

18025 COUNTY ROAD 41  
ADDISON, AL 35540

ALT	ALTERNATE	MFL	METAL
ALL	ALUMINUM	MFR	MANUFACTURING
ARCH	ARCHITECTURAL	MN	MINIMUM
AS	ASBESTOS	MISC	MISCELLANEOUS
ASPH	ASPHALT	NCS	NOT IN CONTRACT
B	BOTTOM FACE	NC	NOT TO SCALE
BSMT	BASEMENT	NO	NUMBER
BM	BANK MARK	ON	ON CENTER
BK	BLOCK	OUTSIDE	OUTSIDE
BLK	BLOCK	P	PLATE
BNG	BENDING	PL	PLASTIC
CB	CABLE BASIN	PLAM	PLASTIC LAMINATE
CJ	CONTROL ZONE	PLYWD	PLYWOOD
CL	CLASH BOARD	PAINT	PAINTED
CLB	CEILING	R	RADIUS
CLD	CLASH	RND	ROUNDED
CLD, CL	CLASH	REIN	REINFORCING
CL	CLEAR	REIN	REQUIRED
COL	COLUMN	RIB	RIBS
COMP	COMPOSITION	RM	ROOM
CONC	CONCRETE	RO	ROUND OPENING
CONC	CONSTRUCTION	S	SCHEDULE
CMU	CONCRETE MASONRY UNIT	SCHED	SCHEDULE
CE	CEMENTIC TILE	SC	SEE CORNER WORK
DTL	DETAIL	SECT	SECTION
D, DIA	DIAMETER	SHT	SHEET
DN	DOWN	SMILAR	SIMILAR
DWG	DRAWING	SPTS	SPECIFICATIONS
DWG	DRAIN FOUNTAIN	SQ	SQUARE FEET / SF
DWS	DOWNSPOUT	STD	STANDARD
EA	EACH	STL	STEEL
EAF	EACH FACE	STOR	STORAGE
ELEC	ELECTRIC	ST	STORM DRAIN
ELEC	ELECTRIC	STDRN	STORM DRAIN
ELEC	ELECTRIC WATER COOLER	STR	STRUT
ELEV	ELEVATION	SQ	SQUARE
EXT	EXTERIOR	TACK BOARD	TACK BOARD
EX	EXTERIOR	THOLD	THRESHOLD
EJ	EXPANSION JOINT	TLT	TOILET
EXT	EXTINGUISHER	TD	TDS
FD	FLUE DRAIN	TOP	TOP FACE
FD	FLUE DRAIN	TH	THICKNESS
FT	FOOT	U	URNAL
FTNG	FOOTING	VF	VERIFY IN FIELD
GAU	GALVANIZED IRON	VENT	VENT STACK
GA	GAUGE	VOL	VOLUME
GYP	GYP	VWV	VWV
HB	HOB BOMB	VERT	VERTICAL
HND	HAND	WANDST	WANDST
HWD	HARDWOOD FLOOR WOOD	WC	WATER CLOSET
HGT	HIGHT	WH	WATER HEATER
HM	HARDWARE METAL	WTR	WATERPROOFING
H	HORIZONTAL	WF	WIDE FLANGE
H	H	WIND	WINDOW
INV	INVERT	WD	WOOD
JAN	JANITOR	W	WITH
JST	JOIST	W/	W/
LAV	LAVATORY	WMM	WELED WIRE MESH
L	LEVEL	W	W
MH	MANHOLE	@	@
M	MASONRY	@	@
MECH	MECHANICAL	@	@

	CONCRETE BLOCK		CONCRETE IN SECTION		RIGID INSULATION, EIF AS NOTED
	BRICK		SOIL IN SECTION		PLYWOOD
	METAL IN SECTION		CRUSHED STONE		FINISH WOOD
	GYP. BOARD, PLASTER, OR CONCRETE IN PLAN AS NOTED		BATT INSULATION		WOOD FRAMING

PROJECT DESCRIPTION  
RENOVATIONS AND ADDITIONS TO THE CLAYTON ADDISON MANUFACTURING FACILITY (943)

JURISDICTION  
STATE FIRE MARSHAL'S OFFICE  
201 MONROE ST. SUITE 1700  
MONTGOMERY, AL 36103-3352  
SCOTT PILGRSEN  
PHONE NUMBER: (334) 241-4166

DESIGN CODES  
2015 INTERNATIONAL BUILDING CODE  
2015 NATIONAL ELECTRICAL CODE  
2015 INTERNATIONAL FIRE CODE  
2015 INTERNATIONAL MECHANICAL CODE  
2015 INTERNATIONAL FUEL CODE  
2015 INTERNATIONAL PLUMBING CODE  
2015 INTERNATIONAL ENERGY CONSERVATION CODE  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

TYPE OF CONSTRUCTION: TYPE III, SPRINKLERED  
OCCUPANCY: F-1, MANUFACTURING  
NUMBER OF STORIES: 1 STORY  
BUILDING AREA ALLOWABLE: UNLIMITED S.F. ACTUAL: S.F. NEW, S.F. TOTAL

OCCUPANT LOAD / FLOOR: 737.00  
REQUIRED EXIT WIDTH / FLOOR: 737.00, "2 = 147'4"

<b>OWNER:</b>	<b>MECHANICAL ENGINEER:</b>
CLAYTON HOMES	MICHAEL BRADY INC.
BRAD JARRETT	JOHN BUCHANAN
3916 FOUNTAIN VALLEY ROAD	299 N. WEISGARBER RD
KNOXVILLE, TN 37916	KNOXVILLE, TN 37919
865-922-9075	865-584-0999
BRAD.JARRETT@CLAYTONHOMES.COM	JOHN8@MBCOMPANIES.COM

MICHAEL BRADY INC.  
JOHN BUCHANAN  
299 N. WEISGARBER RD  
KNOXVILLE, TN 37919  
865-584-0999  
JOHNB@MBICOMPANIES.COM

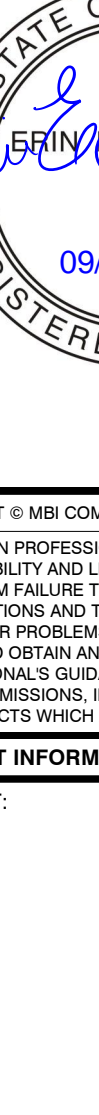
MICHAEL BRADY INC.  
DAVID MATLOCK  
299 N. WEISGARBER RD.  
KNOXVILLE, TN 37919  
865-584-0999  
DAVIDM@MBICOMPANIES.COM

299 N. WEISGARBER RD  
KNOXVILLE, TN 37919

GENERAL	
G000	COVER SHEET
CIVIL AND SITE ENGINEERING	
C001	CIVIL LEGENDS & NOTES
C100	PHASE 1 EROSION PREVENTION & SEDIMENT CONTROL PLAN
C200	SITE DEMOLITION PLAN
C300	OVERALL SITE LAYOUT PLAN
C301	SITE LAYOUT PLAN
C400	SITE GRADING PLAN & DRAINAGE PLAN
C600	SITE UTILITY PLAN
C800	CIVIL DETAILS
C801	CIVIL DETAILS
L100	LANDSCAPE PLAN
ARCHITECTURAL	
A000	GENERAL NOTES AND ACCESSIBILITY DETAILS
A001	LIFE SAFETY PLAN
A002	DEMOLITION PLAN
A003	INTERIOR WALL TYPES
A101	FIRST FLOOR PLAN
A201	DOOR SCHEDULE, DOOR FRAME ELEVATIONS & DETAILS
A202	DOOR & WINDOW DETAILS
A203	WINDOW ELEVATIONS AND DETAILS
A301	ROOF PLAN AND DETAILS
A401	EXTERIOR ELEVATIONS
A402	EXTERIOR ELEVATIONS
A501	BUILDING SECTIONS
A502	WALL SECTIONS
A503	WALL SECTIONS
A601	ENLARGED PLANS AND DETAILS
A602	ENLARGED ELEVATIONS
A701	REFLECTED CEILING PLAN AND DETAILS
A801	MISC. DETAILS AND NOTES
INTERIOR DESIGN	
F101	FINISH FLOOR PLAN
F201	INTERIOR ELEVATIONS
F302	INTERIOR ELEVATIONS
F303	INTERIOR ELEVATIONS & MILLWORK DETAILS
MECHANICAL ENGINEERING	
FP001	FIRE PROTECTION LEGENDS, SPECIFICATIONS, AND NOTES
FP101	FLOOR PLAN - FIRE PROTECTION
FP201	FIRE PROTECTION DETAILS
STRUCTURAL ENGINEERING	
S001	STRUCTURAL NOTES
S002	TYPICAL FOUNDATION, SLAB ON GRADE AND CFS DETAILS
S003	TYPICAL STEEL DETAILS
S101	FOUNDATION PLAN
S101	ROOF FRAMING PLAN
S401	FRAMING ELEVATIONS
S501	STRUCTURAL DETAILS
S502	STRUCTURAL DETAILS

M101	FLOOR PLANS - HVAC
M102	ROOF PLAN - HVAC
M201	HVAC SCHEDULES
M301	HVAC DETAILS
M302	RANGE HOOD DETAILS
M303	RANGE HOOD DETAILS
P001	LEGEND, SPECIFICATIONS AND NOTES
P100	DEMOLITION FLOOR PLAN - PLUMBING
P101	FLOOR PLANS - SANITARY
P102	FLOOR PLANS - WATER
P201	PLUMBING SCHEDULES
P301	PLUMBING DETAILS

E001	ELECTRICAL LEGENDS AND NOTES
E101	ELECTRICAL FLOOR PLANS - POWER
E201	ELECTRICAL FLOOR PLANS - LIGHTING
E301	ELECTRICAL FLOOR PLANS - COMMUNICATIONS AND FIRE ALARM
E401	RISER DIAGRAM
E501	ELECTRICAL DETAILS
Grand total: 63	

<div>MBI</div>		
MBI COMPANIES INC. 290 N. WEISSGARTER ROAD KNOXVILLE, TN 37919		
PHONE:	(865) 584-0999	
FAX:	(865) 584-5213	
WEB:	mbicompanies.com	
CONSULTANT		
SEAL		
<div><div><div>STATE OF ALABAMA</div><div></div></div></div>		
COPYRIGHT © MBI COMPANIES INC. 2019		
THE DESIGN PROFESSIONAL DENIES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INADEQUACIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.		
PROJECT INFORMATION		
PROJECT:		
CLAYTON ADDISON MANUFACTURING FACILITY (943)		
PROJECT ADDRESS:		
18025 COUNTY ROAD 41 ADDISON, AL 35640		
PROJECT NO.:	180789.04	
NOTES		
ACTIVE DESIGN PHASE		
<input type="checkbox"/>	FOR REVIEW ONLY	
<input type="checkbox"/>	FOR PERMITTING ONLY	
<input type="checkbox"/>	SCHEMATIC DESIGN	
<input type="checkbox"/>	DESIGN DEVELOPMENT	
<input type="checkbox"/>	CONSTRUCTION BIDDING	
<input checked="" type="checkbox"/>	CONSTRUCTION DOCUMENTS	
<input type="checkbox"/>	AS-BUILT RECORD SET	
REVISION INFORMATION		
NO.	DATE	DESCRIPTION
KEY PLAN		
SHEET INFORMATION		
SHEET ISSUED:	08/16/19	
DESIGNED BY:	MES	
DRAWN BY:	ARV	
REVIEWED BY:	EEH	
SHEET TITLE:		
COVER SHEET		
SHEET NO.:	G000	



## DEMOLITION NOTES

1. DO ALL DEMOLITION WORK REQUIRED TO REMOVE EXISTING MASONRY WALLS, PAYING, FOUNDATIONS, CONCRETE SLABS, EXISTING UNDERGROUND PIPING, CONDUIT, BUILDING FINISHES: DOORS, WINDOWS AS SHOWN ON THE EXISTING AND PROPOSED PLANS. CONTRACTOR TO INSTALL THE PROPOSED WELLS AND PIPES.
2. CONTRACTORS SUBMITTING PROPOSALS SHALL DETERMINE THE QUANTITIES OF DEMOLITION WORK REQUIRED BY FIELD INVESTIGATION OF THE BUILDING AND SITE.
3. CONTRACTORS SHALL NOTIFY THE PROJECT MANAGER PRIOR TO DEMOLITION OF THE WORK, INDICATE PROPOSED METHODS AND SCHEDULING OF ACTIVITIES, INCLUDE PROVISIONS FOR CONTROL OF DUST AND NOISE, AND COORDINATION FOR SHUT-OFF, CARPING, AND CONTINUATION OF UTILITY SERVICES.
4. CONTRACTORS SHALL PROVIDE BARRICADES FOR PROTECTION OF JOBS PERSONNEL AND THE PUBLIC, REMOVE BARRICADES WHEN NO LONGER REQUIRED.
5. CONDUCT OPERATIONS IN SUCH A MANNER AS TO MINIMIZE INTERFERENCE WITH USE OF PUBLIC WAYS AND ADJACENT PROPERTIES. CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT WAYS OR FACILITIES WITHOUT WRITTEN CONSENT OF AUTHORITIES HAVING JURISDICTION, PROVIDE ALTERNATIVE ROUTES TO CLOSED OR OBSTRUCTED FACILITIES AS REQUIRED BY LOCAL REGULATIONS.
6. ALL DEMOLITION ACTIVITIES REQUIRED TO REMAIN SHALL BE KEPT IN SERVICE AND PROTECTED FROM DAMAGE DURING DEMOLITION OPERATIONS.
7. DO NOT INTERRUPT EXISTING UTILITIES USED OR OCCUPIED FACILITIES UNLESS AUTHORIZED IN WRITING BY THE CITY OF LOS ANGELES. IF AN INTERRUPTION IS ALLOWED, PROVIDE ALTERNATIVE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES.
8. LOCATE, IDENTIFY, SHUT OFF, CAP AND DISCONNECT UTILITIES AT PROPERTY LINE OR VALVE AS REQUIRED, PROVIDE A MINIMUM OF 72 HOURS ADVANCE NOTICE TO PROPERTY OWNERS IF SHUT-DOWN OF SERVICES IS REQUIRED DURING THE CHANGE-OVER.
9. COORDINATE WITH ALL UTILITY COMPANIES 48 HOURS PRIOR TO ANY DEMOLITION WORK.
10. REMOVE DEBRIS, RUBBISH, AND OTHER SUBSTANCES FROM SITE. LEGALLY TRANSPORT AND DISPOSE OF SUCH MATERIALS OFF-SITE.
11. BURNING OR BURNING OF MATERIALS ON THE PROJECT SITE IS FORBIDDEN.
12. AVAILABILITY FOR DEMOLITION MUST BE CONFIRMED BY OWNER JUST PRIOR TO DEMOLITION.
13. THE USE OF EXPLOSIVES IS STRICTLY PROHIBITED.
14. CONTRACTORS SHALL MAINTAIN RECORDS OF ALL DEMOLITION ACTIVITIES, THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, ANTIQUES, AND OTHER ITEMS OF SIGNIFICANCE SHALL REMAIN THE PROPERTY OF THE OWNER, NOTIFY OWNERS REPRESENTATIVE IF SUCH ARTICLES ARE ENCOUNTERED, OBTAIN APPROVAL REGARDING METHOD OF REMOVAL.
15. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, COMPLY WITH APPLICABLE REGULATIONS IN HANDLING, REMOVING, AND PROTECTING AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.
16. IF ANY DEMOLITION OF AREAS WHERE EROSION OR A SMOOTH TO ROUGH TRANSITION BETWEEN EXISTING AND NEW GRADING, THERE SHALL NOT BE ANY POLES, PITS, OR MOUNDING OF EARTHWORK.

