIDE SIDEWALKS SHALL HAVE A MAXIMUM 4' CONTRACTION JOINT SPACING WITH A LONGITUDINAL CONTRACTION JOINT DOWN THE MIDDLE OF THE SIDEWALK.
- REINFORCED CONCRETE SLAB TO BE CENTERED OVER GREASE INTERCEPTOR ASSEMBLY. REINFORCE WITH #4 REBAR AT 12" O.C. EACH WAY, WITH 2 DIAGONAL BARS SPACED 4' APART AROUND EACH ACCESS OPENING. SPACE REBAR 2-1/2" FROM EDGE OF SLAB.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TRAFFIC CONTROL NECESSARY ON SURROUNDING STREETS FOR CONSTRUCTION. TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF MUTCD AND CITY SPECIFICATIONS.
- CROSS WALK AND STOP BARS STRIPING SHALL BE 12" WIDE AND 24" RESPECTIVELY. THERMOPLASTIC MARKINGS TYPE, COLOR WHITE.
- COORDINATE INSTALLATION OF PVC SLEEVES AND GRANULAR TRENCH BACKFILL FOR IRRIGATION PRIOR TO PAVEMENT INSTALLATION.
- ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF MUTCD.
DEAD END SIGN: W14-1, 30"X30"
ONE-WAY SIGN: R8-1, 36"X12"
SPEED LIMIT SIGN: R2-1, 24"X30"
STOP SIGN: R1-1, 36"X36"
DO NOT ENTER: R5-1, 30"X30"
CROSSWALK AHEAD SIGN: S1-1, 36"X36"
AHEAD SIGN: W16-6P, 24"X12"
ARROW: W16-6P, 24"X18"
ARROW: W16-7P, 24"X12"
STREET NAME SIGN: COMPLY WITH CITY REQUIREMENTS.

PAVING LEGEND

- 4" CONCRETE SIDEWALK
- 7" CONCRETE SECTION
- 7" ASPHALT SECTION
- DRY CURB
- CURB TRANSITION

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REVISIONS:

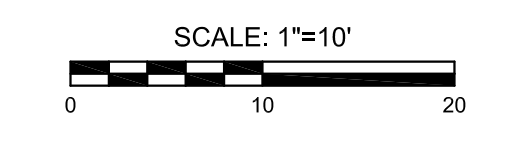
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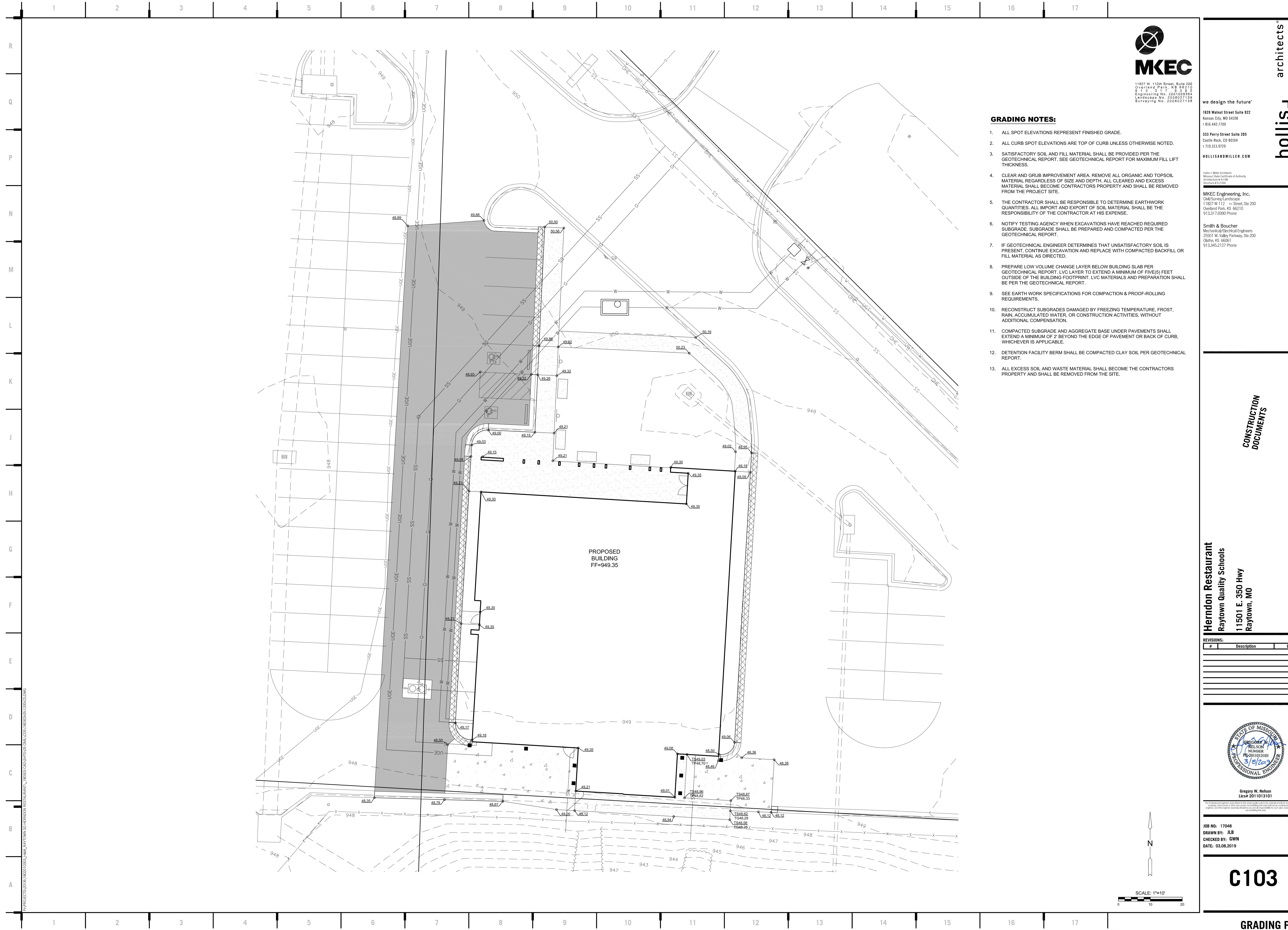


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 Overland Park, KS 66212
 Engineering No. 2008027139
 Landscaping No. 2008027139
 Surveying No. 2008027139

GRADING NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FINISHED GRADE.
2. ALL CURB SPOT ELEVATIONS ARE TOP OF CURB UNLESS OTHERWISE NOTED.
3. SATISFACTORY SOIL AND FILL MATERIAL SHALL BE PROVIDED PER THE GEOTECHNICAL REPORT. SEE GEOTECHNICAL REPORT FOR MAXIMUM FILL LIFT THICKNESS.
4. CLEAR AND GRUB IMPROVEMENT AREA. REMOVE ALL ORGANIC AND TOPSOIL MATERIAL REGARDLESS OF SIZE AND DEPTH. ALL CLEARED AND EXCESS MATERIAL SHALL BECOME CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE EARTHWORK QUANTITIES. ALL IMPORT AND EXPORT OF SOIL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
6. NOTIFY TESTING AGENCY WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE. SUBGRADE SHALL BE PREPARED AND COMPACTED PER THE GEOTECHNICAL REPORT.
7. IF GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
8. PREPARE LOW VOLUME CHANGE LAYER BELOW BUILDING SLAB PER GEOTECHNICAL REPORT. LVC LAYER TO EXTEND A MINIMUM OF FIVE(5) FEET OUTSIDE OF THE BUILDING FOOTPRINT. LVC MATERIALS AND PREPARATION SHALL BE PER THE GEOTECHNICAL REPORT.
9. SEE EARTH WORK SPECIFICATIONS FOR COMPACTION & PROOF-ROLLING REQUIREMENTS.
10. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURE, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES, WITHOUT ADDITIONAL COMPENSATION.
11. COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
12. DETENTION FACILITY BERM SHALL BE COMPACTED CLAY SOIL PER GEOTECHNICAL REPORT.
13. ALL EXCESS SOIL AND WASTE MATERIAL SHALL BECOME THE CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE SITE.

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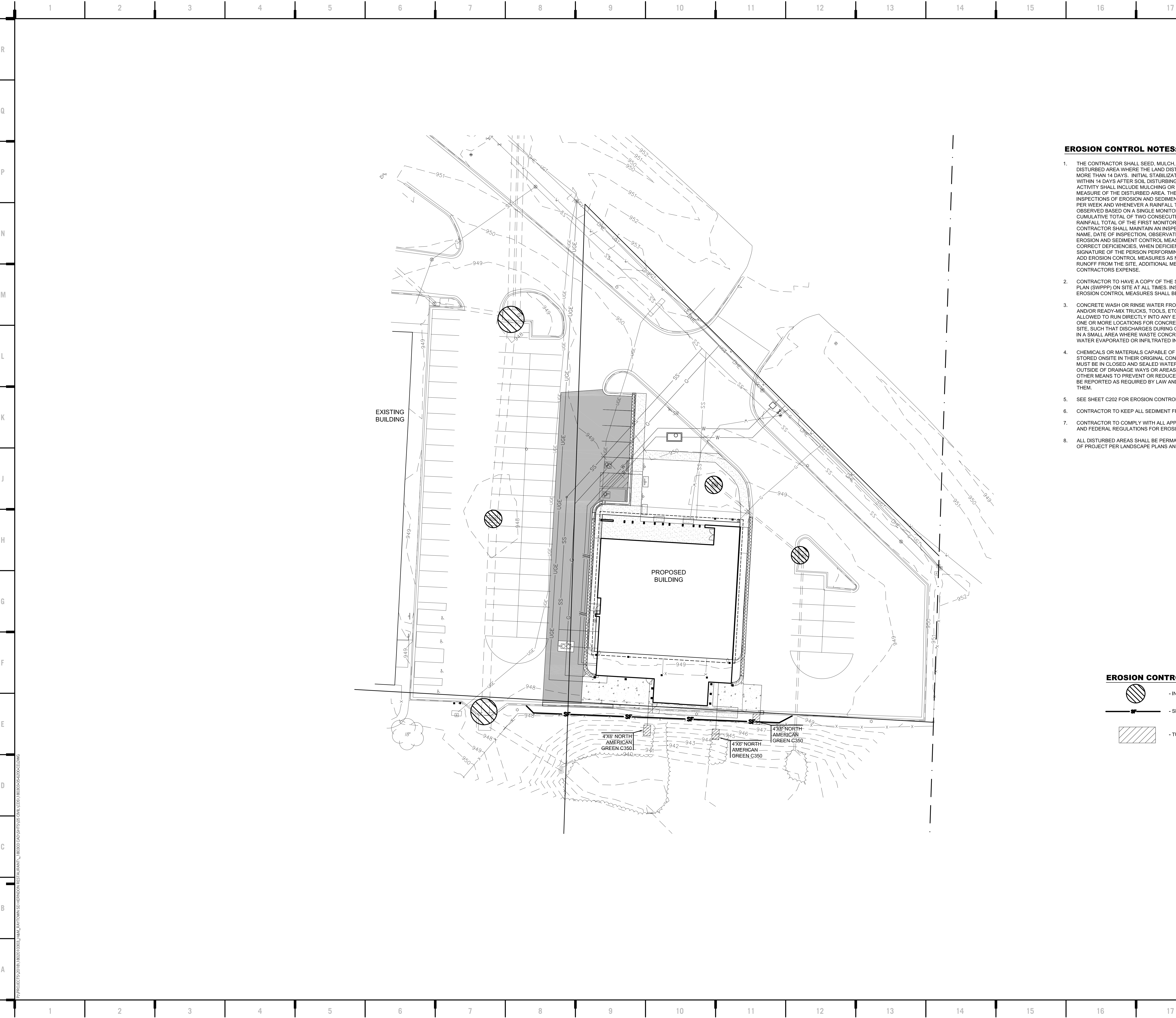
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The Professional Engineer and Architect Seal shall apply only to the work shown on this plan. It does not constitute a warranty or representation of the accuracy of the information shown on this plan, and the engineer shall not be held responsible for such errors, omissions, or inaccuracies.

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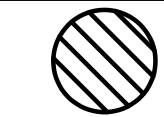
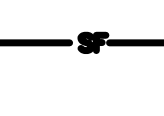
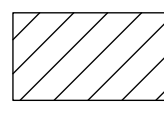
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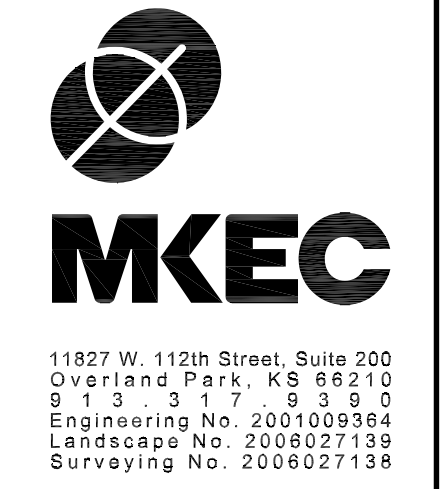
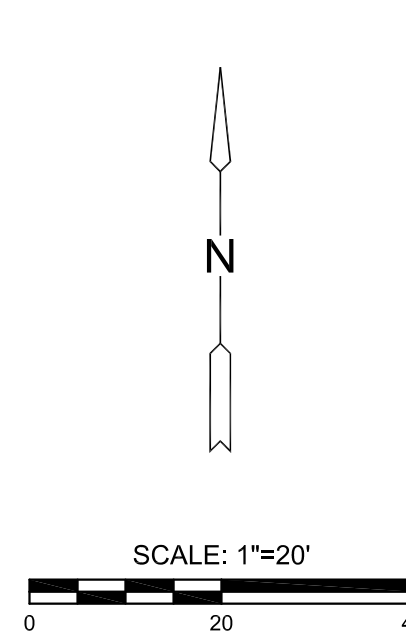


EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL SEED, MULCH, OR OTHERWISE STABILIZE ANY DISTURBED AREA WHERE THE LAND DISTURBANCE ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS. INITIAL STABILIZATION ACTIVITIES SHALL BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES HAVE CEASED. ALL SEEDING ACTIVITY SHALL INCLUDE MULCHING OR EQUIVALENT SOIL STABILIZING BMP MEASURE OF THE DISTURBED AREA. THE CONTRACTOR SHALL PERFORM INSPECTIONS OF EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE PER WEEK AND WHENEVER A RAINFALL TOTAL OF 0.5 INCHES OR GREATER IS OBSERVED BASED ON A SINGLE MONITORING EVENT; OR BASED ON THE CUMULATIVE TOTAL OF TWO CONSECUTIVE MONITORING EVENTS WHEN THE RAINFALL TOTAL OF THE FIRST MONITORING EVENT IS LESS THAN 0.5 INCHES. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG INCLUDING THE INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS AS TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL MEASURES, ACTIONS NECESSARY TO CORRECT DEFICIENCIES, WHEN DEFICIENCIES ARE CORRECTED, AND THE SIGNATURE OF THE PERSON PERFORMING THE INSPECTION. CONTRACTOR SHALL ADD EROSION CONTROL MEASURES AS NECESSARY TO CONTROL SEDIMENT RUNOFF FROM THE SITE. ADDITIONAL MEASURES SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR TO HAVE A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE AT ALL TIMES. INSPECTION LOGS AND ANY CHANGES TO EROSION CONTROL MEASURES SHALL BE ADDED TO THE SWPPP.
3. CONCRETE WASH OR RINSE WATER FROM CONCRETE MIXING EQUIPMENT, TOOLS AND/OR READY-MIX TRUCKS, TOOLS, ETC. MAY NOT BE DISCHARGED INTO OR BE ALLOWED TO RUN DIRECTLY INTO ANY EXISTING WATER BODY OR STORM INLET. ONE OR MORE LOCATIONS FOR CONCRETE WASH OUT WILL BE DESIGNATED ON SITE. SUCH THAT DISCHARGES DURING CONCRETE WASHOUT WILL BE CONTAINED IN A SMALL AREA WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER EVAPORATED OR INFILTRATED INTO THE GROUND.
4. CHEMICALS OR MATERIALS CAPABLE OF CAUSING POLLUTION MAY ONLY BE STORED ONSITE IN THEIR ORIGINAL CONTAINER. MATERIALS STORED OUTSIDE MUST BE IN CLOSED AND SEALED WATER-PROOF CONTAINERS AND LOCATED OUTSIDE OF DRAINAGE WAYS OR AREAS SUBJECT TO FLOODING. LOCKS AND OTHER MEANS TO PREVENT OR REDUCE VANDALISM SHALL BE USED. SPILLS WILL BE REPORTED AS REQUIRED BY LAW AND IMMEDIATE ACTIONS TAKEN TO CONTAIN THEM.
5. SEE SHEET C202 FOR EROSION CONTROL DETAILS.
6. CONTRACTOR TO KEEP ALL SEDIMENT FROM EXISTING OR PROPOSED PAVEMENT.
7. CONTRACTOR TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CITY, STATE, AND FEDERAL REGULATIONS FOR EROSION CONTROL.
8. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED UPON COMPLETION OF PROJECT PER LANDSCAPE PLANS AND SPECIFICATIONS.

EROSION CONTROL LEGEND

-  - INLET PROTECTION
-  - SILT FENCE
-  - TURF MAT



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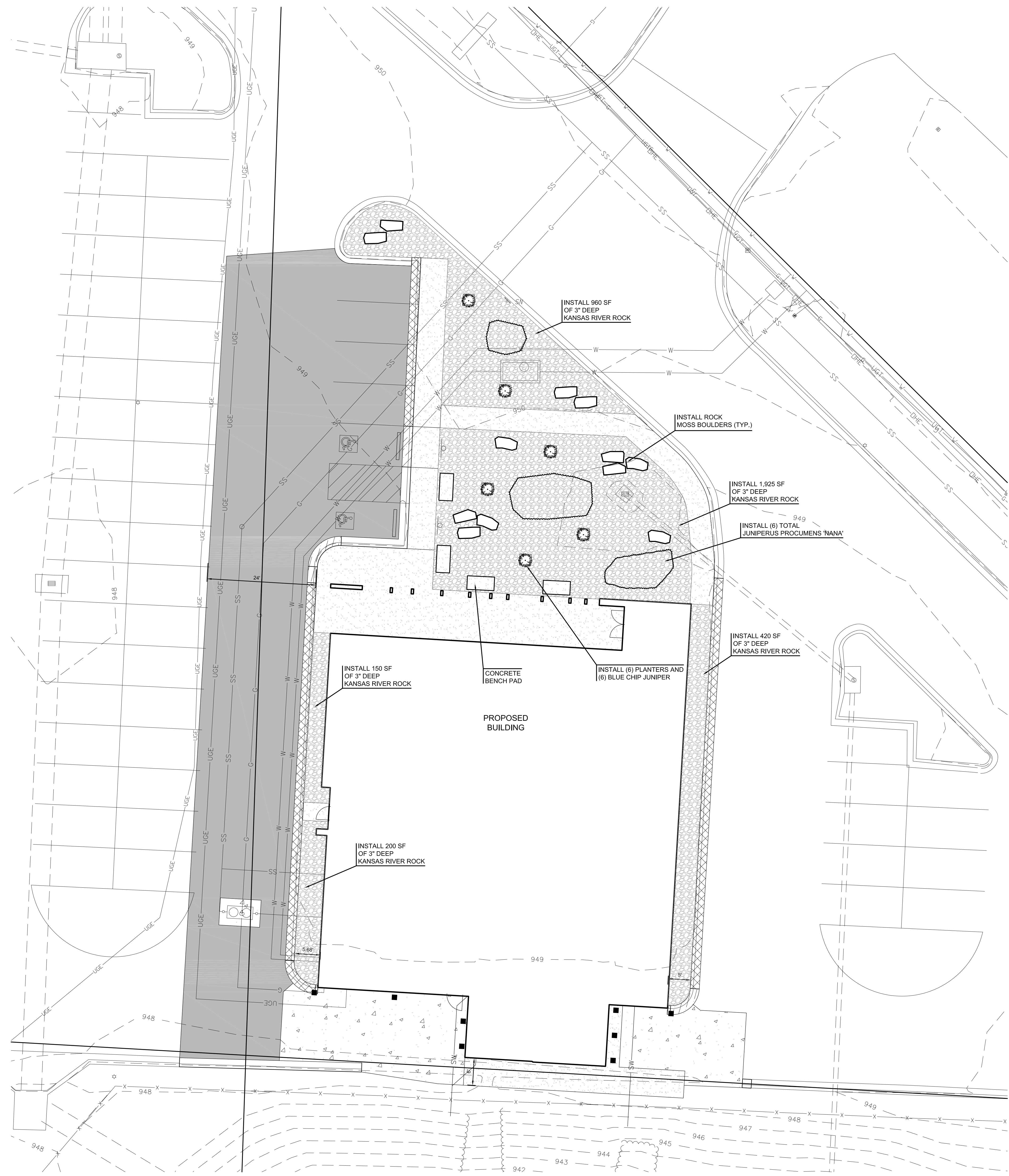
Gregory W. Nelson
 Lic# 2011013101
 I, the undersigned, do hereby certify that the above is a true and correct copy of the plan, drawings, specifications and reports prepared by me or under my direct supervision and that I am a duly licensed professional engineer and that I am not providing these services to any other party for such plan, drawings, or documents as indicated herein.

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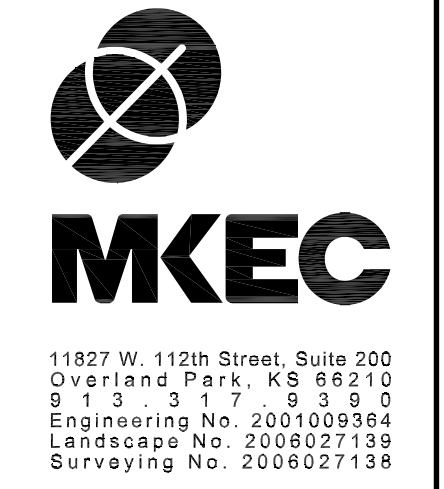
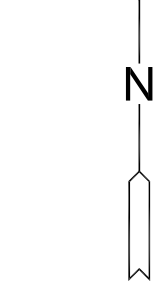
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NOTES:

- ROCK BEDS TO BE INSTALLED OVER WEED BARRIER MAT. CONTRACTOR TO SUBMIT WEED BARRIER MAT MATERIAL SPECIFICATION SHEET FOR APPROVAL BY LANDSCAPE ARCHITECT.
- KANSAS RIVER ROCK TO BE EVENLY SPREAD 3" IN DEPTH ACROSS ALL ROCK BEDS. EXCAVATE TO A DEPTH OF AT LEAST 3" IN DEPTH AND 2' IN WIDTH ADJACENT TO CURBS AND SIDEWALKS TO PREVENT ROCK FROM SPILLING INTO ROADWAYS OR ONTO SIDEWALKS.
- MOSS ROCK BOULDERS TO BE APPROXIMATELY 1/2 TON IN SIZE.
- ROCK MATERIALS SHALL BE PROVIDED BY STURGIS MATERIALS, 913.371.7757 OR APPROVED OTHER.
- INSTALL BLUE CHIP JUNIPER (JUNIPERUS HORIZONTALIS 'BLUE CHIP') AND NANA JUNIPER (JUNIPERUS PROCUMBENS 'NANA') PER PLANT PROVIDER INSTRUCTIONS. COORDINATE WITH LANDSCAPE ARCHITECT TO FIELD LOCATE.
- PLANTERS TO BE FORMS+SURFACES MITER PLANTERS (S) MODEL SPMI-118 (SQUARE PLANTER) AND (1) MODEL SPMI-218 (RECTANGLE PLANTER) OR APPROVED EQUAL.



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Brian I. Hochstein
Lic# LA-2010013958

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LANDSCAPE PLAN

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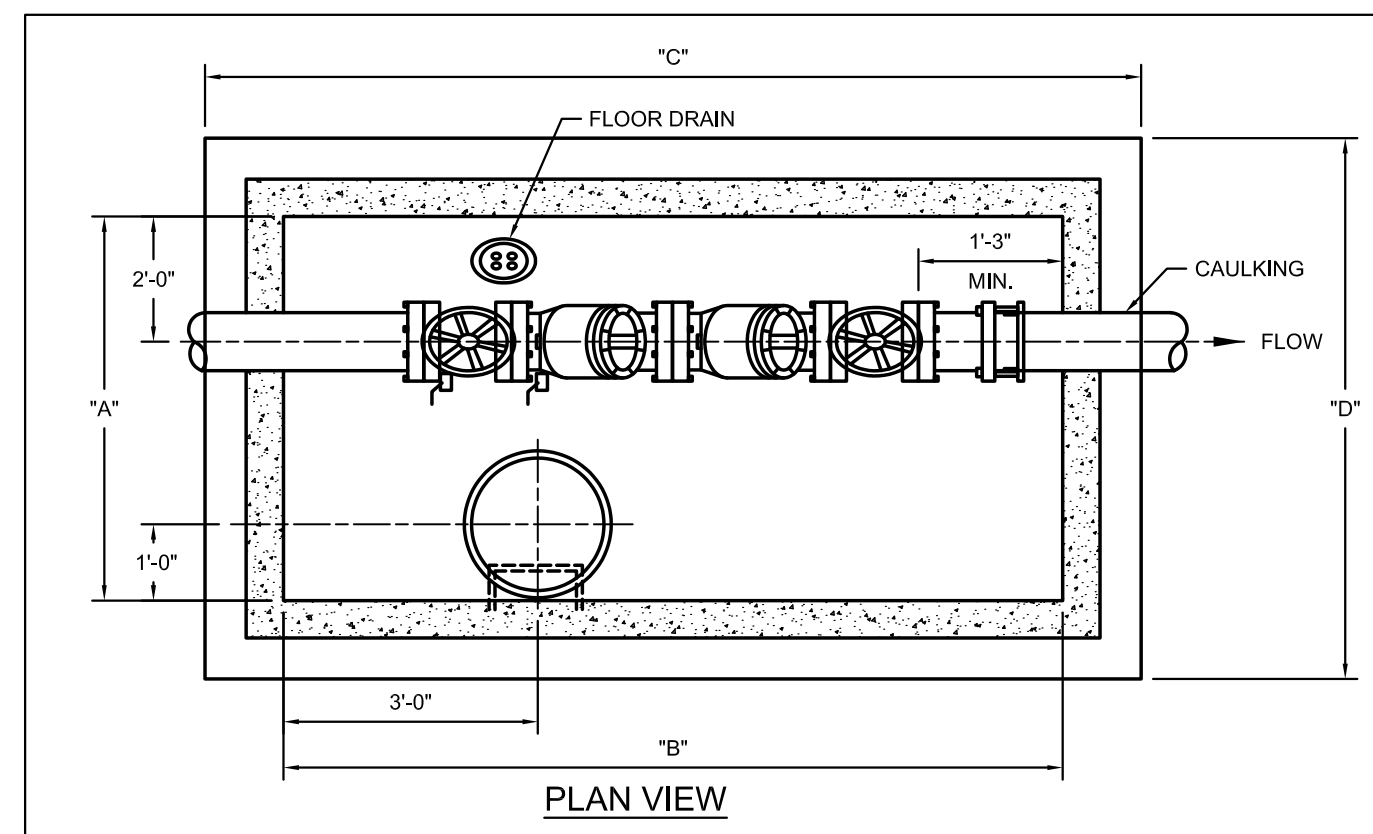
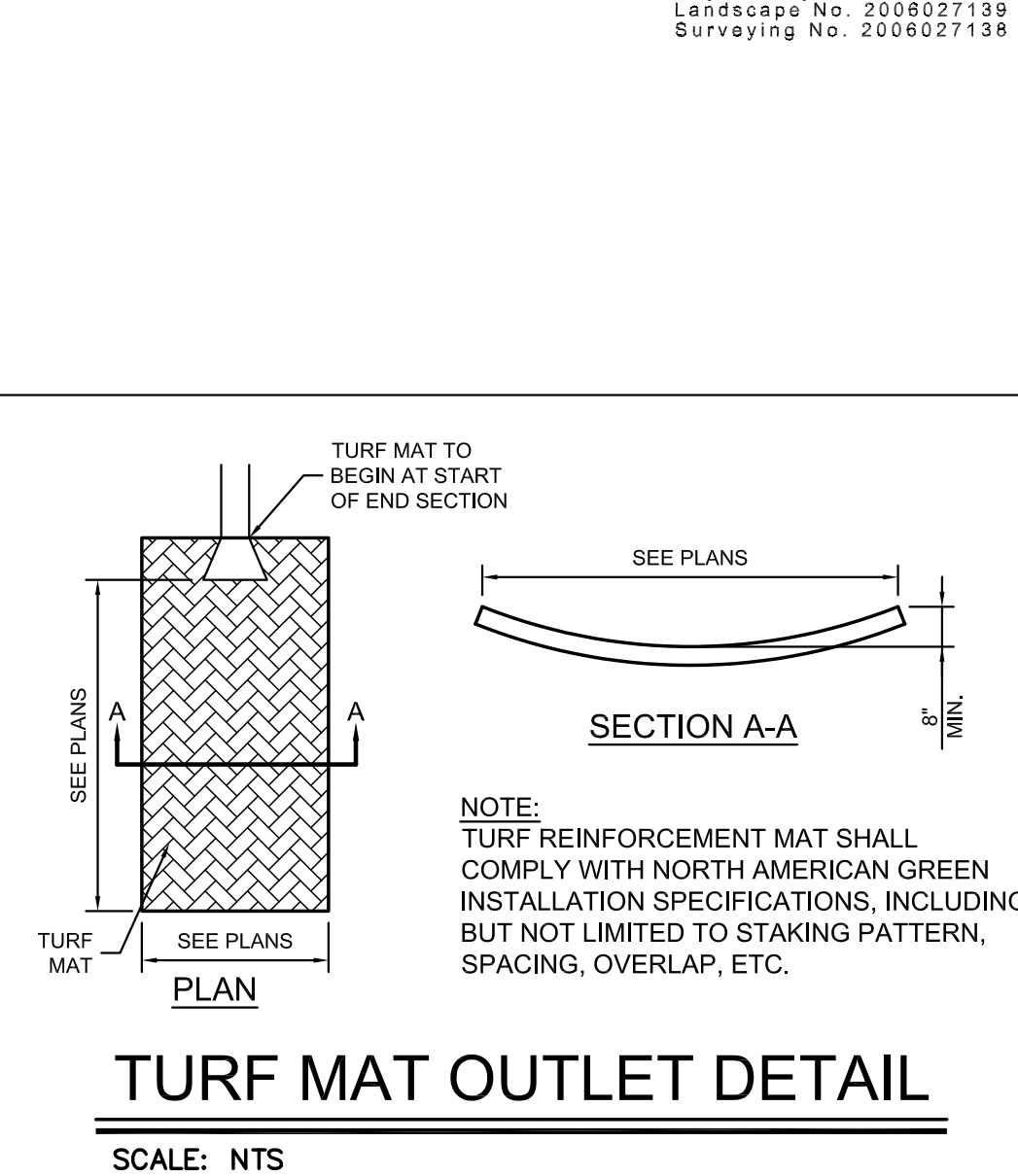
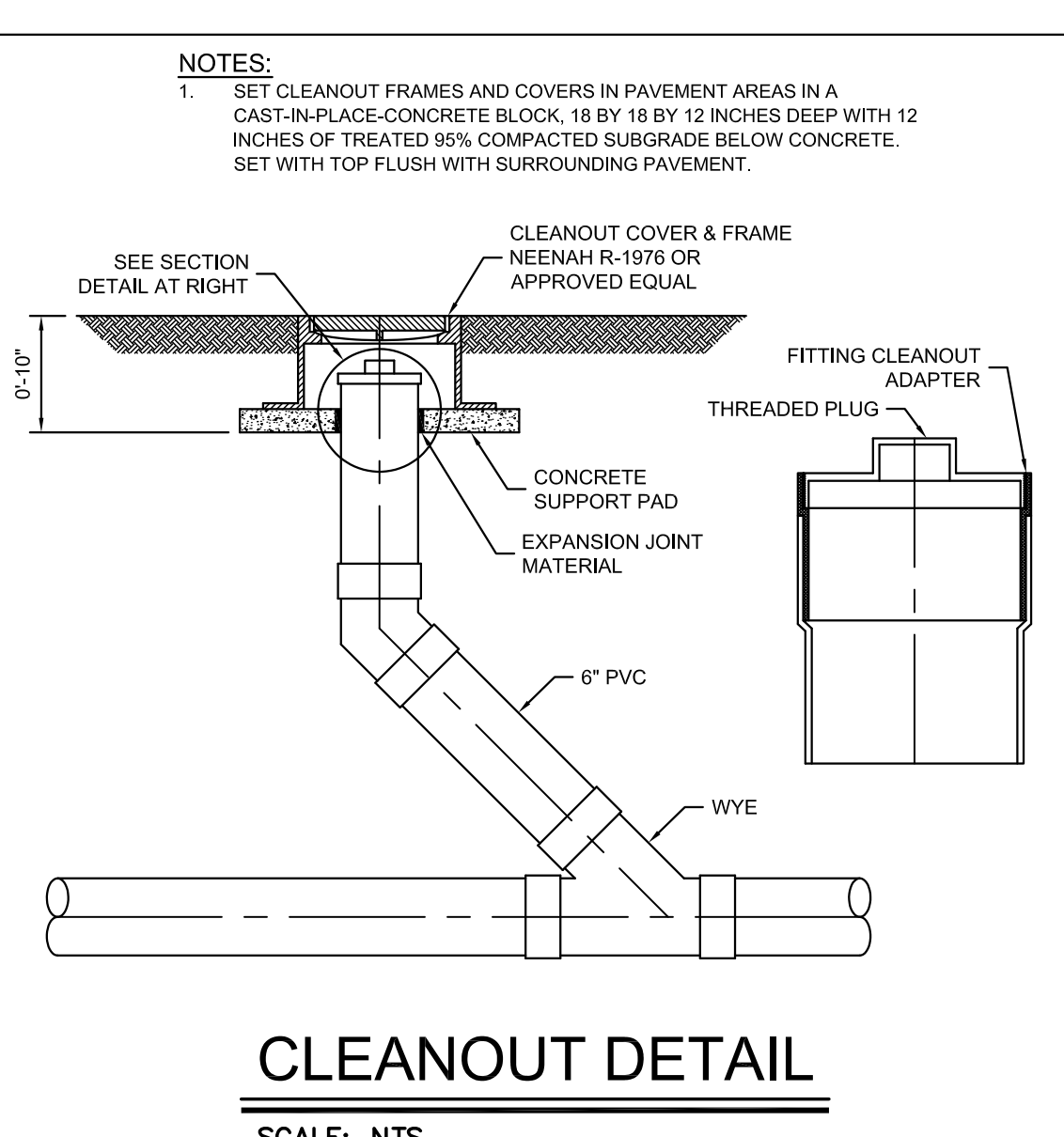
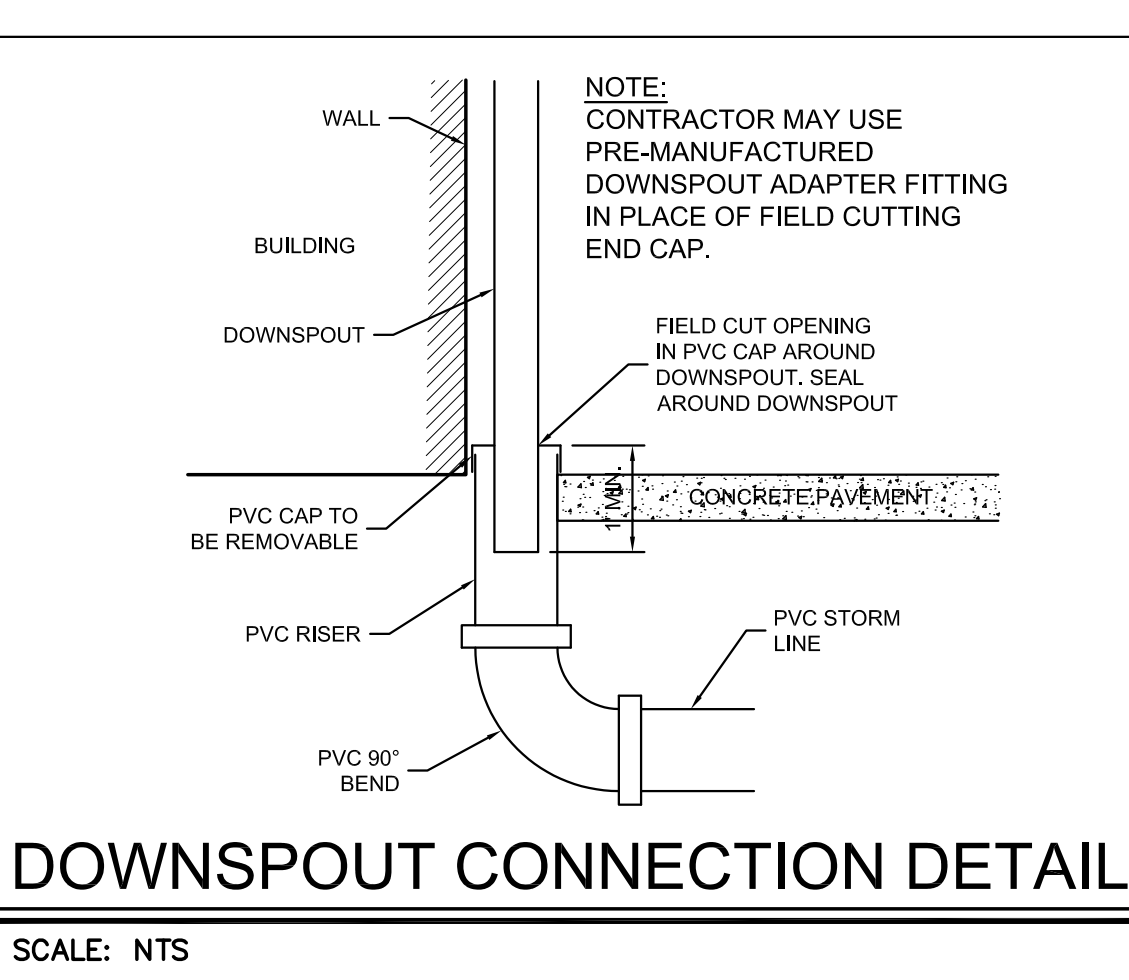
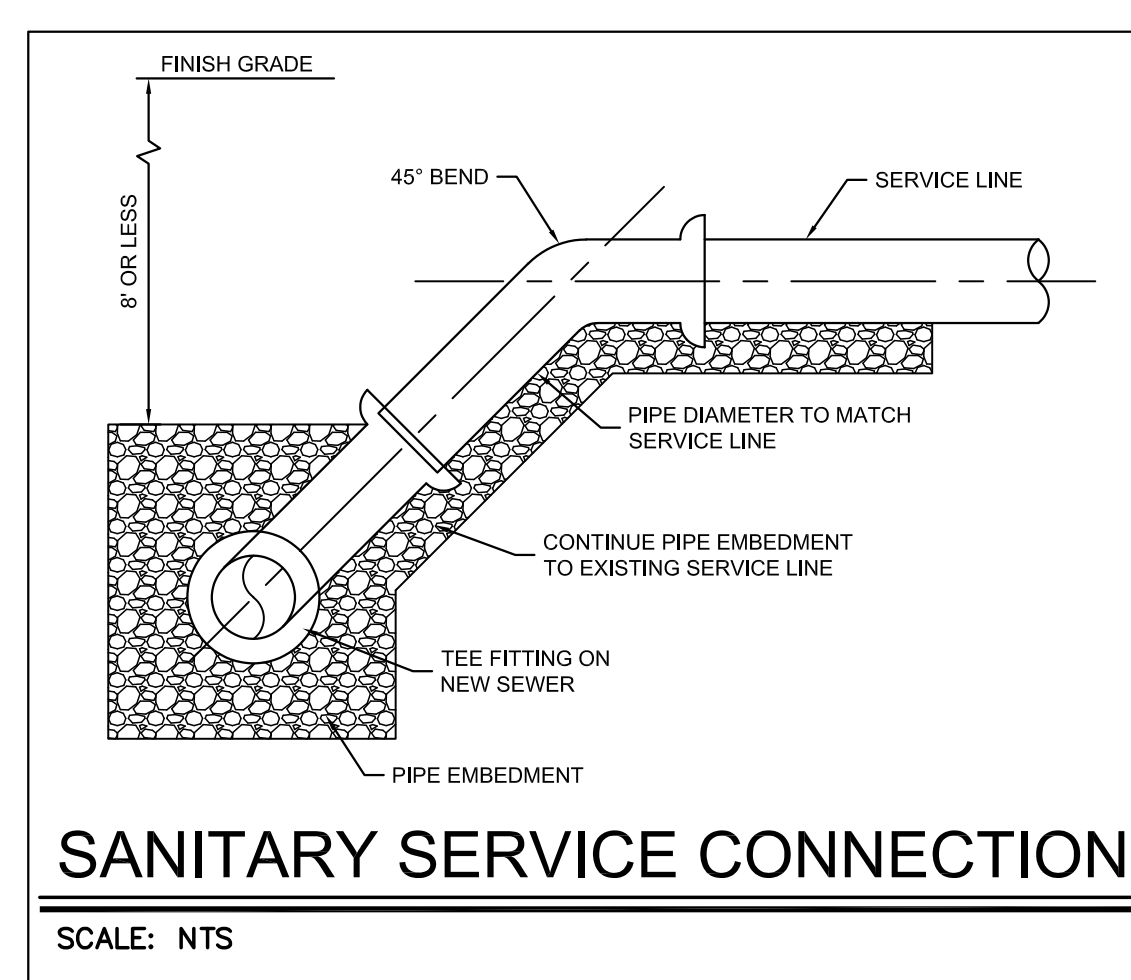
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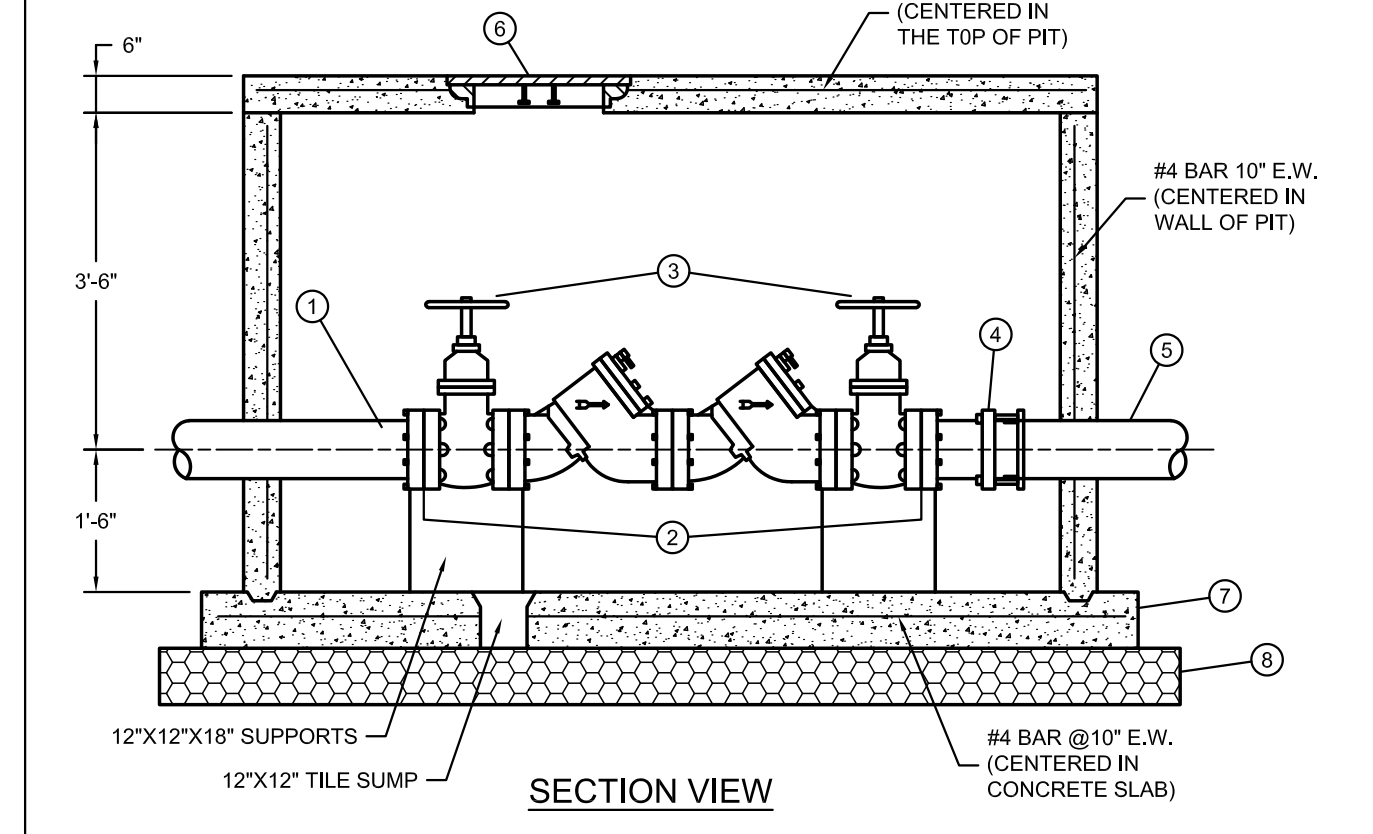
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C201
 AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
 KANSAS CITY METROPOLITAN CHAPTER
 CURB DETAILS
 STANDARD DRAWING NUMBER C-1
 ADOPTED: MAY 23, 2001

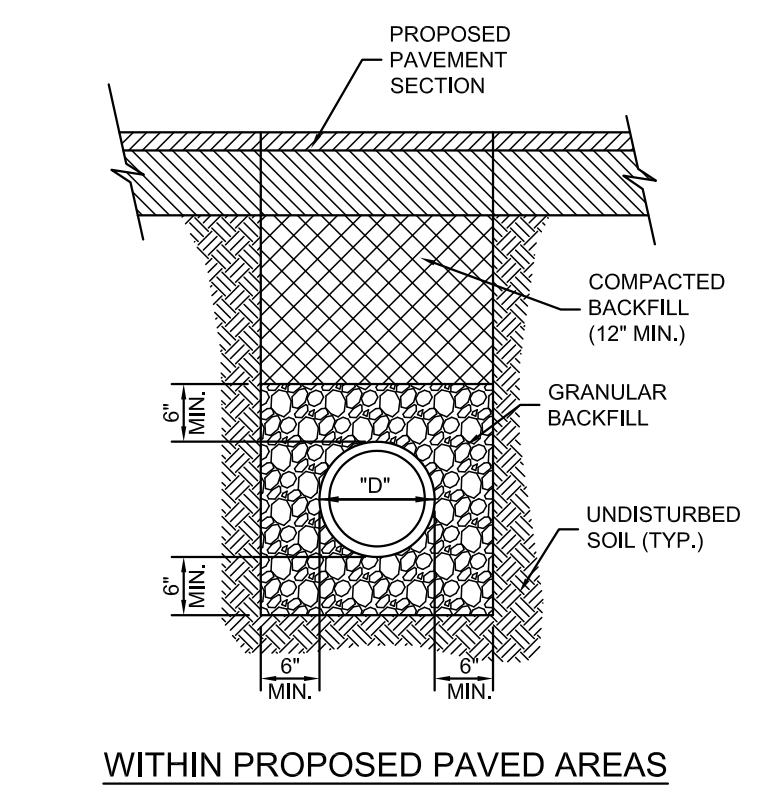
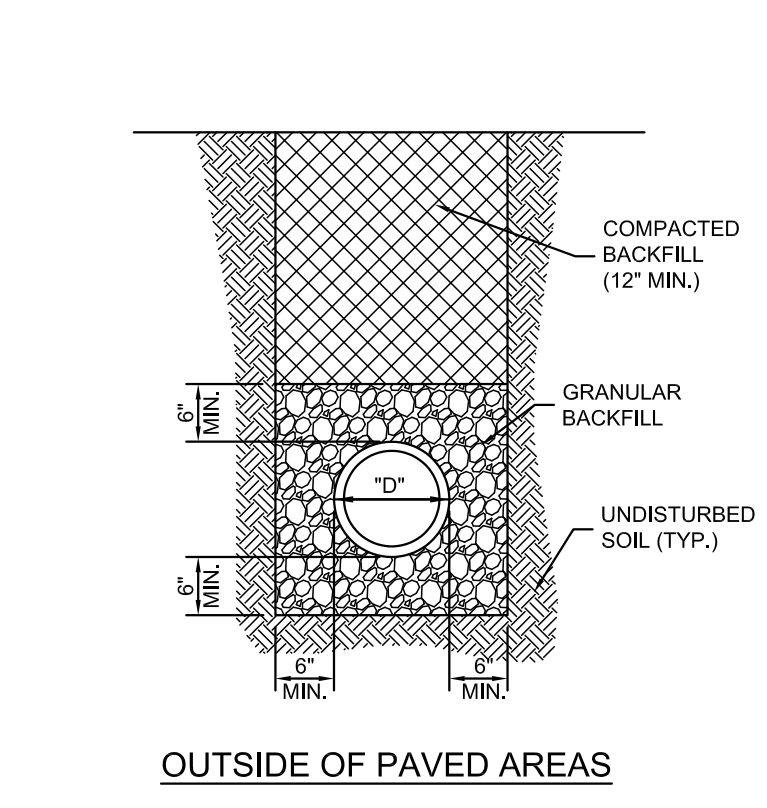
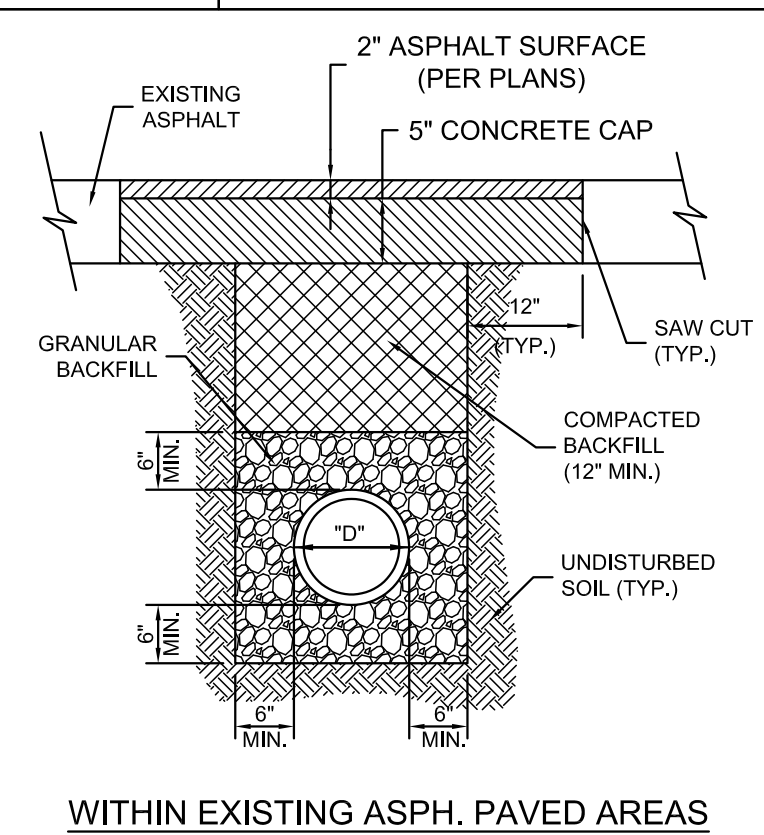
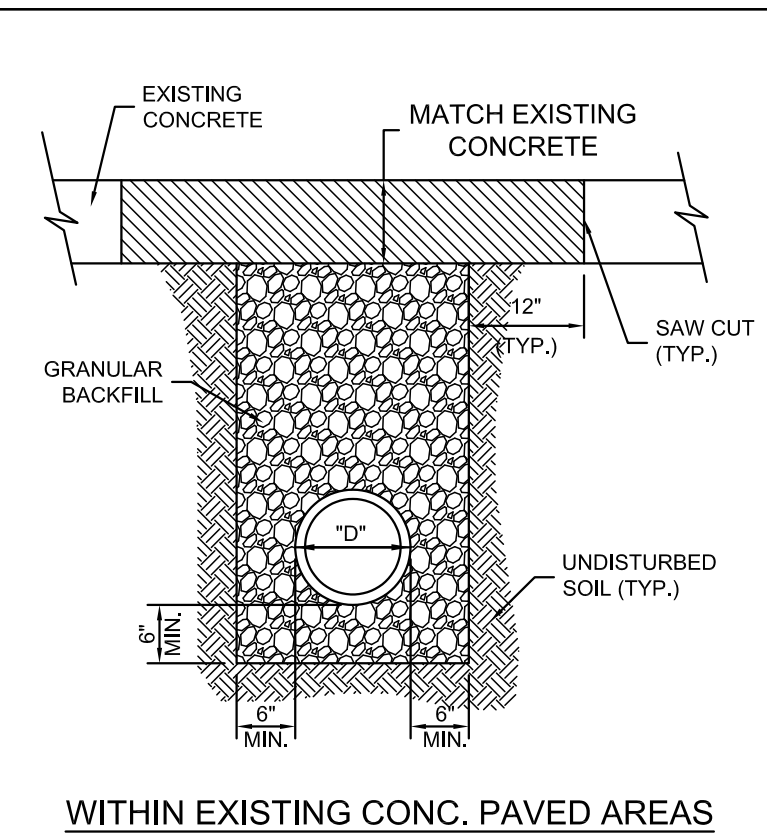
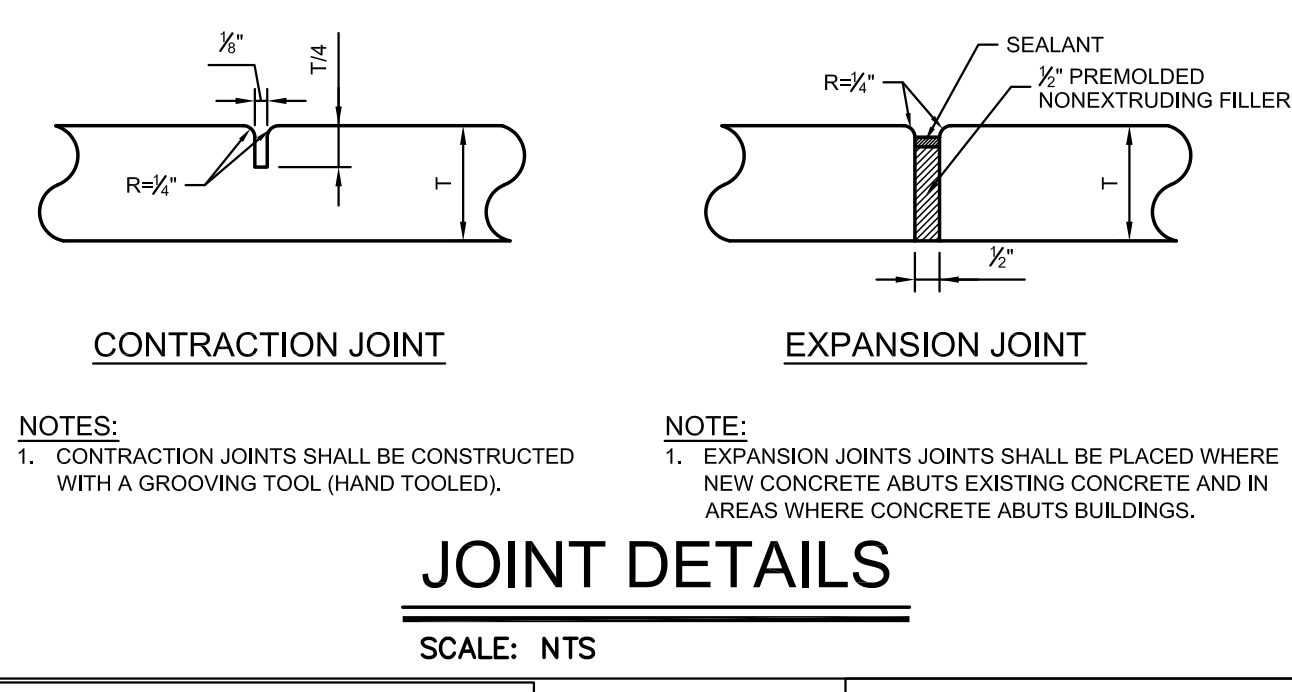
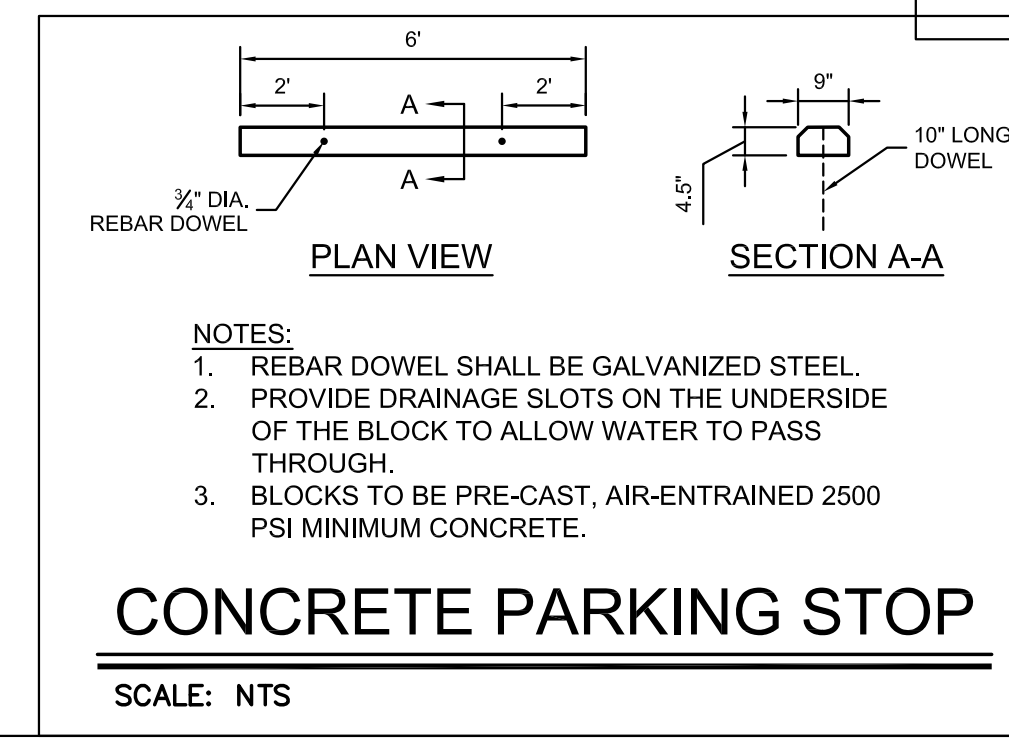
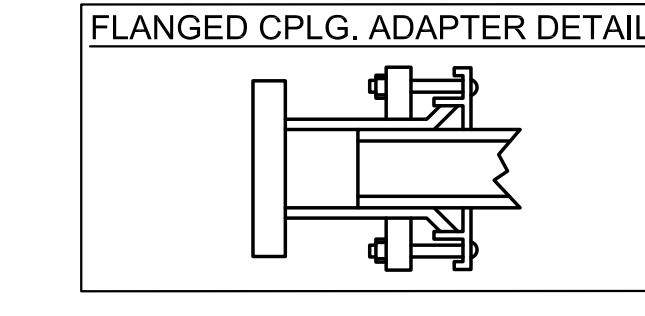


- NOTES:**
- ALL BACKFLOW ASSEMBLIES SHALL BE INSTALLED HORIZONTALLY.
 - ALL FERROUS-BODIED BACKFLOW ASSEMBLIES SHALL BE FITTED WITH REPLACEABLE VALVE SEATS.
 - AG-3, CA-5 OR GRAVEL WILL NOT BE ALLOWED AS BACK FILL MATERIAL AROUND WATER SERVICE.
- LEGEND:**
- PIPE SPOOL (FLANGED DUCTILE IRON PIPE).
 - APPROVED DOUBLE CHECK VALVE ASSEMBLY WITH 4 TEST COCKS (SHALL BE FITTED WITH BRASS PLUGS).
 - RESILIENT SEATED WHEEL VALVE GATE.
 - ROCKWELL 913 STEEL FLANGED COUPLING ADAPTER OR AN APPROVED EQUAL.
 - PLAIN END DUCTILE IRON PIPE (ALLOW 1" GAP AT FLANGE TO ALLOW FOR REMOVAL OF ASSEMBLY).
 - 24" CLAY-BAILEY LID & COVER #2213
 - SEE SCHEDULE FOR 6" REINFORCED CONCRETE SLAB.
 - 12" OF 1/2" OR 3/4" CRUSHED ROCK.

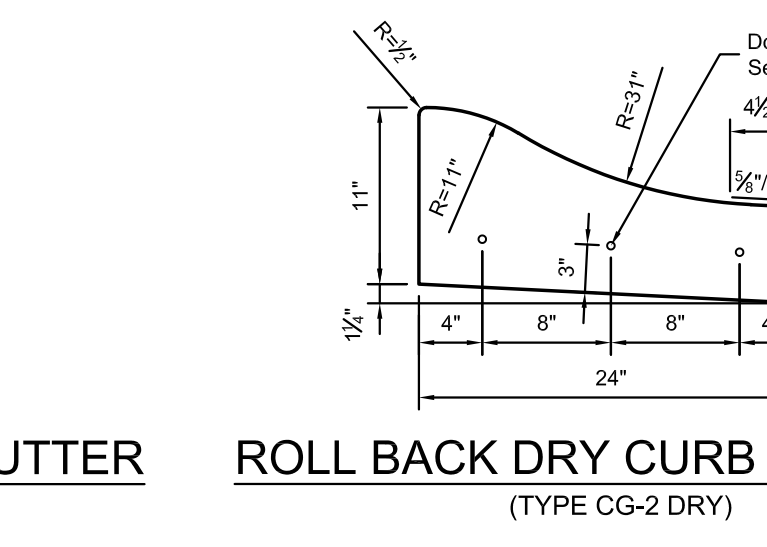
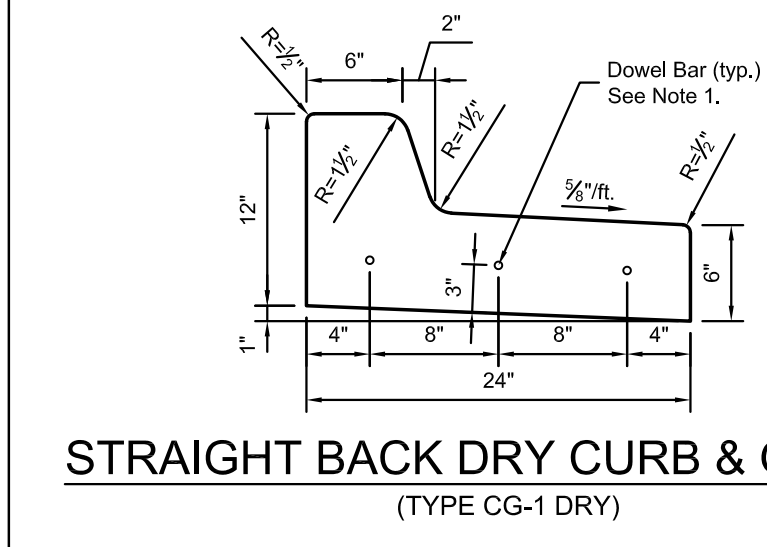
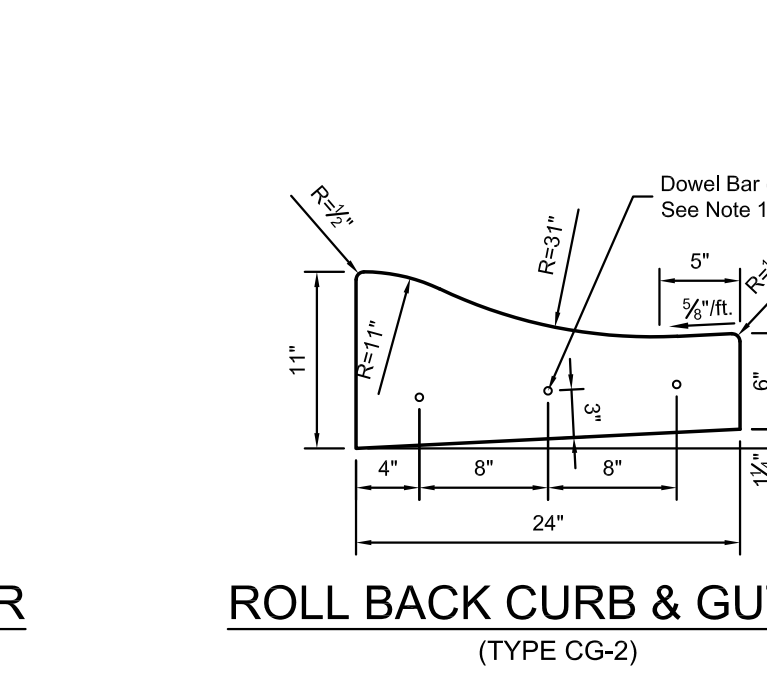
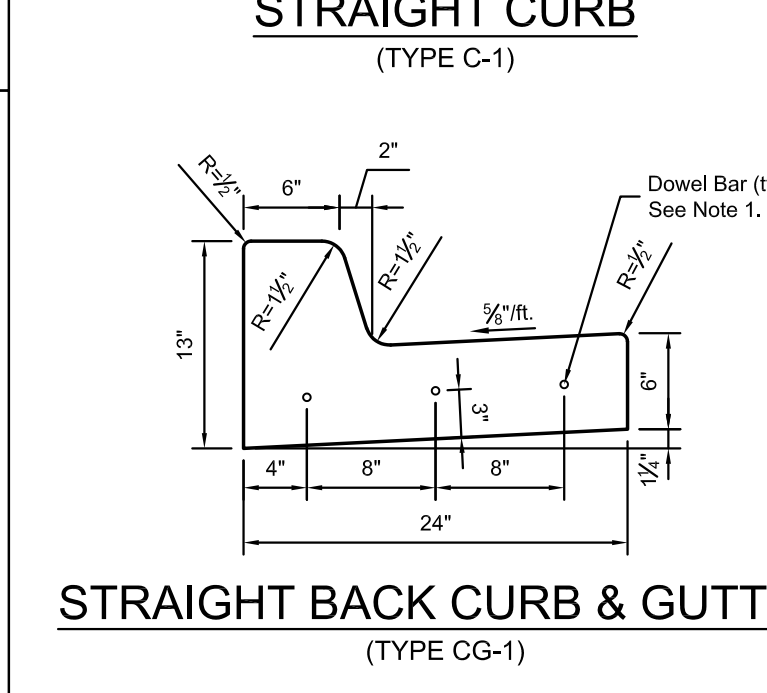
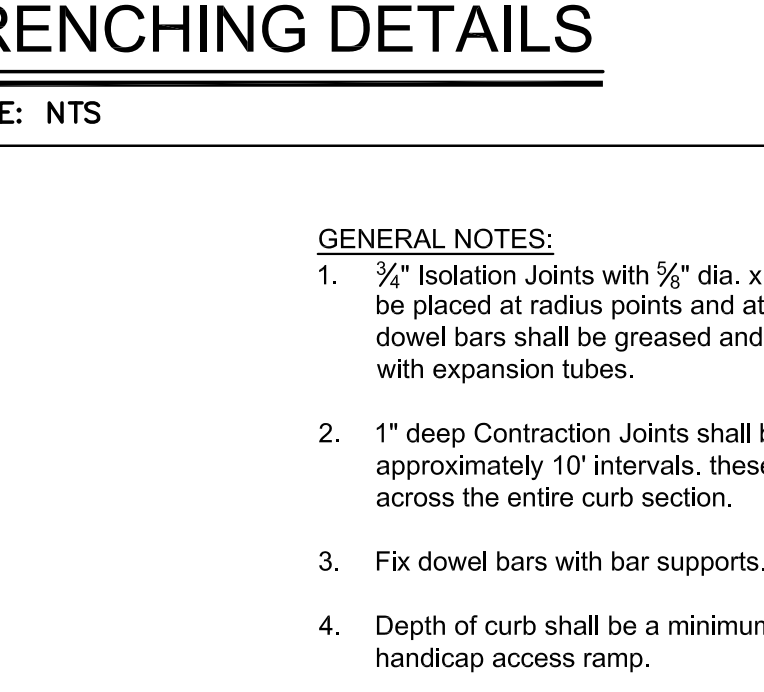
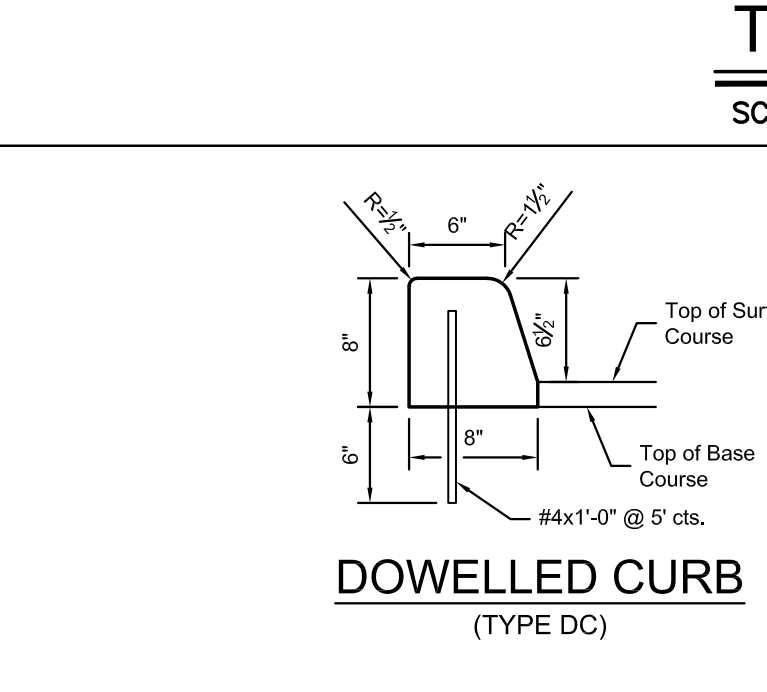
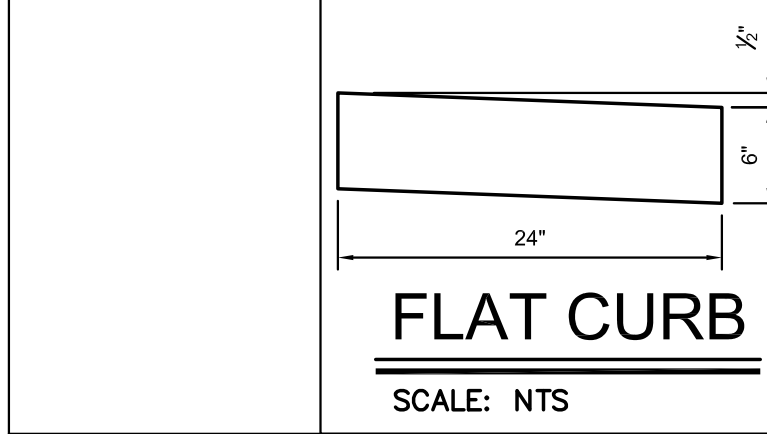
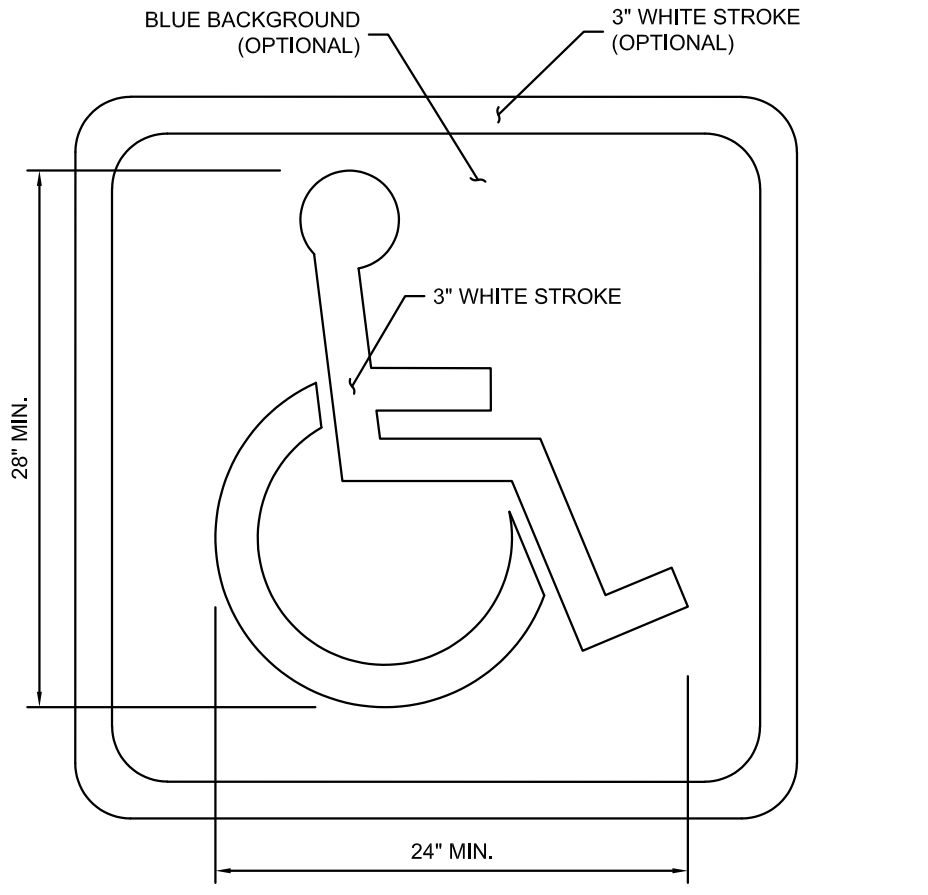


6", 8", 10" DOUBLE CHECK VALVE DETAIL
 SCALE: NTS

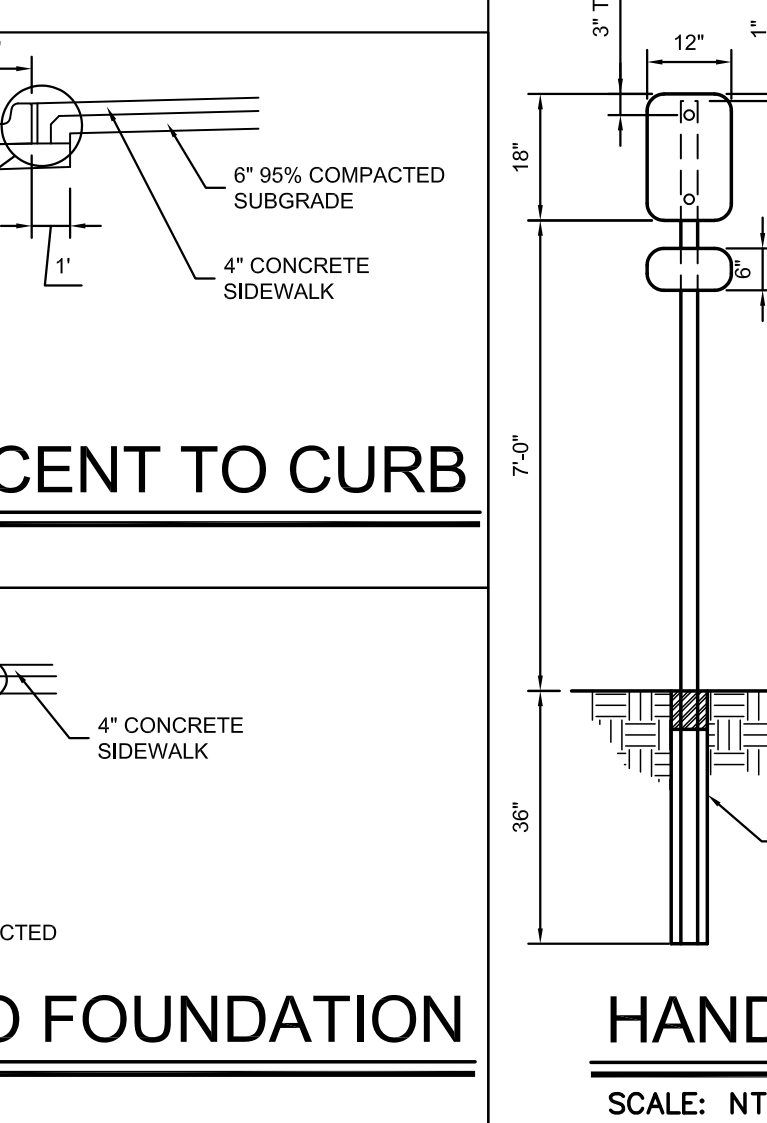
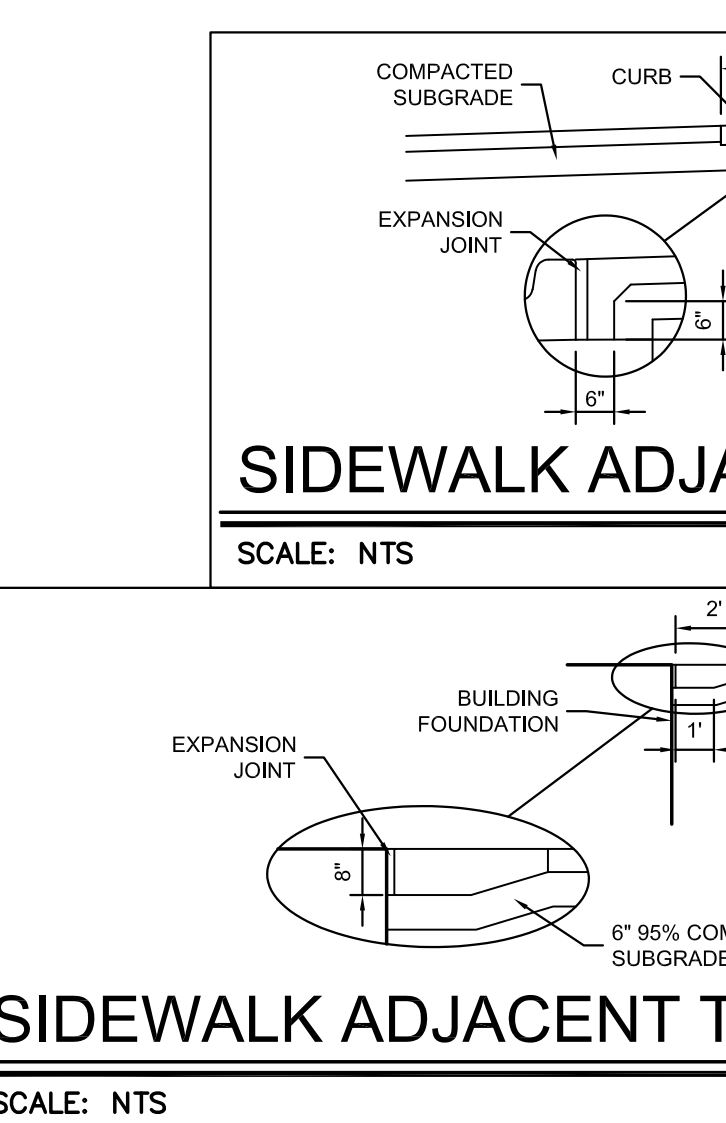
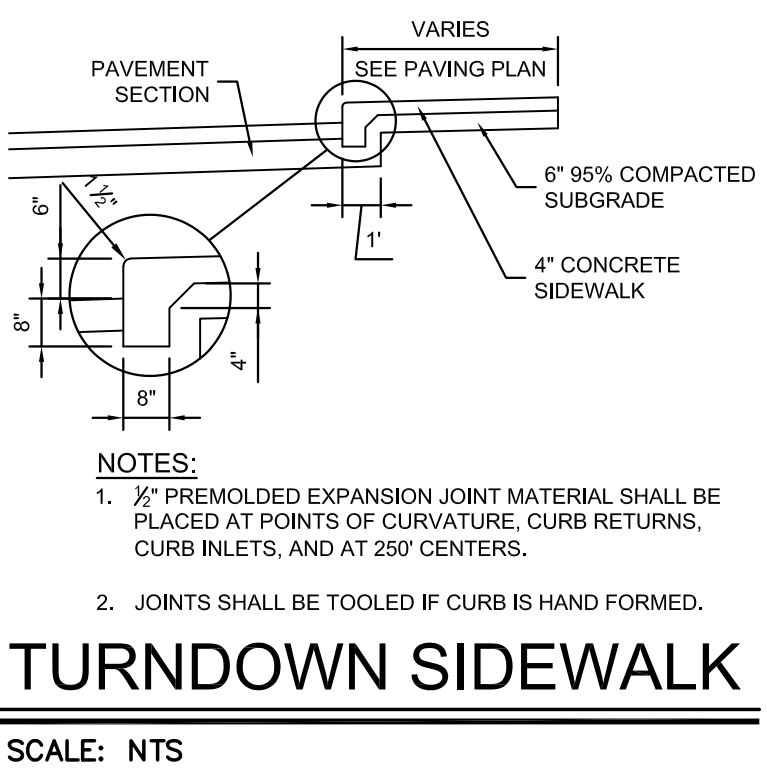
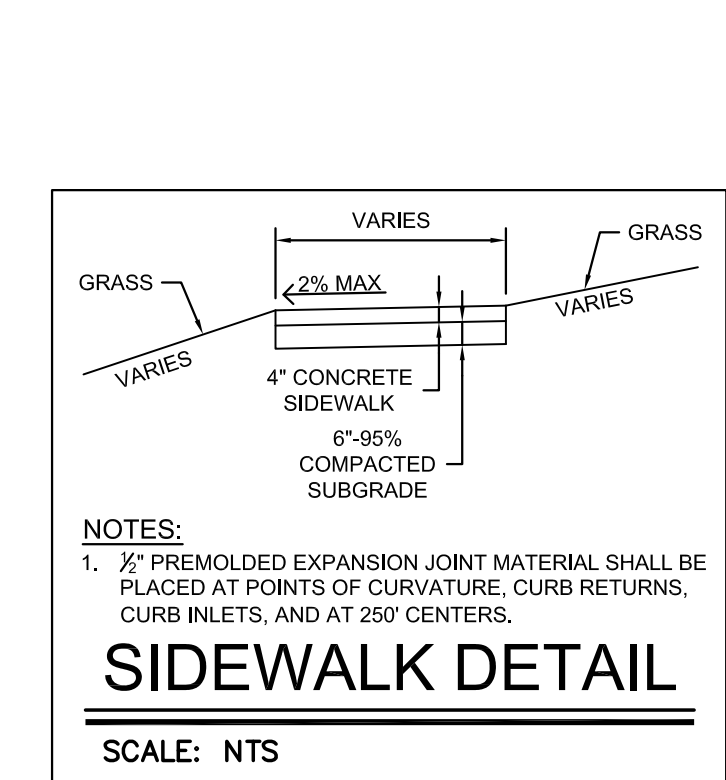
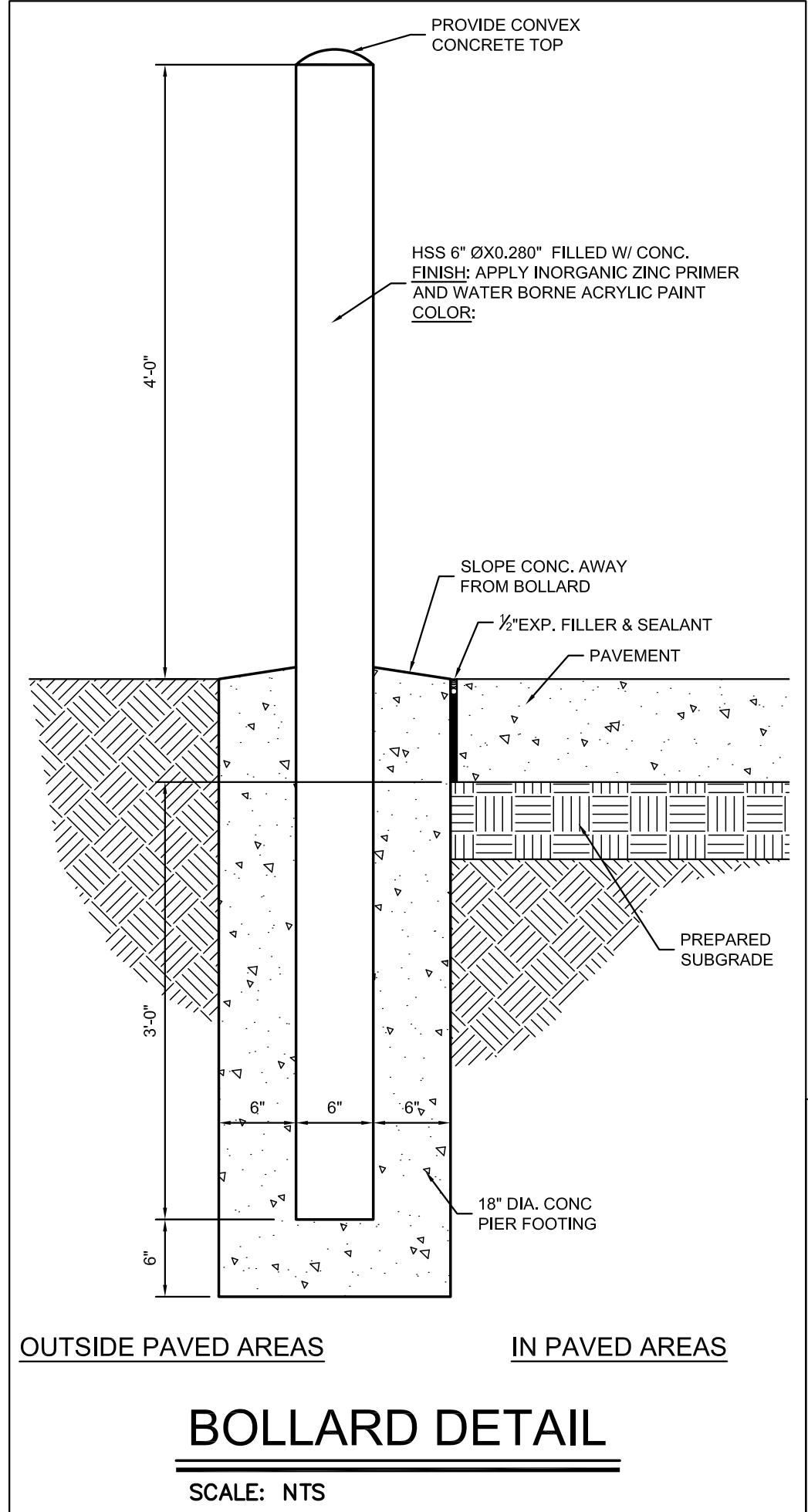
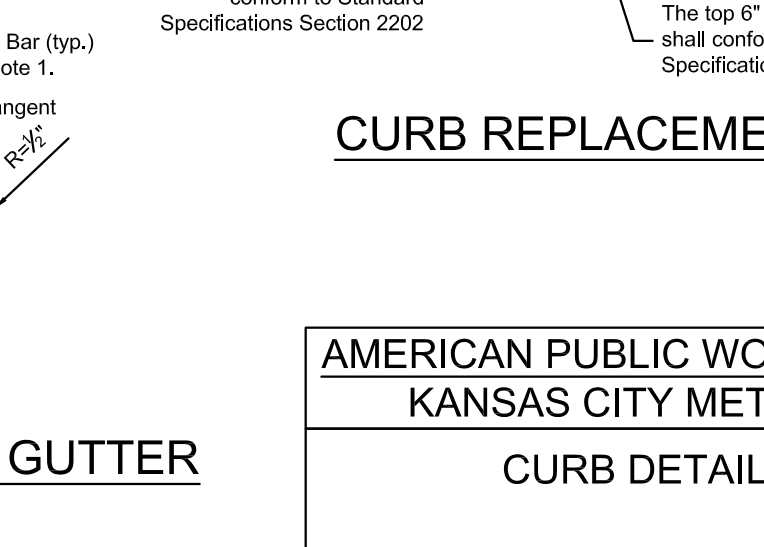
PIPE SIZE	INTERIOR PIT CLEARANCE				6" CONCRETE SLAB
	"A"	"B"	"C"	"D"	
6"	4'-0"	7'-6 1/2"	9'-9"	6'-0"	
8"	4'-3"	8'-9"	10'-9"	6'-3"	
10"	4'-6"	10'-0"	12'-0"	6'-6"	



- NOTES:**
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - GRANULAR FILL SHALL BE 1/2" CLEAN ROCK, PLACED IN 6" LIFTS AND COMPACTED BY SLICING WITH A SHOVEL.
 - FILL SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND STONES, AND COMPACTED.
 - BACKFILL TO BE COMPACTED TO 90% OF STANDARD DENSITY OUTSIDE OF PAVED AREAS.



- GENERAL NOTES:**
- 1/2" Isolation Joints with 5/8" dia. x 2' smooth dowels shall be placed at radius points and at 150' intervals. These dowel bars shall be greased and wrapped on one end with expansion tubes.
 - 1" deep Contraction Joints shall be installed at approximately 10' intervals. These joints shall pass across the entire curb section.
 - Fix dowel bars with bar supports.
 - Depth of curb shall be a minimum of 6" through the handicap access ramp.
 - Concrete shall conform to Standard Specifications Section 2208.2.B.
 - Asphaltic concrete surface course shall conform to Standard Specification Section 2205.2.



- SIGN NOTES:**
- ABOVE GRADE SECTION OF SIGN POST SHALL BE 1-3/4" TUBE SECTION (14 GAUGE WALL THICKNESS) AND THE BURIED SECTION SHALL BE 2" TUBE SECTION (12 GAUGE WALL THICKNESS).
 - ALL HARDWARE SHALL BE ZINC PLATED.
 - ALL BOLTS, NUTS, WASHERS, ETC. SHALL COMPLY WITH CURRENT STATE DOT STANDARDS.
 - FOR POST HOLE IN EXISTING PAVEMENT, CORE 4" DIAMETER HOLE THROUGH PAVEMENT AND INSTALL POST IN HOLE WITH NATIVE SOIL. PLACE 2" OF ASPHALT SURFACE MATERIAL AROUND POST AND COMPACT FLUSH WITH SURROUNDING PAVEMENT TO PROVIDE WATERTIGHT SEAL.
 - FOR POST HOLE IN PROPOSED PAVEMENT, PROVIDE A 4" PVC SLEEVE 36" LONG IN PAVEMENT FOR INSTALLATION OF SIGN POST. INSTALL POST IN HOLE WITH NATIVE SOIL AND PLACE 2" OF ASPHALT SURFACE MATERIAL AROUND POST AND COMPACT FLUSH WITH SURROUNDING PAVEMENT TO PROVIDE WATERTIGHT SEAL.

SEDIMENT FENCE

SEDIMENT FENCE NOTES:

A) INSTALLATION:

- THE HEIGHT OF SEDIMENT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34 INCHES ABOVE THE GROUND SURFACE.
- THE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SECURELY SPLICED TOGETHER ONLY AT SUPPORT POSTS, WITH A MAX 6-INCH OVERLAP.
- DIG A TRENCH AT LEAST 6 INCHES DEEP AND 4 INCHES WIDE ALONG THE FENCE ALIGNMENT.
- DRIVE POSTS AT LEAST 24 INCHES INTO THE GROUND ON THE DOWNSLOPE SIDE OF THE TRENCH. SPACE POSTS A MAXIMUM OF 6 FEET APART.
- EXTRA-STRENGTH SEDIMENT FABRIC SHALL BE USED. POST FOR THIS TYPE OF FABRIC SHALL BE PLACED A MAXIMUM OF 6 FEET APART. THE SEDIMENT FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING A MINIMUM OF ONE INCH LONG, HEAVE-DUTY WIRE STAPLES OR TIE-WIRES, AND EIGHT INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- PLACE THE BOTTOM 1 FOOT OF FABRIC IN THE MINIMUM-OF-6-INCH DEEP TRENCH, LAPPING TOWARD THE UPSLOPE SIDE. BACKFILL WITH COMPACTED EARTH OR GRAVEL.
- IF A SEDIMENT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, IT MUST BE OF SUFFICIENT LENGTH TO ELIMINATE ENDFLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE, PLACED ON A CONTOUR, WITH THE ENDS ORIENTED UPSLOPE. EXTRA-STRENGTH SEDIMENT FABRIC SHALL BE USED WITH A MAXIMUM 3-FOOT SPACING OF POSTS.
- TO REDUCE MAINTENANCE, EXCAVATE A SHALLOW SEDIMENT STORAGE AREA IN THE UPSLOPE SIDE OF THE FENCE. PROVIDE A GOOD ACCESS IN AREAS OF HEAVY SEDIMENTATION FOR CLEAN OUT AND MAINTENANCE.
- SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

B) TROUBLE SHOOTING:

- DETERMINE THE EXACT LOCATION OF UNDERGROUND UTILITIES, BEFORE FENCE INSTALLATION SO UTILITIES ARE NOT DISTURBED.
- GRADE ALIGNMENT OF FENCE AS NEEDED TO PROVIDE A BROAD, NEARLY LEVEL AREA UPSTREAM OF FENCE TO ALLOW SEDIMENT COLLECTION AREA.

C) INSPECTION AND MAINTENANCE:

- INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE NAY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. AVOID DAMAGING OR UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT ACCUMULATION SHOULD NOT EXCEED 1/2 THE HEIGHT OF THE FENCE.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY AND COMPLETELY STABILIZED.

SHEET FLOW INSTALLATION (PERSPECTIVE VIEW)
NOT TO SCALE

DRAINAGEWAY INSTALLATION (FRONT ELEVATION)
NOT TO SCALE

**AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
KANSAS CITY METROPOLITAN CHAPTER**

SEDIMENT FENCE

STANDARD DRAWING NUMBER: ESC - 10
 ADOPTED: 04/22/03

SEDIMENT FENCE INSTALLATION SLICING METHOD NOTES:

A. CONSTRUCTION SPECIFICATIONS:

- SEDIMENT FENCE SHALL CONFORM TO THE CONSTRUCTION SPECIFICATIONS FOR EXTRA STRENGTH FOUND IN THE TABLE BELOW AND SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS.

PHYSICAL PROPERTY	TEST	REQUIREMENTS
FILTERING EFFICIENCY	ASTM 5141	75%
TENSILE STRENGTH AT 20% (MAX.) ELONGATION*	ASTM 4632 AASHTO M288-96	EXTRA STRENGTH - 50 LBS./LINEAR INCH
FLOW RATE	ASTM 5141	0.2 GAL./SQ.FT./MINUTE**
ULTRAVIOLET RADIATION STABILITY %	ASTM D 4355	90%

* REQUIREMENTS REDUCED BY 50% AFTER SIX MONTHS OF INSTALLATION.
 ** HIGH POROSITY FABRIC MAY BE BETTER SUITED FOR THIS DEVICE.

- FOR STAKES, USE 2X4 WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM LENGTH OF 4 FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP.
- TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2X4 WOOD STRIPES AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.
- PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH 12-INCHES OF COMPACTED SOIL.
- FASTEN FABRIC SECURELY BY STAPLES, OR WIRE IT TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
- IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWNSLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

B. INSPECTION AND MAINTENANCE:

- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT OF 1/2 INCH OR GREATER AND REPAIRS MADE AS NEEDED.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

PHYSICAL PROPERTIES OF FABRIC IN SEDIMENT FENCE:

PERSPECTIVE VIEWS
NOT TO SCALE

ELEVATION OF STAKE AND FABRIC ORIENTATION

DETAIL A
NOT TO SCALE

**AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
KANSAS CITY METROPOLITAN CHAPTER**

SEDIMENT FENCE DROP INLET PROTECTION

STANDARD DRAWING NUMBER: ESC - 19
 ADOPTED: 04/23/03

Notes:

- Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2" x 6" board wrapped in silt fence. Until the tops are installed, structures with open tops shall have erosion control measures in place on all four sides to prevent sediment from entering the structure.
- Contractor to clean out sediment after each significant rainfall. Sediment removal shall not involve washing materials into inlet.
- The filter bag shall be replaced before bag material become degraded. Any gravel deposited into the inlet shall be promptly removed.

Sump Inlet Sediment Filter

In Grade Curb Inlet Protection

CURB INLET SEDIMENT FILTER
SCALE: NTS

TRENCHING DETAILS
SCALE: NTS

TURF MAT OUTLET DETAIL
SCALE: NTS

CLEANOUT DETAIL
SCALE: NTS

NOTES:

- SET CLEANOUT FRAMES AND COVERS IN PAVEMENT AREAS IN A CAST-IN-PLACE CONCRETE BLOCK, 18 BY 18 BY 12 INCHES DEEP WITH 12 INCHES OF TREATED 90% COMPACTED SURGRADE BELOW CONCRETE. SET WITH TOP FLUSH WITH SURROUNDING PAVEMENT.