SURVEY NOTES	
1.	BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PREPARED BY SHW ENGINEERING GROUP, 158 BUSINESS CENTER DRIVE, BIRMINGHAM AL 35244. SURVEY PERFORMED xxxxx/2018
2.	COORDINATES ARE IN FEET AND REFERENCE TO ALABAMA STATE PLANE SYSTEM OF 1983.
3.	BEARINGS SHOWN ARE BASED ON MAGNETIC NORTH.
4.	THE VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
5.	LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE IN DEPTH AND LOCATION. REPAIR EXISTING UTILITIES DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

### DRAINAGE NOTES

1. FIELD VERIFY CRITICAL GRADES AT CONNECTION POINTS PRIOR TO CONSTRUCTION OR FABRICATION OF PRECAST STRUCTURES.
2. PROVIDE 1/2" MINIMUM SLOPE, HIDE SHALL BE HANGAR, LANE HOPE, OR SADS N2 12" DEEP 12" MINIMUM INTERIOR WALL HOPE PIPE PROVIDE #57 STONE BEDDING AND BACKFILL TO PAVEMENT SUBGRADE OR 12" ABOVE PIPE IN GRASS AREAS. ALL PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM# 2520, 2 1/2" (4" OR 5" 10" OR ASTM# 2520, 2 1/2" (4" OR 5" 10" OR 12" 16" OR 20" OR 24" OR 30" OR 36" OR 42" OR 48" OR 54" OR 60" OR 66" OR 72" OR 78" OR 84" OR 90" OR 96" OR 102" OR 108" OR 114" OR 120" OR 126" OR 132" OR 138" OR 144" OR 150" OR 156" OR 162" OR 168" OR 174" OR 180" OR 186" OR 192" OR 198" OR 204" OR 210" OR 216" OR 222" OR 228" OR 234" OR 240" OR 246" OR 252" OR 258" OR 264" OR 270" OR 276" OR 282" OR 288" OR 294" OR 300" OR 306" OR 312" OR 318" OR 324" OR 330" OR 336" OR 342" OR 348" OR 354" OR 360" OR 366" OR 372" OR 378" OR 384" OR 390" OR 396" OR 402" OR 408" OR 414" OR 420" OR 426" OR 432" OR 438" OR 444" OR 450" OR 456" OR 462" OR 468" OR 474" OR 480" OR 486" OR 492" OR 498" OR 504" OR 510" OR 516" OR 522" OR 528" OR 534" OR 540" OR 546" OR 552" OR 558" OR 564" OR 570" OR 576" OR 582" OR 588" OR 594" OR 600" OR 606" OR 612" OR 618" OR 624" OR 630" OR 636" OR 642" OR 648" OR 654" OR 660" OR 666" OR 672" OR 678" OR 684" OR 690" OR 696" OR 702" OR 708" OR 714" OR 720" OR 726" OR 732" OR 738" OR 744" OR 750" OR 756" OR 762" OR 768" OR 774" OR 780" OR 786" OR 792" OR 798" OR 804" OR 810" OR 816" OR 822" OR 828" OR 834" OR 840" OR 846" OR 852" OR 858" OR 864" OR 870" OR 876" OR 882" OR 888" OR 894" OR 900" OR 906" OR 912" OR 918" OR 924" OR 930" OR 936" OR 942" OR 948" OR 954" OR 960" OR 966" OR 972" OR 978" OR 984" OR 990" OR 996" OR 1002" OR 1008" OR 1014" OR 1020" OR 1026" OR 1032" OR 1038" OR 1044" OR 1050" OR 1056" OR 1062" OR 1068" OR 1074" OR 1080" OR 1086" OR 1092" OR 1098" OR 1104" OR 1110" OR 1116" OR 1122" OR 1128" OR 1134" OR 1140" OR 1146" OR 1152" OR 1158" OR 1164" OR 1170" OR 1176" OR 1182" OR 1188" OR 1194" OR 1200" OR 1206" OR 1212" OR 1218" OR 1224" OR 1230" OR 1236" OR 1242" OR 1248" OR 1254" OR 1260" OR 1266" OR 1272" OR 1278" OR 1284" OR 1290" OR 1296" OR 1302" OR 1308" OR 1314" OR 1320" OR 1326" OR 1332" OR 1338" OR 1344" OR 1350" OR 1356" OR 1362" OR 1368" OR 1374" OR 1380" OR 1386" OR 1392" OR 1398" OR 1404" OR 1410" OR 1416" OR 1422" OR 1428" OR 1434" OR 1440" OR 1446" OR 1452" OR 1458" OR 1464" OR 1470" OR 1476" OR 1482" OR 1488" OR 1494" OR 1500" OR 1506" OR 1512" OR 1518" OR 1524" OR 1530" OR 1536" OR 1542" OR 1548" OR 1554" OR 1560" OR 1566" OR 1572" OR 1578" OR 1584" OR 1590" OR 1596" OR 1602" OR 1608" OR 1614" OR 1620" OR 1626" OR 1632" OR 1638" OR 1644" OR 1650" OR 1656" OR 1662" OR 1668" OR 1674" OR 1680" OR 1686" OR 1692" OR 1698" OR 1704" OR 1710" OR 1716" OR 1722" OR 1728" OR 1734" OR 1740" OR 1746" OR 1752" OR 1758" OR 1764" OR 1770" OR 1776" OR 1782" OR 1788" OR 1794" OR 1800" OR 1806" OR 1812" OR 1818" OR 1824" OR 1830" OR 1836" OR 1842" OR 1848" OR 1854" OR 1860" OR 1866" OR 1872" OR 1878" OR 1884" OR 1890" OR 1896" OR 1902" OR 1908" OR 1914" OR 1920" OR 1926" OR 1932" OR 1938" OR 1944" OR 1950" OR 1956" OR 1962" OR 1968" OR 1974" OR 1980" OR 1986" OR 1992" OR 1998" OR 2004" OR 2010" OR 2016" OR 2022" OR 2028" OR 2034" OR 2040" OR 2046" OR 2052" OR 2058" OR 2064" OR 2070" OR 2076" OR 2082" OR 2088" OR 2094" OR 2100" OR 2106" OR 2112" OR 2118" OR 2124" OR 2130" OR 2136" OR 2142" OR 2148" OR 2154" OR 2160" OR 2166" OR 2172" OR 2178" OR 2184" OR 2190" OR 2196" OR 2202" OR 2208" OR 2214" OR 2220" OR 2226" OR 2232" OR 2238" OR 2244" OR 2250" OR 2256" OR 2262" OR 2268" OR 2274" OR 2280" OR 2286" OR 2292" OR 2298" OR 2304" OR 2310" OR 2316" OR 2322" OR 2328" OR 2334" OR 2340" OR 2346" OR 2352" OR 2358" OR 2364" OR 2370" OR 2376" OR 2382" OR 2388" OR 2394" OR 2400" OR 2406" OR 2412" OR 2418" OR 2424" OR 2430" OR 2436" OR 2442" OR 2448" OR 2454" OR 2460" OR 2466" OR 2472" OR 2478" OR 2484" OR 2490" OR 2496" OR 2502" OR 2508" OR 2514" OR 2520" OR 2526" OR 2532" OR 2538" OR 2544" OR 2550" OR 2556" OR 2562" OR 2568" OR 2574" OR 2580" OR 2586" OR 2592" OR 2598" OR 2604" OR 2610" OR 2616" OR 2622" OR 2628" OR 2634" OR 2640" OR 2646" OR 2652" OR 2658" OR 2664" OR 2670" OR 2676" OR 2682" OR 2688" OR 2694" OR 2700" OR 2706" OR 2712" OR 2718" OR 2724" OR 2730" OR 2736" OR 2742" OR 2748" OR 2754" OR 2760" OR 2766" OR 2772" OR 2778" OR 2784" OR 2790" OR 2796" OR 2802" OR 2808" OR 2814" OR 2820" OR 2826" OR 2832" OR 2838" OR 2844" OR 2850" OR 2856" OR 2862" OR 2868" OR 2874" OR 2880" OR 2886" OR 2892" OR 2898" OR 2904" OR 2910" OR 2916" OR 2922" OR 2928" OR 2934" OR 2940" OR 2946" OR 2952" OR 2958" OR 2964" OR 2970" OR 2976" OR 2982" OR 2988" OR 2994" OR 3000" OR 3006" OR 3012" OR 3018" OR 3024" OR 3030" OR 3036" OR 3042" OR 3048" OR 3054" OR 3060" OR 3066" OR 3072" OR 3078" OR 3084" OR 3090" OR 3096" OR 3102" OR 3108" OR 3114" OR 3120" OR 3126" OR 3132" OR 3138" OR 3144" OR 3150" OR 3156" OR 3162" OR 3168" OR 3174" OR 3180" OR 3186" OR 3192" OR 3198" OR 3204" OR 3210" OR 3216" OR 3222" OR 3228" OR 3234" OR 3240" OR 3246" OR 3252" OR 3258" OR 3264" OR 3270" OR 3276" OR 3282" OR 3288" OR 3294" OR 3300" OR 3306" OR 3312" OR 3318" OR 3324" OR 3330" OR 3336" OR 3342" OR 3348" OR 3354" OR 3360" OR 3366" OR 3372" OR 3378" OR 3384" OR 3390" OR 3396" OR 3402" OR 3408" OR 3414" OR 3420" OR 3426" OR 3432" OR 3438" OR 3444" OR 3450" OR 3456" OR 3462" OR 3468" OR 3474" OR 3480" OR 3486" OR 3

13. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE SITE SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE, NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS POSSIBLE. UNIMPAVED EXPOSED SOILS SHALL BE PROTECTED FROM EROSION AND CONTOUR REFORMATION OF THE SURFACE.


14. ALL WASTE DISCHARGED FROM EXCAVATIONS AND TEMPORARY SEDIMENT PONDS SHALL BE FILTERED USING A 30-MICRON SCREENS ACCEPTABLE TO ADEM AS WELL AS THE LOCAL AUTHORITY HAVING JURISDICTION.


15. UNLESS OTHERWISE NOTED, RIP-RAP SHALL BE A L.O.D. 1 MATCHED CLASS A-1 WITH A MEDIAN RIP-RAP SIZE D50 OF 1.5 INCHES. RIP-RAP SHALL BE PLACED TO PROTECT EXPOSED SOILS FROM EROSION. THE RIP-RAP SHALL BE PLACED IN A CONCRETE WASH-OUT AREA SHALL BE IN CONFORMANCE WITH STANDARDS OF ADEM, AS WELL AS THE LOCAL PERMITTING AUTHORITY HAVING JURISDICTION.


16. THE SCHEDULING OF THE CONSTRUCTION OF THE PROJECT SHALL BE BEGINNING OF LAND DISTURBANCE TO DETERMINE WHETHER OR NOT AN INITIAL SITE ASSESSMENT INSPECTION BY THE ENGINEER IS REQUIRED. IF REQUIRED, THE SITE ASSESSMENT SHALL BE COMPLETED AND THE RESULTS OF THE SITE ASSESSMENT SHALL BE PROVIDED TO THE ENGINEER. ALLOW EROSION A MINIMUM OF 1 WEEK NOTICE IN SCHEDULING SITE ASSESSMENT INSPECTIONS.

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V	VERTICAL
W	WEST
W/	WITH
WS	WATER SURFACE
WV	WATER VALVE
W.W.F.	WELDED WIRE FABRIC
W.W.M.	WELDED WIRE MESH
YD	YARD DRAIN

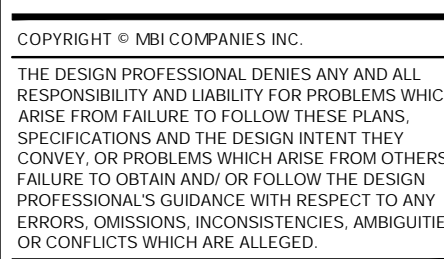
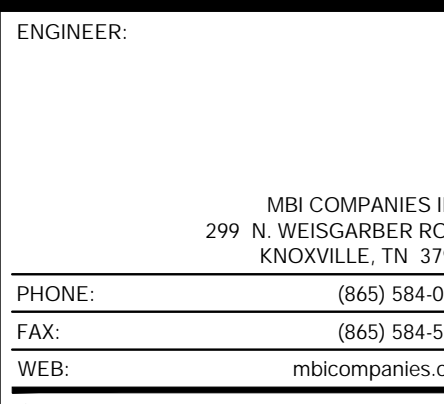
 FILTER RING
  BENCHMARK

 CONTROL POINT

 MAILBOX

PROPERTY INFORMATION	
<b><u>OWNER</u></b>	
NAME:	CLAYTON HOMES
CONTACT:	BRAD JARRETT
ADDRESS:	3916 FOUNTAIN VALLEY ROAD KNOXVILLE, TN 37918 (844) 275-5213
<b><u>PROPERTY DATA</u></b>	
ADDRESS:	16661 COUNTY ROAD 41 ADDISON, AL 35179

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CLAYTON ADDISON  
MANUFACTURING  
FACILITY

NOTES

ACTIVE DESIGN PHASE	
<input type="checkbox"/>	FOR REVIEW OF
<input type="checkbox"/>	FOR PERMITTING OF
<input type="checkbox"/>	SCHEMATIC DESIGN
<input type="checkbox"/>	DESIGN DEVELOPMENT
<input type="checkbox"/>	CONSTRUCTION BIDDING
<input checked="" type="checkbox"/>	CONSTRUCTION DOCUMENTS
<input type="checkbox"/>	AS-BUILT RECORD DRAWINGS

KEY PLAN

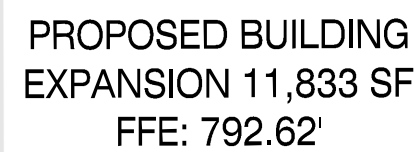
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CIVIL NOTE  
& LEGEND