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
- GRANULAR FILL SHALL BE 1/2" CLEAN ROCK, PLACED IN 6" LIFTS AND COMPACTED BY SLICING WITH A SHOVEL.
- FILL SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND STONES, AND COMPACTED.
- BACKFILL TO BE COMPACTED TO 90% OF STANDARD DENSITY OUTSIDE OF PAVED AREAS.

NOTES:

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- BACKFILL TO BE COMPACTED TO 90% OF STANDARD DENSITY OUTSIDE OF PAVED AREAS.

WITHIN EXISTING CONC. PAVED AREAS

WITHIN EXISTING ASPH. PAVED AREAS

OUTSIDE OF PAVED AREAS

WITHIN PROPOSED PAVED AREAS

CONSTRUCTION DOCUMENTS

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

REVISIONS:

#	Description	Date



Gregory W. Nelson
 Lic# 2011013101

JOB NO: 17048
 DRAWN BY: JLB
 CHECKED BY: GWN
 DATE: 03.08.2019

C202

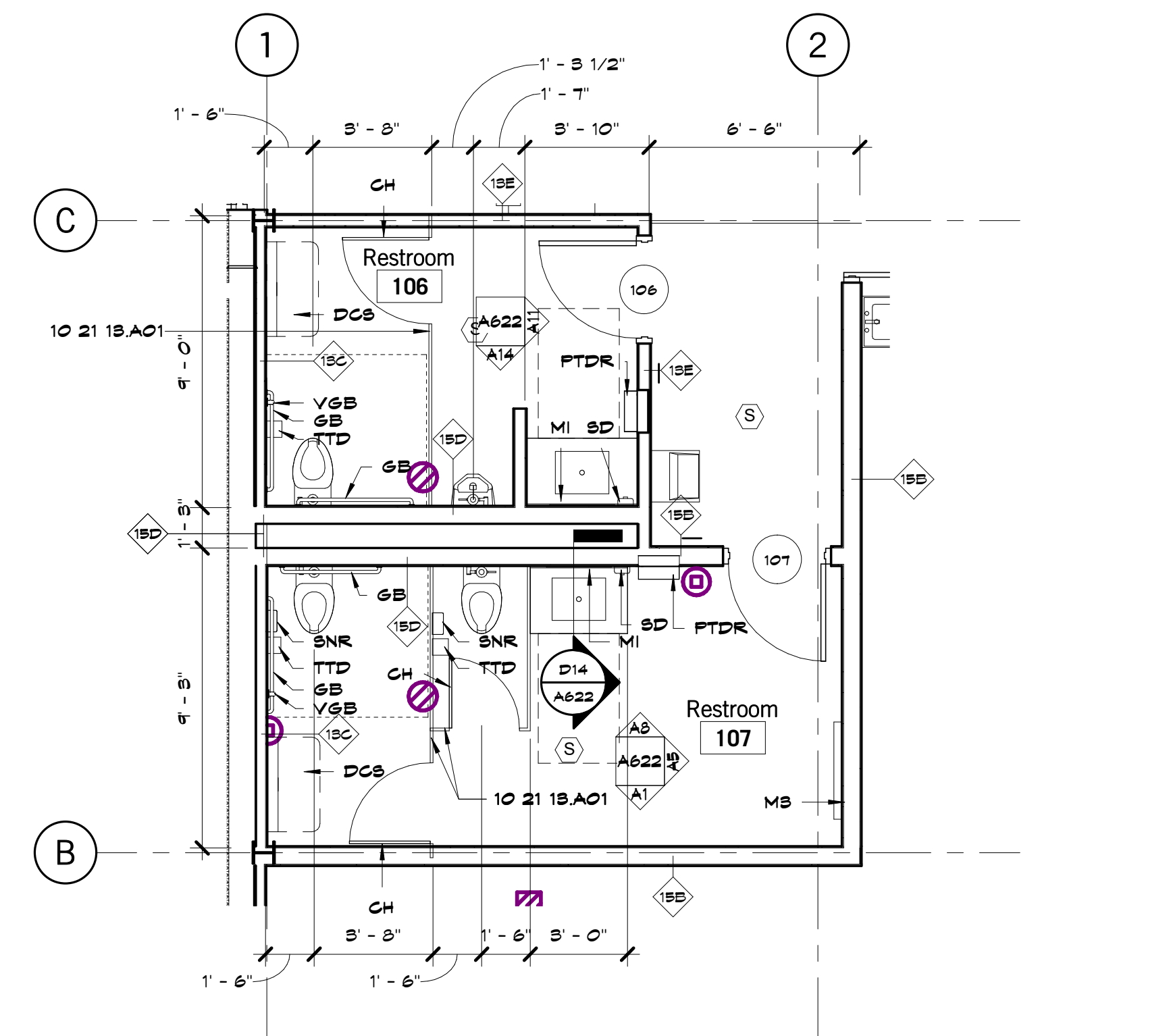
TOILET, BATH AND LAUNDRY ACCESSORY LEGEND

TAG	ACCESSORY	KEYNOTE	RESPONSIBILITY
TTD	TOILET TISSUE DISPENSER	10 28 00 A01	CFGI
TTD	TOILET TISSUE DISPENSER	10 28 00 A01	CFGI
TTD	TOILET TISSUE DISPENSER	10 28 00 A01	CFGI
TTD	TOILET TISSUE DISPENSER	10 28 00 A01	CFGI
FTDR	COMBINATION TOWEL DISPENSER / WASTE RECEPTACLE	10 28 00 A04	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
GB	GRAB BARS	10 28 00 A06	CFGI
VGB	VERTICAL GRAB BAR	10 28 00 A06	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
SNR	SANITARY NAPKIN RECEPTOR	10 28 00 A08	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
MI	MIRROR - SINGLE	10 28 00 A10	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
MB	MIRROR - FULL HEIGHT	10 28 00 A10	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
GH	GOAT HOOK	10 28 00 A15	CFGI
TS	TOWEL STRIP	10 28 00 A16	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
DCB	DIAPER CHANGING STATION	10 28 00 A20	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
SD	SOAP DISPENSER	10 28 00 A05	CFGI
MBH	MOP AND BROOM HOLDER	10 28 00 A25	CFGI

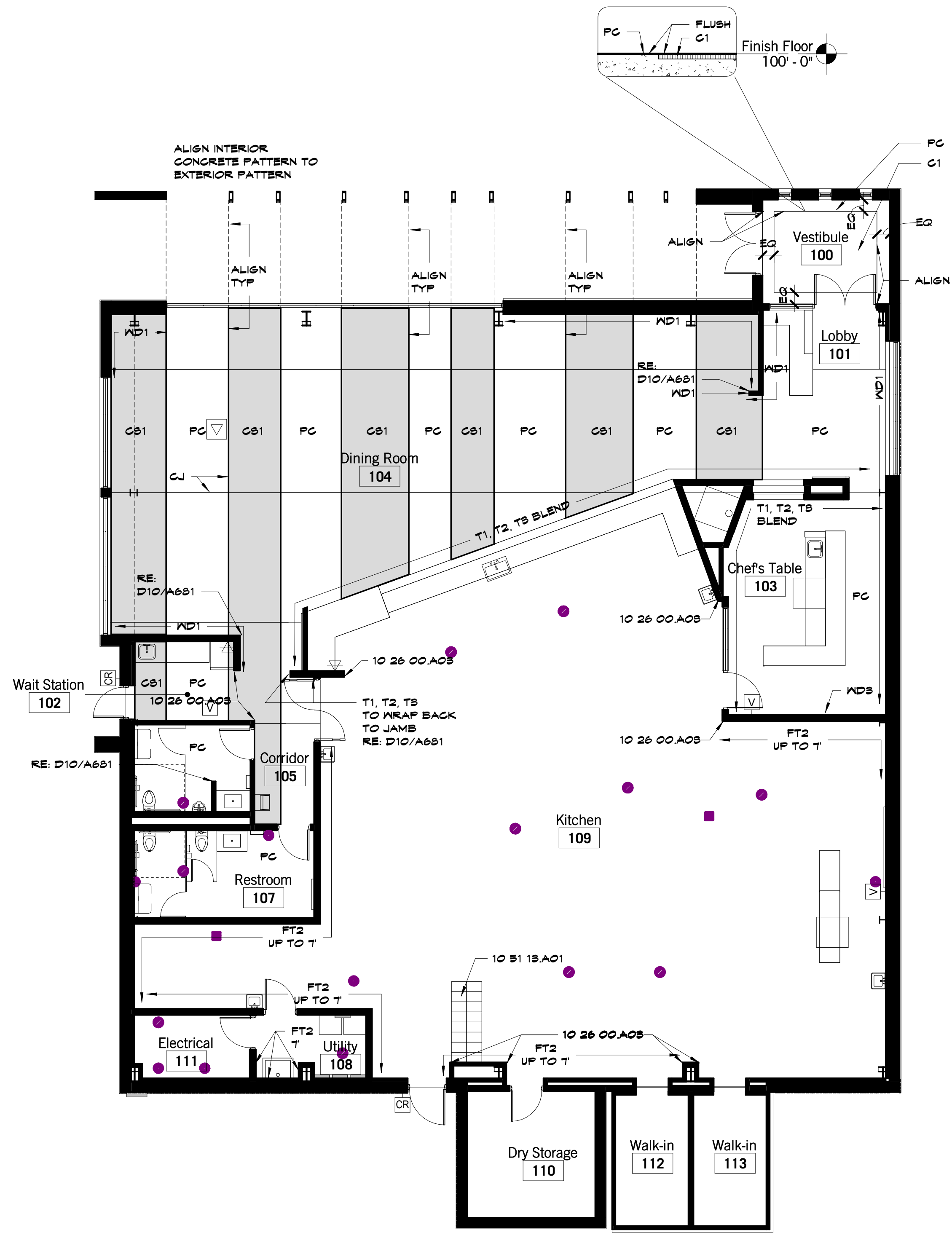
NOTES: TAGS ABOVE WITH A "C" PREFIX (E.G. GB) DENOTE CHILD MOUNTING HEIGHTS
 CF = CONTRACTOR FURNISH
 CI = CONTRACTOR INSTALL
 OI = OWNER FURNISH
 OI = OWNER INSTALL

SHEET KEYNOTE LEGEND

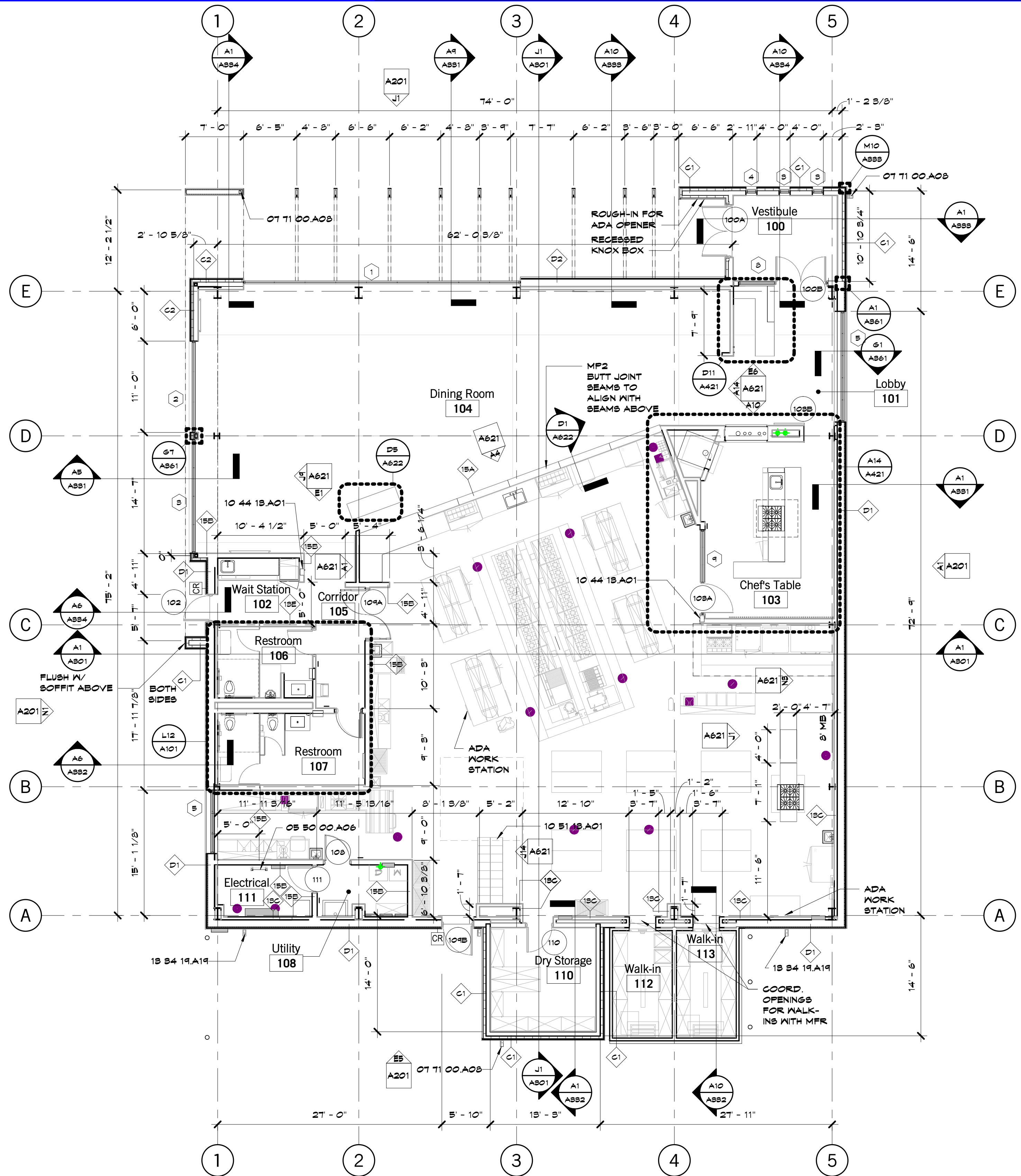
05 50 00 A06	METAL LADDER
01 11 00 A09	DOWNSPOUTS
10 21 18 A01	TOILET COMPARTMENTS
10 26 00 A03	CORNER GUARDS
10 44 18 A01	FIRE EXTINGUISHER CABINET
10 51 18 A01	KNOCKED-DOWN CORRIDOR LOCKERS
18 54 14 A14	DOWNSPOUTS



L12 Scale 1/4" = 1'-0" Enlarged Toilet Plan



A1 Scale 1/8" = 1'-0" Finish Floor Plan



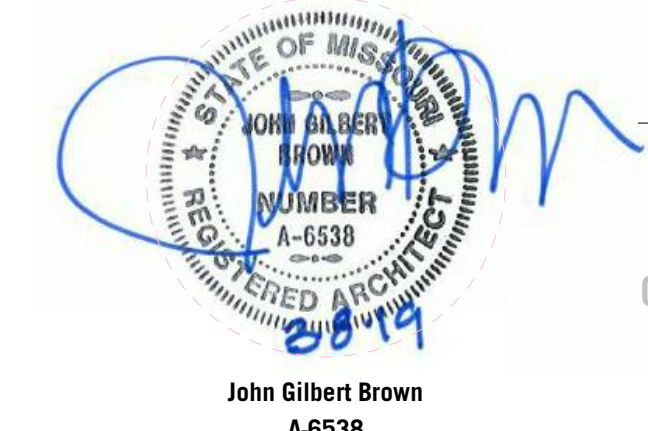
A9 Scale 1/8" = 1'-0" Floor Plan

ARCHITECTURAL SHEET NOTES

- DO NOT SCALE THIS DRAWING
- DIMENSIONS ARE TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - a. TO FACE OF STUD
 - b. TO FACE OF MASONRY UNIT
 - c. TO FACE OF ROUGH OPENING AT DOOR AND WINDOW JAMBS

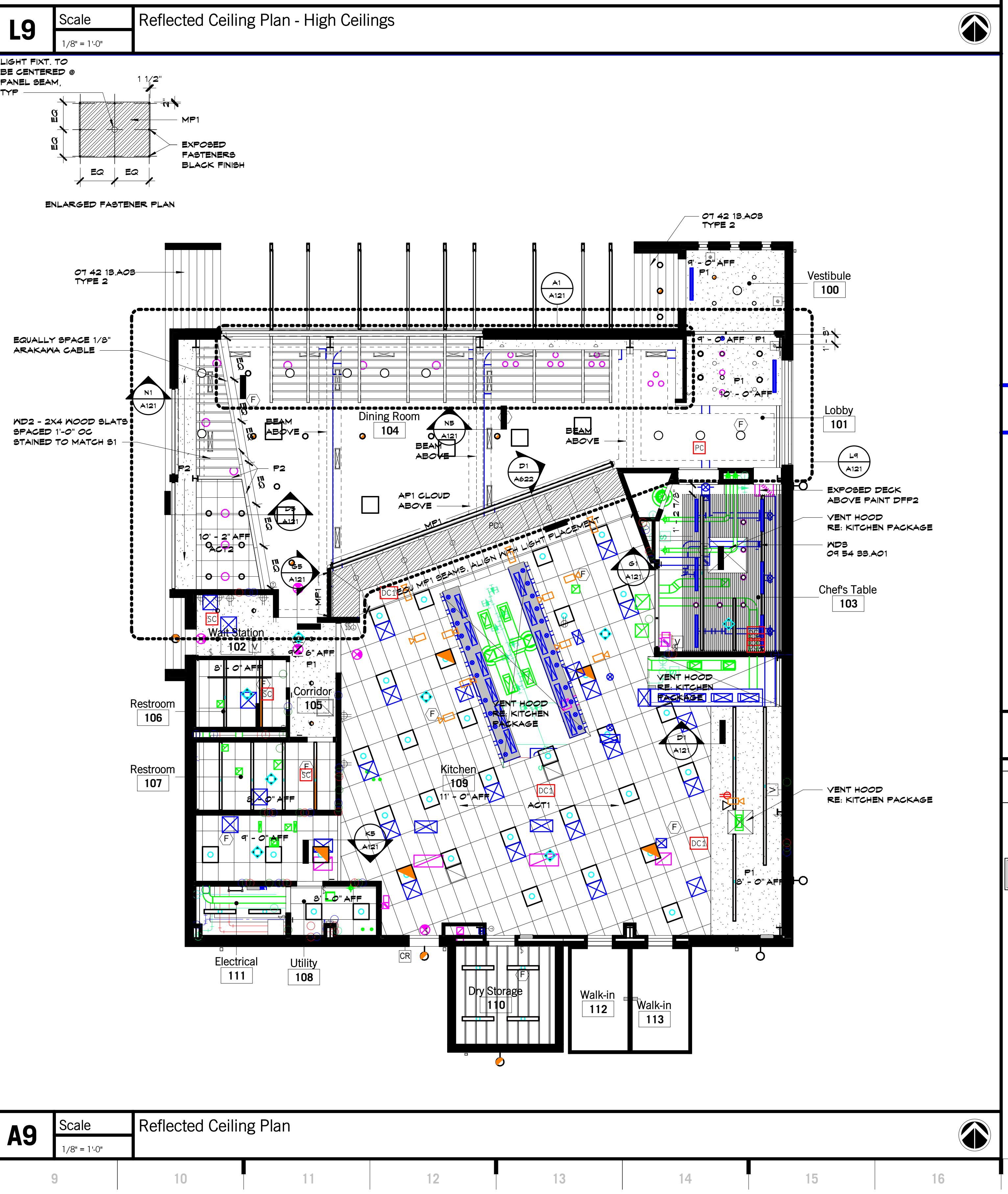
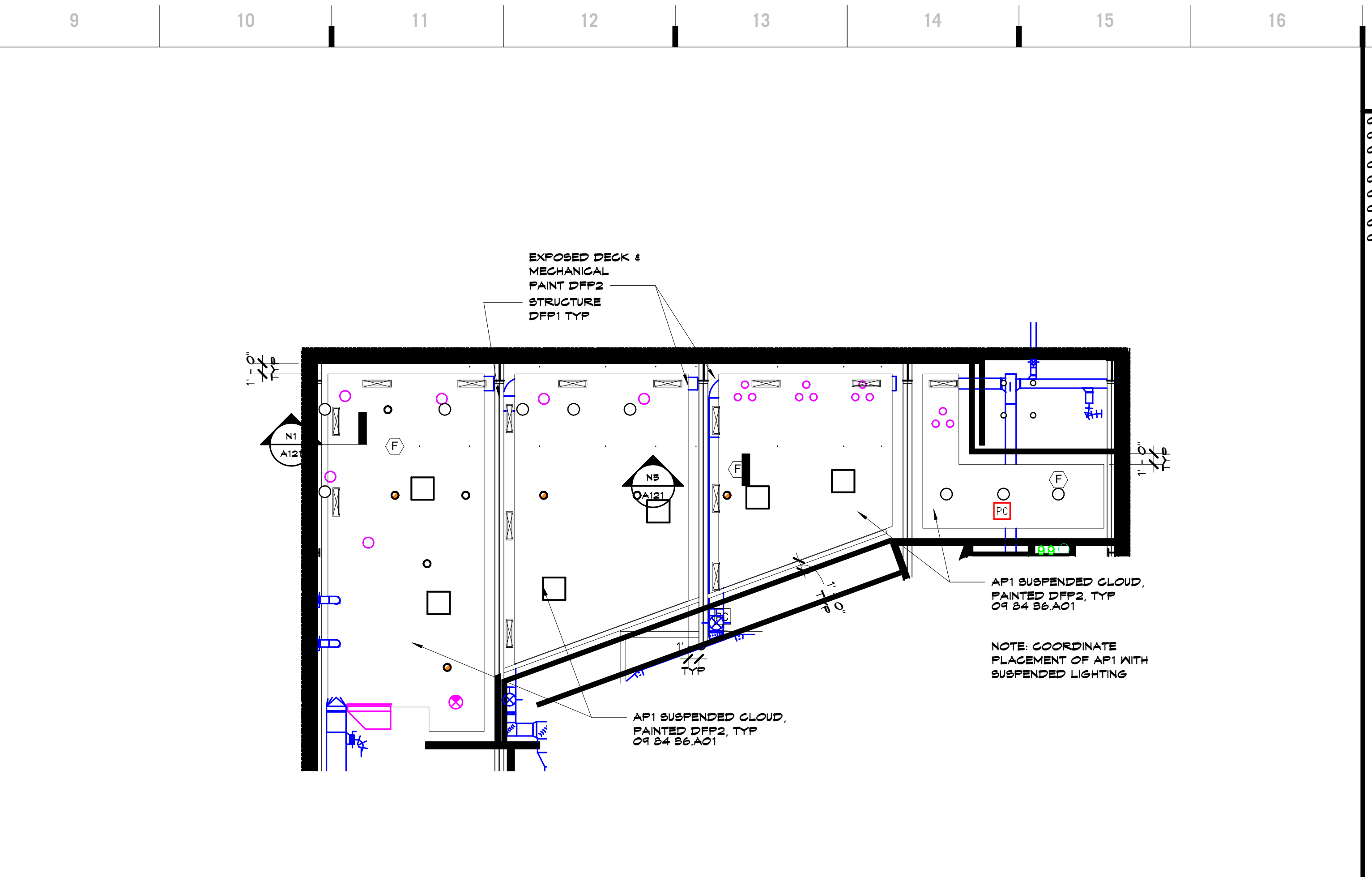
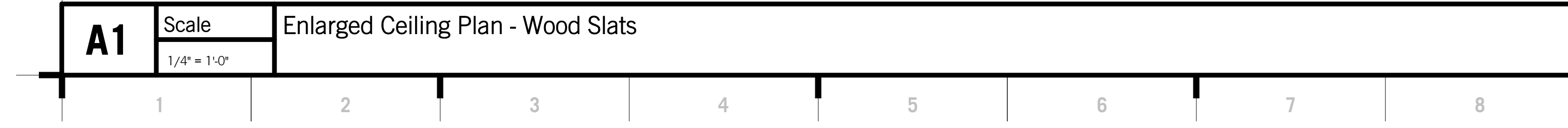
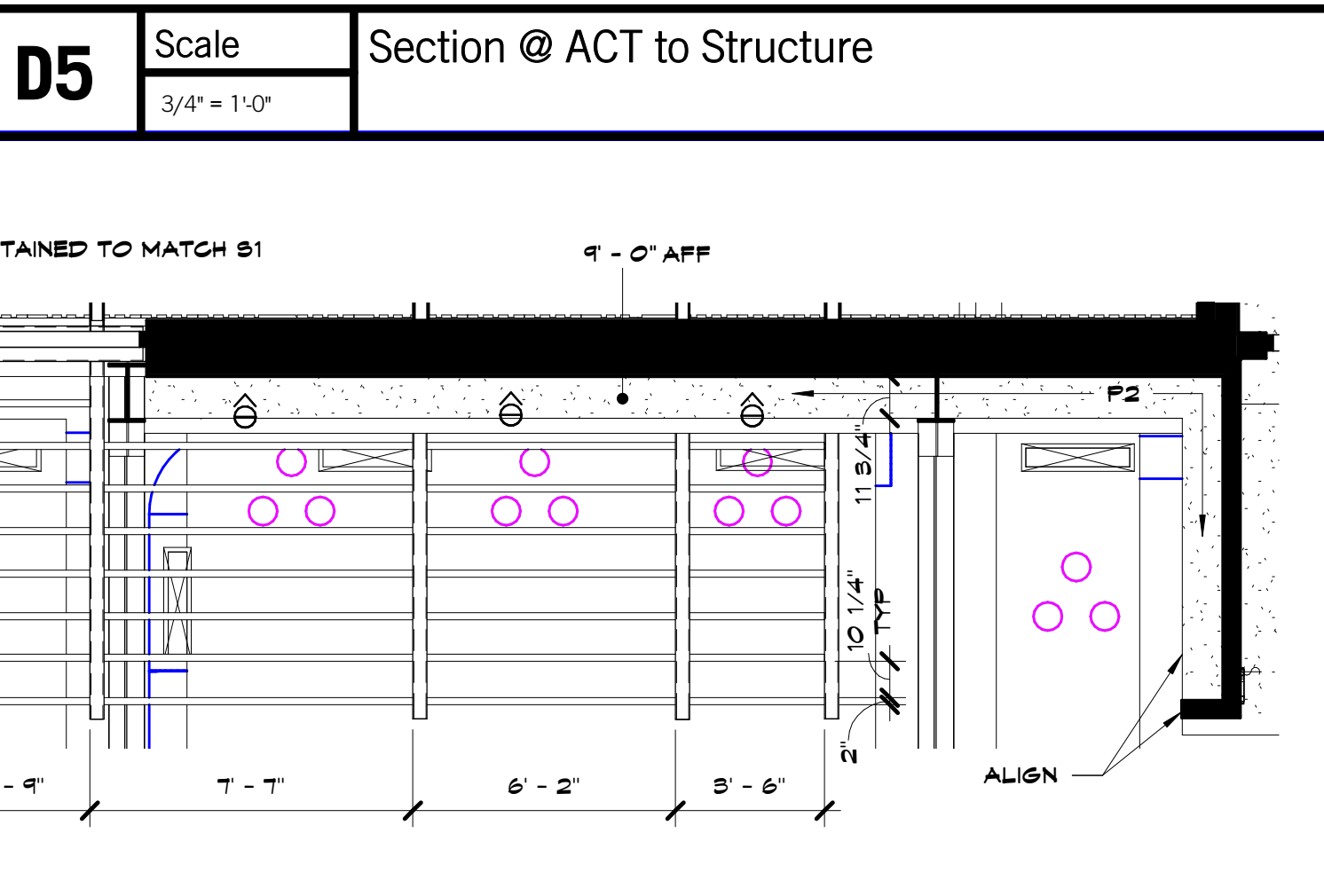
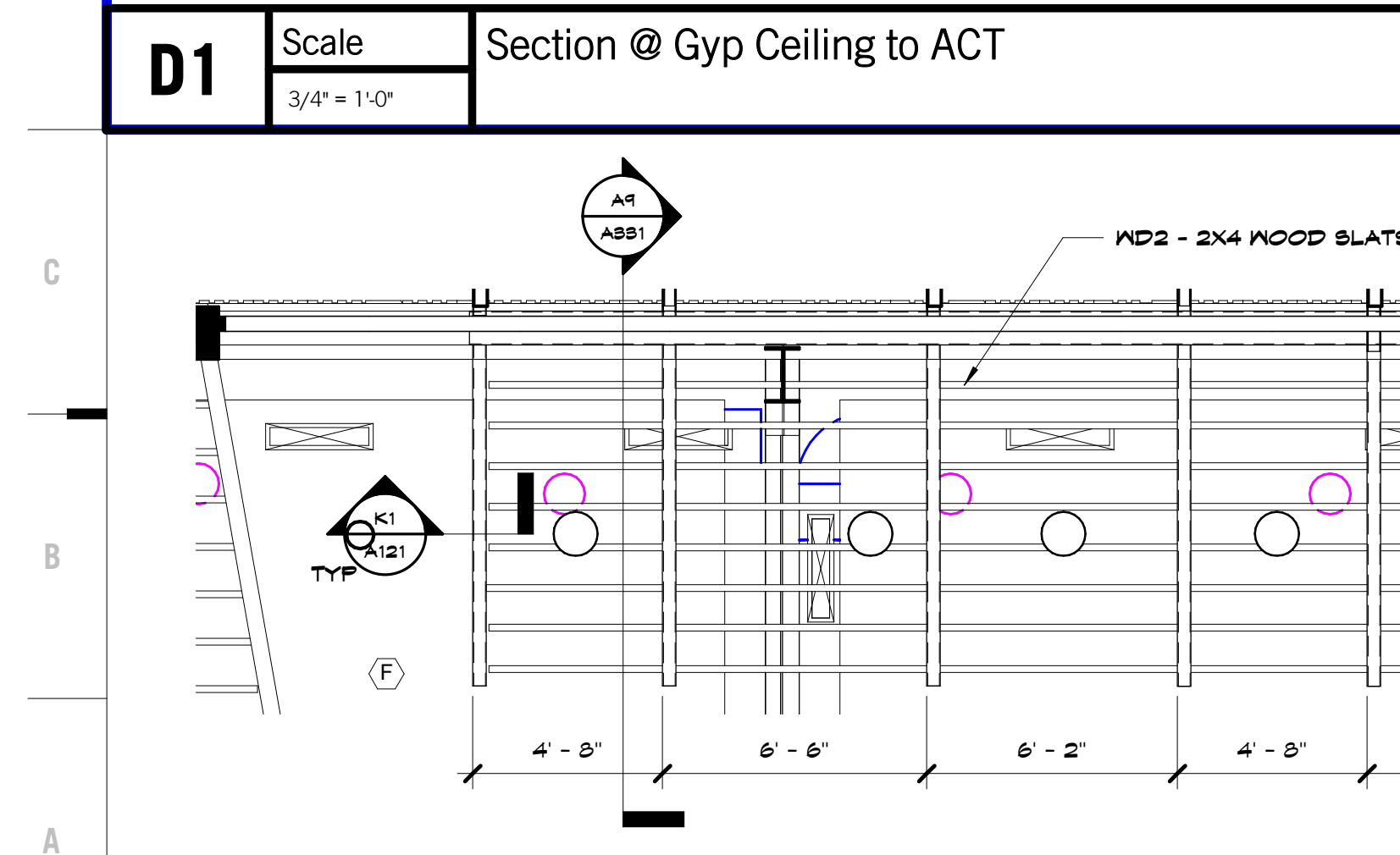
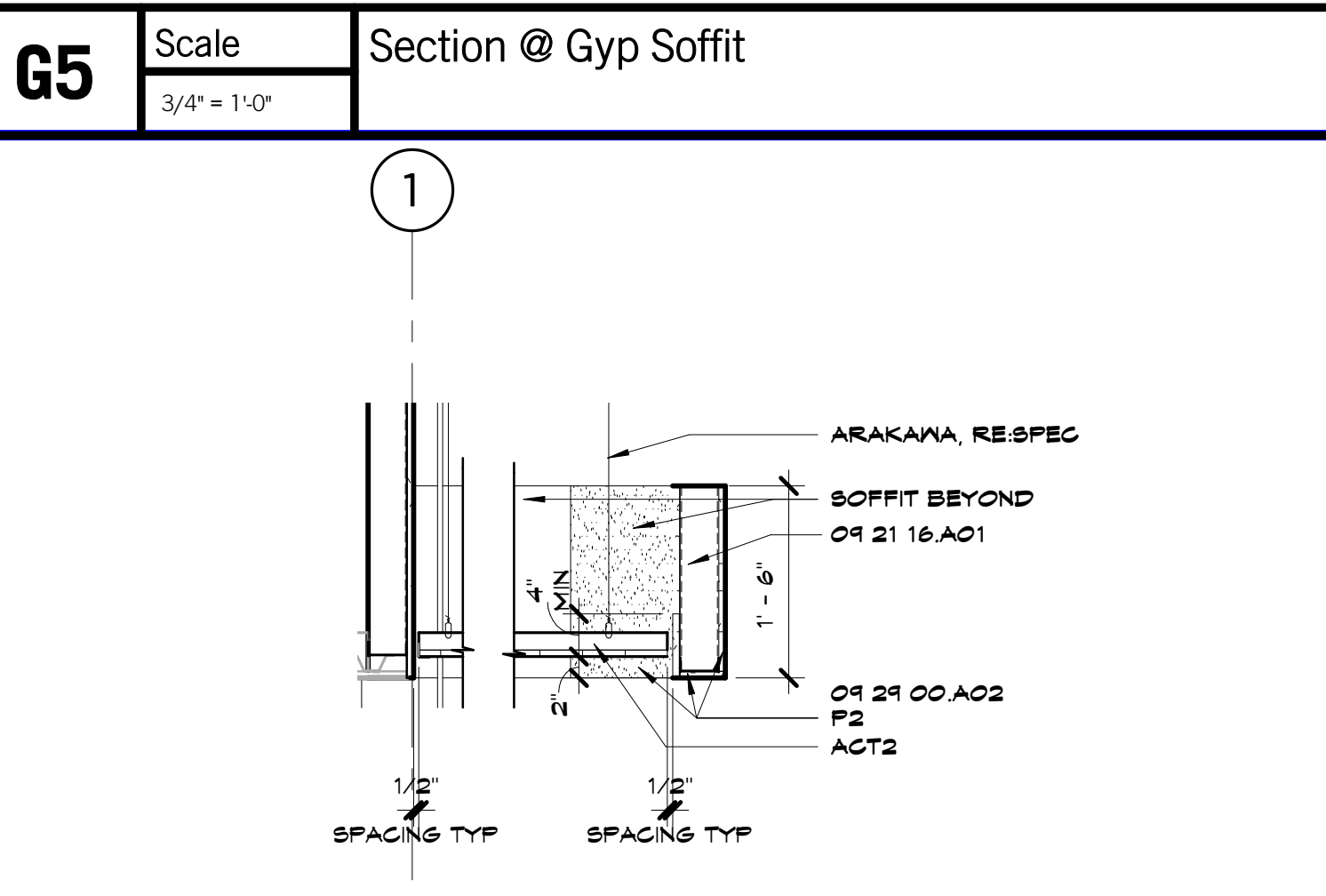
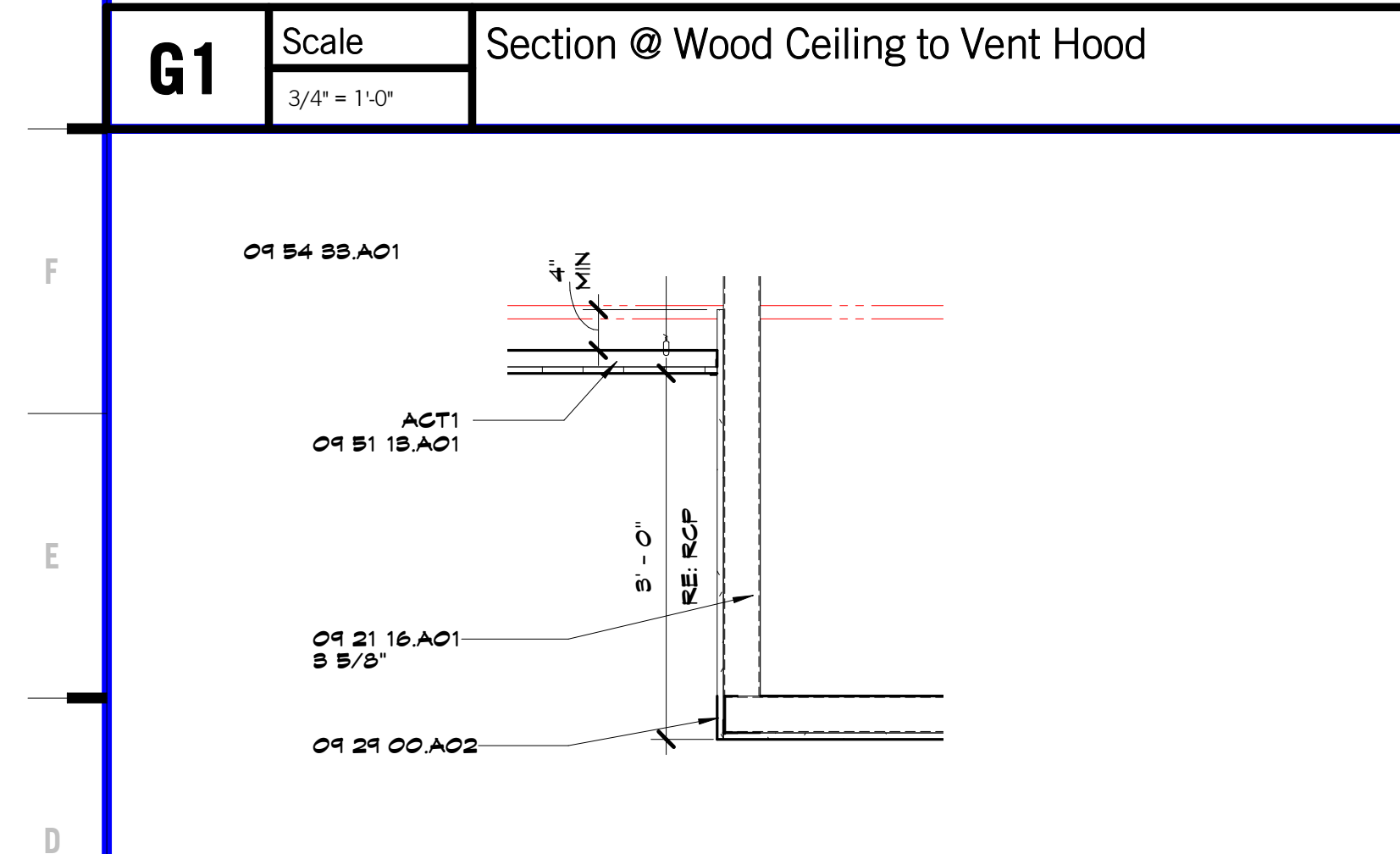
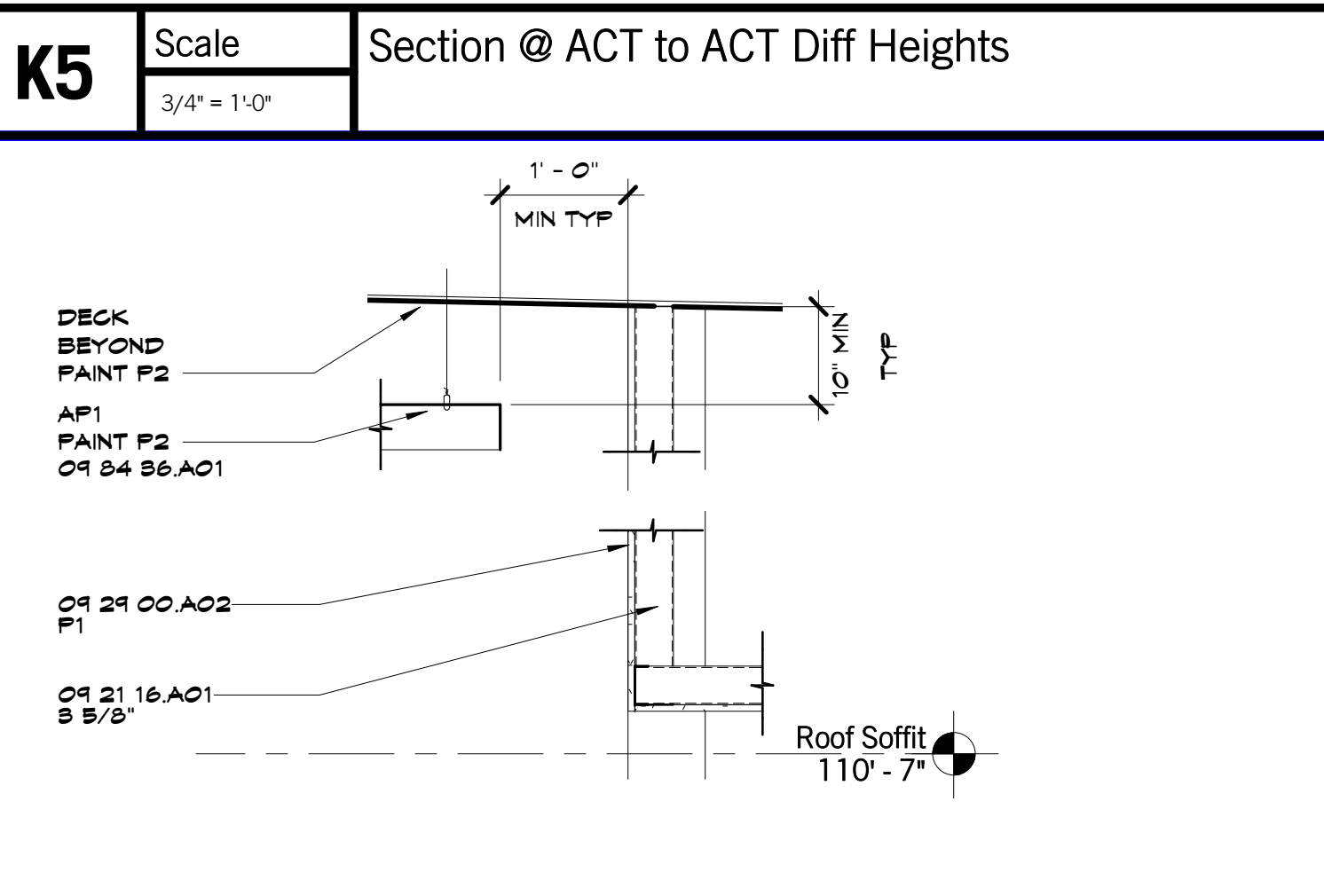
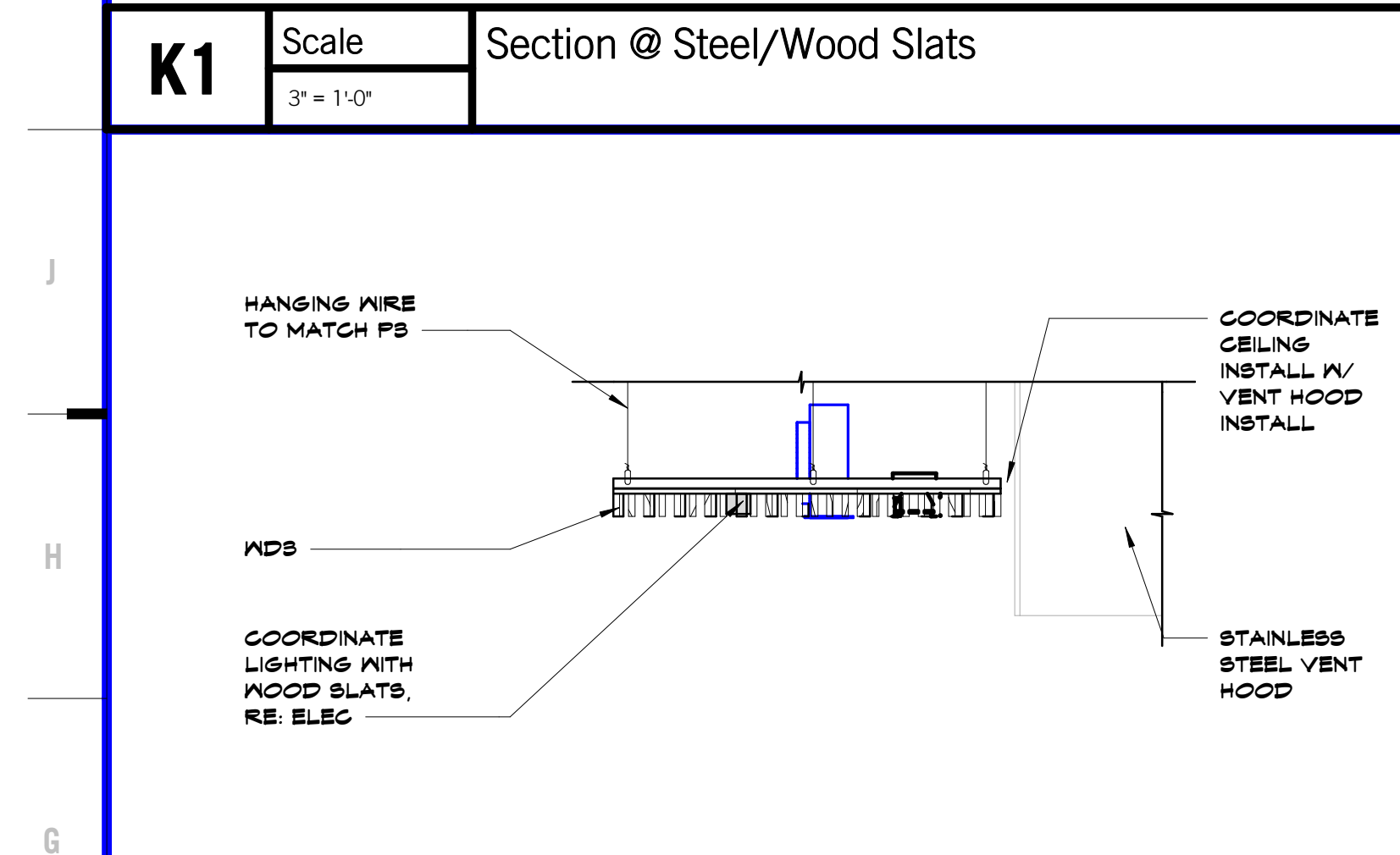
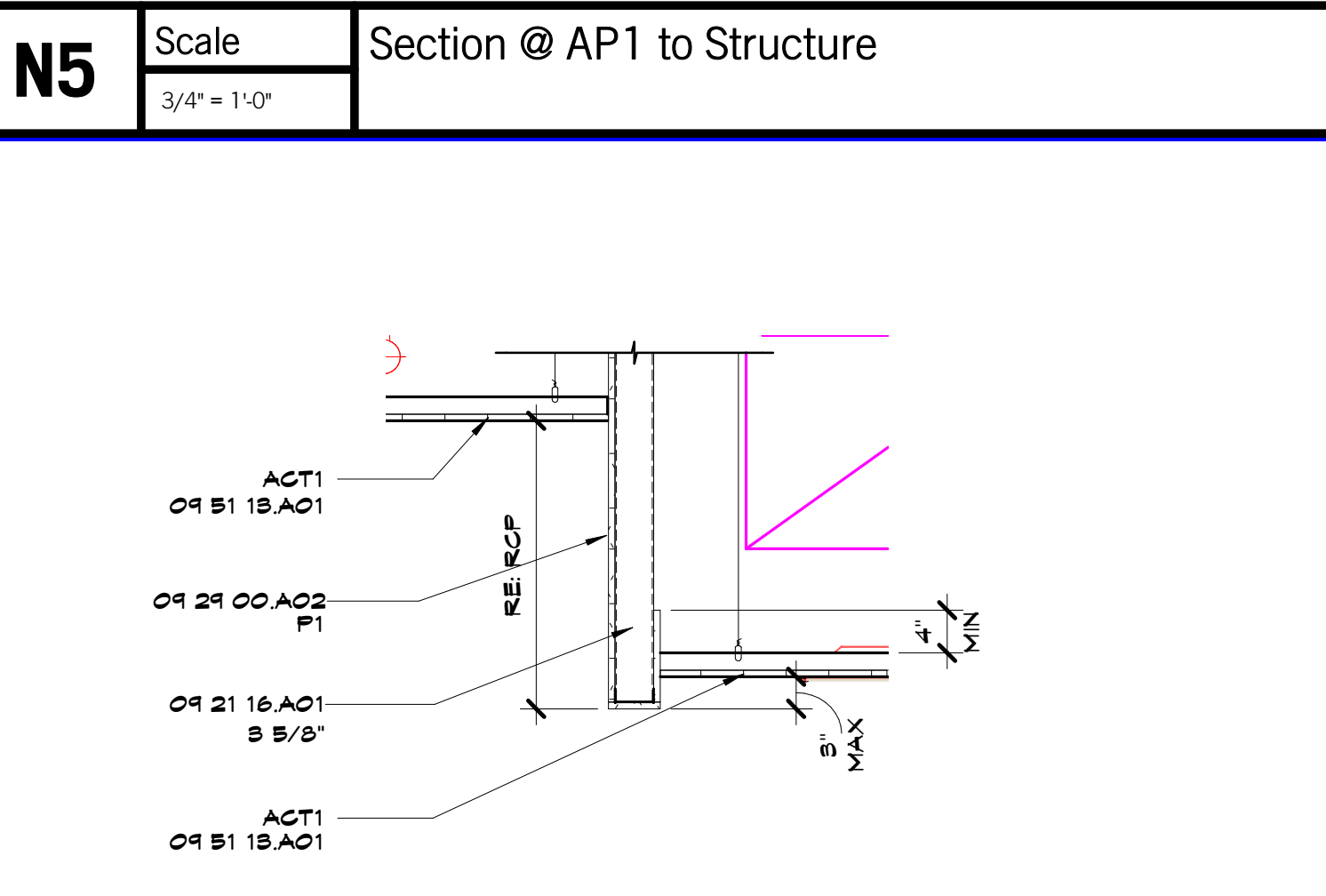
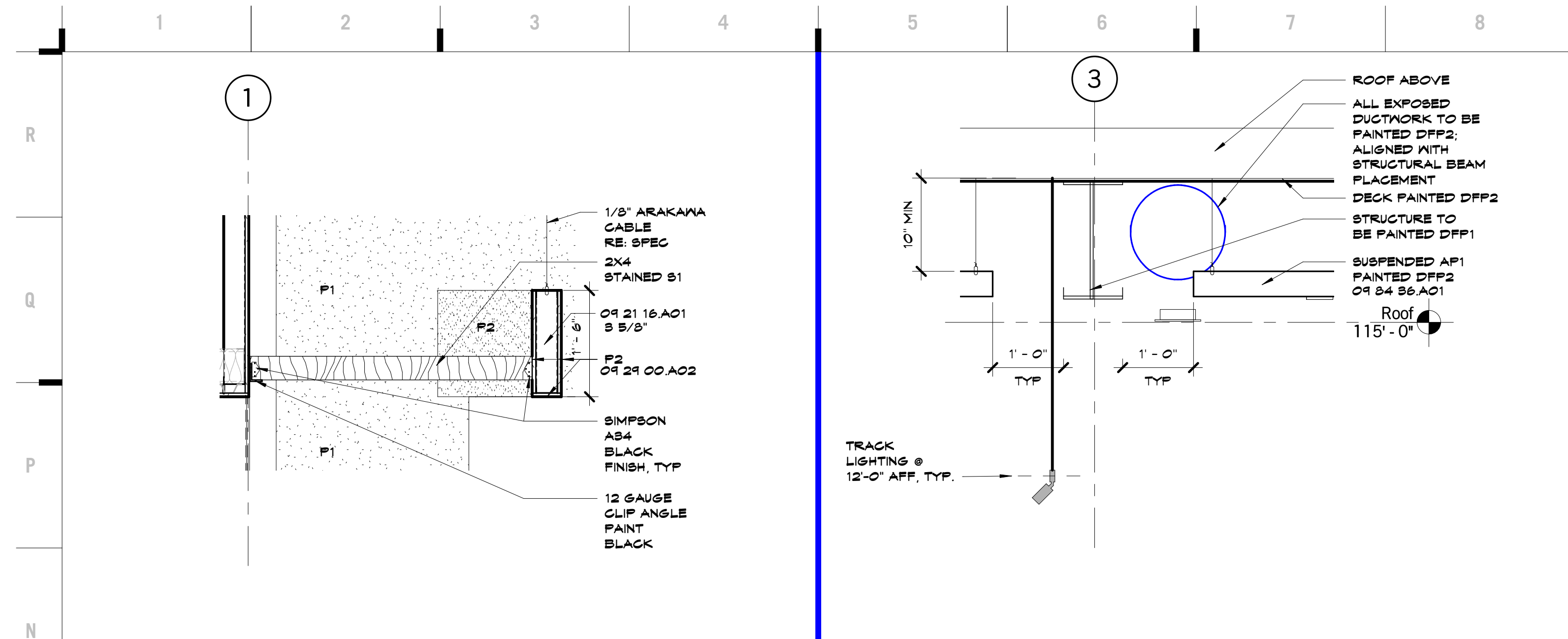
Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

#	Description	Date



JOB NO: 17048
 DRAWN BY: HD/KM
 CHECKED BY: SB
 DATE: 03.08.2019

A101



OR 12 00.A05	PLATE
OR 12 00.A06	COLD-FORMED HSB
OR 10 00.A01	DECORATIVE METAL
OT 42 18.A09	CONCEALED FASTENER METAL WALL PANELS
OR 21 18.A01	NON-STRUCTURAL FRAMING
OR 24 00.A02	GYP/DM BOARD - TYPE X
OR B1 18.A01	ACOUSTICAL CEILING PANELS
OR B4 B.A01	DECORATIVE CEILING SYSTEM
OR B4 B.A01	SOUND-ABSORBING CEILING PANELS

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 913.345.0617 fax

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 11827 W. 112th St, Suite 200
 Overland Park, KS 66210
 913.317.9390 phone
 913.317.9385 fax

Food Facility Design Consultant
 Santley/Becker Associates, LLC
 6700 Squabb Road, Suite 101
 Mission, KS 66202-3251
 913.362.1800 phone
 913.362.2509 fax

- RCP NOTES**
1. PAINT ALL EXPOSED GYP ED CEILINGS & SOFFITS.
 2. UNO. PAINT ALL EXPOSED TO VIEW STRUCTURE, DUCTWORK (INCLUDING INSIDE EXPOSED TO VIEW), GRILLES, DIFFUSERS, PIPING, CONDUIT, ETC.

	ACOUSTICAL LAY-IN CEILING TILE & GRID		MTL PANEL
	GYP ED CEILING MOUNTED EXIT LIGHT		RETURN DUCT
	LIGHT FIXTURE		SUPPLY DUCT
	CONTROL JOINT		

hollis + miller architects®

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

REVISIONS:

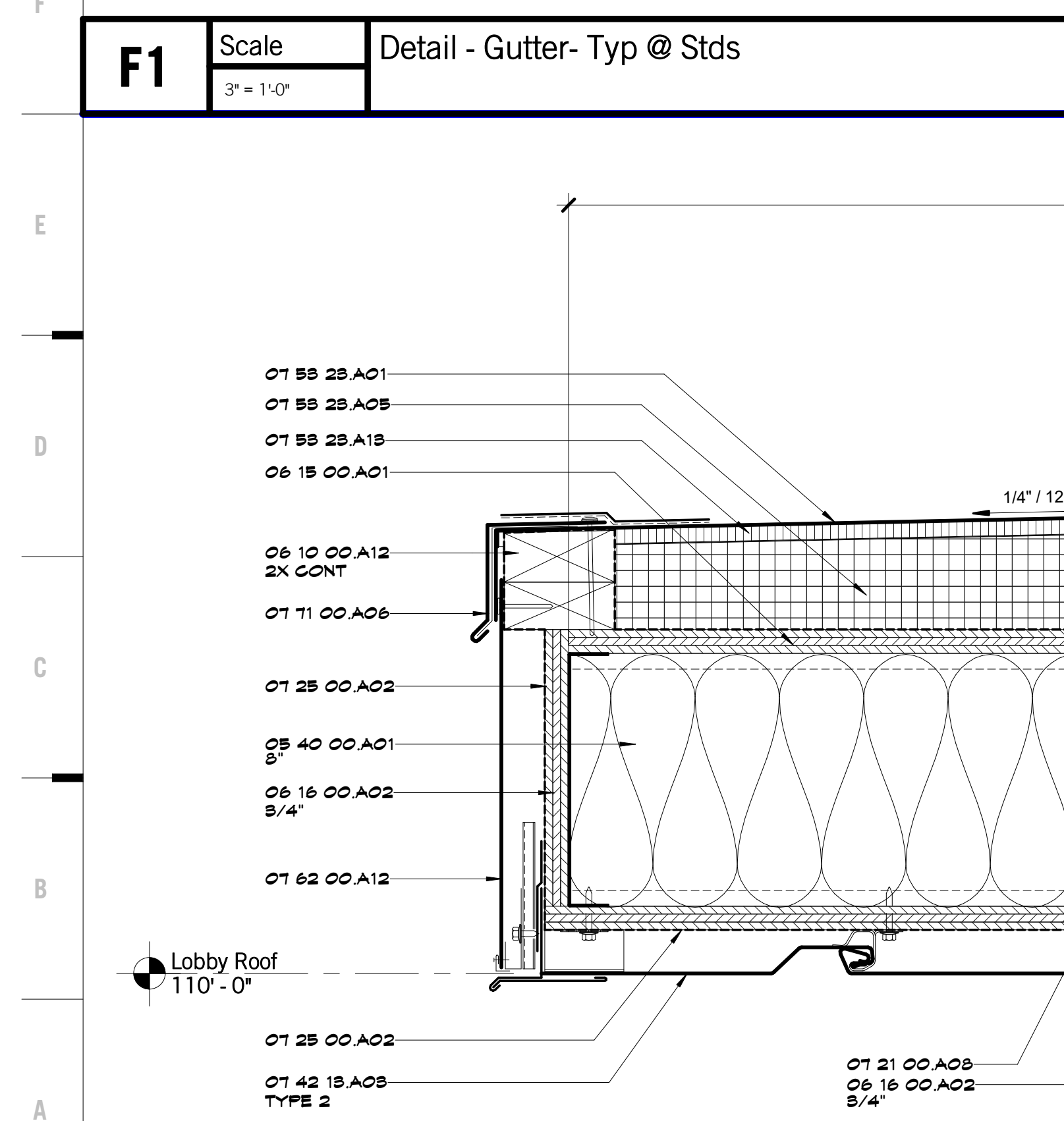
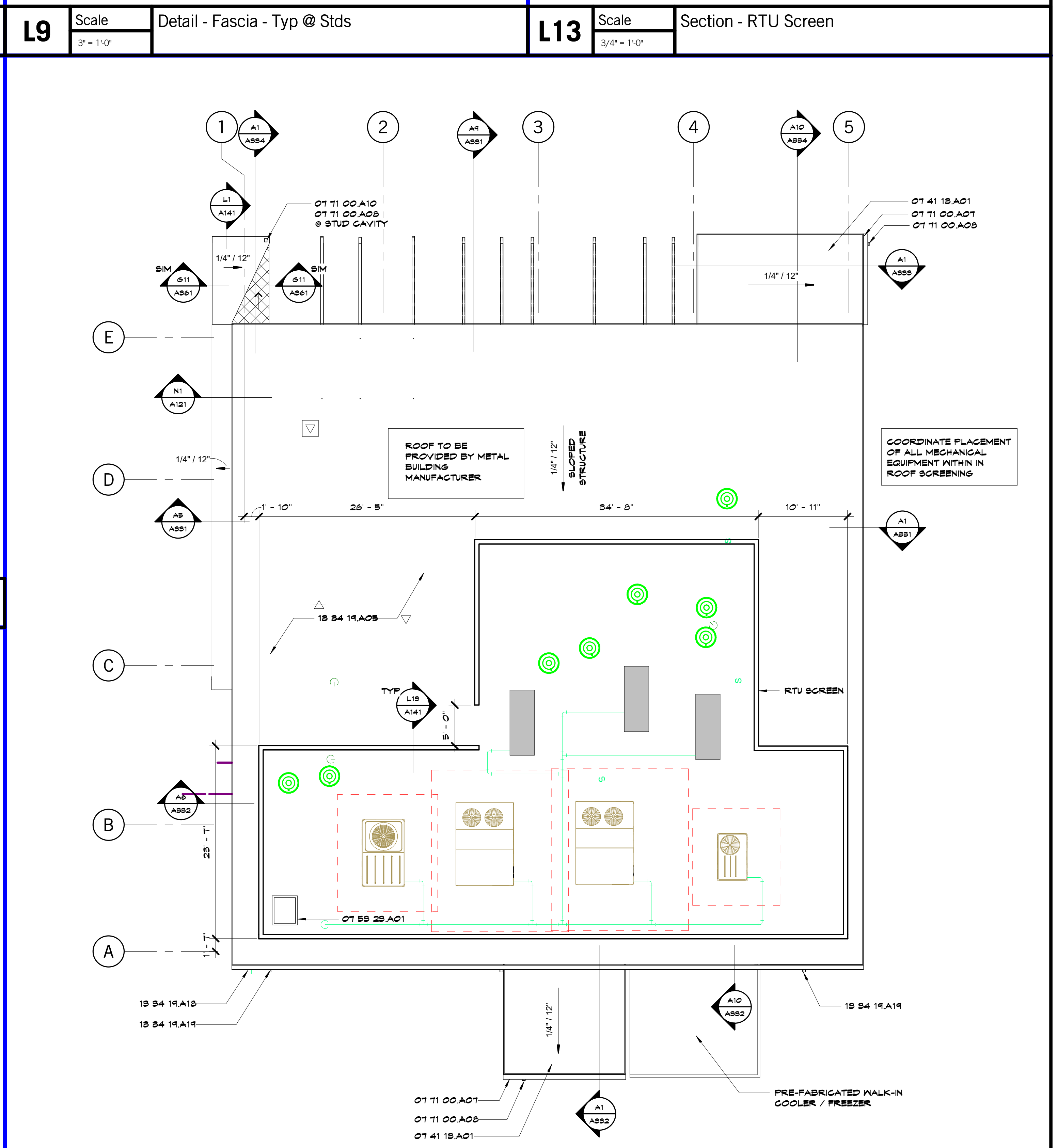
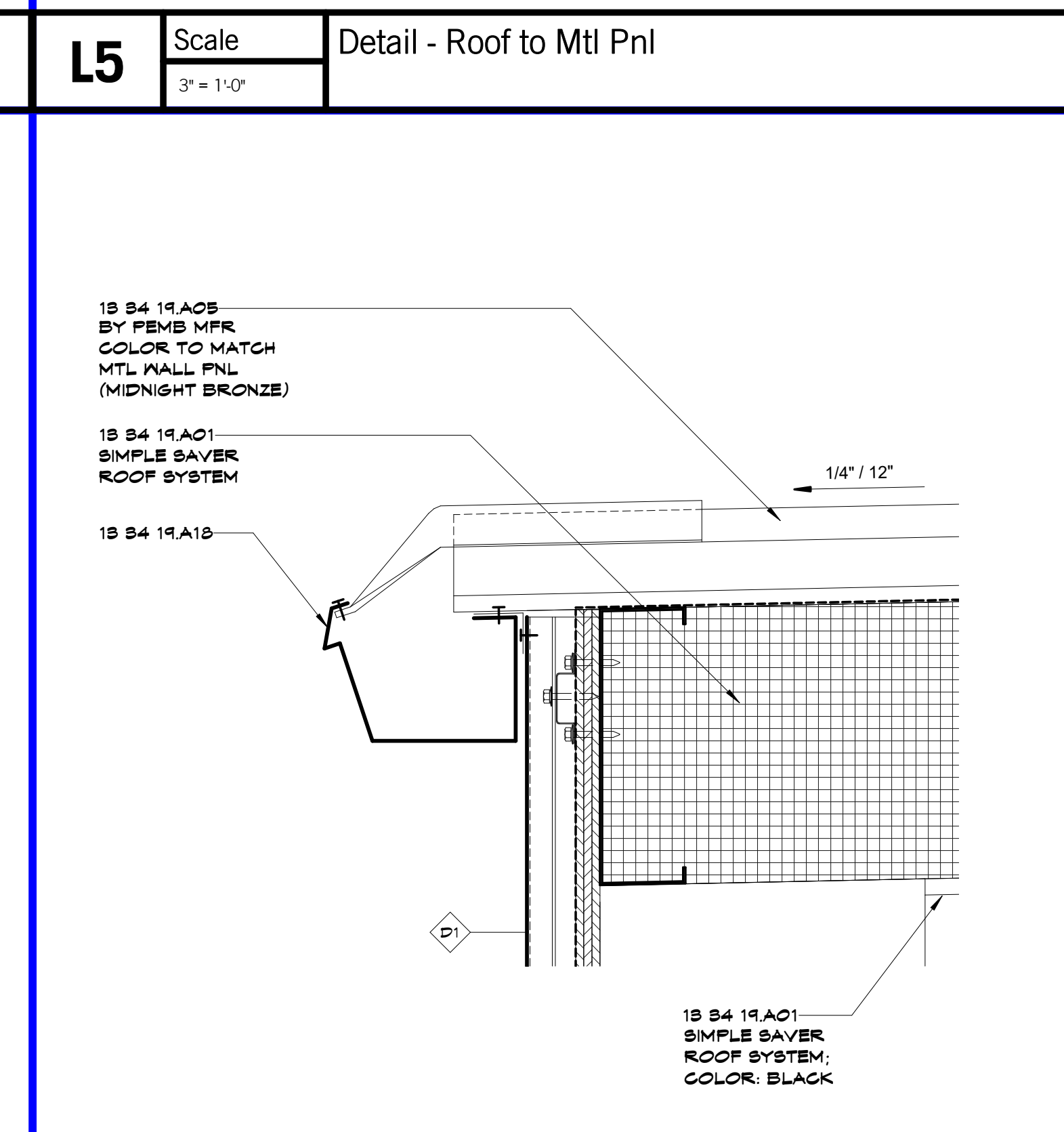
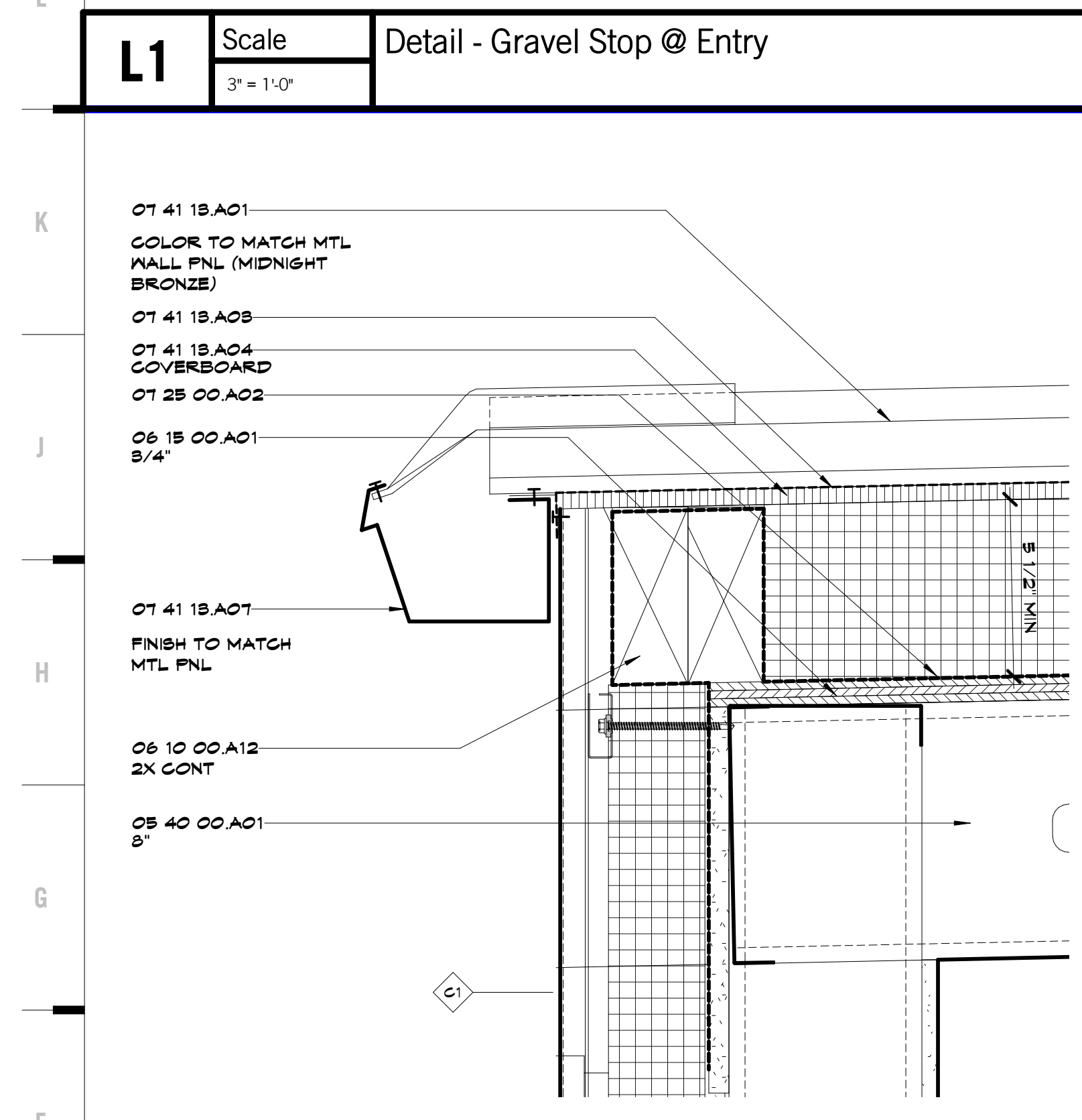
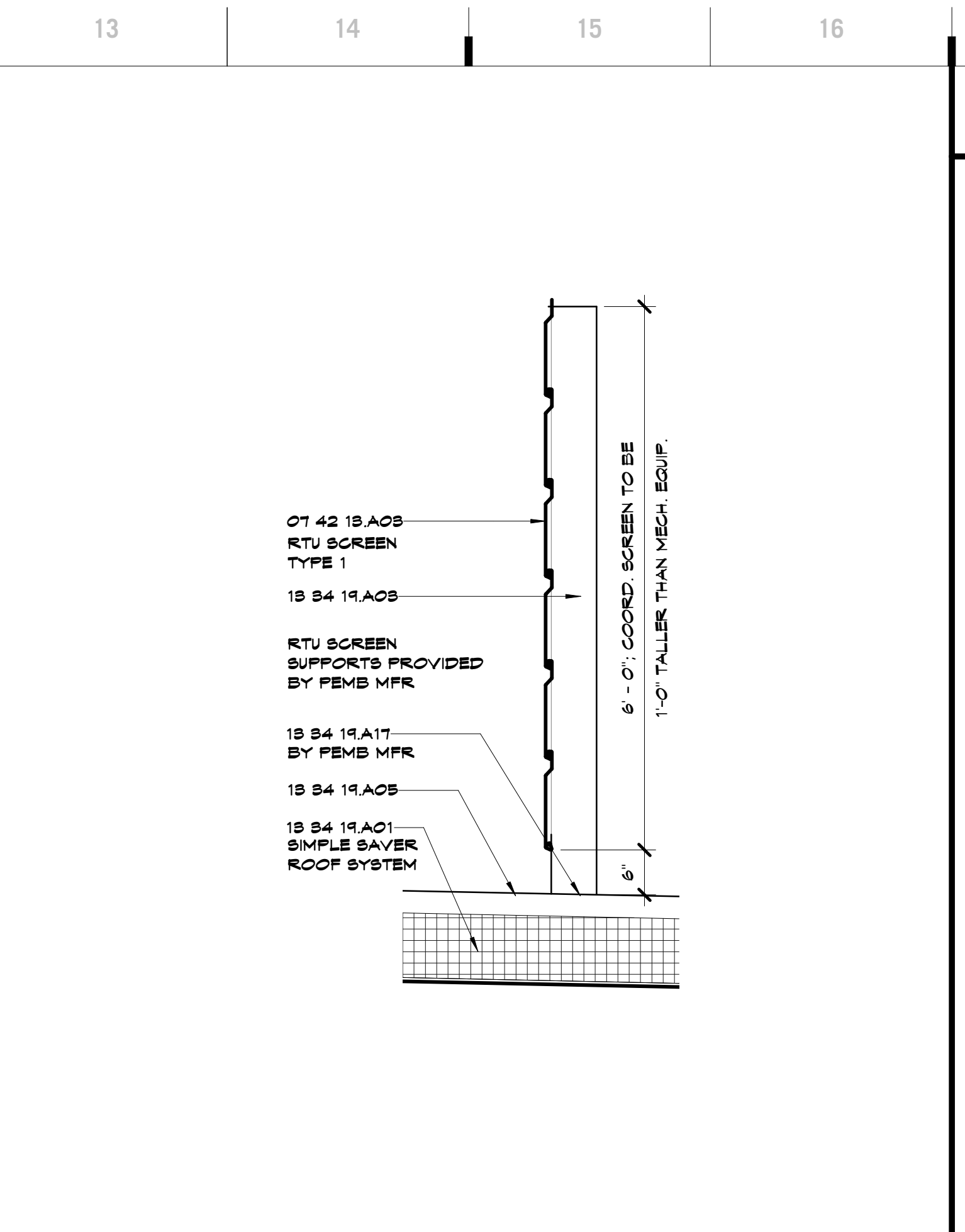
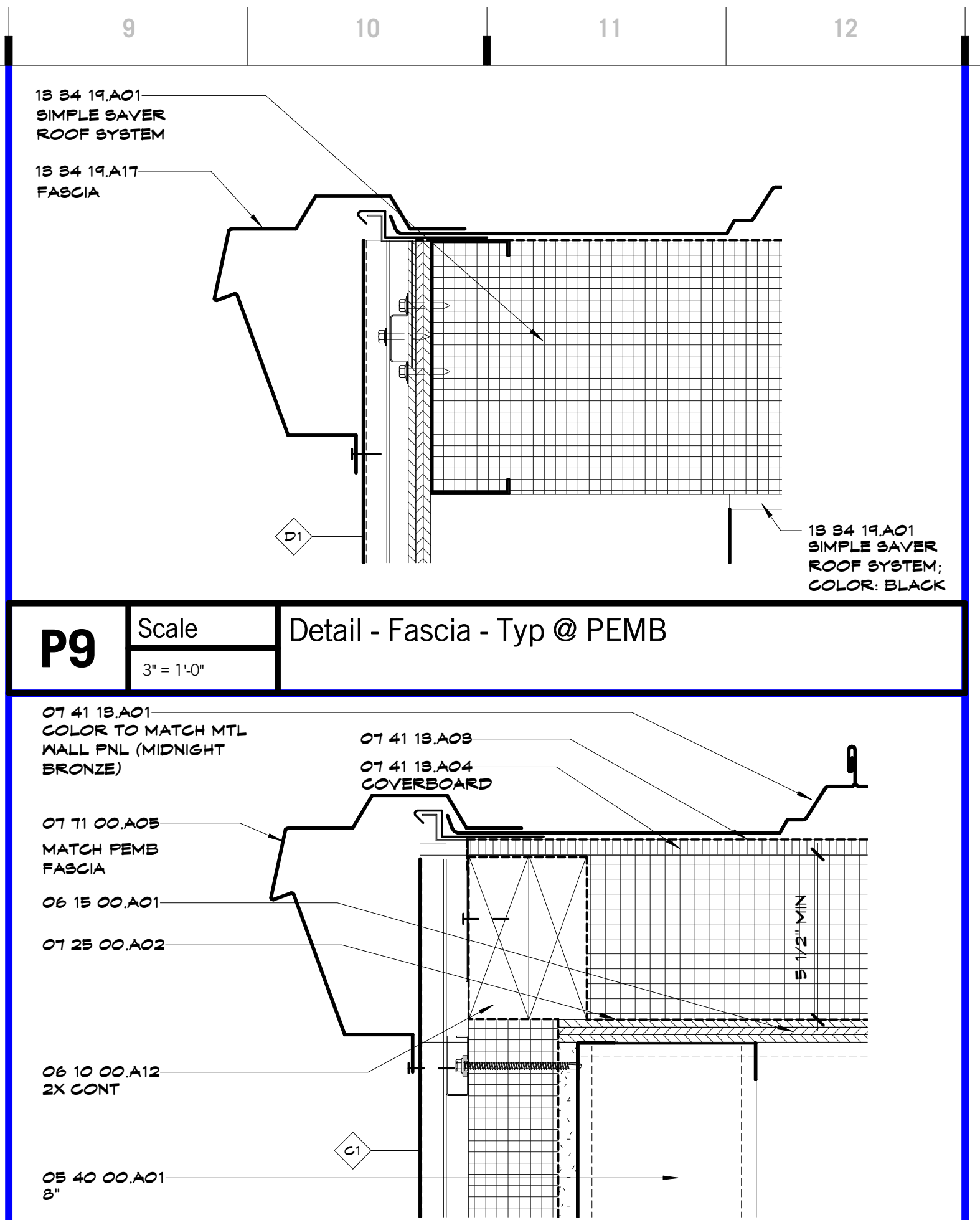
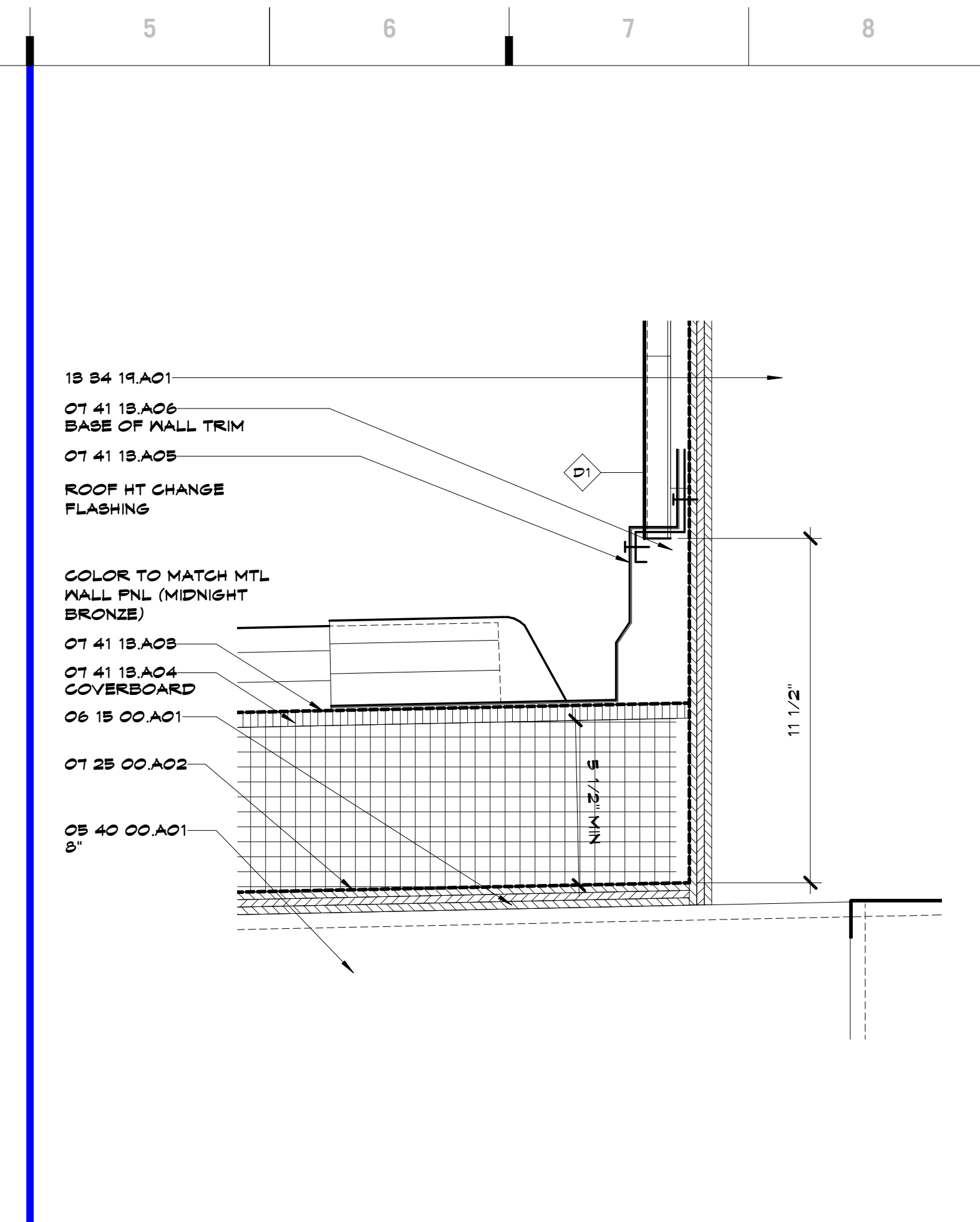
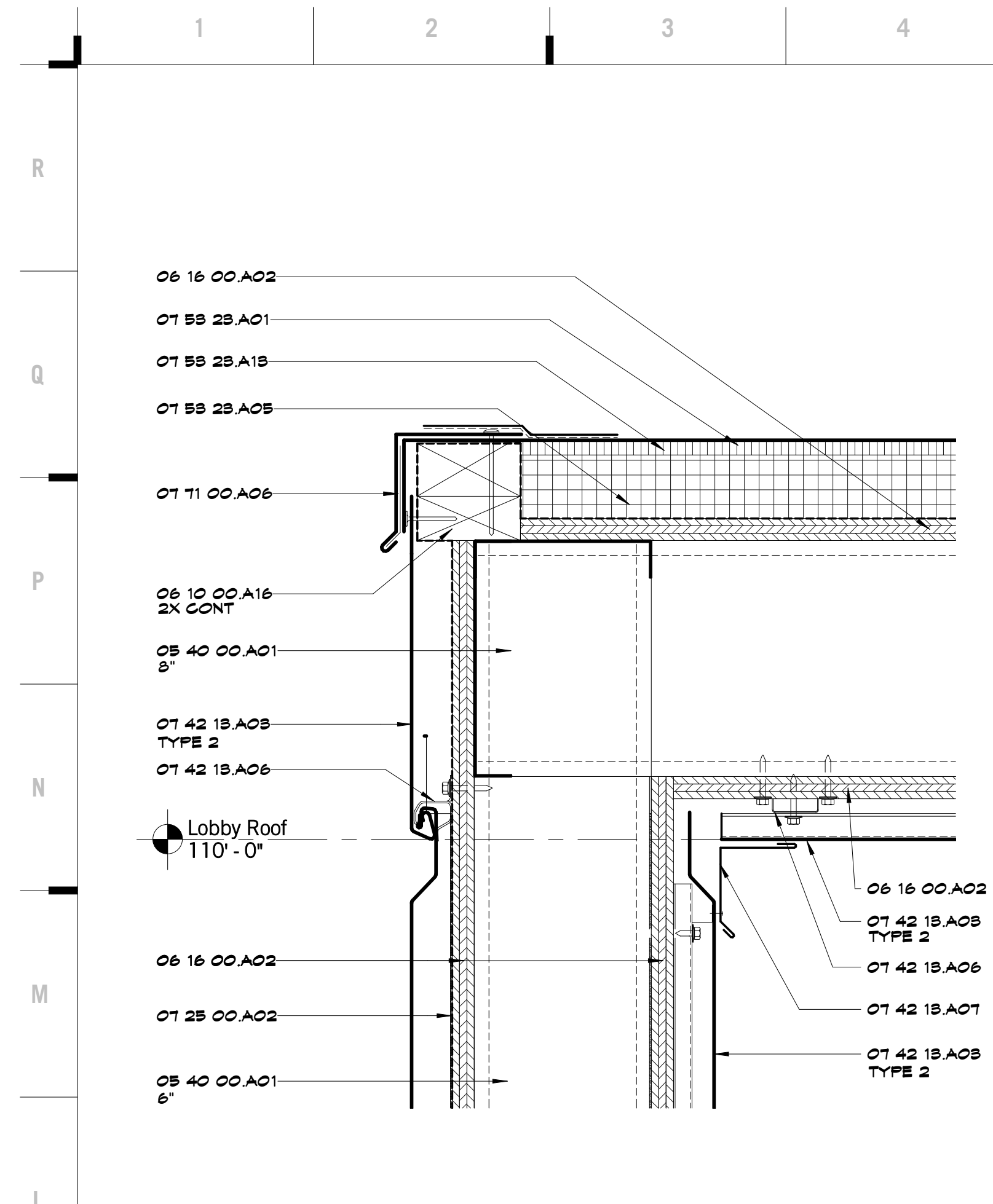
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A121

REFLECTED CEILING PLAN



SHEET KEYNOTE LEGEND

05 40 00 A01	COLD-FORMED METAL FRAMING
06 10 00 A12	FIBERGLASS TREATED WOOD BLOCKING/NAILERS
06 10 00 A16	FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS
06 15 00 A01	WOOD ROOF DECKING
06 16 00 A02	FIRE-RETARDANT TREATED PLYWOOD
07 21 00 A03	UNFACED GLASS FIBER BLANKET INSULATION
07 25 00 A02	SELF-ADHERING WEATHER BARRIERS
07 41 18 A01	METAL ROOF PANELS
07 41 18 A03	UNDERLAYMENT
07 41 18 A04	SUBSTRATE BOARD
07 41 18 A05	FLASHING
07 41 18 A06	TRIM
07 41 18 A07	GUTTERS
07 42 18 A03	CONCEALED FASTENER METAL WALL PANELS
07 42 18 A06	METAL SUBFRAMING
07 42 18 A07	FLASHING AND TRIM
07 52 16 A03	INSULATION GANT STRIPS
07 59 28 A01	ADHERED EPDM ROOFING SYSTEM
07 59 28 A03	TAPERED INSULATION
07 59 28 A10	COVERBOARD
07 62 00 A12	FASCIA CAP
07 62 00 A10	COUNTER FLASHING
07 11 00 A03	FASCIA
07 11 00 A06	GRAVEL STOP EDGING
07 11 00 A07	GUTTERS
07 11 00 A08	DOWNSFUTS
07 11 00 A10	ROOF EDGE SCUFFERS
18 B4 19 A01	METAL BUILDING SYSTEM
18 B4 19 A03	STRUCTURAL STEEL FRAMING
18 B4 19 A05	METAL ROOF PANELS
18 B4 19 A17	FLASHING AND TRIM
18 B4 19 A19	GUTTERS
18 B4 19 A18	DOWNSFUTS

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2019

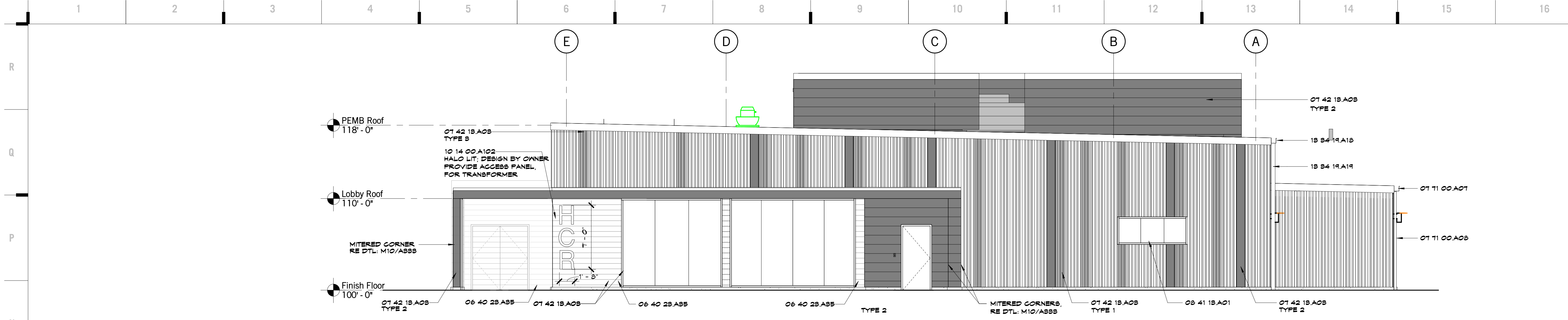
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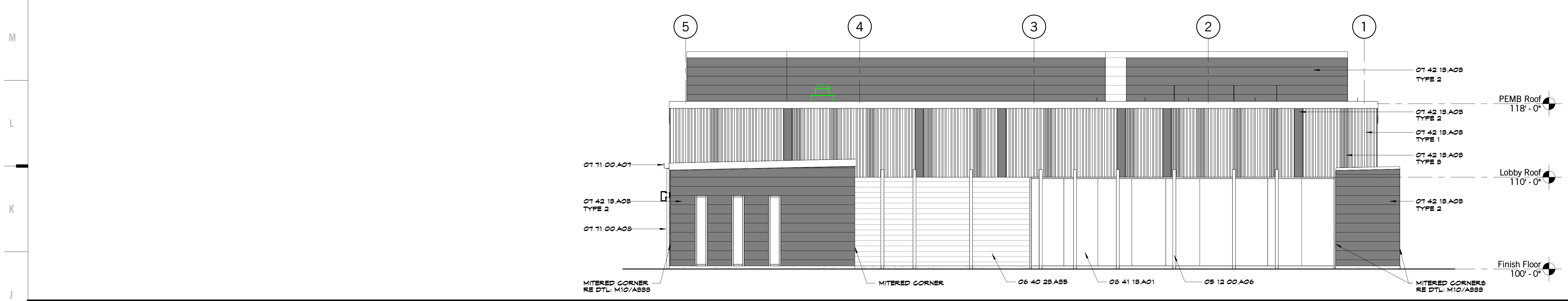
A141

ROOF PLAN

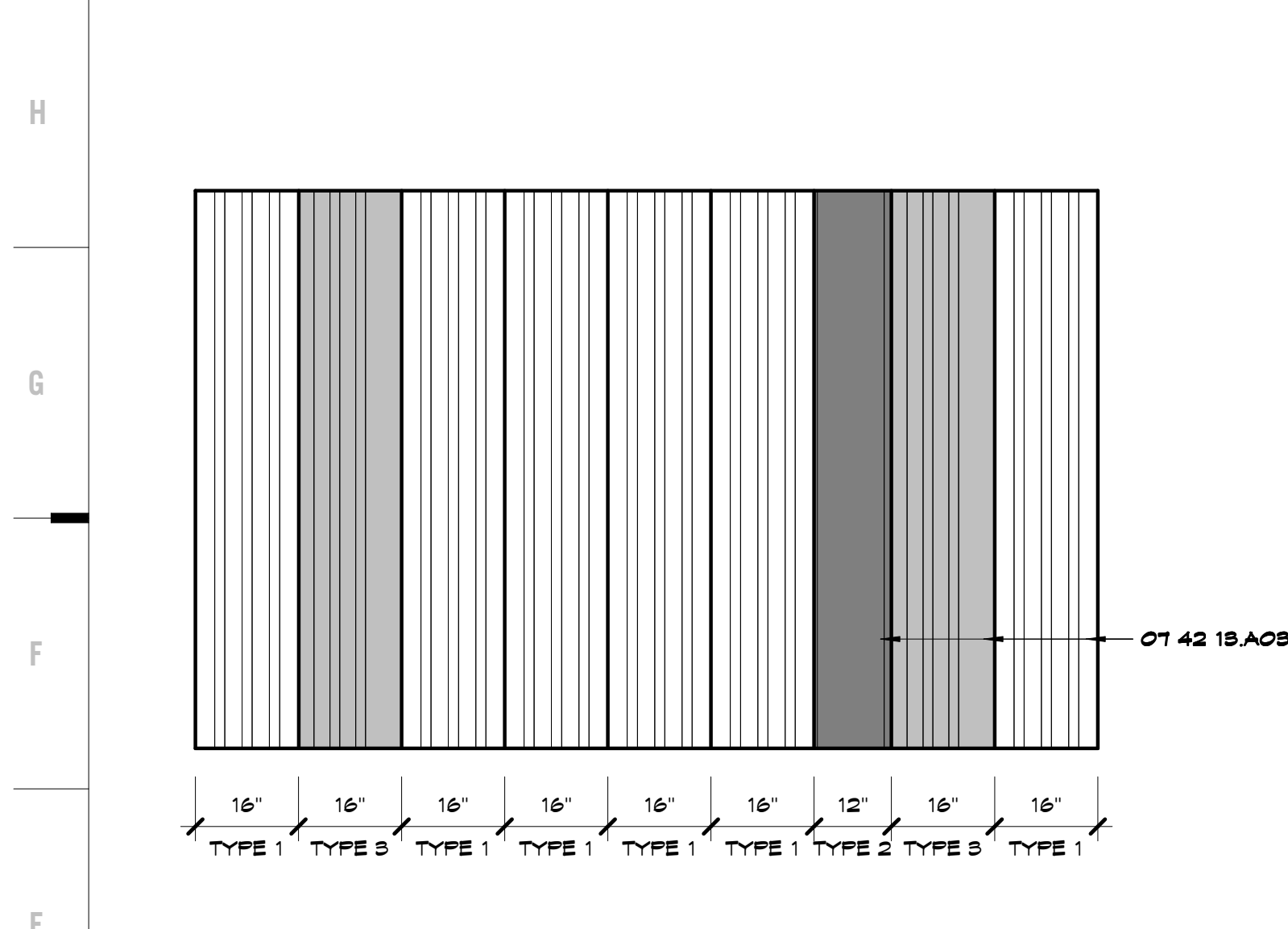
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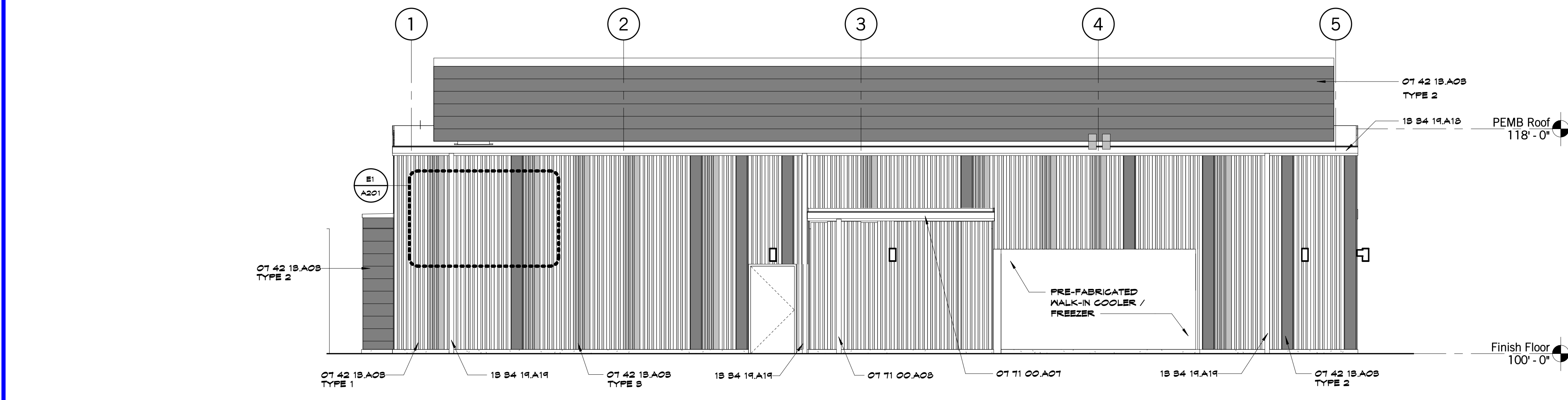
N1 Scale 3/16" = 1'-0" Exterior Elevation - West



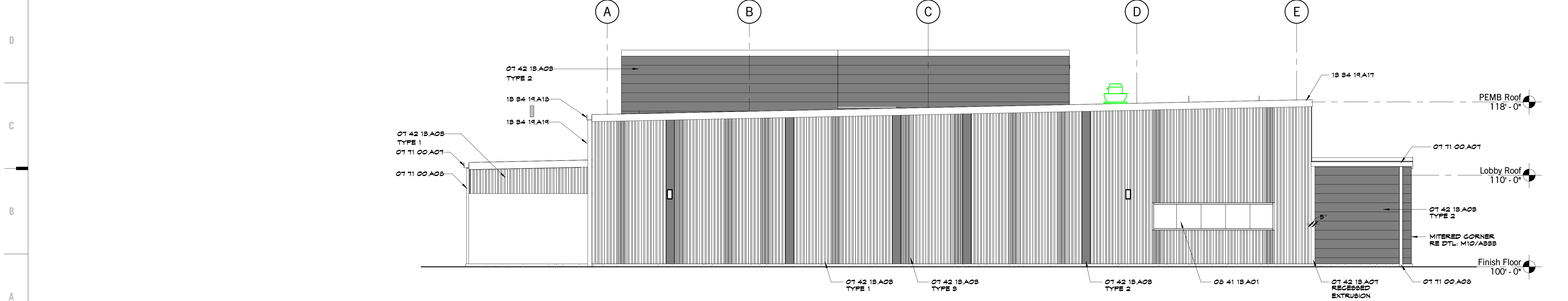
J1 Scale 3/16" = 1'-0" Exterior Elevation - North