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GRAPHIC SCALE

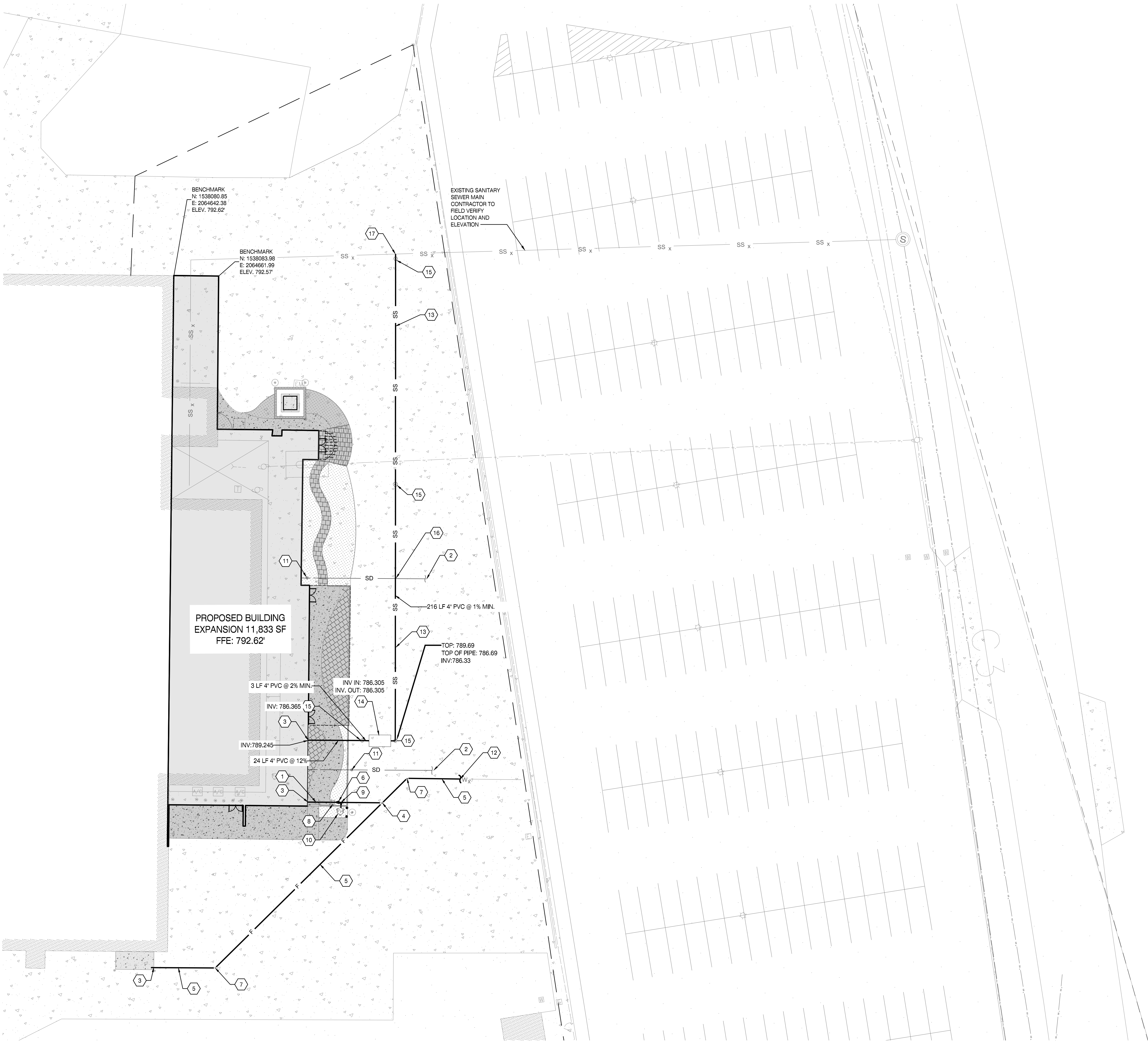
20 0 10 20 40

1 INCH = 20'



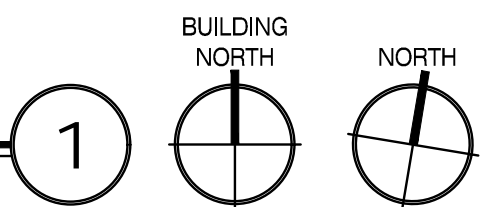






SITE UTILITY PLAN

SCALE: 1" = 20'-0"



Know what's below.  
Call before you dig.  
In Tennessee call 811 or 1-800-351-1111

GRAPHIC SCALE

20 0 10 20 40 60

1 INCH = 20'

GENERAL NOTES

- SEE SHEET C001 FOR CIVIL NOTES AND LEGENDS
- COORDINATE ALL UTILITY CROSSINGS
- PROVIDE KOR & SEAL CONNECTORS
- FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. DETERMINE LOCATION, SIZE, MATERIAL & INVERTS. REPORT ANY DISCREPANCIES TO OWNER & ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION & INSTALLATION.

UTILITY KEYED NOTES

- PROPOSED 2-1/2" WATER SERVICE PVC LINE; SEE DETAIL 7/C800
- PROPOSED STORM SERVICE LINE - FIELD LOCATE CONNECT TO EXISTING SYSTEM
- FOR CONTINUATION SEE PLUMBING PLANS
- 6"x6" TEE AND A 45° BEND; SEE DETAIL 2/C801
- 6" DUCTILE IRON CL350 FIRE PROTECTION SERVICE LINE; SEE DETAIL 7/C800
- 6" TO 2" PIPE REDUCER
- 45° BEND; SEE DETAIL 2/C801
- 2" WATER METER; SEE DETAIL 1/C801
- 6"x6"x6" TEE; SEE DETAIL 2/C801
- FIRE HYDRANT ASSEMBLY; SEE DETAIL 3/C801
- STORM SEWER CLEANOUT; SEE DETAIL 6/C800
- FIELD LOCATE AND CONNECT TO EXISTING PER LOCAL UTILITY REQUIREMENTS.
- 4" SCH40 PVC BUILDING SANITARY SEWER SERVICE LINE @ 1.0% MIN. SLOPE; SEE DETAIL 7/C800
- GREASE INTERCEPTOR WITH TRAFFIC-RATED LIDS; SEE PLUMBING PLANS FOR DETAILS
- 2 WAY SANITARY SEWER CLEANOUT; SEE DETAIL 4/C801
- CONTRACTOR TO FIELD LOCATE STORM DRAIN LINE AND ADJUST SS LINE AS REQUIRED TO MAINTAIN MIN 1% SLOPE W/O CONFLICTING W/ STORM DRAIN LINE
- FIELD LOCATE AND CONNECT TO EXISTING WISADDE PER LOCAL UTILITY REQUIREMENTS.

MBI

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, ALABAMA 35040

PROJECT NO.: 180788.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

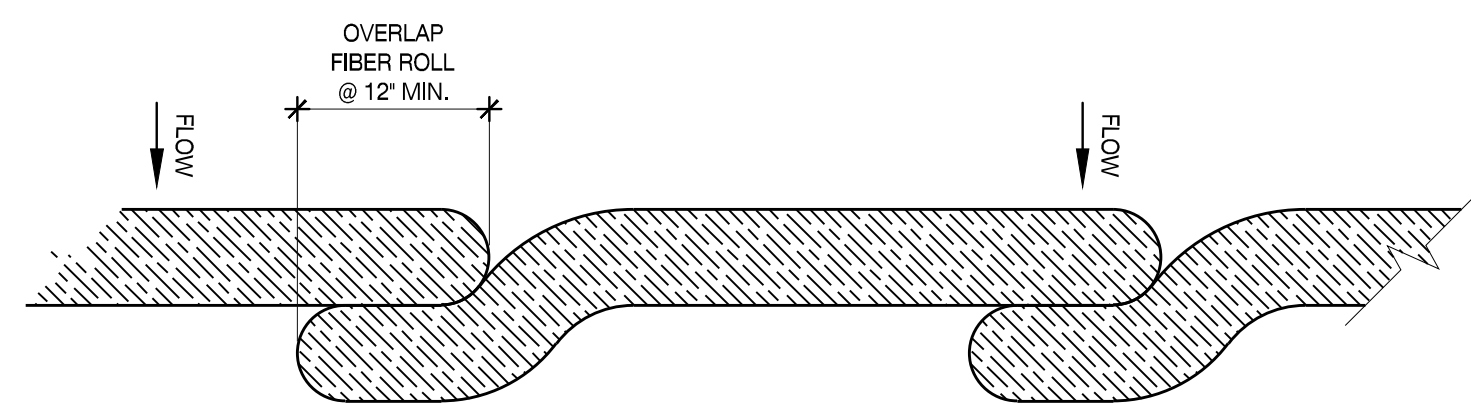
SHEET ISSUED: 08/16/2019  
DESIGNED BY: L.S.B.  
DRAWN BY: S.J.C.  
REVIEWED BY: D.J.M.  
SHEET TITLE:

SITE UTILITY PLAN

SHEET NO.:

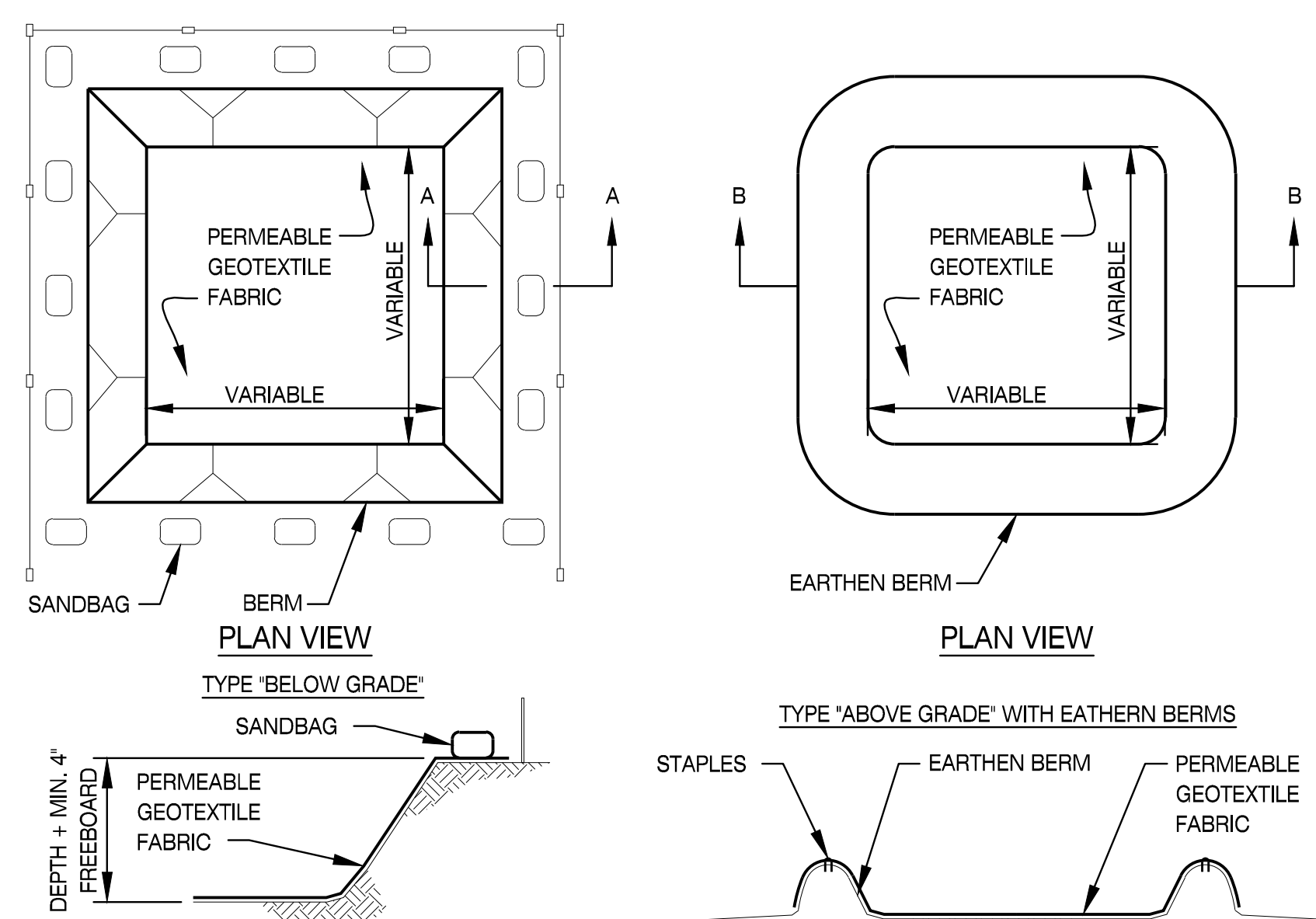
C600





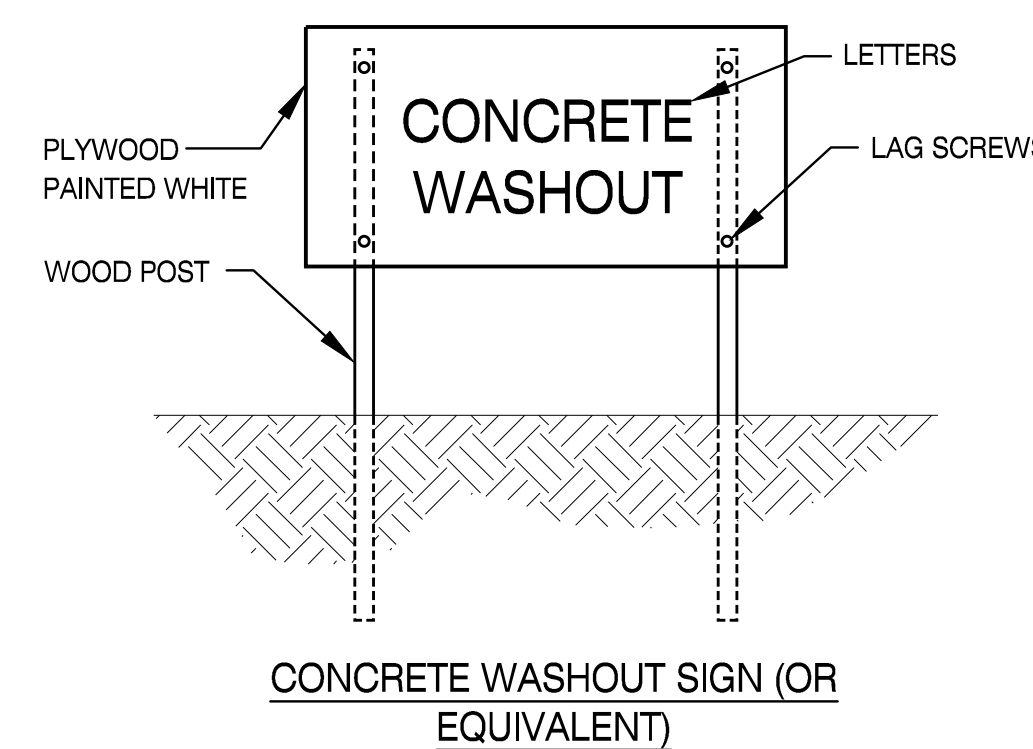
## FIBER ROLL

SCALE: N.T.S.

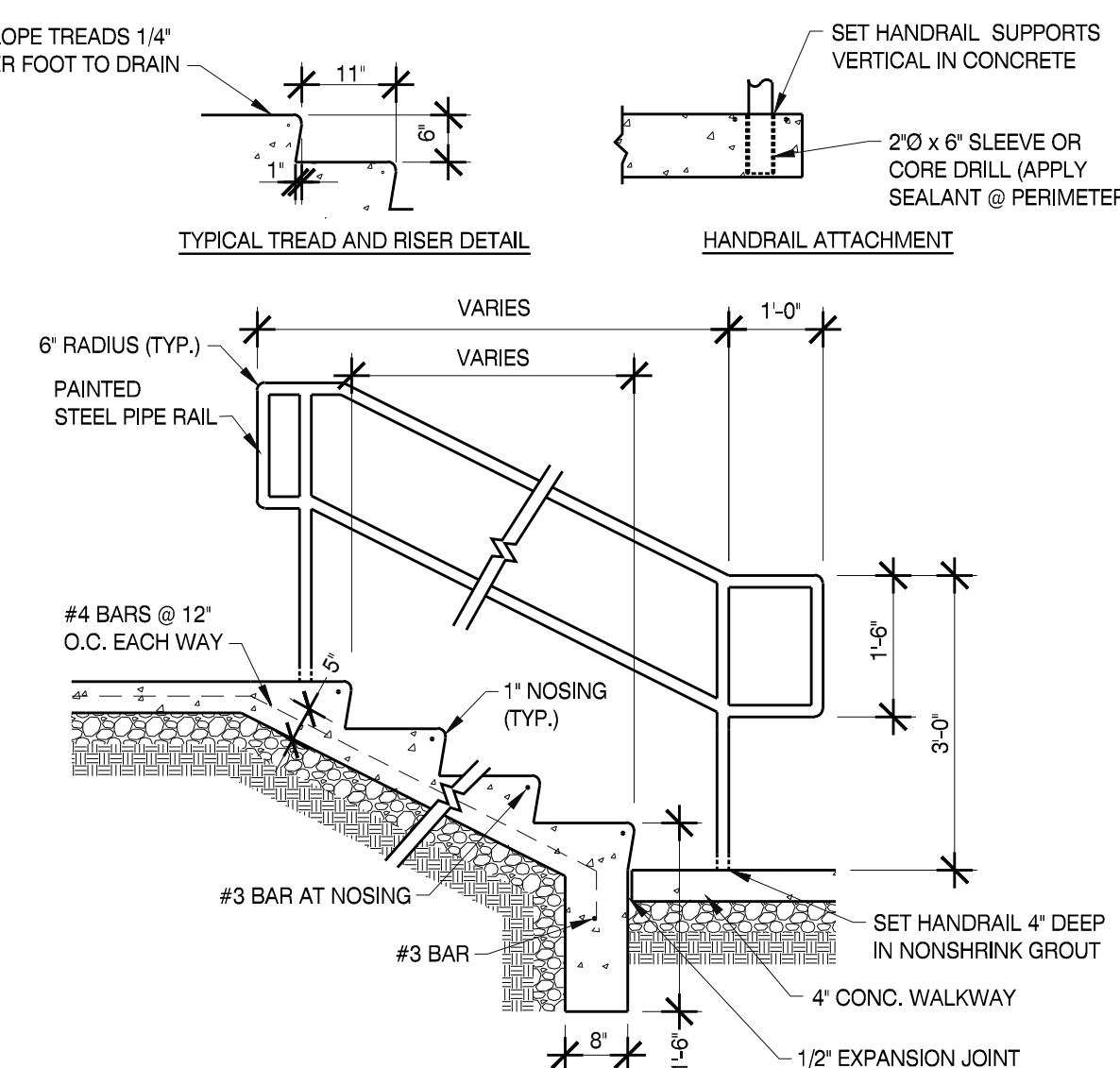


## CONCRETE WASHOUT

SCALE: N.T.S.