E1 Scale 1/2" = 1'-0" Enlarged Mtl Pnl Pattern



E5 Scale 3/16" = 1'-0" Exterior Elevation - South



A1 Scale 3/16" = 1'-0" Exterior Elevation - East

SHEET KEYNOTE LEGEND

- 08 12 00 A08 GOLD-FORMED HSB
- 08 40 28 ABS RECLAIMED AOOD
- 01 42 18 AOB CONGELED FASTENER METAL WALL PANELS
- 01 42 18 A01 FLASHING AND TRIM
- 01 11 00 A01 GUTTERS
- 01 11 00 A08 DOWNSPOUTS
- 08 41 18 A01 STOREFRONT FRAMING (THERMAL BROKEN)
- 10 14 00 SIGNAGE
- 18 84 19 A17 FLASHING AND TRIM
- 18 84 19 A18 GUTTERS
- 18 84 19 A19 DOWNSPOUTS

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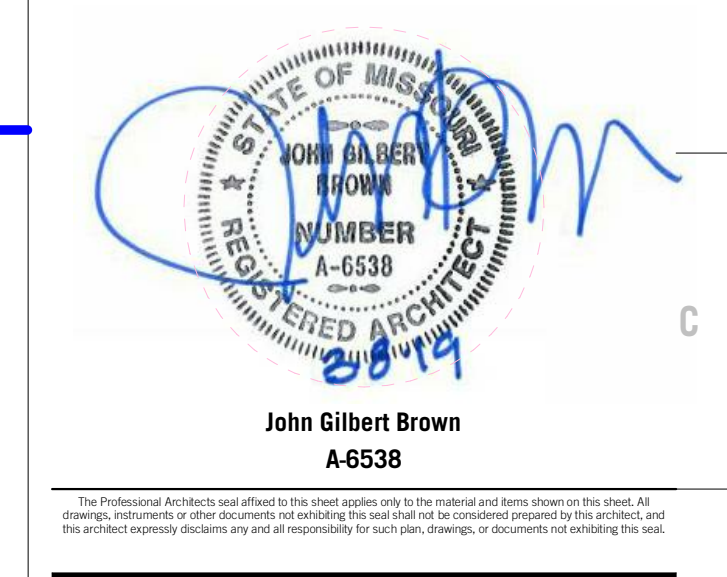
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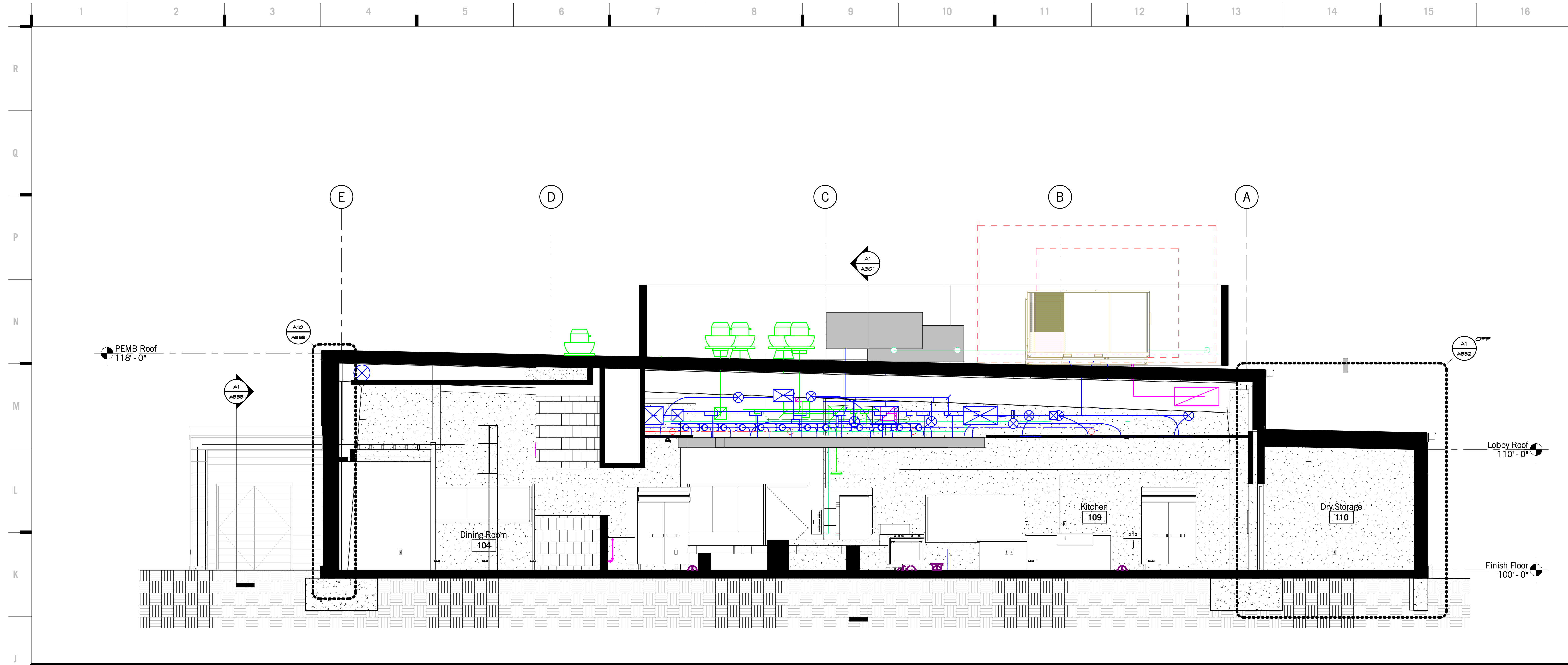
EXTERIOR MATERIALS

- 01 42 18 AOB - CONGELED FASTENER METAL PANEL
MANUFACTURER: CENTRIA
STYLE: CS-660
COLOR: MIDNIGHT BRONZE
 - 01 42 18 A01 - CONGELED FASTENER METAL PANEL
MANUFACTURER: CENTRIA
STYLE: CS-220
COLOR: MIDNIGHT BRONZE
 - 01 42 18 A08 - CONGELED FASTENER METAL PANEL
MANUFACTURER: CENTRIA
STYLE: CS-660
COLOR: MIDNIGHT BRONZE
 - 06 40 28 ABS - RECLAIMED AOOD PLANK
MANUFACTURER: TERRA MAI
STYLE: LOST COAST REDWOOD
COLOR: TBD
 - 08 41 28 A01 - ANODIZED ALUMINUM STOREFRONT SYSTEM
COLOR: BLACK
- *PRE-FINISH ALL GUTTERS, DOWNSPOUTS, AND FASCIA TO MATCH MTL WALL PNL

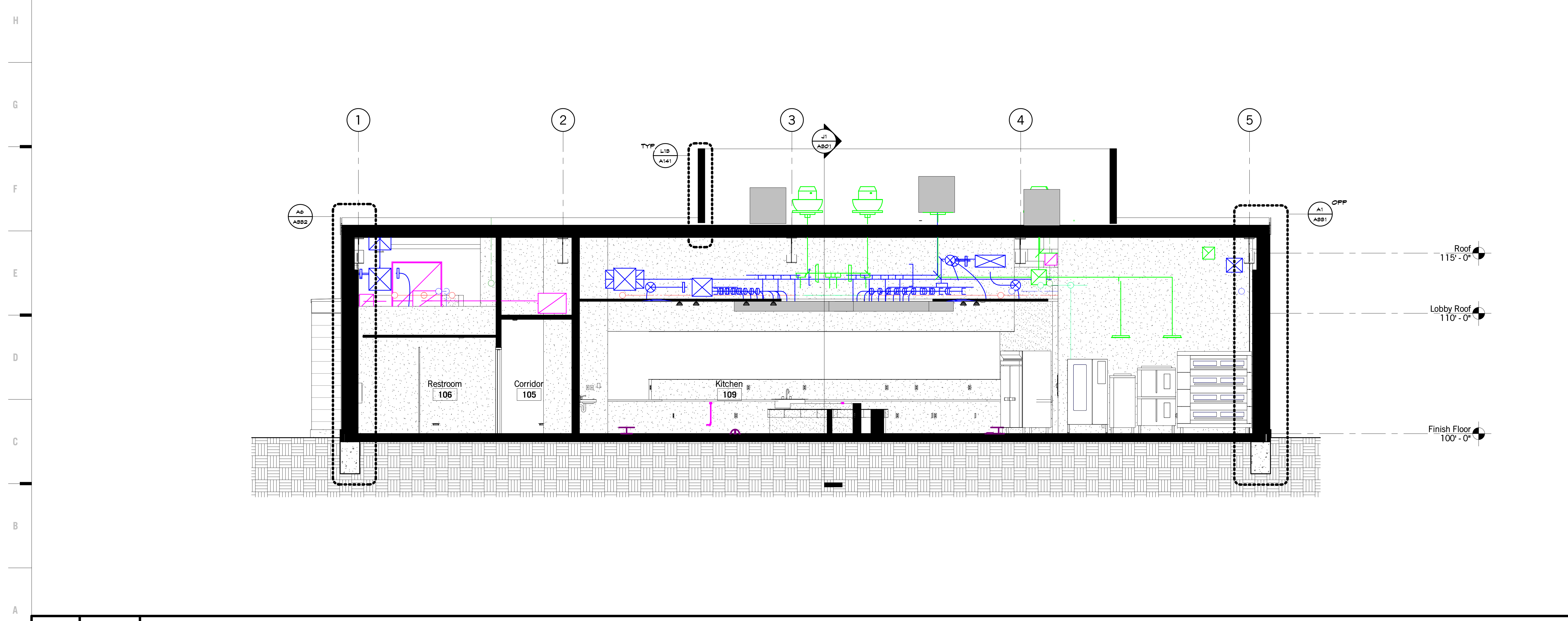


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A201



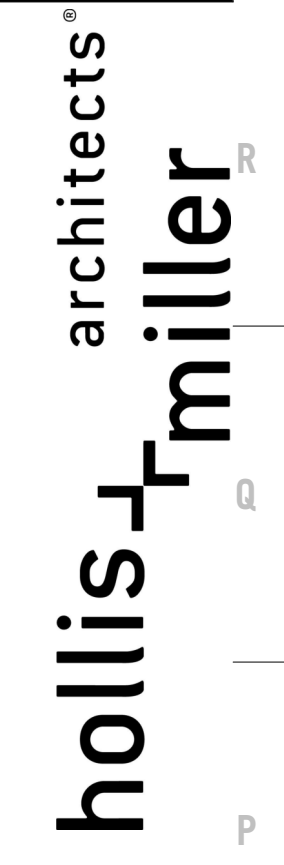
J1 Scale Building Section - North / South Looking East
1/4" = 1'-0"



A1 Scale Building Section - East / West Looking North
1/4" = 1'-0"

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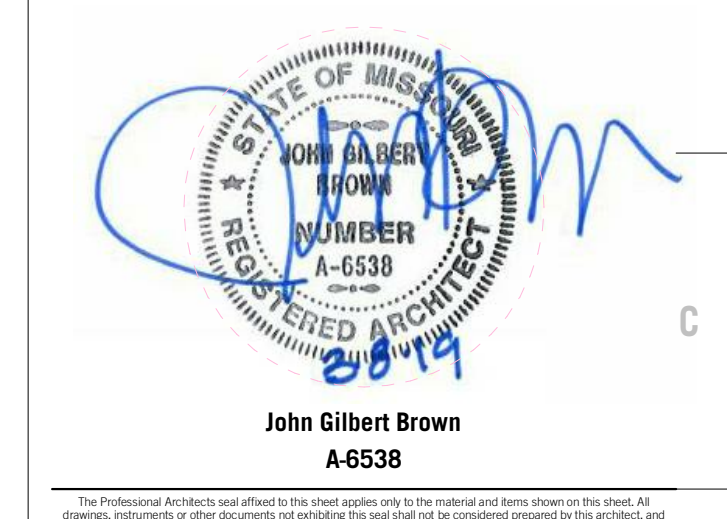
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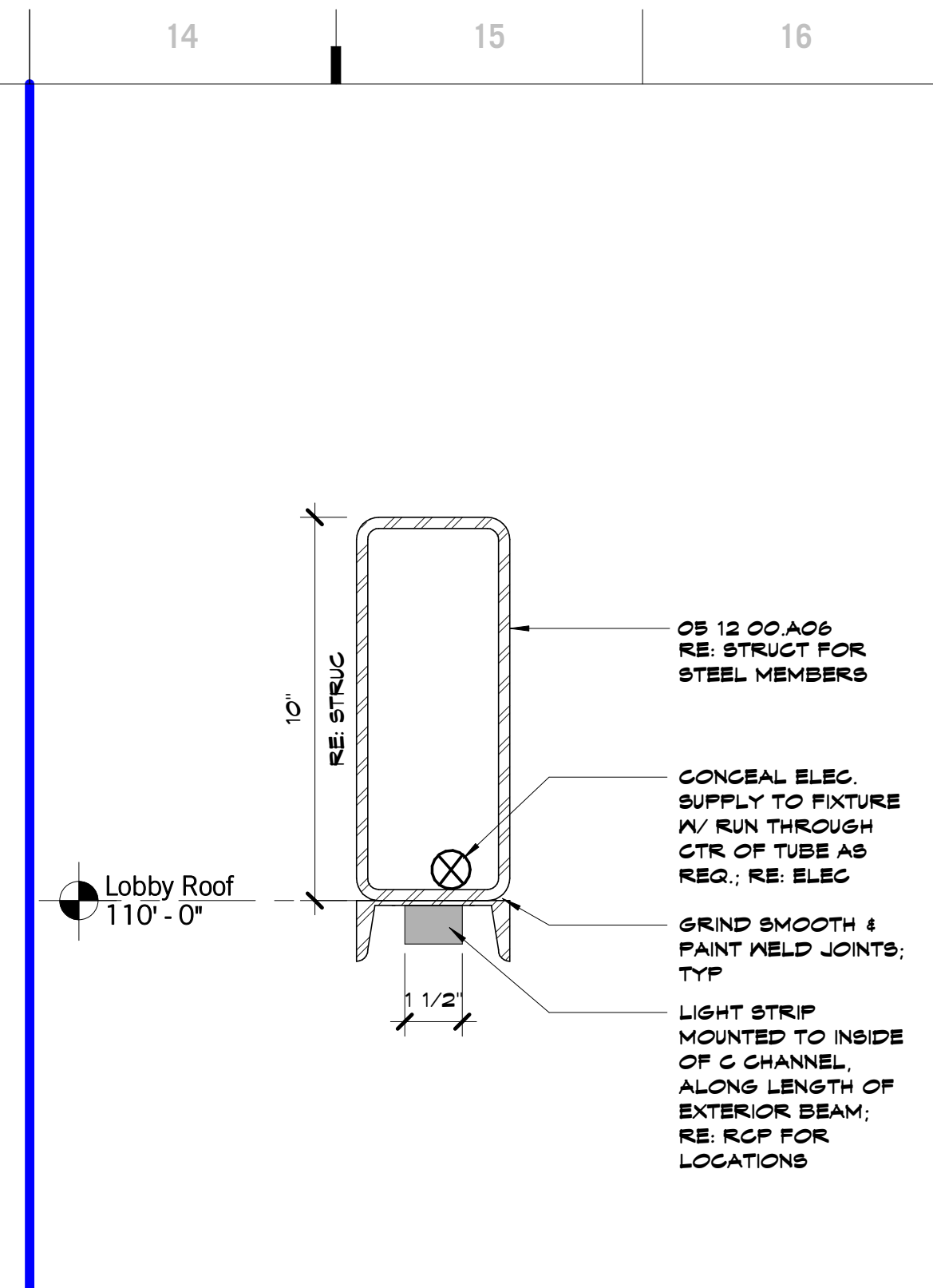
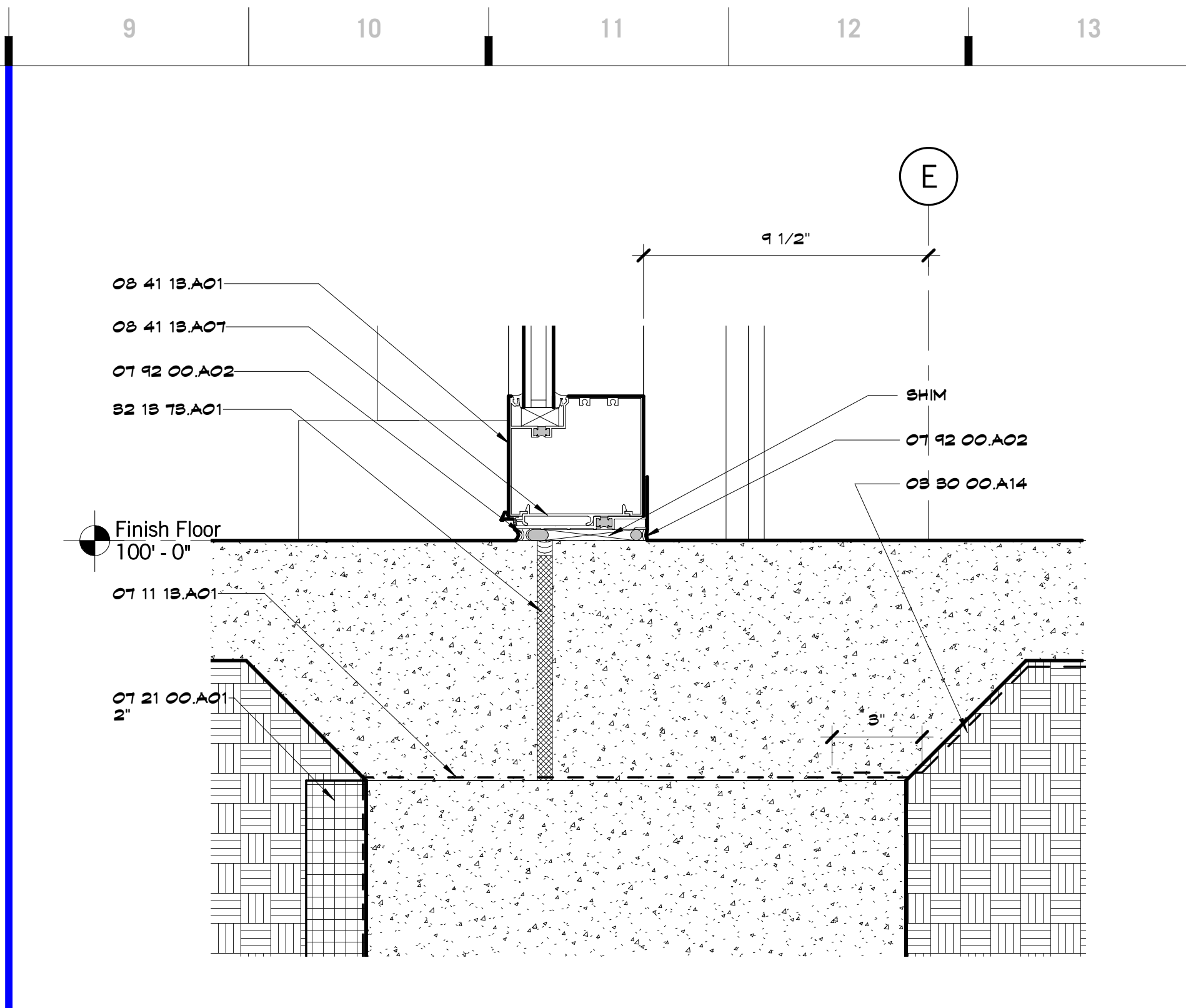
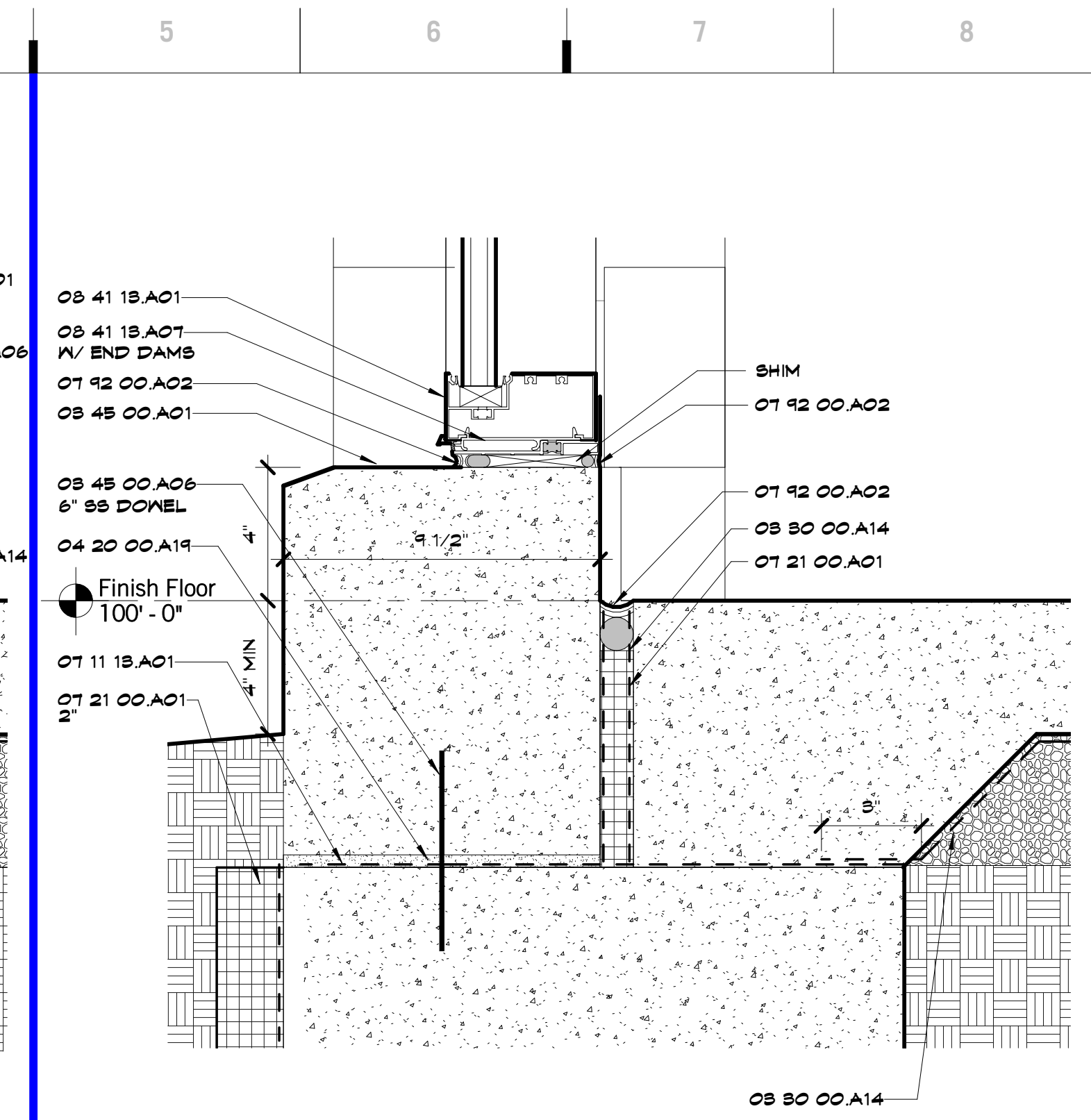
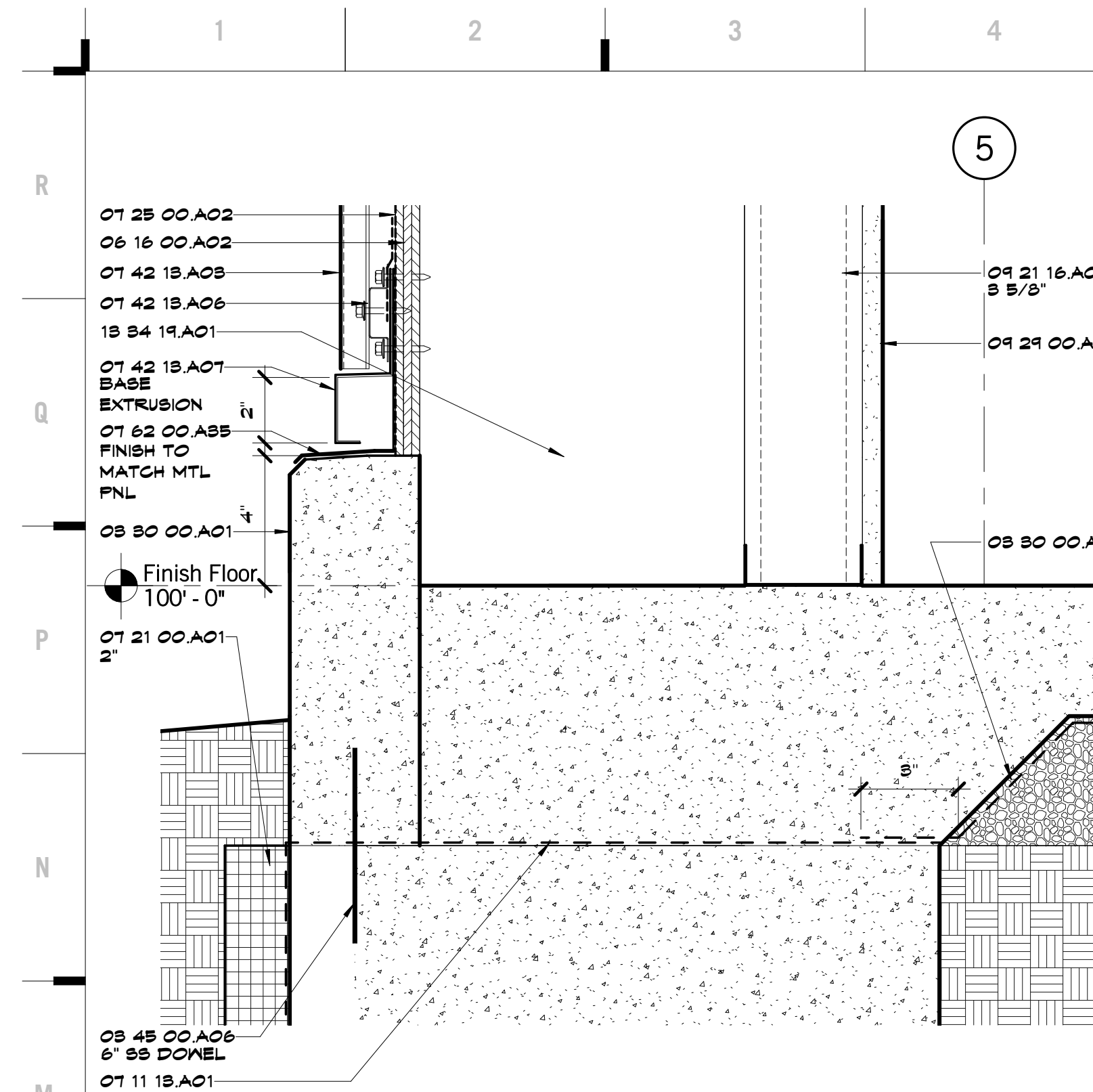
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A301



SHEET KEYNOTE LEGEND

08 80 00 A01	CAST-IN-PLACE CONCRETE
08 80 00 A14	VAPOR RETARDERS
08 48 00 A01	ARCHITECTURAL PRECAST CONCRETE UNITS
08 48 00 A06	REINFORCING BARS
04 20 00 A19	MORTAR
08 12 00 A05	CHANNEL
08 12 00 A06	FLATE
08 12 00 A06	COLD-FORMED HSS
08 10 00 A01	DECORATIVE METAL
08 18 00 A02	FIRE-RETARDANT TREATED PLYWOOD
06 40 28 A21	DISPLAY CASE SHELVING SYSTEM
07 11 18 A01	DAMP-PROOFING
07 21 00 A01	EXTRUDED POLYSTYRENE BOARD INSULATION
07 28 00 A02	SELF-ADHERING WEATHER BARRIERS
07 42 18 A08	CONCEALED FASTENER METAL WALL PANELS
07 42 18 A06	METAL SUBFRAMING
07 42 18 A07	FLASHING AND TRIM
07 42 00 A88	SEALANT W/BACKER ROD
08 41 18 A01	STOREFRONT FRAMING (THERMAL BROKEN)
08 41 18 A01	ALUMINUM SUBSILL
08 21 18 A01	NON-STRUCTURAL FRAMING
08 24 00 A06	MOLD AND MOISTURE RESISTANT GYPSUM BOARD
18 84 19 A01	METAL BUILDING SYSTEM
82 18 78 A01	EXPANSION/ISOLATION JOINT W/SEALANT

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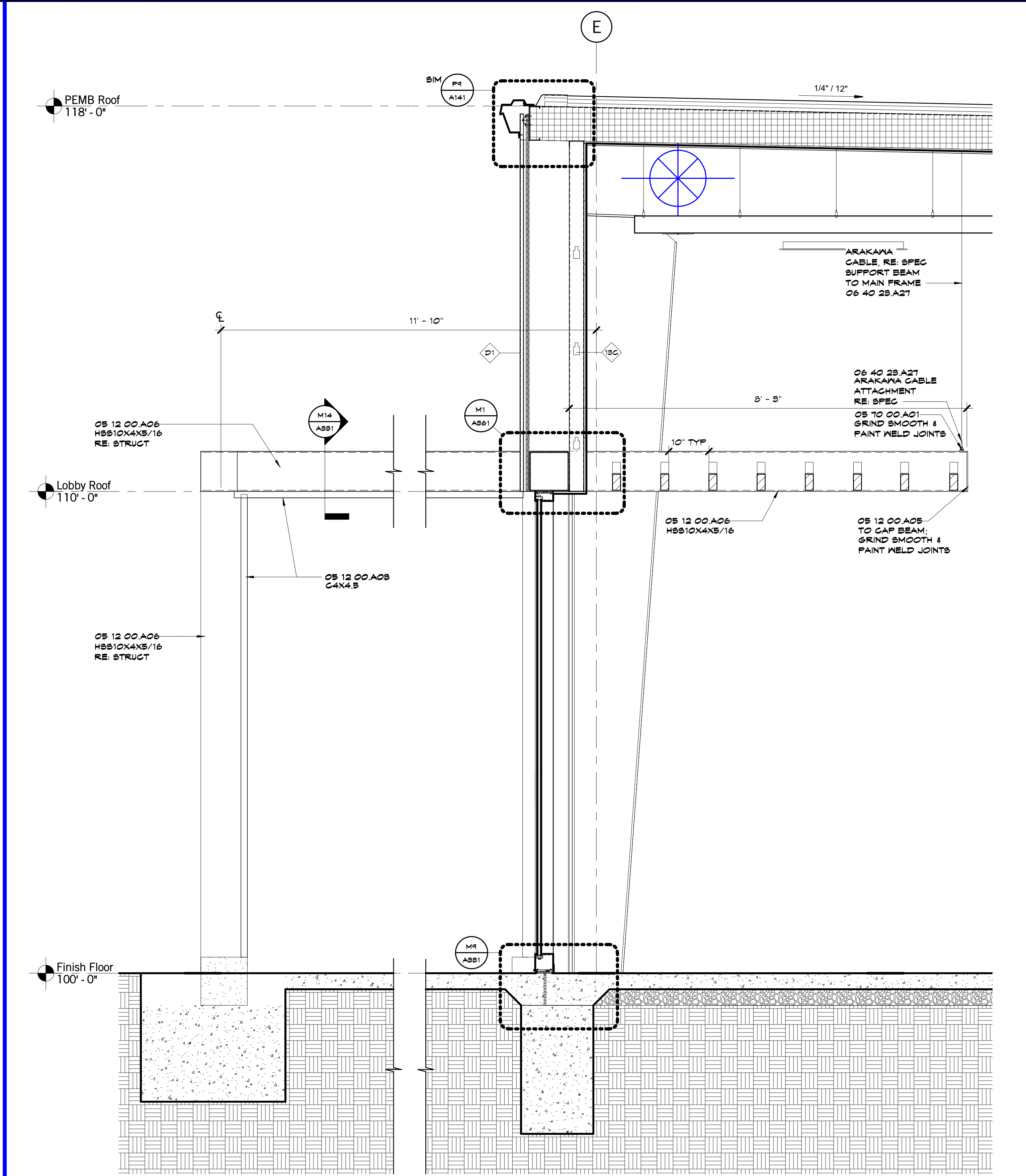
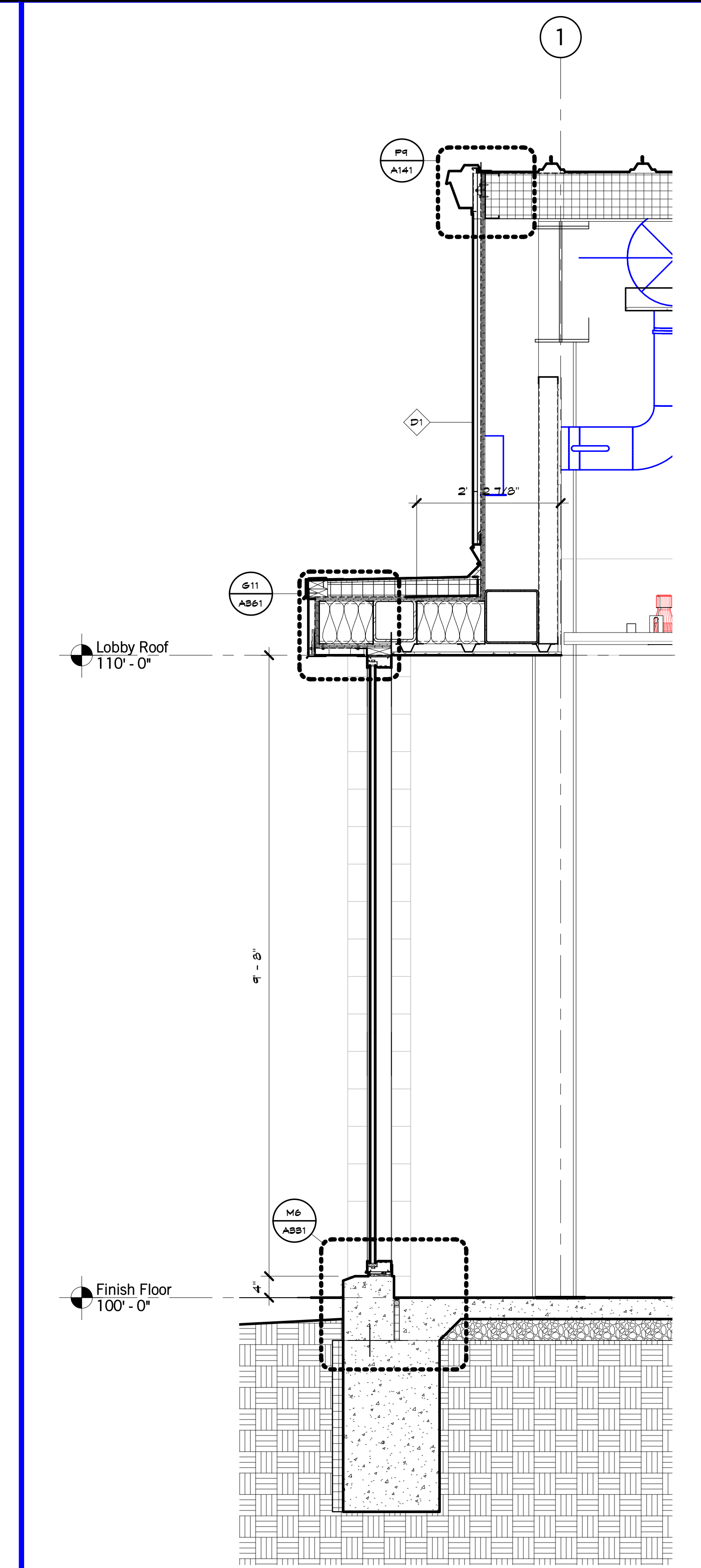
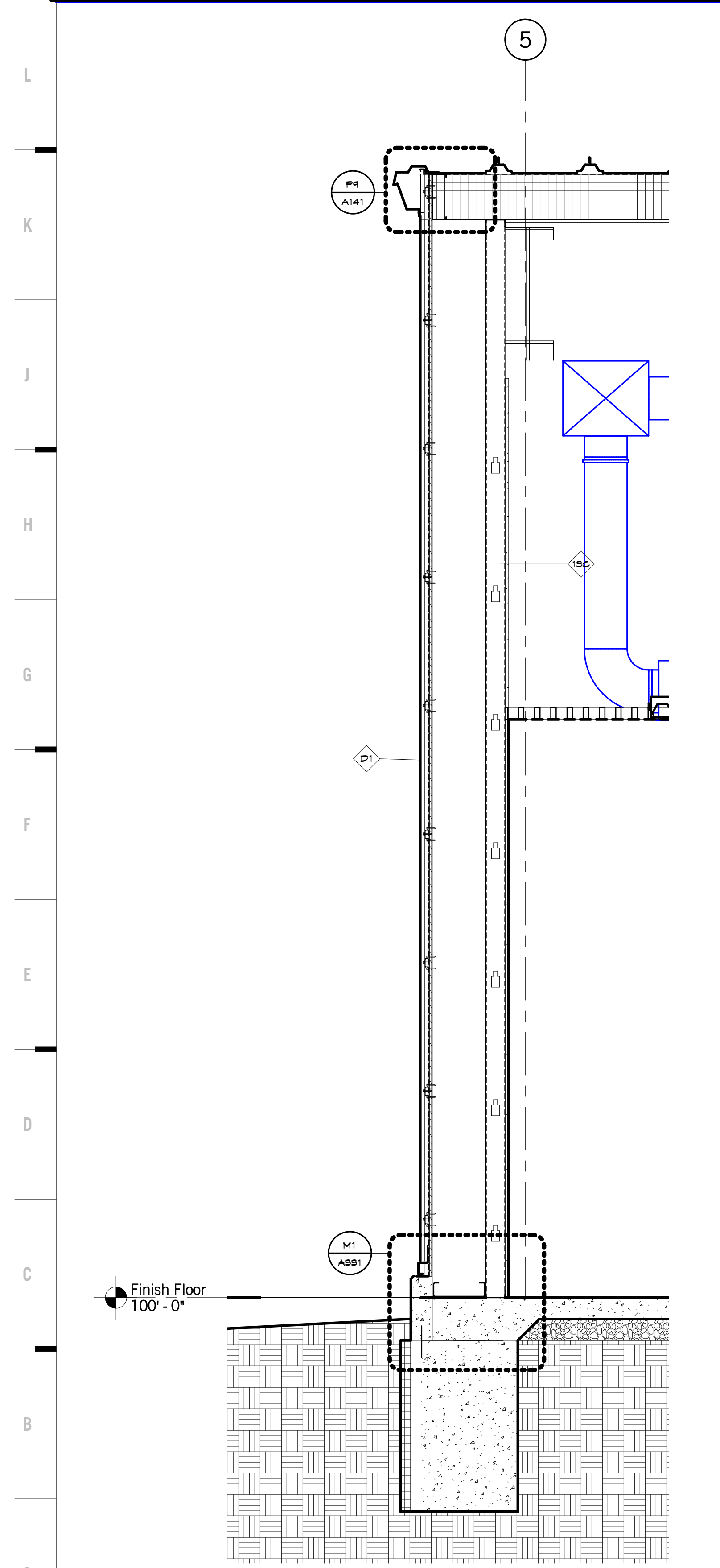
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M1 Scale 3/4" = 1'-0" Detail - Base of Wall - Typ

M6 Scale 3/4" = 1'-0" Detail - Base of Wall @ Storefront

M9 Scale 3/4" = 1'-0" Detail - Base of Wall @ Storefront - Entry

M14 Scale 3/4" = 1'-0" Detail - Entry Beam - Typ



A1 Scale 3/4" = 1'-0" Wall Section - West

A5 Scale 3/4" = 1'-0" Wall Section - Exterior West Buildout

A9 Scale 3/4" = 1'-0" Wall Section - Exterior North @ Canopy

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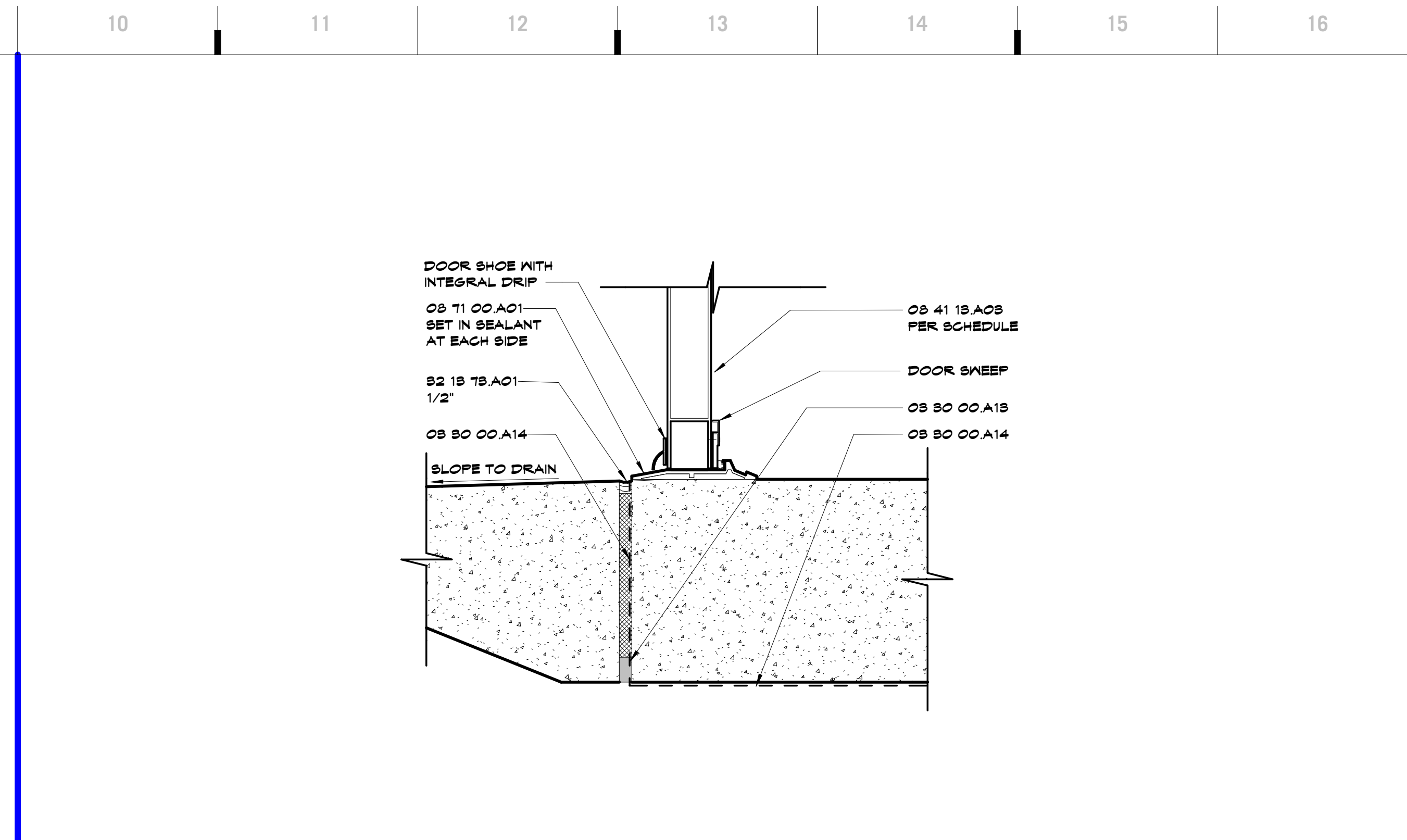
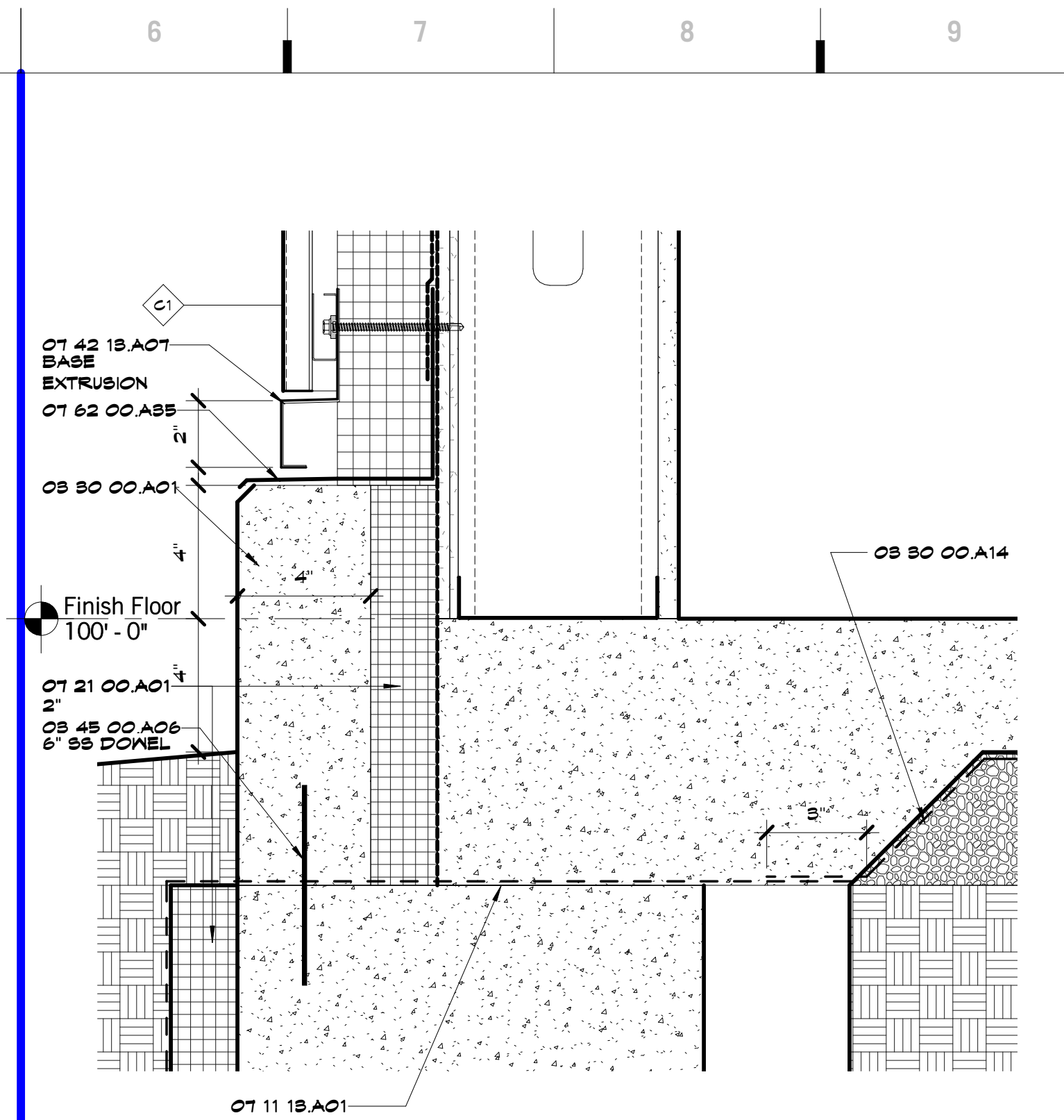
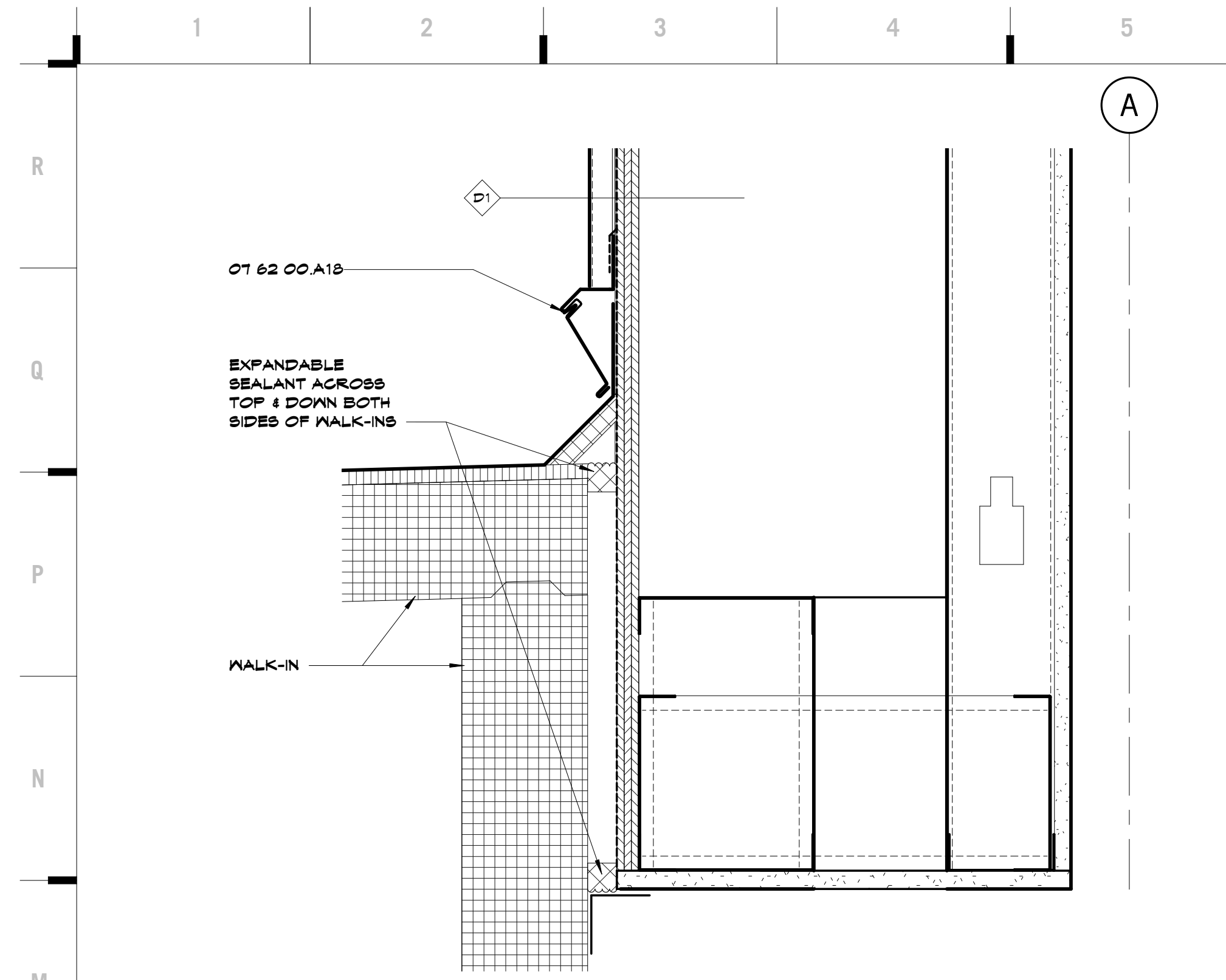
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SHEET KEYNOTE LEGEND

- OS 80 00 A01 CAST-IN-PLACE CONCRETE
- OS 80 00 A18 WATERSTOP
- OS 80 00 A14 VAPOR RETARDERS
- OS 45 00 A06 REINFORCING BARS
- OS 40 00 A01 GOLD-FORMED METAL FRAMING
- OS 10 00 A12 PRESERVATIVE TREATED WOOD
- OT 11 18 A01 SLOTTING/NAILERS
- OT 11 18 A01 DAMPROOFING
- OT 21 00 A01 EXTRUDED POLYSTYRENE BOARD INSULATION
- OT 42 18 A01 FLASHING AND TRIM
- OT 62 00 A18 COUNTER FLASHING
- OT 62 00 A88 PRE-FINISHED MISC METAL FLASHING
- OS 41 18 A08 ALUMINUM DOOR
- OS 71 00 A01 THRESHOLDS
- S2 18 18 A01 EXPANSION/ISOLATION JOINT W/SEALANT

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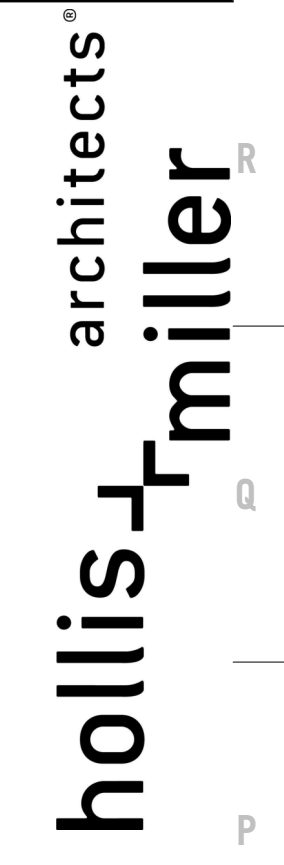
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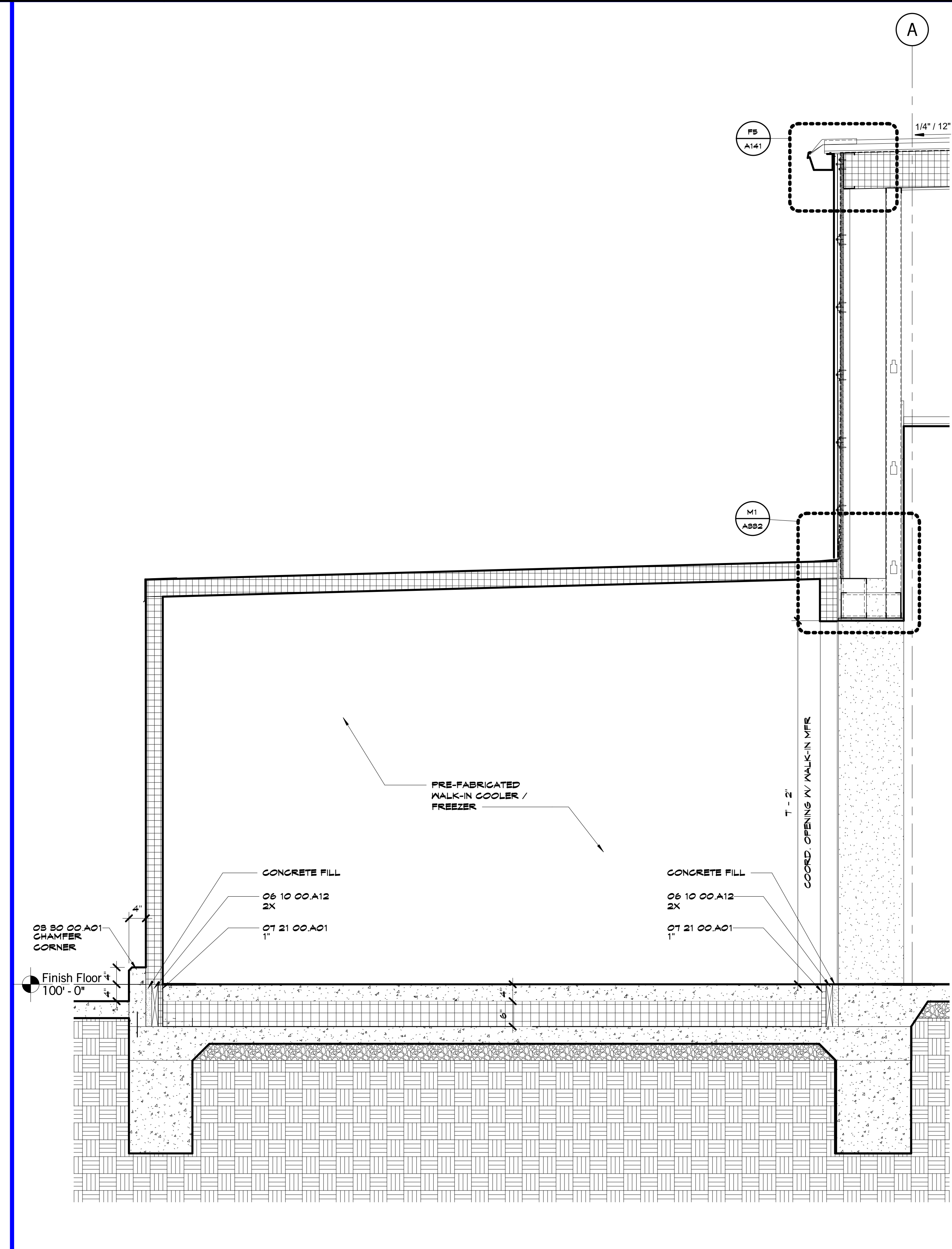
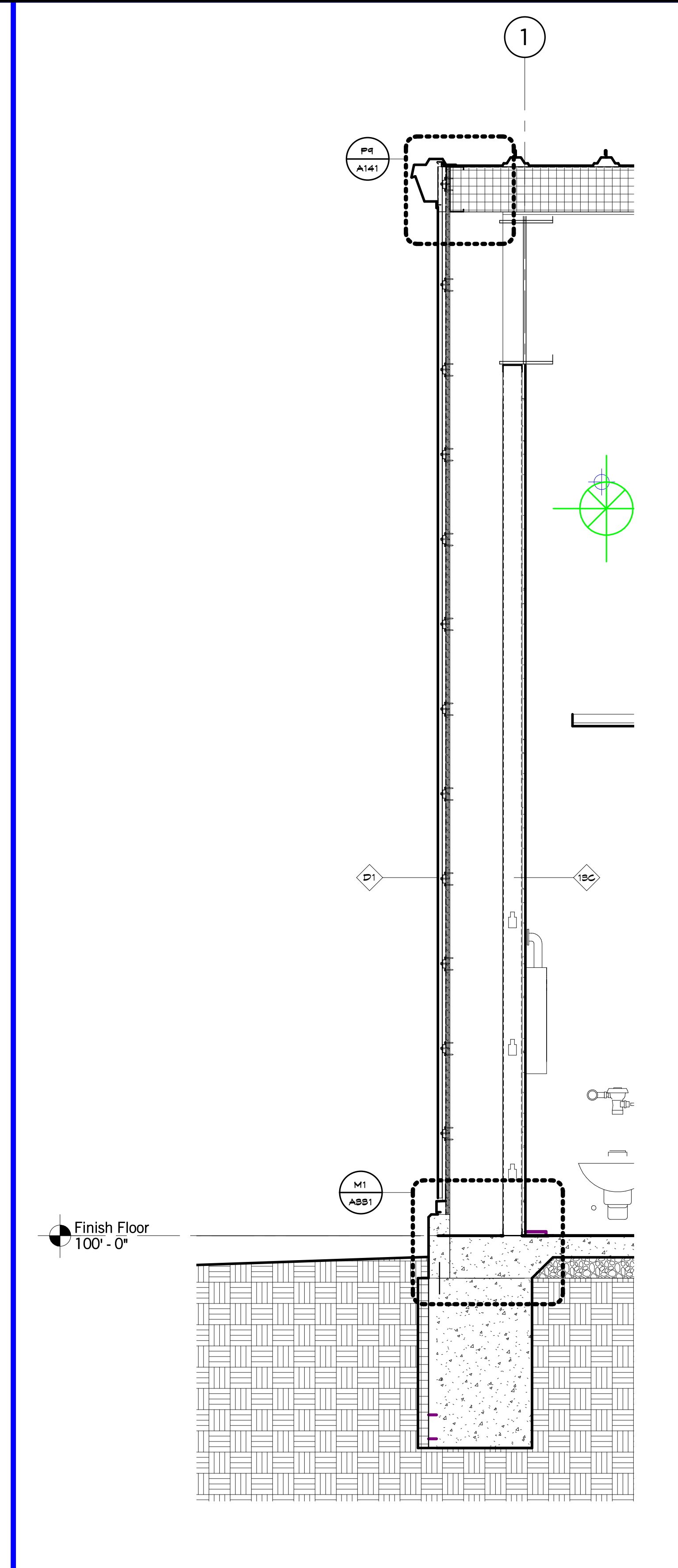
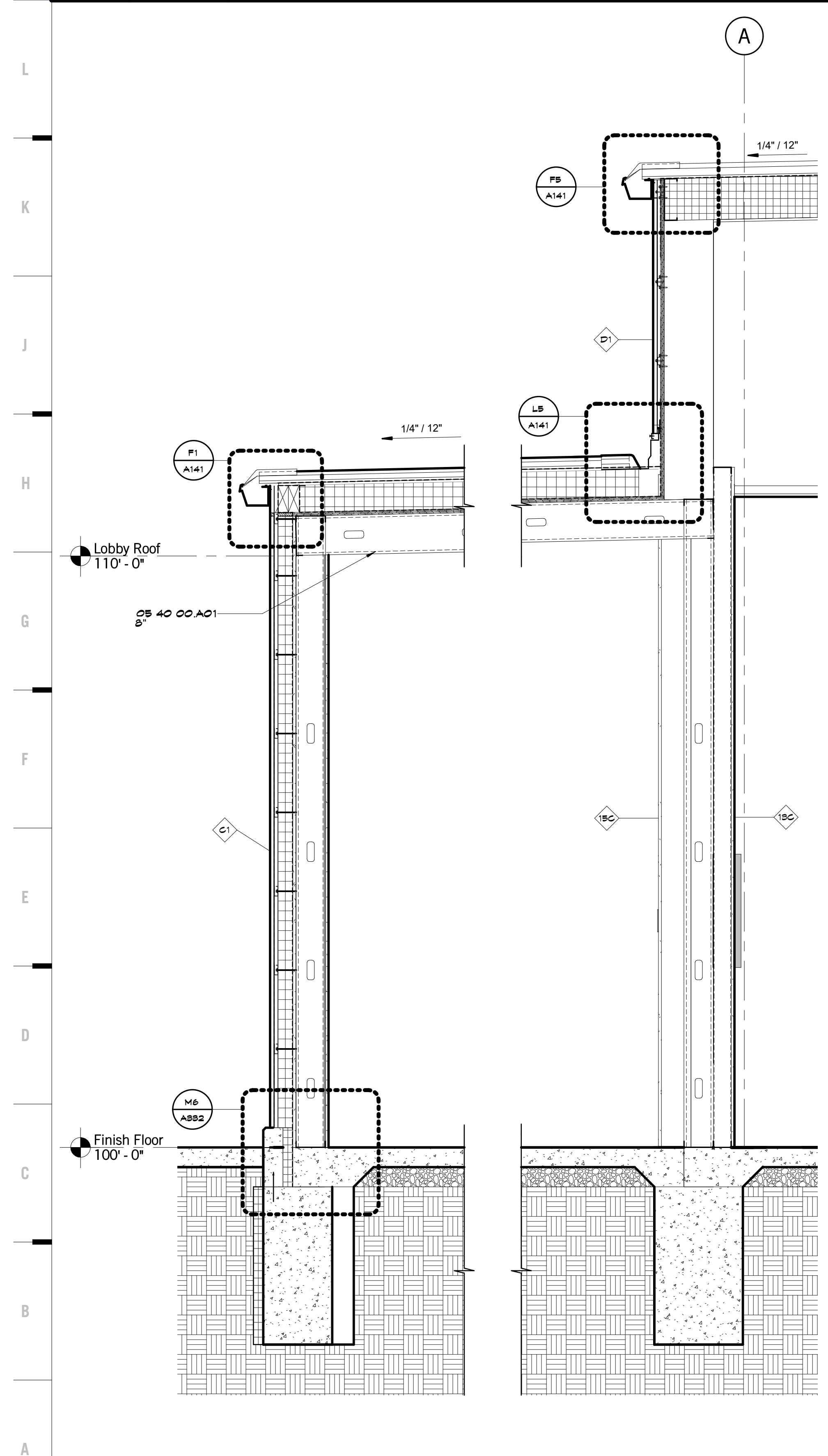
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M1 Scale 3" = 1'-0" Detail - Flashing @ Walk-Ins

M6 Scale 3" = 1'-0" Detail - Base of Wall at Mtl Pnl/Mtl Std

M10 Scale 3" = 1'-0" Threshold @ Exterior Door



A1 Scale 3/4" = 1'-0" Wall Section - Exterior South @ Dry Storage

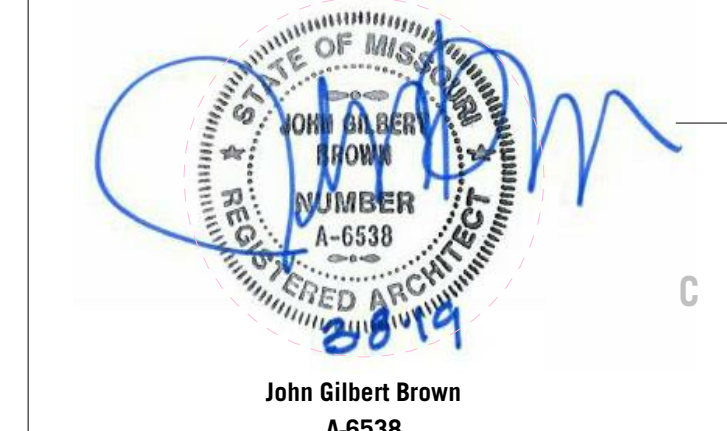
A6 Scale 3/4" = 1'-0" Wall Section - Exterior West

A10 Scale 3/4" = 1'-0" Wall Section - Exterior South

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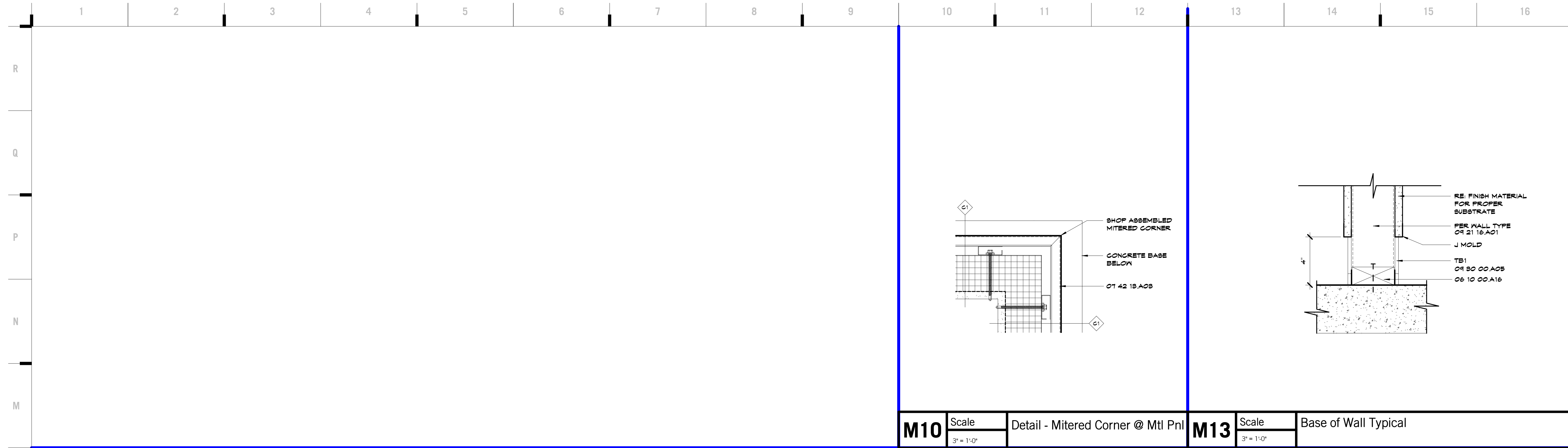
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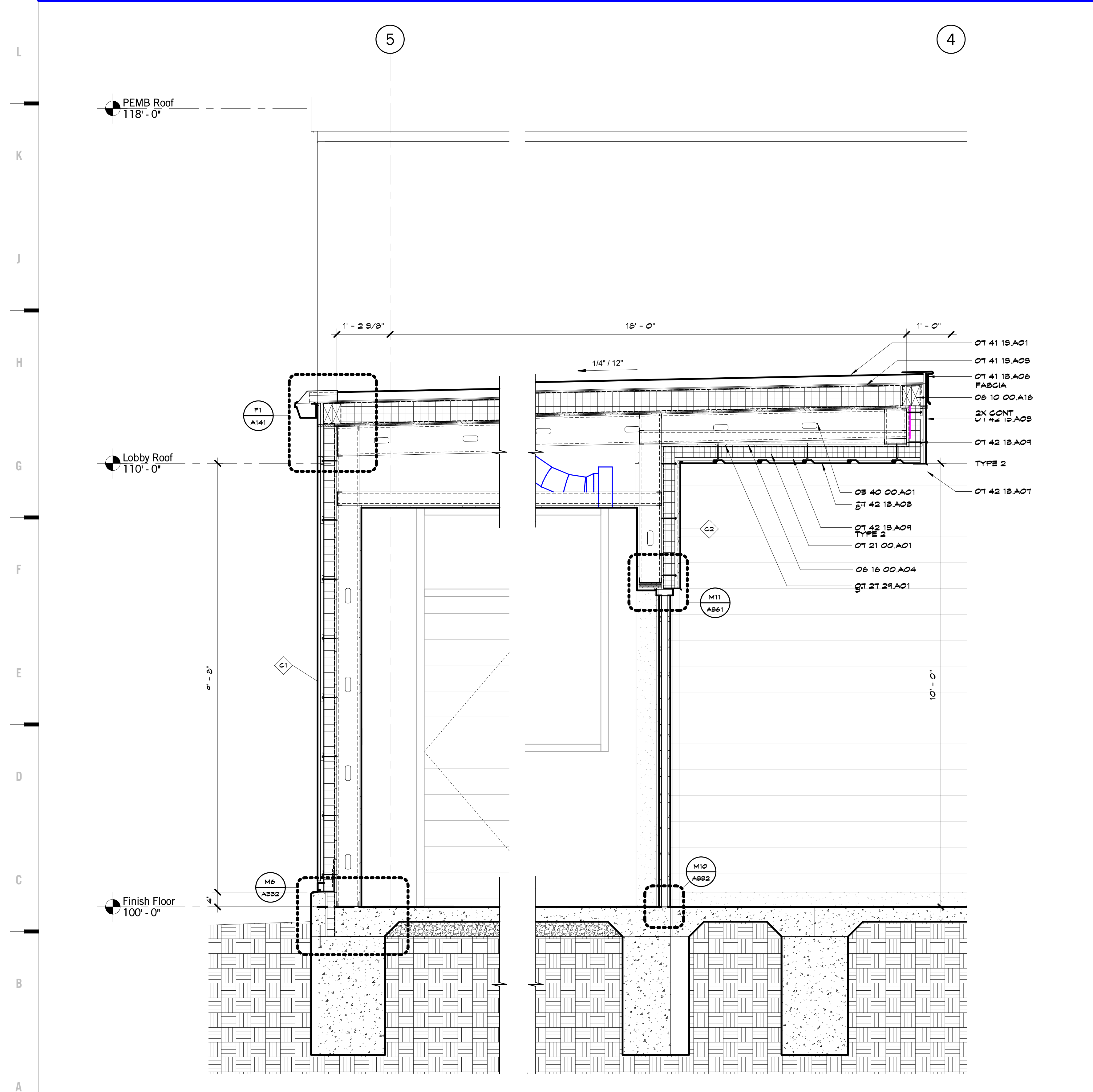


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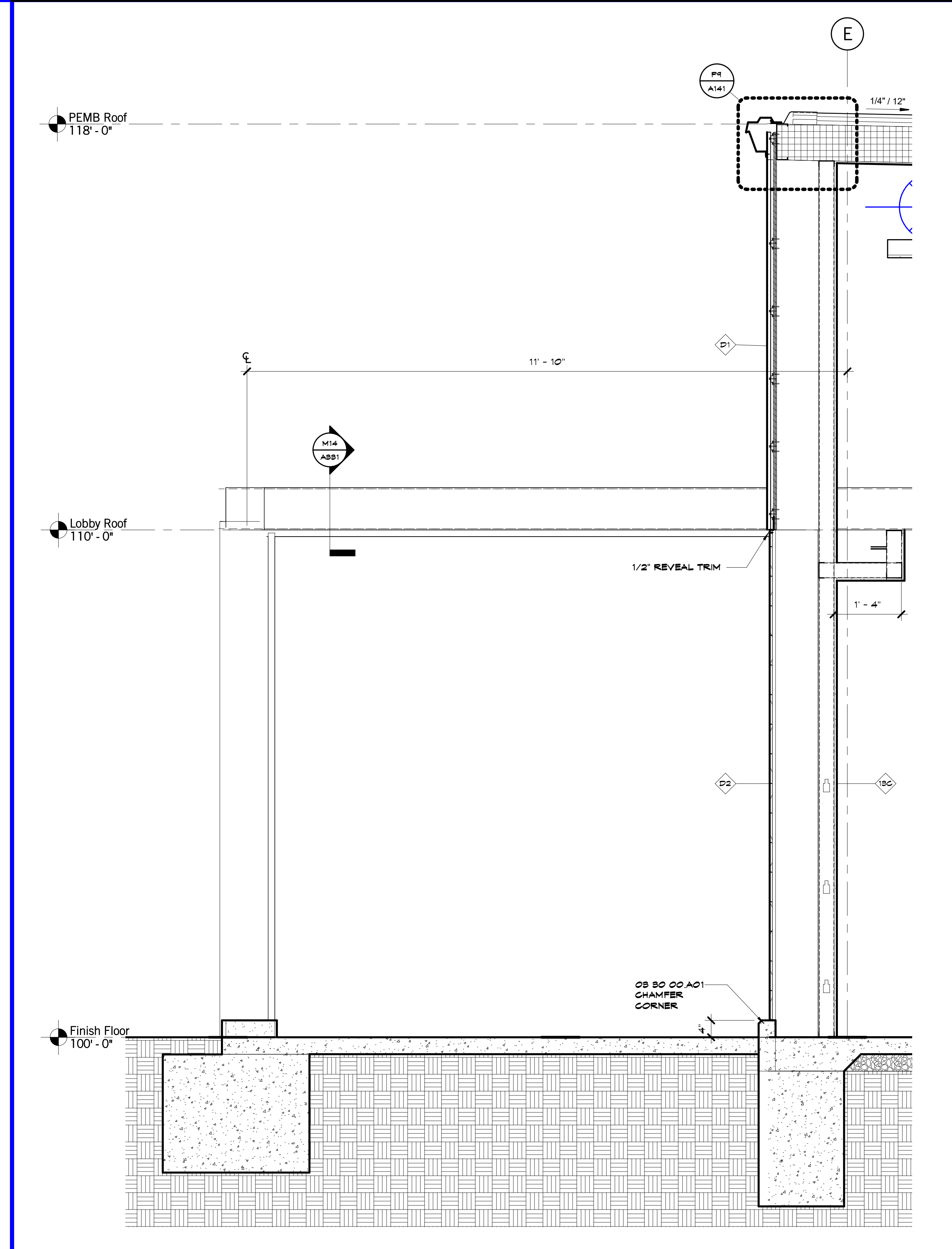
A332



M10	Scale	Detail - Mitered Corner @ Mtl Pnl	M13	Scale	Base of Wall Typical
	3/4" = 1'-0"			3/4" = 1'-0"	



A1	Scale	Wall Section - East @ Vestibule
	3/4" = 1'-0"	



A10	Scale	Wall Section - North @ Canopy Opening
	3/4" = 1'-0"	

SHEET KEYNOTE LEGEND

- 05 30 00 A01 CAST-IN-PLACE CONCRETE
- 05 40 00 A01 COLD-FORMED METAL FRAMING
- 06 10 00 A16 FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS
- 06 16 00 A04 SLABS-MAT GYPSUM WALL SHEATHING
- 07 21 00 A01 EXTRUDED POLYSTYRENE BOARD INSULATION
- 07 27 24 A01 VAPOR RETARDING AIR BARRIER COATING
- 07 41 18 A01 METAL ROOF PANELS
- 07 41 18 A03 UNDERLAYMENT
- 07 41 18 A06 TRIM
- 07 42 18 A03 CONCEALED FASTENER METAL WALL PANELS
- 07 42 18 A07 FLASHING AND TRIM
- 07 42 18 A09 RAINSCREEN FURRING SYSTEM
- 08 21 16 A01 NON-STRUCTURAL FRAMING
- 08 30 00 A03 TILE BASE

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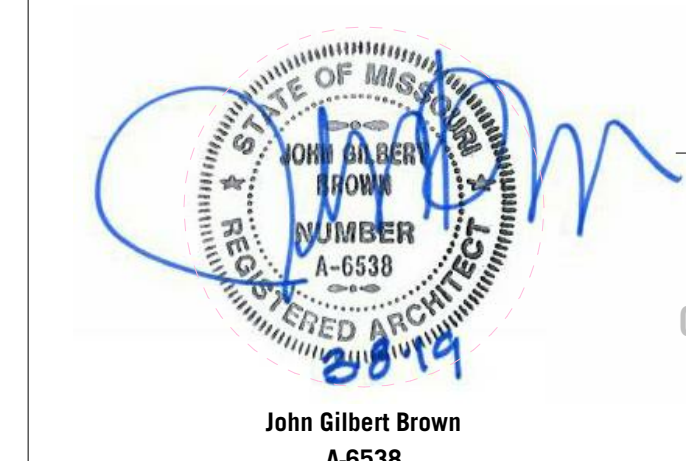
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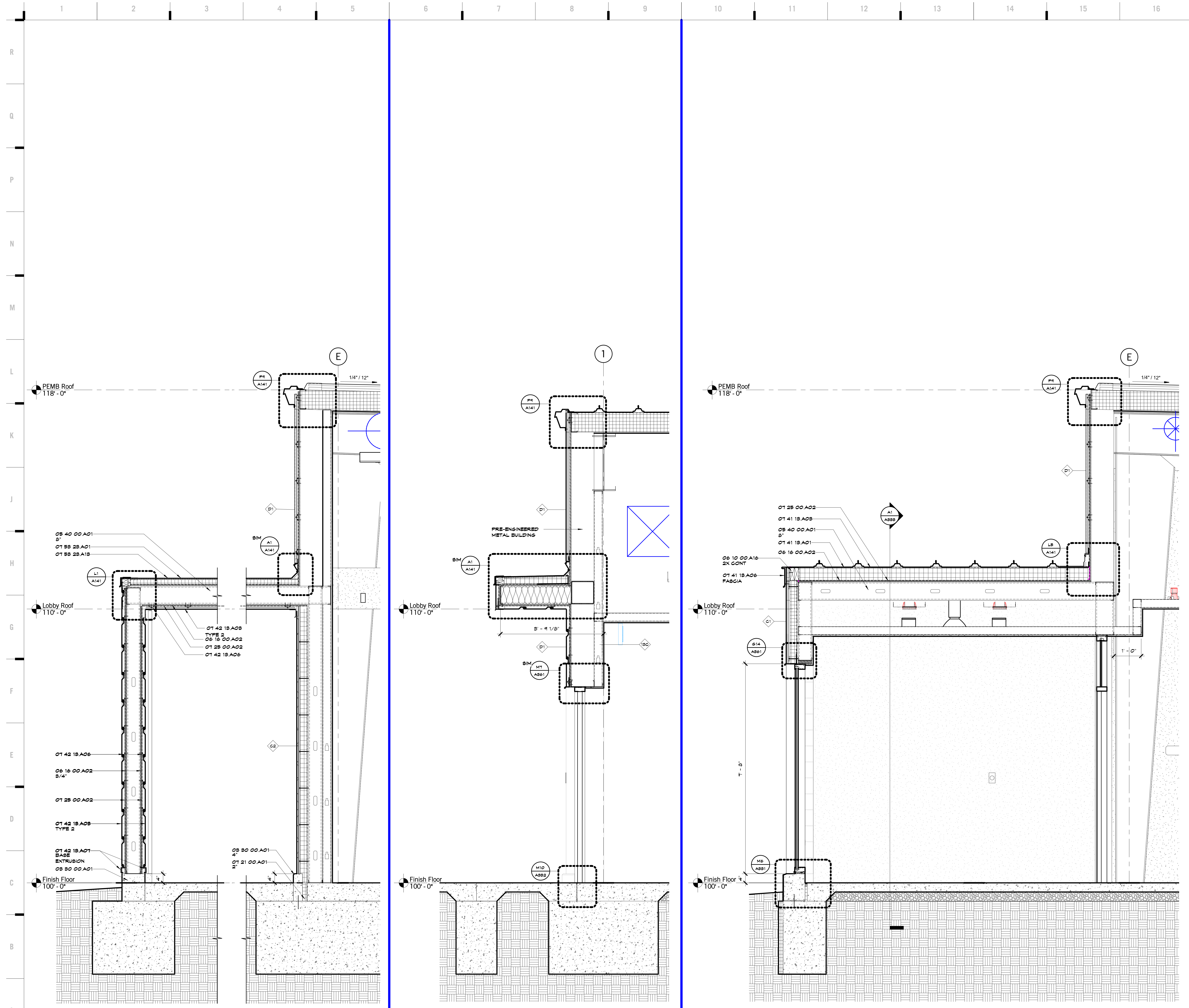
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SHEET KEYNOTE LEGEND

- 05 30 00 A01 CAST-IN-PLACE CONCRETE
- 05 40 00 A01 COLD-FORMED METAL FRAMING
- 06 10 00 A16 FIRE-RETARDANT TREATED KOOP BLOKING & NAILERS
- 06 16 00 A02 FIRE-RETARDANT TREATED PLYWOOD
- 07 21 00 A01 EXTRUDED POLYSTYRENE BOARD INSULATION
- 07 25 00 A02 SELF-ADHERING WEATHER BARRIERS
- 07 41 18 A01 METAL ROOF PANELS
- 07 41 18 A02 UNDERLAYMENT
- 07 41 18 A06 TRIM
- 07 42 18 A05 CONCEALED FASTENER METAL WALL PANELS
- 07 42 18 A06 METAL SUBFRAMING
- 07 42 18 A07 FLASHING AND TRIM
- 07 55 25 A01 ADHERED EPDM ROOFING SYSTEM
- 07 55 25 A15 COVERBOARD

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 Structure # 23061133

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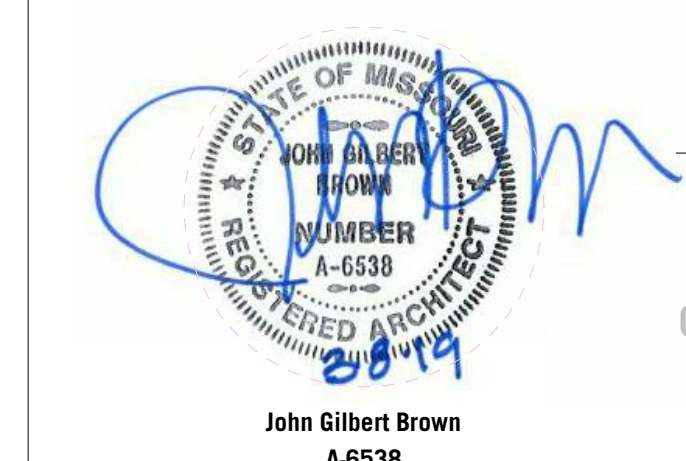
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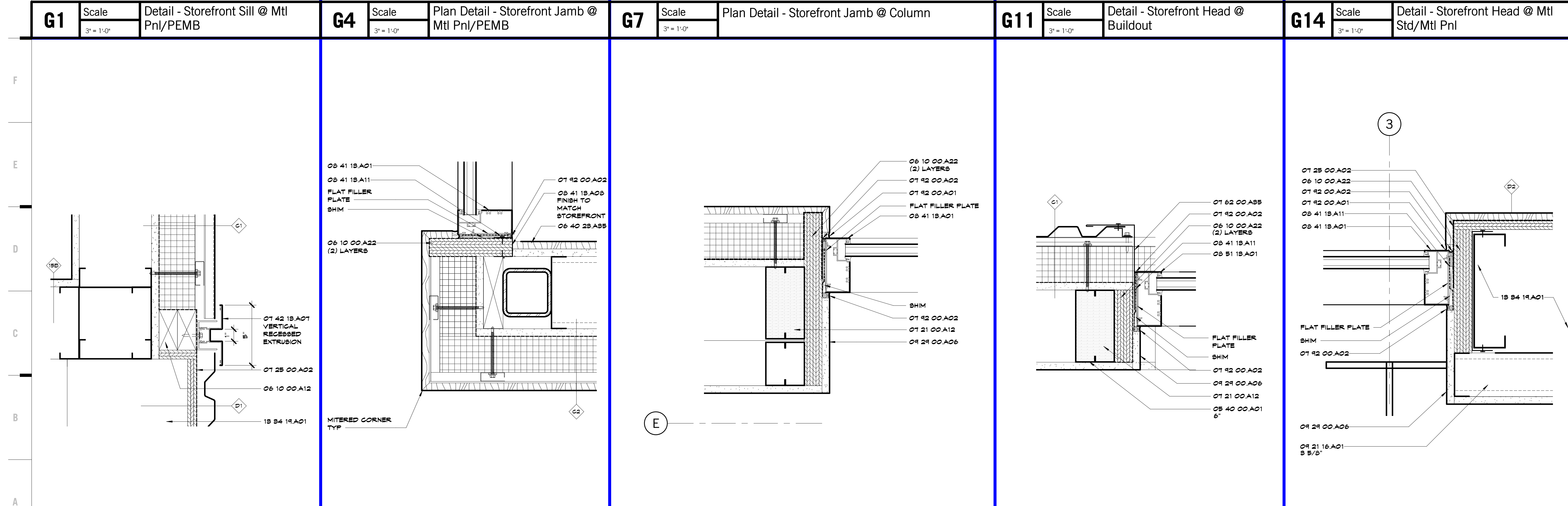
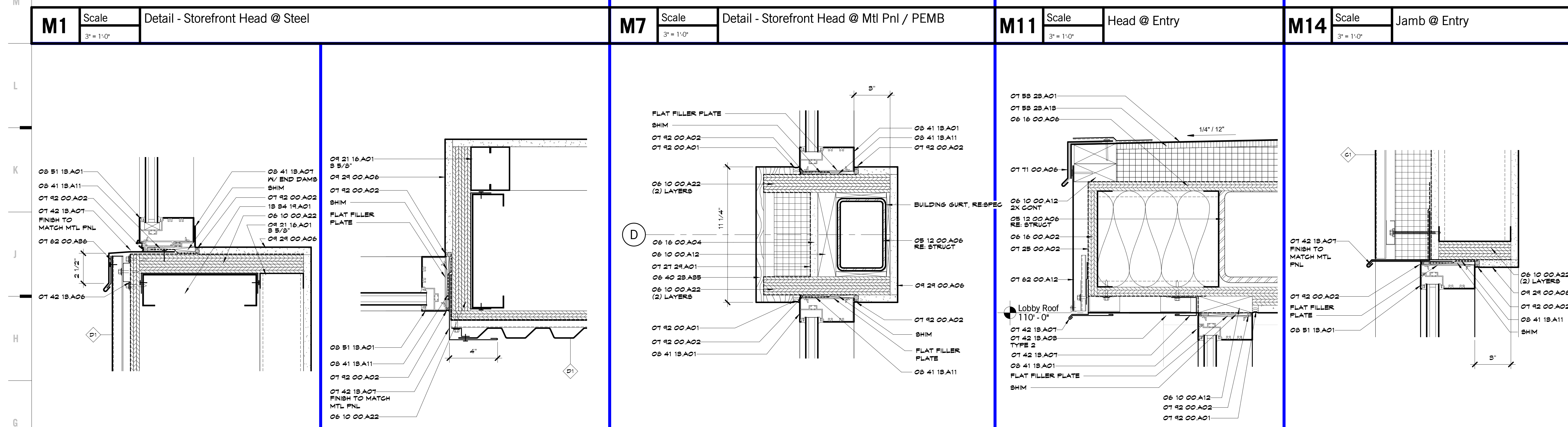
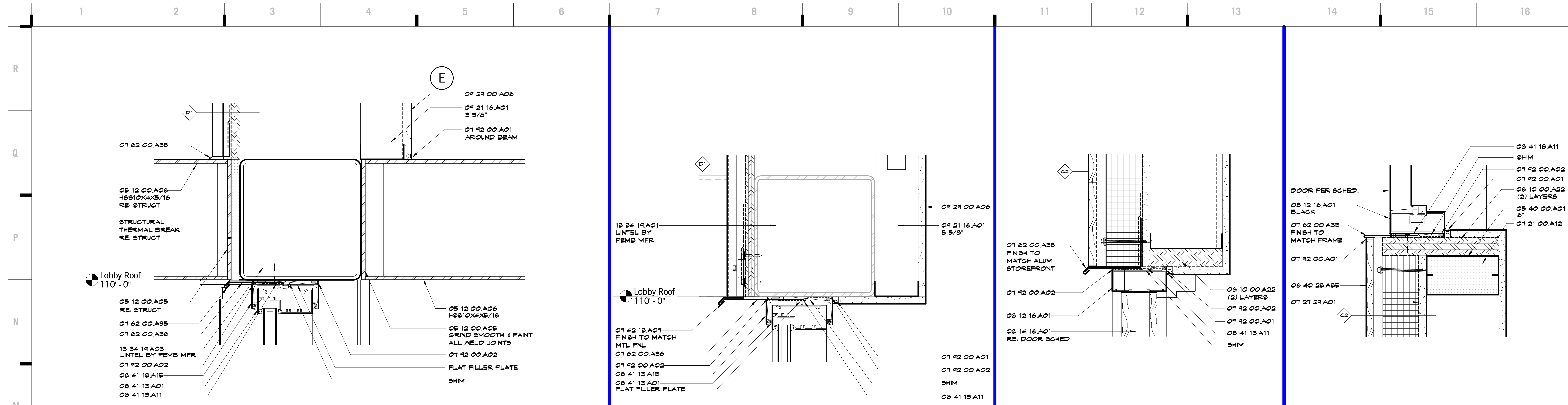
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 A-6538

JOB NO: 17048
 DRAWN BY: HD
 CHECKED BY: SB
 DATE: 03.08.2019

A334



SHEET KEYNOTE LEGEND

- 05 12 00 A05 PLATE
- 05 12 00 A06 GOLD-FORMED HSS
- 05 40 00 A01 GOLD-FORMED METAL FRAMING
- 06 10 00 A12 PRESERVATIVE TREATED WOOD BLOCKING/NAILERS
- 06 10 00 A22 PRESERVATIVE TREATED FLYWOOD BLOCKING
- 06 16 00 A02 FIRE-RETARDANT TREATED FLYWOOD
- 06 16 00 A04 GLASS-MAT GYPSUM WALL SHEATHING
- 06 16 00 A06 ROOF SHEATHING
- 06 40 25 A55 RECLAIMED WOOD
- 01 21 00 A12 SPRAY-IN FOAM INSULATION
- 01 25 00 A02 SELF-ADHERING WEATHER BARRIERS
- 01 21 24 A01 VAPOR RETARDING AIR BARRIER COATING
- 01 42 15 A05 CONCRETE FASTENER METAL WALL PANELS
- 01 42 15 A06 METAL SUBFRAMING
- 01 42 15 A07 FLASHING AND TRIM
- 01 55 25 A01 ADHERED EPDM ROOFING SYSTEM
- 01 55 25 A15 COVERBOARD
- 01 62 00 A12 FASCIA CAP
- 01 62 00 A05 PRE-FINISHED MISC METAL FLASHING
- 01 62 00 A06 GLEAT
- 01 11 00 A05 GRAVEL STOP EDGING
- 01 92 00 A01 SEALANT
- 01 92 00 A02 SEALANT W/BACKER ROD
- 05 12 16 A01 ALUMINUM DOOR FRAME
- 05 14 16 A01 SOLID CORE FLUSH WOOD DOORS
- 05 41 15 A01 STOREFRONT FRAMING (THERMAL BROKEN)
- 05 41 15 A02 ALUMINUM BUBBILL
- 05 41 15 A03 ALUMINUM GLOBE FLASHING
- 05 41 15 A04 JAMB CLOSURE MEMBRANE
- 05 41 15 A05 ALUMINUM RECEPTOR
- 05 41 15 A06 FIXED ALUMINUM WINDOW PREMANUFACTURED
- 05 21 16 A01 NON-STRUCTURAL FRAMING
- 04 04 00 A05 MOIST AND MOISTURE RESISTANT GYPSUM BOARD
- 15 24 15 A01 METAL BUILDING SYSTEM
- 15 24 15 A02 STRUCTURAL STEEL FRAMING