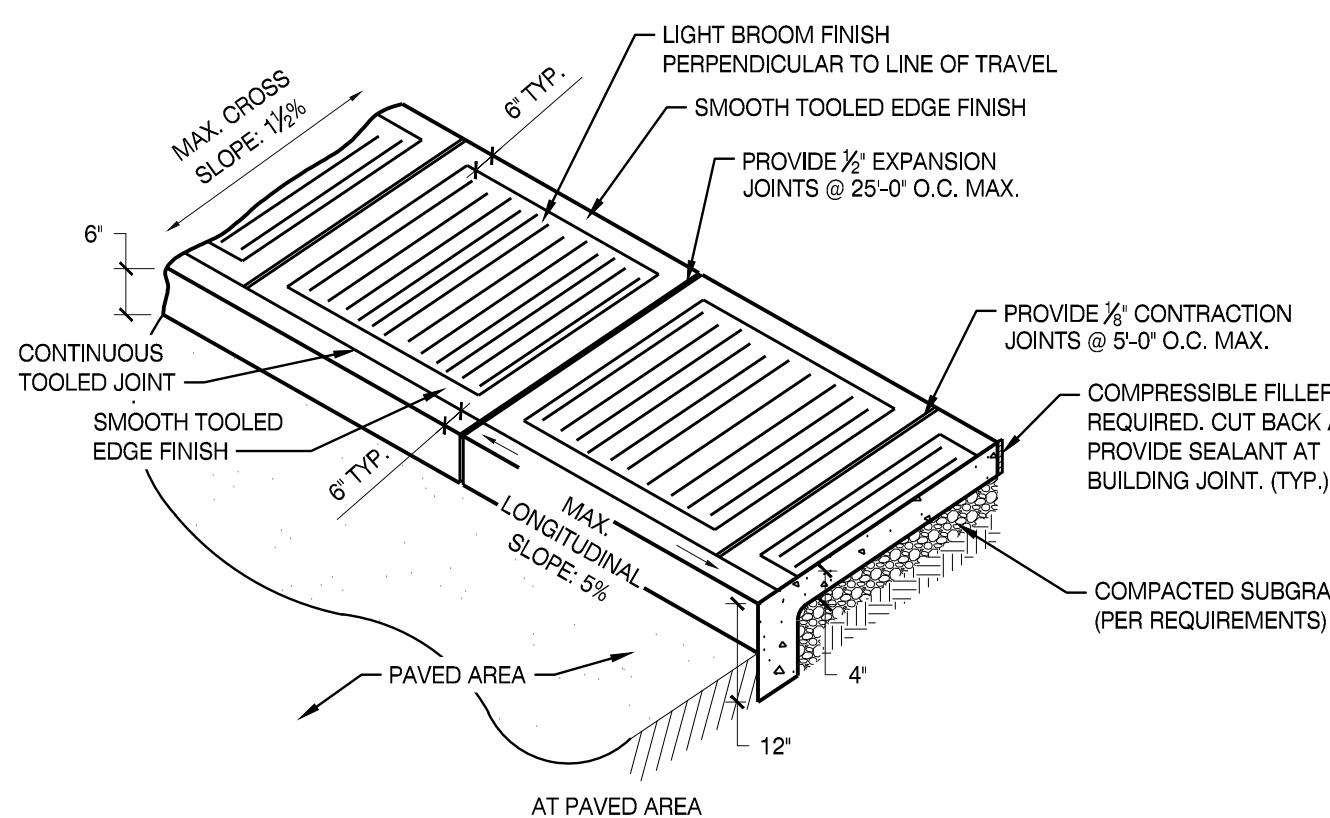


- NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
  2. SIGNAGE IDENTIFYING THE CONCRETE WASHOUT AREA SHALL BE INSTALLED WITHIN 5 FT. OF THE WASHOUT FACILITY.



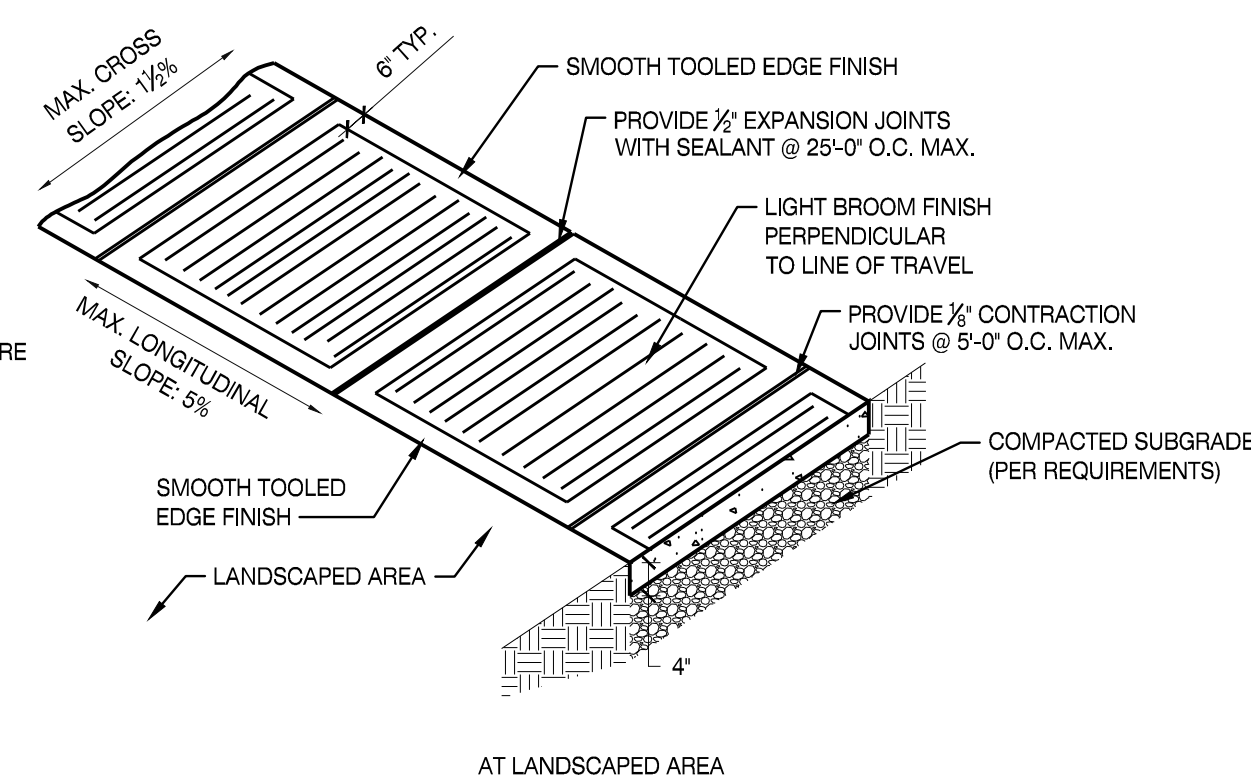
## EXTERIOR STAIRS

SCALE: N.T.S.

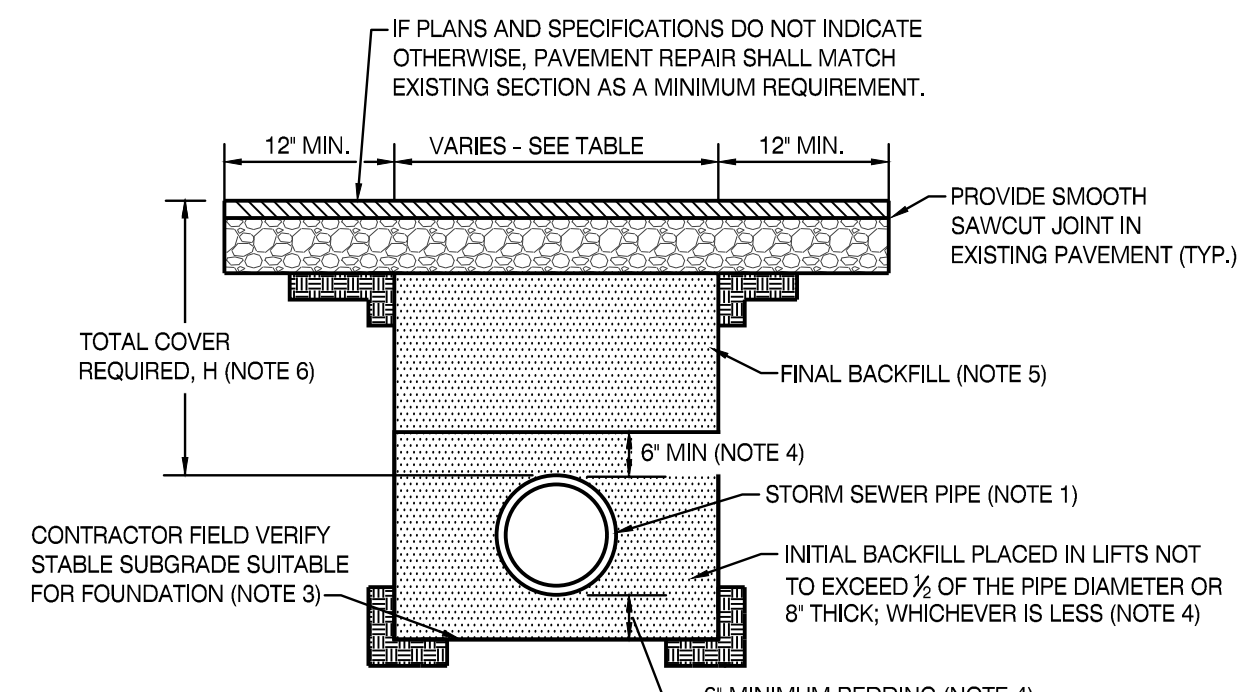


## CONCRETE SIDEWALK

SCALE: N.T.S.



## 4



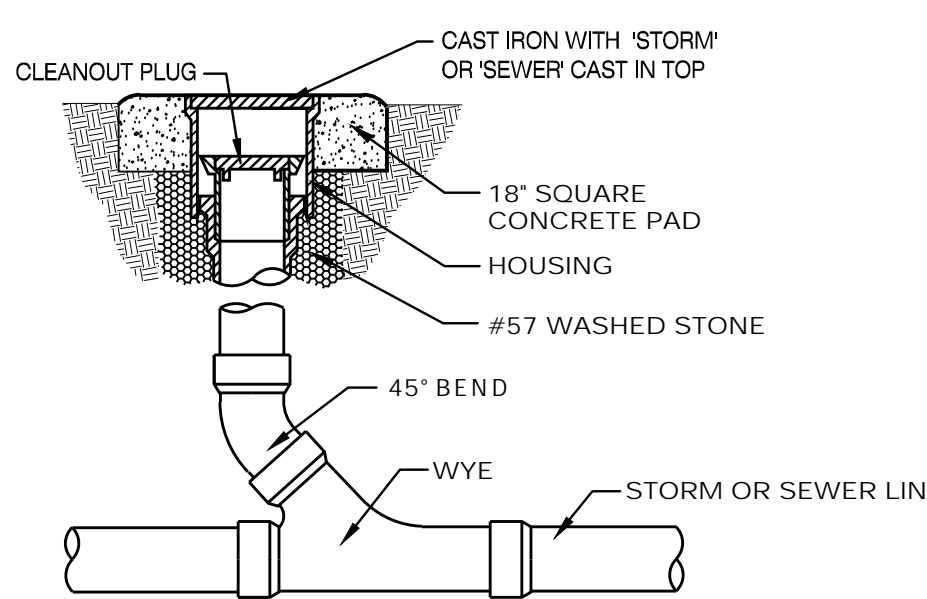
## STORM SEWER TRENCH

SCALE: N.T.S.

1. ALL HDPE PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST ED., AND ALL CMP SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM A798, LATEST ED.
2. THIS DETAIL ADDRESSES A TRENCH TYPE INSTALLATION. FOR EMBANKMENT OR OTHER INSTALLATIONS, FOR CMP SEE AASHTO SECTION 27, FOR HDPE SEE AASHTO SECTION 29. THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.
3. WHERE THE TRENCH BOTTOM IS UNSUITABLE FOR FOUNDATION IN THE OPINION OF THE PROJECT GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL STABILIZE THE TRENCH BOTTOM ACCORDING TO THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER.
4. BEDDING AND INITIAL BACKFILL TO 6" ABOVE THE CROWN OF THE PIPE SHALL BE #57 CRUSHED STONE. ELIMINATE VOIDS BY KINING UNDER AND AROUND PIPE WITH SHOVEL OR OTHER MEANS AT THE DISCRETION OF THE CONTRACTOR.
5. FINAL BACKFILL FOR ALL PIPES LOCATED IN PAVED AREAS SHALL BE COMPACTED #57 CRUSHED STONE MEETING THE REQUIREMENTS OF THE TENNESSEE STATE DEPARTMENT OF TRANSPORTATION. FOR GRASS OR LANDSCAPED AREAS, PROVIDE #57 CRUSHED STONE INITIAL BACKFILL TO 6" ABOVE CROWN OF PIPE AND COVER GRAVEL WITH A NONWOVEN GEOTEXTILE TO PREVENT MIGRATION OF FINES. FINAL BACKFILL TO SURFACE SHALL BE SOIL FREE OF FOREIGN DEBRIS. SOIL BACKFILL SHALL BE PLACED IN 8" LOOSE LIFTS AND BE COMPACTED TO 90% STANDARD DENSITY PER AASHTO T-99 OR PER PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. TOP 6" SHALL BE TOPSOIL FROM SITE STRIPPING OPERATIONS LOOSELY PLACED.
6. MINIMUM COVER, H, IS 24" UP TO 48" DIAMETER PIPE. H IS 36" FOR 54" TO 60" DIAMETER PIPE. H IS MEASURED FROM TOP OF PIPE TO TOP OF FLEXIBLE PAVEMENT OR GROUND SURFACE IN GRASS OR LANDSCAPE AREAS WHERE APPLICABLE. FOR RCP AND CONCRETE PIPE, H IS 12" MINIMUM.

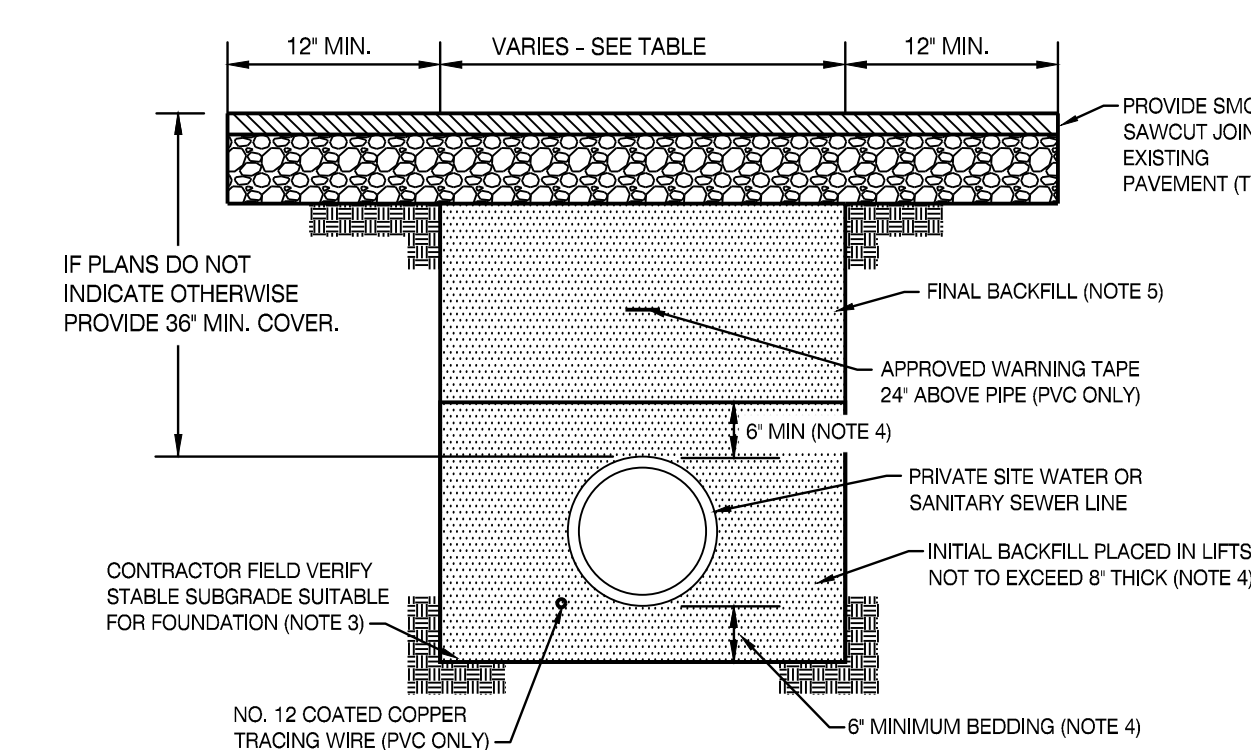
RCP AND CONCRETE		CMP, HDPE AND PVC	
PIPE DIA (IN)	MINIMUM WIDTH (IN)	PIPE DIA (IN)	MINIMUM WIDTH (IN)
12	22	4	21
15	26	6	23
18	31	8	26
24	40	10	28
30	50	12	30
36	59	15	34
42	68	18	39
48	78	24	48
54	87	30	56
60	96	36	64
		42	72
		48	80
		54	88
		60	96

## 5



## STORM/SEWER CLEANOUT

SCALE: N.T.S.



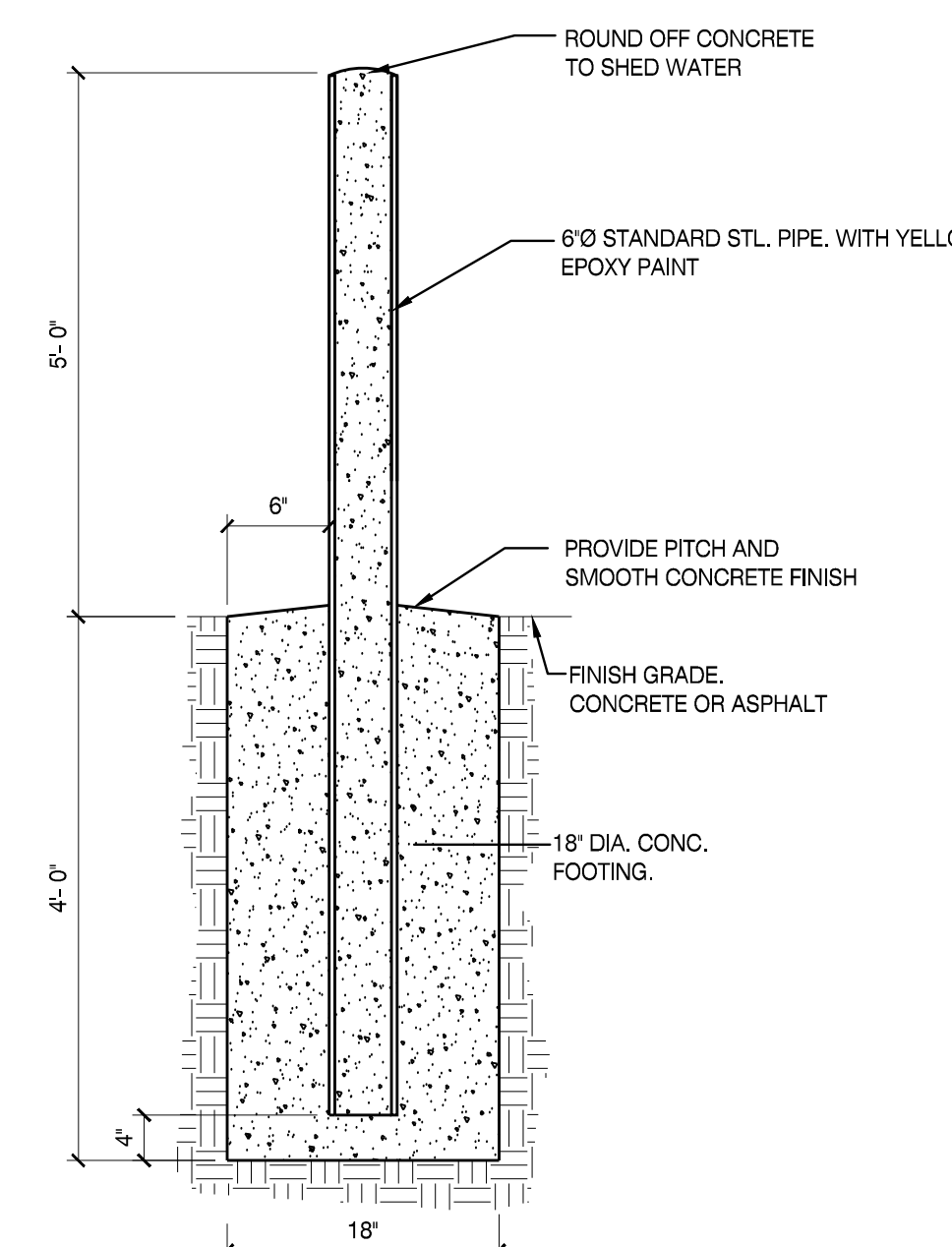
## WATER AND SEWER TRENCH

SCALE: N.T.S.

- NOTES:
1. ALL PRIVATE SITE UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE, LOCAL UTILITY REQUIREMENTS, AND THE LOCAL AGENCY HAVING JURISDICTION OVER BUILDING CONSTRUCTION.
  2. THIS DETAIL ADDRESSES A TRENCH TYPE INSTALLATION. THIS DETAIL DOES NOT ADDRESS OSHA TRENCH SAFETY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL HEALTH AND SAFETY ISSUES REGARDING TRENCH SAFETY.
  3. WHERE THE TRENCH BOTTOM IS UNSUITABLE FOR FOUNDATION IN THE OPINION OF THE PROJECT GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL STABILIZE THE TRENCH BOTTOM ACCORDING TO THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER.
  4. BEDDING AND INITIAL BACKFILL TO 6" ABOVE THE CROWN OF THE PIPE SHALL BE #57 CRUSHED STONE. ELIMINATE VOIDS BY KINING UNDER AND AROUND PIPE WITH SHOVEL OR OTHER MEANS AT THE DISCRETION OF THE CONTRACTOR.
  5. FINAL BACKFILL FOR ALL PIPES LOCATED IN PAVED AREAS SHALL BE COMPACTED #57 CRUSHED STONE MEETING THE REQUIREMENTS OF THE STATES DEPARTMENT OF TRANSPORTATION.
  6. FOR GRASS OR LANDSCAPED AREAS, PROVIDE #57 CRUSHED STONE INITIAL BACKFILL TO 6" ABOVE CROWN OF PIPE AND COVER GRAVEL WITH A NONWOVEN GEOTEXTILE TO PREVENT MIGRATION OF FINES. FINAL BACKFILL TO SURFACE SHALL BE SOIL FREE OF FOREIGN DEBRIS. SOIL BACKFILL SHALL BE PLACED IN 8" LOOSE LIFTS AND BE COMPACTED TO 90% STANDARD DENSITY PER AASHTO T-99 OR PER PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. TOP 6" SHALL BE TOPSOIL FROM SITE STRIPPING OPERATIONS LOOSELY PLACED.
  7. IF PLANS AND SPECIFICATIONS DO NOT INDICATE OTHERWISE, PAVEMENT REPAIR SHALL MATCH EXISTING SECTION AS A MINIMUM REQUIREMENT.

MINIMUM TRENCH WIDTHS	
PIPE DIA. (IN)	MIN. WIDTH (IN)
< 4	18
4	21
6	23
8	26

## 7

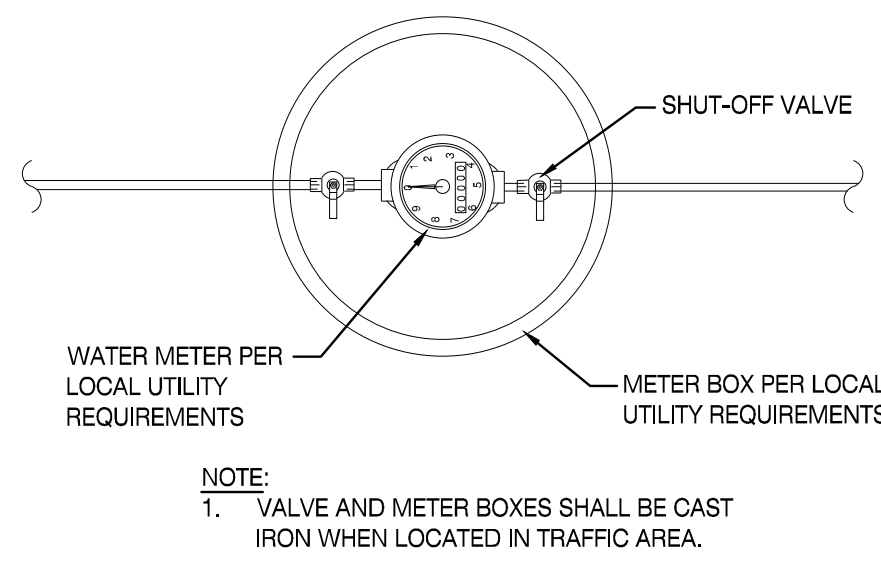


## 6" BOLLARD

SCALE: N.T.S.

## 8

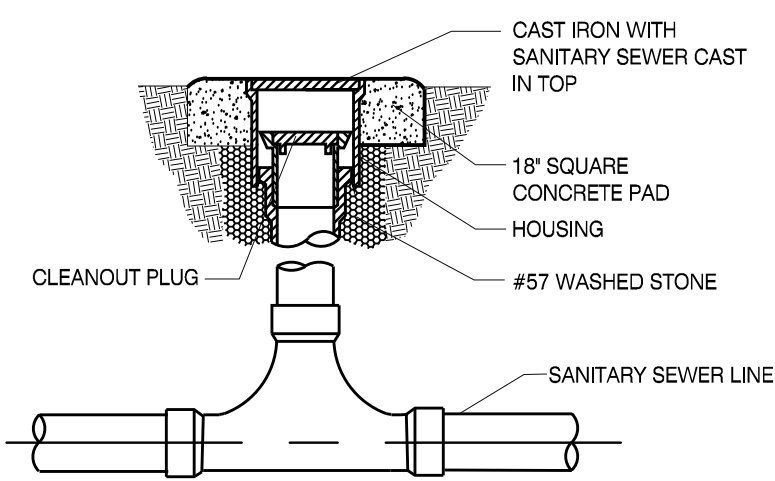




## WATER METER

SCALE: N.T.S.

1



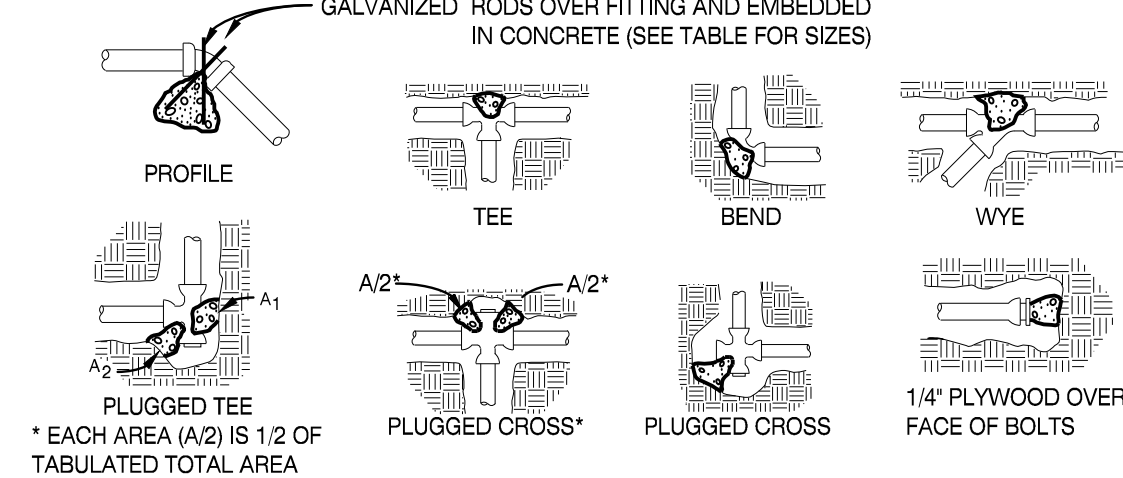
## 2 WAY SANITARY SEWER CLEANOUT

SCALE: N.T.S.