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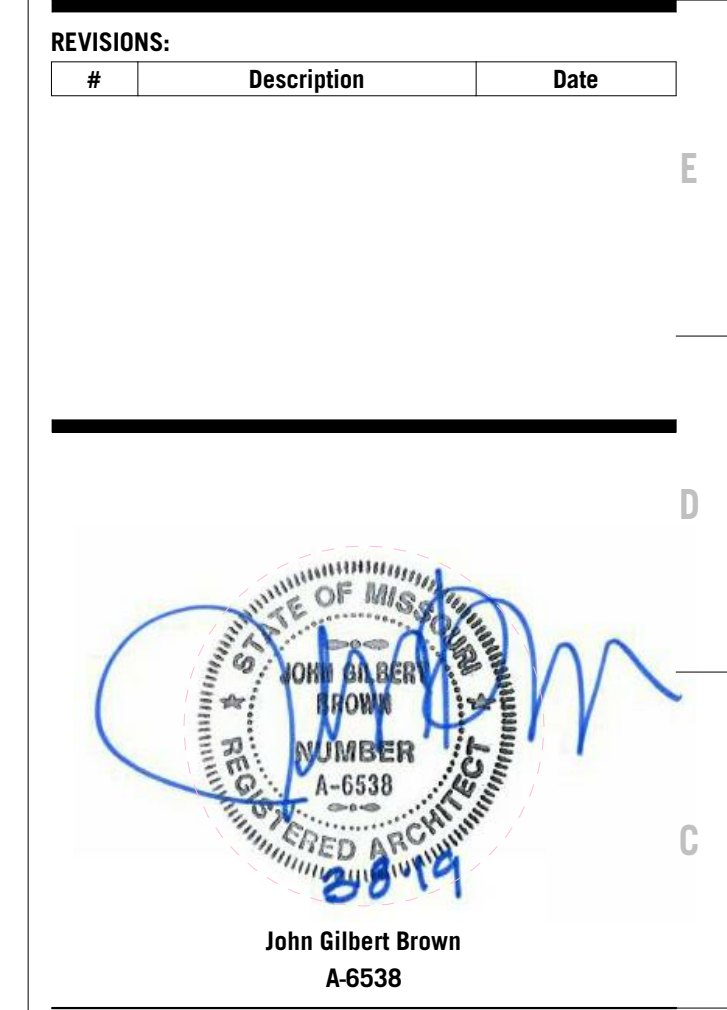
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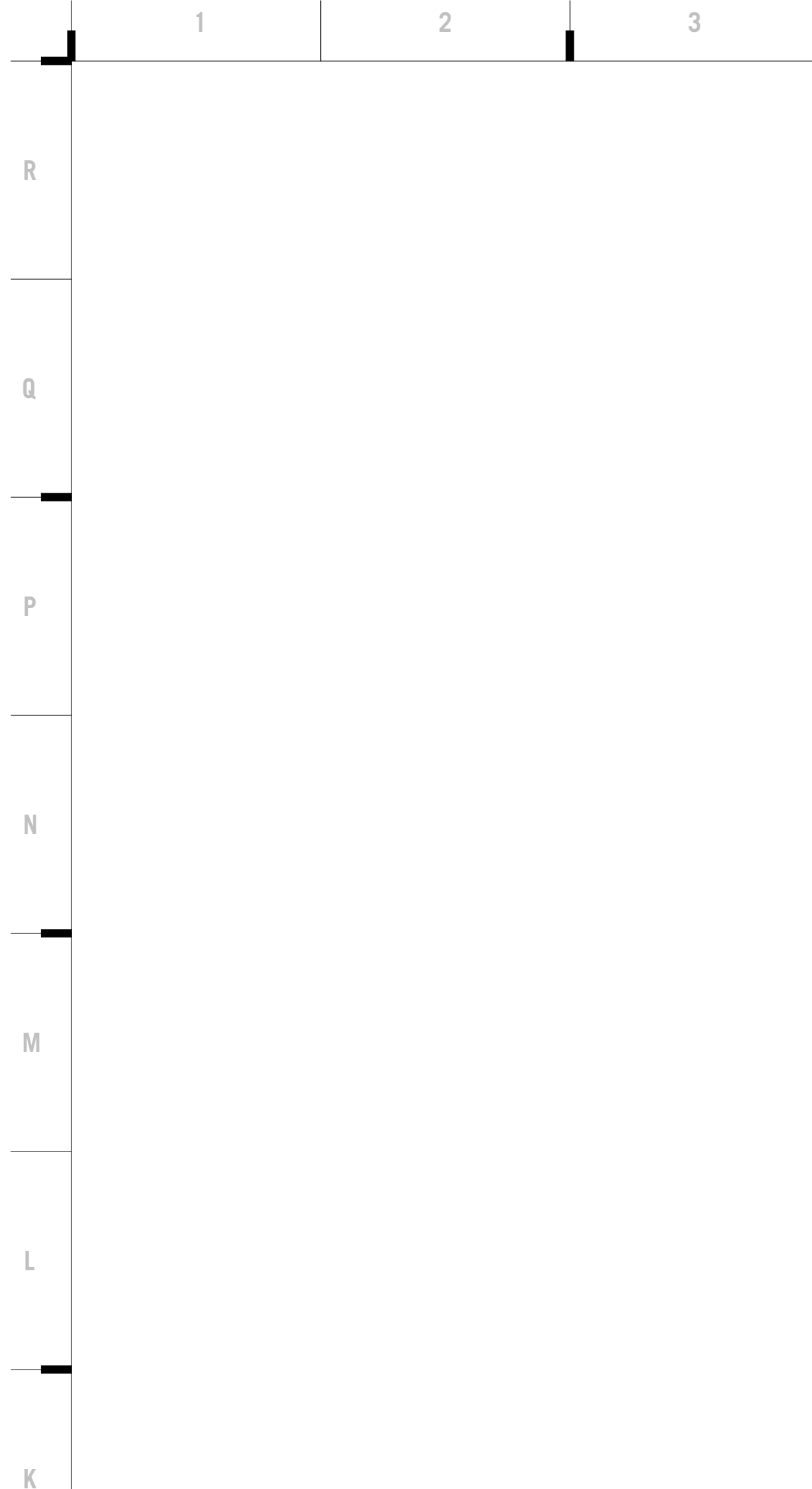
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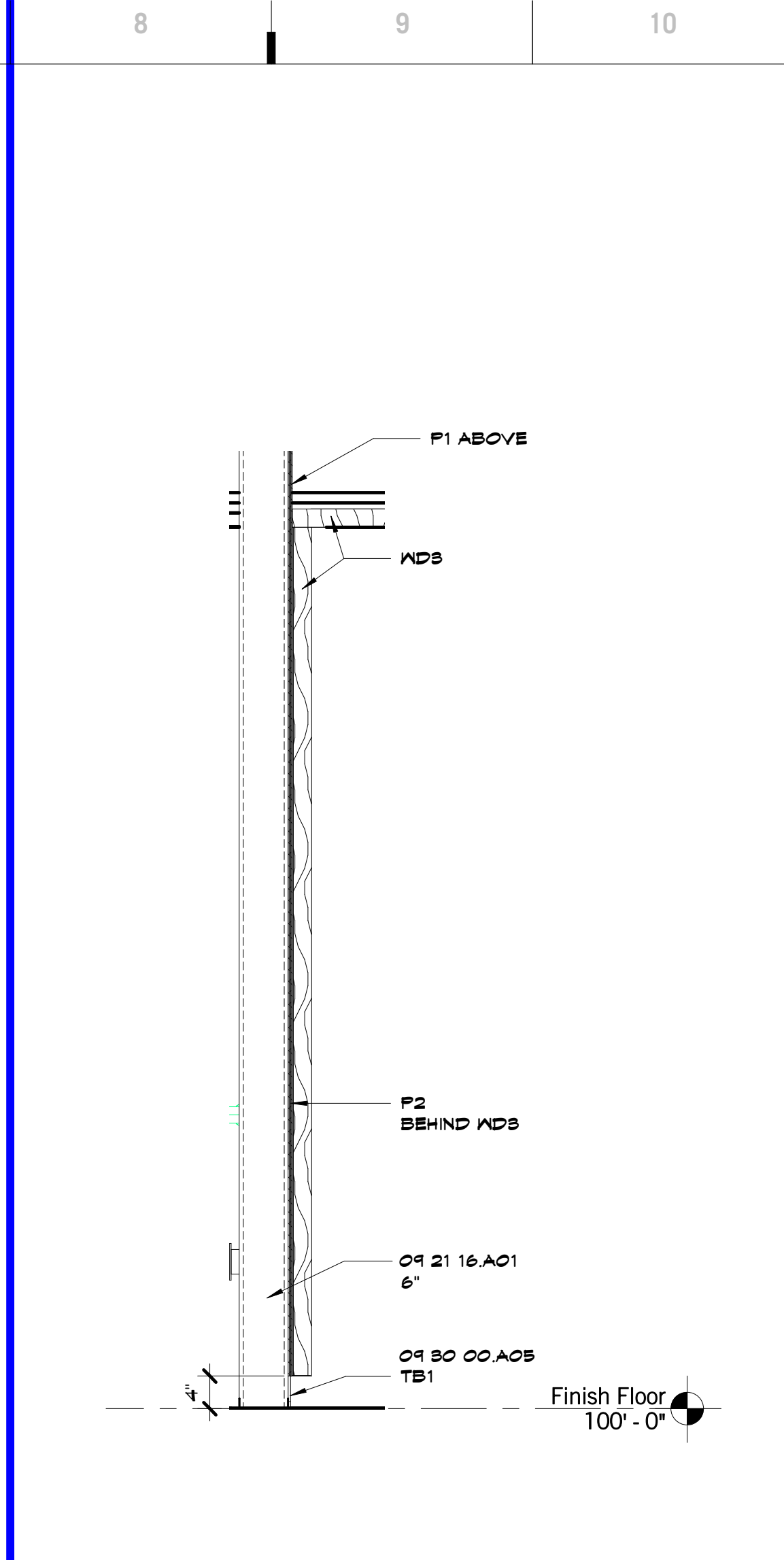


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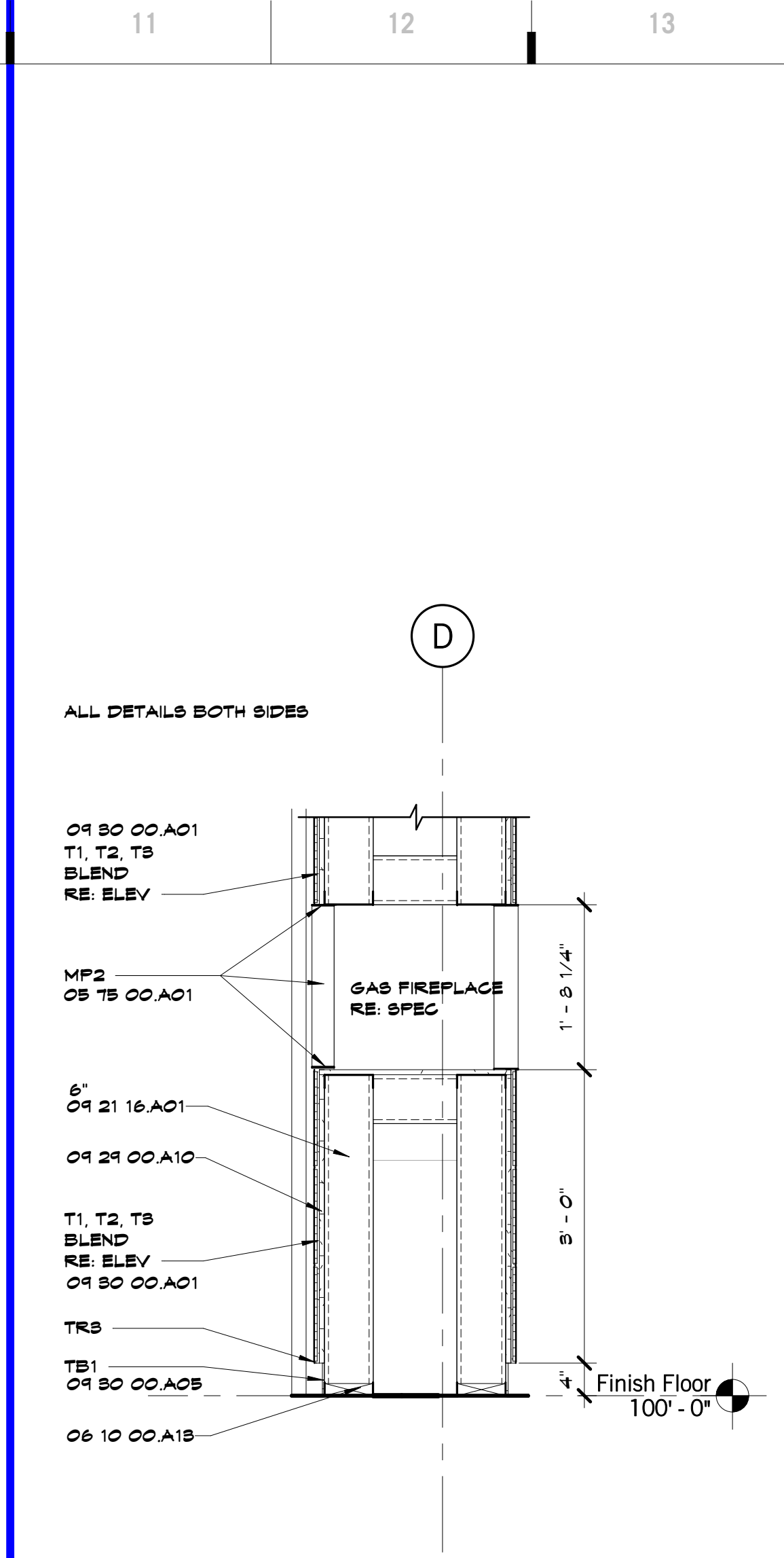
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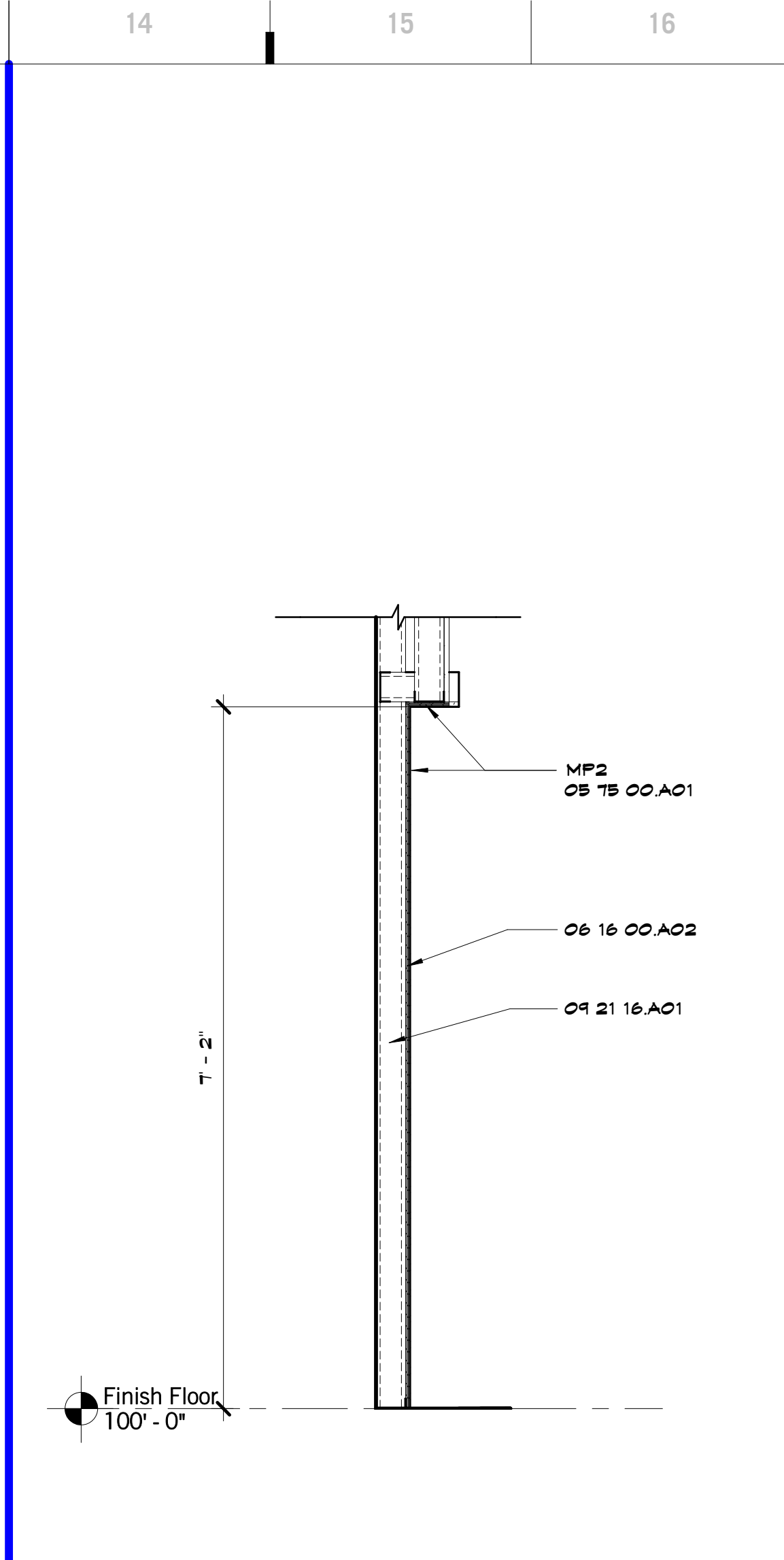
K4 Scale 3/4" = 1'-0" Section @ Pizza Oven



K8 Scale 3/4" = 1'-0" Section @ Chef's Table Art Display



K11 Scale 3/4" = 1'-0" Section @ Gase Fireplace



K14 Scale 3/4" = 1'-0" Section @ Chef's Table Display

SHEET KEYNOTE LEGEND

05 10 00 A01	DECORATIVE METAL
05 15 00 A01	DECORATIVE FORMED METAL
06 10 00 A18	PCPD BLOCKING/NAILERS
06 16 00 A02	FIRE-RETARDANT TREATED PLYWOOD
06 40 28 A82	CONCEALED BRACKET
04 21 16 A01	NON-STRUCTURAL FRAMING
04 24 00 A10	GYPSUM BOARD - TYPE X
04 01 00 A10	CEMENTITIOUS BACKER UNITS
04 80 00 A01	TILE
04 80 00 A05	TILE BASE
12 82 00 A05	STAINLESS STEEL COUNTERTOPS
12 82 00 A18	GRANITE
12 86 61 A05	QUARTZ AGGLOMERATE COUNTERTOPS

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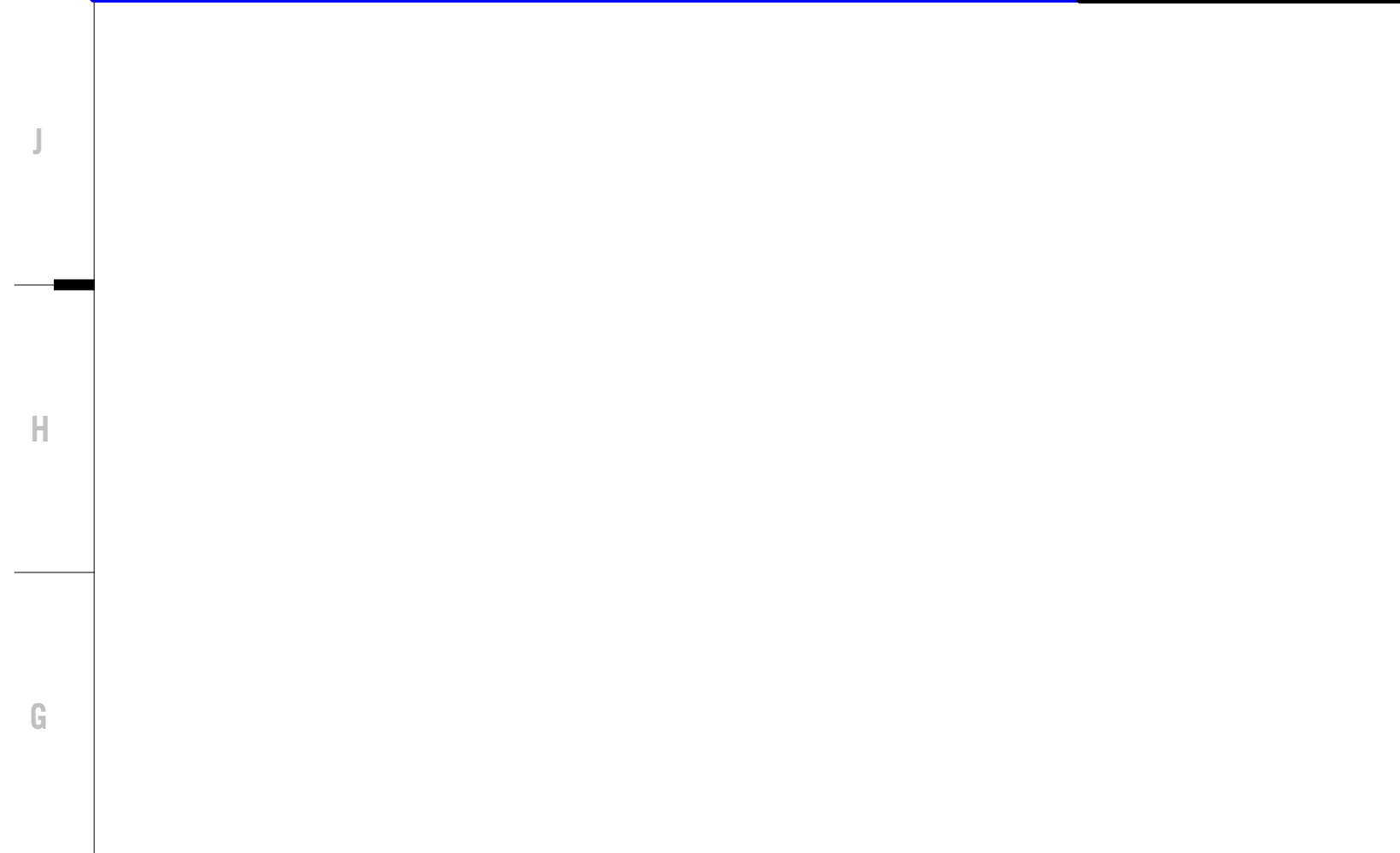
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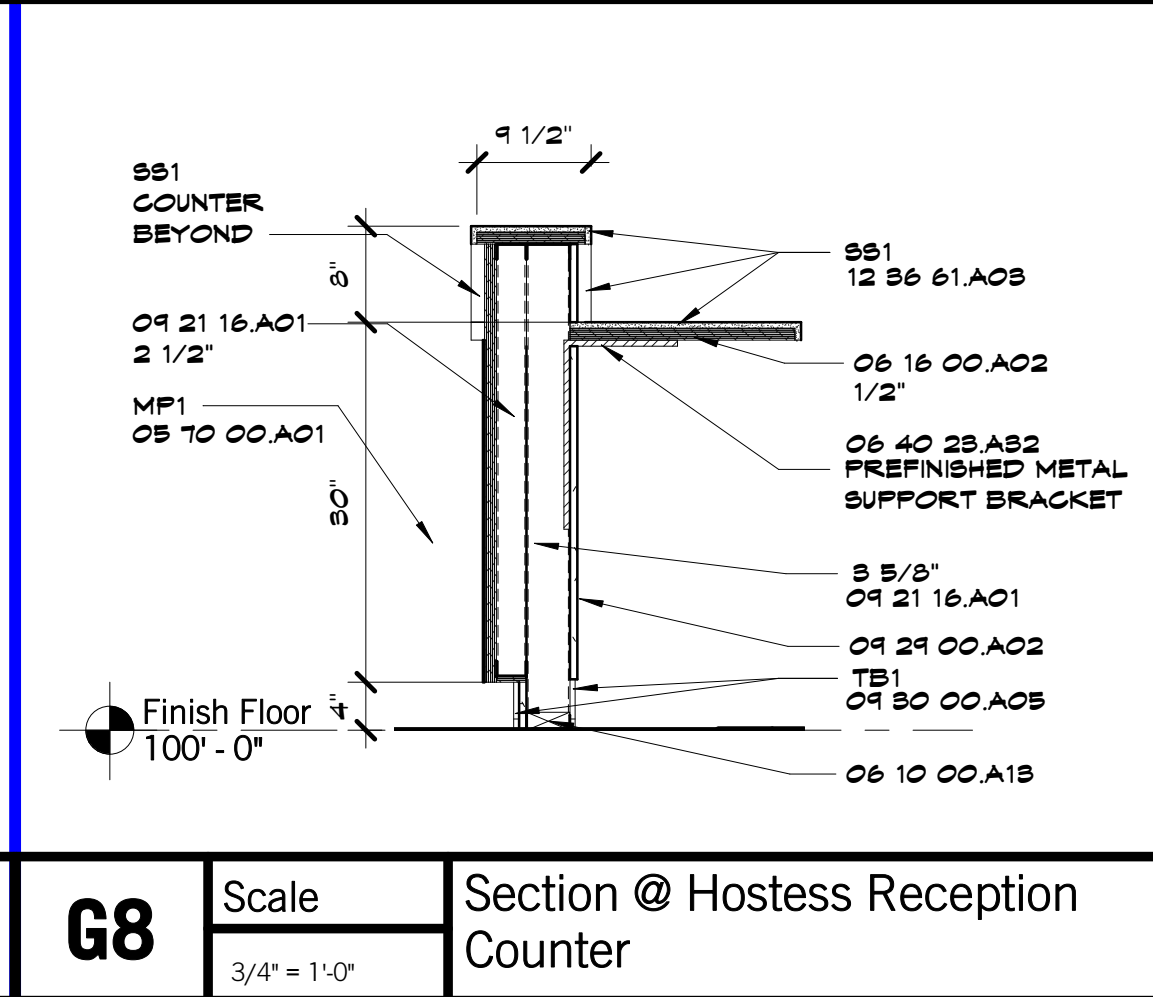
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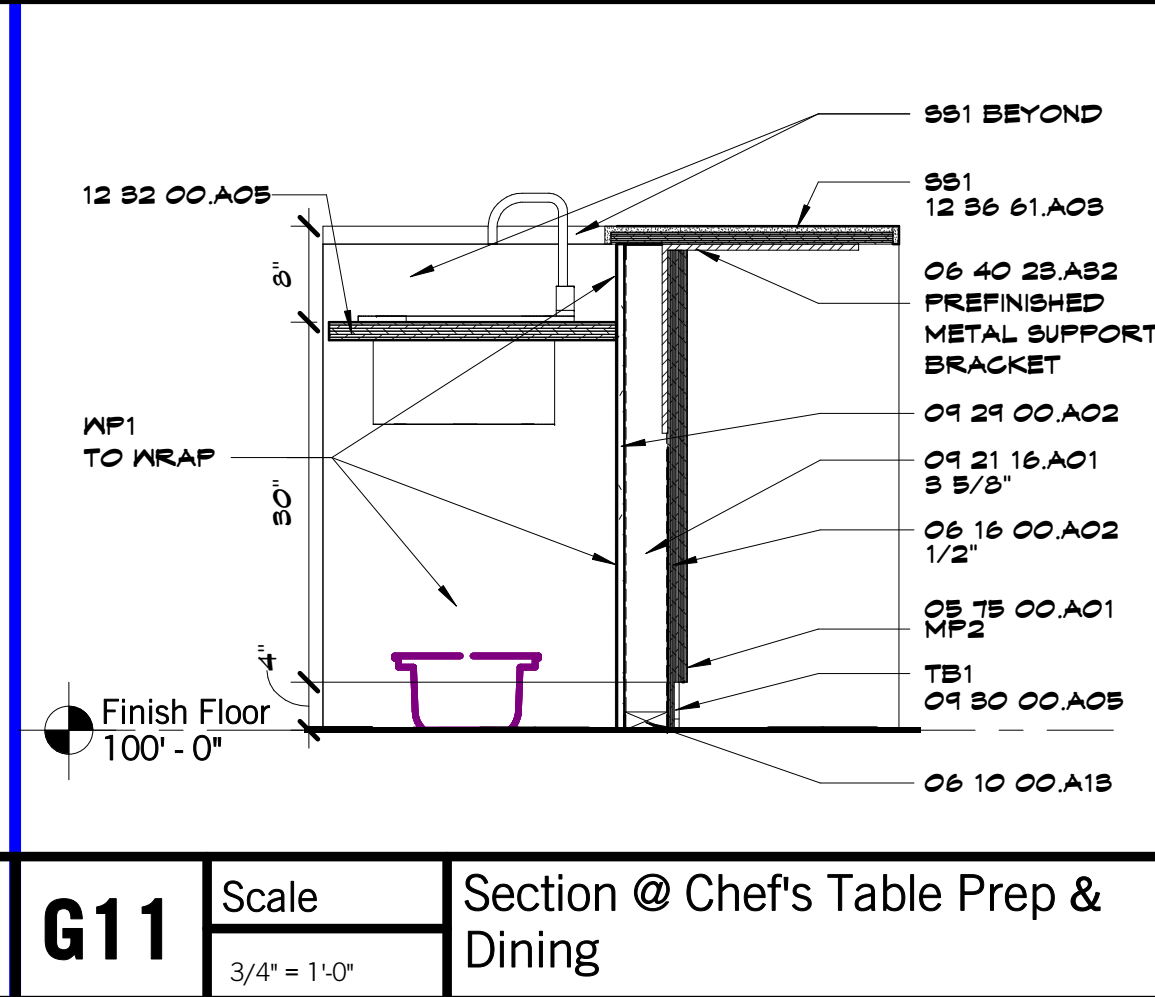
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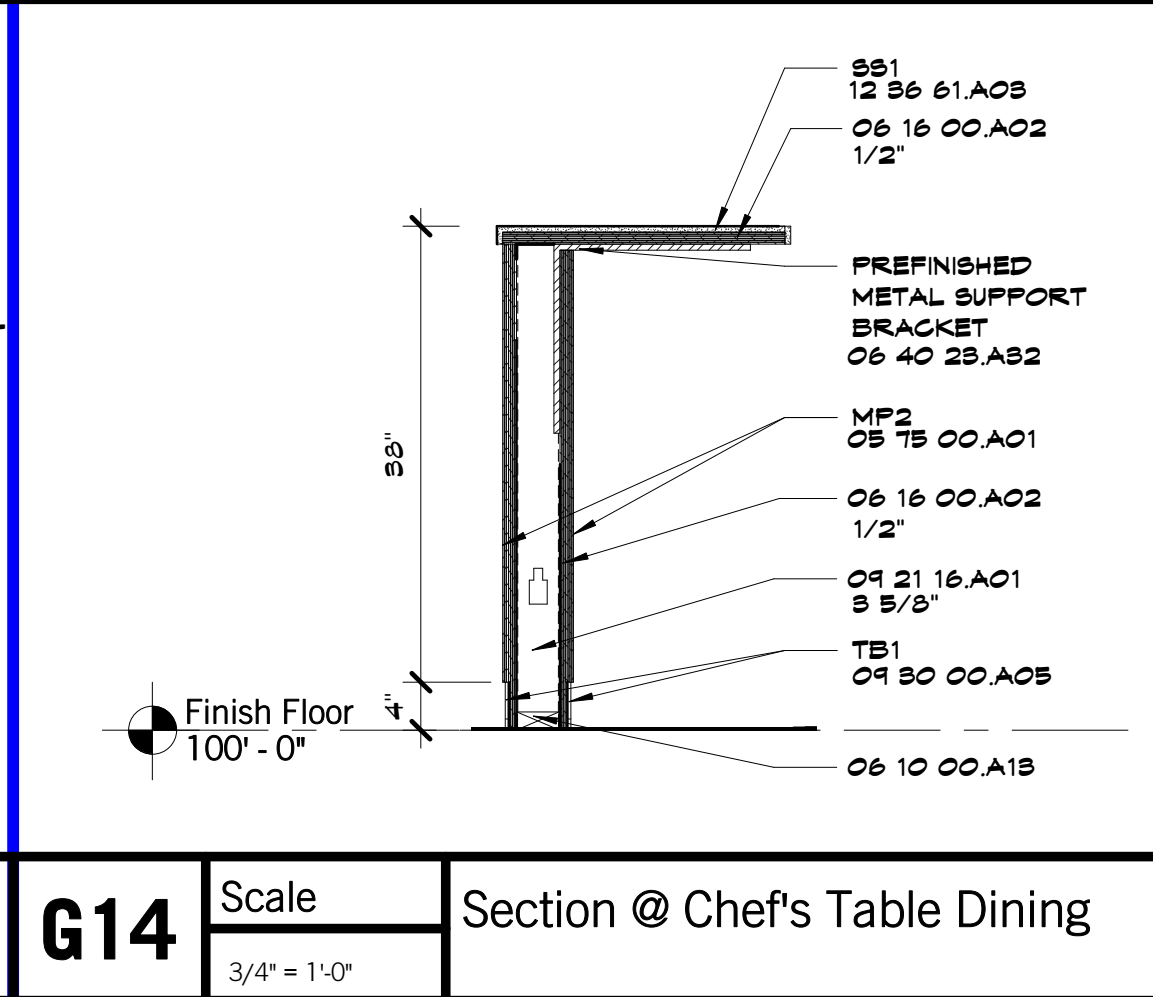
G5 Scale 3/4" = 1'-0" Section @ Hostess ADA Counter



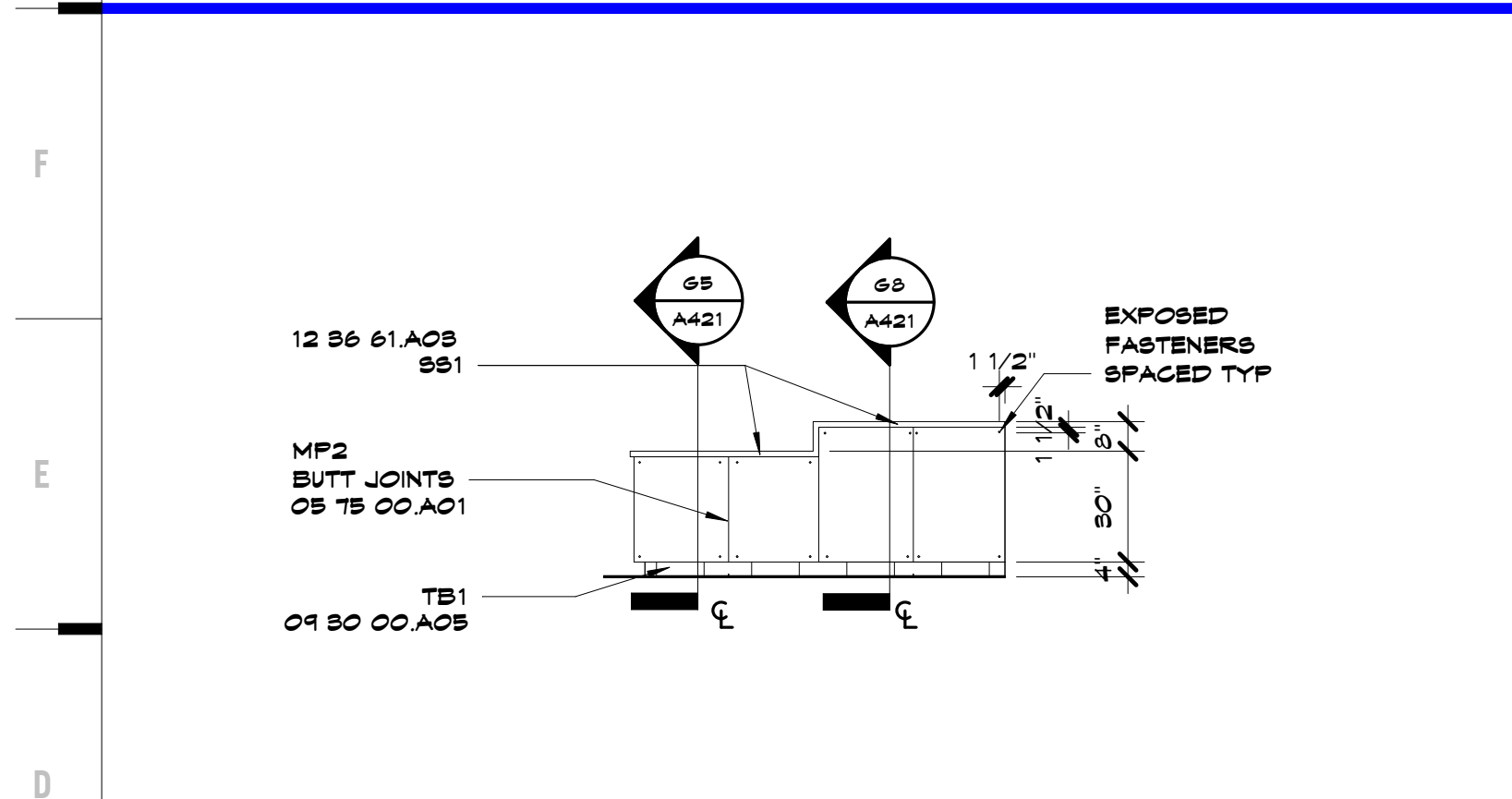
G8 Scale 3/4" = 1'-0" Section @ Hostess Reception Counter



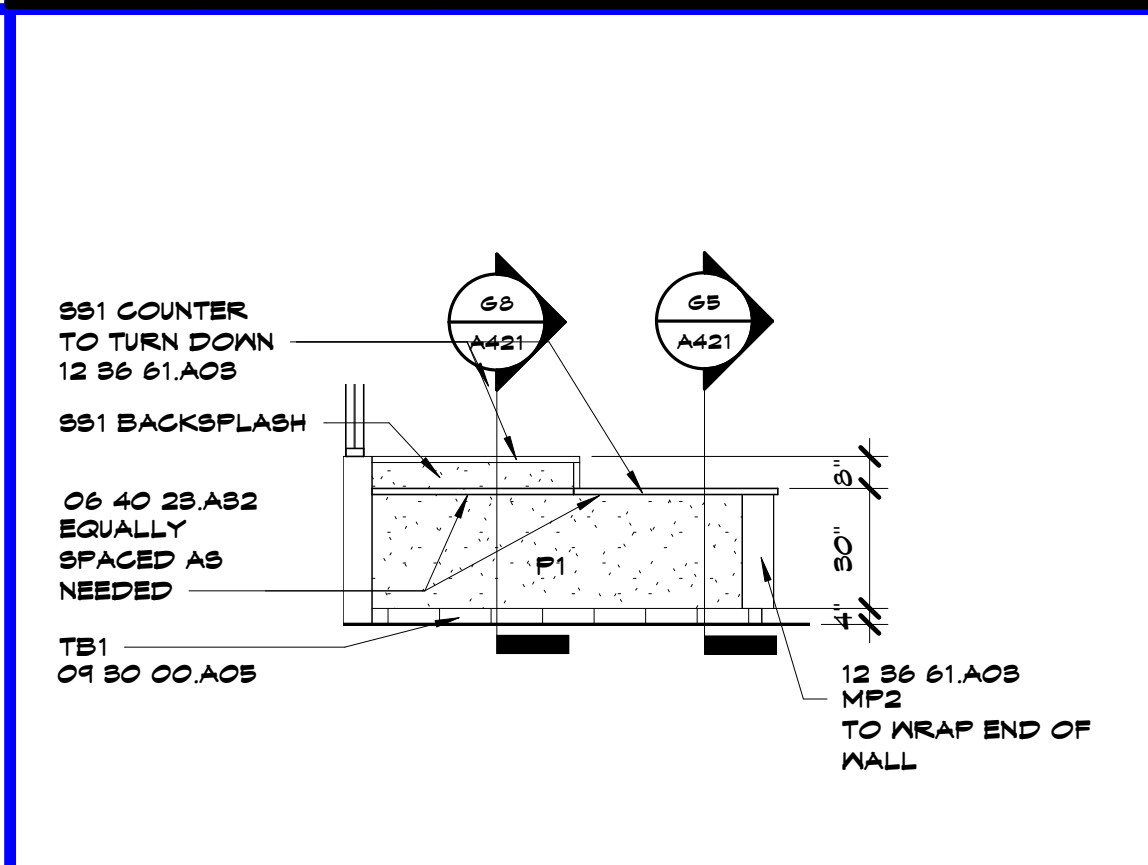
G11 Scale 3/4" = 1'-0" Section @ Chef's Table Prep & Dining



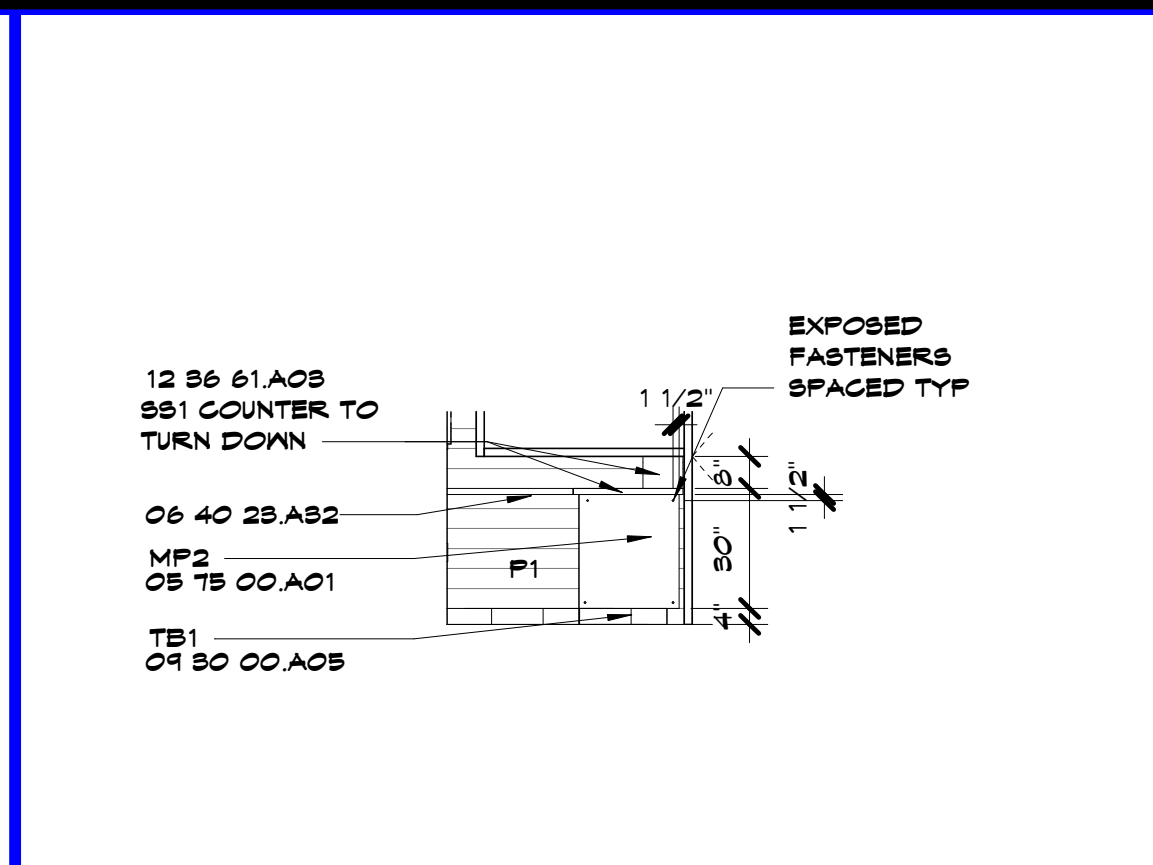
G14 Scale 3/4" = 1'-0" Section @ Chef's Table Dining



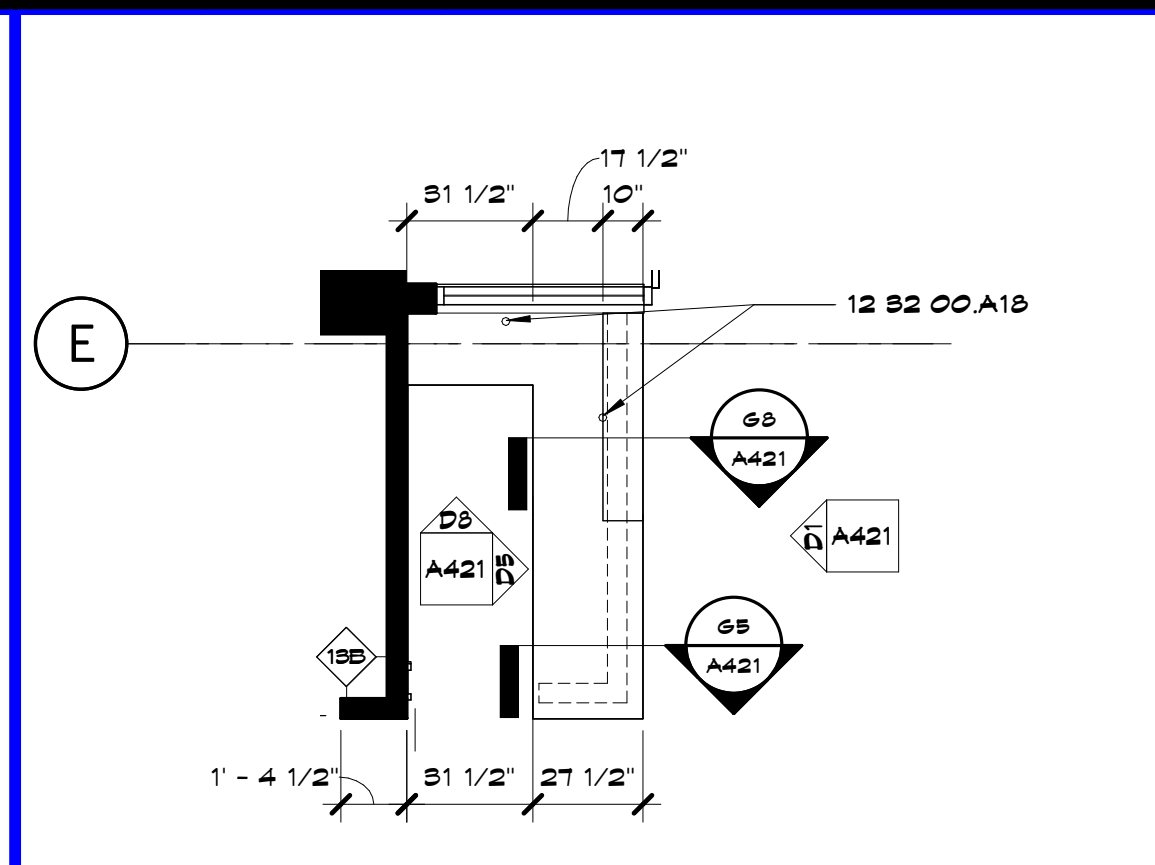
D1 Scale 1/4" = 1'-0" Int. Elev. - 101 Lobby Desk - W



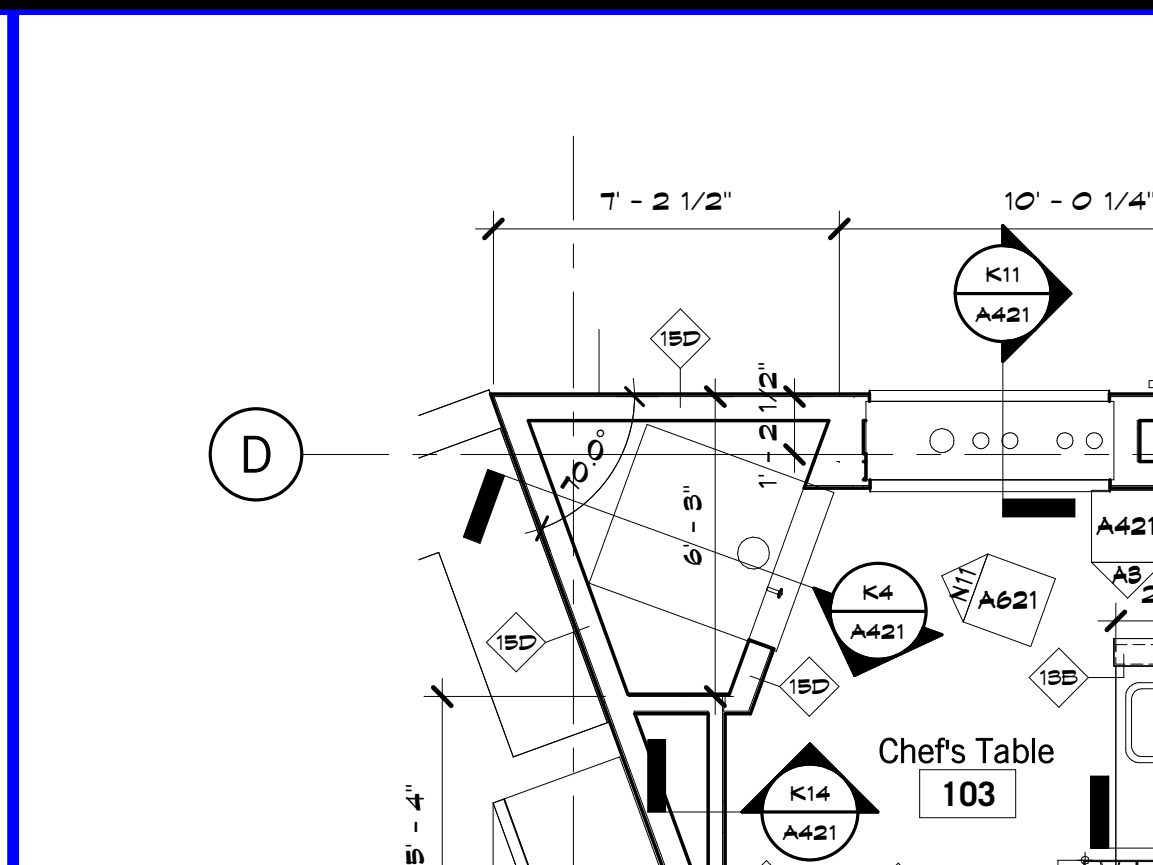
D5 Scale 1/4" = 1'-0" Interior Elevation - 101 Lobby Desk - E



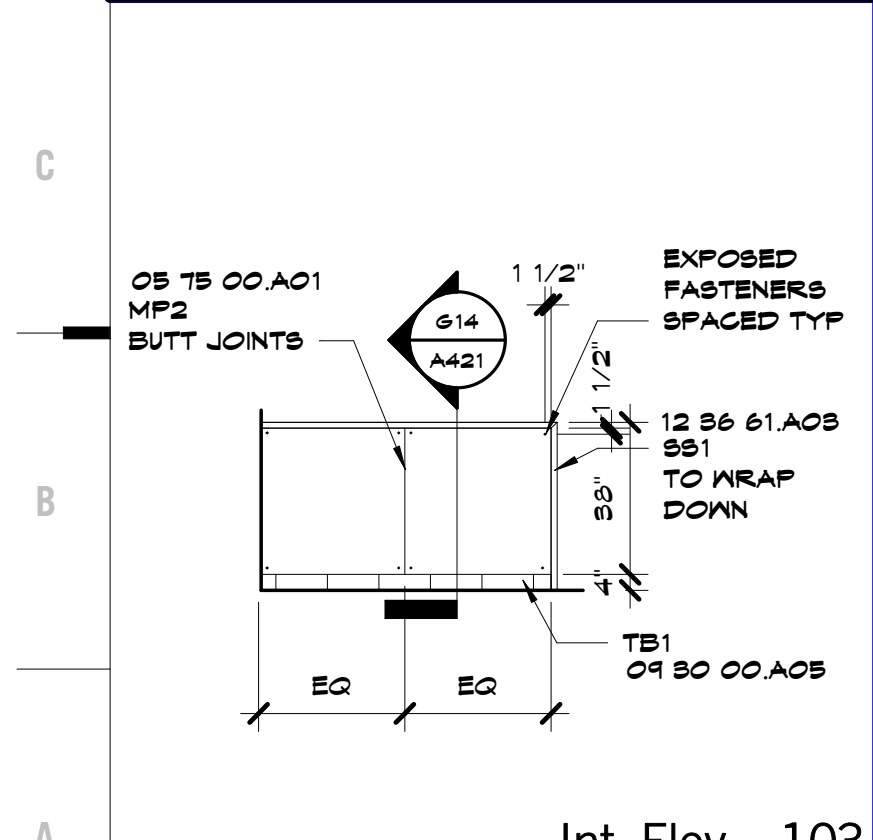
D8 Scale 1/4" = 1'-0" Interior Elevation - 101 Lobby Desk - N



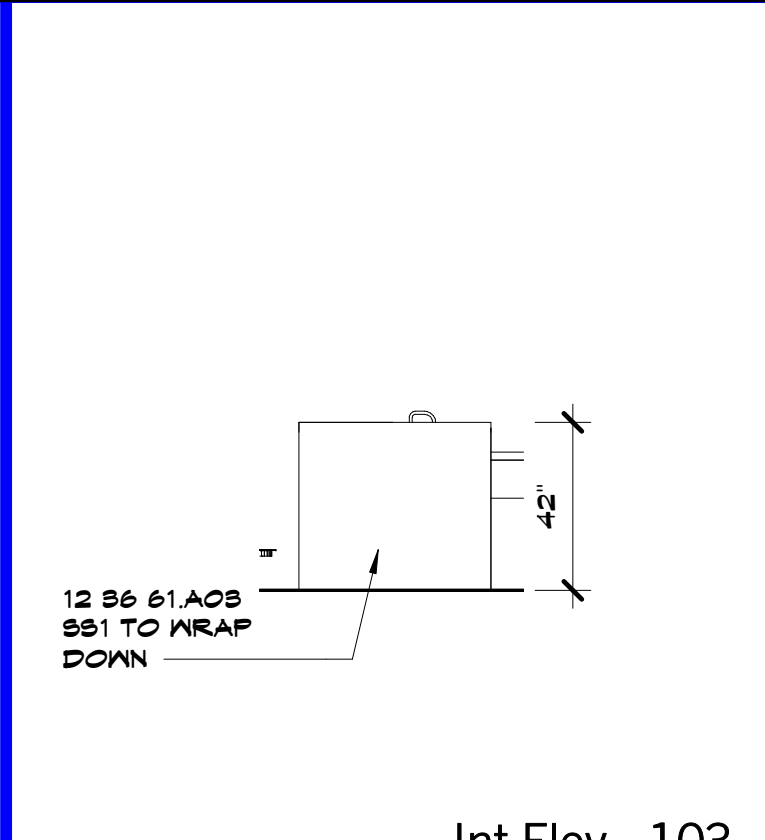
D11 Scale 1/4" = 1'-0" Enlarged Plan - 101 Lobby Desk



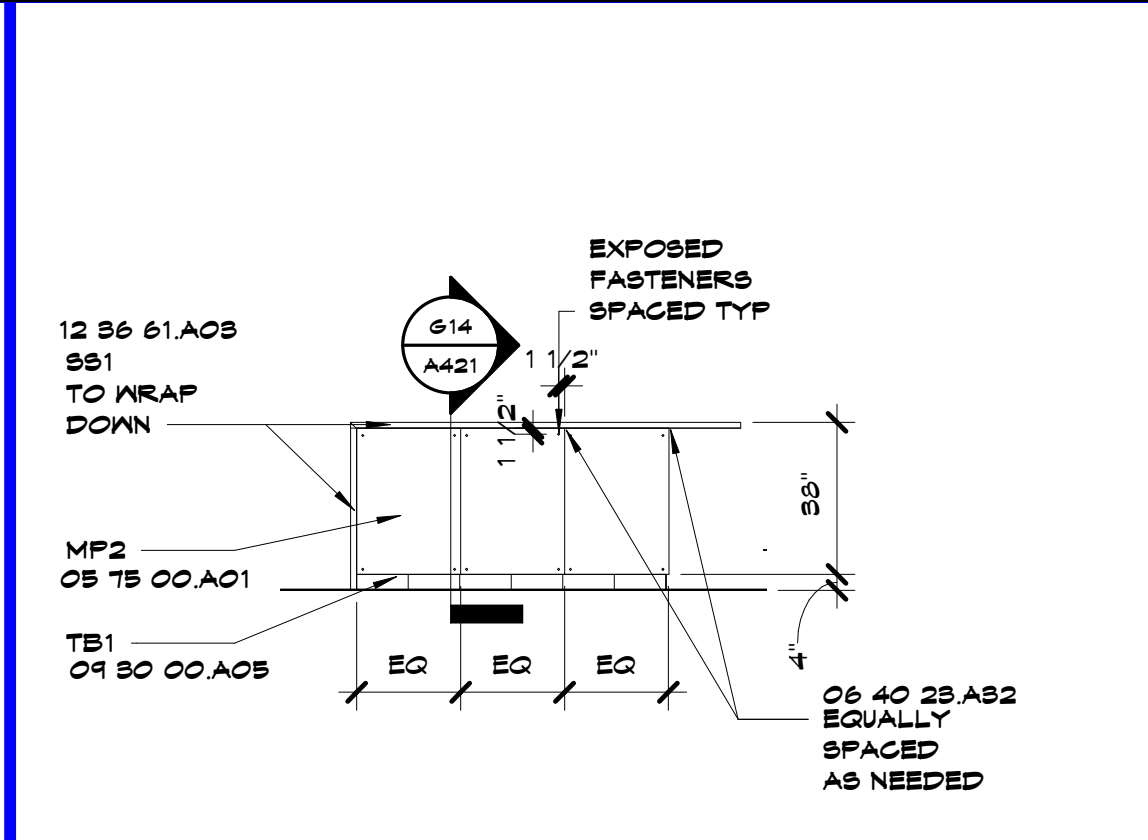
D14 Scale 1/4" = 1'-0" Enlarged Plan - 101 Lobby Desk



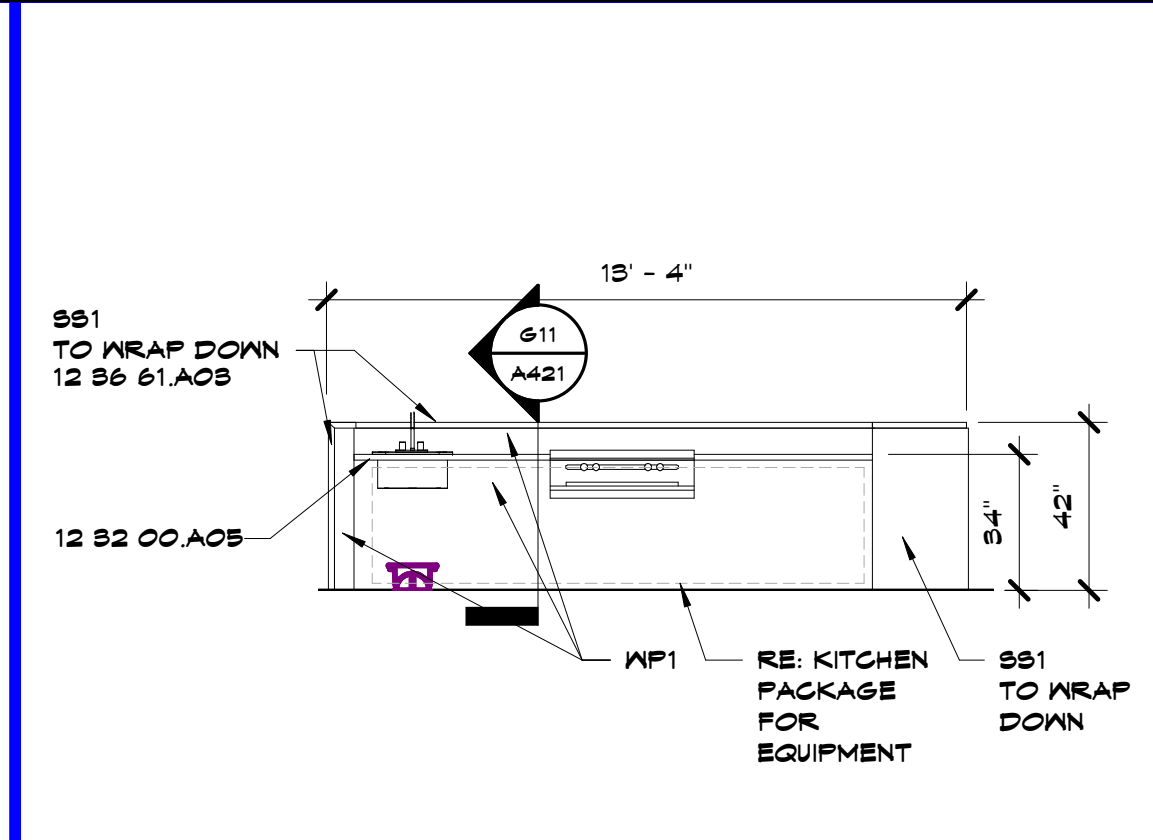
A1 Scale 1/4" = 1'-0" Int. Elev. - 103 Chef's Table - S2



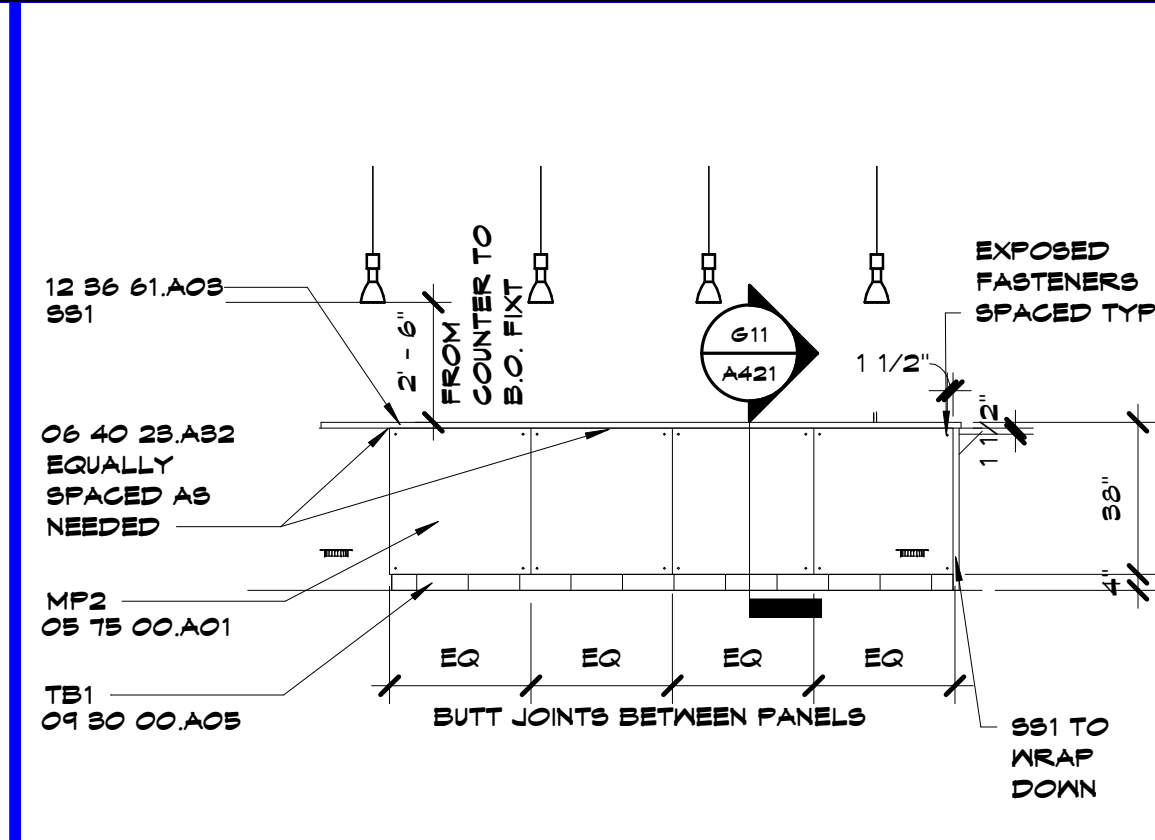
A3 Scale 1/4" = 1'-0" Int. Elev. - 103 Chef's Table - S1



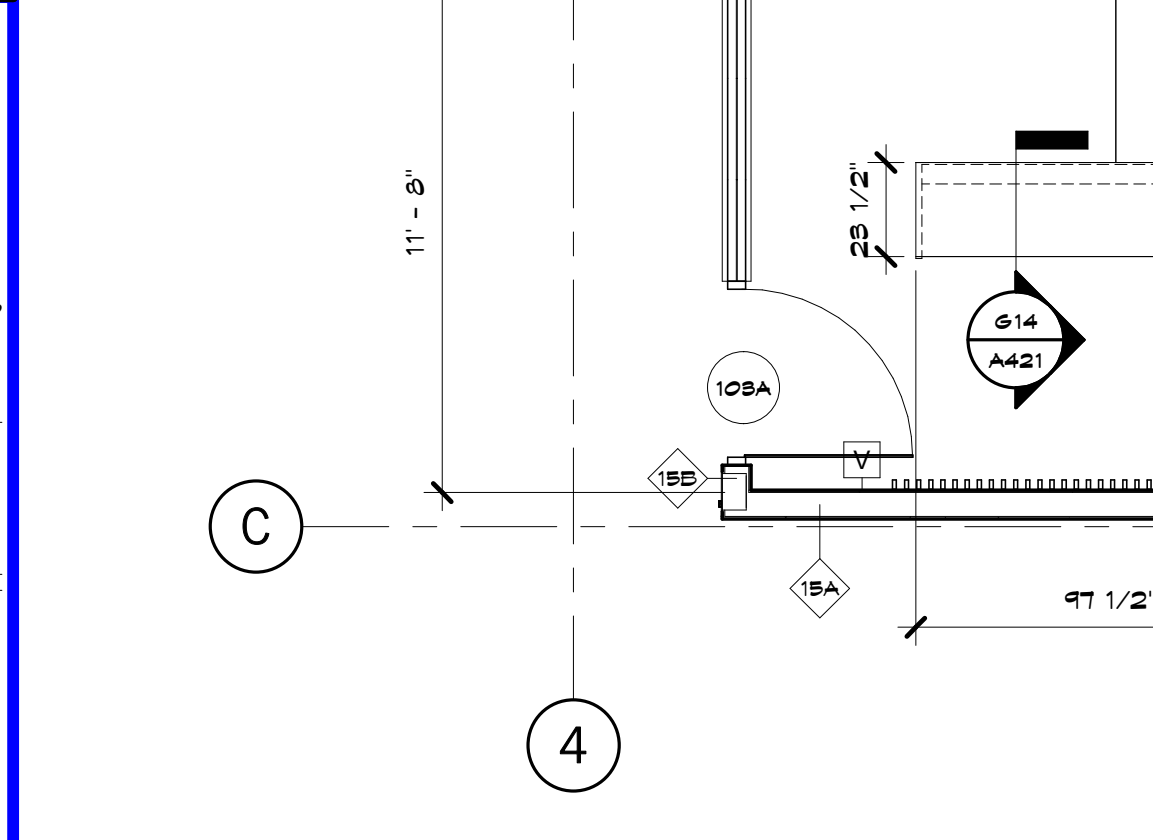
A5 Scale 1/4" = 1'-0" Interior Elevation - 103 Chef's Table Station - N



A8 Scale 1/4" = 1'-0" Interior Elevation - 103 Chef's Table Station - E



A11 Scale 1/4" = 1'-0" Interior Elevation - 103 Chef's Table Station - W



A14 Scale 1/4" = 1'-0" Enlarged Plan - 103 Chef's Table Station

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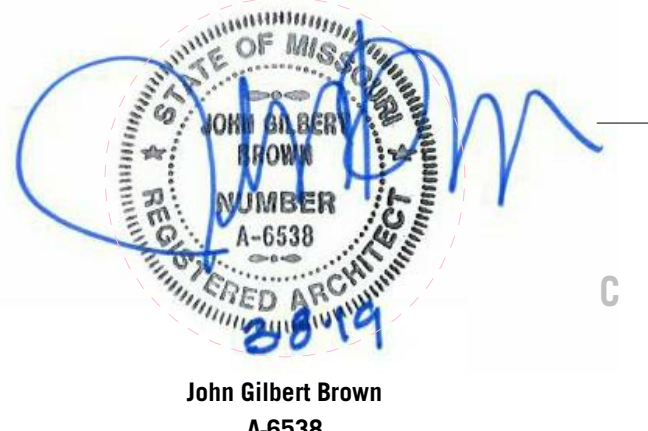
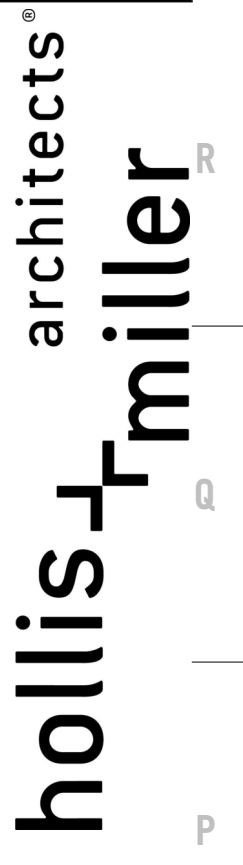
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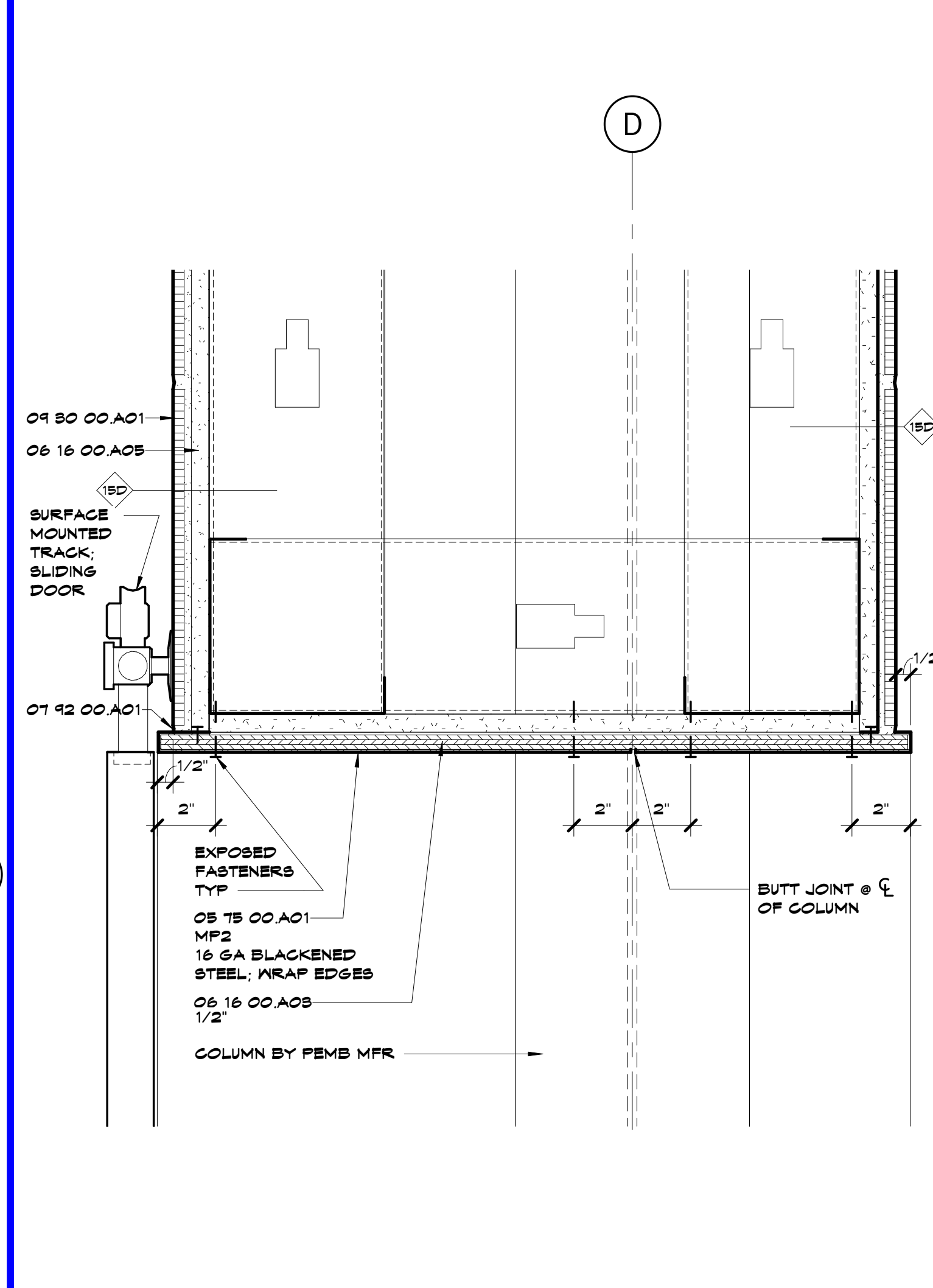
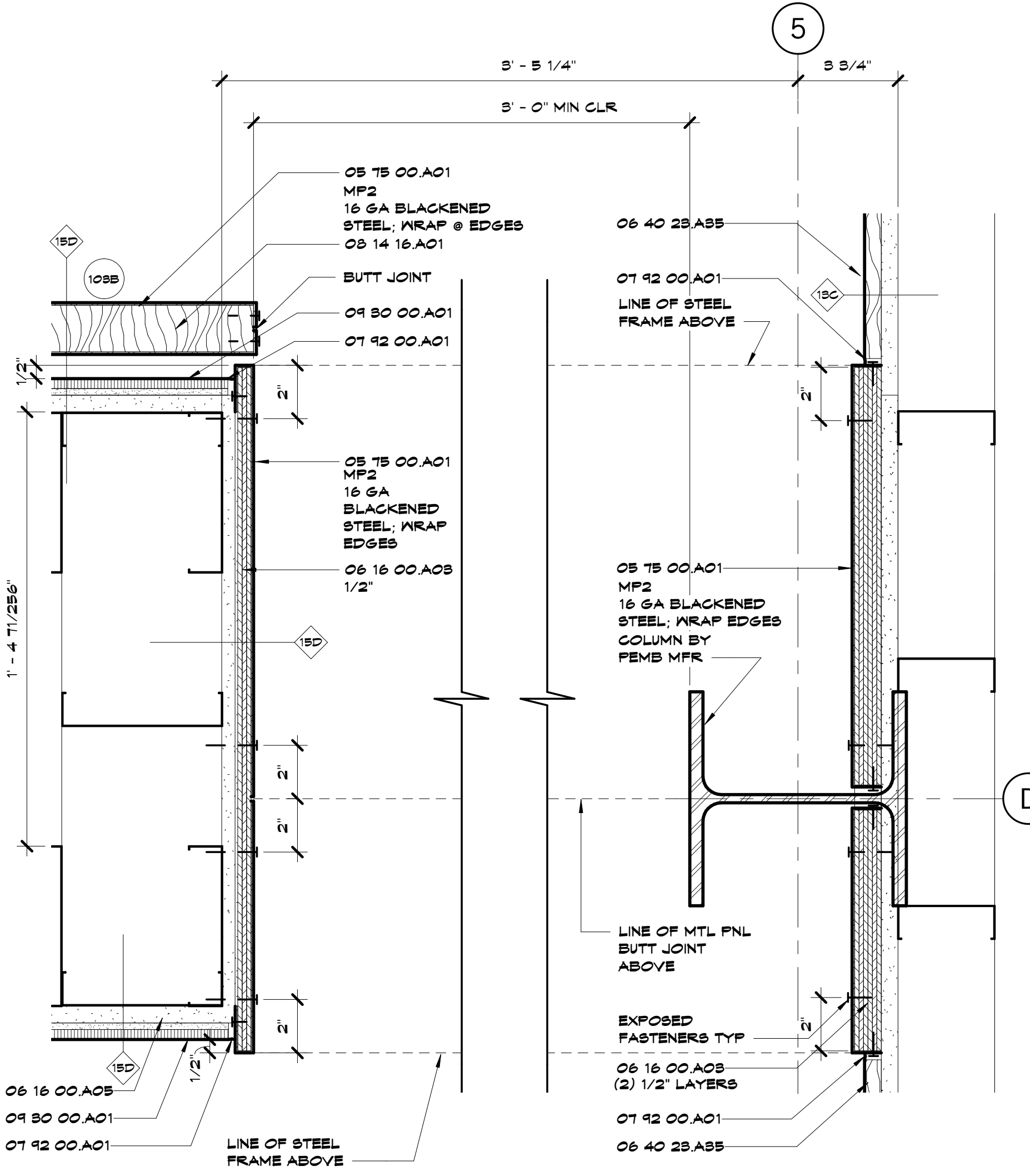
ENLARGED PLANS & DETAILS



3/10/2019 6:22:10 PM

DOOR SCHEDULE

Number	DOOR		Frame			All DETAILS on A501 UNO				Fire Rating	Remarks
	Size	Type	Type	Material	Head	Strike	Hinge	Thresh			
100A	FR 3'-0" x T'-0" x 1 3/4"	D1	A	HM	M11/AB61	M14/AB61	M14/AB61	M10/AB61	--	--	HM DOOR W/ RECLAIMED WOOD & BLACKENED STEEL EDGES (MF2); PAINT FRAME P2
100B	FR 3'-0" x T'-0" x 1 3/4"	D2	B	ALUM	K1	K4	K4	--	--	--	SOLID CORE W/ DOOR W/ RECLAIMED WOOD & BLACKENED STEEL EDGES (MF2); BLACK FINISH
102	3'-0" x T'-0" x 1 3/4"	A4	6	ALUM	G14/AB61	A11/AB61	A11/AB61	M10/AB61	--	--	
102A	3'-6" x T'-0" x 1 1/2"	G1	9	ALUM	K1	--	G8	--	--	--	
102B	3'-3" x T'-2" x 1 3/4"	E1	CUSTOM	STL	K18/AB01	K8/AB01	K8/AB01	--	--	--	SLIDING BARN DOOR - SOLID CORE W/ DOOR WRAPPED W/ BLACKENED STEEL (MF2)
106	3'-0" x T'-0" x 1 3/4"	A1	A	HM	G1	G4	G4	--	--	--	
107	3'-0" x T'-0" x 1 3/4"	A1	A	HM	G1	G4	G4	--	--	--	
108	3'-0" x T'-0" x 1 3/4"	AS	A	HM	G1	G4	G4	--	--	--	
109A	FR 3'-0" x T'-0" x 1 3/4"	B1	A	HM	G1	G4	G4	--	--	--	
109B	3'-6" x T'-0" x 1 3/4"	A4	6	ALUM	G14/AB61	A11/AB61	A11/AB61	M10/AB61	--	--	PAINT TO MATCH ADJACENT METAL PANEL
110	3'-0" x T'-0" x 1 3/4"	AS	A	HM	G1	G4	G4	--	--	--	PAINT TO MATCH ADJACENT METAL PANEL
111	3'-0" x T'-0" x 1 3/4"	AS	A	HM	G1	G4	G4	--	--	--	



SHEET KEYNOTE LEGEND

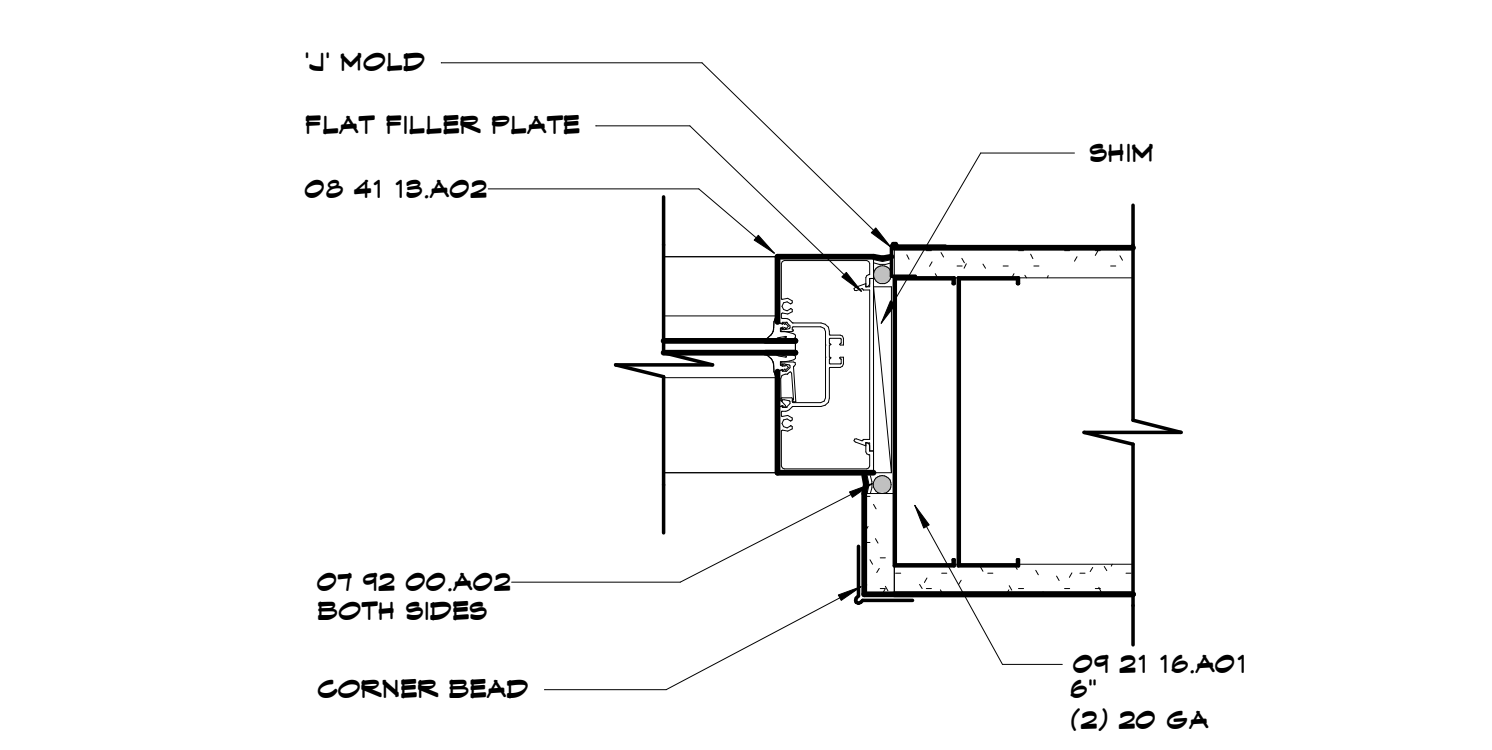
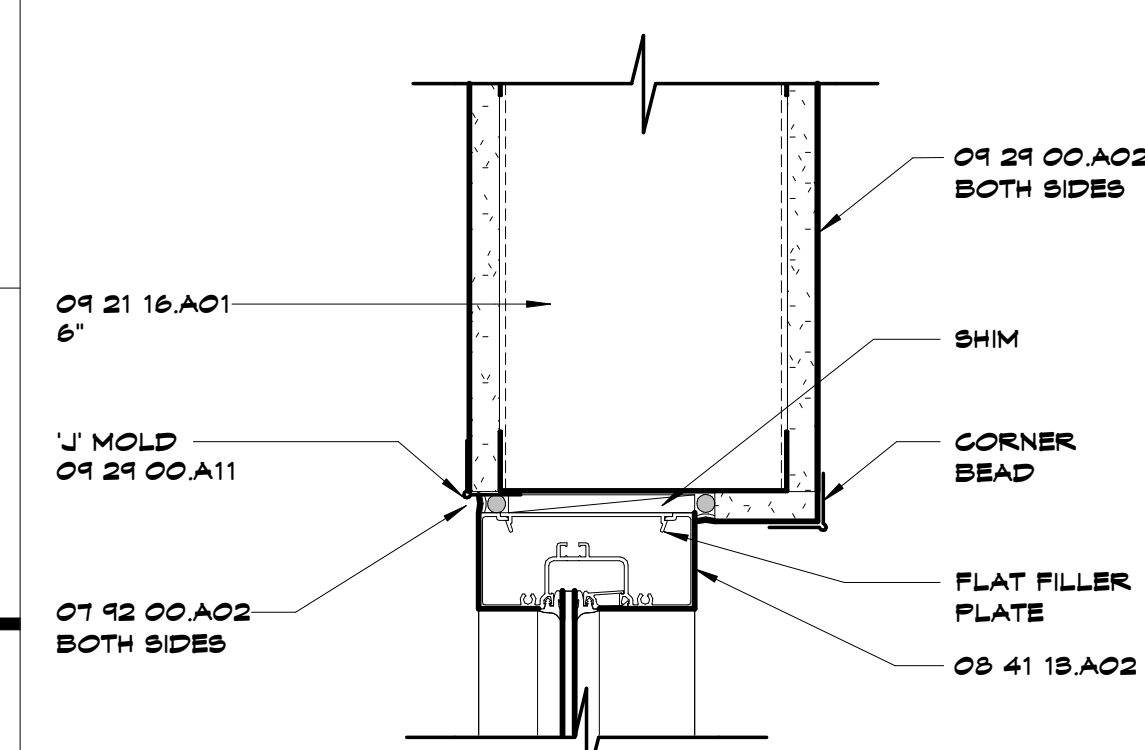
05 10 00 A01	DECORATIVE METAL
05 15 00 A01	DECORATIVE FORMED METAL
05 16 00 A02	FLYWOOD WALL SHEATHING
05 16 00 A03	CEMENTITIOUS WALL SHEATHING
05 40 23 A35	RECLAIMED WOOD
07 12 00 A01	BEALANT
07 12 00 A02	BEALANT W/BACKER ROD
09 11 18 A01	SOLID CORE FLUSH WOOD DOORS
09 11 18 A02	HOLLOW METAL FRAME
09 12 16 A01	ALUMINUM DOOR FRAME
09 14 18 A01	ALUMINUM DOOR FRAME
09 41 18 A01	ALUMINUM DOOR (NON-THERMAL BROKEN)
09 41 18 A02	ALUMINUM DOOR (HEAVY DUTY)
09 11 18 A04	FIXED ALUMINUM WINDOW
09 21 18 A01	NON-STRUCTURAL FRAMING
09 29 00 A02	GYPSUM BOARD - TYPE X
09 29 00 A11	GYPSUM BOARD TRIM
04 30 00 A01	TILE

GLASS LEGEND

1	NOT USED
2	NOT USED
3	NOT USED
4	NOT USED
5	CLEAR MONOLITHIC FLOAT GLASS - 02 30 00 A01
6	CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS - 02 30 00 A02
7	NOT USED
8	NOT USED
9	LOW-E CLEAR INSULATED GLASS - 02 30 00 A17
10	LOW-E CLEAR FULLY-TEMPERED GLASS - 02 30 00 A18

MATERIAL LEGEND

11	ROLLER SHADES - MEGHO SYSTEMS, 1600 SERIES, 3% OPENNESS, MATCH ARCHITECT'S SAMPLE
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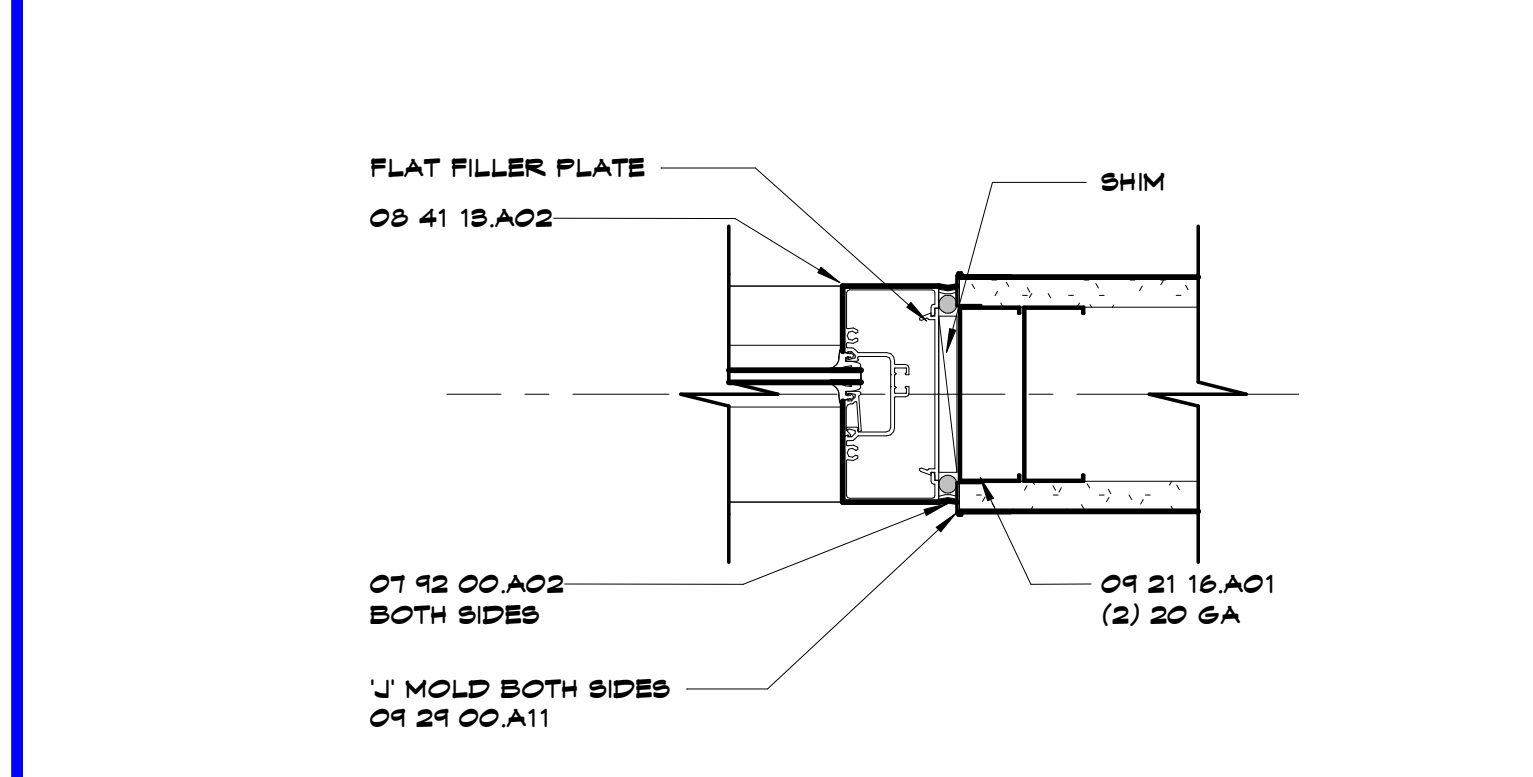
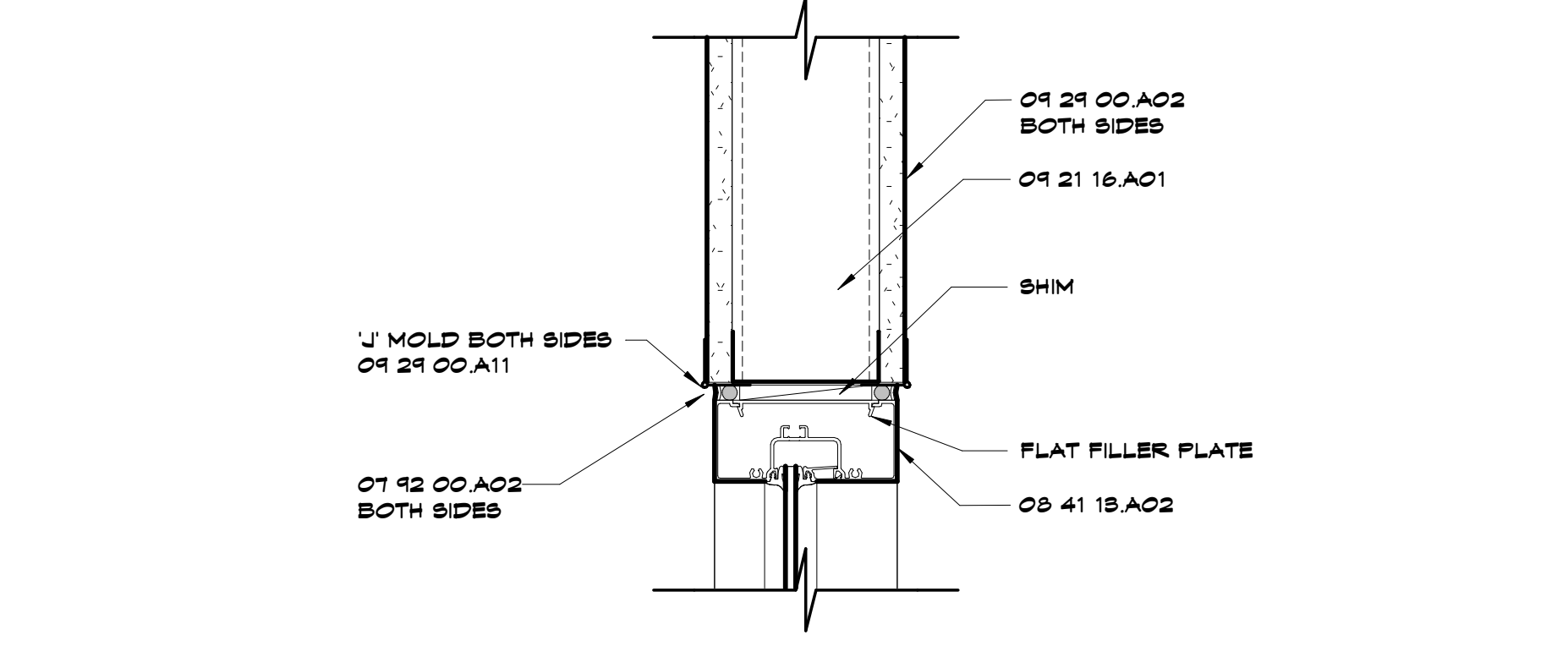
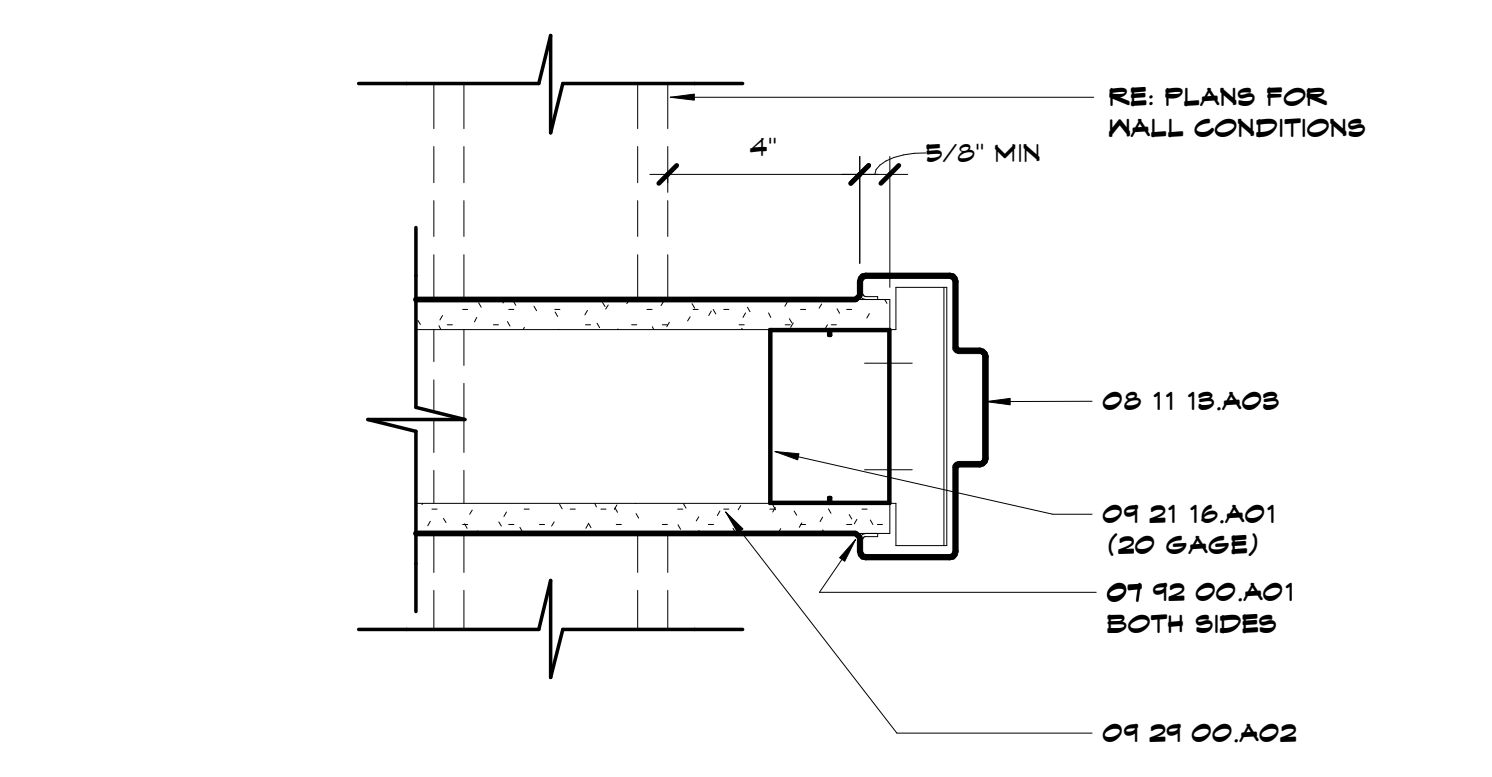
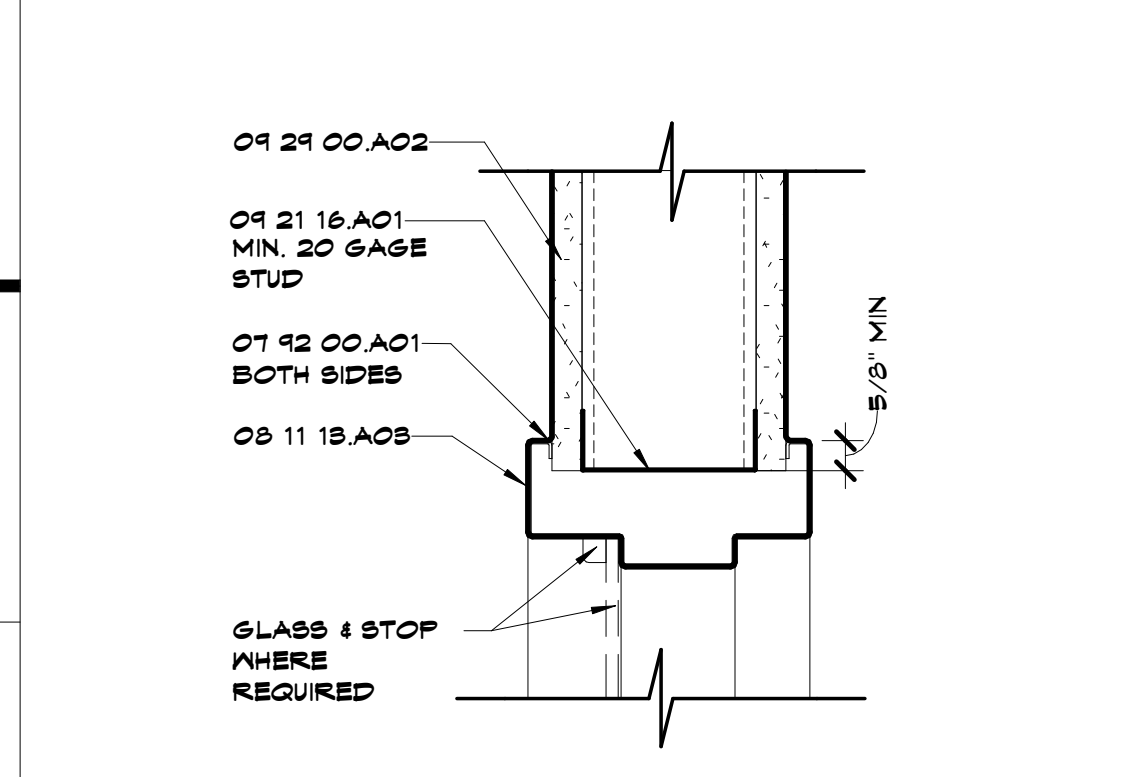


K1 Scale 3"=1'-0" Storefront Head @ 6" Stud Wall (Interior)

K4 Scale 3"=1'-0" Storefront Jamb @ 6" Stud Wall (Interior)