4

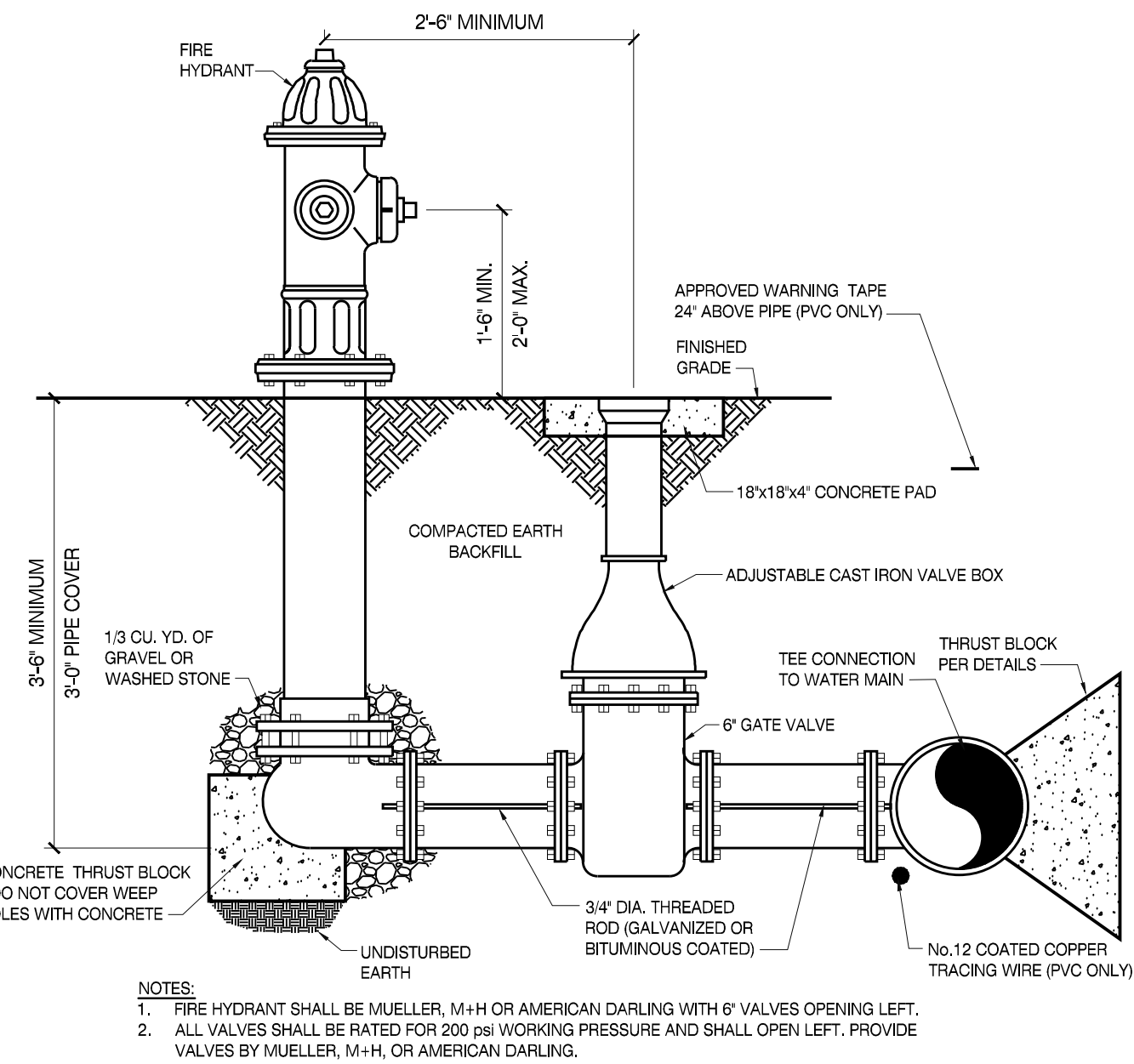
- NOTES:
- KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.
  - CONCRETE THRUST BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH.
  - REQUIRED VOLUMES OR BEARING AREAS AT FITTINGS SHALL BE AS INDICATED BELOW, ADJUSTED, IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIFICATIONS.
  - THRUST BLOCK VOLUMES FOR VERTICAL BENDS HAVING UPWARD RESULTANT THRUSTS ARE BASED ON TEST PRESSURE OF 150 PSIG AND THE WEIGHT OF CONCRETE = 4050 LBS/CU YD. TO COMPUTE VOLUMES FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION:  $VOLUME = (TEST\ PRESS./150) \times (TABLE\ VALUE)$ .
  - BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 150 PSIG AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS/SQ FT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, MULTIPLY TABLE VALUES BY THE FACTOR  $(1/3.33)(P_2/P_1)$ , WHERE:  
 $P_1$  = ACTUAL TEST PRESSURE, PSIG  
 $P_2$  = ACTUAL SOIL BEARING PRESSURE, PSF
  - THRUST BLOCKS FOR VERTICAL BENDS HAVING DOWNWARD RESULTANT THRUSTS SHALL BE THE SAME AS FOR HORIZONTAL BENDS.
  - BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.
  - BEARING AREA OF THRUST BLOCK SHALL NOT BE LESS THAN 1.0 SQ FT.
  - VERTICAL BENDS THAT REQUIRE A THRUST BLOCK VOLUME EXCEEDING 5 CUBIC YARDS REQUIRE SPECIAL BLOCKING DETAILS. SEE PLANS FOR VOLUMES SHOWN TO LEFT OF SOLID LINE IN TABLE.
  - TEST PRESSURES ARE SHOWN IN THE PIPING SCHEDULE.
  - ALLOWABLE SOIL BEARING STRESS IS 2000 LBS/SQ FT.

BEARING AREA OF THRUST BLOCKS IN SQ. FT.										VOLUME OF THRUST BLOCK IN CUBIC YARDS				
FITTING SIZE	(HORIZONTAL BENDS)										(VERTICAL BENDS)			
	TEE, WYE, PLUG, OR CAP	90° BEND PLUGGED CROSS		TEE PLUGGED RUN		BEND ANGLE				FITTING SIZE	BEND ANGLE			ROOT SIZE
		A1	A2	A1	A2	45°	22 1/2°	11 1/4°			45°	22 1/2°	11 1/4°	
4	1.0	1.4	1.9	1.4	1.0	-	-	-	-	6	2.7	1.0	0.4	#6
6	2.1	3.0	4.3	3.0	1.6	1.0	-	-	-	8	4.0	1.5	0.6	#8
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0	-	-	10	6.0	2.3	0.9	#10
10	5.9	8.4	11.8	8.4	4.6	2.4	1.2	-	-	12	8.5	3.2	1.3	#12
12	8.5	12.0	17.0	12.0	6.6	3.4	1.7	-	-	14	11.5	4.3	1.8	#14
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3	-	-	16	14.8	5.6	2.3	#16
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0	-	-					
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8	-	-					
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7	-	-					
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8	-	-					



## THRUST BLOCK

SCALE: N.T.S.



## FIRE HYDRANT ASSEMBLY

SCALE: N.T.S.

3

# MBI

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, ALABAMA 35640  
PROJECT NO.: 180788.04

NOTES

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REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

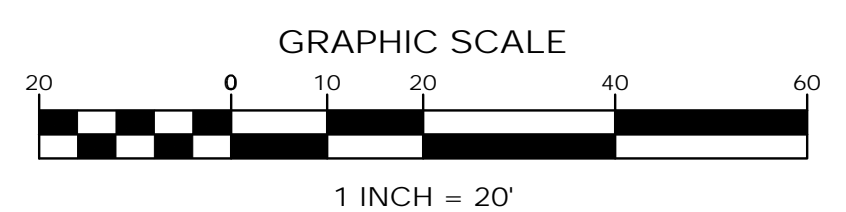
SHEET ISSUED: 08/16/2019  
DESIGNED BY: L.S.B.  
DRAWN BY: S.J.C.  
REVIEWED BY: D.J.M.  
SHEET TITLE:

CIVIL DETAILS

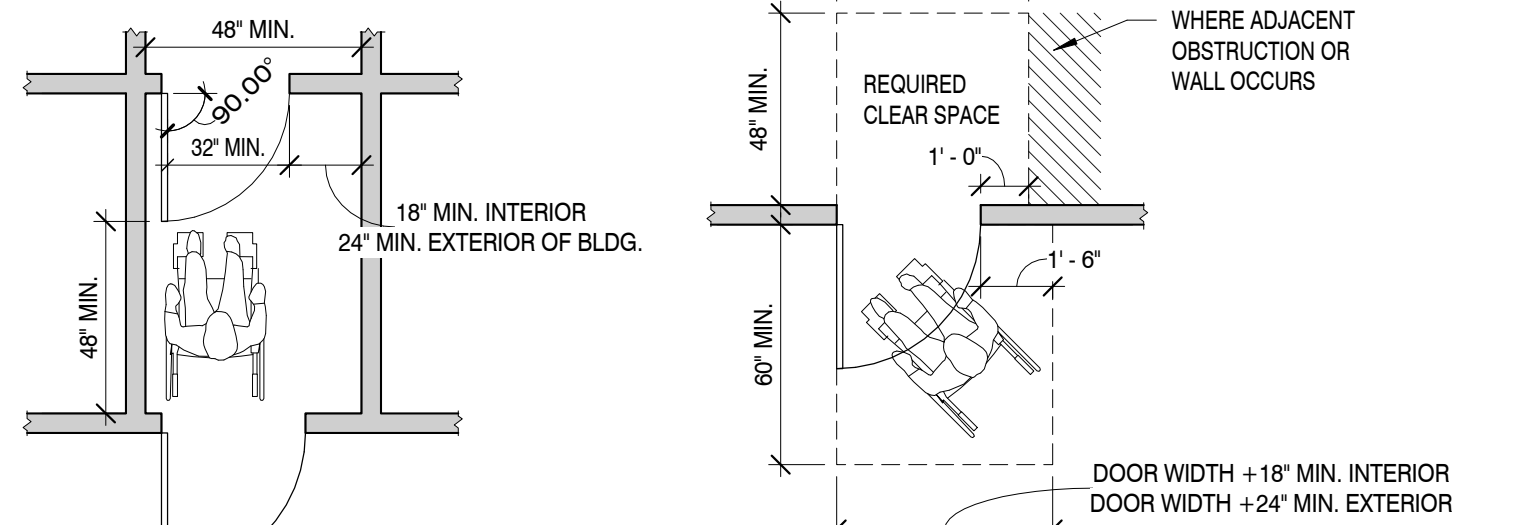
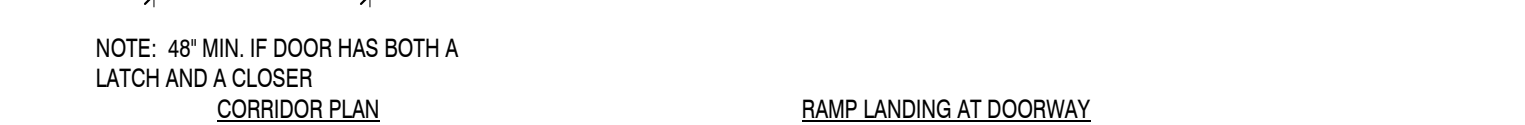
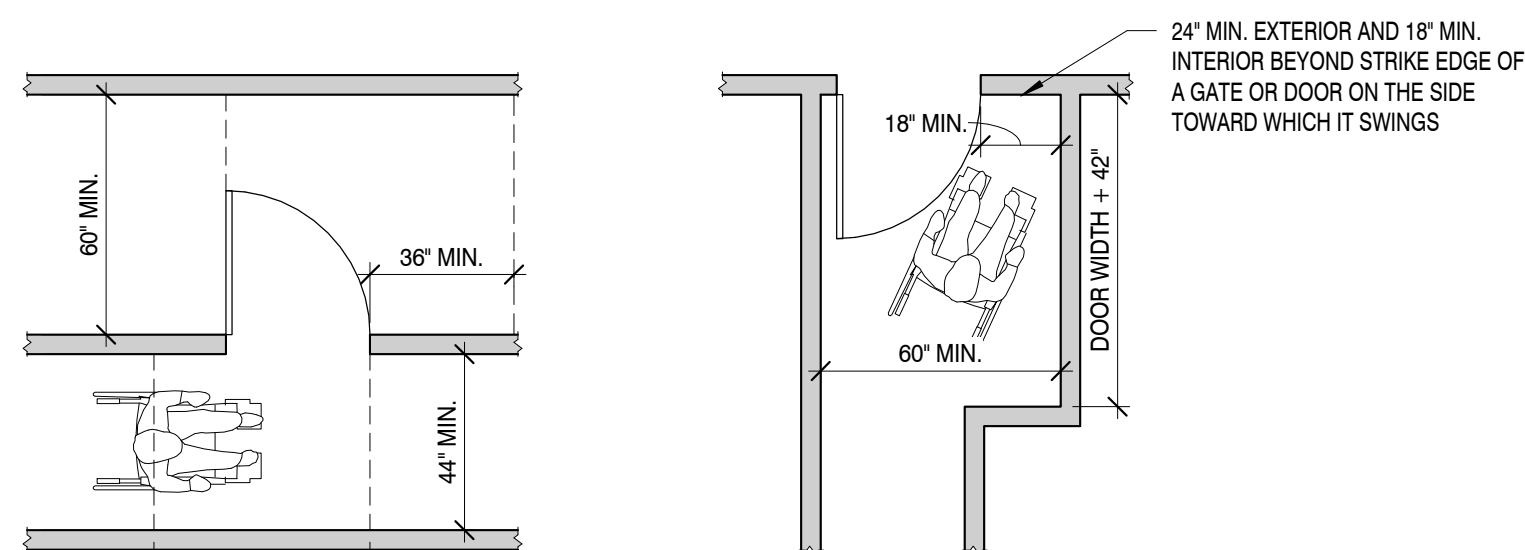
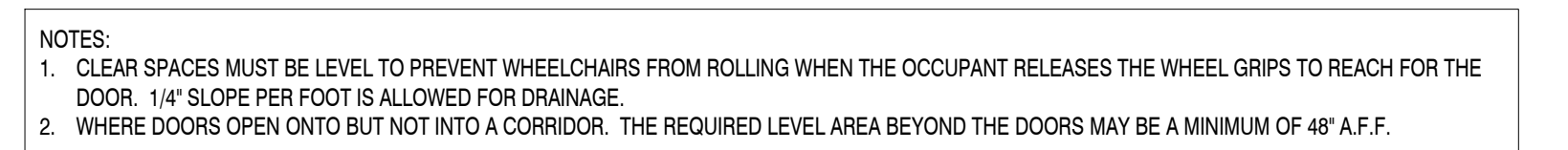
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## C801