K8 Scale 3"=1'-0" Plan Detail - Threshold @ Barn Door

K13 Scale 3"=1'-0" Section Thru Sliding Barn Door

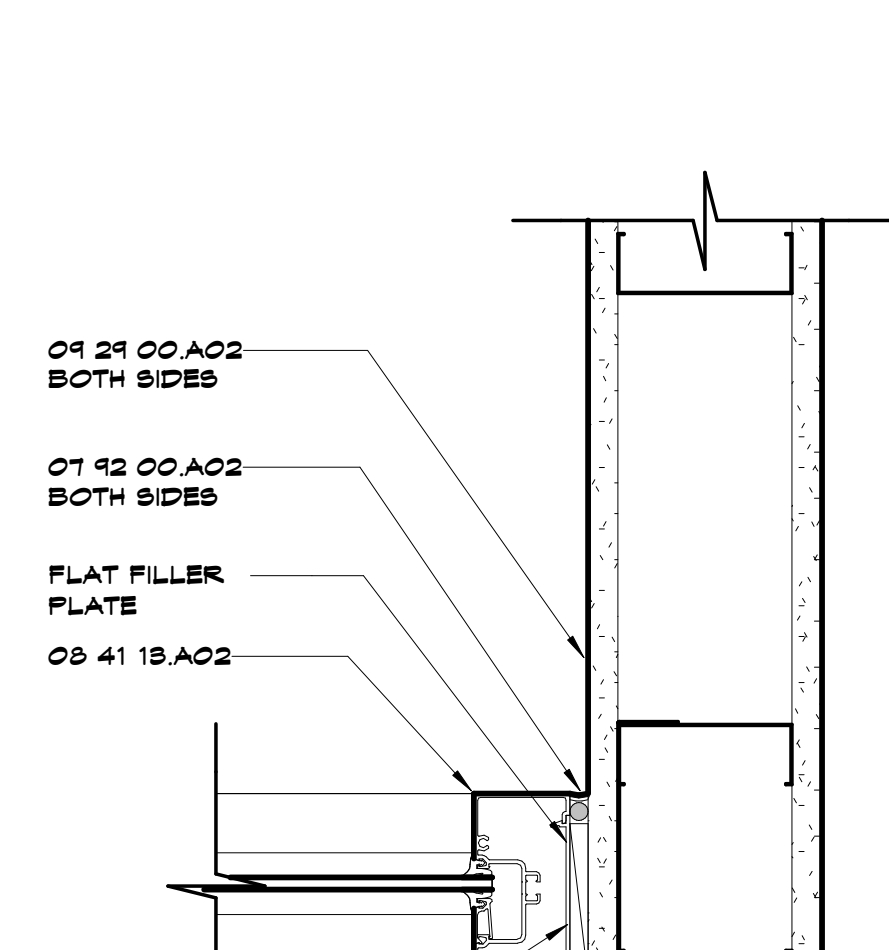


G1 Scale 3"=1'-0" HM Head @ Metal Stud

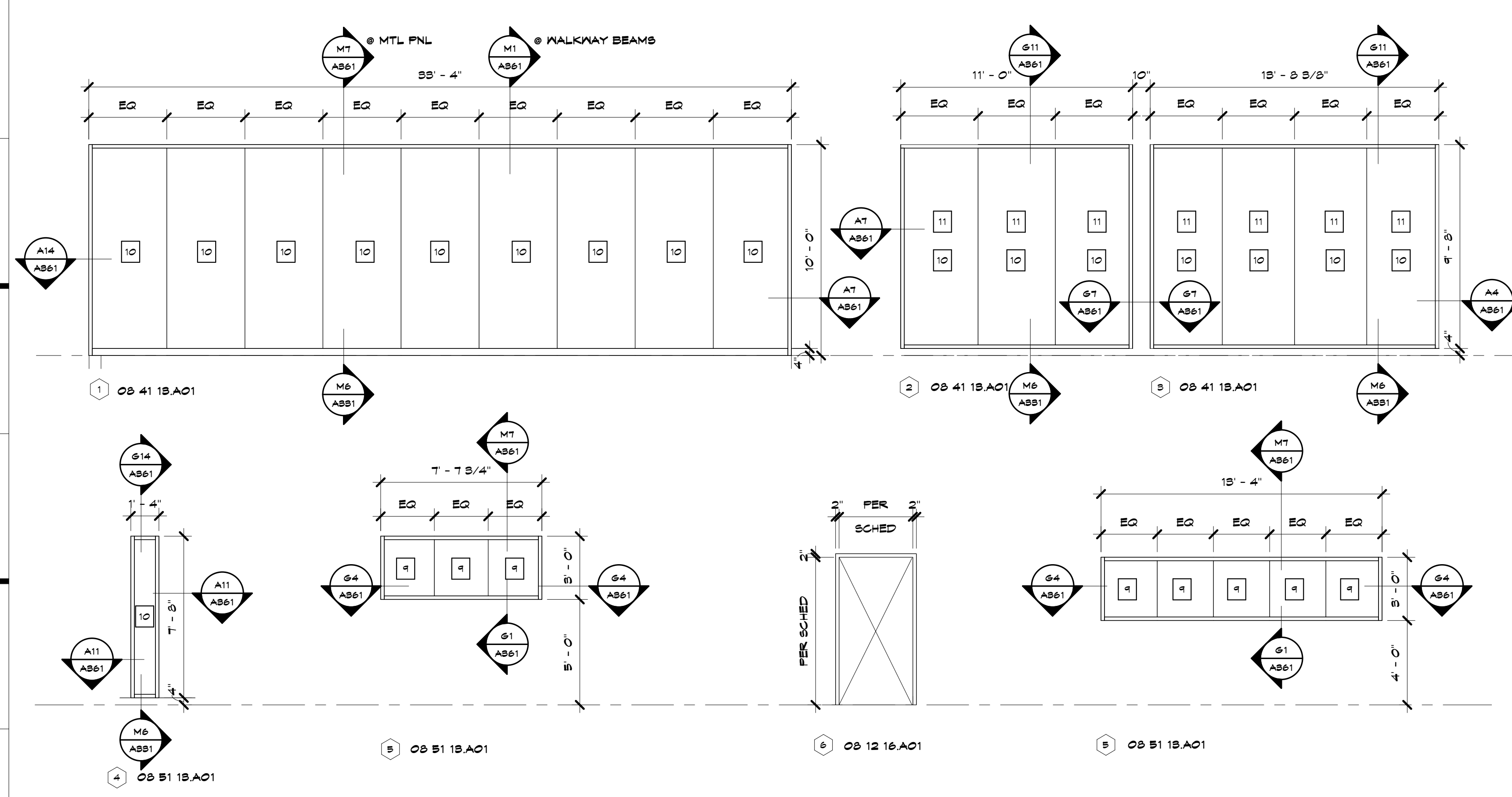
G4 Scale 3"=1'-0" HM Jamb @ Metal Stud

G8 Scale 3"=1'-0" Storefront Head @ Stud Wall (Interior)

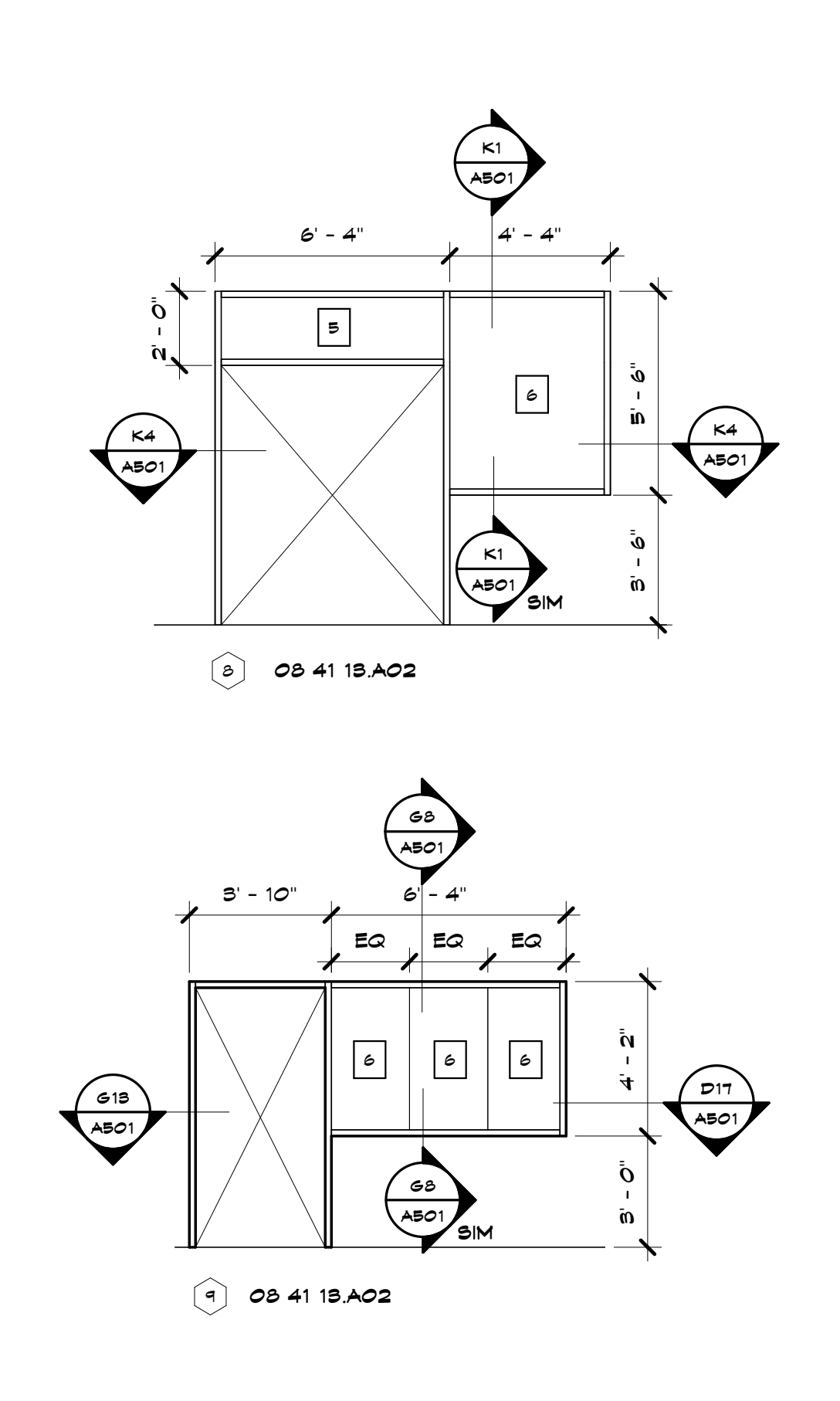
G13 Scale 3"=1'-0" Storefront Jamb @ Stud Wall (Interior)



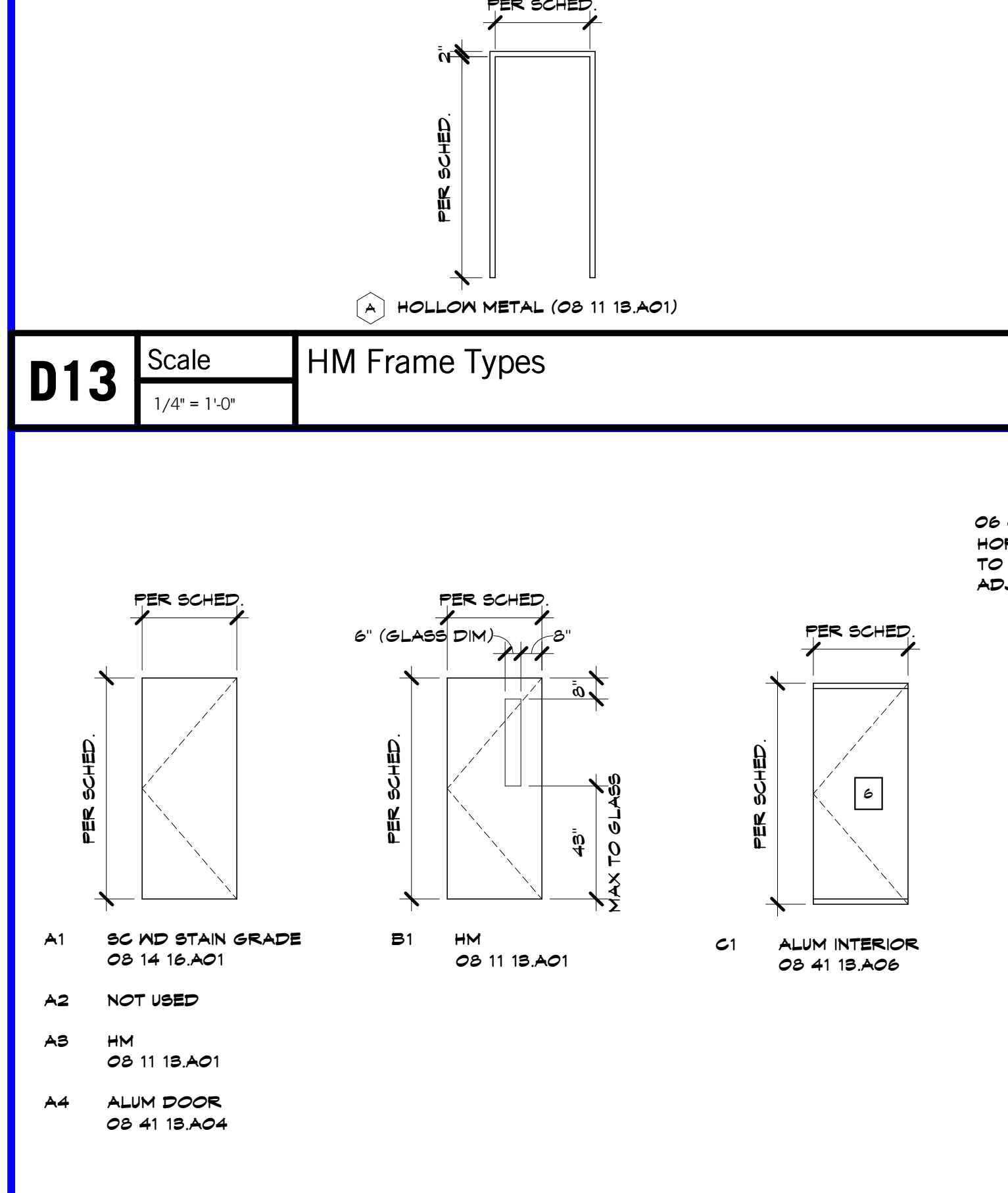
D17 Scale 3"=1'-0" Storefront Jamb Along Stud Wall (Interior)



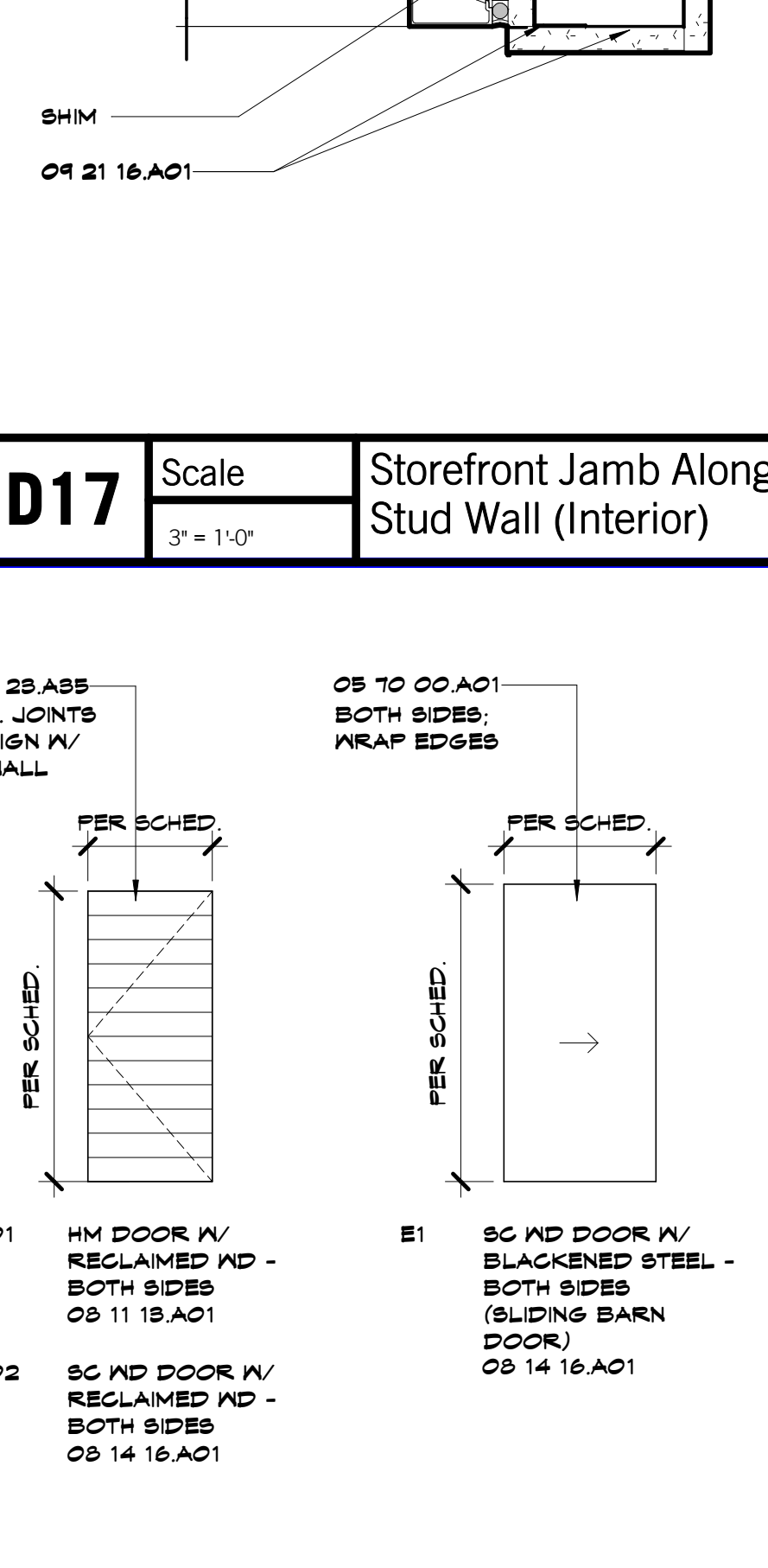
A1 Scale 1/4"=1'-0" Exterior Frame Types



A10 Scale 1/4"=1'-0" Interior Frame Types



A13 Scale 1/4"=1'-0" Door Types



D13 Scale 1/4"=1'-0" HM Frame Types

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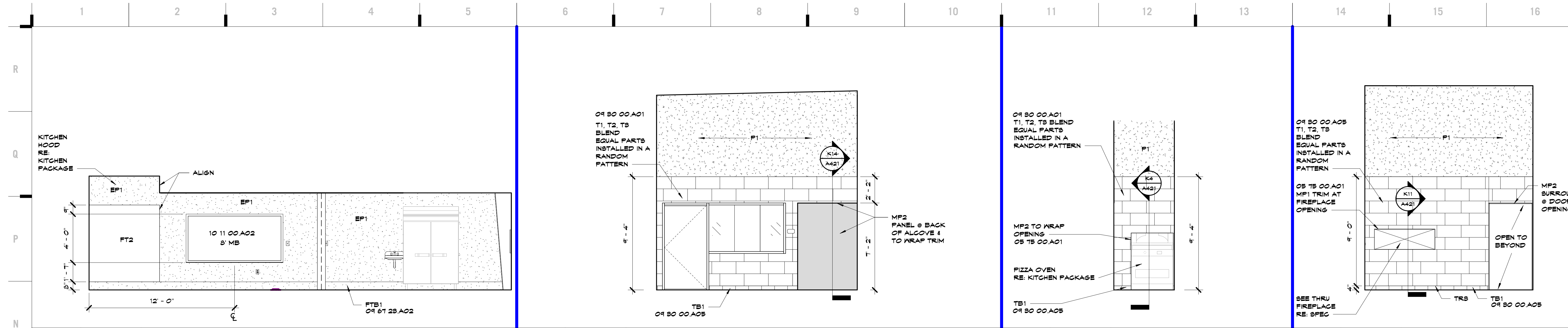
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A501

DOOR SCHEDULE

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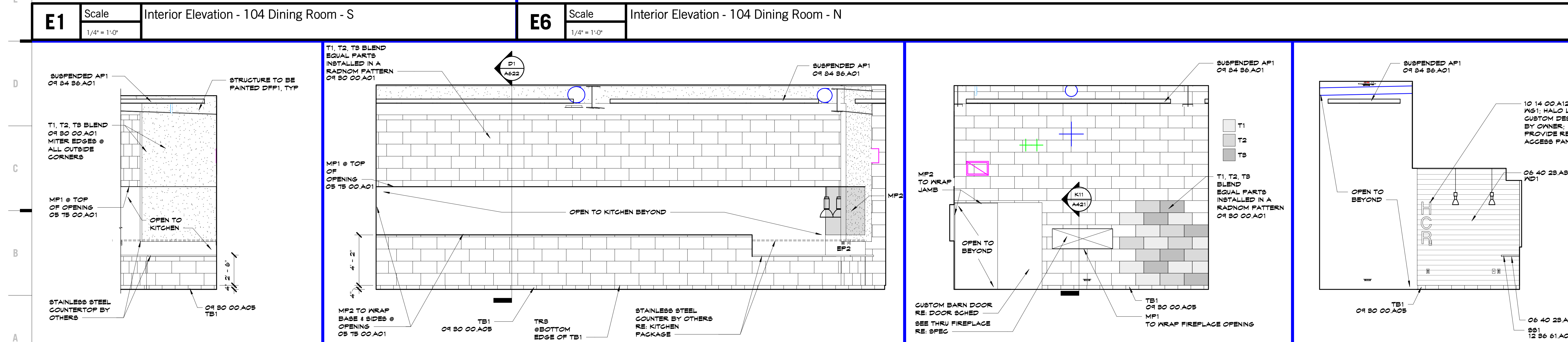
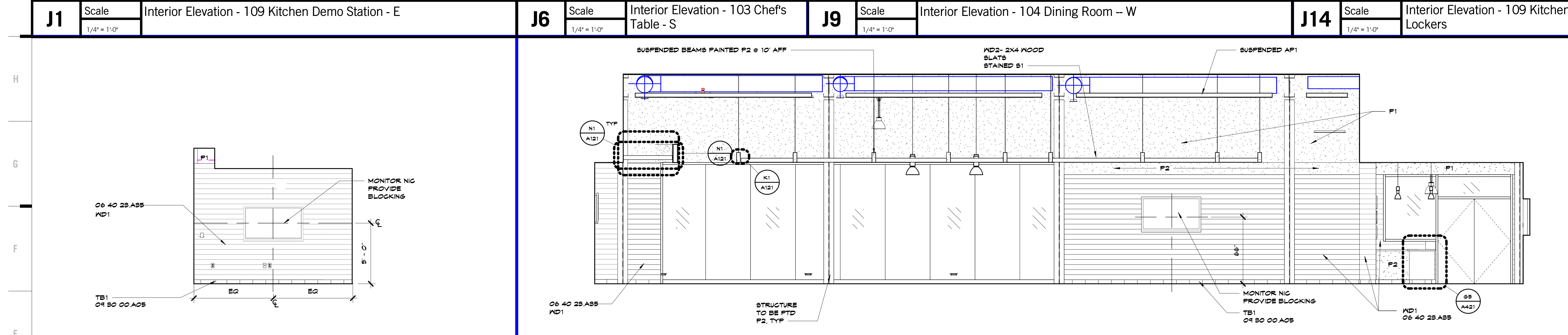
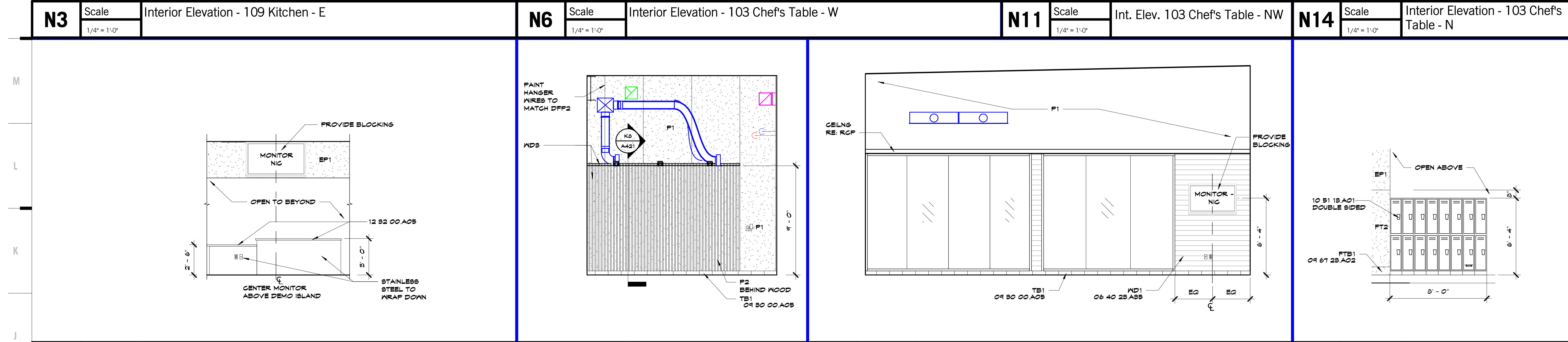


SHEET KEYNOTE LEGEND	
06 18 00 A01	DECORATIVE FORMED METAL
06 40 28 A82	CONCEALED BRACKET
06 40 28 A85	RECLAIMED WOOD
04 80 00 A01	TILE
04 80 00 A09	TILE BASE
04 84 86 A02	INTEGRAL COVE BASE
04 84 86 A01	SOUND-ABSORBING CEILING PANELS
10 11 00 A02	MARKERBOARDS
10 14 00 A12	INTERIOR VINYL GRAPHICS (TEXTURED SUBSTRATE)
10 81 18 A01	KNOCKED-DOWN CORRIDOR LOCKERS
12 82 00 A05	STAINLESS STEEL COUNTERTOPS
12 86 61 A09	QUARTZ AGGLOMERATE COUNTERTOPS

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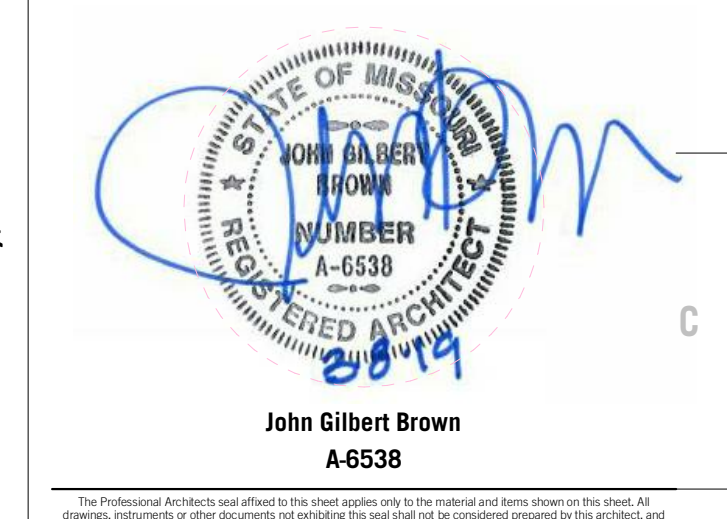
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- CASEWORK NOTES**
- ALL EXPOSED SURFACES TO RECEIVE PLASTIC LAMINATE.
 - UNO, PROVIDE 4" BACKSPLASH.
 - UNO, PROVIDE 1" OVERHANGS AT ALL COUNTERTOPS.
 - CASEWORK CONTRACTOR TO COORDINATE WITH PLUMBING CONTRACTOR ON FINISH LOCATIONS AND SINK SIZES.
 - UNO, ALL BASE CABINETS ARE 24" DEEP.
 - UNO, ALL UPPER CABINETS ARE 16" DEEP.
 - UNO, ALL TALL STORAGE CABINETS ARE 24" DEEP.
 - ALL TALL WARDROBE CABINETS TO BE LOCKABLE.
 - ALL FILE CABINETS TO BE SUPPLIED WITH HANGING RAIL SYSTEM.
 - PROVIDE GROMMETS AT ALL COUNTERTOP KNEE SPACES, ONE GROMMET AT EACH END, COORDINATE WITH COUNTERTOP SUPPORT BRACKETS.
 - PROVIDE WOOD GLEAT AT BACK AND SIDE WALLS OF ALL COUNTERTOPS THAT DON'T HAVE BASE CABINETS FOR SUPPORT.

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

#	Description	Date



John Gilbert Brown
 A-6538
 JOB NO: 17048
 DRAWN BY: KM
 CHECKED BY: SB
 DATE: 03.08.2019

A621

SHEET KEYNOTE LEGEND

08 40 00 A01	COLD-FORMED METAL FRAMING
08 10 00 A01	DECORATIVE METAL
06 10 00 A10	FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS
06 10 00 A19	PLYWOOD BLOCKING AND BACKING PANELS
06 16 00 A02	FIRE-RETARDANT TREATED PLYWOOD
06 16 00 A08	CEMENTIOUS WALL SHEATHING
06 40 28 A14	SOLID SURFACE COUNTERTOPS
01 12 00 A01	SEALANT
04 21 16 A01	NON-STRUCTURAL FRAMING
04 21 00 A02	GYPSUM BOARD - TYPE X
04 21 00 A06	MOLD AND MOISTURE RESISTANT GYPSUM BOARD
04 30 00 A01	TILE
04 31 19 A01	ACOUSTICAL CEILING PANELS
04 61 28 A01	RESINOUS FLOORING
04 61 28 A02	INTEGRAL COVE BASE
10 21 19 A01	TOILET COMPARTMENTS
10 25 00 A10	MIRROR UNIT
12 26 61 A03	QUARTZ AGGLOMERATE COUNTERTOPS

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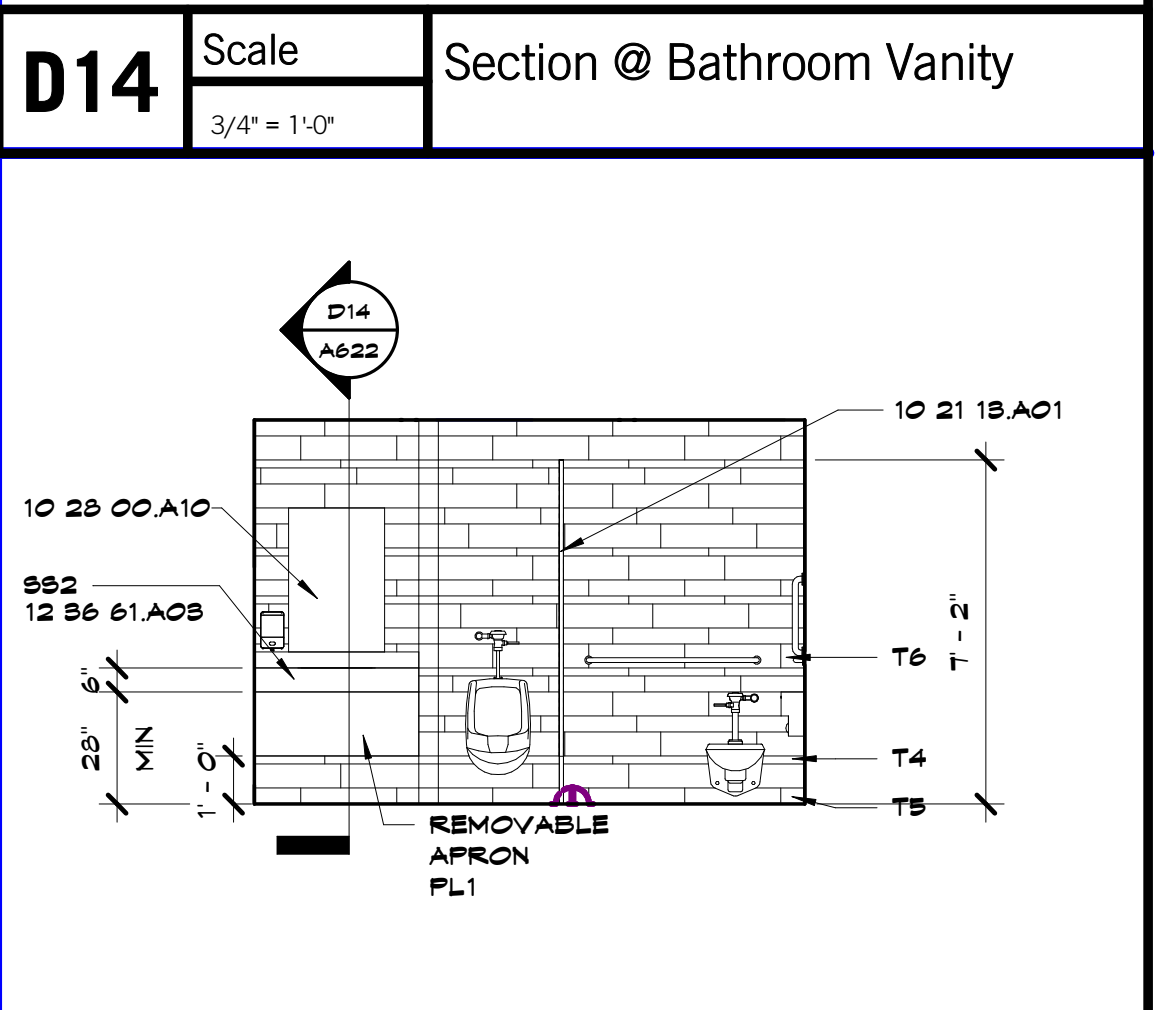
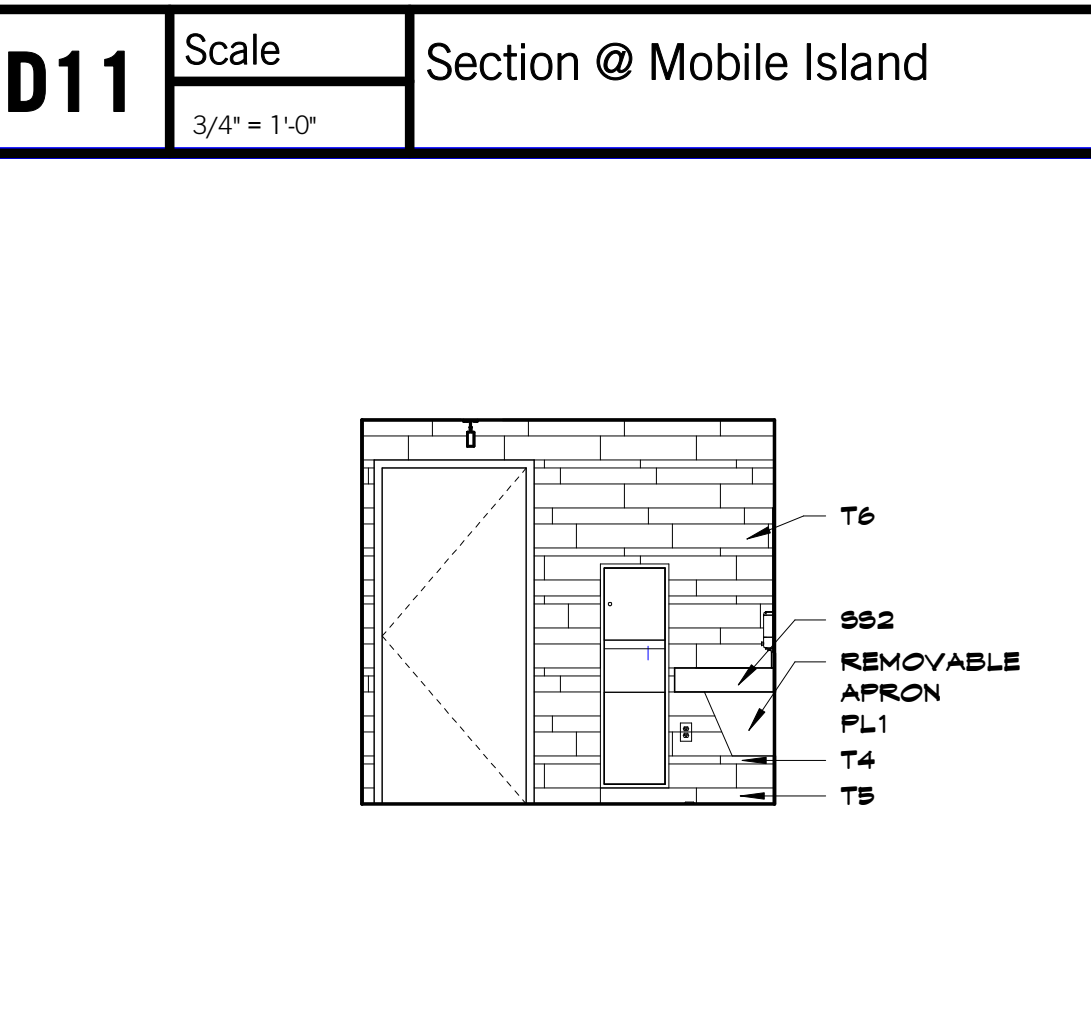
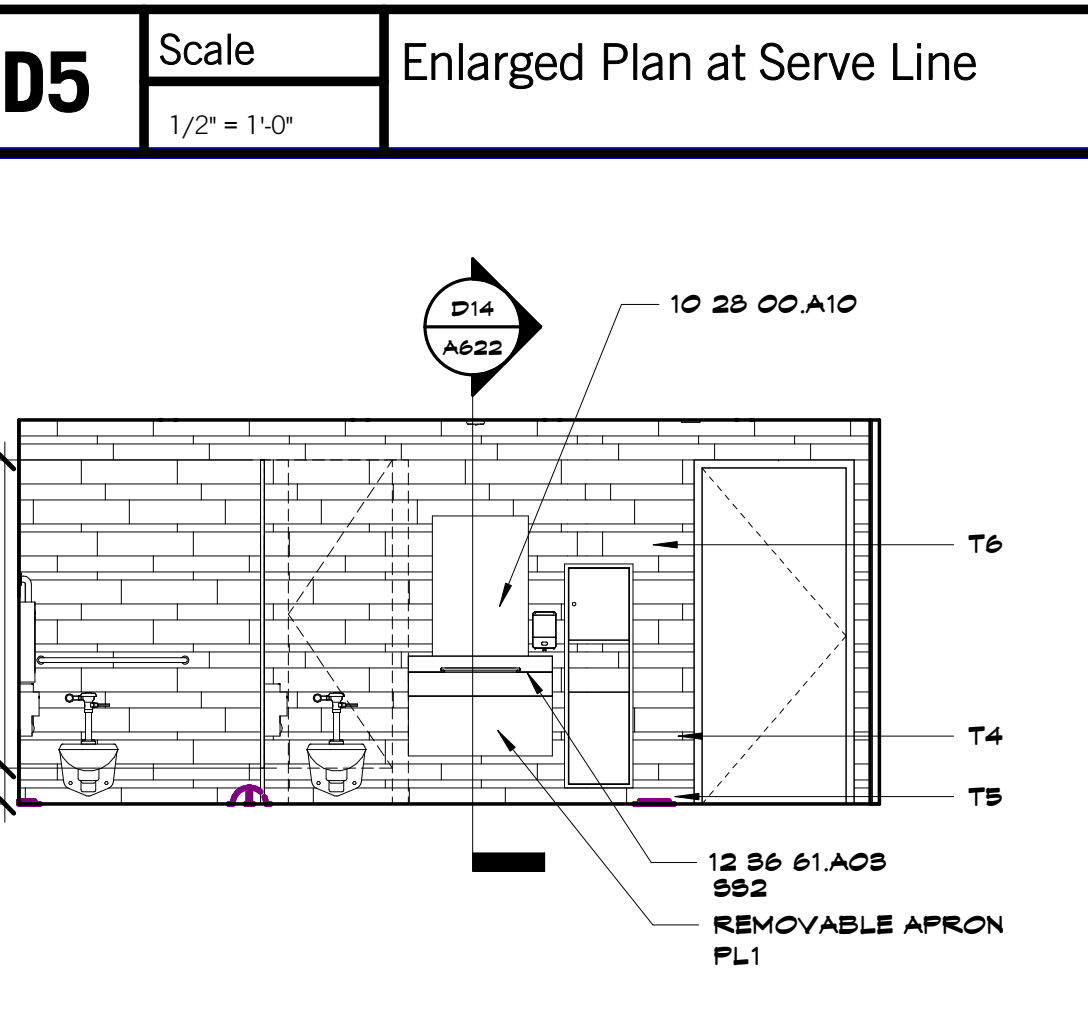
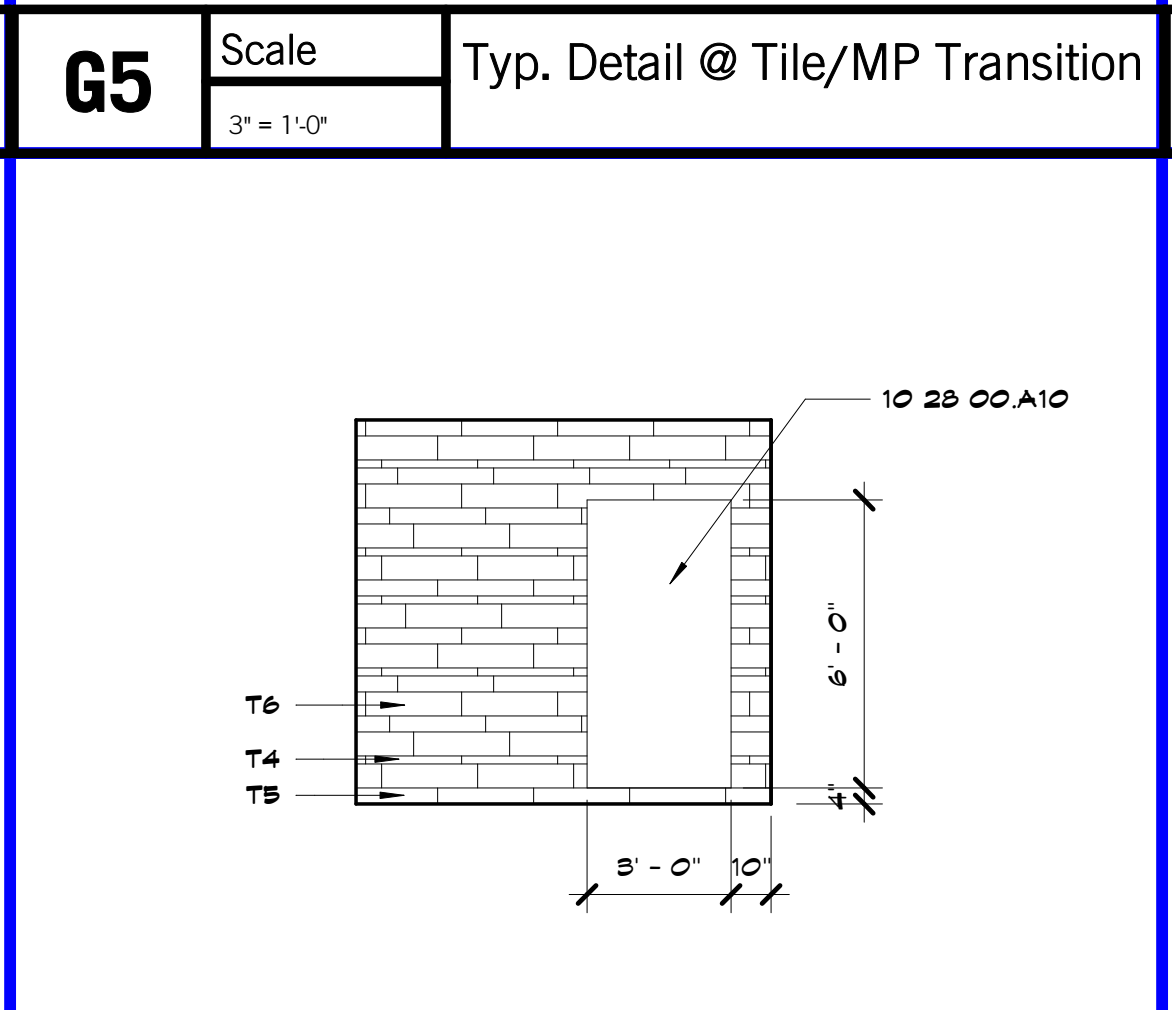
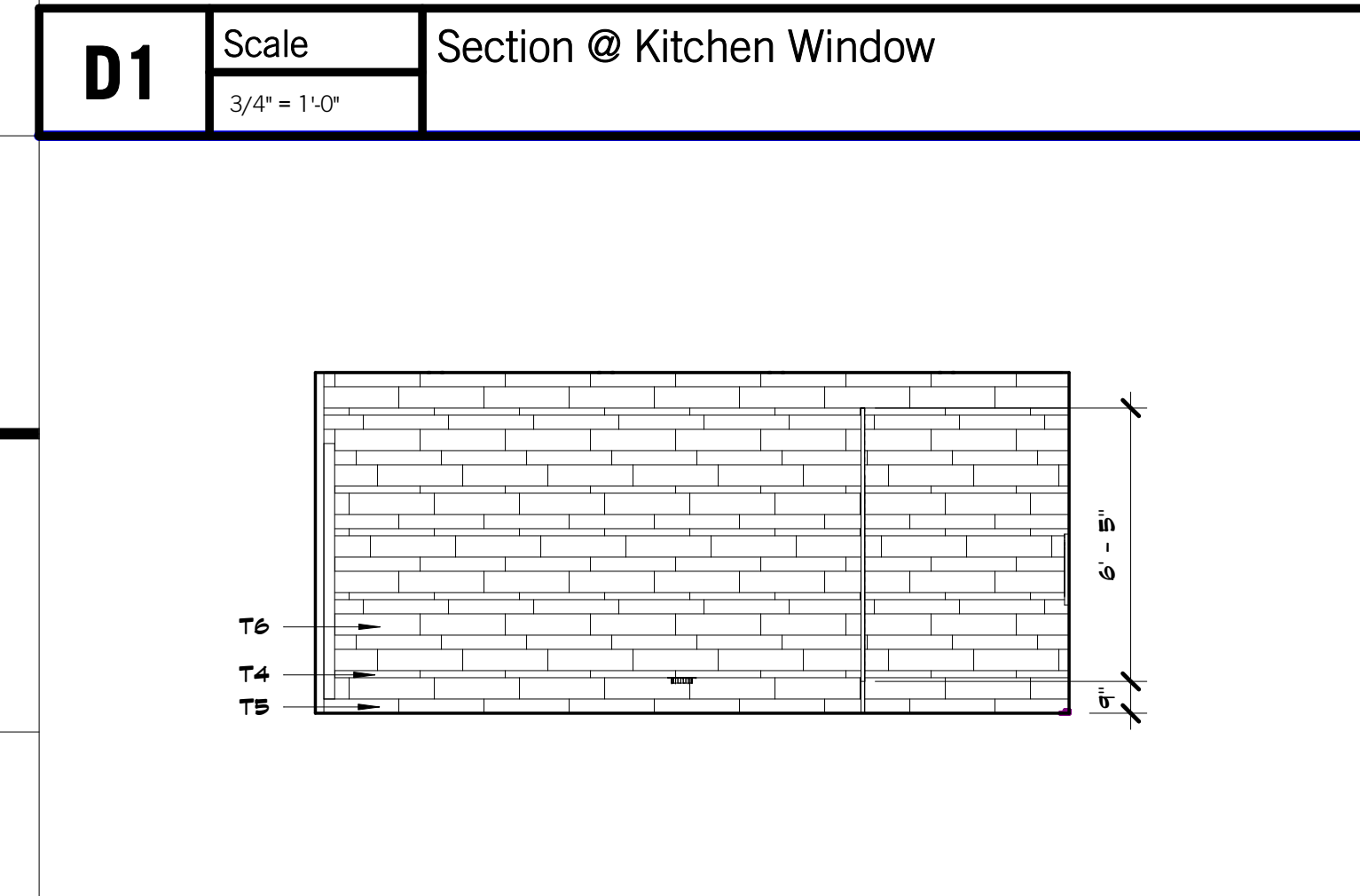
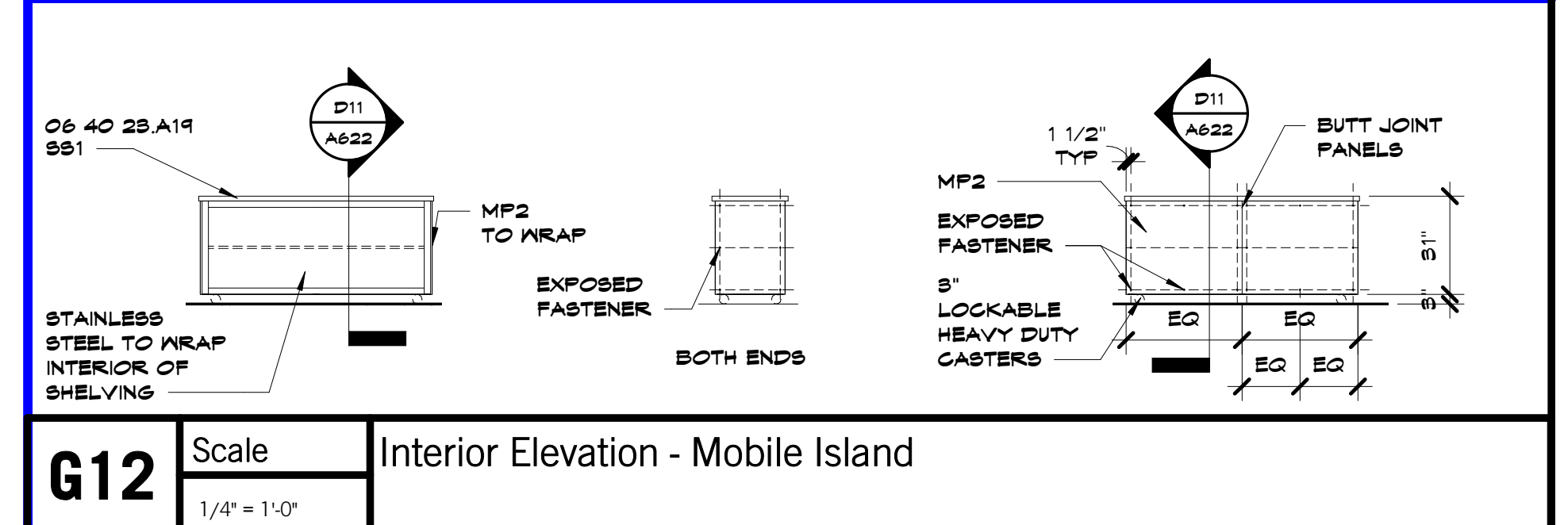
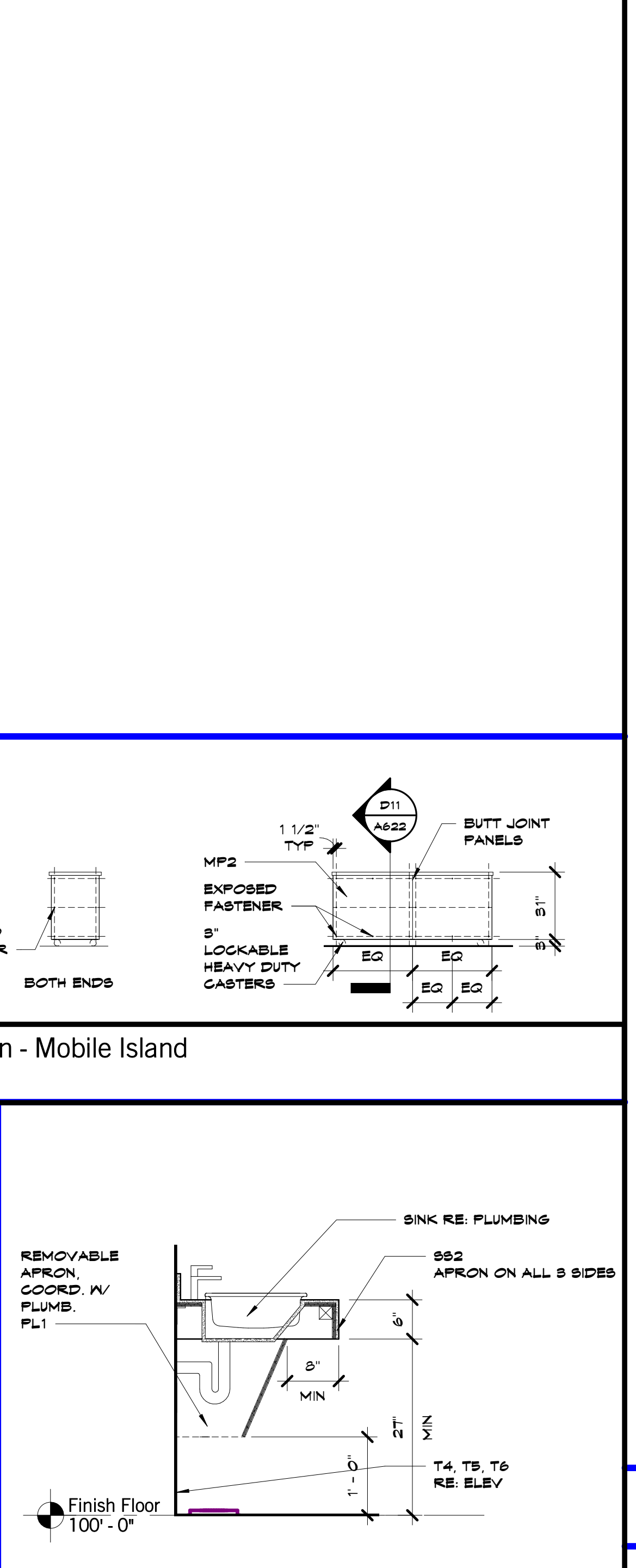
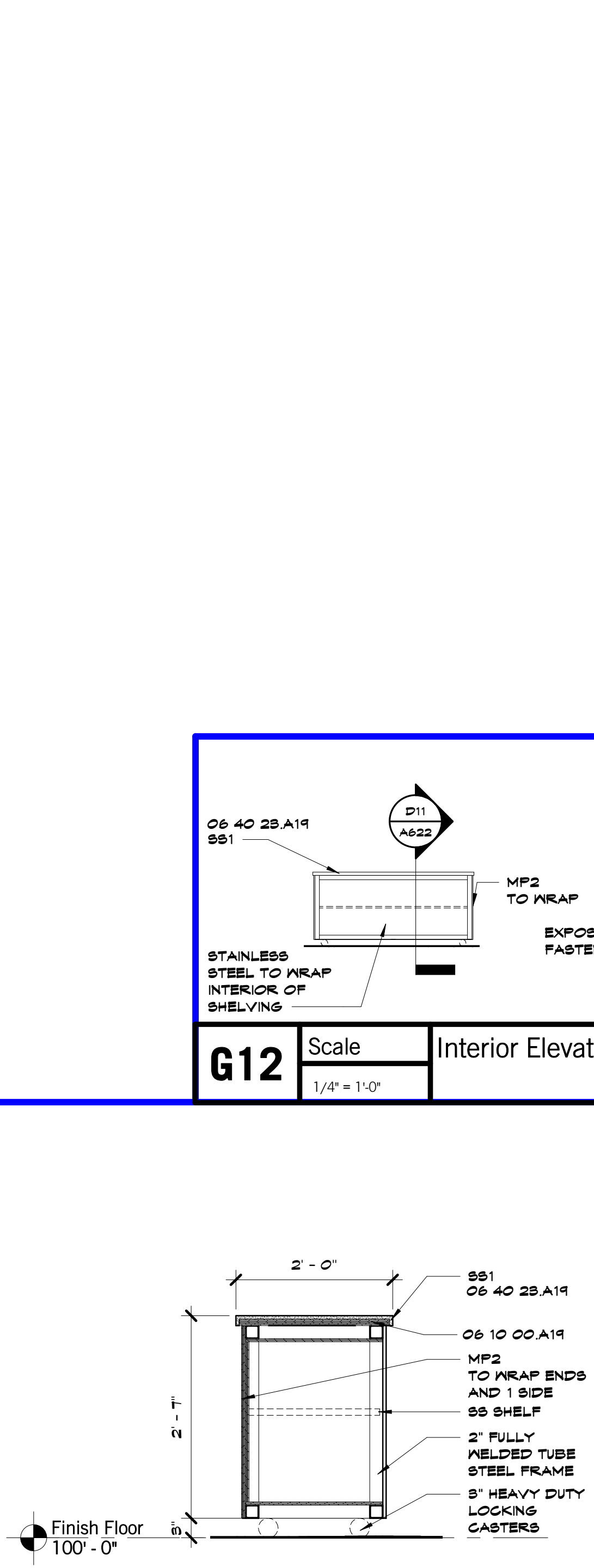
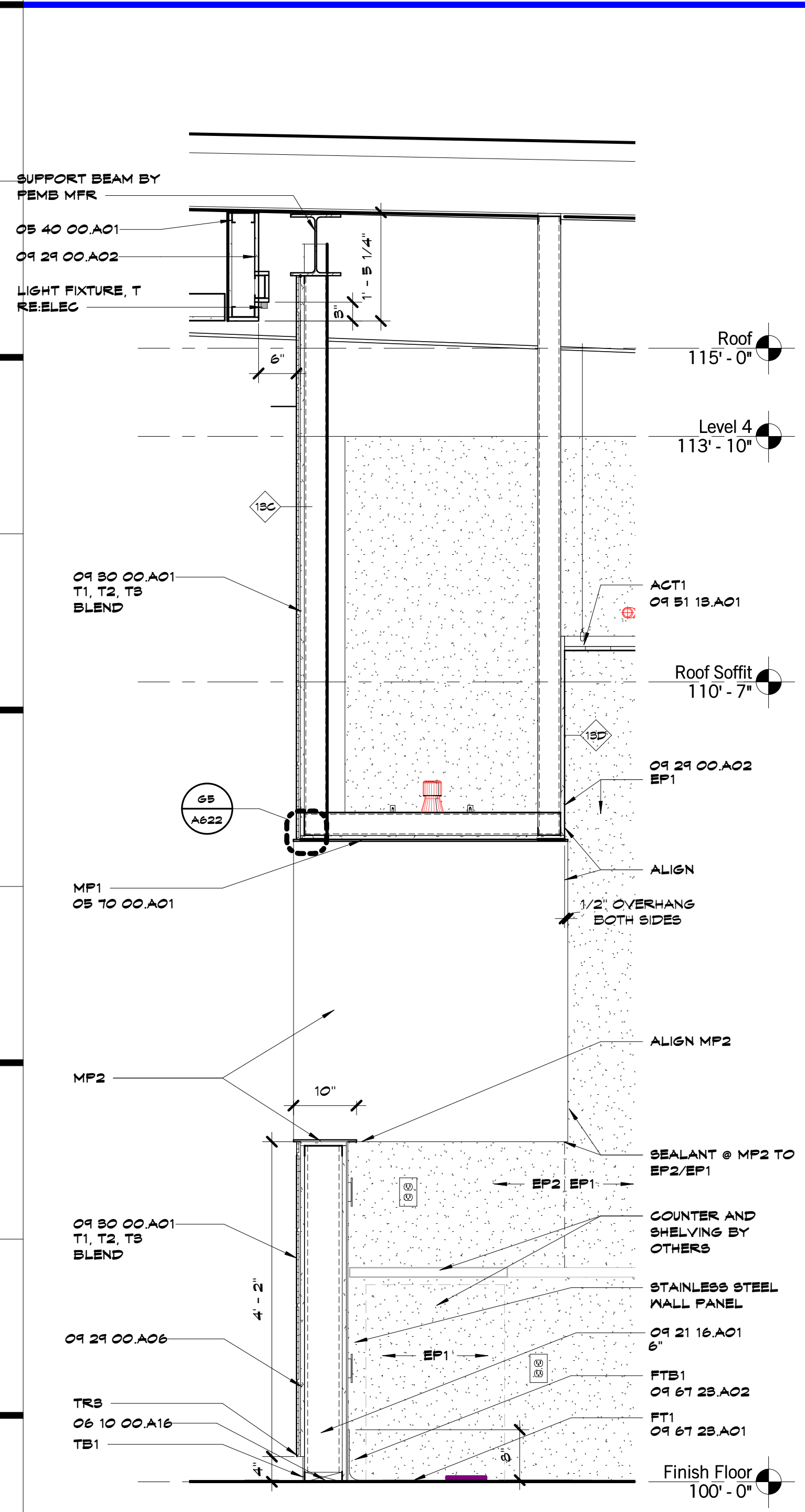
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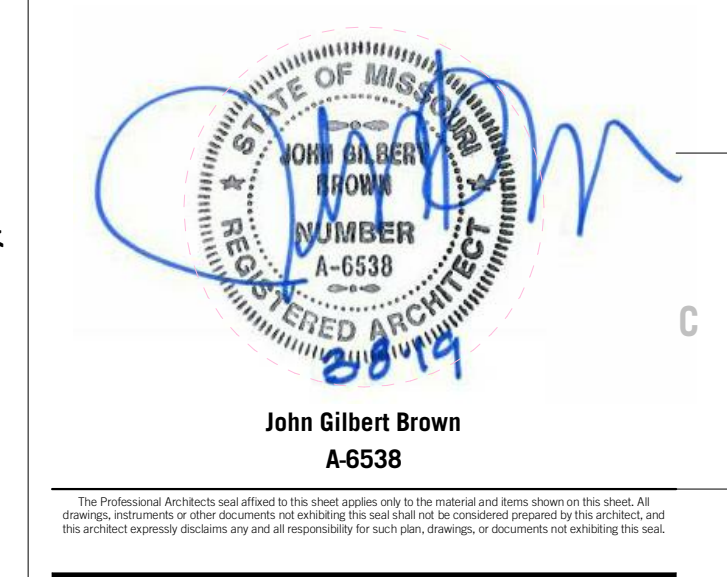


CASEWORK NOTES

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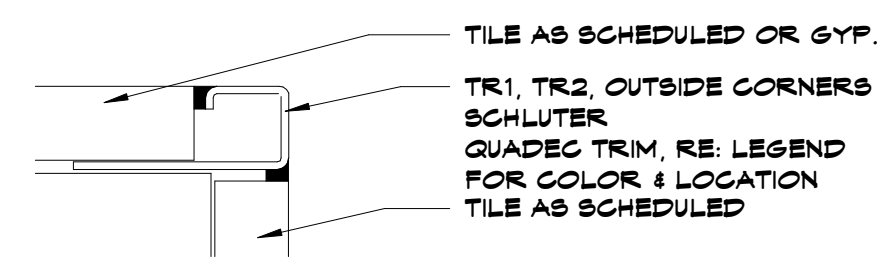
A622

MATERIAL FINISH LEGEND

ID	KEYNOTE	MANUFACTURER	MATERIAL	LOCATION GUIDELINES	REMARKS
ACT1	04 51 18A01	ARMSTRONG	STYLE: CLEAN ROOM VL UNPERFORATED - 15/16" GRID; SIZE: 2X4; COLOR: WHITE		
ACT2	04 51 18A01	ARMSTRONG	STYLE: CALLA; SIZE: 2X2; SQUARE EDGE; 15/16" GRID; CUSTOM COLOR TILE AND GRID; TO MATCH F2		
ACT3	04 51 18A01	ARMSTRONG	STYLE: GALLA; SIZE: 2X4; SQUARE EDGE; 15/16" GRID; COLOR: WHITE		
AP1	04 54 36A01	TECTUM	2-1/2" OVERALL THICKNESS. COLOR AS INDICATED ON DRAWINGS		
G1	04 68 18A01	SHAW CONTRACT	STYLE: STEPPIN OUT COLLECTION ST051 WELCOME II TILE. COLOR: EBONY 31500; 24"x24"		
CS1	05 28 28A02	AMERIFOLISH	STYLE: MICRO-STAIN; COLOR: WALNUT		
DFF1	04 41 28A01	SHERWIN WILLIAMS	SW705 IRON ORE		
DFF2	04 41 28A01	SHERWIN WILLIAMS	SW704 URBAN BRONZE		
EP1	04 46 00A01	SHERWIN WILLIAMS	SW705 EGRET WHITE		
EP2	04 46 00A01	SHERWIN WILLIAMS	SW704 IRON ORE		
FT1	04 67 28A01	DUR-A-FLEX	POLYURETHANE MDS; COLOR: TO BE SELECTED FROM MANUFACTURER'S STANDARD OFFERINGS; INDUSTRIAL GRADE		
FT2	04 67 28A01	DUR-A-FLEX	GRANITE SERIES; 1/4" FLAKE; EQUAL PARTS: C606 LIGHT GRAY AND C620 DARK GRAY; GREY BACKGROUND		
FTB1	04 67 28A01	DUR-A-FLEX	3" INTEGRAL BASE; POLYURETHANE MDS; COLOR: TO BE SELECTED FROM MANUFACTURER'S STANDARD OFFERINGS; INDUSTRIAL GRADE		
MP1	05 78 00A01	RE: SPEC	DECORATIVE FORMED METAL; BLACKENED STEEL PLATE		
MP2	05 78 00A01	RE: SPEC	DECORATIVE FORMED METAL; BLACKENED STEEL PLATE w/ CLEAR COAT FINISH		
PF1	04 41 28	SHERWIN WILLIAMS	SW705 EGRET WHITE		
PF2	04 41 28	SHERWIN WILLIAMS	SW704 IRON ORE		
PF3	04 41 28	SHERWIN WILLIAMS	SW704 URBAN BRONZE		
PC	05 38 28A01	RE: SPEC	FOLISHED CONCRETE w/ CLEAR SEAL		
PL1	06 40 28A16	FORMICA	BLACK		
RB1	04 68 18A01	ROPPE	BLACK		
B1	06 40 28A01	MINNAX	TRANSPARENT WOOD STAIN; COLOR: TIDAL WOOD MN 418		
BC	05 30 00A21	RE: SPEC	STAINED CONCRETE; BASIS OF DESIGN COLOR: AMERIFOLISH WALNUT		
BS1	12 38 64A01	MILSCNART	STYLE: QUARTZ; COLOR: HALDI Q4032		
BS2	12 38 64A01	MILSCNART	STYLE: QUARTZ; COLOR: RAIN SHADOW Q4034		
T1	04 50 00A01	DALTILE	EVER; LIGHT POLISHED FIELD TILE; MOON EV01; 12"x24"; GROUT COLOR: TEC 988 PEARL		
T2	04 50 00A01	DALTILE	EVER; UNPOLISHED FIELD TILE; MOON EV01; 12"x24"; GROUT COLOR: TEC 988 PEARL		
T3	04 50 00A01	DALTILE	EVER; TEXTURED FIELD TILE; EV01; 12"x24"; GROUT COLOR: TEC 988 PEARL		
T4	04 50 00A01	MOBA	STYLE: TERRA TONES; COLOR: 218 GREY GREEN; 2' X 24"; GROUT COLOR: TEC 941 RAVEN		
T5	04 50 00A01	MOBA	STYLE: TERRA TONES; COLOR: 218 GREY GREEN; 4' X 24"; GROUT COLOR: TEC 941 RAVEN		
T6	04 50 00A01	MOBA	STYLE: TERRA TONES; COLOR: 218 GREY GREEN; 6' X 24"; GROUT COLOR: TEC 941 RAVEN		
TB1	04 50 00A02	VRISGNA TILE	CROSSVILLE; COLOR: BY NUMBERS; A PERFECT TEN; 4"x12"; GROUT COLOR: TEC 941 RAVEN		
TR1	04 50 00A04	SCHLITZER	QUADEG; COLOR: T8D		
TR2	04 50 00A04	SCHLITZER	QUADEG; COLOR: BLACK		
TR3	04 50 00A04	SCHLITZER	1/2" JOLLY; COLOR: BLACK		
WD1	06 40 28A95	TERRA MAI	RECLAIMED WOOD PLANK; LOST COAST REDWOOD PANELING 90% WEATHERED GRAYS; 10% BROWNS	CHEF'S TABLE 108	
WD2	06 40 28A95	RE: SPEC	2X4 SQUARE EDGE; POPLAR OR SIMILAR WOOD BEAMS (DECORATIVE); S1 FINISH		
WD3	04 54 38A01	UBS	TRUE WOOD MODULAR GRILLES; 12' X 96' X 2-9/4"; 8 SLATS PER PANEL; COLOR: CUSTOM STAIN TO MATCH ARCHITECT'S CONTROL SAMPLE		
WS1	10 14 00A02	DIMENSION LETTERS	ROUTED ALUMINUM		
WP1	04 70 00	RE: SPEC	STAINLESS STEEL WALL PANEL		

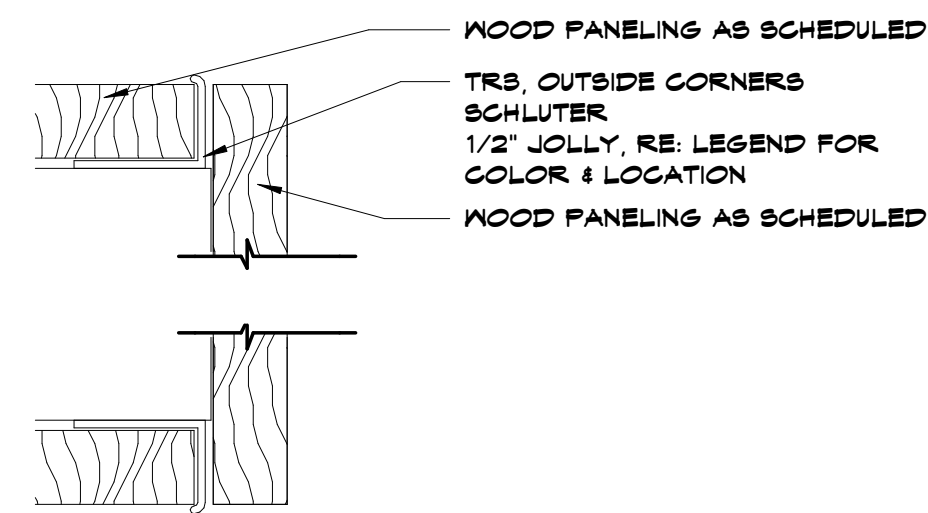
ROOM FINISH SCHEDULE

NO	ROOM Name	FLOOR		WALLS				CEILING	Finish Notes
		Finish	Base	North	East	South	West	Finish	
100	Vestibule	PC, G1	RB1	WD1	WD1	WD1	WD1	P1	
101	Lobby	PC	TB1	WD1	WD1	T1, T2, T3	WD1	P1	
102	Mail Station	PC/CS1	TB1	EP2	EP2	EP2	EP2	P1	
103	Chef's Table	PC	TB1	T1, T2, T3, P1	WD1	WD3, P1	T1, T2, T3, P1	REF. RCP	
104	Dining Room	PC/CS1	RB1	REF. INT. ELEV.	WD1	REF. INT. ELEV.	WD1	REF. RCP	
105	Corridor	PC/CS1	RB1	P1	P2	P2	P2	P1	
106	Restroom	PC	T5	T4, T5, T6	T4, T5, T6	T4, T5, T6	T4, T5, T6	ACT3	
107	Restroom	PC	TB1	T4, T5, T6	T4, T5, T6	T4, T5, T6	T4, T5, T6	ACT3	
108	Utility	SC	RB1	EP1	EP1, FT2	EP1, FT2	EP1, FT2	ACT2	FT2 @ MOP SINK WALLS
109	Kitchen	FT1	FTB1	EP1, FT2	EP1, FT2	EP1, FT2	EP1, FT2	ACT1	
110	Dry Storage	--	--	--	--	--	--	ACT1	
111	Electrical	SC	RB1	P1	P1	P1	P1	--	
112	Walk-in	--	--	--	--	--	--	--	
113	Walk-in	--	--	--	--	--	--	--	



OUTSIDE TILE CORNERS

TYPICAL AT ALL OUTSIDE TILE CORNERS



OUTSIDE WOOD PANEL CORNERS

TYPICAL AT ALL OUTSIDE WOOD PANEL CORNERS



WOOD PANEL EDGES

TYPICAL AT ALL EXPOSED WOOD PANEL EDGES

D10	Scale	Trim Details
	1/2" = 1'-0"	

GENERAL FINISH NOTES

- REFER TO FLOOR FINISH PLANS, REFLECTED CEILING PLANS, ELEVATIONS, AND DETAILS FOR EXTENT OF MULTIPLE FINISHES.
- UNO, ALL INTERIOR GYPSUM SOFFITS (VERTICAL) FINISH TO MATCH HORIZONTAL FINISH AS NOTED ON RCP OR ROOM FINISH SCHEDULE.
- ALL EXPOSED CEILINGS SPECIFIED AS (OTB) TO BE PAINTED AS INDICATED ON ROOM FINISH SCHEDULE. EXTENT OF PAINTING INCLUDES, BUT NOT LIMITED TO: ANY EXPOSED STRUCTURE, JOISTS, ROOF DECKING, EXISTING TECTUM PANELS, DUCTWORK AND MECH EQUIPMENT, ETC.
- UNO, DO NOT PAINT ANY NATURAL STONE/BRICK, GLAZED BLOCK OR ANY OTHER PRE-FINISHED MATERIALS.
- UNO, INTENT IS FOR ALL OUTSIDE CORNERS AT GYPSUM BOARD WALLS TO HAVE CORNER GUARDS. RE: FINISH FLOOR PLANS FOR LOCATIONS AND TYPES.
- UNO, ALL EXPOSED STEEL TO BE PAINTED.
- UNO, INTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED F2.
- THE FOLLOWING ITEMS SHALL MATCH ADJACENT PAINT/SURFACE FINISH: ELECTRICAL PANELS IN FINISHED ROOMS, AIR GRILLES, LOUVERS ETC. FRIMED OR SPECIFIED TO BE PAINTED, UNFINISHED SPEAKER OUTLET GRILLES, VISIBLE PARTS OF DUCTWORK AND MECH EQUIPMENT BEHIND VENTILATORS, GRILLES, AND DIFFUSERS.
- DO NOT PAINT ALUMINUM OR OTHER NON-FERROUS METALS THAT ARE PREFINISHED.
- FLOORING CONTRACTOR TO PROVIDE ALL APPROPRIATE RESILIENT TRANSITION TRIM PIECES; PROVIDE SAMPLES FOR ARCHITECT/DESIGNER APPROVAL. COLOR TO BE SELECTED BY DESIGNER.
- UNO, PAINT ON VERTICAL GYP WALLS TO BE AN EGGSHELL SHEEN.
- UNO, PAINT ON CEILING SOFFITS, HORIZONTAL AND VERTICAL TO BE A FLAT SHEEN.

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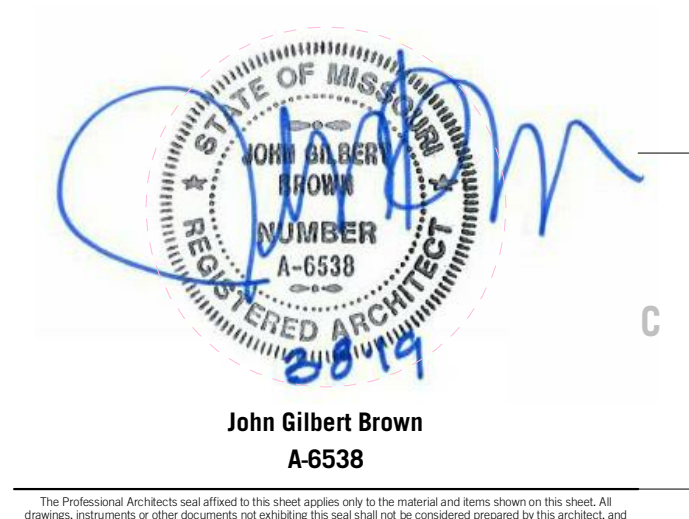
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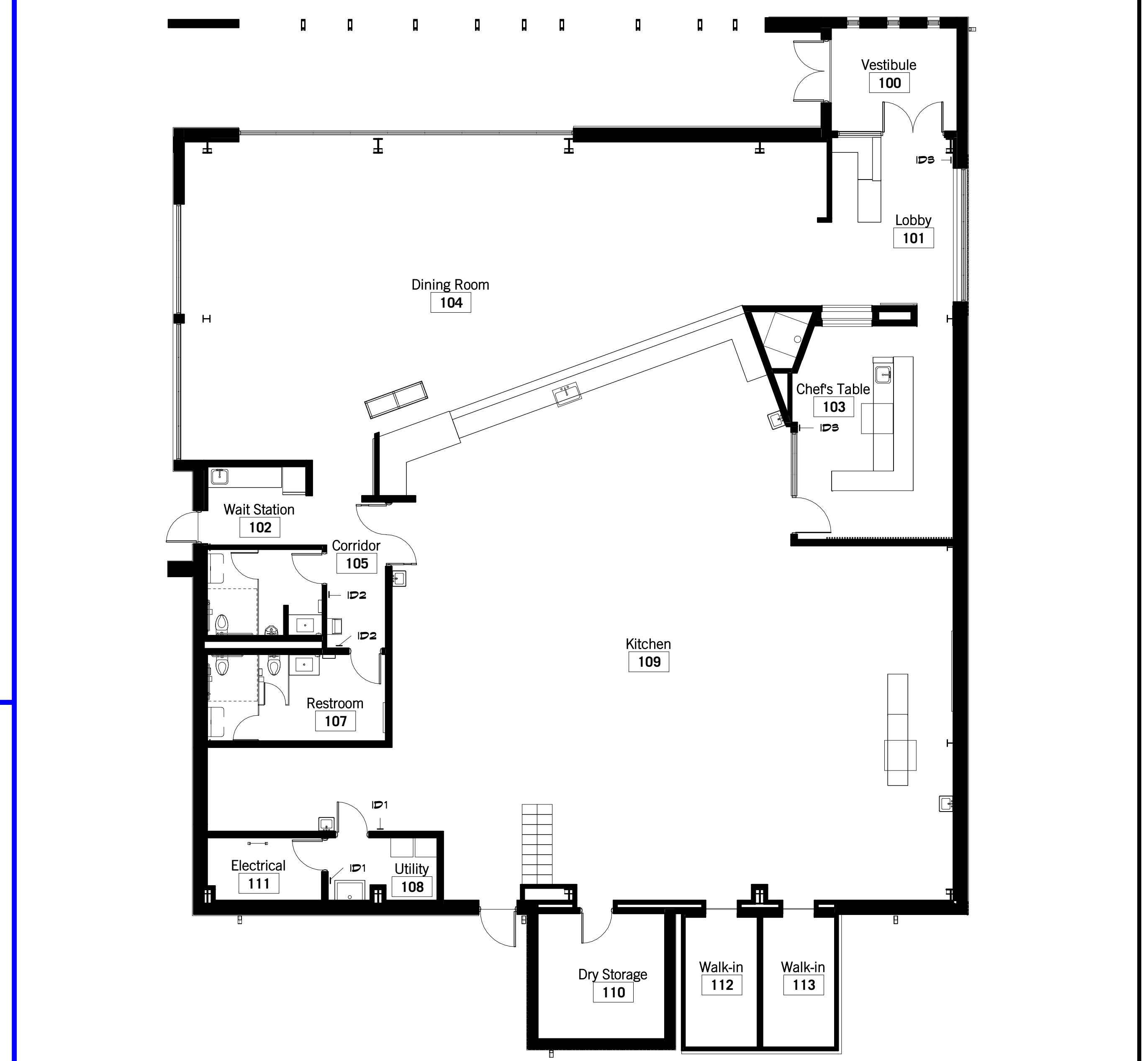
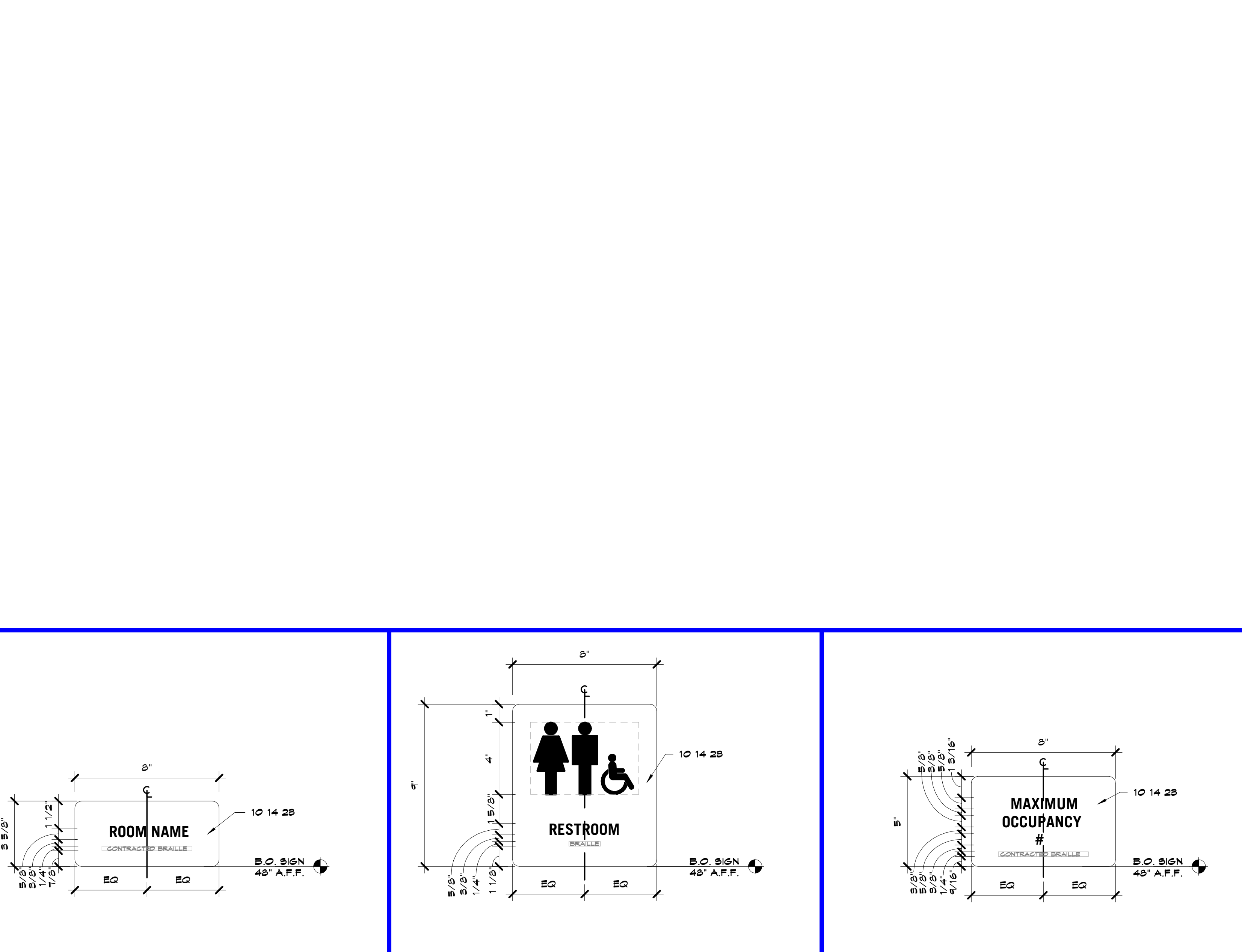
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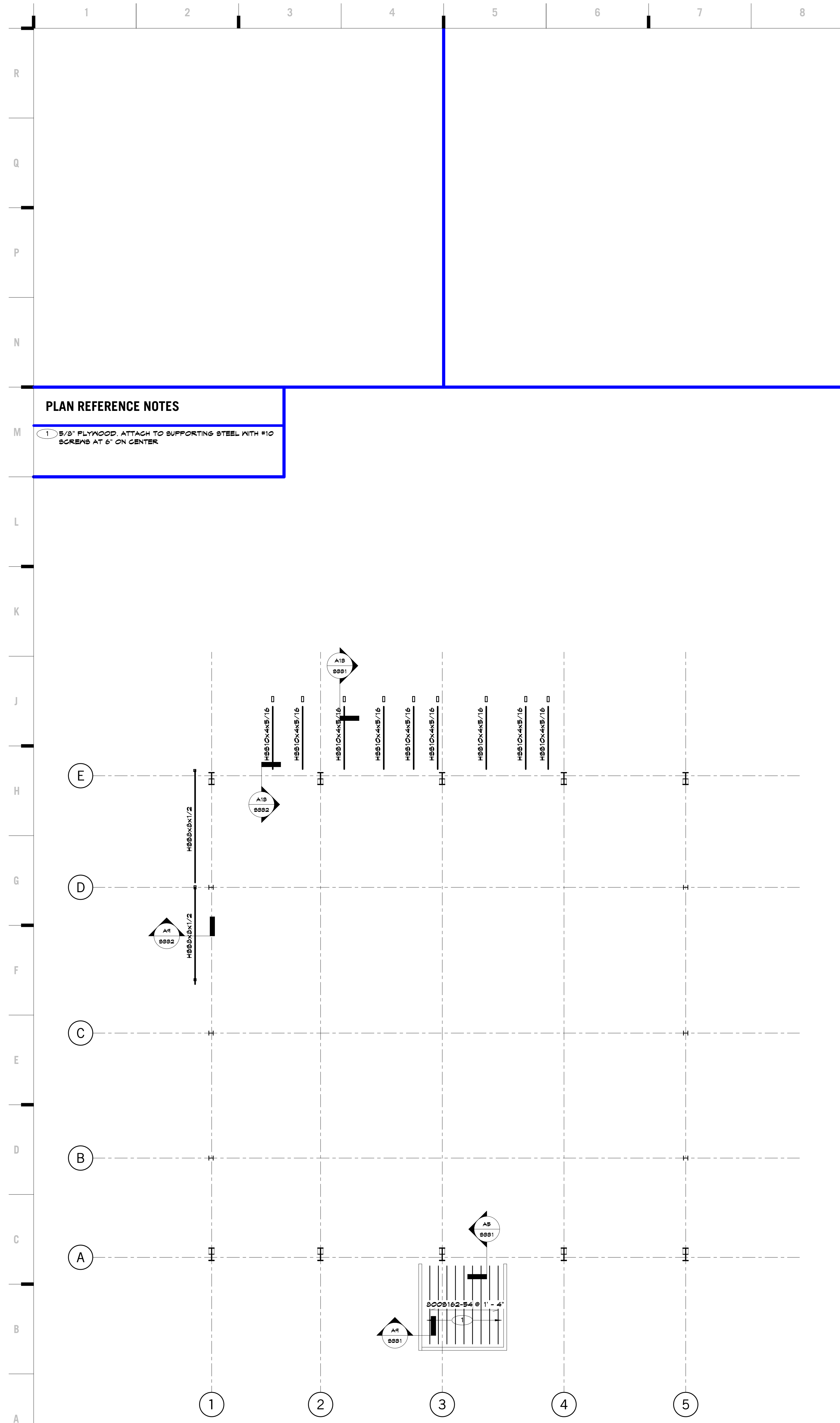
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A801



A1	Scale 3" = 1'-0"	Type ID1 Interior Signage - Permanent Room ID, Single Line	A4	Scale 3" = 1'-0"	Type ID2 Interior Signage - Restroom	A7	Scale 3" = 1'-0"	Type ID3 Interior Signage - Maximum Occupancy	A10	Scale 1/8" = 1'-0"	Signage Floor Plan
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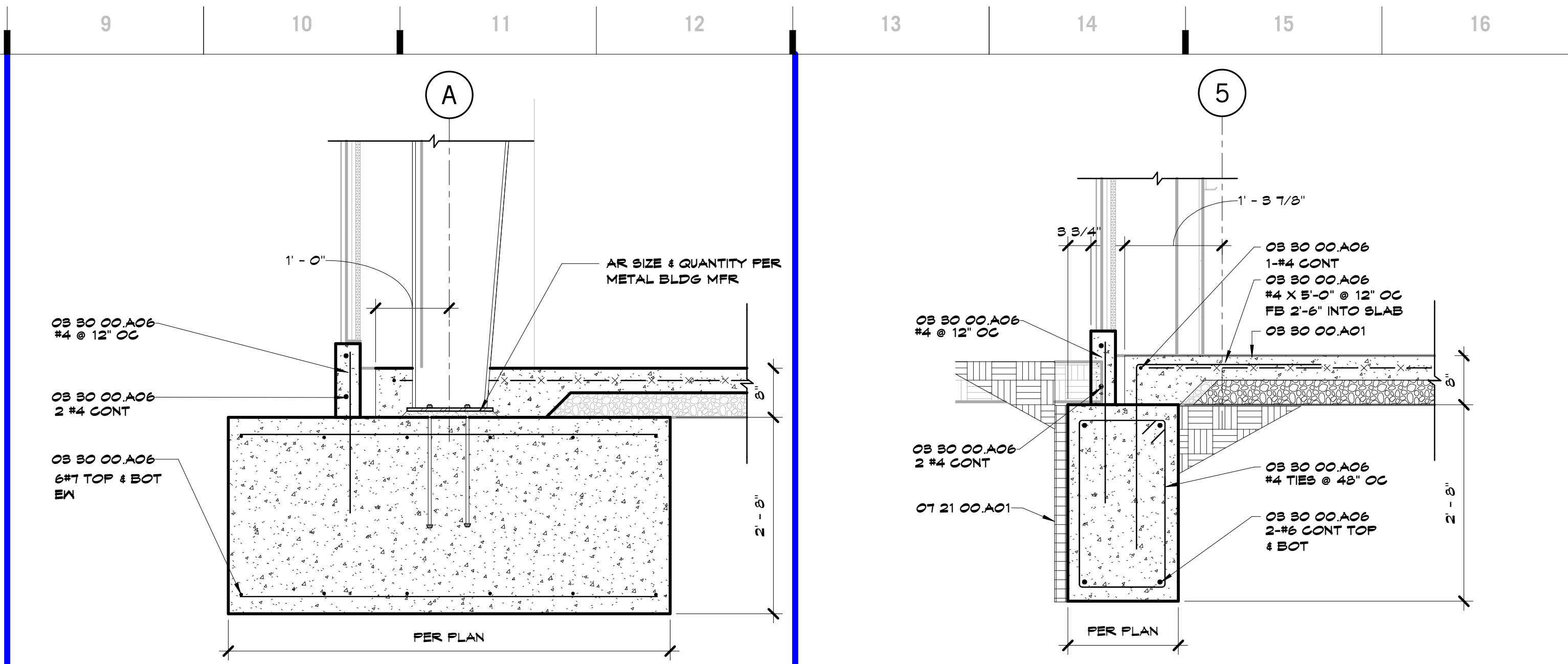
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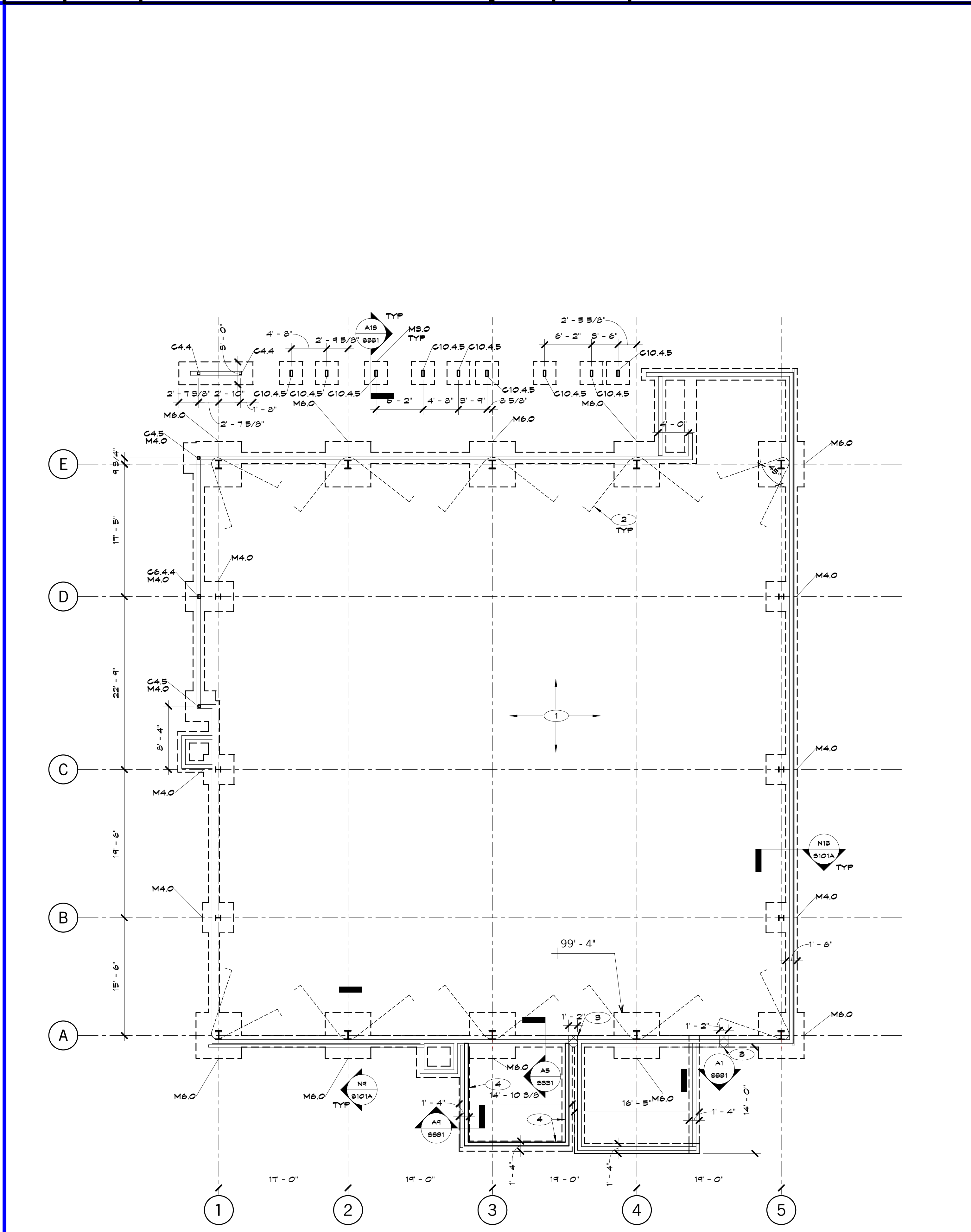
PLAN REFERENCE NOTES

1 3/8" PLYWOOD ATTACH TO SUPPORTING STEEL WITH #10 SCREWS AT 6" ON CENTER

A1 Scale 1/8" = 1'-0" Roof Framing Plan



N9 Scale 3/4" = 1'-0" Section
N13 Scale 3/4" = 1'-0" Section



A9 Scale 1/8" = 1'-0" Foundation Plan

Structural Foundation Schedule

Type	Size	Reinforcement	Placement
M6.0	6'-0" x 8'-0" x 2'-0"	4-#8	TOP & BOT
M4.0	4'-0" x 4'-0" x 2'-0"	4-#8	TOP & BOT
M6.0	6'-0" x 6'-0" x 2'-0"	6-#8	TOP & BOT

Structural Column Schedule

Type	Size	Anchor Rods	Base Plate
C4.4	HSB4x4x1/4	AR-1	8/4X10X10
C4.5	HSB4x4x5/16	AR-1	8/4X10X12
C6.4.4	HSB6x4x1/4	AR-1	8/4X10X12
C10.4.5	HSB10x4x5/16	AR-1	8/4X10X16

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CONSTRUCTION DOCUMENTS

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#	Description	Date



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S101A

PLAN REFERENCE NOTES

- 1 4" CONCRETE SLAB ON GRADE WITH 15 MIL VAPOR RETARDER AND 4" CRUSHED ROCK DRAINAGE FILL PER SPECIFICATION. REINFORCE PER TYPICAL DETAILS. TOP OF CONCRETE ELEVATION = 100'-0" UND
- 2 HAIRPINS TO BE #6 BAR 20'-0" LONG BENT WITH 12" HOOK AT ENDS
- 3 GRADE BEAM FOOTING STEP PER N14/S001
- 4 600S162-34 AT 16" ON CENTER WITH 5/8" OSB WALL SHEATHING. ATTACH TO STUDS AT 4" ON CENTER AT BOUNDARY AND 12" ON CENTER IN FIELD

FOUNDATION NOTES

- A TOP OF FOOTING ELEVATION = 99'-4" UND
- B PROVIDE SLAB BLOCK OUT AT CONTRACTORS OPTION PER A14/S001
- C SLOPE SLAB TO FLOOR DRAIN, LOCATE PER PLUMBING

SHEET KEYNOTE LEGEND

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 11827 W. 112th St. Suite 200
 Overland Park, KS 66210
 913.317.9390 phone
 913.317.9385 fax

CONSTRUCTION DOCUMENTS

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

REVISIONS:

#	Description	Date

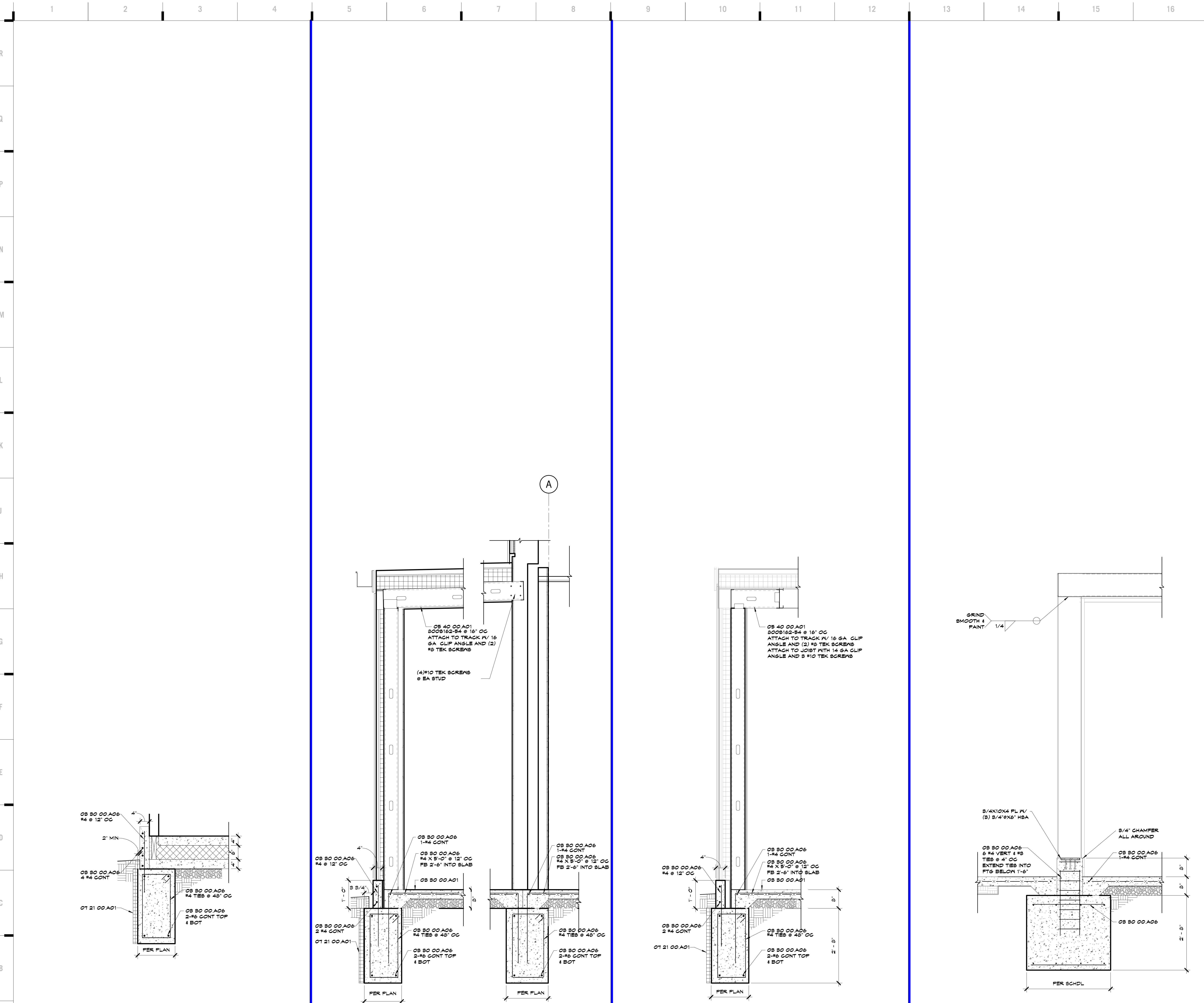


John E. Funk
 E-2000173299

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JOB NO: 17048
 DRAWN BY: TJS
 CHECKED BY: JDT
 DATE: 03.08.2019

S331



Section	Scale	Description
A1	3/4" = 1'-0"	Section
A5	3/4" = 1'-0"	Section
A9	3/4" = 1'-0"	Section
A13	3/4" = 1'-0"	Section

SHEET KEYNOTE LEGEND

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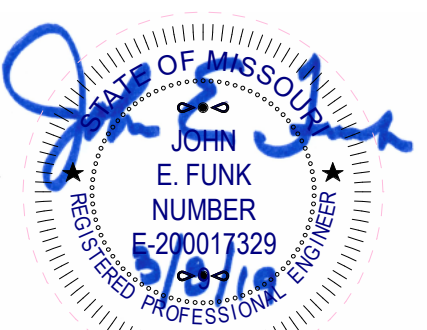
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REVISIONS:

#	Description	Date

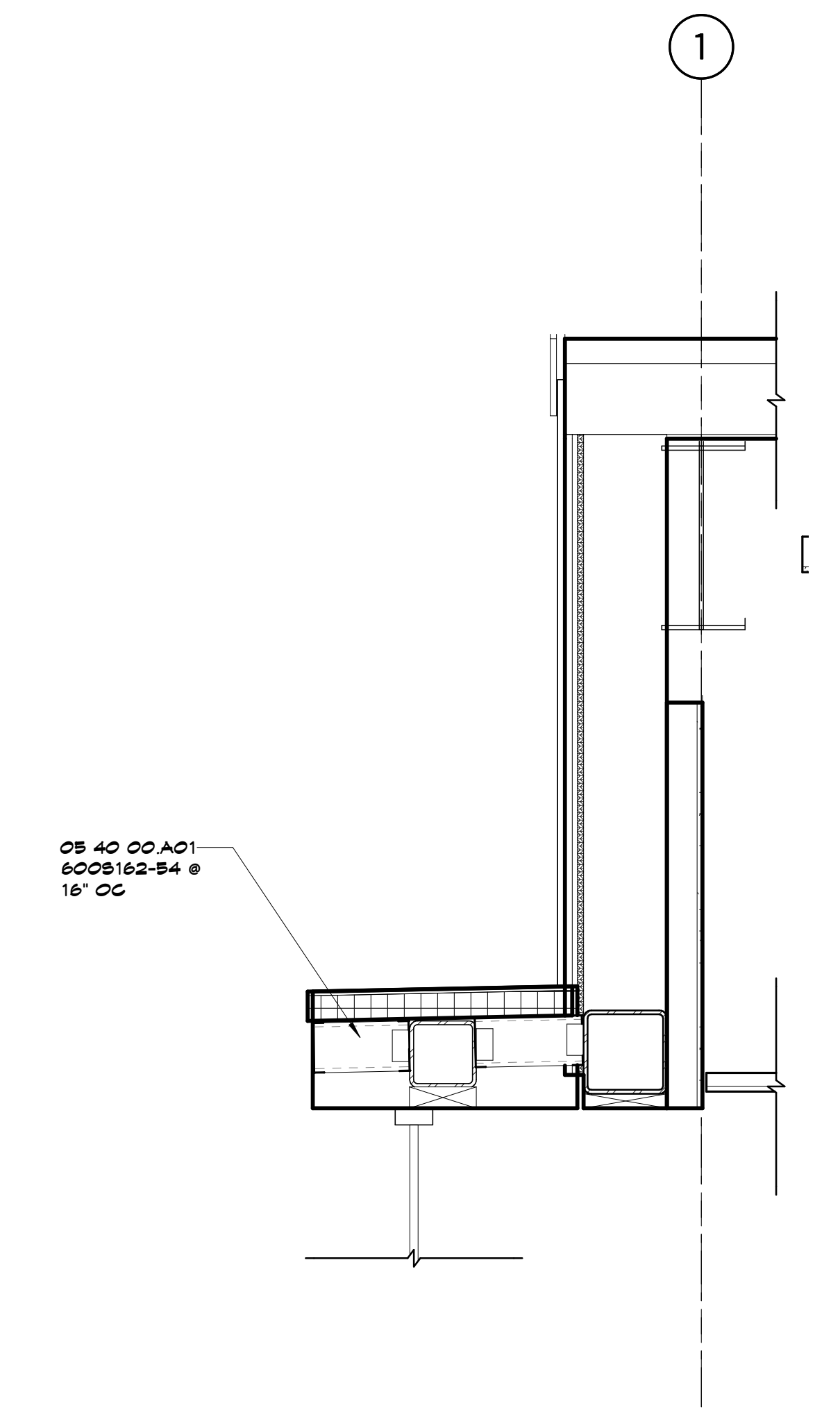


John E. Funk
 E-2000173299

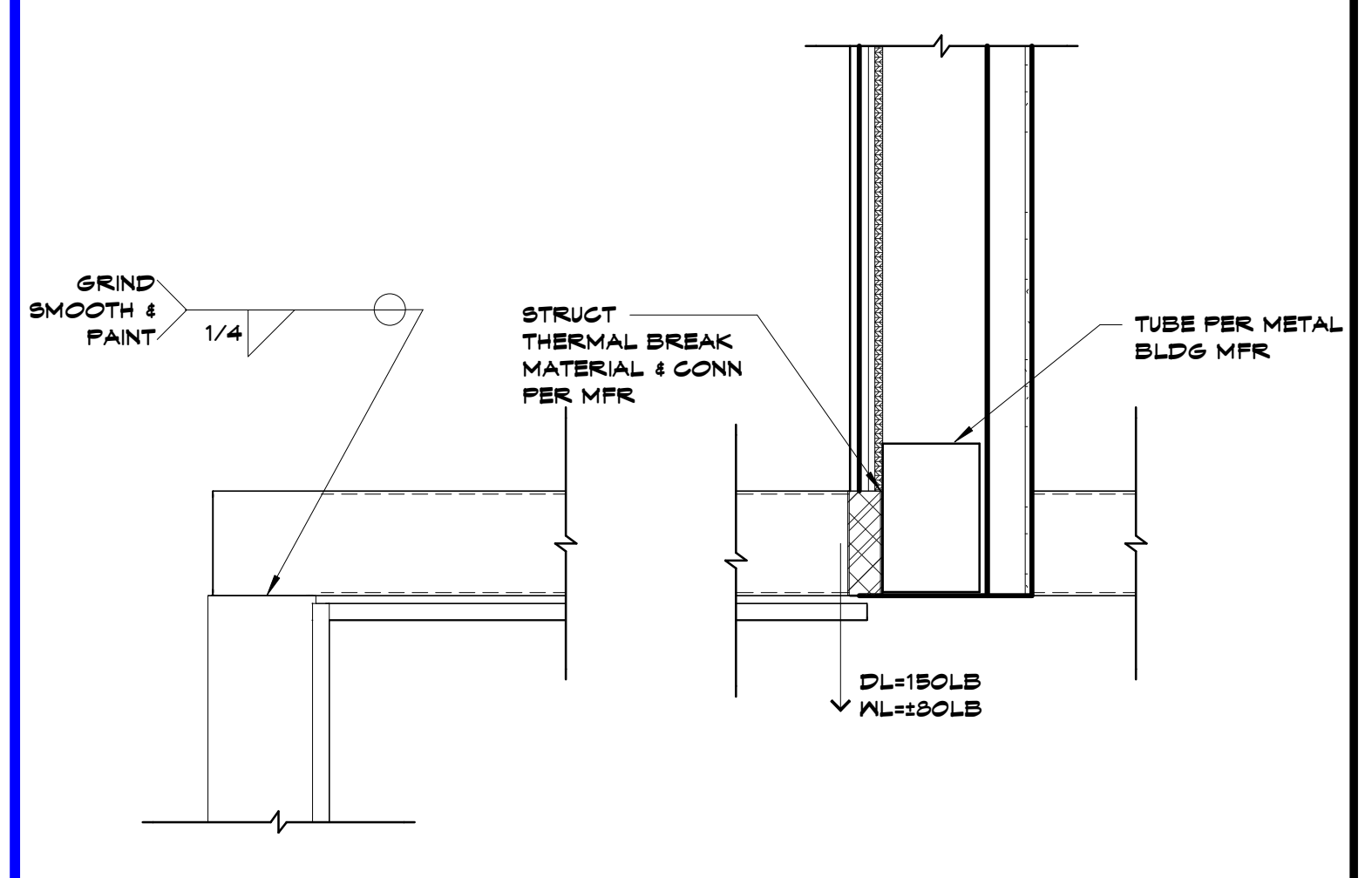
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JOB NO: 17048
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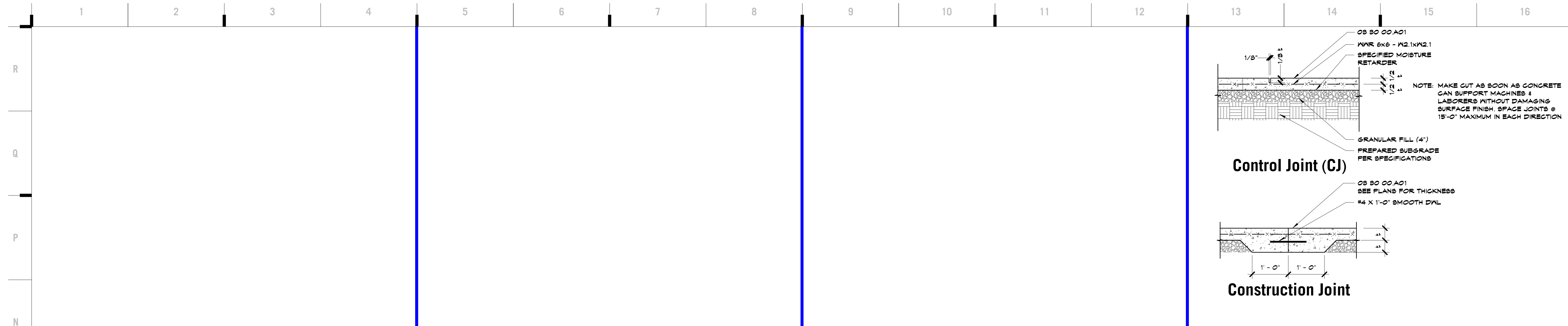
S332



A9 Scale 3/4" = 1'-0" Section 9



A13 Scale 3/4" = 1'-0" Section 5



SHEET KEYNOTE LEGEND

OS 80 00 A01 CAST-IN-PLACE CONCRETE
 OS 80 00 A06 REINFORCING BARS
 OS 12 00 A06 GOLD-FORMED HSB

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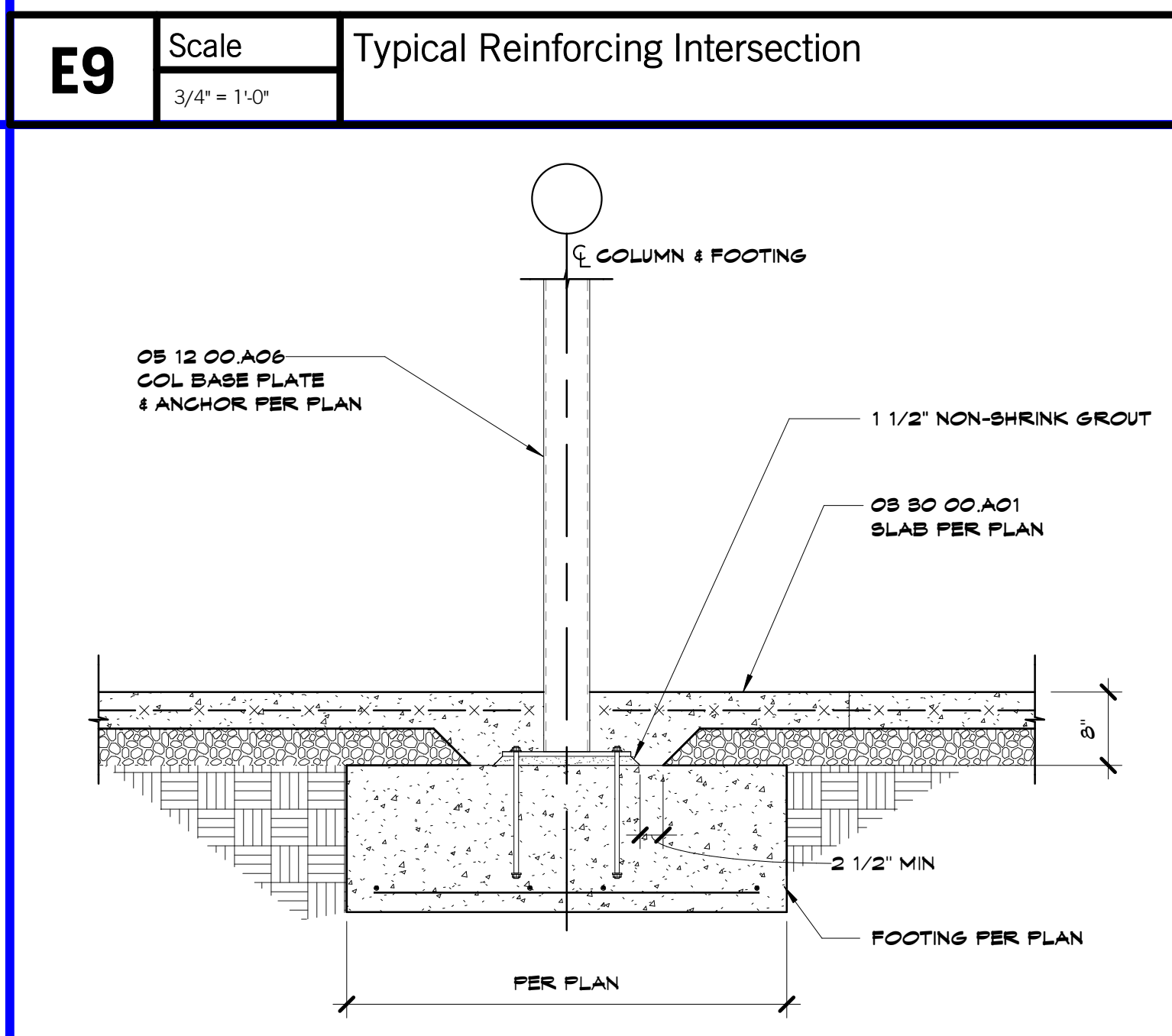
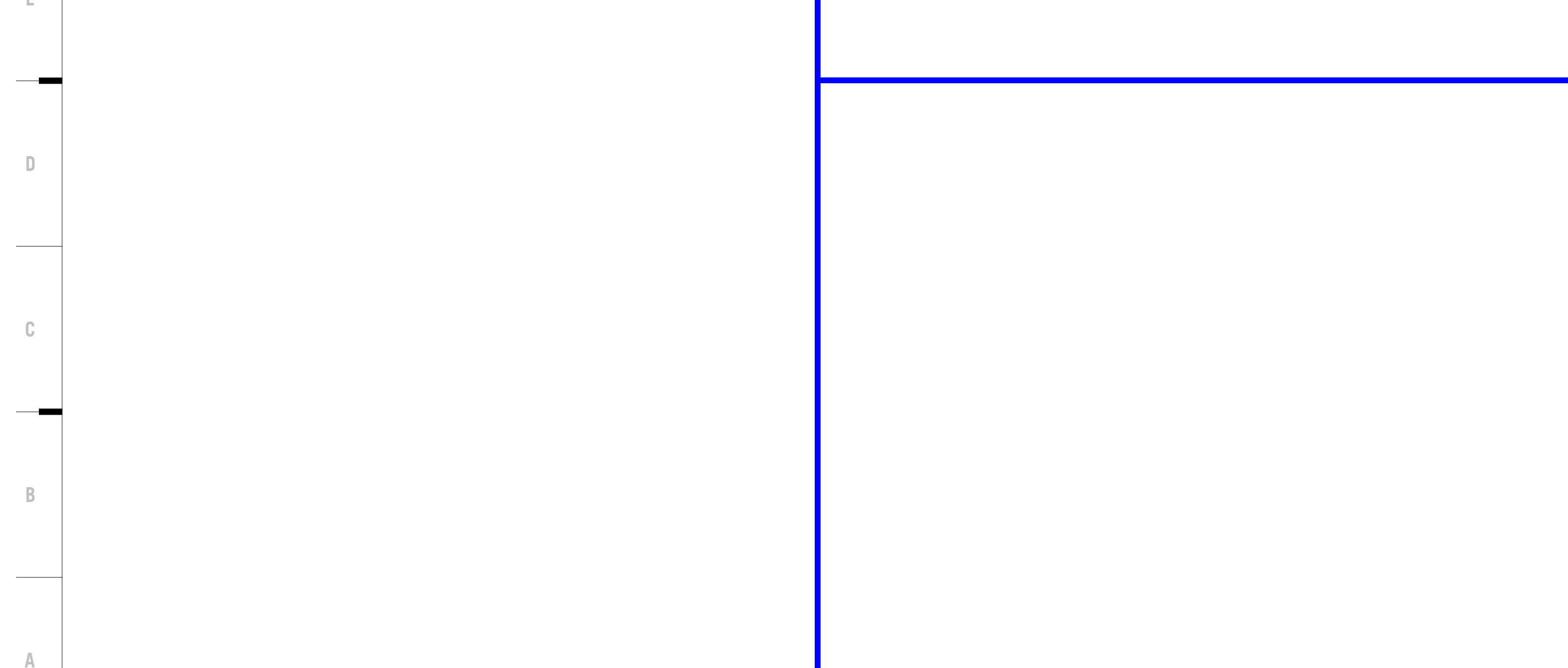
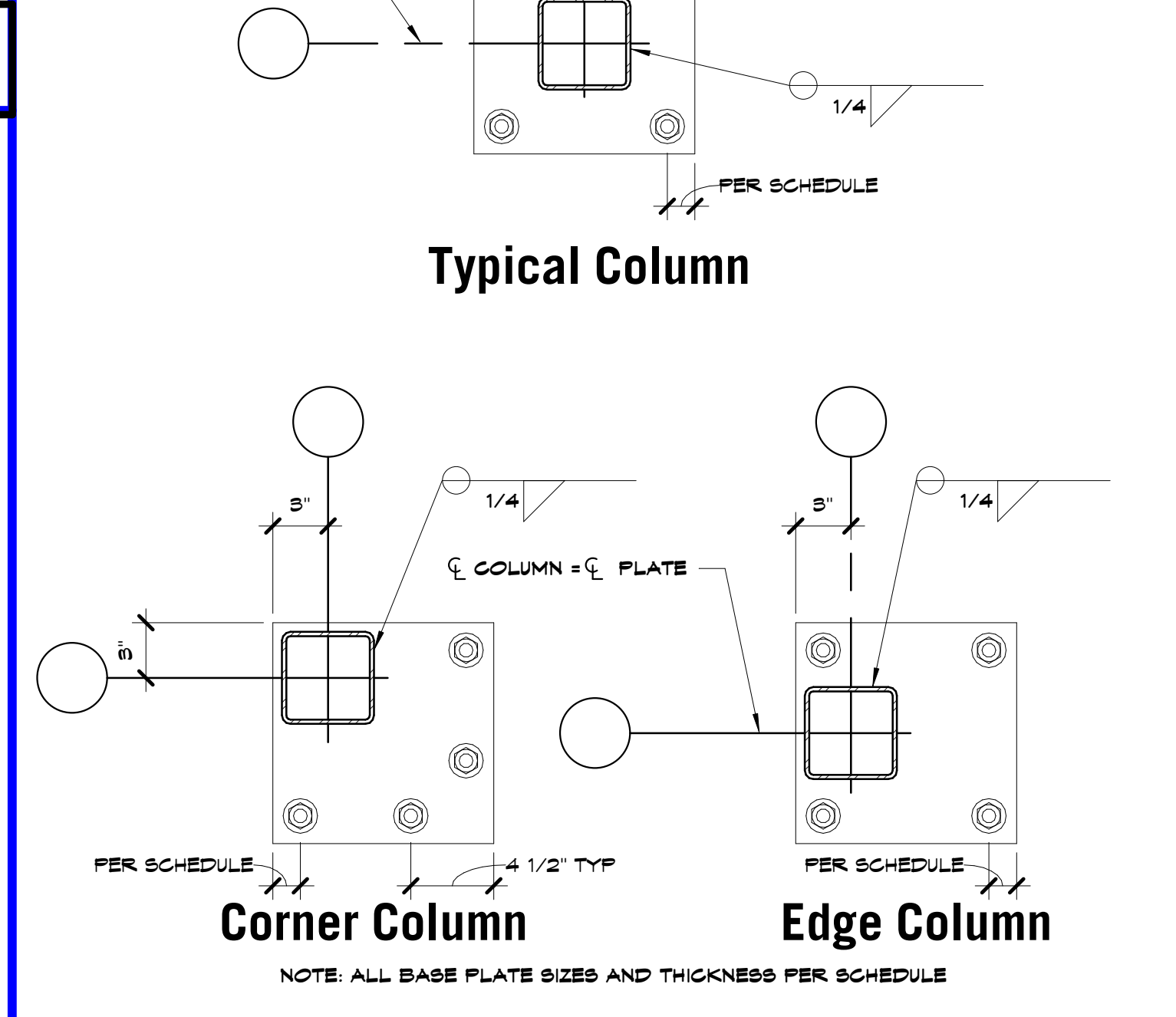
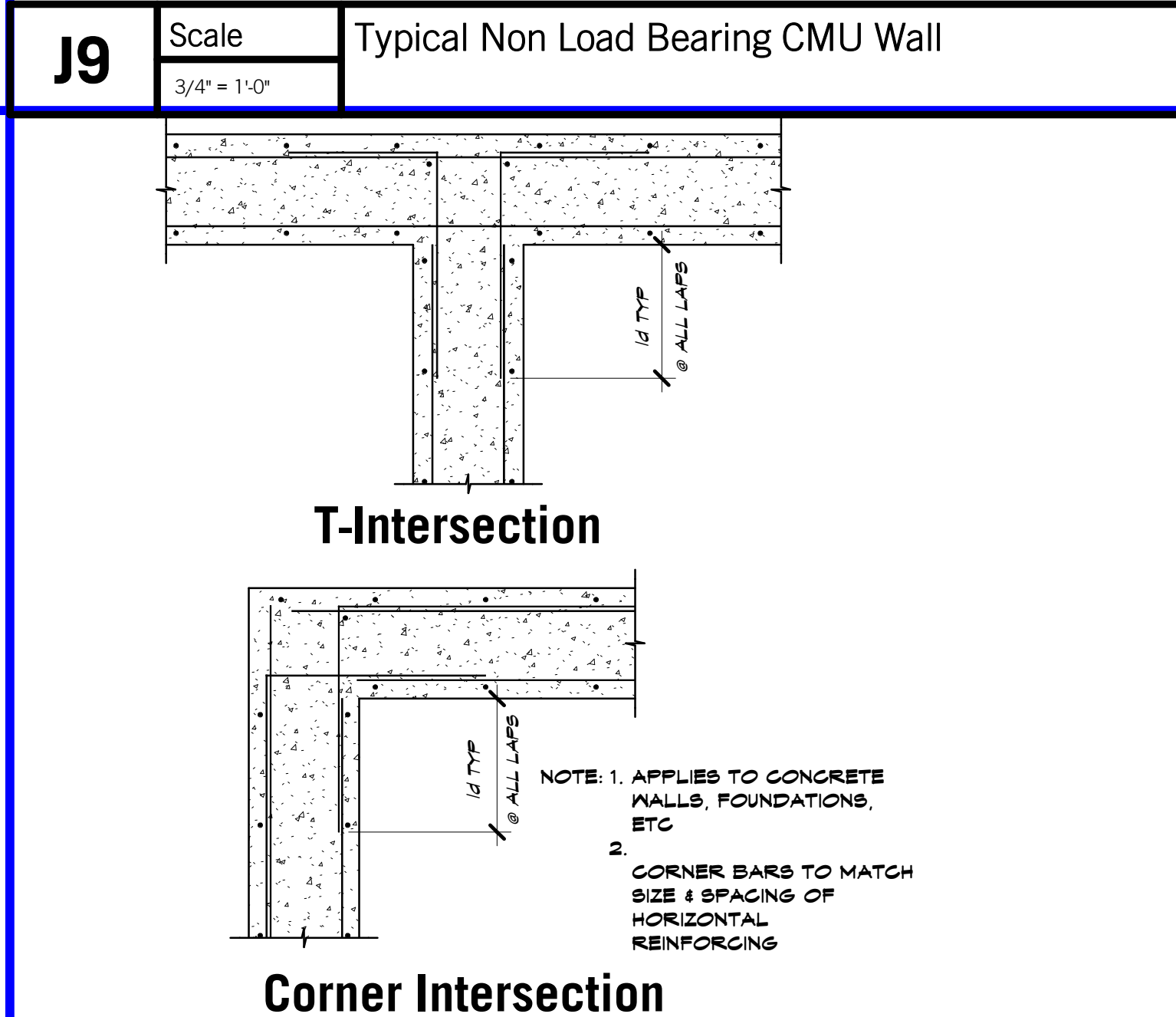
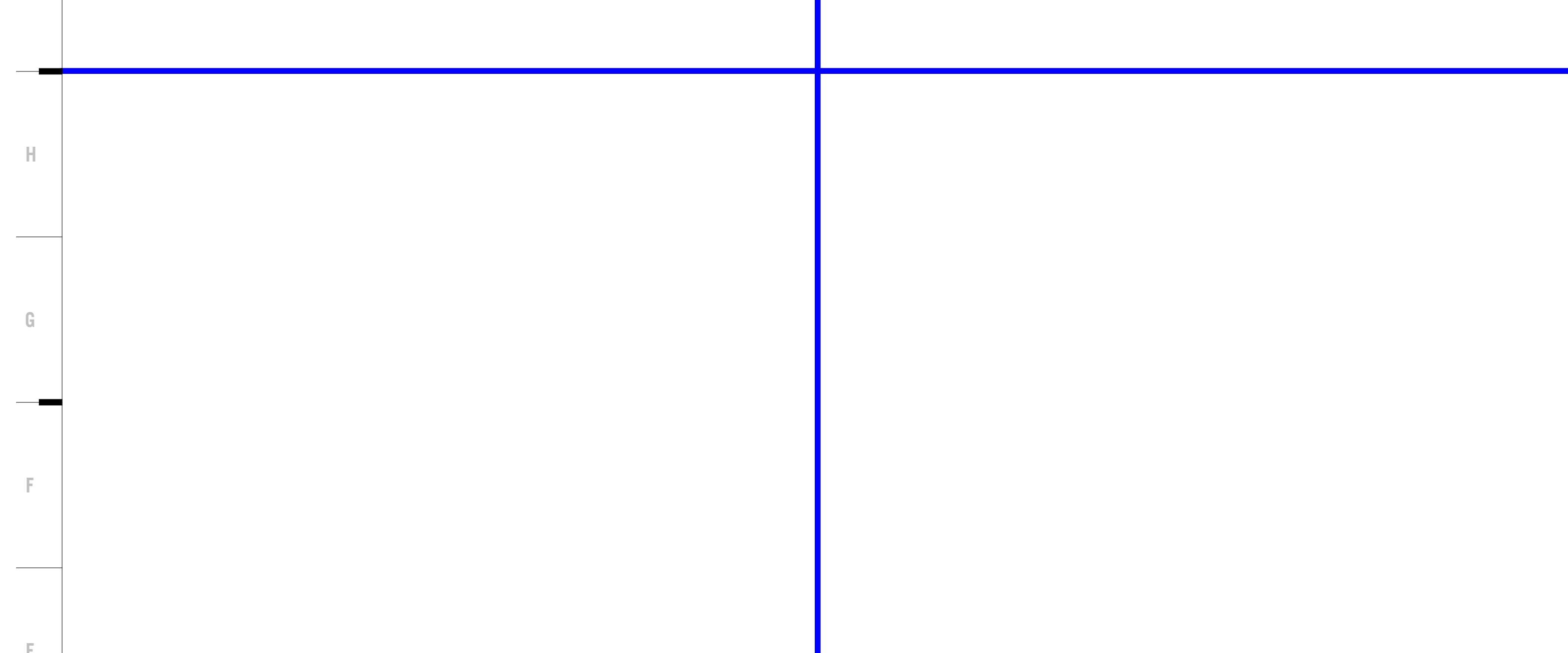
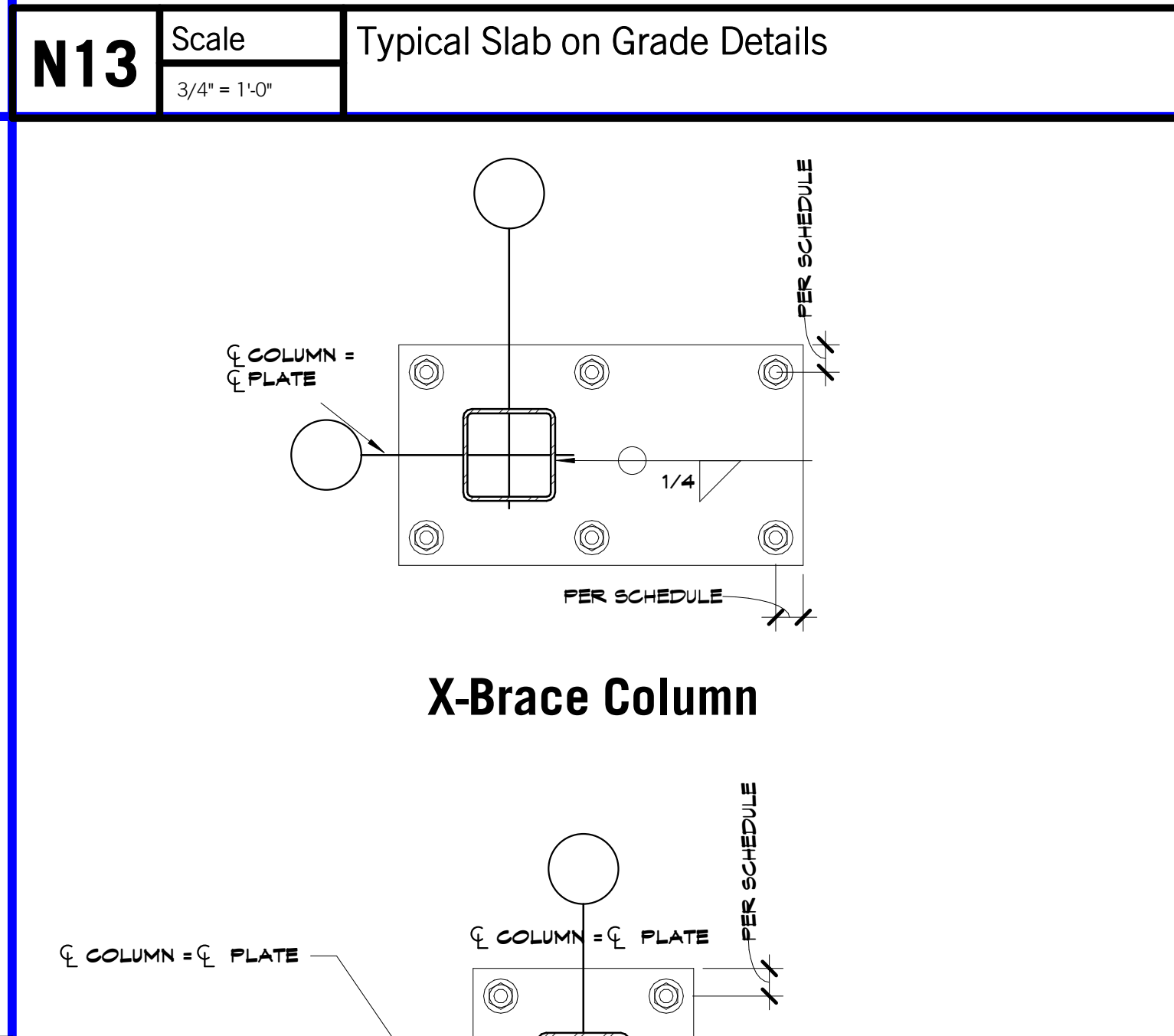
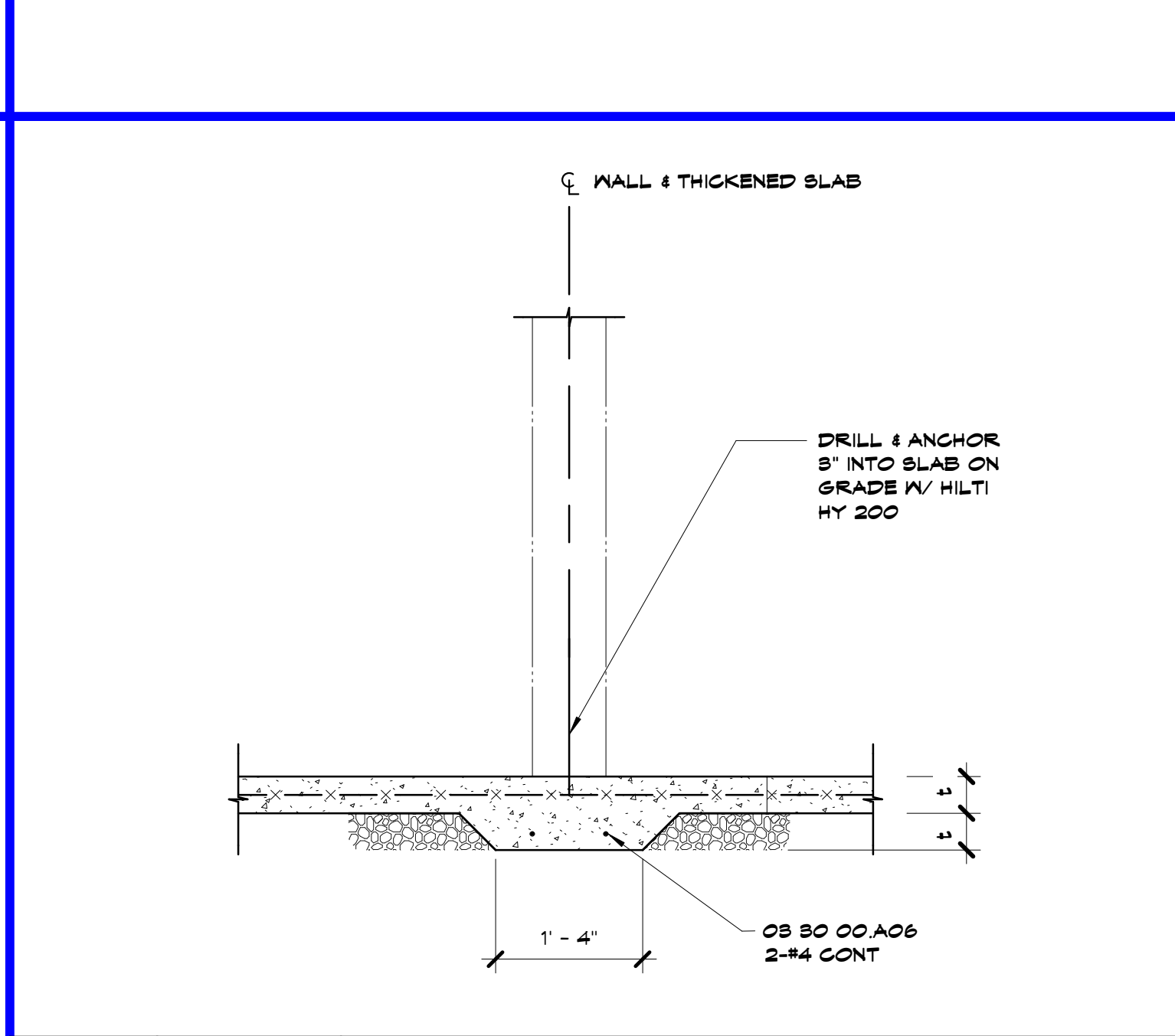
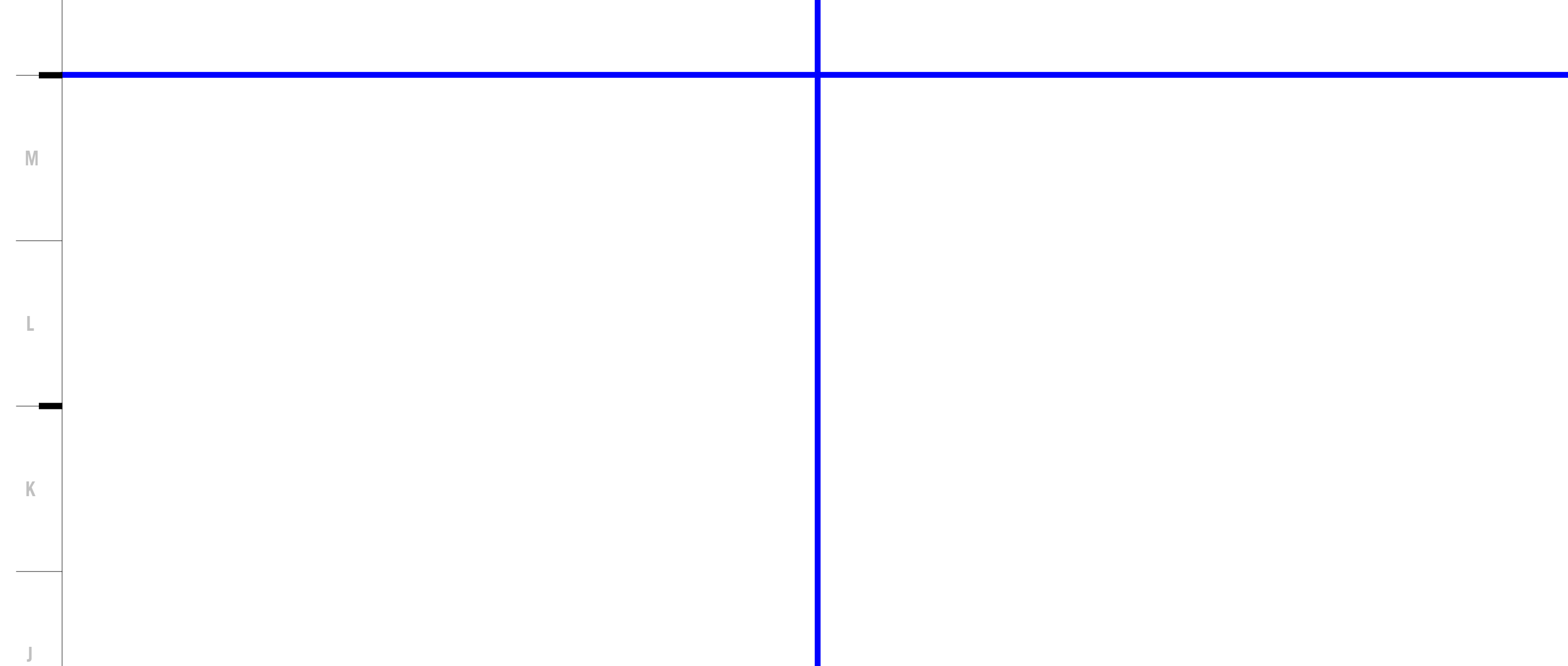
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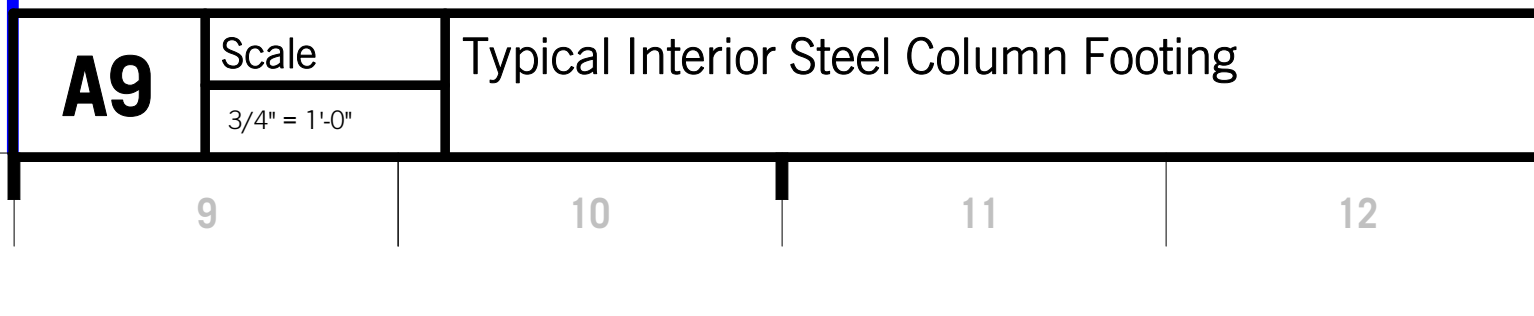
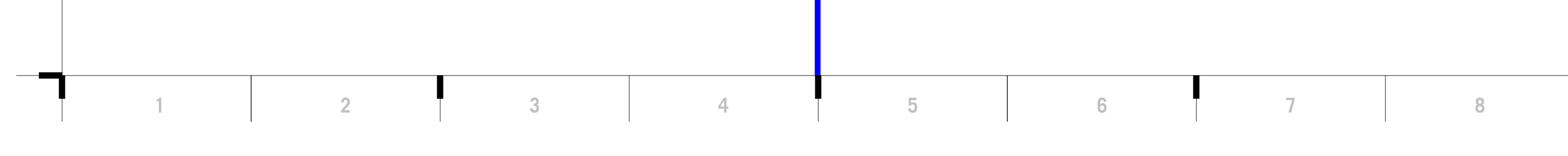
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E13 Scale 1 1/2" = 1'-0"

Typical Base Plate Layout

TYPE	SIZE	LENGTH	AR PROJECTION BASE PLT EDGE DIST
AR-1	3/4"	12"	4"
			1 1/2"



A9 Scale 3/4" = 1'-0"

Typical Reinforcing Intersection

A13 Scale 1 1/2" = 1'-0"

Typical Anchor Rod

CONSTRUCTION DOCUMENTS

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO

REVISIONS:

#	Description	Date

John E. Funk
 E-2000173299

John E. Funk
 E-2000173299

Job No: 17048
 Drawn By: TJS
 Checked By: JDT
 Date: 03.08.2019

S361

FOUNDATION SECTIONS

3/12/2019 10:38:49 AM

CONDUIT AND WIRE

- ARROWS INDICATE CONDUIT AND WIRE HOME RUN(S) TO PANEL WITH 2-#12 AWG CONDUCTORS UNLESS NOTED OR OTHERWISE REQUIRED.
CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SLAB.
TELEPHONE CONDUIT
LOW VOLTAGE CONDUIT AND WIRING

LIGHTING

- BATTERY OPERATED EMERGENCY LIGHT (WALL MOUNTED)
BATTERY OPERATED EMERGENCY LIGHT (CEILING MOUNTED)
SURFACE/RECESSED LIGHT FIXTURE
FLUORESCENT LIGHT FIXTURE
FLUORESCENT STRIP FIXTURE
SHADING DENOTES EMERGENCY FIXTURE
POLE MOUNTED LIGHT FIXTURE
EXIT LIGHT - DOUBLE FACE - ARROWS AS SHOWN
EXIT LIGHT - SINGLE FACE - ARROWS AS SHOWN
LIGHTING SWITCHES-SINGLE POLE, 3-WAY, 4-WAY, KEY, LOW VOLTAGE, PILOT LIGHT
DIMMER WITH SINGLE POLE SWITCH
DIMMER WITH THREE WAY SWITCH (WATTAGE NOTED)
WALL MOUNTED MOTION SENSOR
CEILING MOUNTED MOTION SENSOR (LETTER DENOTES TYPE)
SWITCH AND DUPLEX RECEPTACLE DENOTES A WALL MOUNTED FIXTURE

WIRING DEVICES

- DUPLEX RECEPTACLE
LINE THRU DEVICE INDICATES ABOVE COUNTER
DUPLEX RECEPTACLE WITH ISOLATED GROUND (SINGLE AND FOURPLEX SIMILAR)
DUPLEX RECEPTACLE - TOP HALF SWITCHED - BOTTOM HALF TO HAVE POWER AT ALL TIMES
DUPLEX RECEPTACLE ON EMERGENCY POWER (SINGLE AND FOURPLEX SIMILAR)
FOURPLEX RECEPTACLE
SINGLE RECEPTACLE
CEILING MOUNTED RECEPTACLE
MULTI-SERVICE FLOOR BOX
DIVIDED POWER POLE
FLOOR BOX W/DUPLEX RECEPTACLE
SPECIAL RECEPTACLE W/NEMA CONFIGURATION AS NOTED
CLOCK RECEPTACLE
MULTI-OUTLET ASSEMBLY

COMMUNICATIONS

- TELEPHONE OUTLET
LINE THRU DEVICE INDICATES ABOVE COUNTER
DATA OUTLET
TELEPHONE/DATA OUTLET
FLOOR BOX WITH COMMUNICATIONS OUTLET
TELEVISION ANTENNA OUTLET
TELEPHONE CABINET OR PLYWOOD BOARD

SECURITY

- CLOSED CIRCUIT TV CAMERA
CARD READER
DOOR LOCK
SECURITY MONITOR
WATCH TOUR
ELECTRIC DOOR LOCK
MOTION SENSOR - SECURITY
MOTION SENSOR (WALL MOUNTED) - SECURITY

PUBLIC ADDRESS

- MICROPHONE OUTLET
SPEAKER. ('H' DENOTES HORN TYPE)
SPEAKER VOLUME CONTROL
SPEAKER CONDUIT AND WIRING
PUBLIC ADDRESS AMPLIFIER AND CABINET
BUZZER
BELL
INTERCOM OUTLET
INTERCOM OUTLET - MASTER
CLOCK SYSTEM RECEPTACLE WITH SINGLE FACE ('D' DENOTES DOUBLE FACE)

POWER DEVICE AND CONTROLS

- THERMOSTAT
DISCONNECT SWITCH. 30A-3P, NON-FUSED EXCEPT AS NOTED
MANUAL MOTOR STARTER
MAGNETIC MOTOR STARTER
COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
MOTOR
PANELBOARD (SEE ONE-LINE)
DISTRIBUTION PANELBOARD
CONTACTOR
AUTOMATIC TRANSFER SWITCH
PHOTOCELL
JUNCTION BOX
PUSHBUTTON
TRANSFORMER

FIRE ALARM

- MANUAL PULL STATION
PHOTOELECTRIC DETECTOR ('D' DENOTES IN DUCT) ('B' DENOTES BEAM-TYPE) ('R' DENOTES IN RETURN AIR PLENUM)
IONIZATION DETECTOR ('D' DENOTES IN DUCT) ('P' DENOTES PLENUM-TYPE)
INFRARED DETECTOR ('D' DENOTES IN DUCT)
THERMOCOUPLE DETECTOR ('D' DENOTES IN DUCT) FIXED TEMPERATURE AS NOTED
DOOR HOLDER
CHIME
BELL
FIRE ALARM STROBE LIGHT
FIRE ALARM SPEAKER - ARROWS DENOTE PROJECTORS IF ANY. ('L' DENOTES COMBINATION SPEAKER AND VISUAL FIRE LIGHT)
FIRE HORN. ('L' DENOTES COMBINATION HORN AND VISUAL FIRE LIGHT)
REMOTE ALARM LAMP
POST INDICATOR SWITCH
FLOW SWITCH
GATE SWITCH
FIREMAN'S PHONE JACK

FIRE PROTECTION

- FIRE PROTECTION PIPING
FIRE HOSE CABINET
FIRE DEPARTMENT VALVE
UPRIGHT SPRINKLER HEAD
PENDENT SPRINKLER
RECESSED SPRINKLER
RECESSED SPRINKLER WITH CLOSURE PLATE
SIDEWALL SPRINKLER.
DOUBLE CHECK DETECTOR BACKFLOW PREVENTER
FIRE PROTECTION SIAMESE CONNECTION
FIRE PROTECTION SIDEWALK SIAMESE CONNECTION
POST INDICATOR VALVE

MEDICAL GAS

- MEDICAL VACUUM
OXYGEN
NITROUS OXIDE
MEDICAL COMPRESSED AIR
NITROGEN
OXYGEN OUTLET
VACUUM OUTLET
MEDICAL AIR OUTLET
NITROUS OXIDE OUTLET
NITROGEN OUTLET

HVAC

- CWS CHILLED WATER SUPPLY
CWR CHILLED WATER RETURN
CHWS CHILLED/HOT WATER SUPPLY
CHWR CHILLED/HOT WATER RETURN
HWS HEATING HOT WATER SUPPLY
HWR HEATING HOT WATER RETURN
CTS COOLING TOWER SUPPLY
CTR COOLING TOWER RETURN
STM LOW PRESSURE STEAM
RTN LOW PRESSURE CONDENSATE RETURN
STM-50 HIGH PRESSURE STEAM - NO'S GIVE GAUGE PRESSURE IN P.S.I.
RTN-50 HIGH PRESSURE RETURN - NO'S GIVE GAUGE PRESSURE IN P.S.I.
RD REFRIGERANT DISCHARGE
RL REFRIGERANT LIQUID
RS REFRIGERANT SUCTION
FOS FUEL OIL SUPPLY
FOR FUEL OIL RETURN
A COMPRESSED AIR
D DRAIN (CONDENSATE)
THERMOSTAT - ('S' DENOTES SENSOR)
HUMIDISTAT - ('S' DENOTES SENSOR)
THERMOSTAT/HUMIDITY SENSOR
CARBON DIOXIDE SENSOR
THERMOSTAT/HUMIDITY SENSOR/CO2 SENSOR
HUMIDIFIER
SUPPLY AIR FLOW INDICATOR
RETURN AND EXHAUST AIR FLOW INDICATOR
SUPPLY DIFFUSER
SUPPLY STRIP DIFFUSER
RETURN GRILLE OR EXHAUST REGISTER

HOSPITAL

- NURSE CALL CONDUIT AND WIRING
MONITOR CONDUIT AND WIRING
NURSE CALL MASTER STATION
NURSE CALL BEDSIDE STATION - SINGLE PATIENT
NURSE CALL BEDSIDE STATION - DOUBLE PATIENT
EMERGENCY PUSHBUTTON STATION ('P' DENOTES PULL CORD)
DUTY STATION
STAFF STATION
DOME LIGHT - CEILING MOUNTED ('B' DENOTES WITH BUZZER)
DOME LIGHT - WALL MOUNTED ('B' DENOTES WITH BUZZER)
ZONE DOME LIGHT
CODE BLUE PUSHBUTTON

PLUMBING

- DOMESTIC COLD WATER
DOMESTIC HOT WATER
RECIRCULATING DOMESTIC HOT WATER
DOMESTIC TEMPERED WATER
SOFT DOMESTIC COLD WATER
SOFT DOMESTIC HOT WATER
SOFT RECIRCULATING HOT WATER
SOIL OR WASTE ABOVE GRADE OR FLOOR
SOIL OR WASTE BELOW GRADE OR FLOOR
STORM ABOVE GRADE OR FLOOR
STORM BELOW GRADE OR FLOOR
STORM OVERFLOW ABOVE GRADE OR FLOOR
STORM OVERFLOW BELOW GRADE OR FLOOR
PLUMBING VENT
GAS (NATURAL)
LIQUIFIED PETROLEUM
PUMP DISCHARGE
HOSE BIBB
WALL HYDRANT
WALL CLEAN OUT
CLEAN OUT
FLOOR CLEAN OUT
FLOOR DRAIN, AREA DRAIN, FLOOR SINK
ROOF DRAIN, OVERFLOW ROOF DRAIN
SHOWER HEAD.
REDUCED PRESSURE BACKFLOW PREVENTER
PLUMBING VENT RISER CALL-OUT NUMBER

GENERAL

- MECHANICAL NOTE REFERENCE
ELECTRICAL NOTE REFERENCE
DEMOLITION NOTE REFERENCE
REVISION NOTE REFERENCE
CONNECT TO EXISTING WORK
DETAIL REFERENCE - NO./SHEET NO.
SECTION CUT - SECTION/SHEET NO.

PIPING

- ELBOW DOWN
ELBOW UP
TEE UP
TEE DOWN
CAP
UNION
REDUCER (OR INCREASER)
PIPE FLEX
STRAINER
RISE IN PIPING
DROP IN PIPING
GUIDE
ANCHOR
PRESSURE GAUGE WITH GAUGE COCK
TEMPERATURE GAUGE
FLOW INDICATOR
THERMOMETER.
SITE GLASS
EXPANSION JOINT
FILTER-DRIER
DRIP ASSEMBLY
BASKET STRAINER
SHUTOFF VALVE
SHUTOFF VALVE IN RISER
BALANCING VALVE
CALIBRATED BALANCING VALVE
RELIEF VALVE
TEST PLUG
TRIPLE DUTY VALVE
CHECK VALVE.
AUTOMATIC CONTROL VALVE (2-WAY)
AUTOMATIC CONTROL VALVE (3-WAY)
AUTO FLOW CONTROL VALVE
SOLENOID VALVE
PRESSURE REDUCING VALVE

DUCTWORK

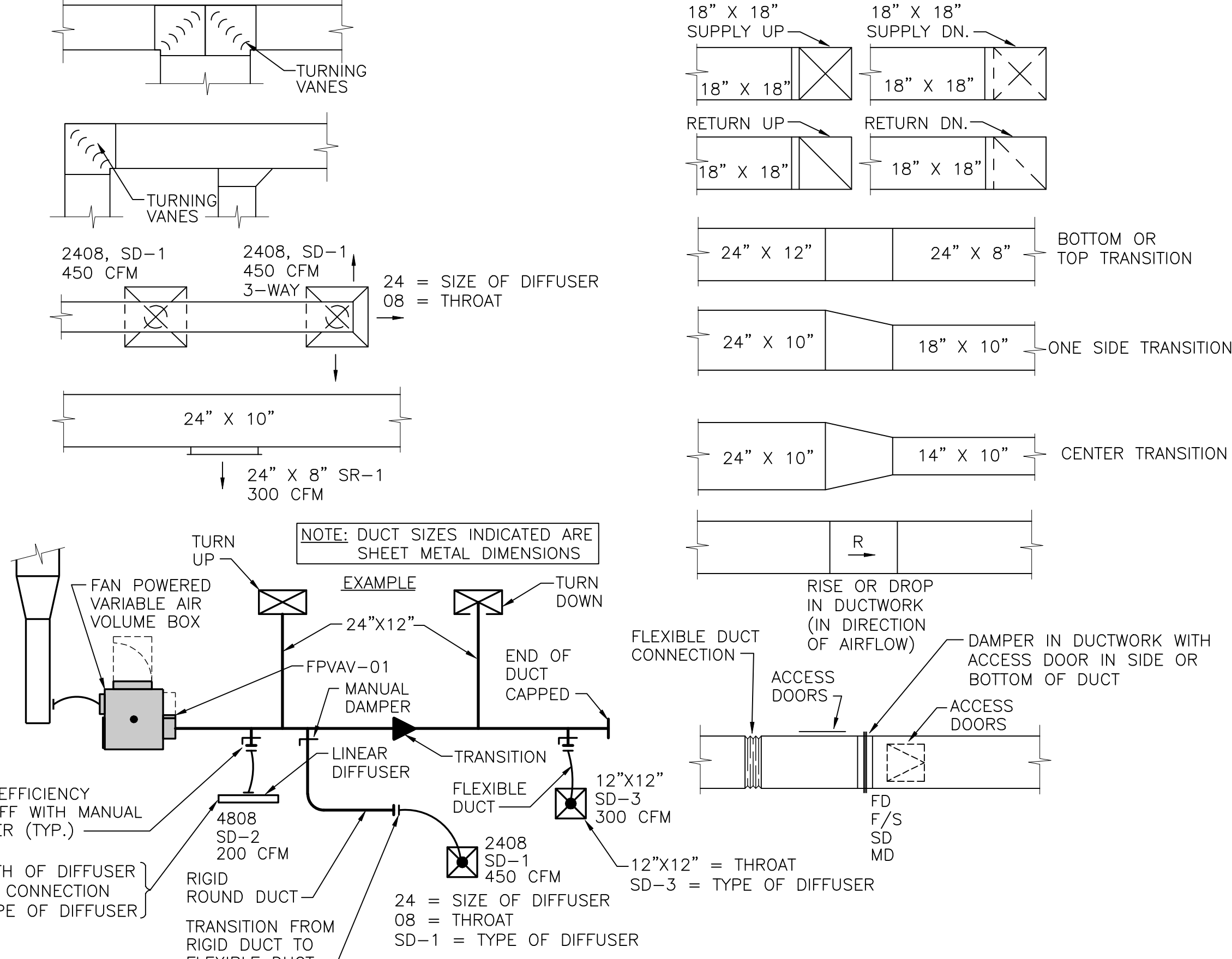


Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes items like AMPS, AIR (COMPRESSED), EXHAUST AIR, ENTERING AIR TEMPERATURE, etc.

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes items like MAKE UP AIR FAN, MIXING VALVE, NITROGEN, etc.

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes items like SUPPLY DIFFUSER, SMOKE DAMPER, SOFT DOMESTIC COLD WATER, etc.

MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS

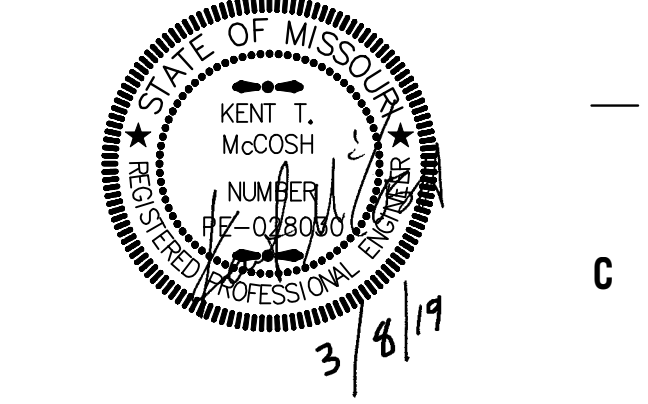
SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED. REFER TO FLOOR PLANS FOR ALL SYMBOLS AND ABBREVIATIONS.

smith&boucher ENGINEERS logo and address: 25501 west valley parkway, suite 200 olathe, ks 66061

ME101

JOB NO: 17048
DRAWN BY: S&B
CHECKED BY: KTM
DATE: 03.08.2019

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO.



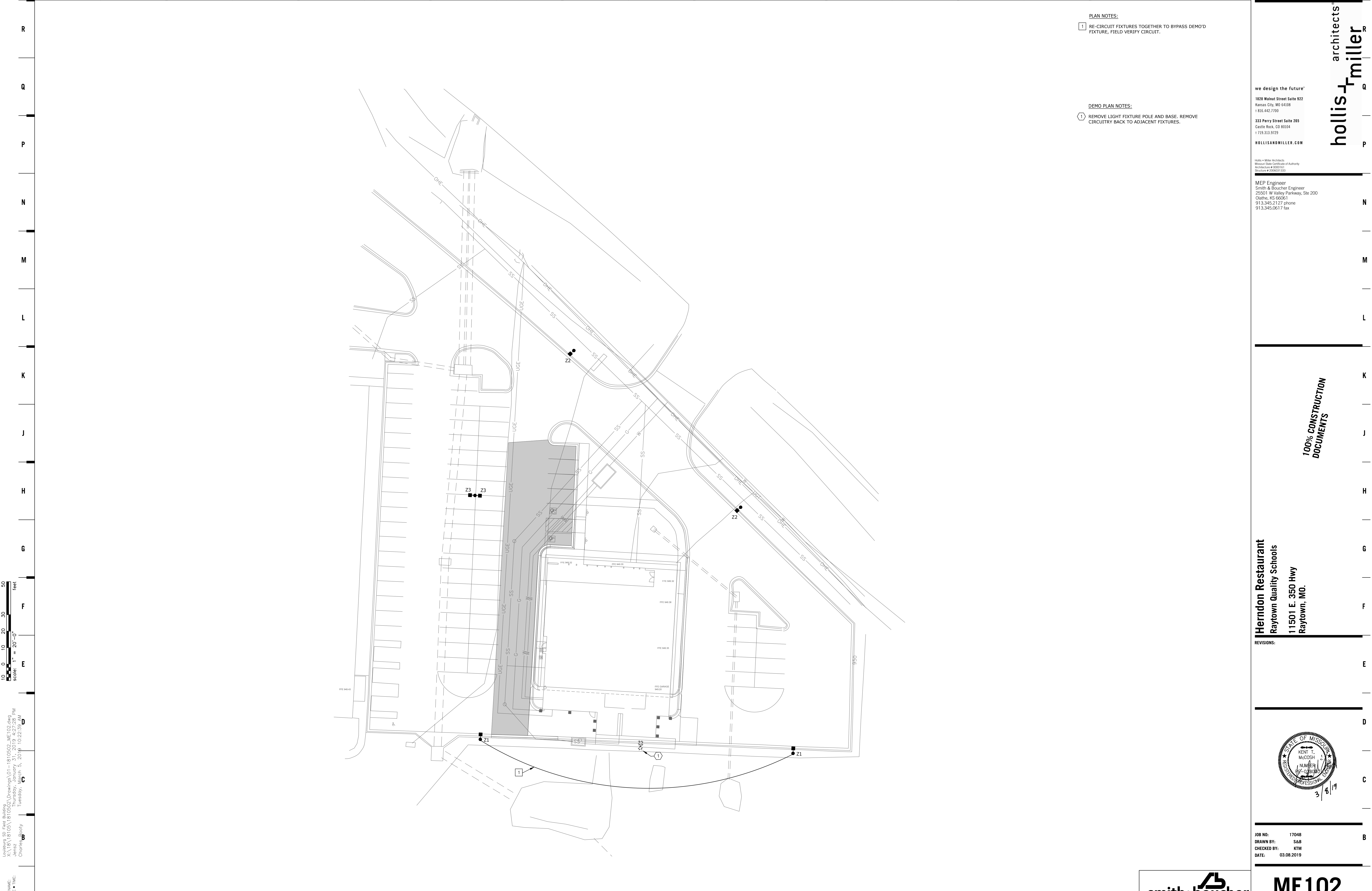
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MEP Engineer
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100% CONSTRUCTION DOCUMENTS

PROJECT NAME: Herndon Restaurant, Raytown, MO
DRAWN BY: S&B
CHECKED BY: KTM
DATE: 03.08.2019
PLOT DATE: 03.08.2019

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

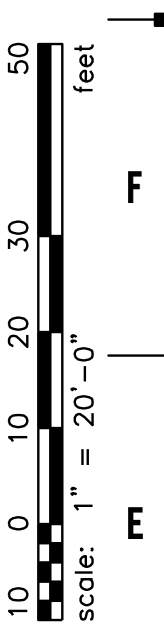


PLAN NOTES:

1 RE-CIRCUIT FIXTURES TOGETHER TO BYPASS DEMO'D FIXTURE, FIELD VERIFY CIRCUIT.

DEMO PLAN NOTES:

1 REMOVE LIGHT FIXTURE POLE AND BASE. REMOVE CIRCUITRY BACK TO ADJACENT FIXTURES.



Project Name: Herndon Restaurant
 Location: 11501 E. 350 Hwy, Raytown, MO 64108
 Date: 03/08/2019
 Drawn by: S&B
 Checked by: KTM
 Project Number: 1810502

SITE PLAN - MECHANICAL/ELECTRICAL
 SCALE: 1"=20'-0"

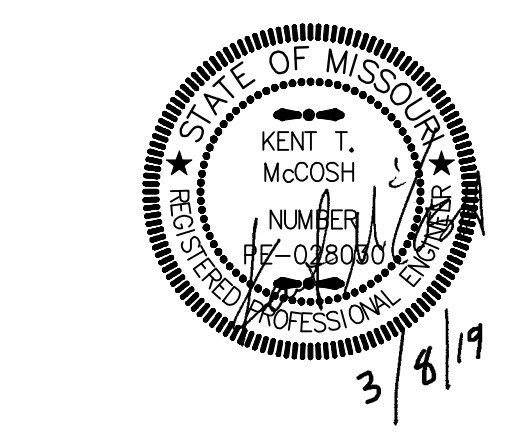
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 ENGINEERS
 25501 west valley parkway, suite 200 olathe, ks 66061
 p.913.345.2127 / 888.299.7540 f.913.345.0617
 project number: 1810502

ME102

SITE PLAN - MECH. AND ELEC.

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO.

REVISIONS:



JOB NO: 17048
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hollis & miller architects

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



- ELECTRICAL PLAN NOTES:**
- 1 RE-CIRCUIT FIXTURES TOGETHER TO BYPASS DEMO'D FIXTURE, FIELD VERIFY CIRCUIT.
 - 2 PROPOSED UTILITY COMPANY TRANSFORMER LOCATION. INSTALL CONCRETE PAD PER UTILITY COMPANY SPECIFICATIONS. COORDINATE EXACT PRIMARY ELECTRICAL FEEDER REQUIREMENTS AND RESPONSIBILITIES WITH UTILITY COMPANY. REFER TO CIVIL FOR PRIMARY CONDUIT ROUTING.
 - 3 SECONDARY ELECTRICAL UTILITY FEEDER. REFER TO ONE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE AND QUANTITY.
 - 4 BUILDING MOUNTED ELECTRICAL UTILITY METER AND CT CABINET. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY REPRESENTATIVE.
 - 5 PROVIDE EMPTY 4" CONDUIT WITH PULL STRING FOR TELECOM SERVICE ENTRANCE.
 - 6 COORDINATE LOCATIONS OF LANDSCAPE LIGHTING WITH INSTALLATION OF BOULDERS AND PLANTINGS. AIM FIXTURES AS DIRECTED BY ARCHITECT AND OWNER.

- DEMOLITION NOTES:**
- 1 REMOVE LIGHT FIXTURE POLE AND BASE. REMOVE CIRCUITRY BACK TO ADJACENT FIXTURES.

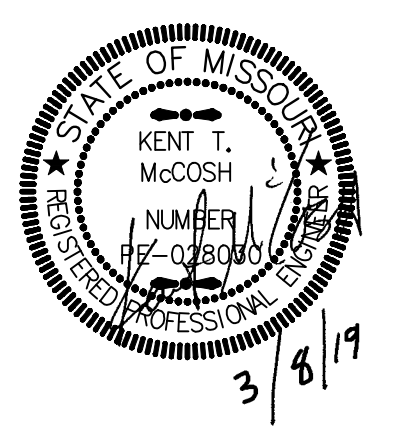
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smith&boucher
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 p.913.345.2127 / 888.299.7540 f.913.345.0617
 project number: 1810502

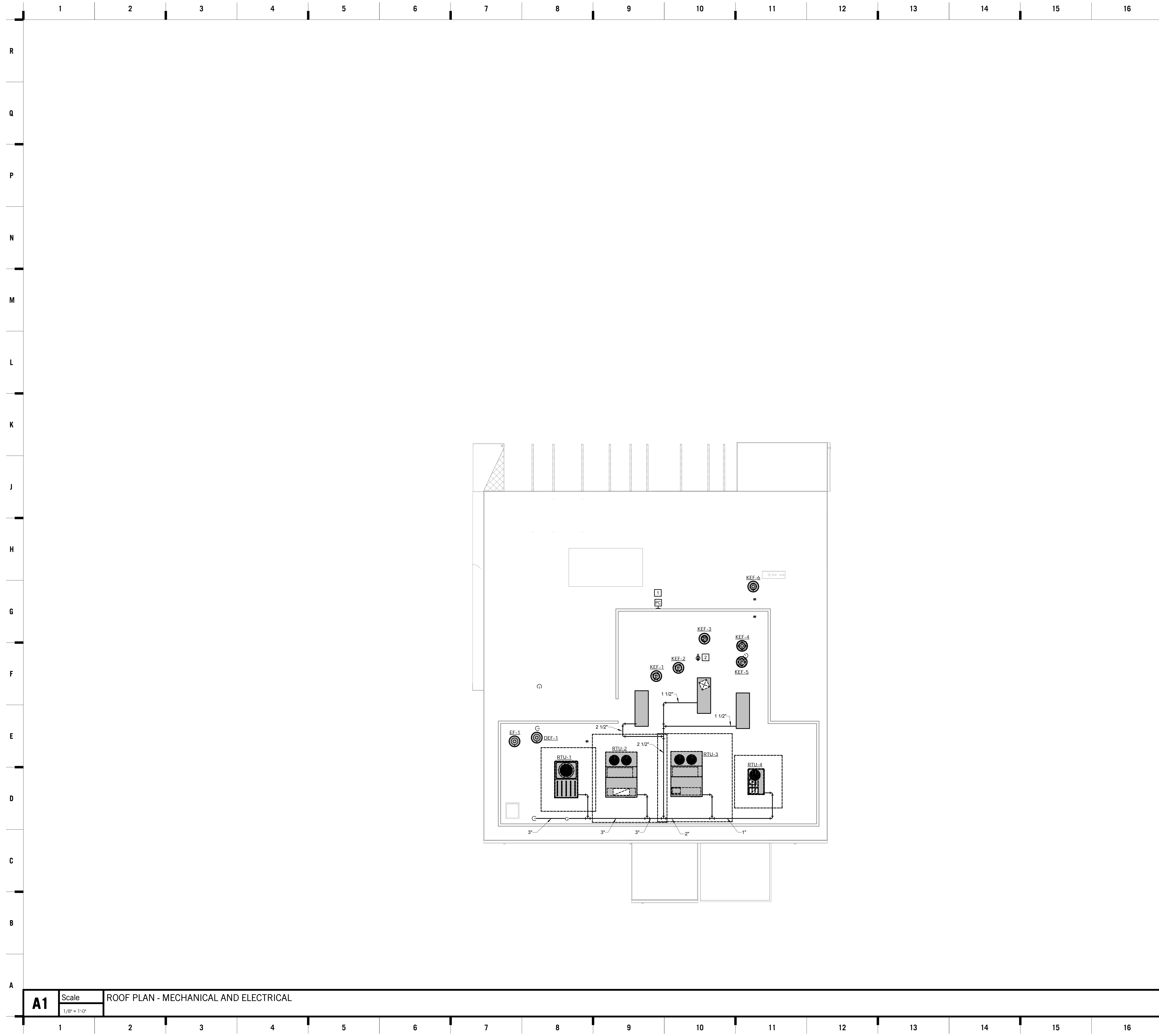
ME201

SITE PLAN - MECH. AND ELEC.

SITE PLAN - MECHANICAL/ELECTRICAL
 SCALE: 1"=20'-0"

PROJECT NAME: C:\projects\1810502\ME201.dwg
 LAST CORRECTION: R. 2019.03.24 PM 4:43:24
 PLOTTED BY: DATE: TIME: Charles Bosty Tuesday, March 5, 2019 4:47:22 PM

Scale: 1"=20'-0"
 0 10 20 30 40 50 feet



SHEET KEYNOTE LEGEND

ELECTRICAL PLAN NOTES:

- 1** MOUNT PHOTOCELL AS HIGH AS POSSIBLE ON ROOF IN AN UNSHADED AREA WITH A CLEAR VIEW TO THE NORTH HORIZON.
- 2** PROVIDE GFCI, WEATHERPROOF RECEPTACLE ON ROOF MOUNTED WITHIN 25' OF MECHANICAL EQUIPMENT. CIRCUIT TO LP-2.

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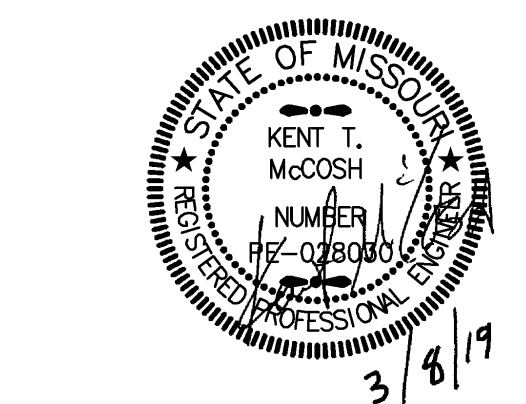
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 Structure # 250001133

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 Raytown, MO.

REVISIONS:

#	Description	Date



JOB NO: 17048
 DRAWN BY: SBI
 CHECKED BY: KTM
 DATE: 03.08.2019

smith&boucher
 ENGINEERS
 25501 west valley parkway, suite 200 olathe, ks 66061
 phone 913.345.2127 fax 913.345.0617
 project number 1810502

ME202

9/5/2019 10:58:13 AM

MAKE-UP AIR UNIT SCHEDULE - GAS

Table with columns for Designation, Unit, Fan Data, Heating, Filter, Electrical, and Reference Drawing/Detail. Includes sub-tables for MAU-1, MAU-2, and MAU-3.

- 1. PROVIDE UNIT WITH DIRECT GAS FURNACE AND MODULATING GAS VALVE.
2. PROVIDE UNIT WITH COMPONENTS REQUIRED FOR BMS MONITORING & ALARM GENERATION. REFER TO KITCHEN HOOD DRAWINGS AND BMS CONTROL DRAWINGS FOR MORE INFORMATION.
3. CIRCUIT TO EXISTING PANEL 'PP4' IN ATTIC. RE. SHEET E04 FOR APPROXIMATE LOCATION. REARRANGE EXISTING BREAKERS AS NEEDED TO ACCOMMODATE SCHEDULE BREAKER.
4. EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING THAT EXCEEDS THE CALCULATED AVAILABLE FAULT. COORDINATE WITH RESULTS OF THE OCPD STUDY.

FAN SCHEDULE

Table with columns for Designation, Fan Type, Service, Manufacturer, Model, Unit Data, and Reference Drawing/Detail. Lists various fan models and their specifications.

- 1. FURNISH WITH FAN SPEED CONTROLLER.
2. PROVIDE WEATHERPROOF MOTOR RATED TOGGLE SWITCH AT FAN.
3. CONTROL BY CAPTIVEAIR AIR SYSTEM. REFER TO KITCHEN VENTILATION DRAWINGS.

PIPE INSULATION SCHEDULE

Table with columns for Service, Pipe Size, Insulation, and Notes. Details insulation requirements for domestic cold and hot water.

- 1. FOR ALL PIPING 2-1/2" AND LARGER, PROVIDE CALCIUM SILICATE INSERTS AT ALL HANGERS AND SUPPORT LOCATIONS.
2. ALL INSULATION SHALL HAVE A MAXIMUM OF 25 FLAME SPREAD/50 SMOKE DEVELOPMENT RATING.
3. ELBOW AND FITTING INSULATION SHALL BE OF SAME THICKNESS AS ADJACENT STRAIGHT PIPE INSULATION.
4. FITTING INSULATION TO HAVE ASJ OR SUPPLEMENTAL VAPOR BARRIER SEALED TO ADJACENT PIPE INSULATION.
5. PROVIDE PVC JACKET ON ALL PIPE, FITTINGS, ELBOWS IN EXPOSED AREAS (EXCEPT EQUIPMENT ROOMS, STORAGE ROOMS). COLOR TO BE SELECTED BY ARCHITECT.
6. PROVIDE STAINLESS STEEL JACKET ON ALL EXPOSED PIPING LOCATED IN KITCHEN AREAS.

PLUMBING PUMP SCHEDULE

Table with columns for Designation, Unit Data, and Reference Drawing/Detail. Details specifications for a water pump.

- 1. PROVIDE MOTOR RATED TOGGLE SWITCH.

DOMESTIC WATER HEATER - GAS

Table with columns for Designation, Unit Data, and Reference Drawing/Detail. Lists specifications for domestic water heaters.

- 1. PROVIDE MOTOR RATED TOGGLE SWITCH.
2. FURNISH WITH COMMON VENTING SYSTEM.
3. FURNISH WITH FACTORY-ASSEMBLED RACK SYSTEM WITH IWH-1, 2, & 3 MOUNTED ON A SINGLE RACK WITH ALL PIPING MANIFOLDED TOGETHER (RINNAI TRW02). FURNISH WITH MULT-UNIT CONTROL KIT AND ASSOCIATED CONTROL WIRING.
4. FURNISH WITH CONDENSATE NEUTRALIZATION KIT.
5. PROVIDE SHUT OFF VALVES AND QUICK CONNECTS FOR CLEANING AND MAINTENANCE OF EACH WATER HEATER.

DUCTWORK SCHEDULE

Table with columns for Service, Duct Shape, Classification, Seal Class, Leakage Class, and Required Insulation. Lists ductwork specifications for various services.

- 1. ALL DUCT INSULATION AND LINING SHALL HAVE A MAXIMUM OF 25 FLAME SPREAD/50 SMOKE DEVELOPMENT RATING.
2. PROVIDE 1" R-6 INSTALLED MINIMUM. DUCT LINER (JOHNS MANVILLE LINAACOUSTIC RC) ON ENTIRE RECTANGULAR DUCTWORK. FOR DUCTWORK REQUIRING LINING, THE DUCTWORK SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL SIZES. ROUND BRANCHES TO DIFFUSERS AND GRILLES TO HAVE 2-1/2", R-6 INSTALLED MINIMUM. 0.75 LB. FIBERGLASS BLANKET, VAPOR BARRIER FACED, WITH HEAVY DUTY FOIL-SCRM-KRAFT FACING.
3. PROVIDE 1" R-6 INSTALLED MINIMUM. DUCT LINER (JOHNS MANVILLE LINAACOUSTIC RC) FOR THE FIRST 20-FEET AND THEN 1/2" FOR THE REMAINING RECTANGULAR DUCTWORK. FOR DUCTWORK REQUIRING LINING, THE DUCTWORK SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL SIZES. ROUND BRANCHES TO DIFFUSERS AND GRILLES TO HAVE 2-1/2", R-6 INSTALLED MINIMUM. 0.75 LB. FIBERGLASS BLANKET, VAPOR BARRIER FACED, WITH HEAVY DUTY FOIL-SCRM-KRAFT FACING.
4. PROVIDE 1/2" R-6 INSTALLED MINIMUM. DUCT LINER (JOHNS MANVILLE LINAACOUSTIC RC) ON ENTIRE RECTANGULAR DUCTWORK. FOR DUCTWORK REQUIRING LINING, THE DUCTWORK SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL SIZES. ROUND BRANCHES TO DIFFUSERS AND GRILLES TO HAVE 2-1/2", R-6 INSTALLED MINIMUM. 0.75 LB. FIBERGLASS BLANKET, VAPOR BARRIER FACED, WITH HEAVY DUTY FOIL-SCRM-KRAFT FACING.
5. PROVIDE FIBERGLASS DUCT LINER IN ALL RETURN AIR TRANSFER DUCTS (REFER TO DETAILS FOR THICKNESS REQUIREMENTS).
6. CERTIFIED TO ASTM E 2336 (GREASE DUCT TEST STANDARD), MATERIAL SHALL BE TESTED AND LISTED WITH UL AND INTERTEK. AND SHALL MEET IBC, IMC, UMC, AND NFPA REQUIREMENTS. DUCT WRAP SHALL BE COMPOSED OF REFRACTORY CERAMIC FIBER BLANKET ENCAPSULATED WITH FOIL SCRM. INSTALLATION SHALL BE PERFORMED BY MANUFACTURER'S QUALIFIED CONTRACTOR. SUBMIT INSTALLATION REQUIREMENTS WITH SHOP DRAWINGS.
7. PROVIDE 1-1/2", 1 LB RIGID FIBERGLASS BLANKET, VAPOR BARRIER FACED, WITH HEAVY DUTY FOIL-SCRM-KRAFT FACING.

GRILLE, REGISTER & DIFFUSER SCHEDULE

Table with columns for Plan Mark, Manufacturer Model Number, Service, Mount Type, Volume Damper, Material, Color, and Remarks. Lists grille and diffuser specifications.

- NOTE 1: PROVIDE DIRECTIONAL BLOW CLIP TO BLOCK AIRFLOW ON SINGLE SIDE OF DIFFUSER THAT FACES KITCHEN HOOD. COORDINATE WITH FLOOR PLAN.

DRAIN SCHEDULE

Table with columns for Mark, Manufacturer/Model, and Description. Lists drain specifications.

- 1. REFER TO PLANS FOR OUTLET SIZES.

ROOFTOP UNIT SCHEDULE - GAS HEAT

Table with columns for Designation, Unit Data, Supply Fan, DX Cooling Coil, Reheat, Gas Heat, Filter, and Reference Drawing/Detail. Lists rooftop unit specifications.

- 1. NOT USED.
2. PROVIDE WITH SINGLE POINT POWER CONNECTION AND SINGLE PHASE PROTECTION.
3. NOT USED.
4. PROVIDE WITH COMPARATIVE ENTHALPHY ECONOMIZER.
5. PROVIDE FACTORY INSTALLED GFI RECEPTACLE WITH UNIT.
6. NOT USED.
7. PROVIDE UNIT WITH 18" VIBRATION ISOLATION AND WIND RATED CURB.
8. FURNISH WITH CONDENSER HAIL GUARDS.
9. POWERED EXHAUST TO OPERATE VIA PRESSURE SENSOR.

PLUMBING FIXTURE SCHEDULE

Table with columns for Mark, Manufacturer/Model, Description, Manufacturer/Model, and Pipe Connections. Lists plumbing fixture specifications.

- 1. PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN.
2. PROVIDE CHROME PLATED BRASS P-TRAP.
3. PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS.
4. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS.
5. PROVIDE WITH ALL MOUNTING HARDWARE AS REQUIRED. FIXTURE STUDS AND NUTS SHALL BE STAINLESS STEEL.

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Holla + Miller Architects Missouri State Certificate of Authority Architects # 0001011 Structure # 00001303

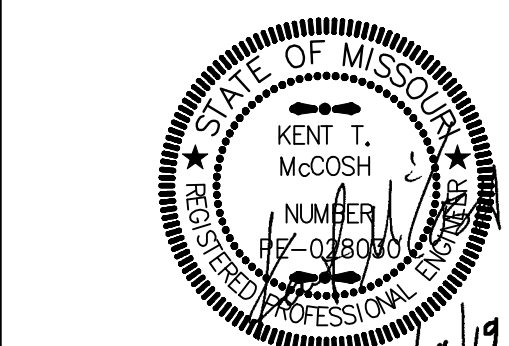
MEP Engineer Smith & Boucher Engineer 25501 W Valley Parkway, Ste 200 Olathe, KS 66061

11501 E. 350 Hwy Raytown, MO.

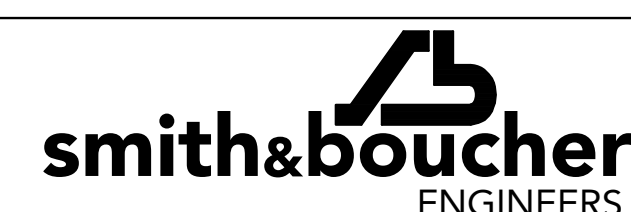
100% CONSTRUCTION DOCUMENTS

Herndon Restaurant Raytown Quality Schools

REVISIONS:

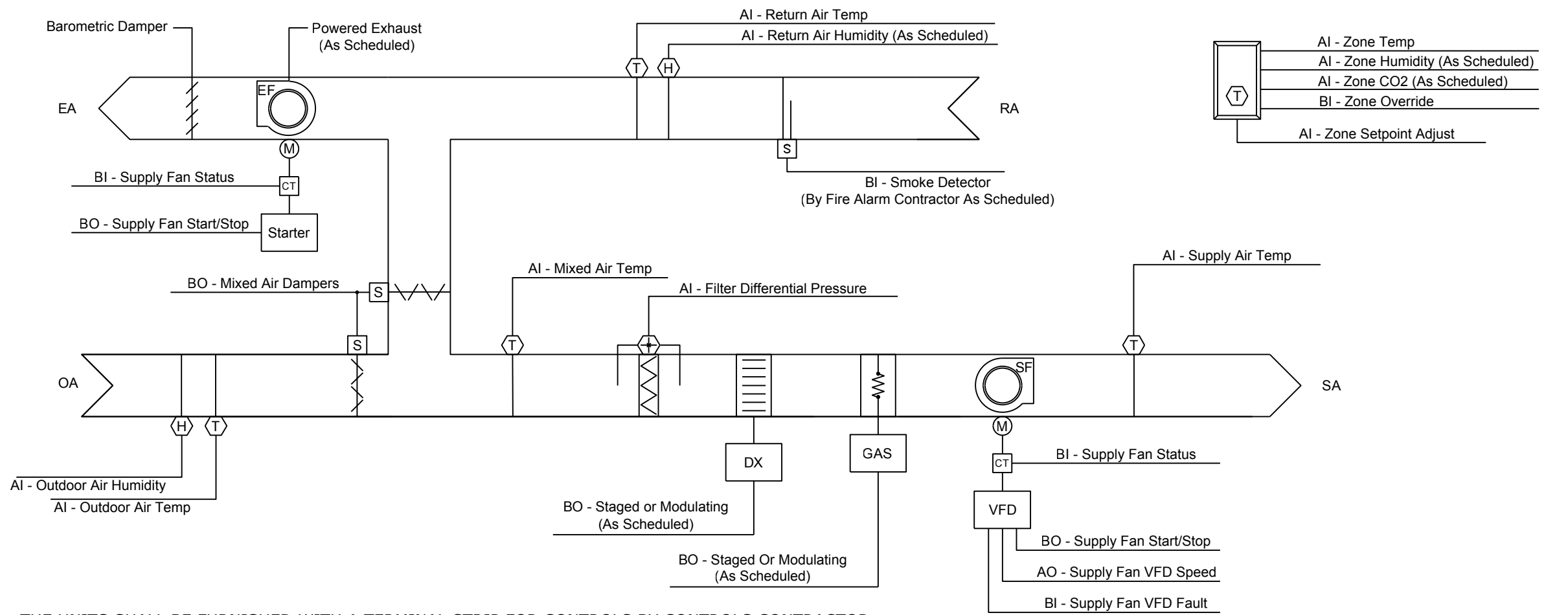


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ME301



THE UNITS SHALL BE FURNISHED WITH A TERMINAL STRIP FOR CONTROLS BY CONTROLS CONTRACTOR.

SCHEDULING:
 THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:
 • OCCUPIED MODE: THE UNIT SHALL MAINTAIN 75°F (ADJ.) COOLING SETPOINT, 70°F (ADJ.) HEATING SETPOINT.
 • UNOCCUPIED MODE: THE UNIT SHALL MAINTAIN 85°F (ADJ.) COOLING SETPOINT, 60°F (ADJ.) HEATING SETPOINT.
 • ALARMS SHALL BE PROVIDED AS FOLLOWS: HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.) LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.). CONTROLS CONTRACTOR TO INTEGRATE TO INTERNAL ALARMING POINTS AND DISPLAY ALARM CODE WITH DESCRIPTION ON USER INTERFACE.

SETPOINT ADJUST:
 THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR BY AN OFFSET OF +/-2°F (ADJ.).

OCCUPIED MODE:
 THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS IN OCCUPIED MODE. THE SUPPLY FAN SHALL MODULATE TO MAINTAIN THERMOSTAT SET POINT (ADJ.).

SUPPLY AIR CONTROL:
 THE COOLING SUPPLY AIR TEMPERATURE SET POINT SHALL BE 55°F (ADJ.). ON A CALL FOR COOLING, THE DX COOLING SHALL MODULATE/STAGE TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT SET POINT. THE HEATING SUPPLY AIR TEMPERATURE SET POINT SHALL BE 90°F (ADJ.). ON A CALL FOR HEATING, THE HEATING SHALL MODULATE/STAGE TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT SET POINT. SUPPLY FAN ALARMS SHALL BE PROVIDED AS FOLLOWS: FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF. FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON. FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

SUPPLY AIR TEMPERATURE RESET:
 ONCE THE UNIT HAS REACHED THE MINIMUM AIRFLOW SETTING, THE SUPPLY AIR TEMPERATURE MAY BE RAISED IN 5°F (ADJ.) INCREMENTS TO A MAXIMUM VALUE OF 65°F (ADJ.).

SPECIAL SEQUENCE OF OPERATION FOR RTU-2,3
 FOR RTU-2,3 WHICH BOTH SERVE THE KITCHEN THE UNITS SHALL NORMALLY OPERATE IN A LEADLAG CONFIGURATION. WHEN A SINGLE UNIT EXCEED MEAT CONDITIONING REQUIREMENTS THE SECOND UNIT SHALL BE STARTED. THE SCHEDULED VENTILATION AIRFLOW TAKES INTO ACCOUNT A SINGLE UNIT IN OPERATION. IF CO2 LEVELS EXCEED SETPOINT BOTH UNITS SHALL BE RUN AT THE SCHEDULED MAXIMUM VENTILATION RATES TO PROVIDE THE REQUIRED VENTILATION AIR TO THE SPACE.

DEHUMIDIFICATION / HOT GAS REHEAT (AS SCHEDULED):
 WHEN THE RETURN AIR HUMIDITY IS ABOVE THE SET POINT OF 55% RH (ADJ.) THE COOLING/DEHUMIDIFICATION MODE IS ENABLED. DISCHARGE AIR TEMPERATURE SHALL BE REDUCED TO 55°F (ADJ.) UNTIL RETURN AIR HUMIDITY DROPS TO SETPOINT. HOT GAS REHEAT SHALL BE USED TO REHEAT AIR TO MAINTAIN THERMOSTAT SETPOINT.

MORNING WARM-UP MODE AND COOL-DOWN MODES:
 WHEN THE UNIT TRANSITIONS FROM THE UNOCCUPIED MODE TO OCCUPIED MODE, MORNING WARM-UP OR COOL-DOWN SHALL BE ACTIVATED. THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL-DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF SCHEDULED OCCUPIED PERIOD. DURING MORNING WARM-UP THE SUPPLY FAN SHALL BE TURNED ON, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, THE COOLING DISABLED, AND THE HEATING SHALL MODULATE/STAGE TO REACH SETPOINT. DURING MORNING COOL DOWN THE SUPPLY FAN SHALL BE TURNED ON, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, THE HEATING VALVE SHALL BE CLOSED, AND THE COOLING SHALL MODULATE/STAGE TO REACH SETPOINT.

UNOCCUPIED MODE:
 WHEN THE UNIT IS IN UNOCCUPIED MODE ACCORDING TO THE SCHEDULE, THE OUTSIDE AIR DAMPER IS CLOSED, THE RETURN AIR DAMPER IS OPEN AND THE UNIT IS OFF. UPON A REQUEST FOR COOLING TO MAINTAIN UNOCCUPIED COOLING OR HEATING TEMPERATURE SET POINT OR ACTIVATION OF USER OVERRIDE, ACTIVATE THE UNIT SUPPLY FAN. IF UNIT IS STARTED TO MAINTAIN UNOCCUPIED SETPOINT THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. IF UNIT IS STARTED IN RESPONSE TO USER OVERRIDE THE MINIMUM OUTSIDE AIRFLOW SHALL BE PROVIDED.

UNOCCUPIED OVERRIDE:
 A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE TO PROVIDE REQUIRED VENTILATION FOR 2 HOURS (ADJ.) AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

ECONOMIZER MODE (AS SCHEDULED):
 THE CONTROLLER SHALL MEASURE THE OUTDOOR AIR ENTHALPY AND ENABLE ECONOMIZER WHEN OUTDOOR ENTHALPY IS BELOW RETURN AIR ENTHALPY. UNIT TO MODULATE THE OUTSIDE AIR DAMPER TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT. THE OUTSIDE AIR DAMPERS SHALL MAINTAIN THE MINIMUM OUTDOOR AIR FLOW WHENEVER OCCUPIED.

POWERED EXHAUST FAN (AS SCHEDULED):
 THE POWERED EXHAUST FAN SHALL RUN ANYTIME THE ECONOMIZER FUNCTION IS ACTIVE UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME. ALARMS SHALL BE PROVIDED AS FOLLOWS: FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF. FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON. FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

OUTSIDE AIR VENTILATION:
 THE OUTSIDE AIR DAMPERS SHALL MAINTAIN A MINIMUM POSITION (ADJ.) DURING BUILDING OCCUPIED HOURS OR WHEN USER OVERRIDE IS ACTIVATED. DAMPER SHALL BE CLOSED WHENEVER UNIT IS IN UNOCCUPIED MODE. VENTILATION AIRFLOW SHALL BE MAINTAINED AT SCHEDULED VALUES FOR THE WHOLE RANGE OF THE VAV UNITS FAN AIRFLOW RANGE.

DEMAND CONTROL VENTILATION (AS SCHEDULED):
 OUTDOOR AIR SHALL BE MAINTAINED AT SCHEDULED MINIMUM FLOW. IF CO2 SENSOR READS GREATER THAN 1200PPM THE OUTSIDE AIR DAMPER SHALL OPEN TO DELIVER THE SCHEDULED MAXIMUM OUTDOOR AIRFLOW RATE. THE OUTDOOR AIRFLOW SHALL RETURN TO MINIMUM AIRFLOW ONCE ROOM CO2 LEVELS HAVE BEEN 1200PPM OR LESS FOR A PERIOD OF 15 MINUTES (ADJ.).

SHUTDOWN:
 WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT SHALL BE SET AS FOLLOWS:
 • SUPPLY FAN SHALL BE OFF. SUPPLY FAN VFD SHALL BE COMMANDED TO 0%
 • OUTSIDE AIR DAMPERS SHALL CLOSE
 • RETURN AIR DAMPER SHALL OPEN
 • HEATING SHALL BE DISABLED
 • COOLING SHALL BE DISABLED

SMOKE DETECTION SHUTDOWN (AS SCHEDULED):
 THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS.

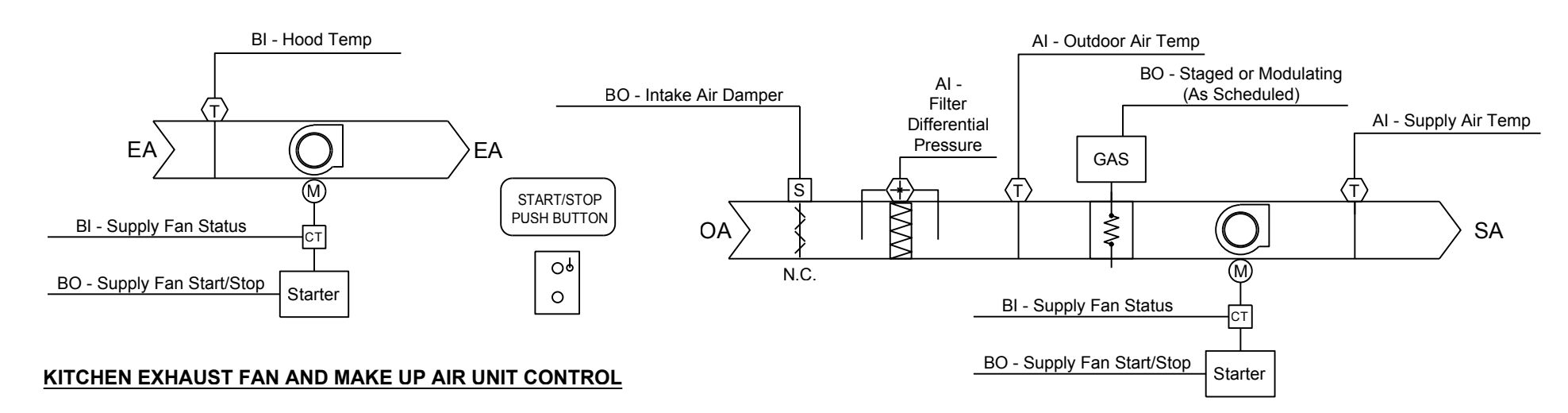
FILTER PRESSURE:
 SHALL RAISE MAINTENANCE ALARM.

TRENDING:
 ANALOG POINTS SHALL BE TRENDED FOR 15 MINUTES AND DIGITAL POINTS SHALL BE TRENDED COV.

NOTE: THE UNIT MANUFACTURER SHALL PROVIDE ON-SITE SERVICES TO WORK WITH THE CONTROLS CONTRACTOR ON THE INTERFACE OF THE EQUIPMENT FACTORY CONTROLS WITH BMS. MANUFACTURER SHALL PROVIDE SOFTWARE AND HARDWARE ASSISTANCE AS REQUIRED TO PROVIDE A FULLY FUNCTIONING AND INTEGRATED SYSTEM FOR THE OWNER'S OVERALL BUILDING AUTOMATION SYSTEM.

KITCHEN UNITS:
 CONTROL STAGING FOR THE KITCHEN ROOFTOP UNITS. THE KITCHEN RTU'S SHALL OPERATE WITH ONE PRIMARY UNIT AND ONE SECONDARY UNIT. SELECTION OF THE PRIMARY UNIT SHALL BE BASED ON RUN TIME. THERE SHALL BE TWO SPACE TEMPERATURE SENSORS, AND TWO HUMIDITY SENSORS, WITH BOTH BEING AVERAGED OUT FOR THE TEMP AND HUMIDITY SETPOINT. IN THE EVENT THAT THE OPERATION OF ONE UNIT IS NOT ABLE TO SATISFY THE HEATING OR COOLING LOAD, OR MAINTAIN THE HUMIDITY SETPOINT, THE SECOND UNIT SHALL BE ENERGIZED. THE SECOND UNIT SHALL BE OPERATED IN CONJUNCTION WITH THE FIRST UNIT TO MAINTAIN SETPOINT CONDITIONS. WHEN THE HUMIDITY AND CO2 SETPOINTS HAVE BEEN MAINTAINED FOR A PERIOD OF 15 MINUTES, AND THE HEATING AND COOLING STAGES OF THE SECONDARY UNIT HAVE BEEN DE-ENERGIZED FOR 15 MINUTES, (ADJ.) THE SECONDARY KITCHEN RTU SHALL BE DE-ENERGIZED. ADDITIONALLY, UPON OPERATION OF ISLAND HOOD, WHEN ONLY ONE SIDE IS RUNNING, THEN THE RTU SUPPLYING THE SUPPLY PLENUM OF THAT SIDE WILL BECOME THE PRIMARY UNIT. IF BOTH SIDES ARE OPERATING, THEN BOTH UNITS SHALL OPERATE IN TANDUM.

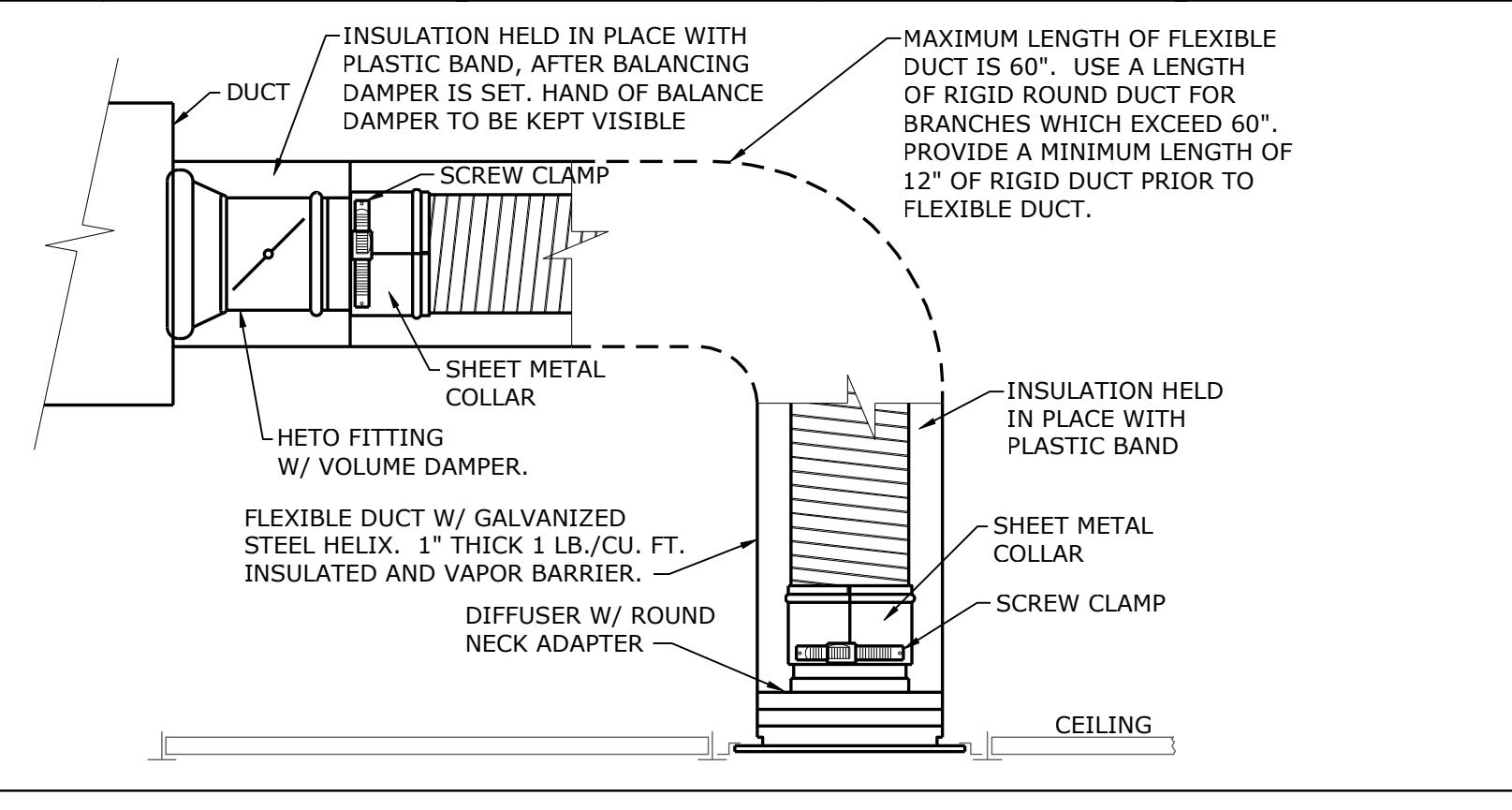
ROOFTOP UNITS



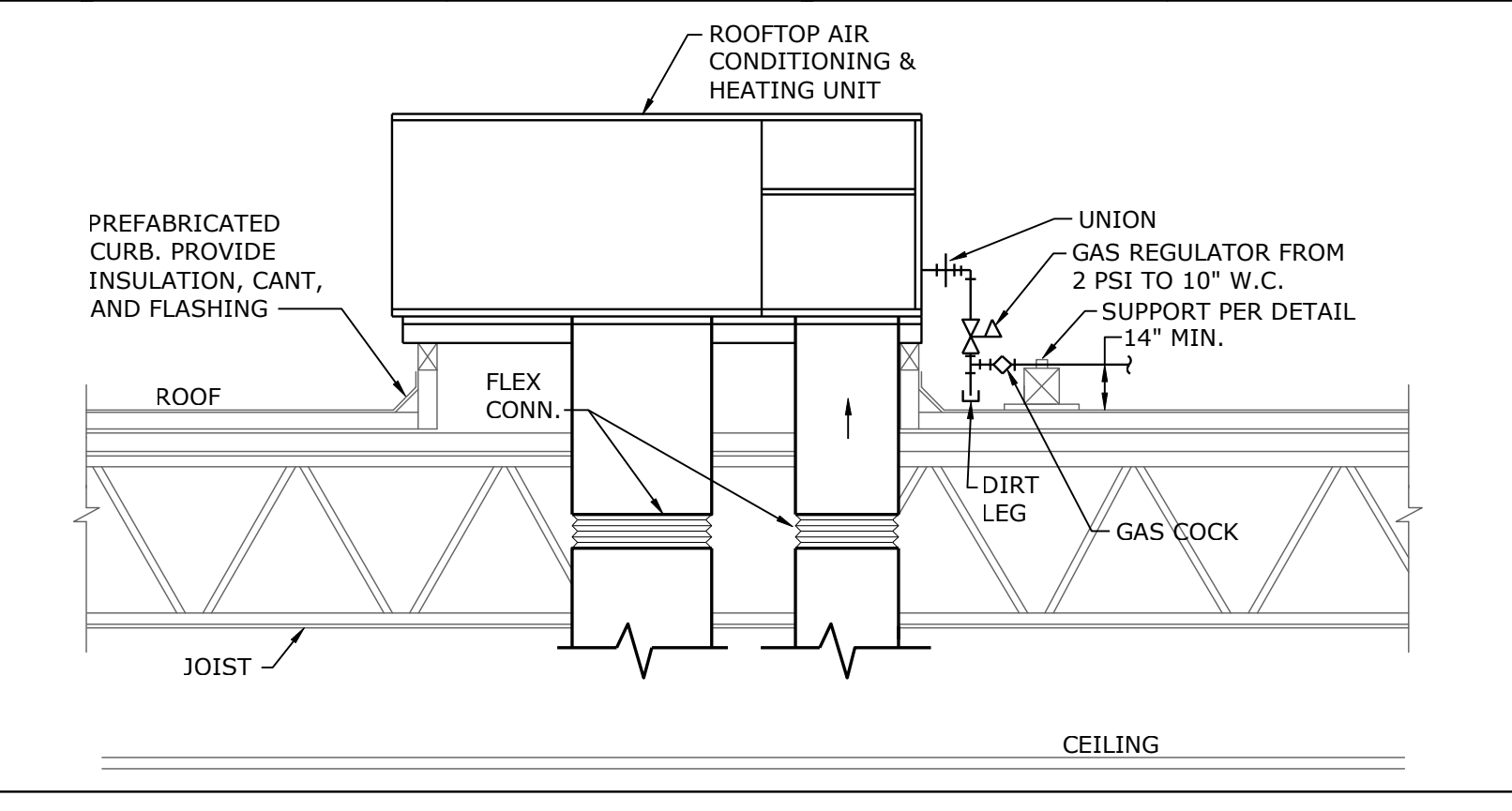
KITCHEN EXHAUST FAN AND MAKE UP AIR UNIT CONTROL
 FANS AND MAUS TO BE CONTROLLED BY MAU CONTROL PANEL AND MONITORED BY BAS.
 EXHAUST FANS SHALL BE ENABLED BY HEAT SENSOR LOCATED IN HOOD OUTLET OR BY MANUAL SWITCH AT HOOD. THE MAKEUP AIR UNIT SHALL START UPON ACTIVATION OF ITS ASSOCIATED EXHAUST FAN. PROVIDE A MANUAL ON/OFF PUSHBUTTON SWITCH WITH PILOT LIGHT AT THE HOOD TO START THE EXHAUST FAN AND MAKEUP AIR UNIT AND INITIATE A TIME PROGRAM THROUGH THE BMS TO PROVIDE A RUN TIME DURATION OF 2 HOURS (ADJ.). AN OVER-RIDE TIMER SWITCH SHALL BE PROVIDED AND INSTALLED FOR EACH HOOD.
 THE UNIT CONTROLS IN THE MAKE UP AIR UNIT SHALL STAGE OR MODULATE (AS SCHEDULED) THE HEATING TO PROVIDE 65°F SUPPLY AIR (ADJ.) THE GAS VALVE SHALL BE OFF WHENEVER THE OUTSIDE AIR TEMPERATURE IS ABOVE 60°F (ADJ.)
 FILTER PRESSURE SHALL RAISE MAINTENANCE ALARM.

EXHAUST FANS AND MAKE-UP AIR UNITS

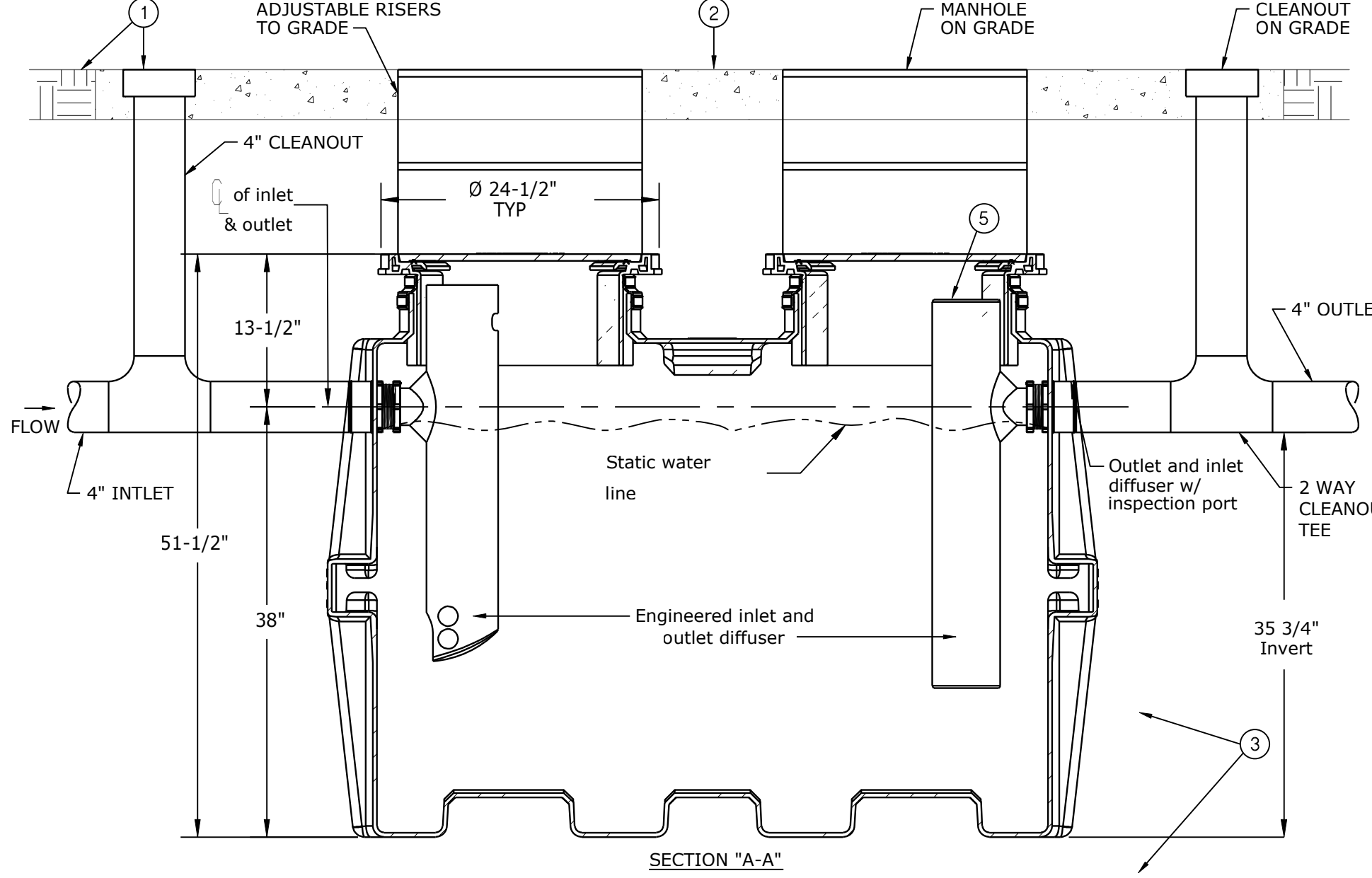
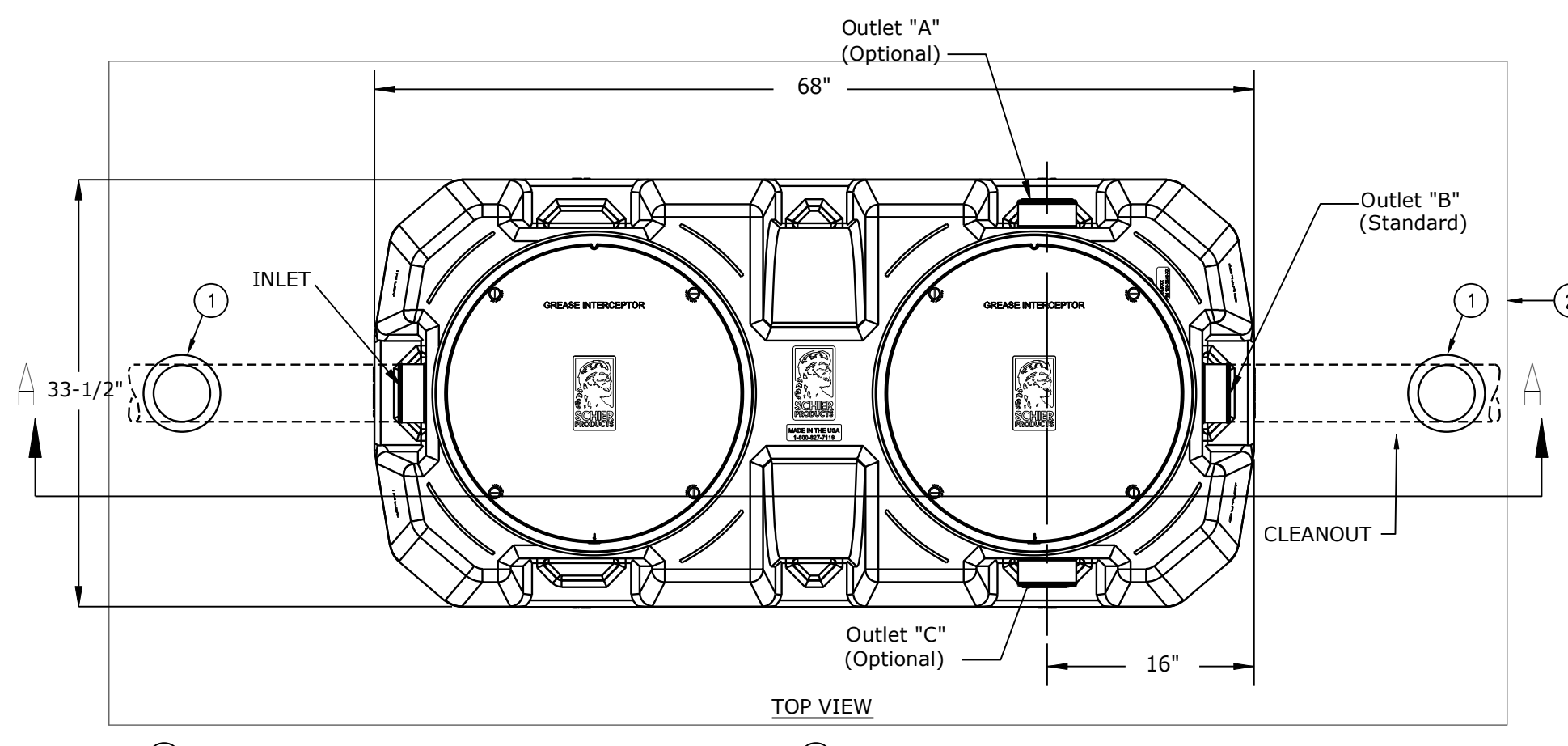
BAS CONTROLS
 NO SCALE



FLEXIBLE BRANCH DUCT DETAIL
 NOT TO SCALE

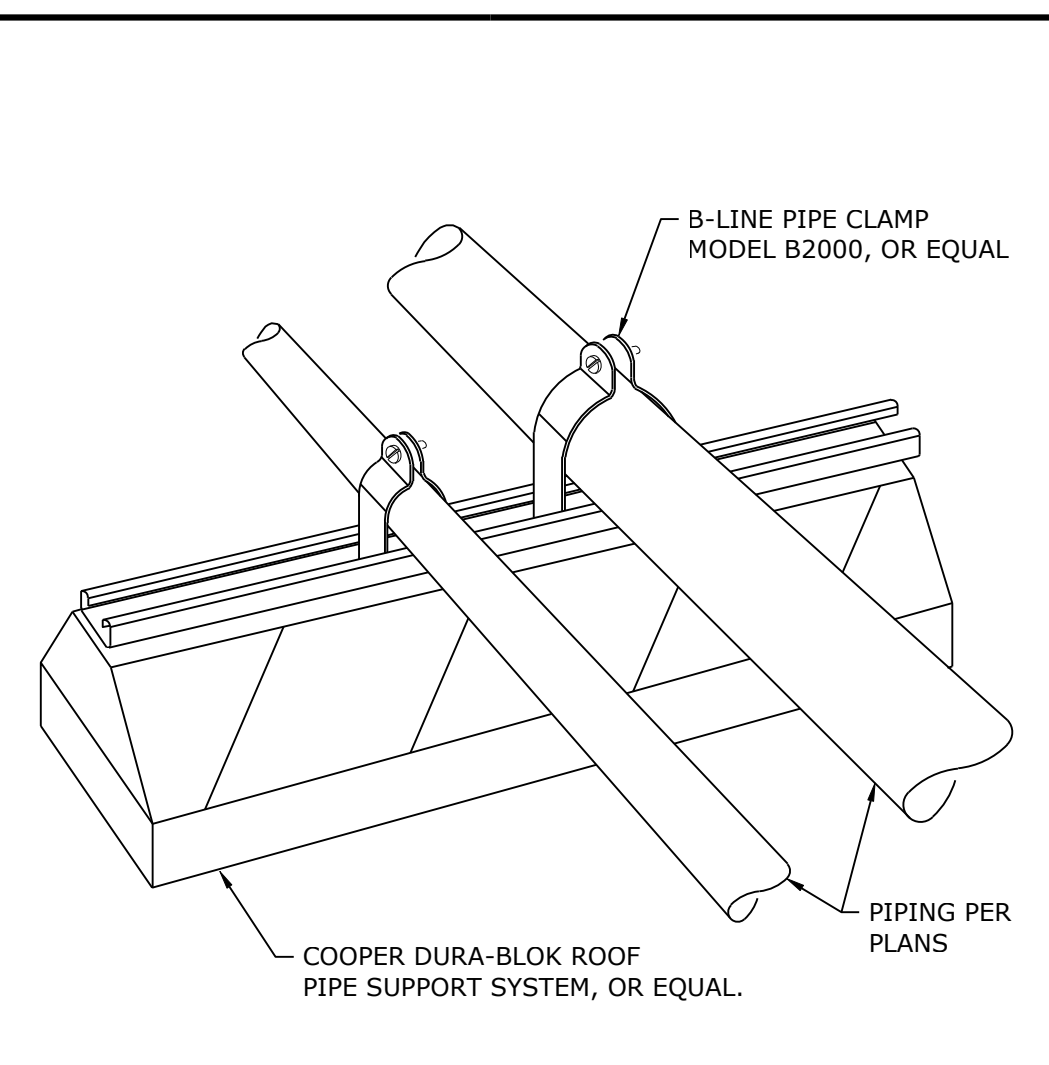


ROOFTOP UNIT DETAIL
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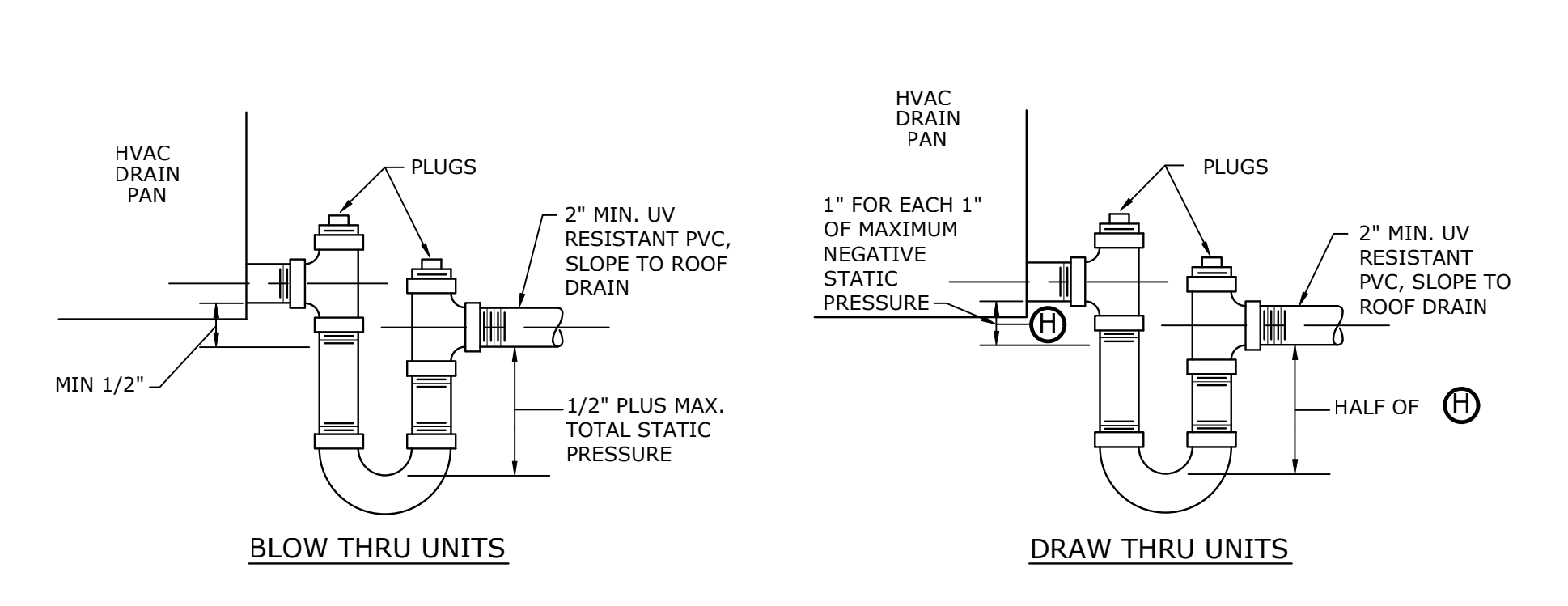


- PLAN NOTES:**
- 1 CLEANOUT CAP, JOSAM 58860 OR EQUAL.
 - 2 CONCRETE PAD.
 - 3 CRUSHED AGGREGATE OR SAND BEDDING UNDER UNIT AND ALL SIDES.
 - 4 HIGHWAY RATED BOLTED AND GASKETED COMPOSITE COVER.
 - 5 INTEGRAL AIR RELIEF/ANTI-SIPHON SAMPLING ACCESS.

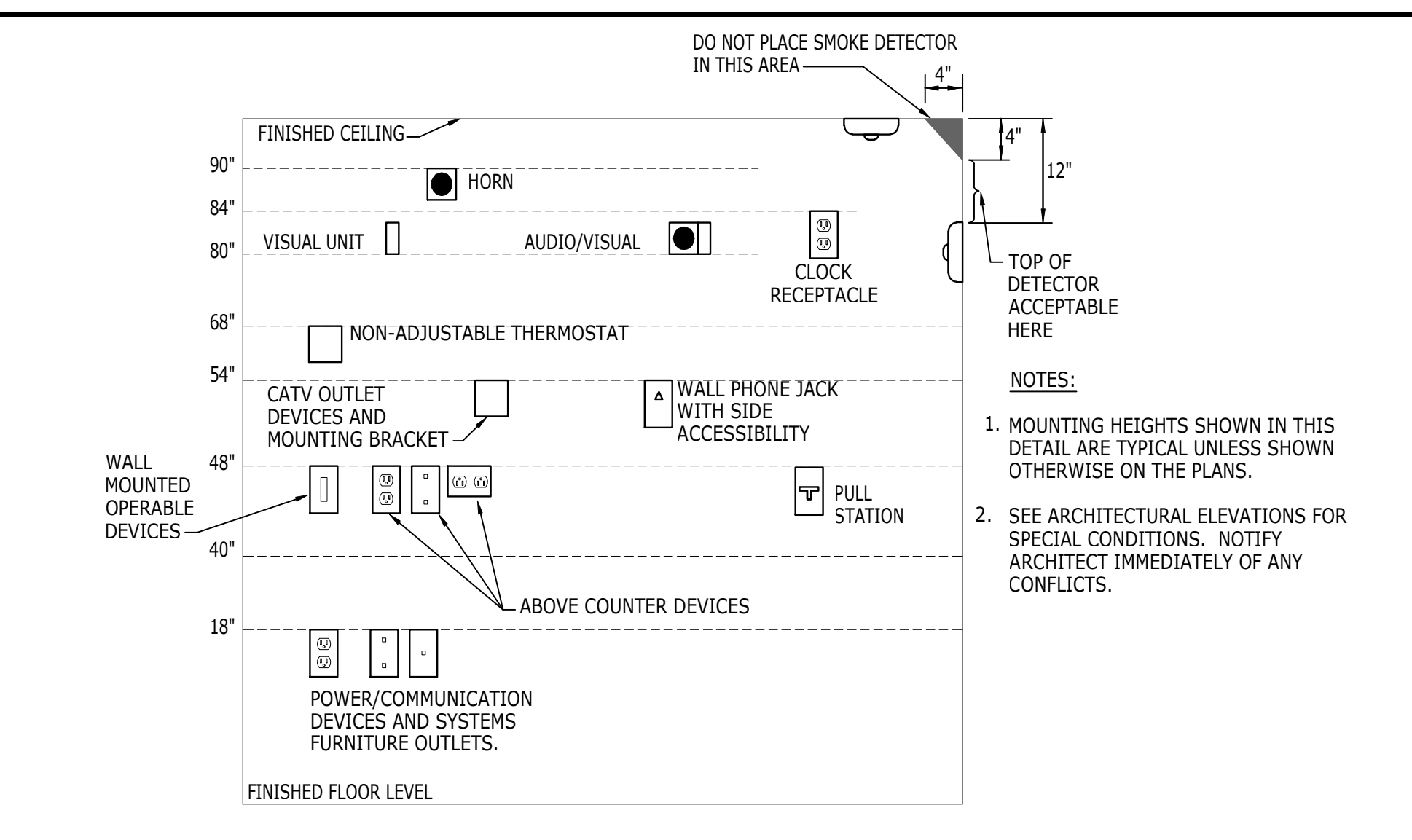
GREASE INTERCEPTOR DETAIL
 SCALE: NOT TO SCALE (BASED ON SCHIER GB-250)



ROOF PIPING SUPPORT DETAIL
 NOT TO SCALE



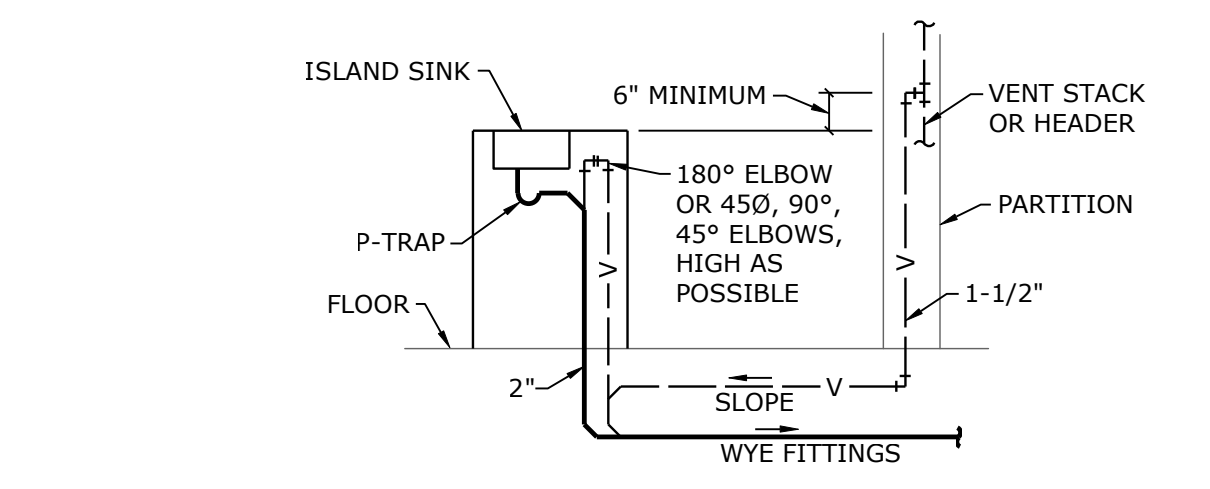
CONDENSATE TRAP DRAIN DETAIL
 NOT TO SCALE



WALL MOUNTED OPERABLE DEVICES
 OPERABLE DEVICES SHALL BE LOCATED 48" AFF. TO THE TOP OF OPERABLE PORTION OF DEVICE. WALL MOUNTED TELEPHONES WITH SIDE ACCESSIBILITY MAY BE MOUNTED UP TO 54" AFF. WALL MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 • ADJUSTABLE THERMOSTATS
 • LIGHTING SWITCHES/DIMMERS/CONTROLS
 • PUSH BUTTONS
 • OTHER CONTROL OR "CALL" DEVICES

POWER/COMMUNICATION DEVICES:
 OUTLETS SHALL BE LOCATED 16" AFF TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED 2" ABOVE BACKSPASH OF COUNTER TO THE BOTTOM OF DEVICES (PLAN DESIGNATION \square). VERIFY W/ ARCHITECTURAL DETAILS.

WALL MOUNTED DEVICES: MOUNTING HEIGHTS
 NO SCALE



ISLAND SINK VENTING DETAIL
 NOT TO SCALE

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100% CONSTRUCTION DOCUMENTS

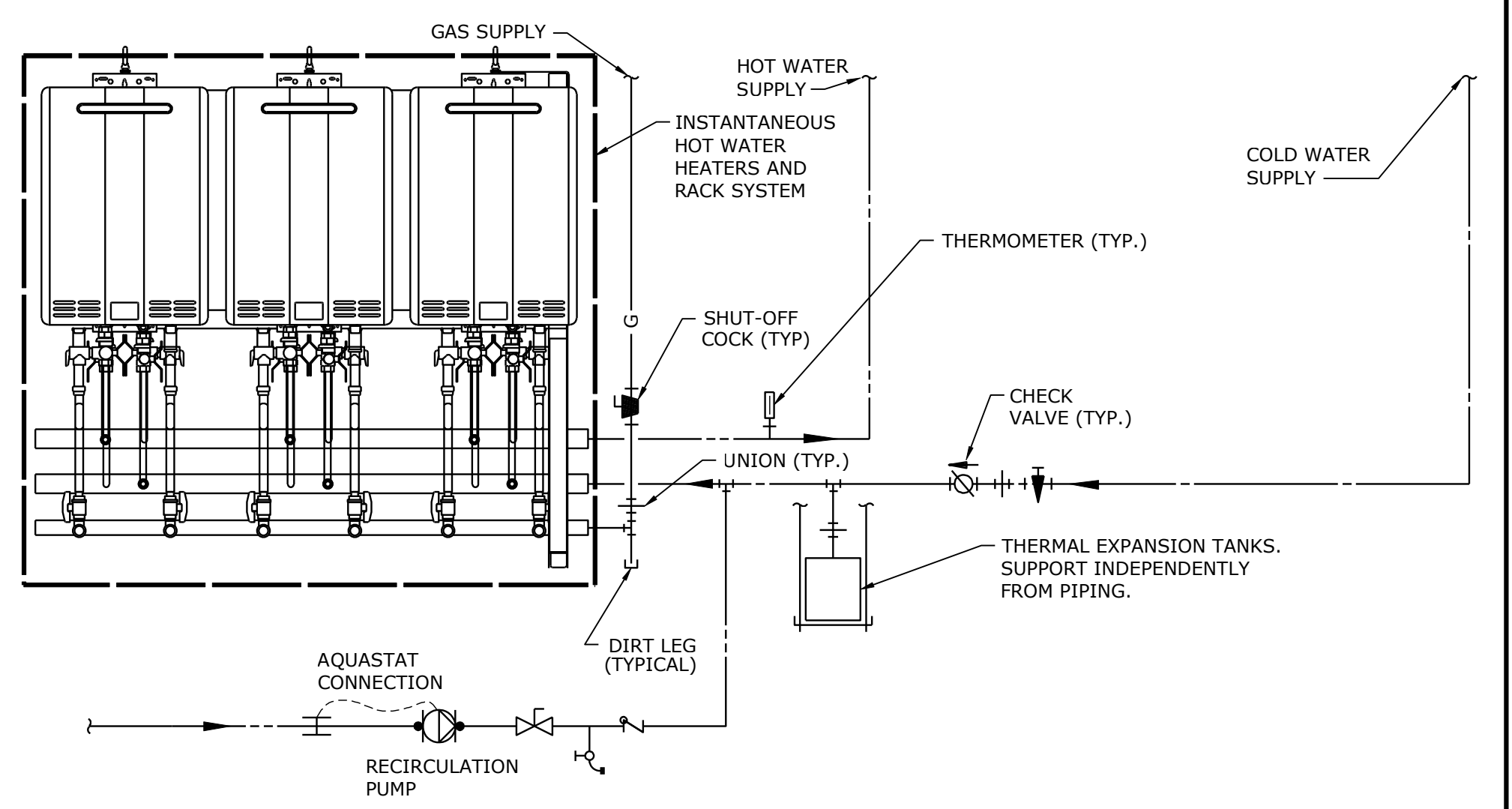
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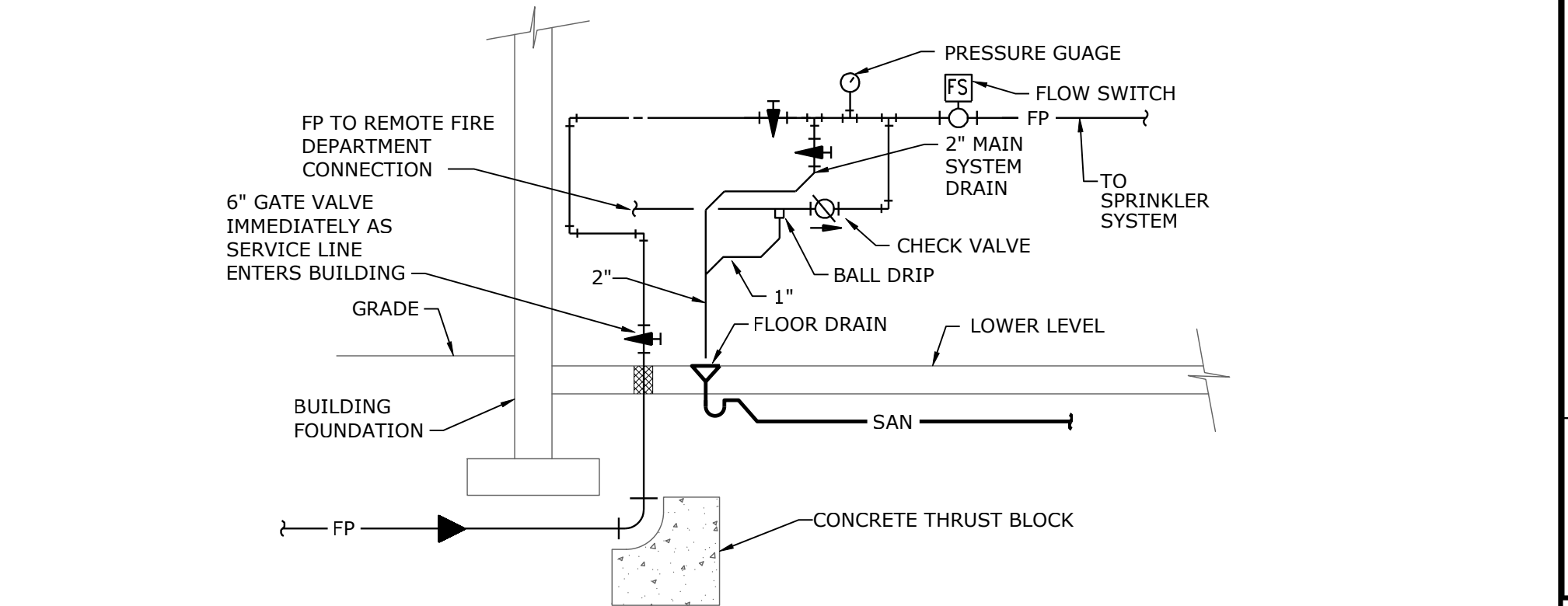
STATE OF MISSOURI
 KENT T. MCCOSH
 NUMBER 1810502
 EXPIRES 03/31/19

JOB NO: 17048
 DRAWN BY: S&B
 CHECKED BY: KTM
 DATE: 03/08/2019

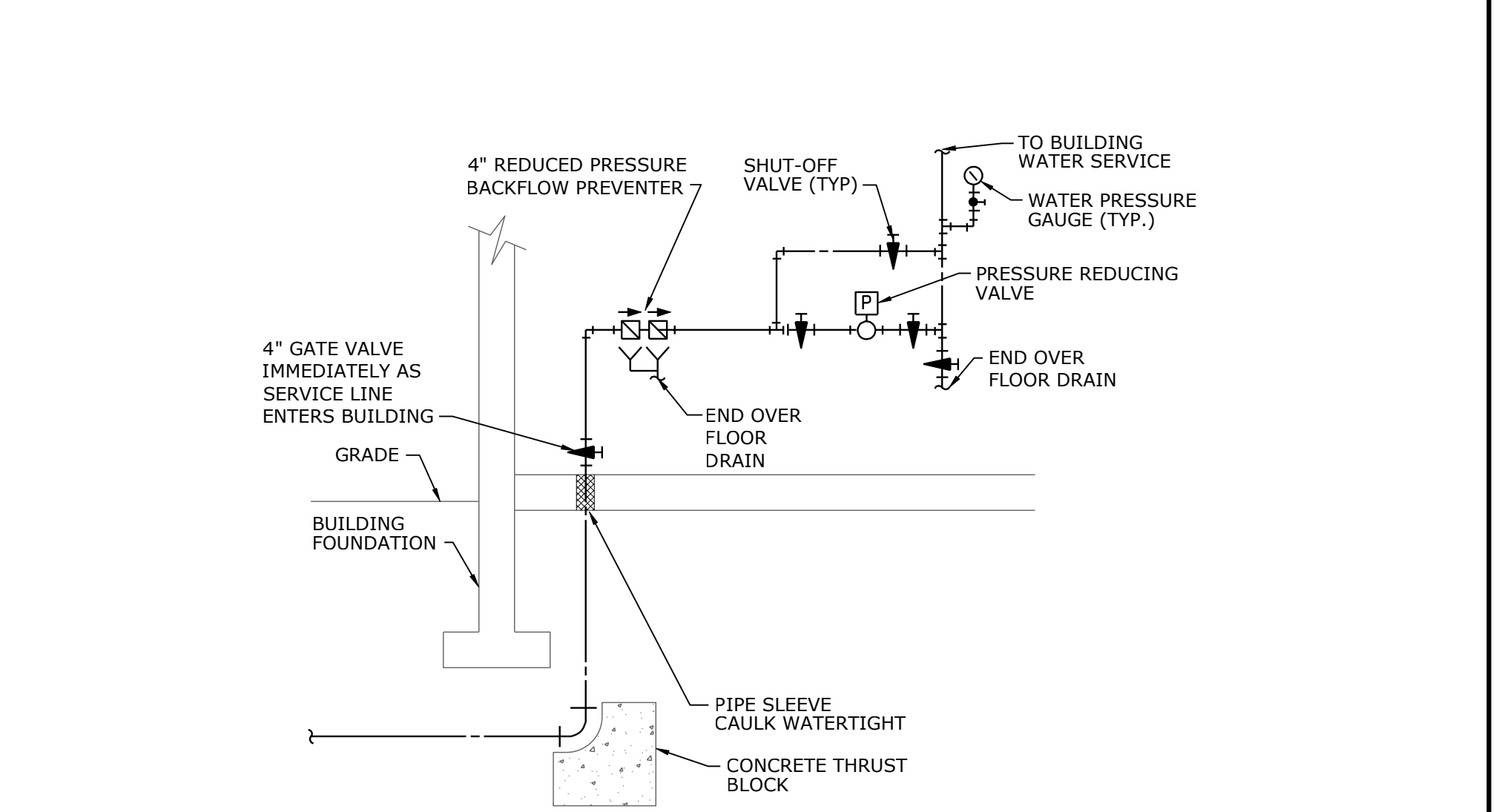
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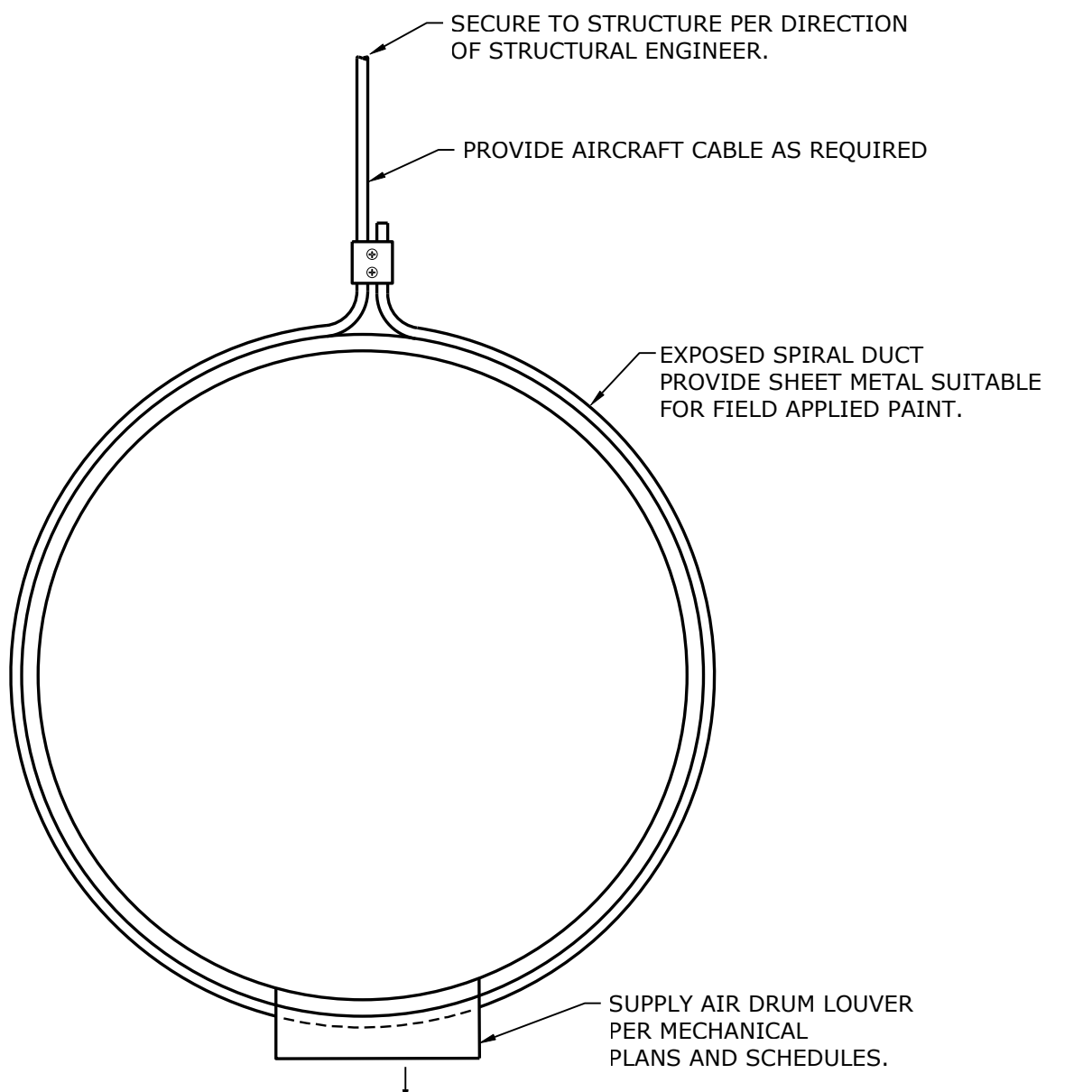
INSTANTANEOUS GAS WATER HEATER DETAIL
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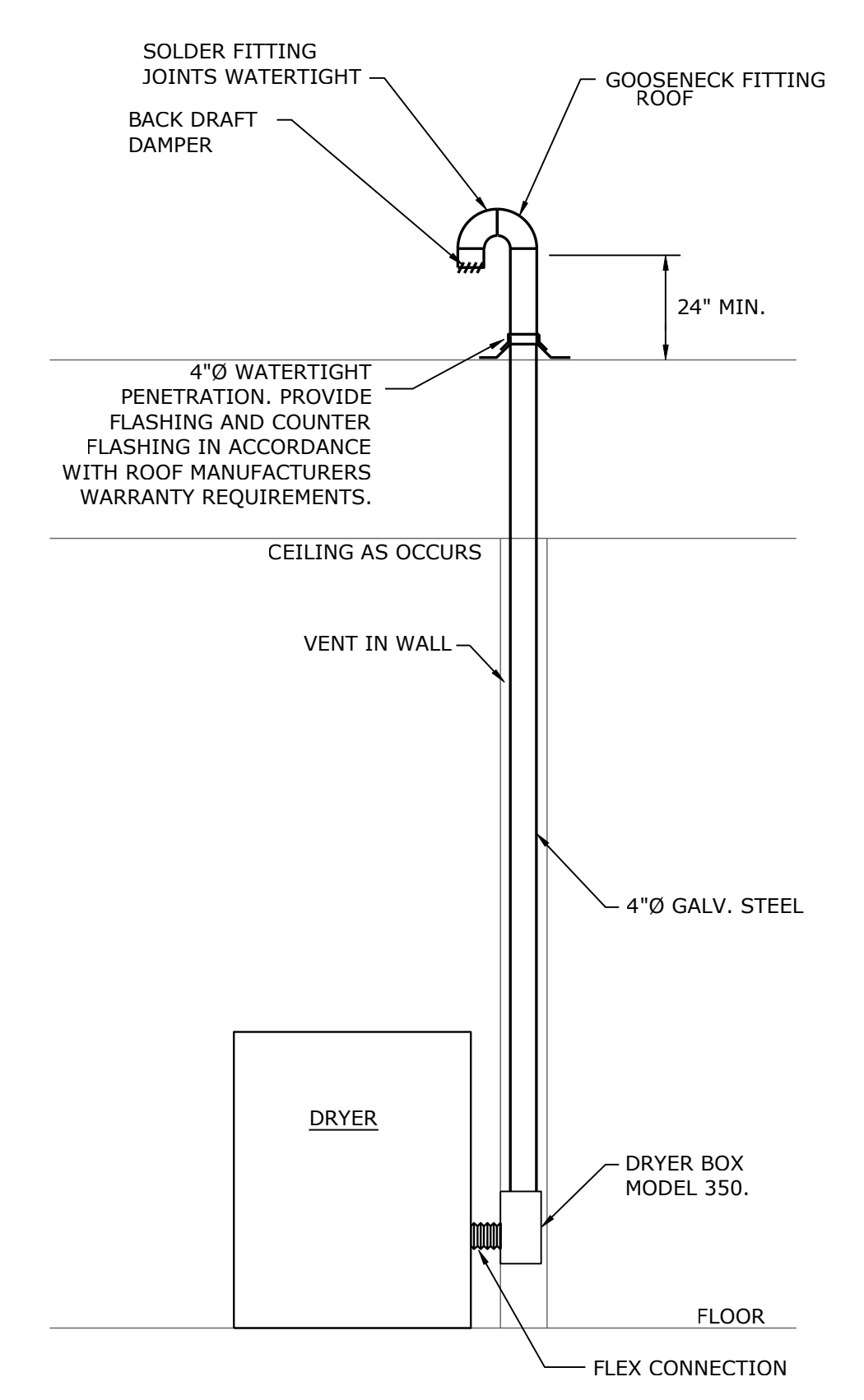
FIRE PROTECTION ENTRANCE DETAIL
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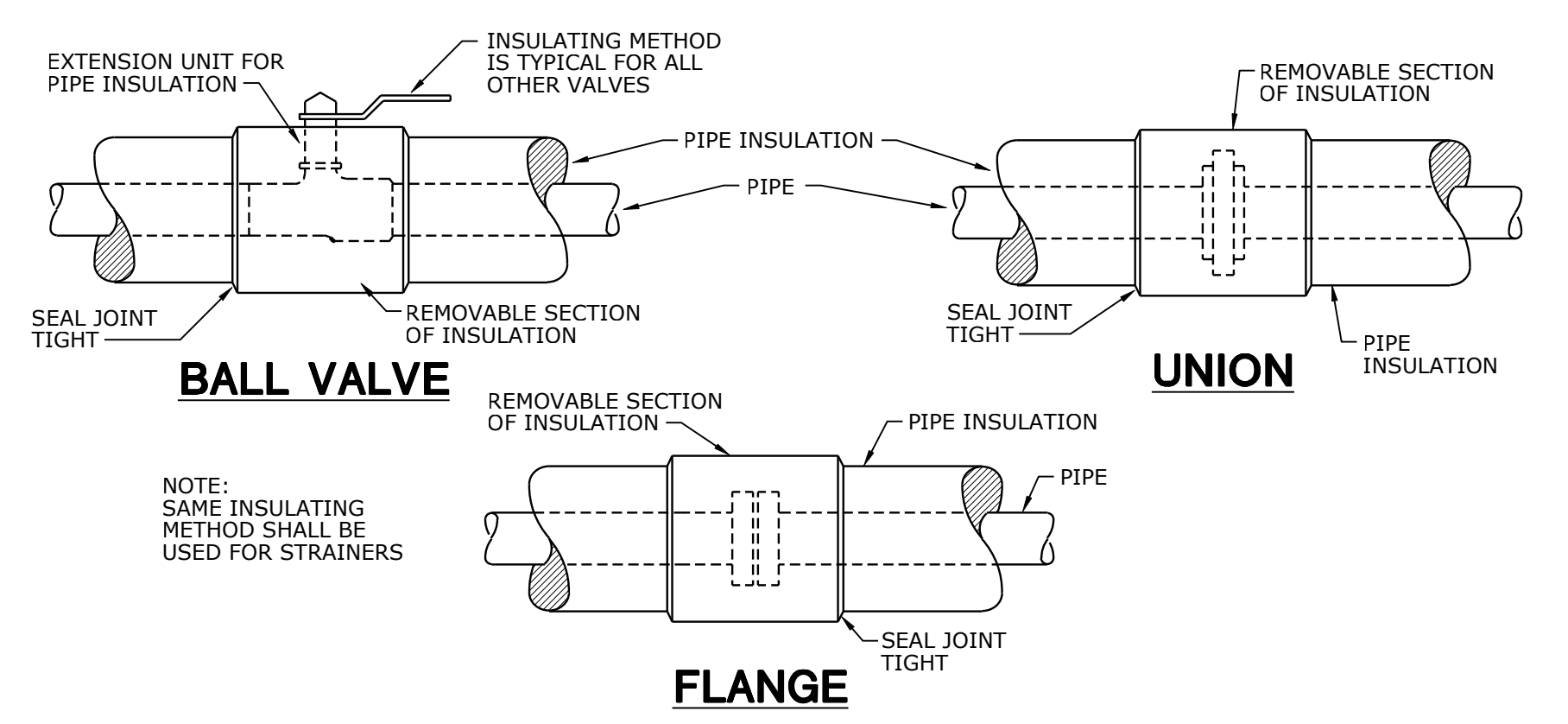
DOMESTIC WATER SERVICE DETAIL
NOT TO SCALE



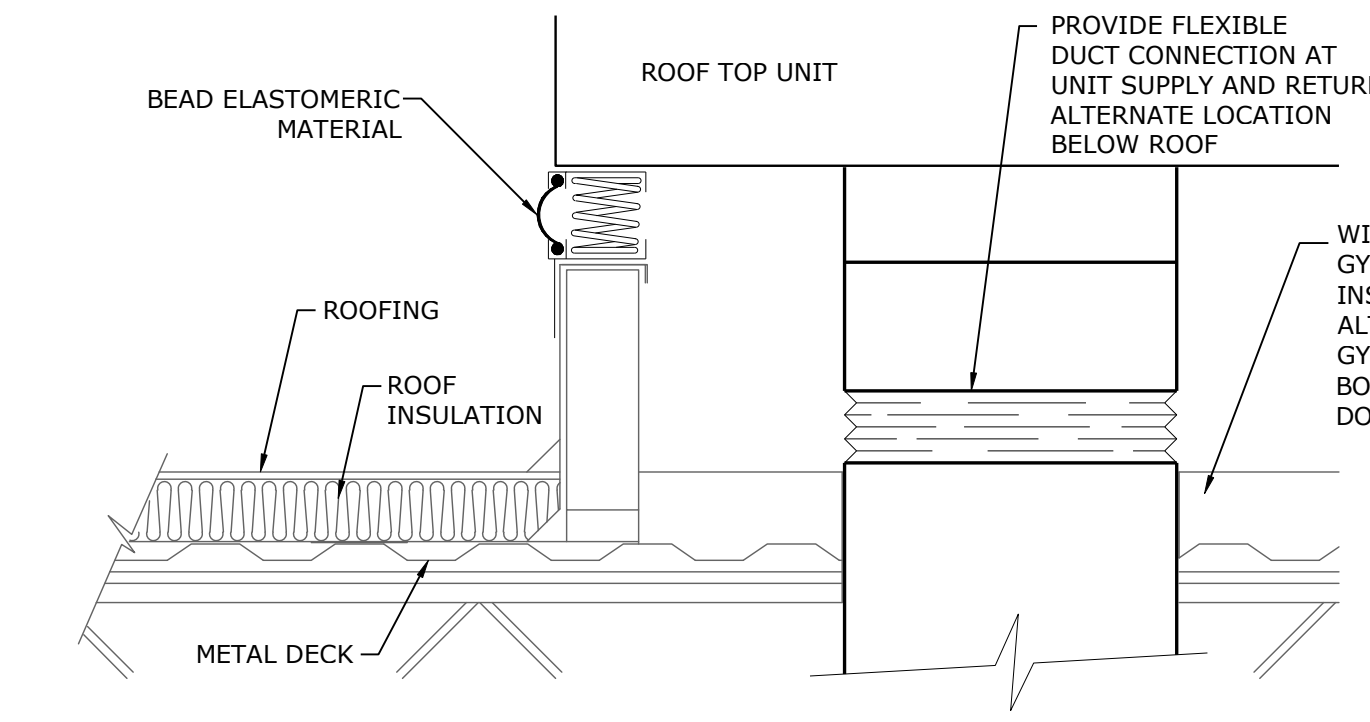
EXPOSED ROUND DUCT WITH DIFFUSERS
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DRYER EXHAUST
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PIPE INSULATION DETAILS
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SECTION THRU ROOF CURB
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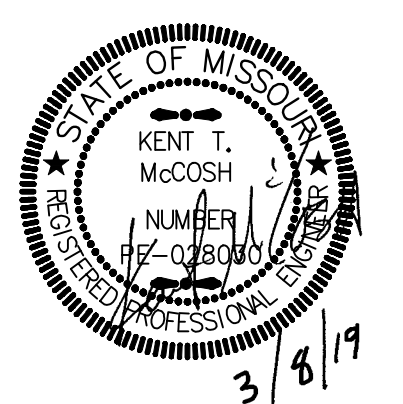
Hollis + Miller Architects
Missouri State Certificate of Authority
Architecture # 000181
Structure # 000031383

MEP Engineer
Smith & Boucher Engineers
25501 W Valley Parkway, Ste 200
Olathe, KS 66061
913.345.2127 phone
913.345.0617 fax

100% CONSTRUCTION DOCUMENTS

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO.

REVISIONS:



JOB NO: 17048
DRAWN BY: S&B
CHECKED BY: KTM
DATE: 03.08.2019

smith&boucher
ENGINEERS
25501 west valley parkway, suite 200 olathe, ks 66061
p.913.345.2127 / 888.299.7540 f.913.345.0617
project number: 1810502

ME303

PROJECT NAME: Herndon Restaurant, NAME: James J. Jones, DATE: 03/08/2019, TIME: 4:27:15 PM
 LAST CORRECTION: R. J. Jones, DATE: 03/08/2019, TIME: 4:27:15 PM
 PLOTTED BY: DATE: 03/08/2019, TIME: 10:23:50 AM
 Charles B. Bosty

PROJECT NAME: Henderson Restaurant
LAST CORRECTION: 03/08/2019 10:24:07 AM
DRAWN BY: Charles Pardy
CHECKED BY: Charles Pardy

JOB NO: 3419760
SHEET NUMBER: DCV-1111
JOB TITLE: Henderson Restaurant

MECHANICAL SCHEDULES AND DETAILS - MECH. AND ELEC.

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	AMOUNT
1	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
2	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
3	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
4	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
5	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
6	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
7	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
8	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
9	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
10	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
11	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
12	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
13	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
14	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
15	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
16	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
17	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00

MECHANICAL SCHEDULES AND DETAILS - MECH. AND ELEC.

Henderson Restaurant
Kansas City, MO, 64133

CAPTIVE AIR

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	AMOUNT
1	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
2	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
3	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
4	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
5	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
6	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
7	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
8	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
9	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
10	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
11	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
12	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
13	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
14	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
15	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
16	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
17	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00

MECHANICAL SCHEDULES AND DETAILS - MECH. AND ELEC.

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4	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
5	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
6	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
7	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
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11	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
12	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
13	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
14	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
15	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
16	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
17	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00

ELECTRICAL SCHEDULES AND DETAILS - MECH. AND ELEC.

Henderson Restaurant
Kansas City, MO, 64133

CAPTIVE AIR

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	AMOUNT
1	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
2	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
3	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
4	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
5	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
6	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
7	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
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9	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
10	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
11	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
12	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
13	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
14	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
15	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
16	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00
17	12" DIA. CAPTIVE AIR	1	EA	100.00	100.00	100.00

ELECTRICAL SCHEDULES AND DETAILS - MECH. AND ELEC.

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Kansas City, MO, 64133

CAPTIVE AIR

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Member State Council of Authority
Architects # 000113
Structure # 00001333

MEP Engineer
Smith & Boucher Engineer
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913.345.2127 phone
913.345.0617 fax

100% CONSTRUCTION DOCUMENTS

Henderson Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO.

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	03/08/2019

STATE OF MISSOURI
KENT T. MCCOSH
REGISTERED PROFESSIONAL ENGINEER
NO. 11111
EXPIRES 12/31/2021

3/9/19

JOB NO: 17048
DRAWN BY: S&B
CHECKED BY: KTM
DATE: 03.08.2019

smith&boucher
ENGINEERS

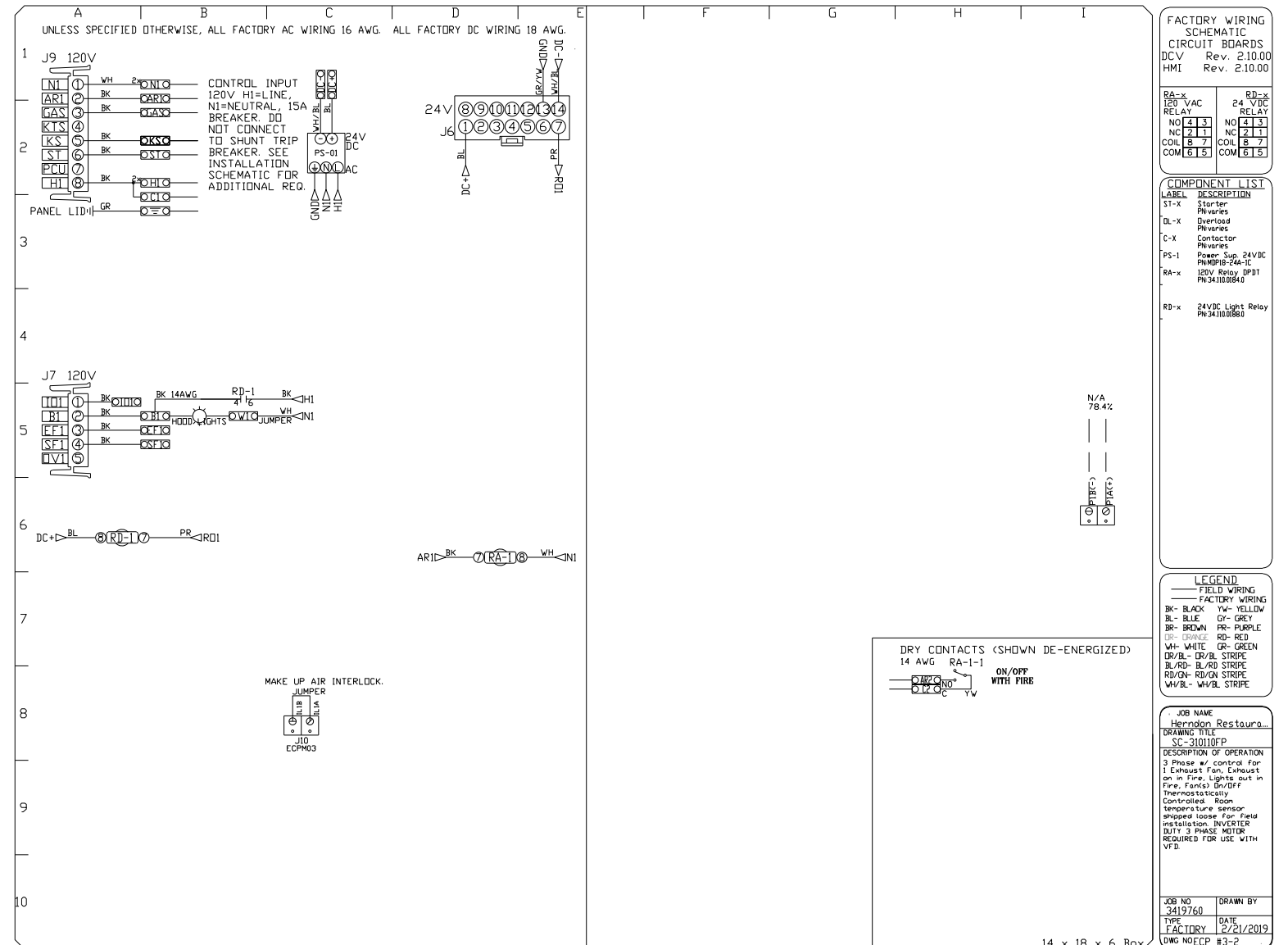
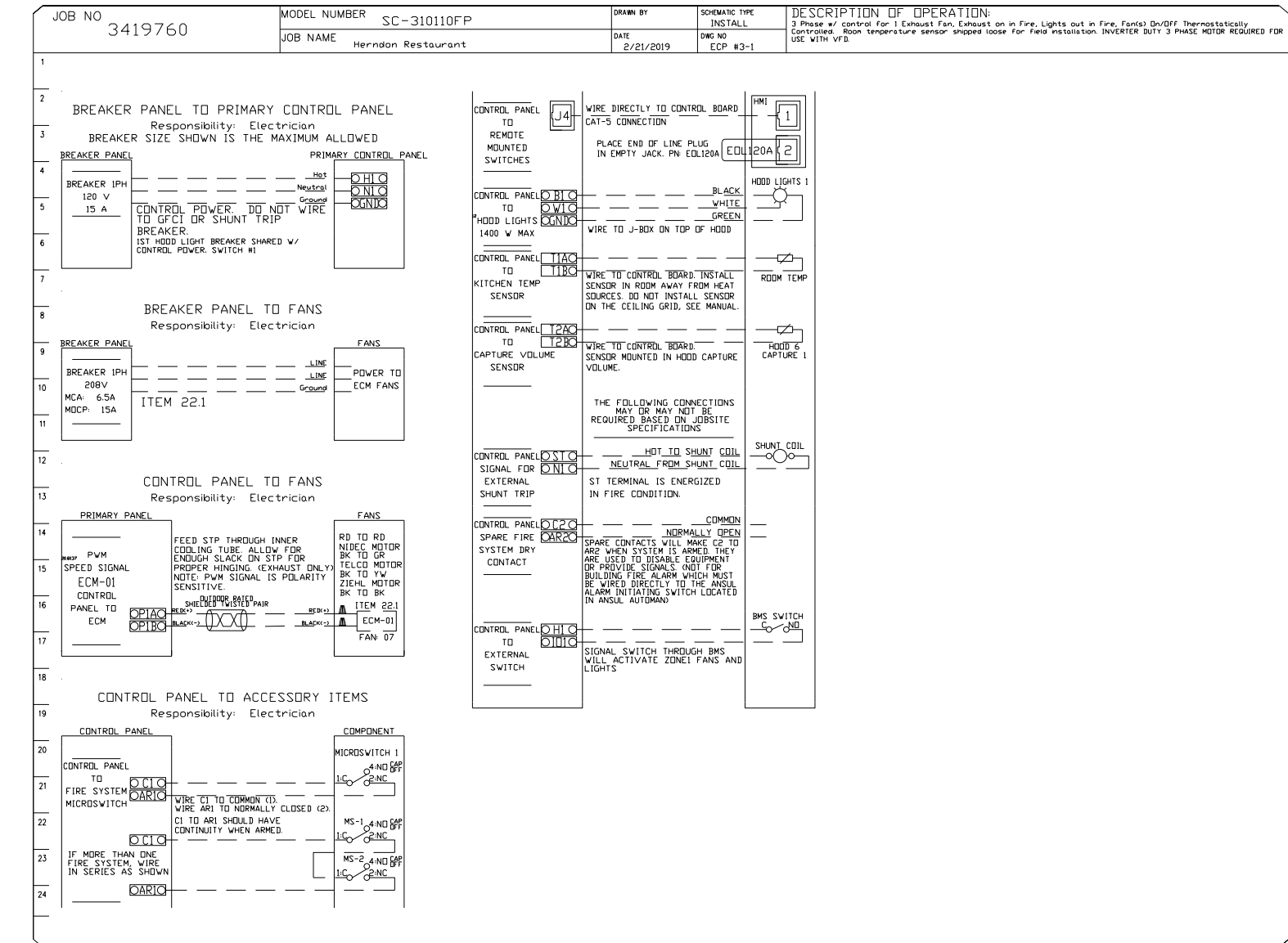
25501 west valley parkway, suite 200 olathe, ks 66061
p.913.345.2127 / 888.299.7540 f.913.345.0617
project number: 1810502

ME304

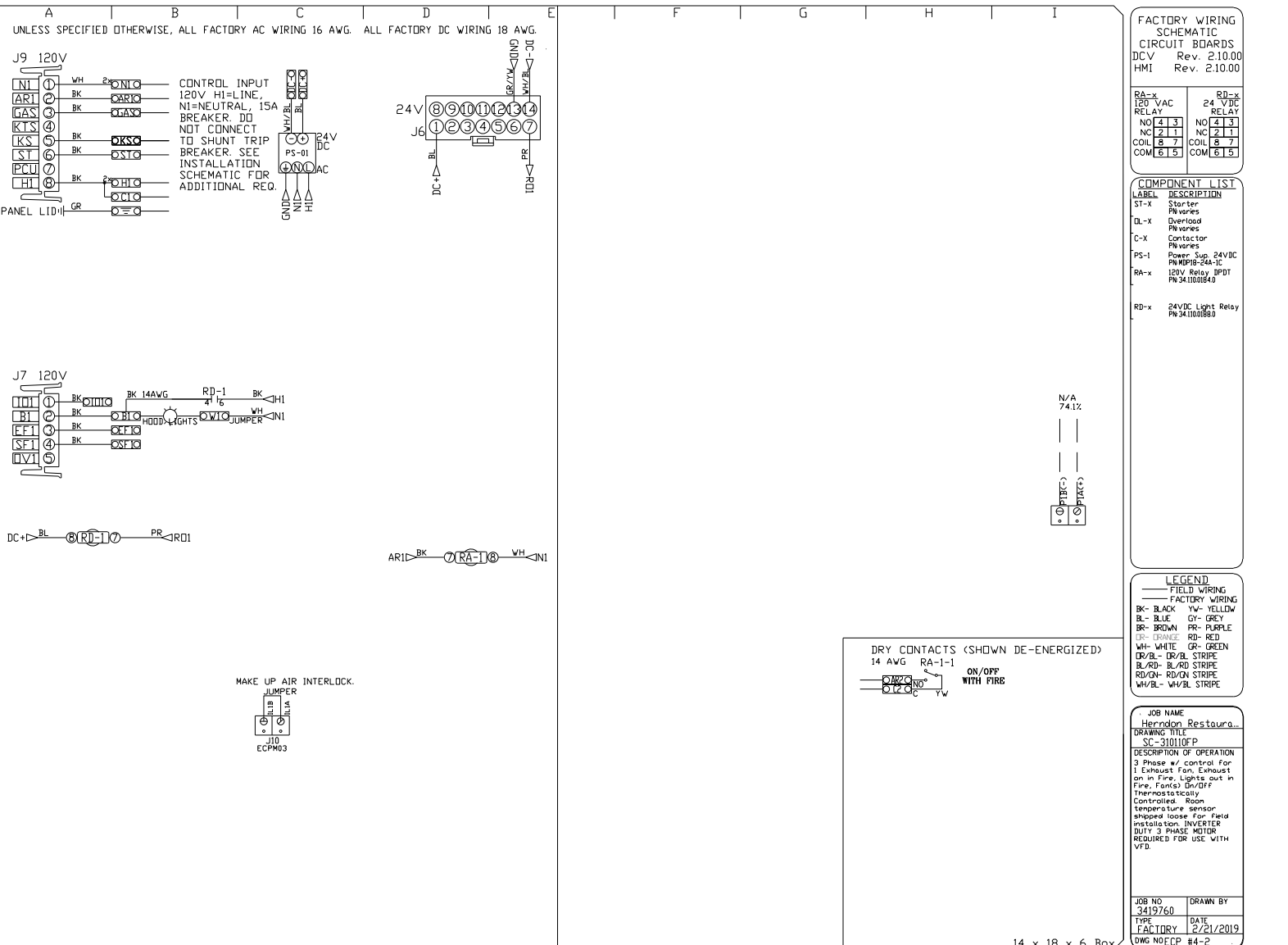
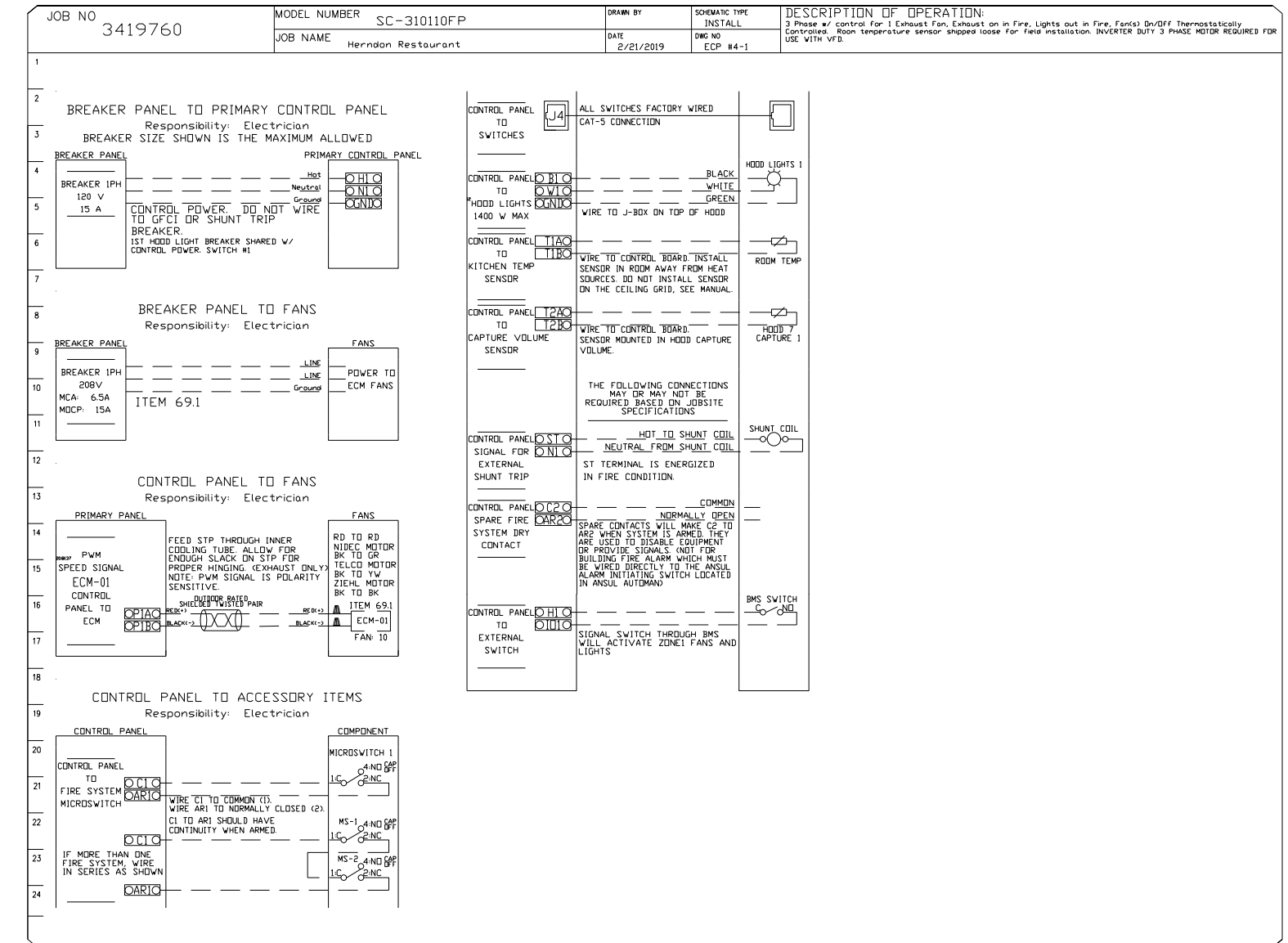
SCHEDULES AND DETAILS - MECH. AND ELEC.

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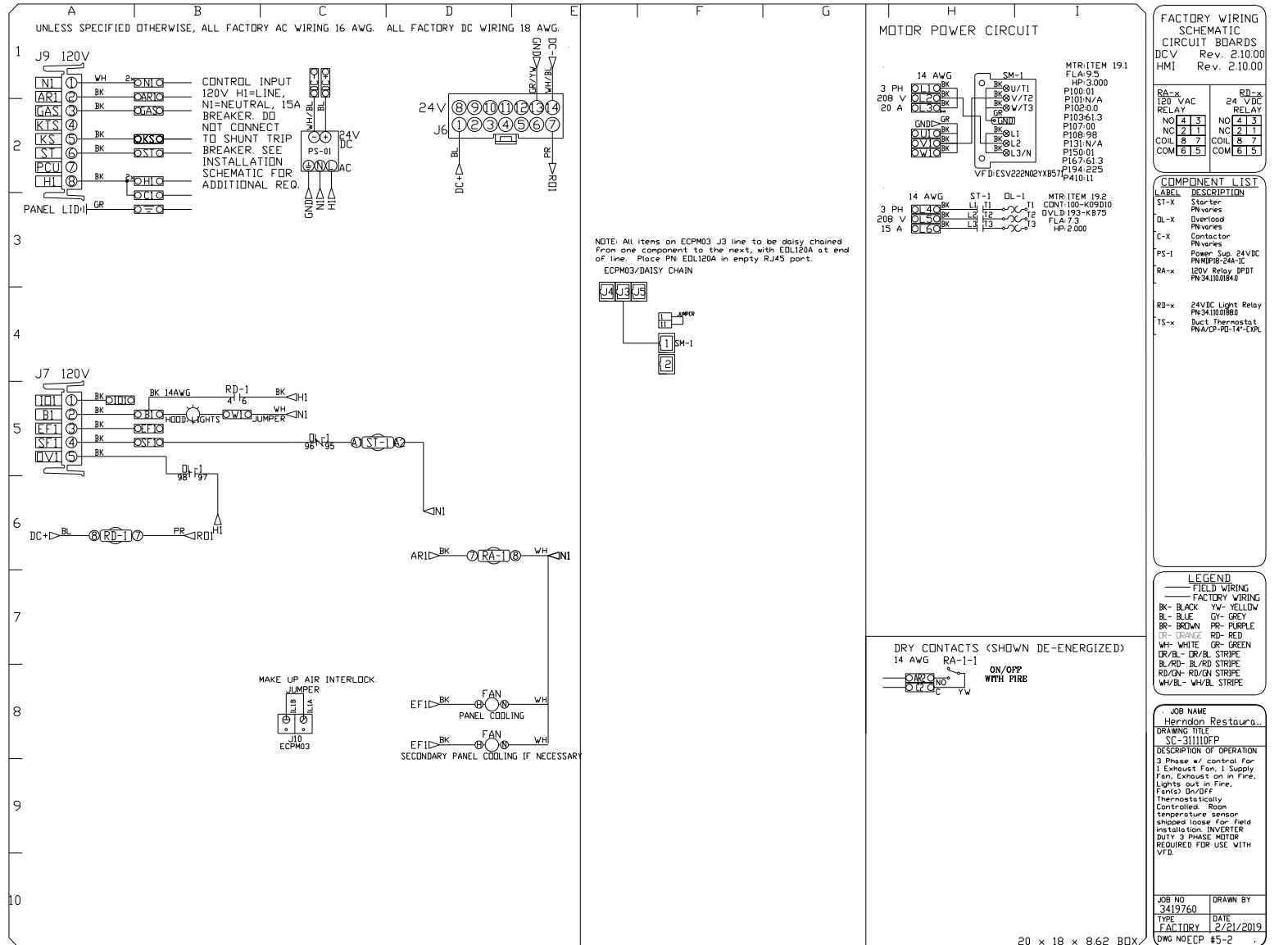
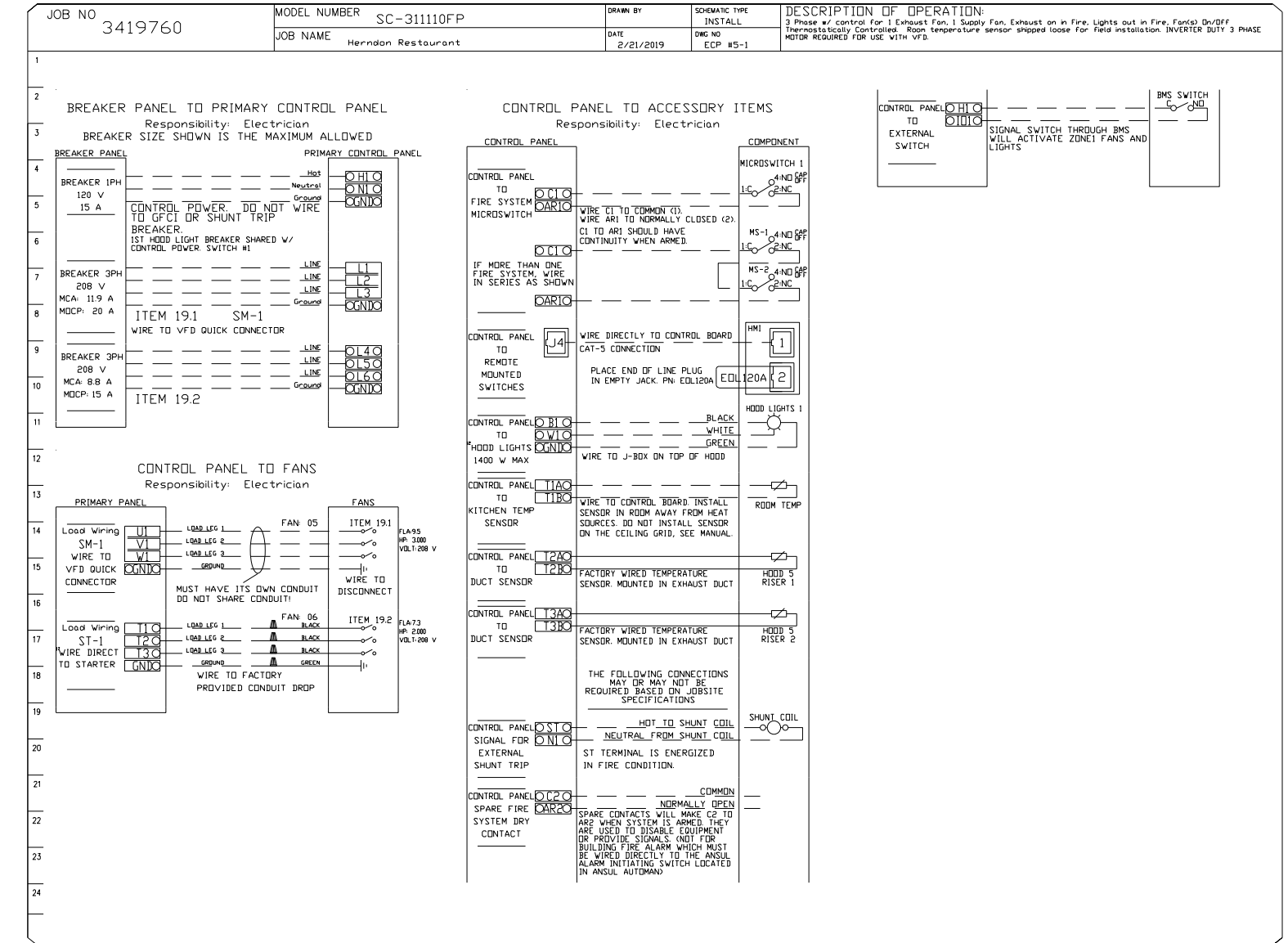
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 LOCATION: 16100 N. 110th St., Overland Park, KS 66204
 DATE: 03/08/2019
 TIME: 10:24:27 AM
 PLOTTED BY: JALE



Henderson Restaurant
 Kansas City, MO, 64133



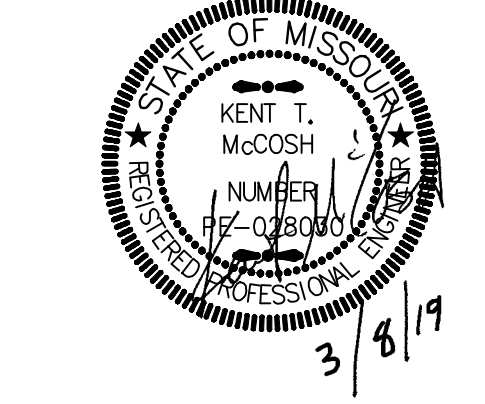
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 Kansas City, MO, 64133



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 p.913.345.2127 / 888.299.7540 f.913.345.0617
 project number: 1810502

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO.



JOB NO: 17048
 DRAWN BY: S&B
 CHECKED BY: KTM
 DATE: 03.08.2019

ME305

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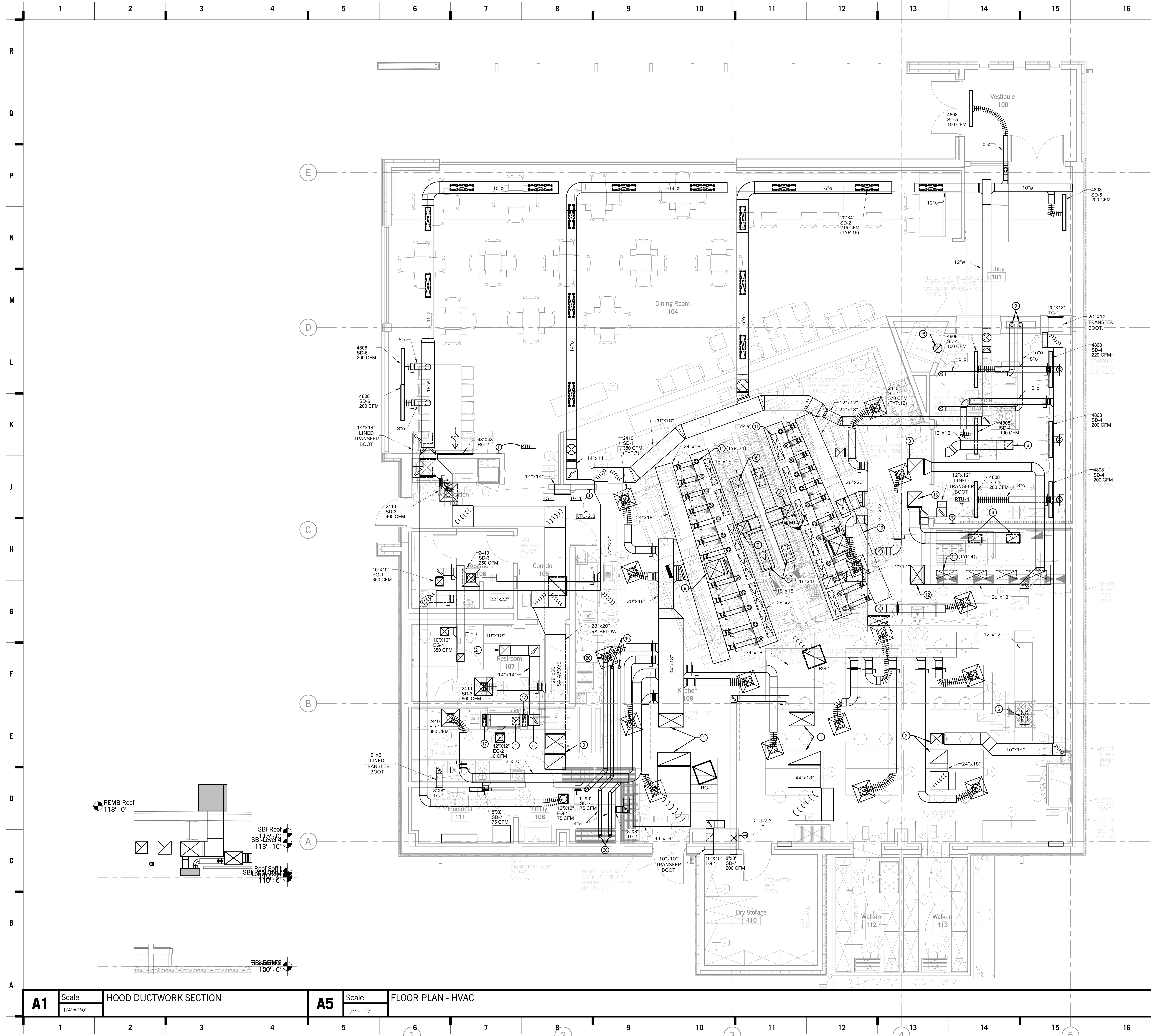
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 Missouri State Certificate of Authority
 Architecture # 000181
 Structure # 000031383

MEP Engineer
 Smith & Boucher Engineer
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 Olathe, KS 66061
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 913.345.0617 fax

hollis + miller architects



SHEET KEYNOTE LEGEND

GENERAL NOTES:

1. ALL DUCT DIMENSIONS INDICATE CLEAR INSIDE OPENING.
2. PROVIDE ALL NECESSARY DUCT TRANSITIONS TO AND FROM ALL AIR MOVING EQUIPMENT.
3. COORDINATE EXACT LOCATION OF CEILING DIFFUSERS AND REGISTERS WITH ARCHITECTURAL CEILING PLAN AND ELECTRICAL LIGHTING.
4. HOLD DUCTWORK AS NEAR TO STRUCTURE AS POSSIBLE. COORDINATE EXACT LOCATIONS WITH ALL OTHER TRADES. DUCT LOCATION IS CRITICAL. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY CONFLICTS THAT ARISE.
5. CONDENSATE PIPING FROM COOLER AND EVAPORATOR COILS TO BE COPPER. VERIFY SIZE WITH MANUFACTURER.
6. HVAC CONTRACTOR TO PERFORM ALL LOW VOLTAGE CONTROL WIRING INCLUDING SENSORS AND SMOKE DETECTORS. COORD. WITH ELEC CONTRACTOR FOR NECESSARY BOXES & CONDUIT.
7. MECHANICAL CONTRACTOR TO COORDINATE DUCT RUNS WITH PLUMBING AND ELECTRICAL DISCIPLINES.
8. MECHANICAL CONTRACTOR TO VERIFY ALL ROOF TOP EQUIPMENT CURB SIZES WITH MANUFACTURER'S DATA.
9. COORDINATE WALL OPENINGS FOR WATER HEATER FLUES WITH PLANS AND G. C.
10. CONTRACTOR SHALL FIELD VERIFY ALL DUCTWORK SIZES AND ROUTING WITH BUILDING CONDITIONS BEFORE FABRICATION. DUCTWORK RISES, DROPS, TRANSITIONS, ETC. SHALL BE FIELD FABRICATED AS MUCH AS POSSIBLE. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE IMMEDIATELY OF ANY CONFLICTS THAT ARISE.
11. SEAL ALL DUCT JOINTS, ALL SIDES, WITH HARDCAST VERSA GRIP 181.

PLAN NOTES:

1. 34"x18" SA AND 44"x18" RA UP TO RTU-2 AND RTU-3 ON ROOF. PROVIDE FULL SIZE TRANSITION AND SMOOTH RADIUS ELBOW.
2. 16"x14" SA AND 24"x18, RA UP TO RTU-4. PROVIDE FULL SIZE TRANSITION AND SMOOTH RADIUS ELBOW.
3. 28"x20" SA AND RA UP TO RTU-1. PROVIDE FULL SIZE TRANSITION AND SMOOTH RADIUS ELBOW.
4. 10"x10" STAINLESS STEEL DUCT DOWN DISHWASHER EXHAUST COLLAR. PROVIDE TRANSITION TO 16"x14" EXHAUST COLLAR.
5. SLOPE DUCTWORK TO DISH INLET SIDE.
6. GREASE DUCT DOWN TO KITCHEN HOOD EXHAUST CONNECTION. REFER TO KITCHEN HOOD DRAWINGS.
7. 24"x24" GREASE DUCT UP TO KEF-3 ON ROOF. PROVIDE TRANSITION.
8. 22"x22" GREASE DUCT UP TO KEF-2 ON ROOF. PROVIDE TRANSITION.
9. 22"x22" UP TO MAU-1 ON ROOF. PROVIDE TRANSITION.
10. 22"x22" UP TO MAU-2 ON ROOF. PROVIDE TRANSITION.
11. MAKE UP AIR DUCT DOWN TO CONNECTION ON EXHAUST HOOD. PROVIDE BALANCING DAMPER. COORDINATE WITH KITCHEN HOOD DRAWINGS.
12. 22"x22" UP TO MAU-3 ON ROOF. PROVIDE TRANSITION.
13. 20"x20" GREASE DUCT UP TO KEF-5 ON ROOF. PROVIDE TRANSITION.
14. 5" ROUND DUCT CONNECTION TO EXHAUST HOOD. COORDINATE WITH KITCHEN HOOD DRAWING.
15. 10" DUCT UP TO KEF-2 FOR PIZZA OVEN FLUE.
16. COMMON INTAKE AND EXHAUST FOR WATER HEATERS UP TO ROOF. PROVIDE CAPS. ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
17. DISHWASHER EXHAUST DUCT TRANSITION DOWN TO 16"x14" DISHWASHER DUCT CONNECTION. PROVIDE STAINLESS STEEL BALANCE DAMPER.
18. 12"x12" GREASE DUCT UP TO KEF-4 ON ROOF. PROVIDE TRANSITION. GAS FIREPLACE FLUES. ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
19. GAS FIREPLACE FLUES. ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
20. DRYER EXHAUST UP TO ROOF. PROVIDE ROOF CAP. REFER TO DETAIL.
21. 14"x14" DISHWASHER EXHAUST UP TO DEF-1 ON ROOF. PROVIDE TRANSITION.