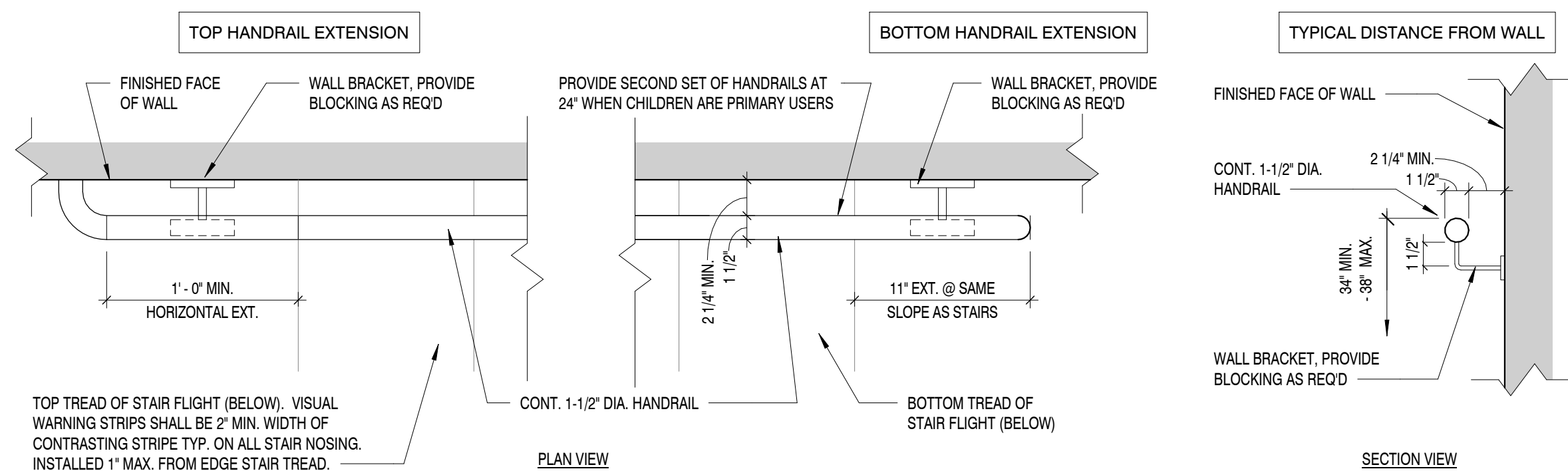






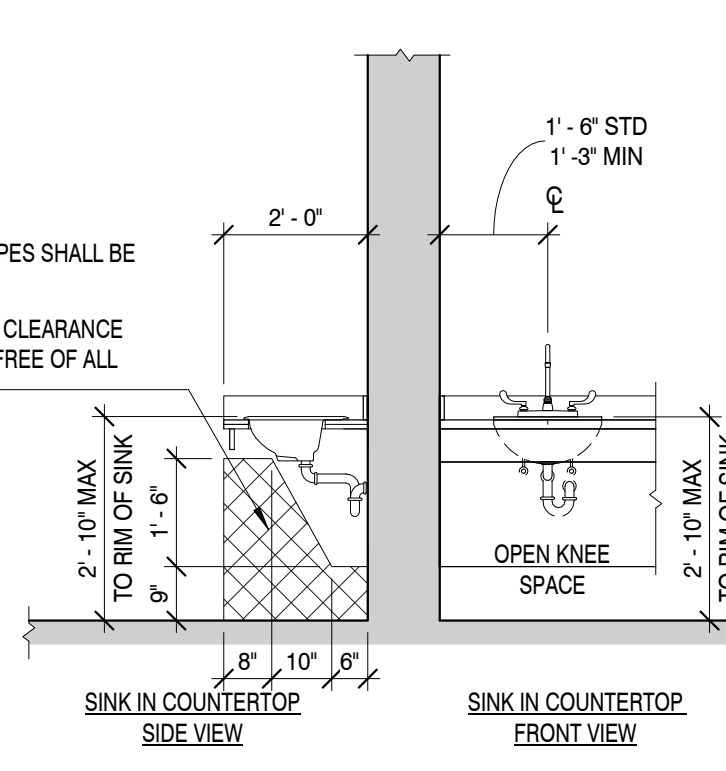
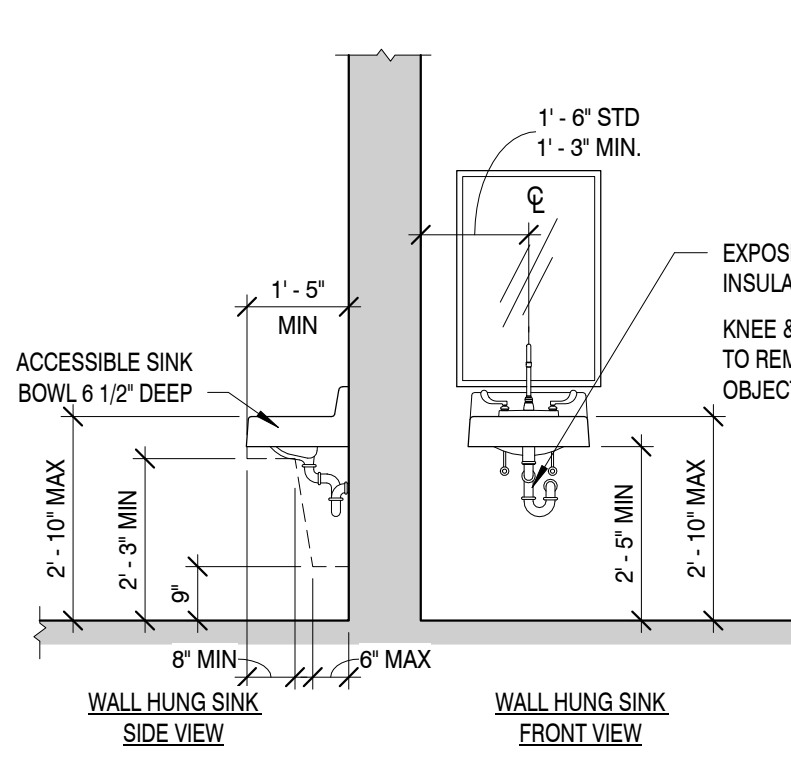
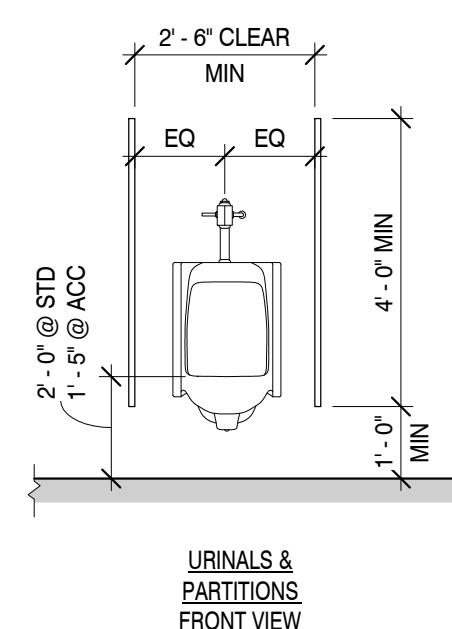
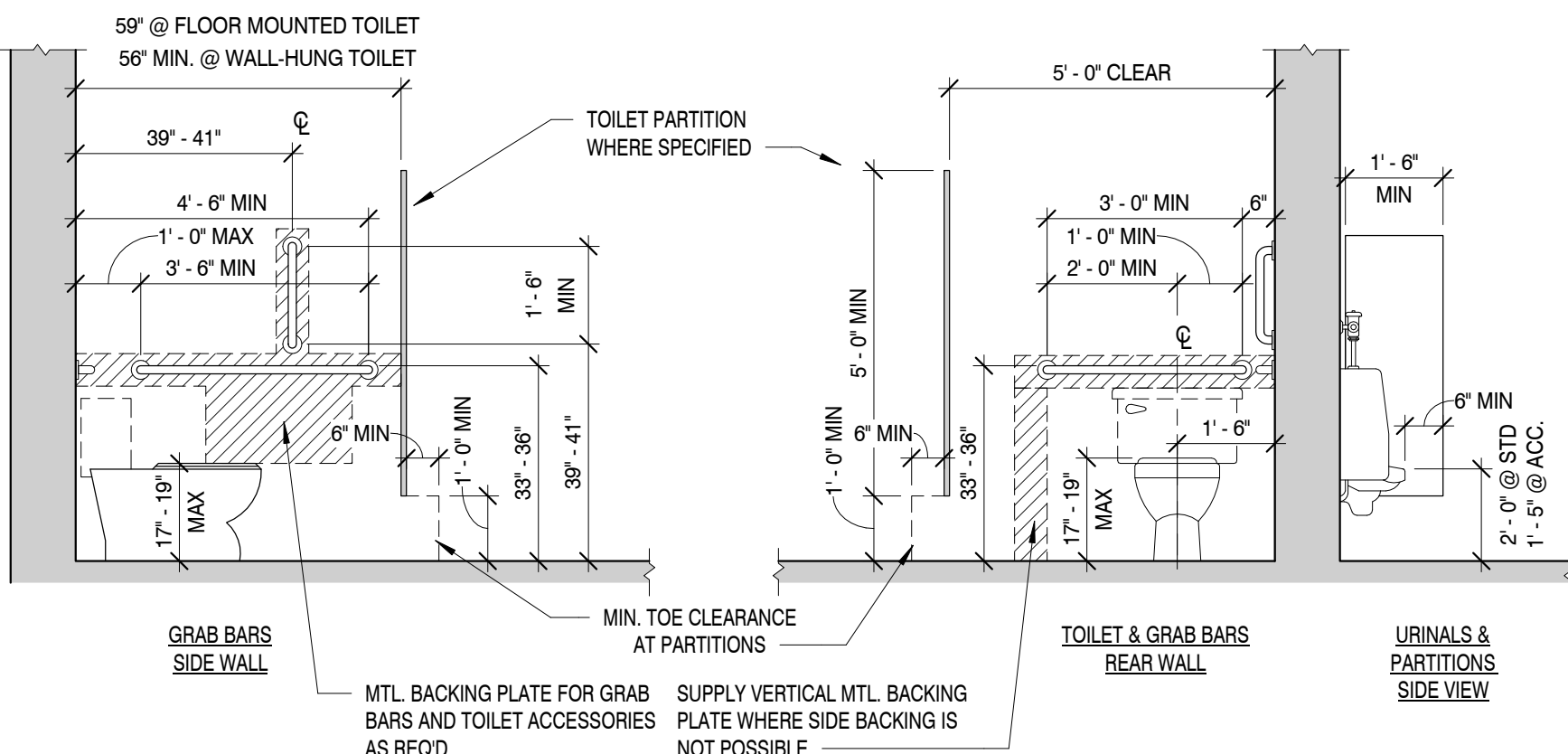
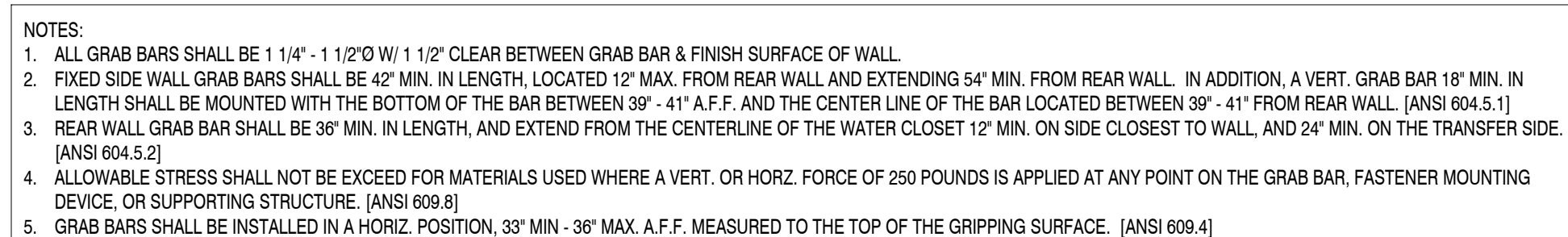
## CORRIDOR CLEARANCES

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



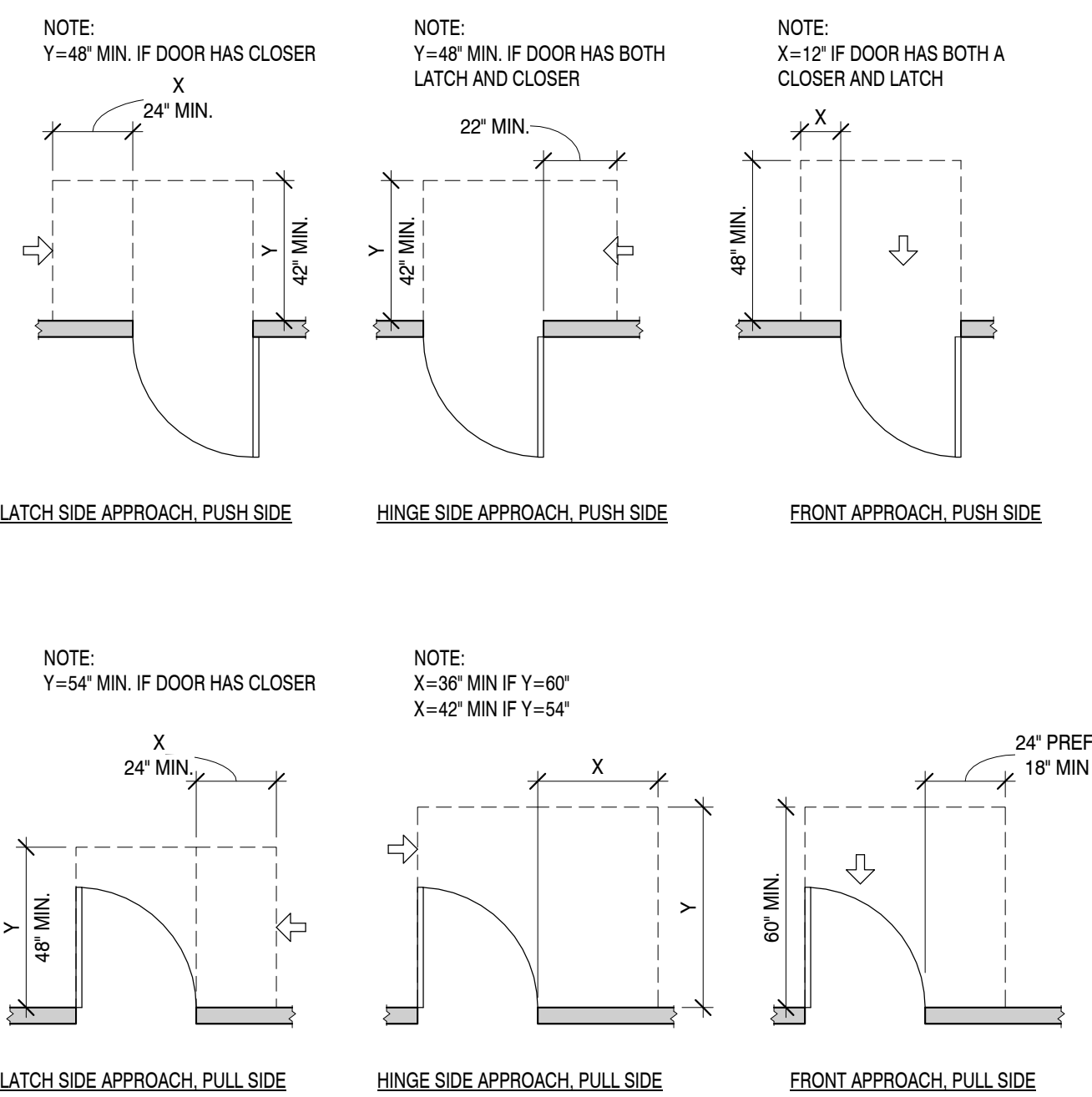
## STAIR HANDRAIL DETAILS AND NOTES

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



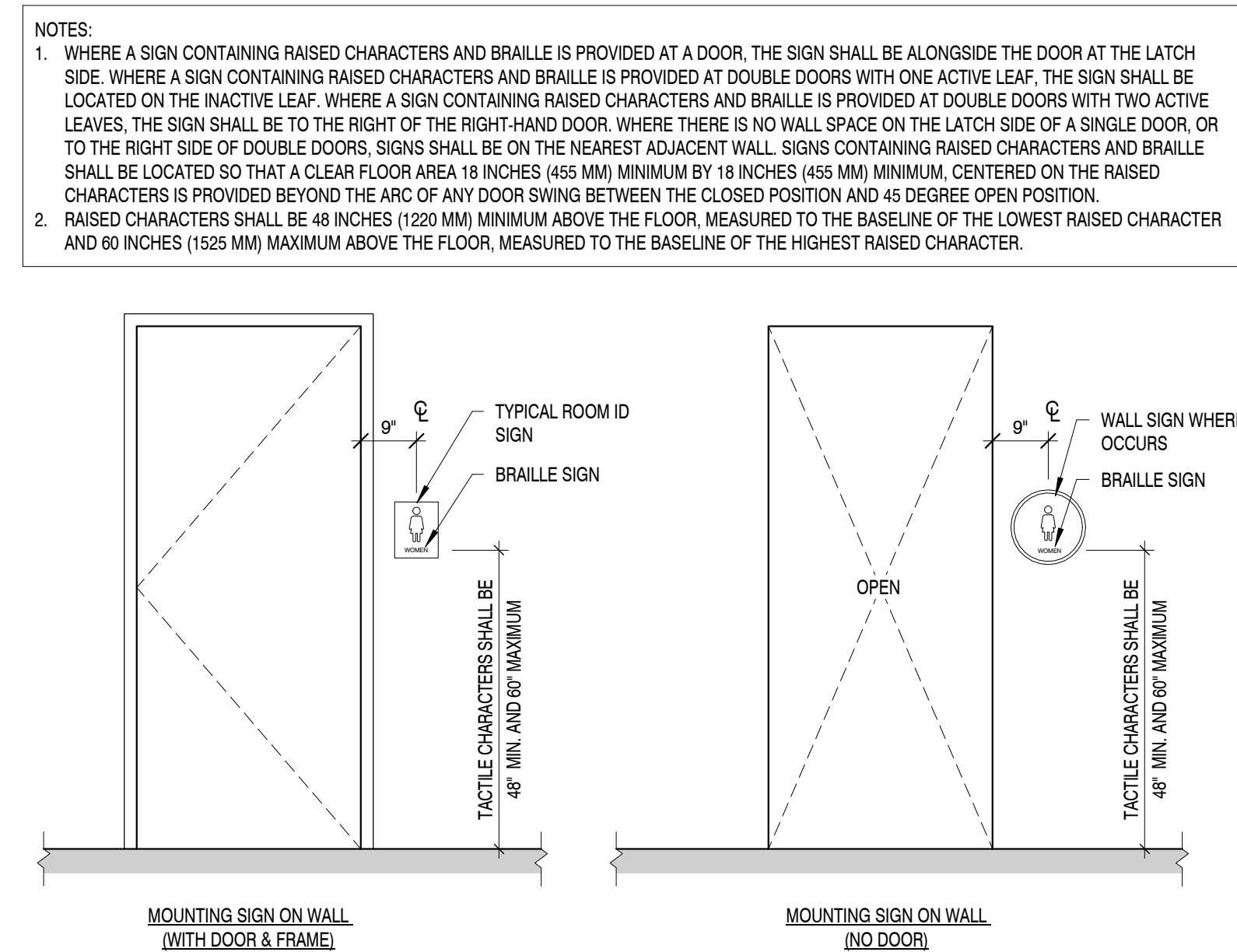
## PLUMBING FIXTURES DETAILS

SCALE : 3/8" = 1'-0"