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Hollis + Miller Architects
 Missouri State Certificate of Authority
 Architecture # 00000161
 Structure # 250001330

MEP Engineer
 Smith & Boucher Engineer
 25501 W Valley Parkway, Ste 200
 Olathe, KS 66061
 913.345.2127 phone
 913.345.0617 fax

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
 Raytown, MO.

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REVISIONS:

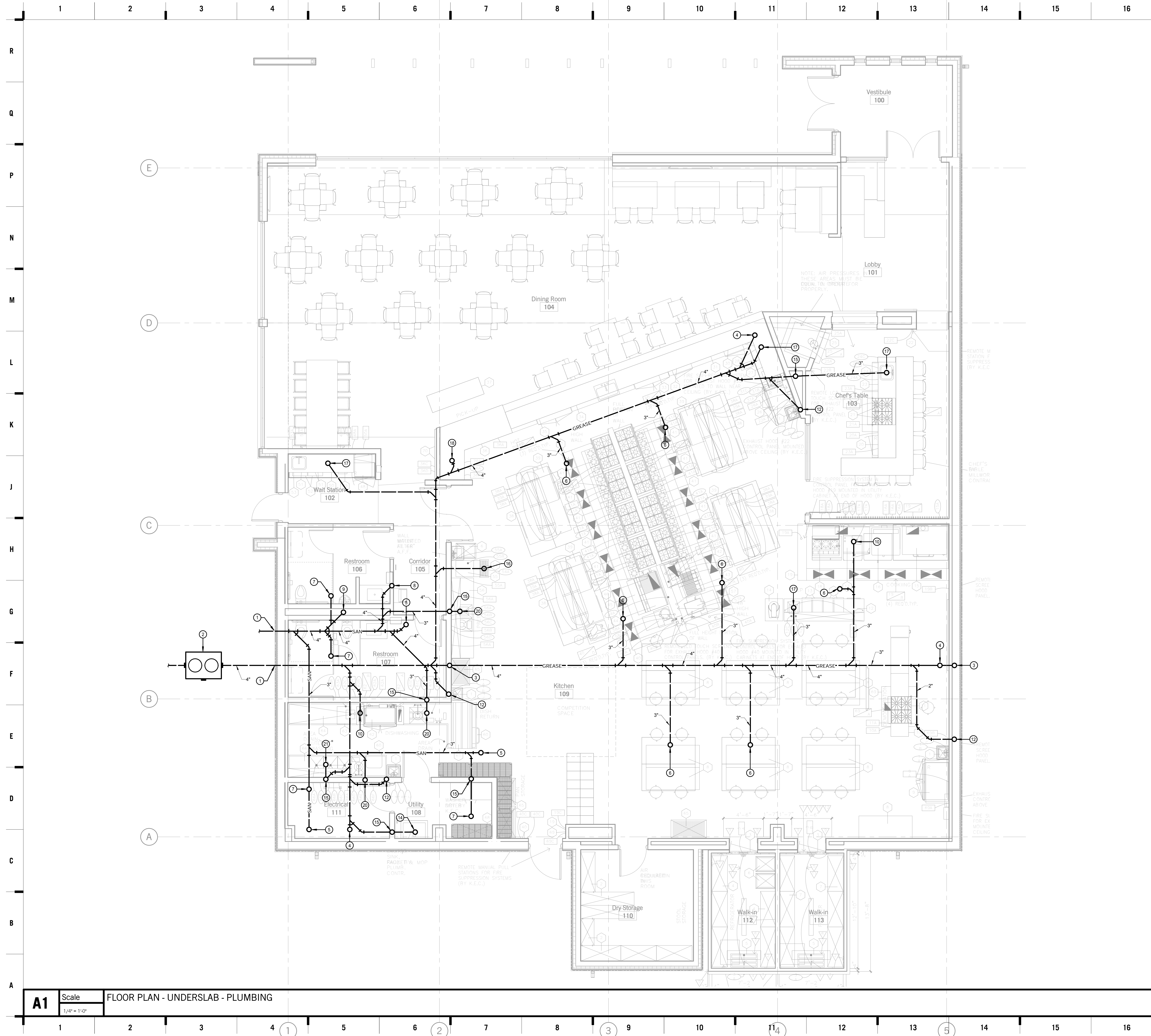
#	Description	Date

JOB NO: 17048
 DRAWN BY: SBI
 CHECKED BY: KTM
 DATE: 03.08.2019

STATE OF MISSOURI
 KENT T. MCCOSH
 REGISTERED PROFESSIONAL ENGINEER
 3/8/19

smith&boucher ENGINEERS
 25501 west valley parkway, suite 200 olathe, ks 66061
 phone 913.345.2127 fax 913.345.0617
 project number 1810502

M101



SHEET KEYNOTE LEGEND

- GENERAL NOTES:**
- REFER TO KITCHEN CONSULTANT DRAWINGS FOR CONNECTION/ROUGH-IN REQUIREMENTS FOR ALL KITCHEN EQUIPMENT.
 - PROVIDE QUARTER TURN SHUT OFF VALVE AND STAINLESS STEEL HOSE FOR HW AND CW CONNECTIONS AT EACH SINK.
- PLAN NOTES:**
- FLOW LINE AT 4" BELOW GRADE. REFER TO CIVIL PLANS FOR CONTINUATION.
 - 275 GALLON LIQUID GREASE AND 100 GPM FLOW RATE CAPACITY. WITH 16,000 LB LOAD RATED COVERS. POLYETHYLENE GREASE INTERCEPTOR EQUAL TO SCHIER GB-250. PROVIDE ADJUSTABLE RISERS AS REQUIRED. COORDINATE LOCATION AND SLAB DETAIL WITH CIVIL PLANS.
 - 2" VENT UP.
 - 3" GREASE UP TO FLOOR CLEANOUT.
 - 3" SANITARY UP TO FLOOR CLEANOUT.
 - 3" GREASE UP TO FLOOR DRAIN.
 - 2" SANITARY UP TO FLOOR DRAIN.
 - 2" SANITARY UP TO ELECTRIC WATER COOLER.
 - 4" SANITARY UP TO WATER CLOSETS, URINAL AND LAVATORIES. REFER TO RISER DIAGRAM.
 - 3" GREASE UP TO FLOOR SINK.
 - 3" SANITARY UP TO FLOOR SINK.
 - 2" GREASE UP TO HAND SINK.
 - SAN UP TO WASHING MACHINE BOX.
 - 3" GREASE UP TO SANITARY SINK DRAIN.
 - 1-1/2" VENT UP.
 - 2" GREASE UP TO FLOOR THROUGH.
 - 2" GREASE UP TO FLOOR SINK.
 - 2" GREASE UP TO FLOOR DRAIN WITH FUNNEL STRAINER.
 - 2" SANITARY UP TO FLOOR SINK.
 - 2" SANITARY UP TO DISPOSER.
 - 2" GREASE UP TO THREE COMPARTMENT SINK.

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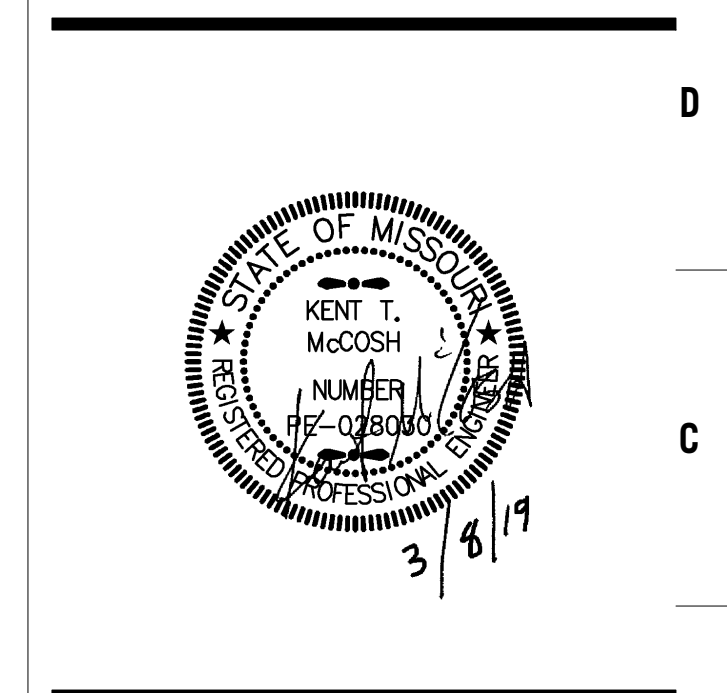
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Herndon Restaurant
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REVISIONS:

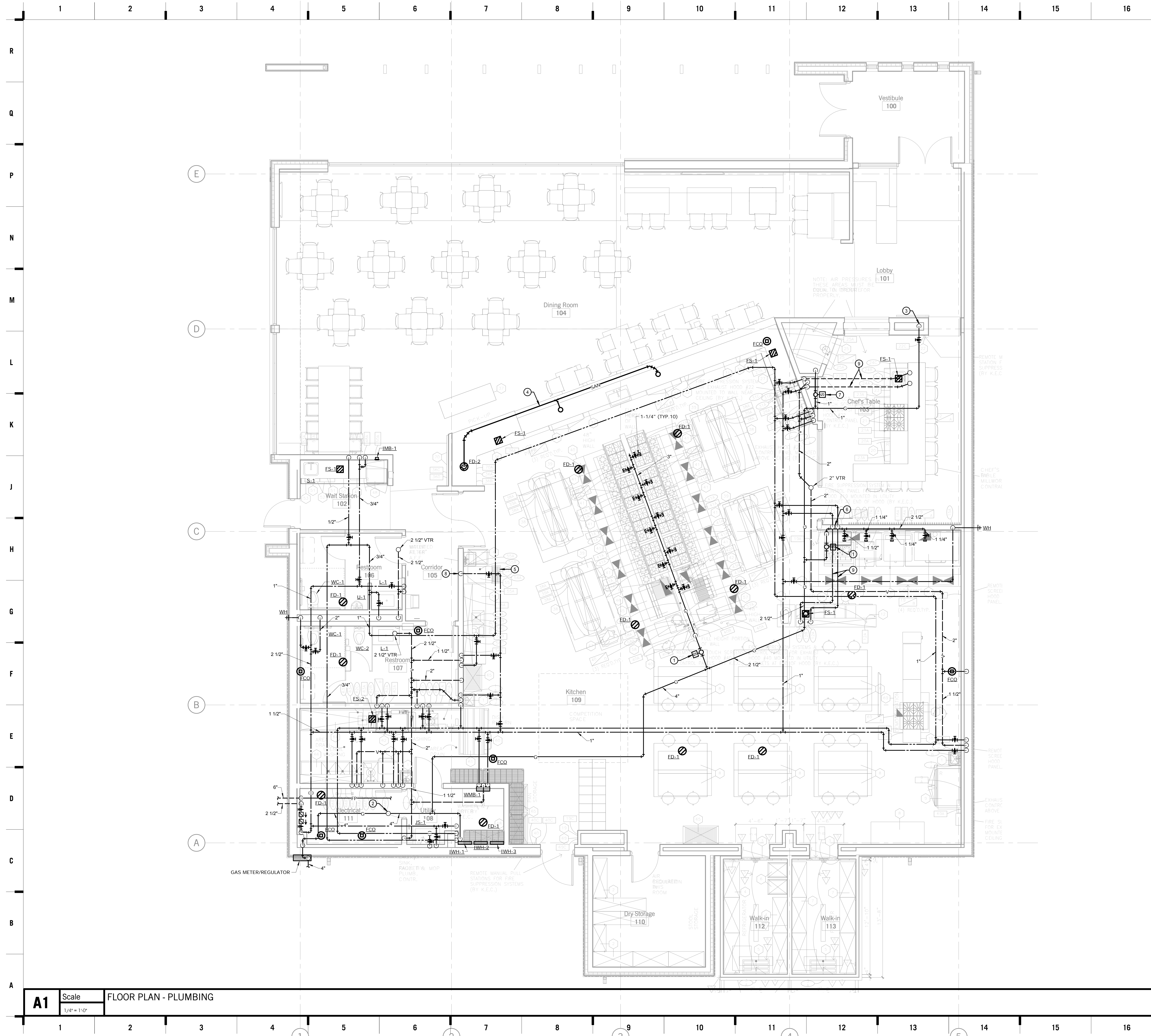
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JOB NO: 17048
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 CHECKED BY: KTM
 DATE: 03.08.2019

smith&boucher
 ENGINEERS
 25501 west valley parkway, suite 200 olathe, ks 66061
 phone 913.345.2127 fax 913.345.0617
 project number 1810502

P100



SHEET KEYNOTE LEGEND

- GENERAL NOTES:**
 1. REFER TO P100 FOR GENERAL NOTES.
- PLAN NOTES:**
- ① SOLENOID VALVE TO BE CONNECTED WITH HOOD COORDINATE VALVE WITH HOOD FIRE SUPPRESSION SYSTEM AND KITCHEN CONSULTANT.
 - ② 3" GAS LINE UP TO ROOF TOP EQUIPMENT. REFER TO ROOF PLANS.
 - ③ 3/4" GAS DOWN TO FIRE PLACE.
 - ④ ROUTE CONDENSATE DRAIN LINES AT 1/4" PER FOOT IN HALF WALL TO FLOOR DRAIN AS SHOWN.
 - ⑤ 18"X24" FLOOR TROUGH SUPPLIED BY PER, INSTALLED BY PLUMBING CONTRACTOR.
 - ⑥ 1/2" HW AND 1/2" CW DOWN WALL AND BELOW GRADE TO ISLAND SINK.
 - ⑦ SOLENOID VALVE.
 - ⑧ ROUTE WATER THRU WATER FILTER AND TO EQUIPMENT. REFER TO KITCHEN CONSULTANT.
 - ⑨ 1/2" HW AND 1/2" CW ROUTED UNDERSLAB TO ISLAND SINK.

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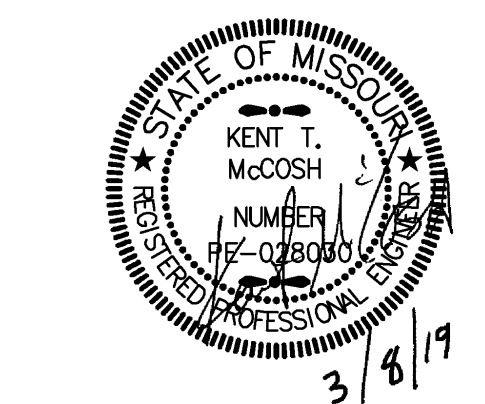
Hollis + Miller Architects
 Missouri State Certificate of Authority
 Architecture # 0000161
 Structure # 250001303

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REVISIONS:

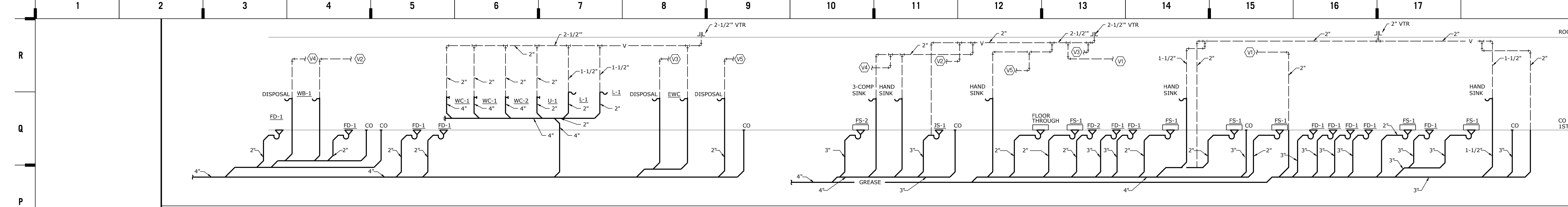
#	Description	Date



JOB NO: 17048
 DRAWN BY: SBI
 CHECKED BY: KTM
 DATE: 03.08.2019

smith&boucher
 ENGINEERS
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 phone 913.345.2127 fax 913.345.0617
 project number 1810502

P101



SANITARY AND VENT RISER DIAGRAM
NOT TO SCALE

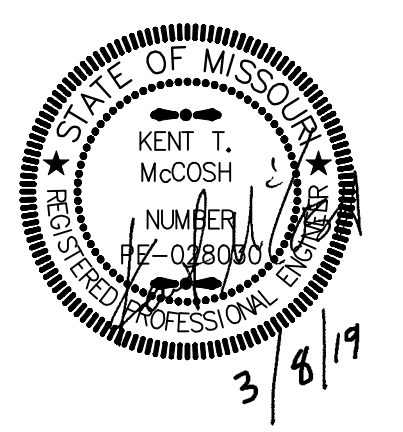
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DOCUMENTS

Herndon Restaurant
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO.

REVISIONS:

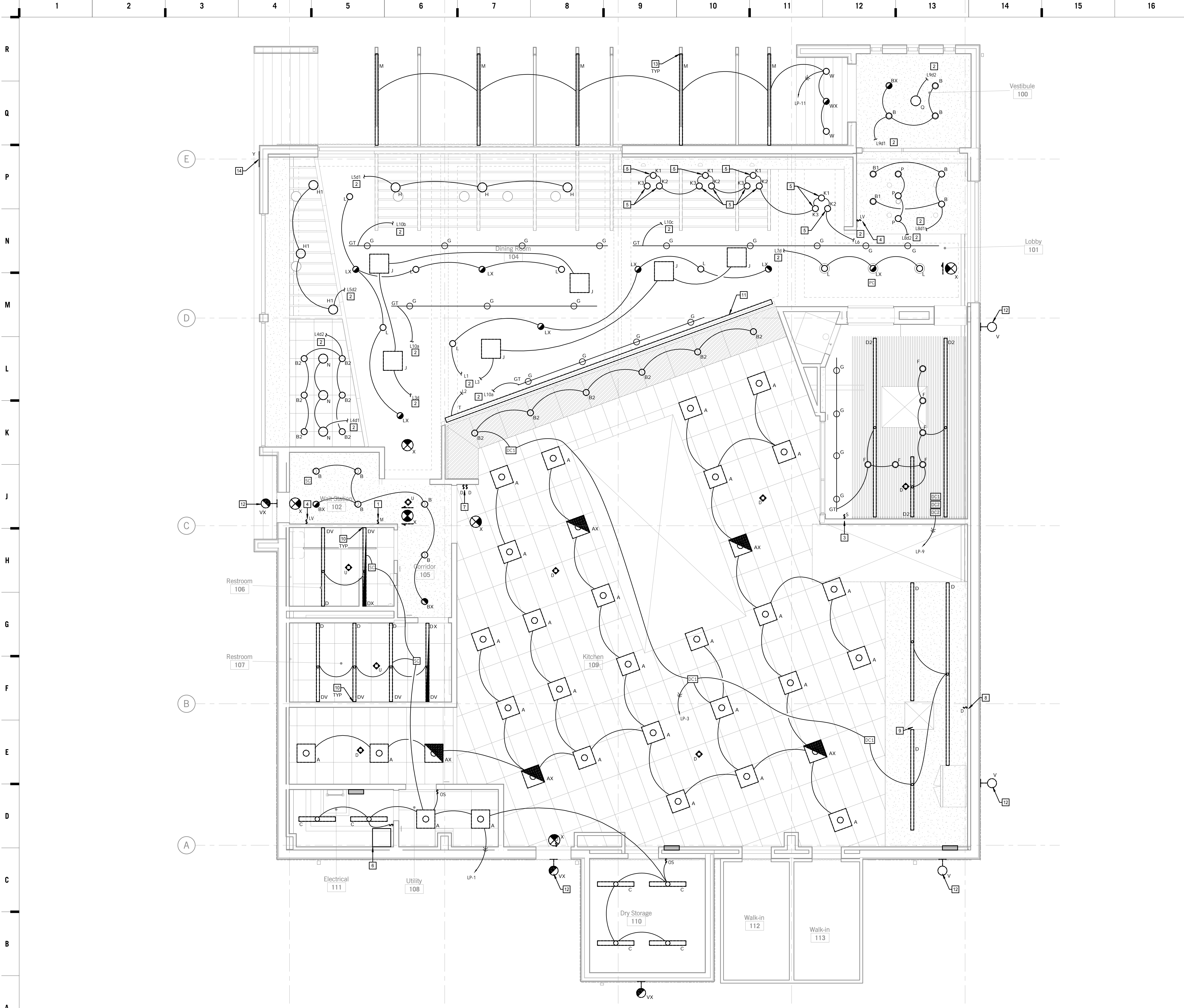


JOB NO: 17048
DRAWN BY: S&B
CHECKED BY: KTM
DATE: 03.08.2019

smith&boucher
ENGINEERS
25501 west valley parkway, suite 200 olathe, ks 66061
p.913.345.2127 / 888.299.7540 f.913.345.0617
project number: 1810502

P201

PROJECT NAME: Herndon Restaurant - NAME
LAST CORRECTION: DATE
PLOTTED BY: DATE
Loudberg SD Field Building
C:\Users\james\OneDrive\Documents\1810502_P001.rvt
James Tuesday, March 5, 2019 8:54:33 AM
Charles Tuesday, March 5, 2019 10:24:41 AM



SHEET KEYNOTE LEGEND

TYPICAL LIGHTING GENERAL NOTES:

1. CIRCUIT ALL EMERGENCY BATTERY BALLASTS, NIGHT LIGHTS, FIXTURE TYPE "E" AND "X" WITH AN UNSWITCHED HOT CONDUCTOR.
2. CONNECT ALL TYPE "E" AND "X" FIXTURES TO ASSOCIATED ROOM LIGHTING CIRCUIT.
3. PROVIDE LOW VOLTAGE WIRING BETWEEN OCCUPANCY SENSORS AND TO CORRESPONDING POWER PACKS WITHIN EACH ROOM UNLESS NOTED OTHERWISE. REFER TO WIRING DIAGRAMS ON SHEET E301 FOR MORE INFORMATION.
4. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS OF ALL LIGHT FIXTURES AND WALL MOUNTED ELECTRICAL DEVICES.
5. PATCH AND REPAIR ALL OPENINGS CREATED THAT PENETRATE FIRE RATED WALLS, FLOORS AND CEILINGS USING UL APPROVED METHODS AND MATERIALS CONSISTENT WITH THE RATING OF THE SURFACE PENETRATED.

PLAN NOTES:

- 1 DINING MASTER LIGHTING CONTROL TOUCH PAD LOCATION. REFER TO SHEET E301 FOR MORE INFORMATION.
- 2 REFER TO LIGHTING CONTROL SCHEMATIC ON E301 FOR MORE INFORMATION.
- 3 CHEF'S TABLE MASTER LIGHTING CONTROL TOUCH PAD LOCATION. REFER TO SHEET E301 FOR MORE INFORMATION.
- 4 HOUSEKEEPING LIGHTING LOW VOLTAGE OVERRIDE SWITCH LOCATION. REFER TO SHEET E301 FOR MORE INFORMATION.
- 5 SUPPORT FIXTURES FROM ARCHITECTURAL UNISTRUT FRAME CONDUIT ROUTED DOWN IN ALL FROM CEILING TO UNISTRUT STRUCTURE.
- 6 LIGHTING CONTACTOR PANEL WITH (4) 20A CONTACTORS. PROVIDE WITH TIME CLOCK AND EXTERIOR MOUNT PHOTOCELL.
- 7 DIMMING SWITCHES FOR KITCHEN AND PREP COUNTER ZONES.
- 8 TYPE D FIXTURE AT TEACHER'S STATION LOCAL CONTROL LOCATION.
- 9 COORDINATE TYPE D INSTALLATION WITH HOOD LOCATION.
- 10 FIXTURE TYPE D TO TURN DOWN VERTICALLY IN WALL. TYPICAL FOR ALL LOCATIONS ON INDICATED WALL. PROVIDE WITH MANUFACTURER'S CORNER TRANSITION KIT.
- 11 MOUNT TYPE T FIXTURE 4" FROM STONE WALL. AIM TO GRAZE STONE, WITH THE BEAM EDGE ENDING AT THE BOTTOM OF THE STONE.
- 12 CONNECT ALL EXTERIOR FIXTURES TO CIRCUIT LP-11. ROUTE EACH ZONE THROUGH LIGHTING CONTACTOR. REFER TO CONTACTOR SCHEDULE FOR MORE INFORMATION.
- 13 MOUNT TYPE M FIXTURE ON BEAM. REFER TO ARCHITECTURAL DRAWINGS FOR LENGTHS. COORDINATE MOUNTING WITHIN STRUCTURAL ELEMENT.
- 14 MOUNT TYPE Y TAPE LIGHT BEHIND RESTAURANT SIGNAGE TO BACKLIGHT LETTERS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

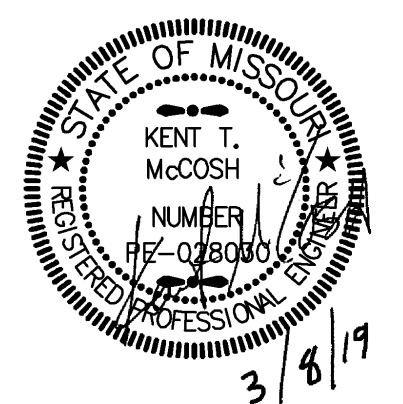
hollis architects + miller
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 HOLLISANDMILLER.COM
 Hollis + Miller Architects
 Missouri State Certificate of Authority
 Architecture # 0000161
 Interior # 250001700
 MEP Engineer
 Smith & Boucher Engineer
 25501 W Valley Parkway, Ste 200
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100% CONSTRUCTION DOCUMENTS

Herndon Restaurant
 Raytown Quality Schools
 11501 E. 350 Hwy
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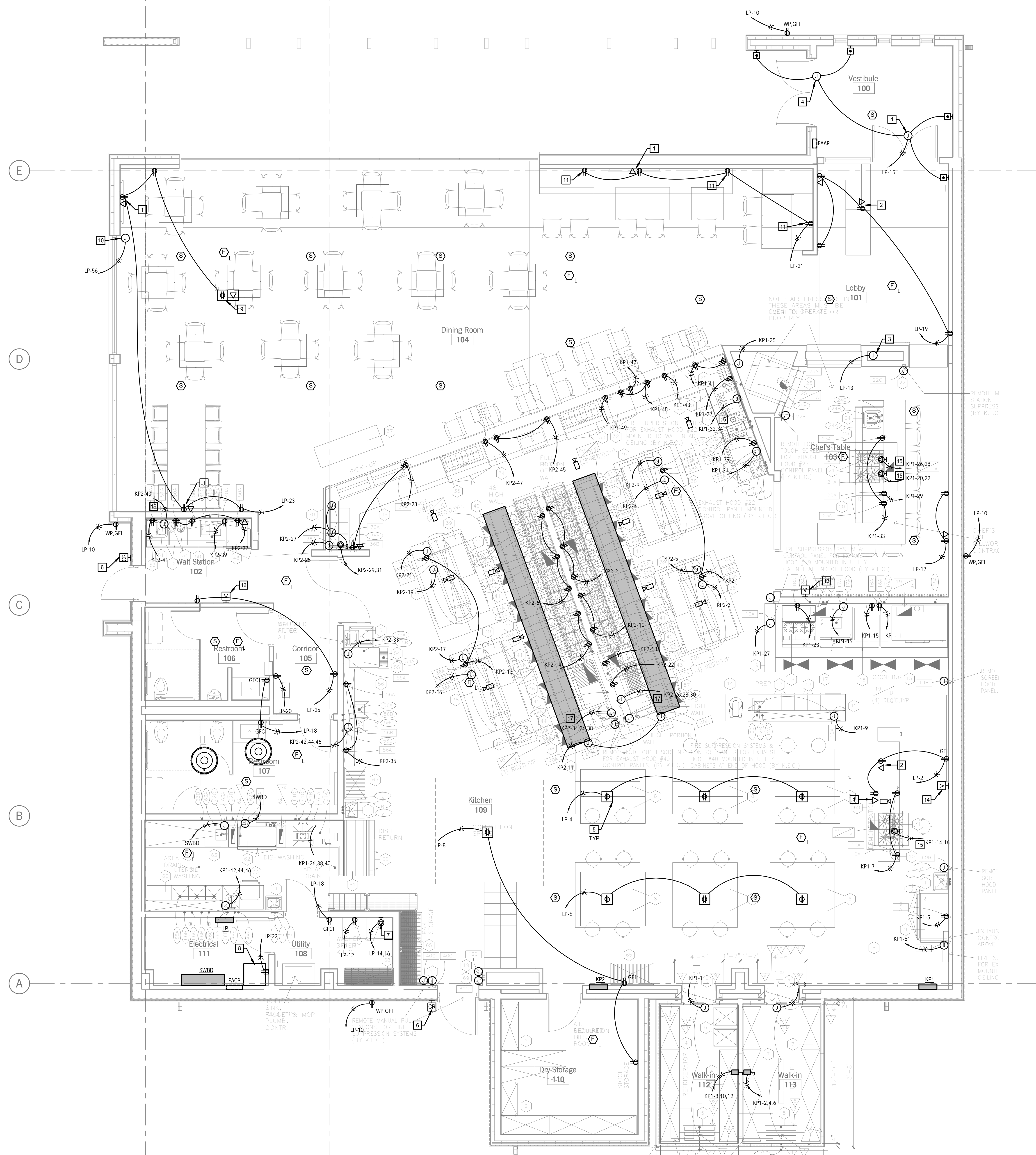


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 project number 1810502

E101

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SHEET KEYNOTE LEGEND

- TYPICAL LIGHTING GENERAL NOTES:**
- REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT MOUNTING LOCATIONS OF ALL CEILING AND WALL MOUNTED ELECTRICAL DEVICES.
 - REFER TO M/E SCHEDULES FOR MECHANICAL EQUIPMENT CIRCUITING INFORMATION.
 - TELECOM LOCATIONS TO INCLUDE (1) DATA CABLE BACK TO RACK IN ROOM 111. ROUTE CABLING NEATLY IN J HOOKS ABOVE CEILING.
 - COORDINATE DEVICE AND FACEPLATE COLOR WITH ARCHITECT. FINISH VARIES FROM SPACE TO SPACE.
 - ALL 120V 15A AND 20A RECEPTACLE CIRCUITS IN KITCHEN ARE TO BE GROUND FAULT PROTECTED PER CODE.
 - REFER TO FOOD SERVICE PLANS AND SCHEDULES FOR ADDITIONAL ELECTRICAL ROUGH-IN, CONNECTION INFORMATION, AND MOUNTING ELEVATIONS.
 - 120V BRANCH CIRCUITING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE. GROUND CONDUCTOR AND RACEWAY SHALL BE INCREASED AS REQUIRED.
 0-100' = #12 AWG
 101-150' = #10 AWG
 151-250' = #8 AWG

- PLAN NOTES:**
- POWER AND DATA FOR TV. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING LOCATION.
 - MOUNT RECEPTACLE AND DATA DROP WITHIN CASEWORK. COORDINATE CIRCUIT ROUTING WITH CASEWORK PROVIDER.
 - POWER CONNECTION FOR FIREPLACE. COORDINATE EXACT ROUGH-IN LOCATION AND REQUIREMENTS WITH EQUIPMENT PROVIDER.
 - POWER CONNECTION FOR ADA DOOR OPERATOR. PROVIDE ALL CABLING REQUIRED BETWEEN PUSH BUTTONS AND MOTOR OPERATOR FOR AN OPERATIONAL SYSTEM.
 - CEILING MOUNT POWER ABOVE STUDENT WORK TABLES. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - REFER TO ARCHITECTURAL HARDWARE SPECIFICATIONS FOR EXACT REQUIREMENTS FOR SECURITY. REFER TO DETAIL FOR ROUGH-IN.
 - NEMA 14-30R RECEPTACLE FOR CLOTHES DRYER. CIRCUIT WITH (3)#10, #10G, 3/4" C.
 - LOCATION OF TELECOM RACK. COORDINATE INSTALLATION WITH ELECTRICAL DISTRIBUTION SO AS TO ALLOW REQUIRED ACCESS FOR PATCH PANELS AND TELECOM EQUIPMENT.
 - CEILING MOUNT POWER AND DATA FOR PROJECTOR. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER.
 - POWER FOR PROJECTION SCREEN. CONTROL LOCATION TO BE WITH VOLUME CONTROL AT WAIT STATION. PROVIDE ALL CABLING AS REQUIRED BETWEEN CONTROLLER AND MOTOR OPERATOR.
 - COORDINATE RECEPTACLE HEIGHT WITH BOOTH SEATING. RE: ARCH ELEVATIONS FOR EXACT MOUNTING.
 - VOLUME CONTROL FOR DINING AREA SOUND SYSTEM. COORDINATE CABLING TERMINATIONS WITH OWNER PROVIDED EQUIPMENT IN ROOM 111 RACK.
 - VOLUME CONTROL FOR CHEF'S TABLE SOUND SYSTEM. COORDINATE CABLING TERMINATIONS WITH OWNER PROVIDED EQUIPMENT IN ROOM 111 RACK.
 - VOLUME CONTROL FOR KITCHEN TEACHING AREA SOUND SYSTEM. COORDINATE CABLING TERMINATIONS WITH OWNER PROVIDED EQUIPMENT IN ROOM 111 RACK.
 - CIRCUIT WITH (2)#8, #10G, 3/4" C.
 - CIRCUIT WITH (2)#10, #10G, 3/4" C.
 - CIRCUIT WITH (3)#10, #10G, 3/4" C.

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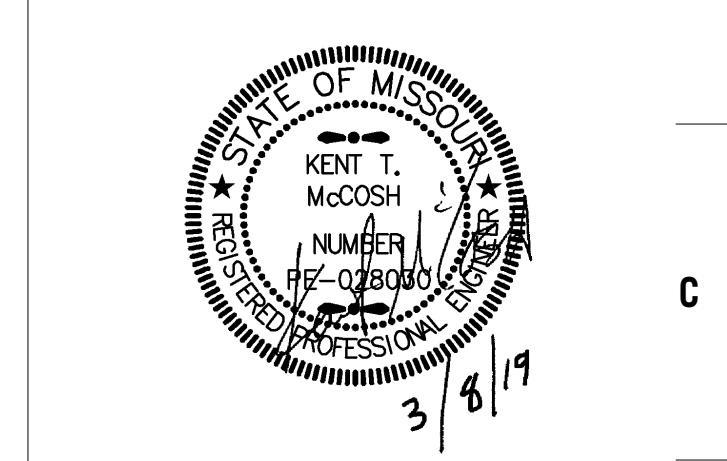
Hollis + Miller Architects
 Missouri State Certificate of Authority
 Architecture # 00000101
 Electrical # 2500011303

MEP Engineer
 Smith & Boucher Engineer
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Structures # 00001151

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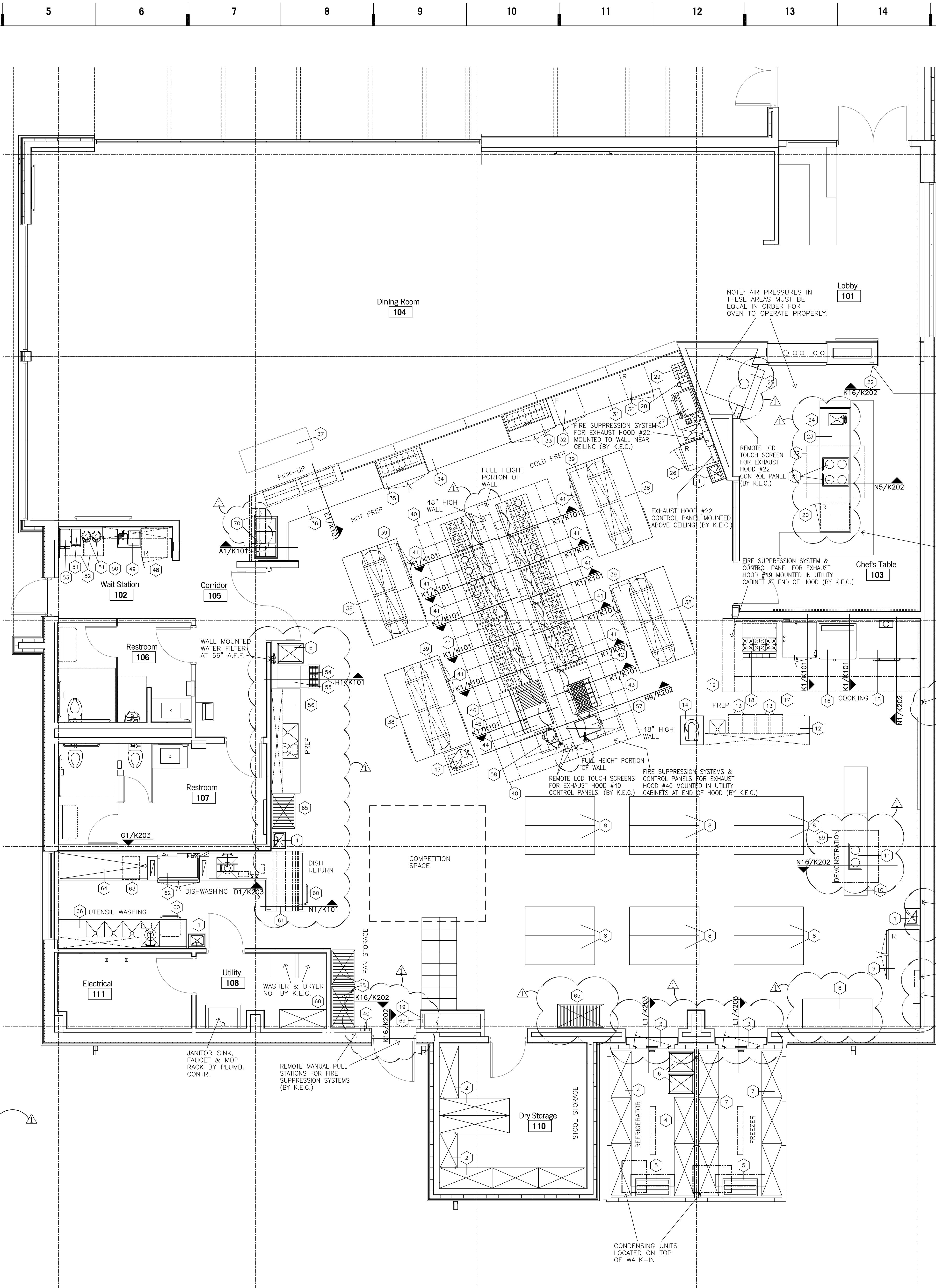
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FOOD FACILITY DESIGN CONSULTANTS
EXECUTIVE WEST OFFICE BUILDING
6700 SQUIBB ROAD, SUITE 101
MISSION, KANSAS 66202-2281
913/362-1800 FAX 913/362-2609

FOOD SERVICE PLAN

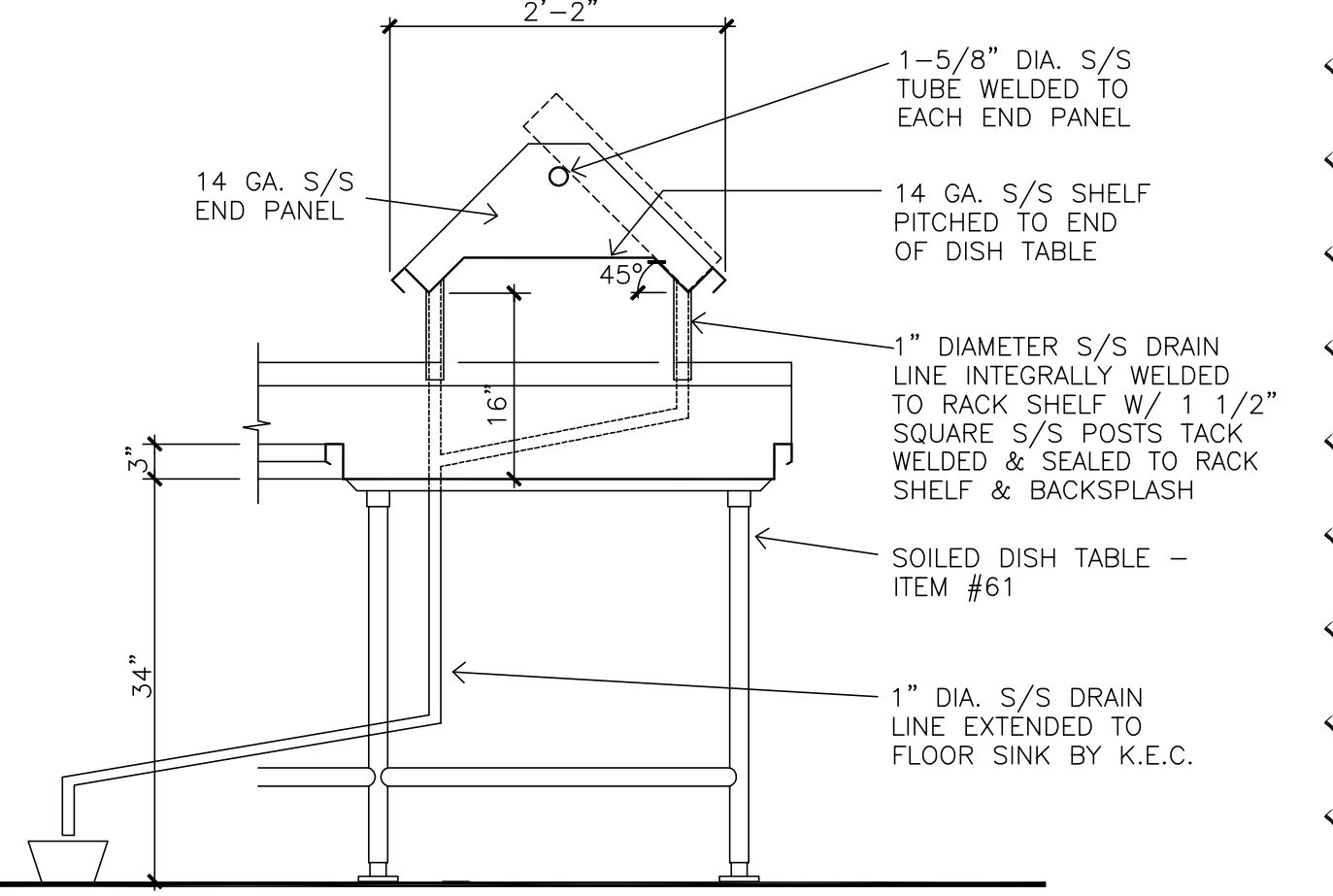
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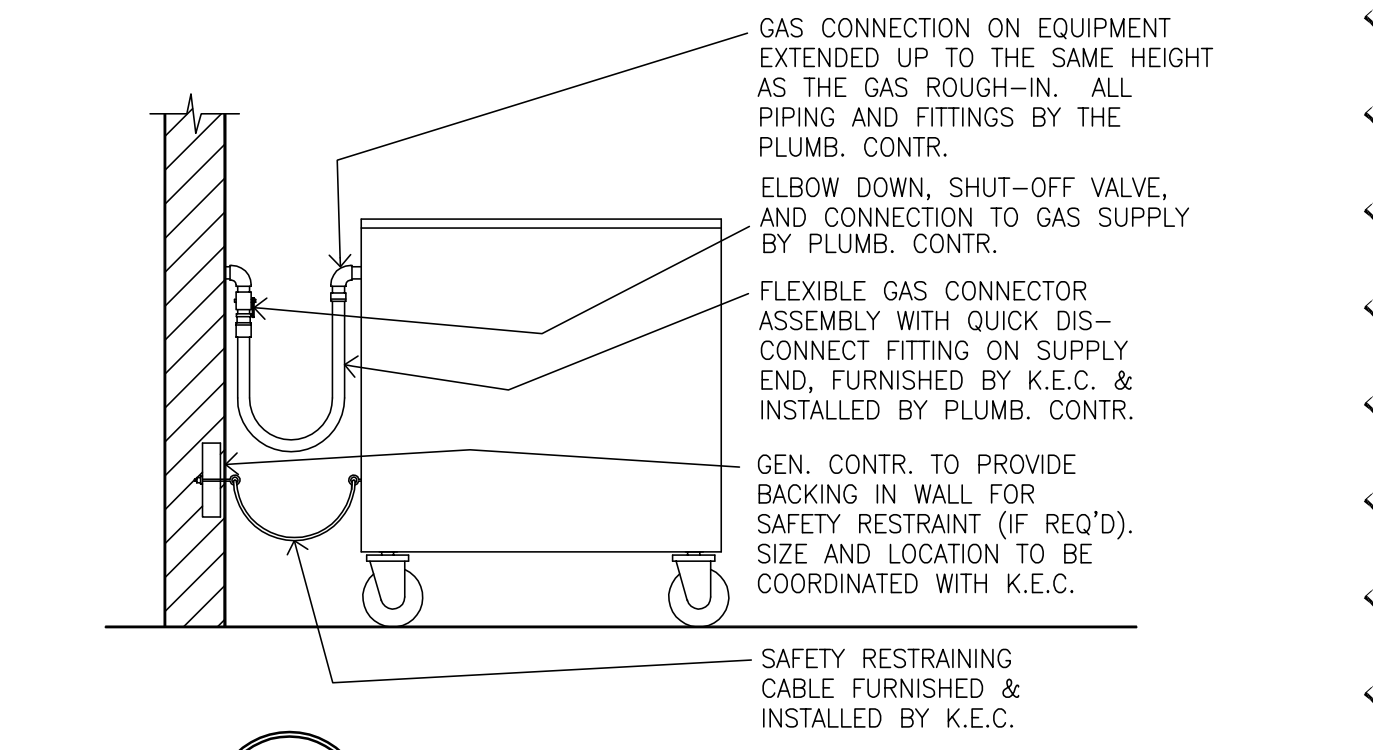
K101



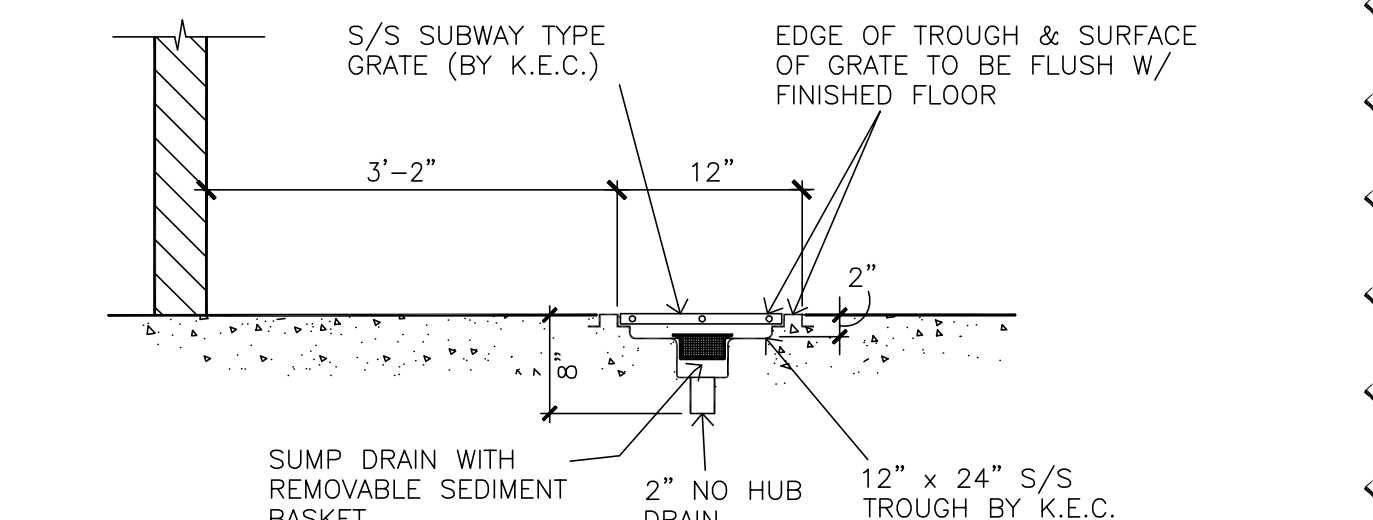
ITEM NAME	QTY.	NEW	EXISTING	BY VENDOR	MILLWORK
1 HAND SINKS	4	NEW			
2 DRY STORAGE SHELVING	1 LOT	NEW			
3 WALK-IN REFRIGERATOR/FREEZER	1	NEW			
4 REFRIGERATOR SHELVING	1 LOT	NEW			
5 DINNER RACKS	2	NEW			
6 PAN RACKS	3		EXISTING		
7 FREEZER SHELVING	1 LOT	NEW			
8 WOOD TOP TABLES	19	NEW			
9 REFRIGERATOR	1	NEW			
10 DEMONSTRATION COUNTER	1	NEW			MILLWORK
11 DROP-IN INDUCTION RANGE	1	NEW			
12 WORK TABLE	1	NEW			
13 INGREDIENT BINS	4	NEW			
14 MIXER AND STAND	1		EXISTING		
15 DECK OVEN	1	NEW			
16 CONVECTION OVEN, DOUBLE DECK	1	NEW			
17 COMBINATION OVEN	1	NEW			
18 RANGE WITH SALAMANDER	1	NEW		EXISTING	
19 EXHAUST HOOD	1	NEW			
20 UNDERCOUNTER REFRIGERATOR	1	NEW			
21 DROP-IN INDUCTION RANGES	2	NEW			
22 EXHAUST HOOD	1	NEW			
23 CHEF'S TABLE	1	NEW			
24 DROP-IN HAND SINK	1	NEW			
25 STONE HEARTH OVEN	1	NEW			
26 REFRIGERATOR	1	NEW			
27 EXPRESSO MACHINE	1	NEW			
28 COFFEE GRINDER	1	NEW			
29 SYRUP RACK	1	NEW			
30 UNDERCOUNTER REFRIGERATOR	1	NEW			
31 WORK TABLE	1	NEW			
32 UNDERCOUNTER FREEZER	1	NEW			
33 REFRIGERATED PREP TABLE	1	NEW			
34 WORK TABLE	1	NEW			
35 REFRIGERATED PREP TABLE	1	NEW			
36 CHEF'S COUNTER	1	NEW			
37 MOBILE PICK-UP/BUFFET COUNTER	1				MILLWORK
38 WORK TABLES	4	NEW			
39 UNDERCOUNTER REFRIGERATORS	4	NEW			
40 EXHAUST HOOD	1	NEW			
41 RANGES	10	NEW			
42 EQUIPMENT FILLER	1	NEW			
43 FRYERS AND FILTER	1	NEW			
44 GRIDDLE	1		EXISTING		
45 EQUIPMENT STAND	1	NEW			
46 CHAR BROILER	1		EXISTING		
47 SLICER AND STAND	1		EXISTING		
48 UNDERCOUNTER REFRIGERATOR	1	NEW			
49 ICE AND WATER STATION	1	NEW			
50 WORK COUNTER	1	NEW			
51 COFFEE BREWER & DISPENSERS	1 LOT			BY VENDOR	
52 CUP & GLASS RACK DOLLIES	2	NEW			
53 TEA BREWER	1			BY VENDOR	
54 FLOOR TROUGH	1	NEW			
55 ICE MACHINE	1		EXISTING		
56 WORK TABLE	1	NEW			
57 TILT SKILLET AND STAND	1	NEW			
58 KETTLE AND STAND	1	NEW			
59 NUMBER NOT USED					
60 TRASH BINS	2	NEW			
61 SOILED DISH TABLE	1	NEW			
62 DISHWASHER	1	NEW			
63 BOOSTER HEATER	1	NEW			
64 CLEAN DISH TABLE	1	NEW			
65 UTENSIL RACKS	4	NEW			
66 UTENSIL WASHING SINK	1	NEW			
67 NUMBER NOT USED					
68 JANITOR SHELVE UNIT	1	NEW			
69 EXHAUST HOOD	1	NEW			
68 PENDANT HEAT LAMPS	2	NEW			



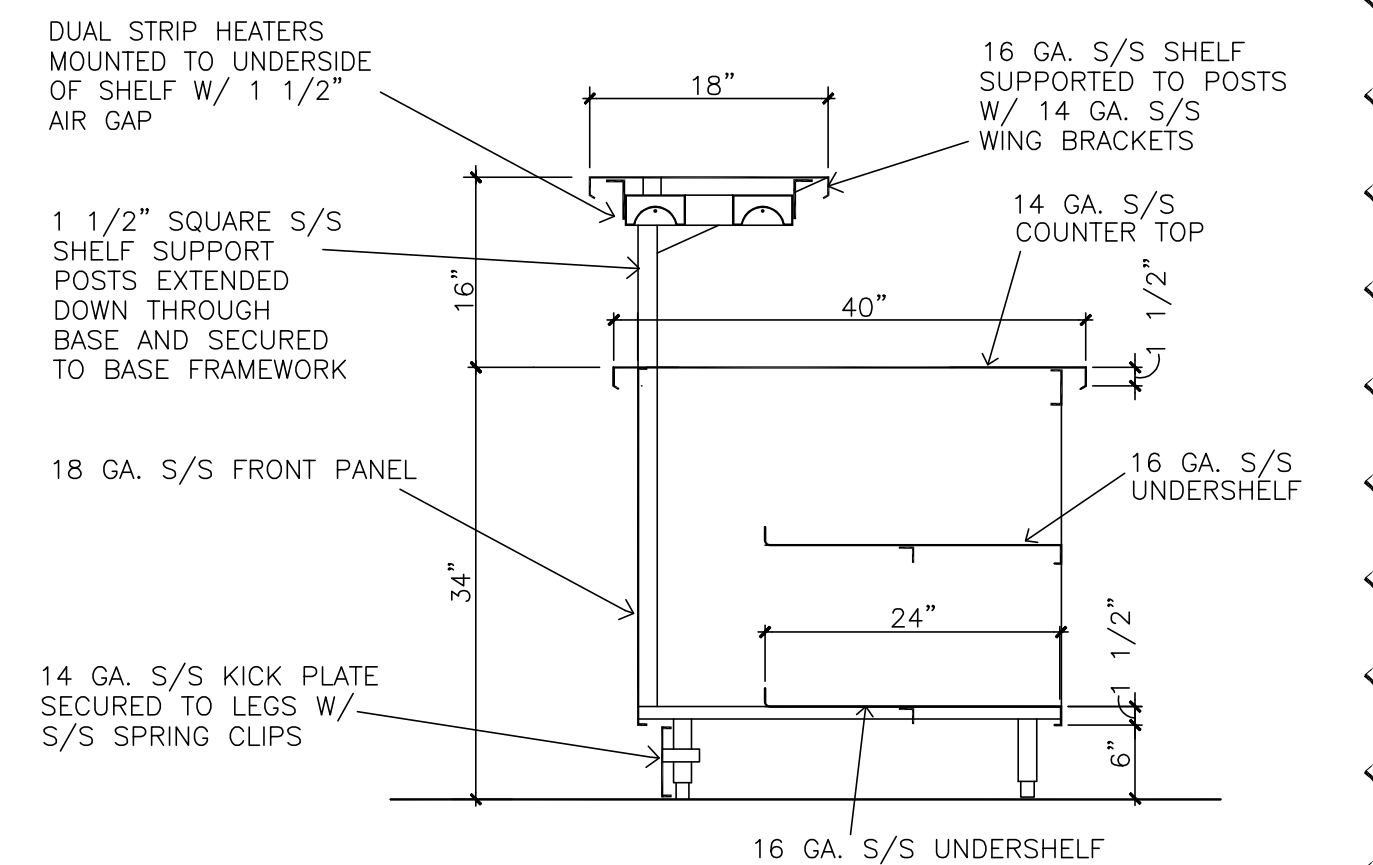
N1 DISHTABLE SECTION
SCALE: NONE



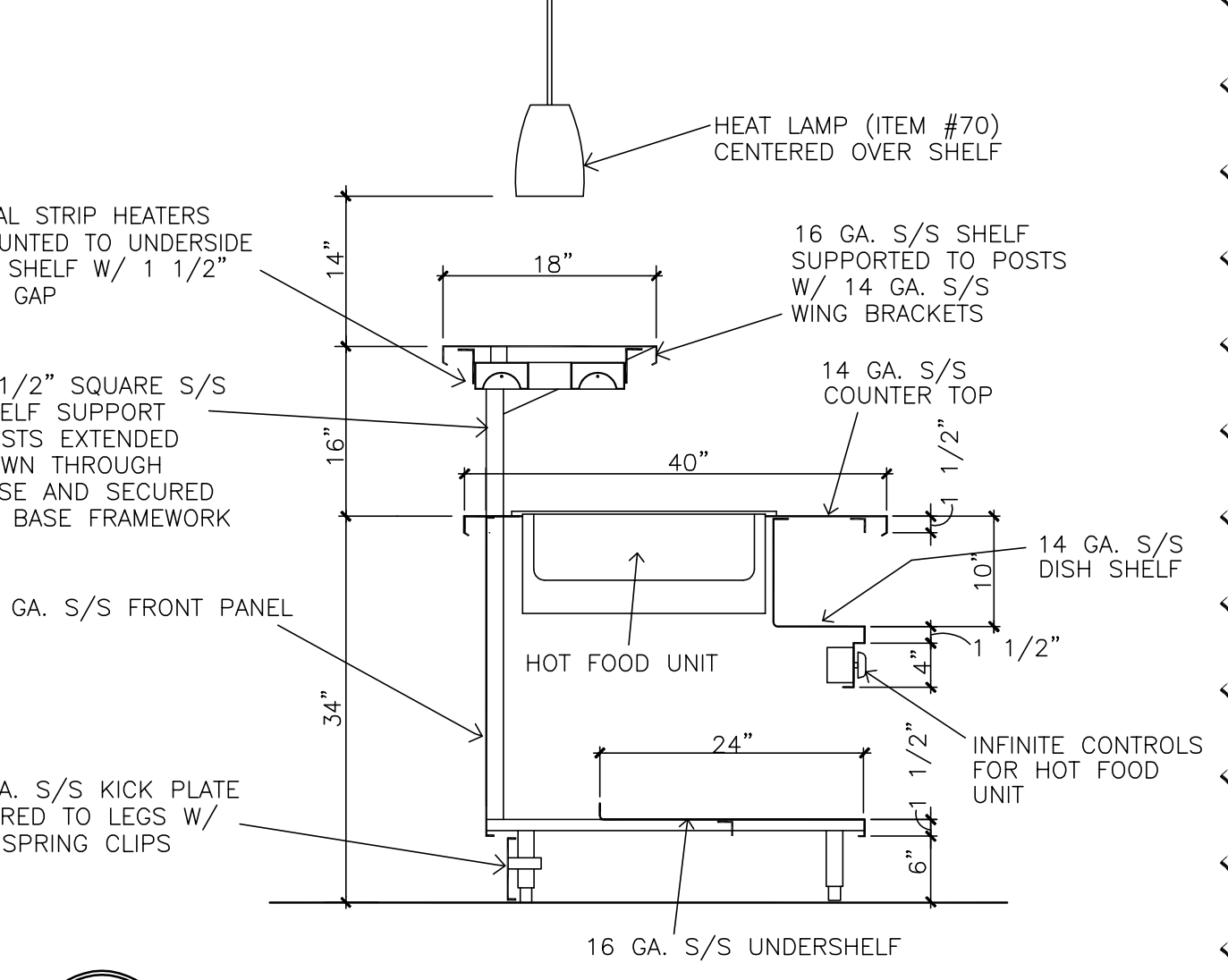
K1 GAS CONNECTOR DETAIL
SCALE: NONE



H1 DRAIN TROUGH AT ICE MACHINE
SCALE: NONE

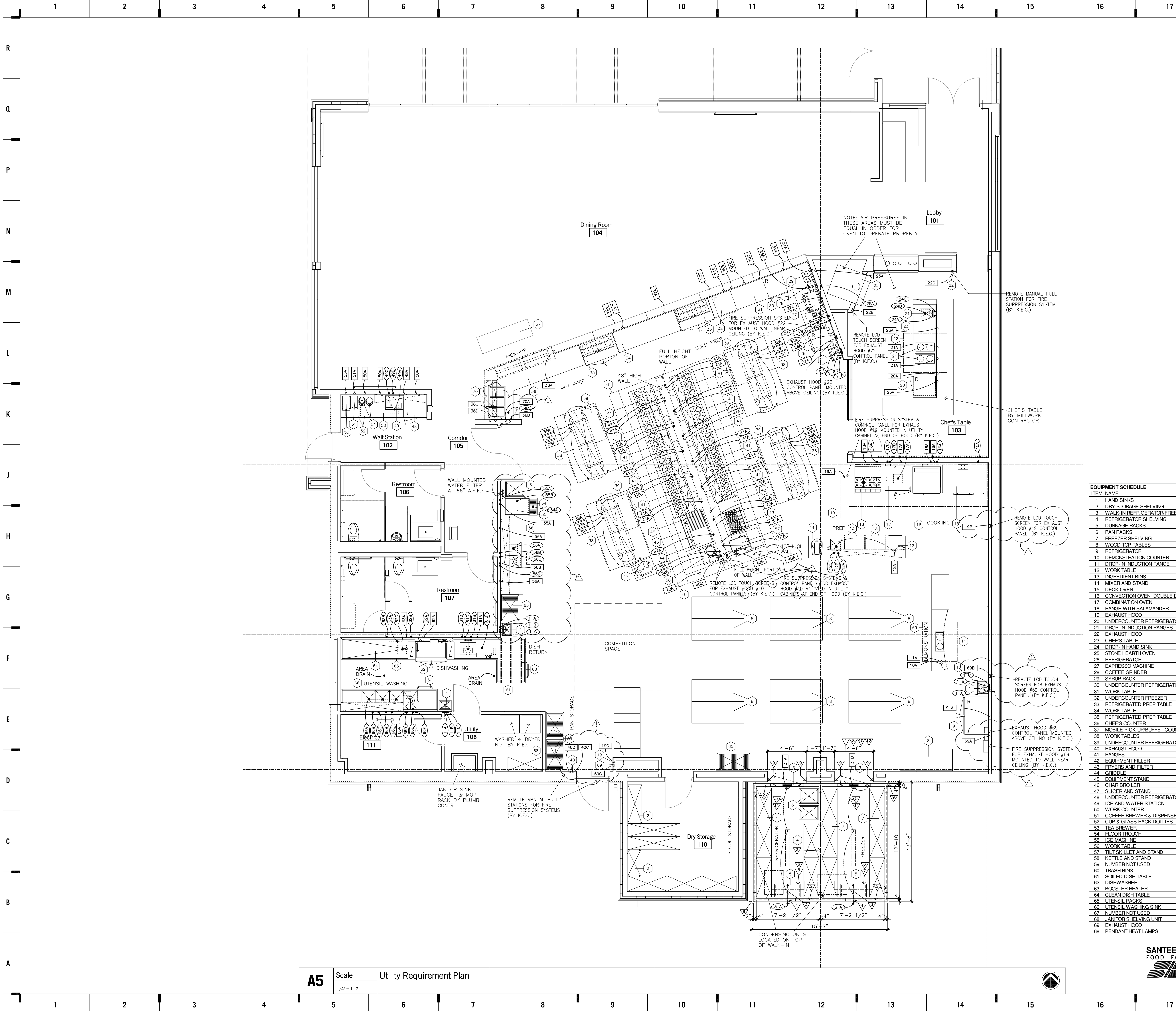


E1 CHEF'S COUNTER SECTION
SCALE: NONE



A1 CHEF'S COUNTER SECTION
SCALE: NONE

A5 Scale
1/4" = 1'-0"
Food Service Plan



ITEM	NAME	QTY.	NEW	EXISTING	BY VENDOR	MILLWORK
1	HAND SINKS	4	NEW			
2	DRY STORAGE SHELVING	1 LOT	NEW			
3	WALK-IN REFRIGERATOR/FREEZER	1	NEW			
4	REFRIGERATOR SHELVING	1 LOT	NEW			
5	DUNNAGE RACKS	2	NEW			
6	PAN RACKS	3		EXISTING		
7	FREEZER SHELVING	1 LOT	NEW			
8	WOOD TOP TABLES	13	NEW			
9	REFRIGERATOR	1	NEW			
10	DEMONSTRATION COUNTER	1	NEW			MILLWORK
11	DROP-IN INDUCTION RANGE	1	NEW			
12	WORK TABLE	1	NEW			
13	INGREDIENT BINS	4	NEW			
14	MIXER AND STAND	1		EXISTING		
15	DECK OVEN	1	NEW			
16	CONVECTION OVEN, DOUBLE DECK	1	NEW			
17	COMBINATION OVEN	1	NEW			
18	RANGE WITH SALAMANDER	1		EXISTING		
19	EXHAUST HOOD	1	NEW			
20	UNDERCOUNTER REFRIGERATOR	1	NEW			
21	DROP-IN INDUCTION RANGES	2	NEW			
22	EXHAUST HOOD	1	NEW			
23	CHEF'S TABLE	1	NEW			
24	DROP-IN HAND SINK	1	NEW			
25	STONE HEARTH OVEN	1	NEW			
26	REFRIGERATOR	1	NEW			
27	EXPRESSO MACHINE	1	NEW			
28	COFFEE GRINDER	1	NEW			
29	SYRLIP RACK	1	NEW			
30	UNDERCOUNTER REFRIGERATOR	1	NEW			
31	WORK TABLE	1	NEW			
32	UNDERCOUNTER FREEZER	1	NEW			
33	REFRIGERATED PREP TABLE	1	NEW			
34	WORK TABLE	1	NEW			
35	REFRIGERATED PREP TABLE	1	NEW			
36	CHEF'S COUNTER	1	NEW			
37	MOBILE PICK-UP/BUFFET COUNTER	1				MILLWORK
38	WORK TABLES	4	NEW			
39	UNDERCOUNTER REFRIGERATORS	4	NEW			
40	EXHAUST HOOD	1	NEW			
41	RANGES	10	NEW			
42	EQUIPMENT FILLER	1	NEW			
43	FRYERS AND FILTER	1	NEW			
44	GRIDDLE	1		EXISTING		
45	EQUIPMENT STAND	1	NEW			
46	CHAR BROILER	1		EXISTING		
47	SLICER AND STAND	1		EXISTING		
48	UNDERCOUNTER REFRIGERATOR	1	NEW			
49	ICE AND WATER STATION	1	NEW			
50	WORK COUNTER	1	NEW			
51	COFFEE BREWER & DISPENSERS	1 LOT			BY VENDOR	
52	CUP & GLASS RACK DOLLIES	2	NEW			
53	TEA BREWER	1			BY VENDOR	
54	FLOOR TROUGH	1	NEW			
55	ICE MACHINE	1		EXISTING		
56	WORK TABLE	1	NEW			
57	TILT SKILLET AND STAND	1		EXISTING		
58	KETTLE AND STAND	1		EXISTING		
59	NUMBER NOT USED					
60	TRASH BINS	2	NEW			
61	SOILED DISH TABLE	1	NEW			
62	DISHWASHER	1	NEW			
63	BOOSTER HEATER	1	NEW			
64	CLEAN DISH TABLE	1	NEW			
65	UTENSIL RACKS	4	NEW			
66	UTENSIL WASHING SINK	1	NEW			
67	NUMBER NOT USED					
68	JANITOR SHELVING UNIT	1	NEW			
69	EXHAUST HOOD	1	NEW			
68	PENDANT HEAT LAMPS	2	NEW			

A5 Scale 1/4" = 1'-0" Utility Requirement Plan

SANTE / BECKER ASSOCIATES, LLC
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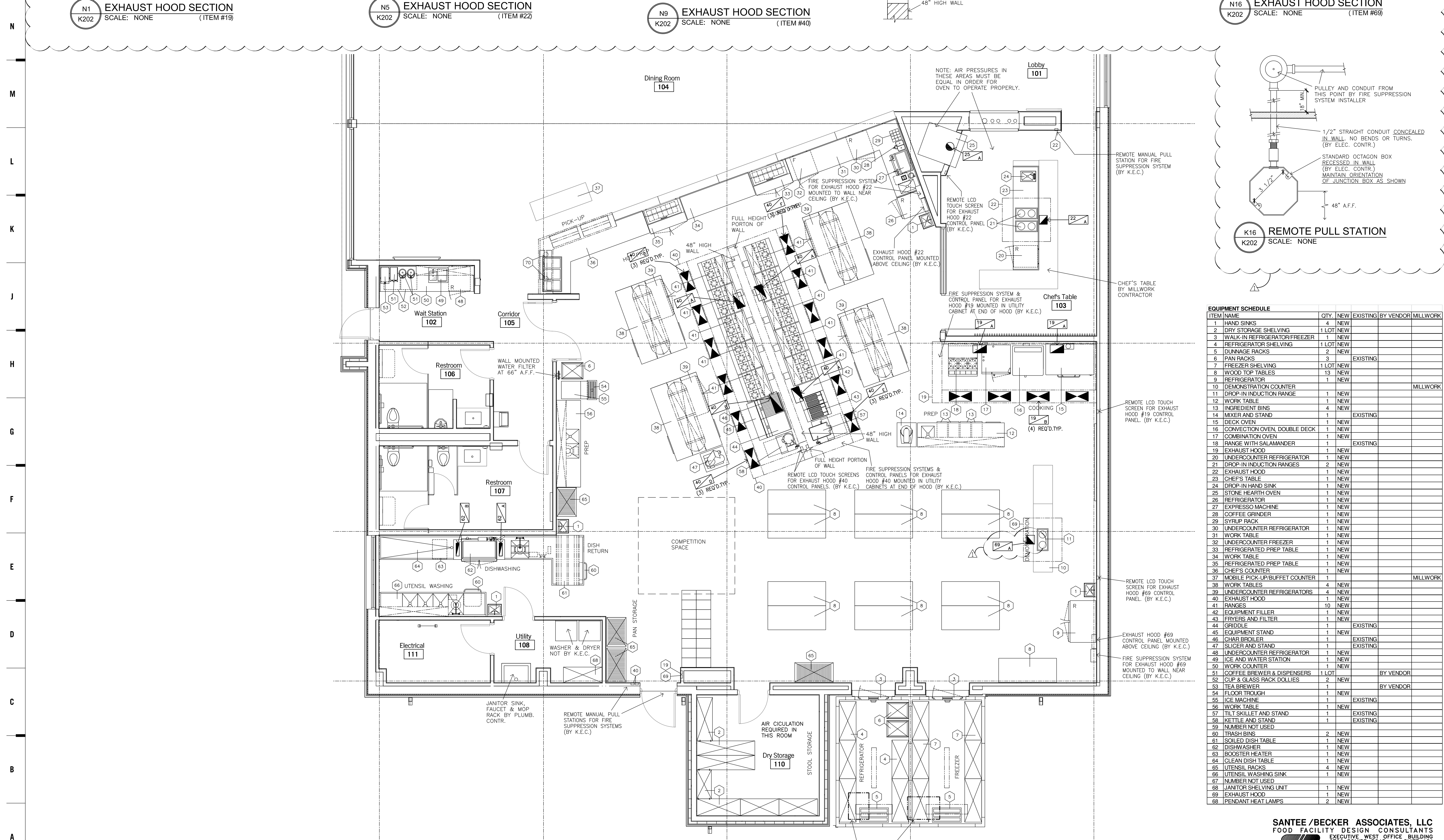
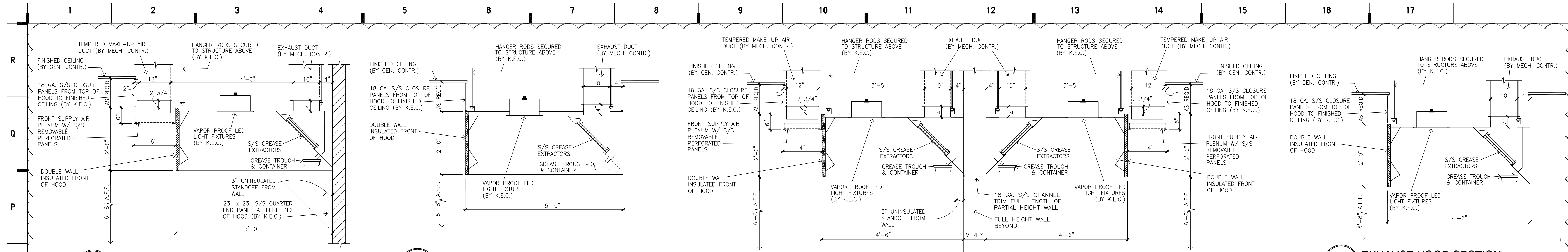
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1 HAND SINKS	2	NEW			
2 DRY STORAGE SHELVING	1	LOT NEW			
3 WALK-IN REFRIGERATOR/FREEZER	1	NEW			
4 REFRIGERATOR SHELVING	1	LOT NEW			
5 DUNNAGE RACKS	2	NEW			
6 PAN RACKS	3		EXISTING		
7 FREEZER SHELVING	1	LOT NEW			
8 WOOD TOP TABLES	13	NEW			
9 REFRIGERATOR	1	NEW			
10 DEMONSTRATION COUNTER					MILLWORK
11 DROP-IN INDUCTION RANGE	1	NEW			
12 WORK TABLE	1	NEW			
13 INGREDIENT BINS	4	NEW			
14 MIXER AND STAND	1		EXISTING		
15 DECK OVEN	1	NEW			
16 CONVECTION OVEN, DOUBLE DECK	1	NEW			
17 COMBINATION OVEN	1	NEW			
18 RANGE WITH SALAMANDER	1		EXISTING		
19 EXHAUST HOOD	1	NEW			
20 UNDERCOUNTER REFRIGERATOR	1	NEW			
21 DROP-IN INDUCTION RANGES	2	NEW			
22 EXHAUST HOOD	1	NEW			
23 CHEF'S TABLE	1	NEW			
24 DROP-IN HAND SINK	1	NEW			
25 STONE HEARTH OVEN	1	NEW			
26 REFRIGERATOR	1	NEW			
27 EXPRESSO MACHINE	1	NEW			
28 COFFEE GRINDER	1	NEW			
29 SYRUP RACK	1	NEW			
30 UNDERCOUNTER REFRIGERATOR	1	NEW			
31 WORK TABLE	1	NEW			
32 UNDERCOUNTER FREEZER	1	NEW			
33 REFRIGERATED PREP TABLE	1	NEW			
34 WORK TABLE	1	NEW			
35 REFRIGERATED PREP TABLE	1	NEW			
36 CHEF'S COUNTER	1	NEW			
37 MOBILE PICK-UP/BUFFET COUNTER	1				MILLWORK
38 WORK TABLES	4	NEW			
39 UNDERCOUNTER REFRIGERATORS	4	NEW			
40 EXHAUST HOOD	1	NEW			
41 RANGES	10	NEW			
42 EQUIPMENT FILLER	1	NEW			
43 FRYERS AND FILTER	1	NEW			
44 GRIDDLE	1		EXISTING		
45 EQUIPMENT STAND	1	NEW			
46 CHAR BROILER	1		EXISTING		
47 SLICER AND STAND	1		EXISTING		
48 UNDERCOUNTER REFRIGERATOR	1	NEW			
49 ICE AND WATER STATION	1	NEW			
50 WORK COUNTER	1	NEW			
51 COFFEE BREWER & DISPENSERS	1	LOT		BY VENDOR	
52 CUP & GLASS RACK DOLLIES	2	NEW			
53 TEA BREWER	1			BY VENDOR	
54 FLOOR TROUGH	1	NEW			
55 ICE MACHINE	1		EXISTING		
56 WORK TABLE	1	NEW			
57 TILT SKILLET AND STAND	1		EXISTING		
58 KETTLE AND STAND	1		EXISTING		
59 NUMBER NOT USED	2	NEW			
60 TRASH BINS	2	NEW			
61 SOILED DISH TABLE	1	NEW			
62 DISHWASHER	1	NEW			
63 BOOSTER HEATER	1	NEW			
64 CLEAN DISH TABLE	1	NEW			
65 UTENSIL RACKS	4	NEW			
66 UTENSIL WASHING SINK	1	NEW			
67 NUMBER NOT USED	2	NEW			
68 JANITOR SHELVING UNIT	1	NEW			
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DRAWN BY: JK
CHECKED BY: JK
DATE: 03.08.2019

SANTE / BECKER ASSOCIATES, LLC
FOOD FACILITY DESIGN CONSULTANTS
EXECUTIVE WEST OFFICE BUILDING
6700 SOUTH ROAD, SUITE 101
MISSION, KANSAS 66202-2281
913/362-1800 FAX 913/362-2609

K202

VENTILATION PLAN

1828 Walnut Street Suite 922
Kansas City, MO 64108
816.442.7700
333 Perry Street Suite 205
Castle Rock, CO 80404
713.313.9729
7701 E. Kellogg Suite 650
Wichita, KS 67207
316.665.6175
HOLLISANDMILLER.COM

Consultant # 1
Smith & Boucher Engineers
State Certificate of Authority #
25501 West Valley Parkway
Olathe, KS 66061
913.345.2127 phone
913.345.0617 fax

Consultant # 2
MPEC Engineering, Inc.
State Certificate of Authority #
11827 W. 112th St. Suite 200
Overland Park, KS 66210
913.317.9390 phone
913.317.9385 fax

CD SET

HERNDON RESTAURANT
Raytown Quality Schools
11501 E. 350 Hwy
Raytown, MO

REVISONS table with columns: #, Description, Date

LEGEND table with columns: Equipment Item, Plumbing Requirement, Electrical Requirement, Ventilation Requirement, Walk-in Note

JOB NO: 17048
DRAWN BY: JK
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K203
SANTEE/BECKER ASSOCIATES, LLC
FOOD FACILITY DESIGN CONSULTANTS
EXECUTIVE WEST OFFICE BUILDING
6700 SOUBER ROAD, SUITE 101
MISSION, KS 66205
913/362-1800 FAX 913/362-2609

WALK-IN NOTES

- SEE DETAIL #11/K203 FOR SECTION THROUGH INSULATED FLOOR AND BREAKER STRIPS.
- CENTER LINE OF BREAKER STRIP IN FLOOR.
- RUN DRAIN LINES EXPOSED IN REFRIGERATOR AND FREEZER AND EXPOSED OUTSIDE WALK-IN. (BY K.E.C.)
- PROVIDE SLEEVES FOR DRAIN LINE IN WALLS OF WALK-IN AT CORRECT HEIGHT FOR PROPER DRAINAGE. CAULK ALL SLEEVES. (BY K.E.C.)
- ALL ELECTRICAL CONNECTIONS FOR WALK-INS INCLUDING WIRING TO ALL EVAPORATORS, VAPOR-PROOF LIGHTS, DOOR HEATERS, THRESHOLD CONTACT TIES, TIME CLOCKS, HEATED PRESSURE RELIEF PORT, WIRING FROM EVAPORATORS TO ROOM THERMOSTATS, AND ALL CONTROLS TO BE BY ELECT. CONTR.
- EACH EVAPORATOR SHALL BE ELECTRICALLY CONNECTED TO ITS RESPECTIVE CONDENSING UNIT AS REQUIRED. THE WIRING SHALL BE BY THE ELECT. CONTR.
- REMOTE AIR COOLED REFRIGERATOR AND FREEZER CONDENSING UNITS (ITEM #5) SHALL BE MOUNTED ON TOP OF WALK-IN BY K.E.C.
- REFRIGERATOR CONDENSING UNIT SHALL BE A KOLPAK #P93820P-3E - AN26-094-10C-PR-8, WIRED 208/208-60-3 WITH AN APPROX. TOTAL LOAD OF 11.0 AMPS, INCLUDING EVAPORATOR SLEEVES APPROX. 33" X 26" X 20" HIGH AND WEIGHS APPROX. 170 LBS.
- FREEZER CONDENSING UNIT SHALL BE A KOLPAK #PC3481ZOP-3E - EL26-105-2EC-PR-8, WIRED 208-60-3 WITH AN APPROX. TOTAL LOAD OF 13.9 AMPS, INCLUDING EVAPORATOR. A SEPARATE 208-60-111 PLUMB. CONTR. SHALL BE BY ELECT. CONTR. FROM THE CONTROL PANEL ON THE CONDENSING UNIT TO THE EVAPORATOR IN THE WALK-IN TO HANDLE A 9.8 AMP. LOAD FOR THE ELECTRIC DEFROST HEATERS. CONDENSING UNIT MEASURES APPROX. 40" X 28" X 21" HIGH AND WEIGHS APPROX. 260 LBS.
- OVERALL HEIGHT OF WALK-IN SHALL BE APPROX. 8'-7" A.F.F.
- K.E.C. SHALL PROVIDE METAL TRIM STRIPS TO MATCH WALK-IN FACING WHERE WALK-IN BUILT BETWEEN WALLS.
- FINISHED FLOOR TO BE LEVEL PLUS OR MINUS 1/8".
- ALL ELECTRIC CONDUIT SHALL BE RUN ON INTERIOR OF WALK-IN AND SHALL HAVE VAPOR SEALS ON INTERIOR AND EXTERIOR OF CONDUIT. ELECTRIC CONDUIT AND VAPOR SEALS FURNISHED AND INSTALLED BY ELECT. CONTR.
- ALL OPENINGS AND/OR SLEEVES IN WALLS OR ROOF OF WALK-IN FOR THE EXTENSION OF REFRIGERATION LINES SHALL BE PROVIDED BY THE K.E.C. AND COMPLETELY SEALED.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES.
- ALL DIMENSIONS ARE FROM THE FINISHED SURFACE OF WALLS, FLOORS OR CEILINGS.
- ALL DIMENSIONS INDICATED FOR ROUGH-INS SHALL BE TO THE CENTER OF THE ROUGH-IN.
- UTILITY REQUIREMENTS SHOWN ON DRAWINGS ARE FOR THE FOOD SERVICE EQUIPMENT ONLY.
- GENERAL CONTRACTOR SHALL PROVIDE IN-WALL BACKING FOR ALL WATER MOUNTED FOOD SERVICE EQUIPMENT AS REQUIRED. COORDINATE WITH K.E.C. FOR TYPES, SIZES AND LOCATIONS OF BACKING.

ELECTRICAL NOTES

- ELECTRICAL ROUGH-INS AND FINAL CONNECTIONS TO EQUIPMENT SHALL BE BY ELECT. CONTR. MATERIALS FOR EQUIPMENT CONNECTIONS SHALL BE FURNISHED AND INSTALLED BY ELECT. CONTR. EXCEPT AS NOTED ON DRAWINGS.
- ELECTRICAL DISCONNECTS ARE NOT FURNISHED WITH EQUIPMENT. THEY SHALL BE FURNISHED AND INSTALLED WHERE PROVIDED BY THE ELECT. CONTR. COORDINATE WITH K.E.C. ON PROPER LOCATIONS.
- ALL CONDUIT SHALL BE CONCEALED IN WALLS, FLOOR OR CEILING EXCEPT ONLY WHERE ABSOLUTELY NECESSARY.
- ALL CONDUIT AND ELECTRICAL CORDS SHALL BE LOCATED UP OFF THE FLOOR TO FACILITATE FLOOR CLEANING AND SHALL BE SUPPORTED FROM ABOVE. FLOOR MOUNTED SUPPORTS SHALL NOT BE USED.
- ELECT. CONTR. SHALL FURNISH AND INSTALL RECEPTACLES OF THE PROPER CONFIGURATION TO ACCOMMODATE THE PLUGS FURNISHED ON THE EQUIPMENT. COORDINATE WITH K.E.C.

PLUMBING NOTES

- PLUMBING ROUGH-INS BY PLUMB. CONTR., INCLUDING FLOOR DRAINS, FLOOR SINKS, AND GREASE INTERCEPTORS.
- FINAL CONNECTIONS TO EQUIPMENT BY PLUMB. CONTR. PLUMB. CONTR. SHALL COORDINATE WITH THE K.E.C. ON CONNECTIONS TO EQUIPMENT.
- MATERIALS FOR EQUIPMENT CONNECTIONS INCLUDING PIPING, FITTINGS, STOPS, BACKFLOW PREVENTION DEVICES AND PRESSURE REGULATORS FURNISHED AND INSTALLED BY PLUMB. CONTR. EXCEPT AS NOTED ON DRAWINGS.
- ALL PIPING SHALL BE CONCEALED IN WALLS, FLOOR OR CEILING EXCEPT ONLY WHERE ABSOLUTELY NECESSARY.
- ALL PIPING SHALL BE LOCATED UP OFF THE FLOOR TO FACILITATE FLOOR CLEANING AND SHALL BE SUPPORTED FROM ABOVE. FLOOR MOUNTED SUPPORTS SHALL NOT BE USED.
- WATER FILTERS OR SOFTENERS NOT FURNISHED WITH EQUIPMENT EXCEPT AS NOTED ON DRAWINGS.
- GAS PRESSURE REGULATORS SHALL BE FURNISHED WITH THE EQUIPMENT (BY K.E.C.) AND INSTALLED BY PLUMB. CONTR.
- SINKS, FAUCETS AND DRAIN FITTINGS FURNISHED BY K.E.C. AND INSTALLED BY PLUMB. CONTR.
- DISPOSERS: SOLENOID VALVE, ATMOSPHERIC VACUUM BREAKER, AND WATER INLET FURNISHED BY K.E.C. AND INSTALLED BY PLUMB. CONTR.
- BOOSTER HEATERS: PRESSURE REDUCING VALVE, TEMPERATURE/PRESSURE RELIEF VALVE, TWO TEMPERATURE/PRESSURE GAUGES AND SHOCK ABSORBER FURNISHED BY K.E.C. AND INSTALLED BY PLUMB. CONTR.
- PLUMB. CONTR. SHALL INSULATE 180 DEGREE WATER LINE FROM BOOSTER HEATER TO DISH WASHER.

VENTILATION NOTES

- EXHAUST HOOD FURNISHED AND INSTALLED BY K.E.C. DUCTWORK AND ROOF TOP EQUIPMENT FURNISHED AND INSTALLED BY MECH. CONTR.
- CONTROL PANEL FOR EXHAUST FANS AND/OR MAKE-UP AIR UNITS SHALL BE FURNISHED WITH THE EXHAUST HOOD.
- FIRE SUPPRESSION SYSTEM FURNISHED AND INSTALLED BY K.E.C. CONNECTIONS TO FIRE SUPPRESSION SYSTEM FURNISHED AND INSTALLED BY ELECT. CONTR.

ELECTRICAL SCHEDULE table with columns: Item, Description

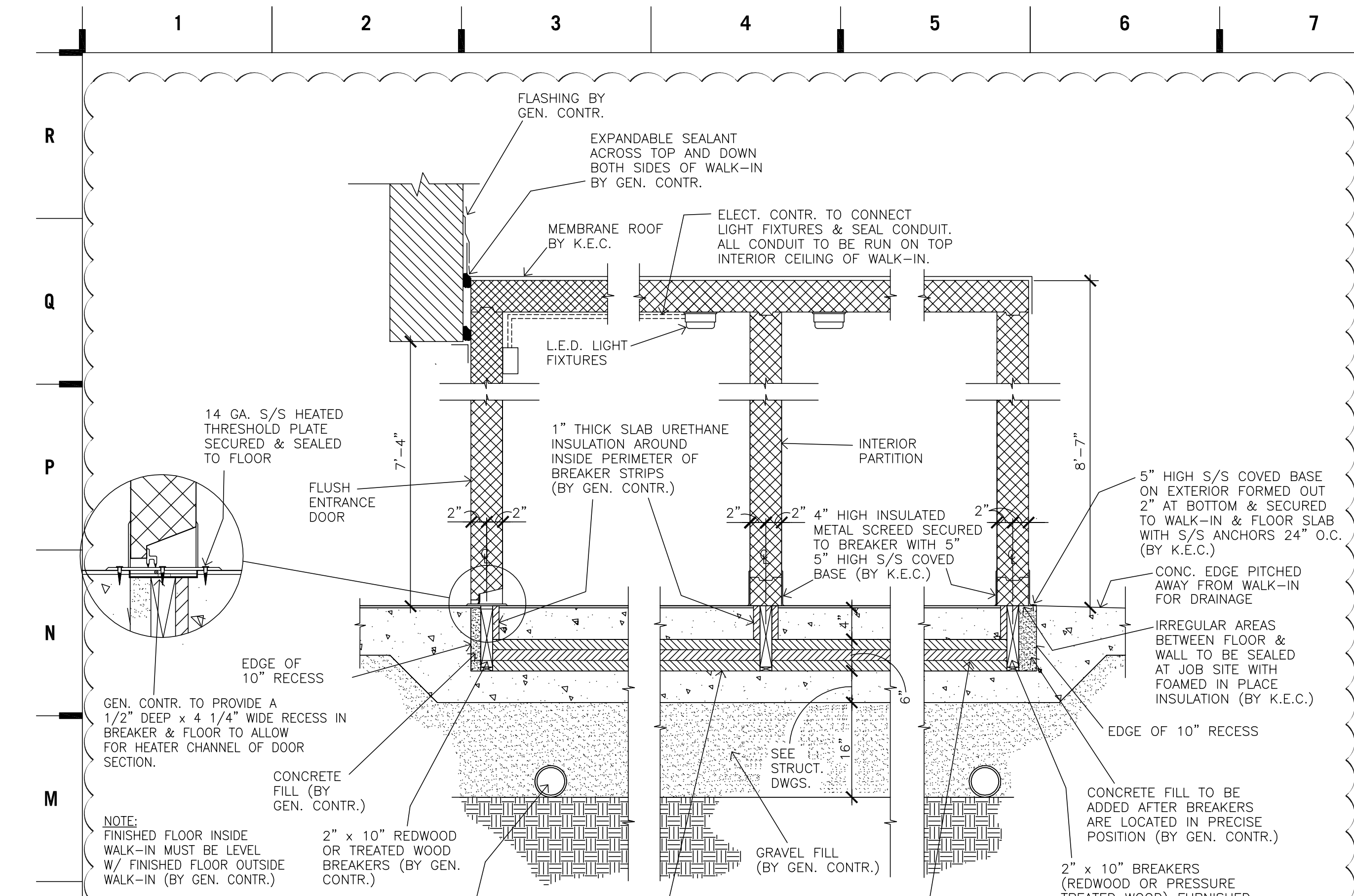
PLUMBING SCHEDULE table with columns: Item, Description

VENTILATION SCHEDULE

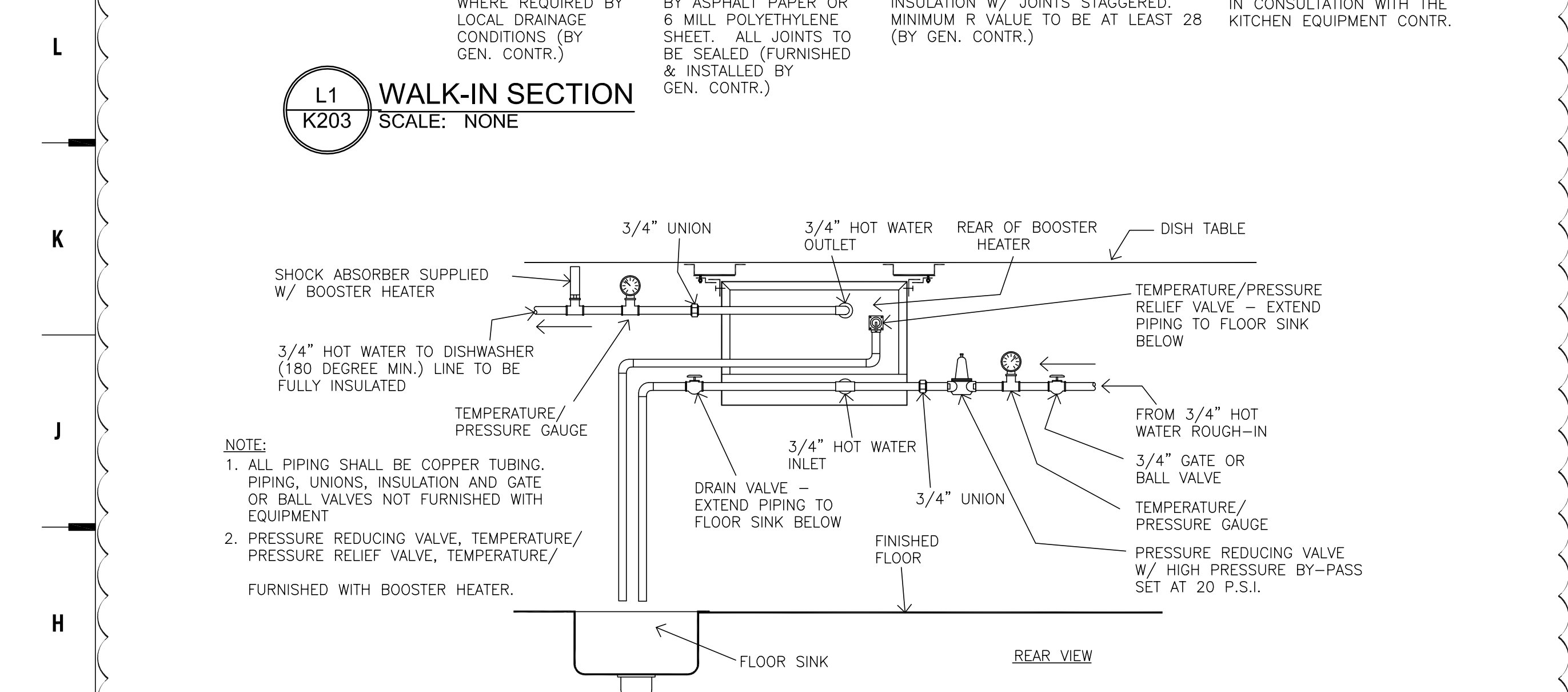
VENTILATION SCHEDULE table with columns: Item, Description

ELECTRICAL SCHEDULE

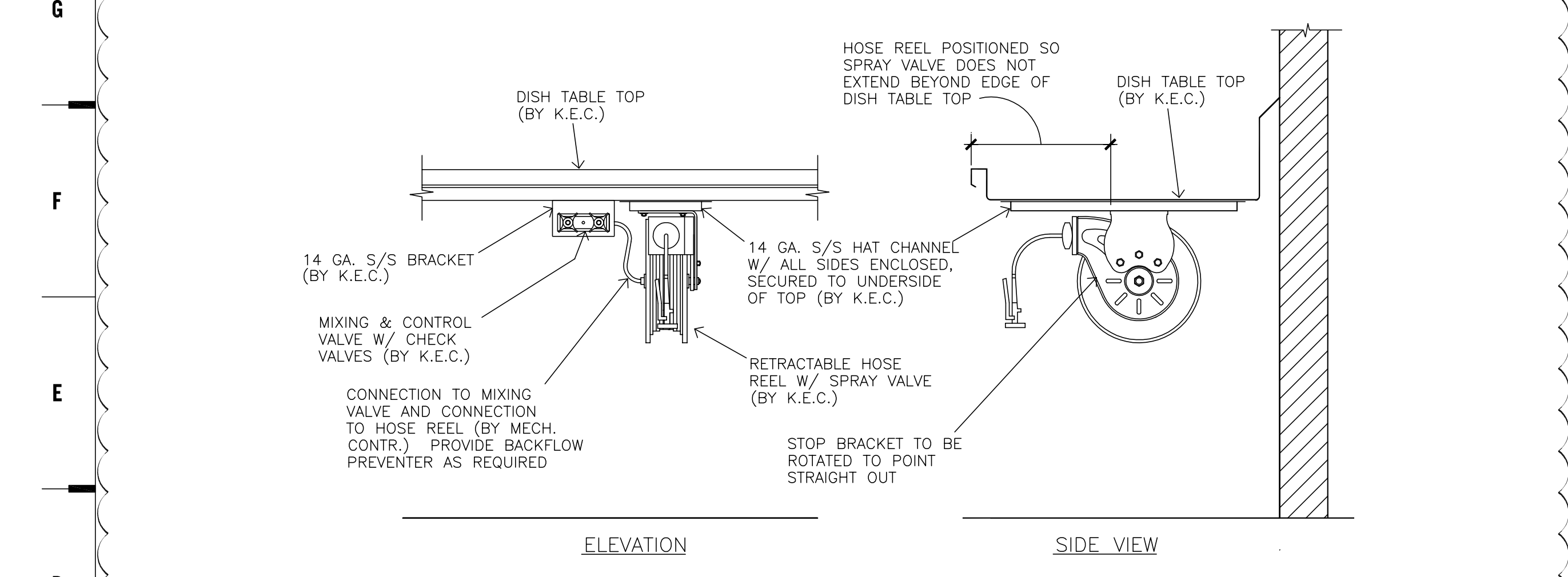
ELECTRICAL SCHEDULE table with columns: Item, Description



WALK-IN SECTION
SCALE: NONE



BOOSTER HEATER DETAIL
SCALE: NONE



UNDERCOUNTER HOSE REEL
SCALE: NONE