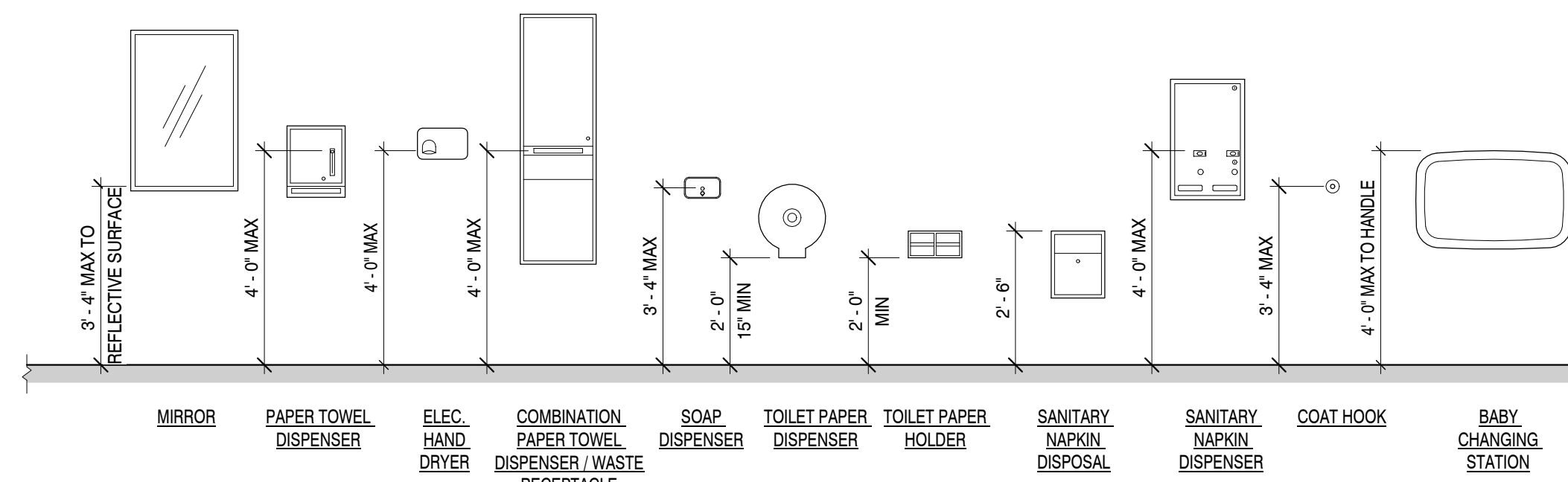
## DOOR CLEARANCES

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



## SIGNAGE NOTES AND DETAILS

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



## RESTROOM ACCESSORY MOUNTING HEIGHTS

SCALE :  $3/8" = 1'-0"$

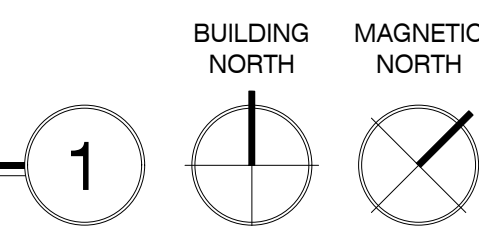


- THE ARCHITECT HAS MADE EVERY EFFORT TO SET FORTH IN THE CONTRACT DOCUMENTS THE COMPLETE SCOPE OF THE WORK. THE CONTRACTOR IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS AND DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL NOT EXCUSE HIM FROM PROVIDING A COMPLETED FACILITY AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. IN THE EVENT OF DISCREPANCIES, CONTRACTOR SHALL TAKE THE MORE EXPENSIVE AND EXTENSIVE WORK, UNLESS OTHERWISE STATED.
2. DETAILS ARE INTENDED TO SHOW END DETAIL OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. THE DRAWINGS, GENERAL NOTES AND WORK SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY VALUE BE BINDING AS IF SET FORTH IN THE DRAWINGS. WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS SHOWN ON ALL RELATED DRAWINGS. IF THERE IS ANY CONFLICT OR DISCREPANCY WITHIN OR BETWEEN ANY OF THE CONTRACT DOCUMENTS INVOLVING THE QUALITY OR QUANTITY OF WORK REQUIRED, THE WORK OF HIGHEST QUALITY AND/OR GREATEST QUANTITY SHOWN OR SPECIFIED SHALL BE FURNISHED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL CONTRACT DOCUMENTS AND FIELD CONDITIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS ANNOTATED WITH THE LATEST REVISIONS AND CLARIFICATIONS FOR THE USE BY ALL.
5. CONDUCT OPERATIONS IN SUCH A MANNER AS TO MINIMIZE INTERFERENCE WITH USE OF PUBLIC WAYS AND ADJACENT USES/FACILITIES. DO NOT CLOSE, BLOCK OR OTHERWISE OBSTRUCT USE OF PUBLIC WAYS OR FACILITIES WITHOUT WRITTEN CONSENT OF AUTHORITY HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES TO CLOSED OR OBSTRUCTED FACILITIES AS REQUIRED BY LOCAL REGULATIONS.
- EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPURTENANCES, AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAYS WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED BY LOCAL REGULATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN TELEPHONE AND TOILET FOR ALL SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES, OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES SHALL NOT BE REMOVED AT COMPLETION OF THE PROJECT.
8. THE CONTRACTOR SHALL LIMIT THE INGRESS AND EGRESS OF WORKERS AND EQUIPMENT TO THE CONSTRUCTION SITE AND ACCESSIBLE ONLY. DRAINAGE SHALL BE MAINTAINED. ANY EXISTING INTERIOR OR EXTERIOR CONSTRUCTION SHALL BE REPAIRED TO LIKE NEW CONDITION UNDER THIS CONTRACT.
9. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES FOR PROTECTION OF JOB PERSONNEL AND THE PUBLIC AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES, AND SAFETY. REMOVE BARRICADES WHEN WORK IS NO LONGER REQUIRED.
10. REMOVE DEBRIS, RUBBISH, AND OTHER SUBSTANCES FROM SITE. LEGALLY TRANSPORT AND DISPOSE OF SUCH MATERIALS OFF-SITE. BURNING OR BURNING "TO BE" TO REMOVE MATERIALS ON THE PROJECT SITE IS FORBIDDEN.
11. COOPERATE WITH THE APPLICABLE CITY OR OTHER GOVERNMENT OFFICIALS AND INSPECTORS AT ALL TIMES. IF SUCH OFFICIAL OR INSPECTOR DEMANDS SPECIAL INSPECTION NECESSARY, PROVIDE ALL ASSISTANCE AND FACILITIES THAT WILL EXPEDITE HIS INSPECTION.
12. ALL DETAILS OF CONSTRUCTION SHALL CONFORM WITH THE APPLICABLE CODES (SEE PROJECT INFORMATION ON COVER SHEET)
13. PROVIDE HIGH SECURITY SURFACE MOUNTED BOX W/ TAMPER SWITCH FIRE PROTECTED KEY BOX AT THE ENTRANCE. THREE COMPLETE SETS OF KEYS MUST BE PROVIDED. KEYS MUST BE PROVIDED FOR ALL ROOMS CONTAINING FIRE AND LIFE SAFETY SYSTEM CONTROLS. PRIOR TO INSTALLATION VERIFY EXACT LOCATION AND EXACT TYPE OF BOX REQUIRED WITH LOCAL AUTHORITY HAVING JURISDICTION.
14. MOUNT FIRE EXTINGUISHERS LISTED IN SPECIFICATIONS AT LOCATIONS SHOWN AND/OR DIRECTED BY FIRE DEPARTMENT CODE OFFICIAL HAVING JURISDICTION.
15. INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDED SPECIFICATIONS, UNLESS OTHERWISE INDICATED OR OTHERWISE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE. ALL MANUFACTURED ITEMS AND EQUIPMENT SHALL BE IN STRICT ACCORDANCE, AS A MINIMUM STANDARD, WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEHAVING WITH THE PERFORMANCE OF THE WORK.
16. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE SUBMITTALS, MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO AFFECT ALL INSTALLATIONS INDICATED ON THE DRAWINGS. THE WORK SHALL ALSO INCLUDE ALL MATERIALS, DETAIL, AND LABOR NECESSARY FOR THE SUCCESSFUL INSTALLATION OF THE WORK DESCRIBED HEREIN.
17. ALL DIMENSIONS ARE TO FACE OF CONC. BLOCK, CONC. PANEL, FACE OF EXISTING FINISH, OR FACE OF NEW STUD, UNLESS OTHERWISE NOTED. "CLEAR" DENOTES FINISH TO FINISH DIMENSIONS.
18. CONTRACTOR IS TO COORDINATE THE BUILDING PLANS WITH THE CIVIL AND SURVEY DRAWINGS FOR EXACT ELEVATIONS AND SLOPES OF EXTERIOR GRADES FOR INSTALLATION OF NEW EXTERIOR STAIRS, RAMPS AND SIDEWALKS. CONTRACTOR TO FIELD VERIFY EXTERIOR GRADES AT BUILDING ENTRANCES TO ALIGN WITH FINISHED FLOOR ELEVATIONS AND NEW STAIR/RAMP ELEVATIONS. GRADING AT BUILDING PERIMETER TO SLOPE AWAY FROM BUILDING MIN. 1/4" PER FOOT.
19. ALL GRADES, LINES, LEVELS, AND DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. ANY ERROR OR INCONSISTENCY SHALL BE REPORTED TO THE ARCHITECT FOR INSTRUCTIONS PRIOR TO START OF CONSTRUCTION.
20. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR POSSIBLE CONFLICTS.
21. CONTRACTOR IS TO FIELD VERIFY LOCATIONS AND RUNS OF ALL NEW AND EXISTING STORM SEWER PIPING AND ROOT TIE INS. REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO START OF CONSTRUCTION.
22. DO NOT INTERRUPT EXISTING UTILITIES IN OCCUPIED FACILITIES UNLESS AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. IF INTERRUPTION IS ALLOWED, PROVIDE ALTERNATE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES 48 HOURS PRIOR TO ANY DEMOLITION WORK.
23. CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK. JOIN MATERIALS TO UNIFORM ACCURATE FITS SO THEY MEET WITH NEAT, STRAIGHT LINES. FREE OF SEAMERS OR OVERLAPS. INSTALLED EXPOSED MATERIALS SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES WITH ADJOINING MATERIALS. WORK OF EACH TRADE SHALL MEET ALL NATIONAL STANDARDS PUBLISHED BY THAT TRADE.
24. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK THE CONTRACTOR SHALL FIELD ALL MEASUREMENTS AND SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS. ANY DIFFERENCES BETWEEN DIMENSIONS INDICATED ON THE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR INSTRUCTIONS AND CONSIDERATIONS BEFORE PROCEEDING WITH THE WORK.
25. FURNISH AND INSTALL ALL REQUIRED BACKING FOR ALL SHELVES, CABINETS, FIXTURES, HANDRAILS AND EQUIPMENT. COORDINATING WITH OWNER AND CONTRACTOR FOR EXACT SIZE, NUMBER, AND LOCATION PRIOR TO START OF WORK. ALL SHELVES, CABINETS, FIXTURES, HANDRAILS, AND EQUIPMENT SHALL BE NUMBERED AND Labeled TO MATCH ALL WOOD BLOCKING, NAILERS, ETC. MUST BE FIRE RETARDANT TREATED.
26. GLAZING IN DOORS AND ADJACENT PANELS MUST BE TEMPERED. RESPONSIBILITY OF GLAZING SUBCONTRACTOR TO VERIFY & PLACE TEMPERED GLASS AS REQUIRED BY THE LOCAL BUILDING CODE & INSPECTOR.
27. SPOULETS, LEVERES FOR WHEELCHAIR ACCESSIBLE DRINKING FOUNTAINS SHALL BE 36" MAX A.F.F. AND FOR STANDING PERSONS SHALL BE 36" MIN A.F.F. AND 42" MAX A.F.F.
28. PROVIDE WATER RESISTANT & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS.
29. FILL ALL C.M.U. CELLS BELOW FINISH GRADE OR FINISHED GRADE, WHICHEVER IS HIGHER SHALL BE SOLID GROUTED.
30. PROVIDE ADJOA COMPLANT SIGNAGE AT ALL TOILET AND BATHROOMS. APPROPRIATELY IDENTIFIED AS 'MEN' AND 'WOMEN'.
31. TOILET ROOMS AND BATHROOMS WALLS SHALL EXTEND FROM FINISH FLOOR TO FLOOR ROOF DECK ABOVE, UNLESS OTHERWISE NOTED IN THESE DOCUMENTS.
32. ALL WALLS WITHIN 24" OF SERVICE SINK, URINAL, AND WATER CLOSET SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF 54" OR LESS THAN 48" IF TILE OR FRP IS NOT SPECIFIED. PROVIDE EPOXY PAINT, COLOR TO BE SELECTED BY ARCHITECT.
33. ALL WALL BASE IN TOILET ROOMS, BATHROOMS AND KITCHENS SHALL BE COVERED AND EXTEND UPWARD ONTO THE WALL A MIN. 6" A.F.F.









1. EXISTING PARTITION WALL TO BE REMOVED.
2. EXISTING DOOR AND FRAME TO BE REMOVED.
3. EXISTING WINDOW UNIT TO BE REMOVED.
4. PORTION OF EXISTING WALL TO BE REMOVED TO ALLOW FOR NEW DOOR/ WINDOW OPENING.
5. EXISTING GYP. CD CEILING, ALUMINUM SLAT SOFFIT, AND/OR ACoustICAL CEILING TILE AND GRID TO BE REMOVED.
6. EXISTING LIGHT FIXTURES IN THIS AREA TO BE REMOVED.
7. EXISTING FLOOR FINISH TO BE REMOVED IN THIS AREA.
8. EXISTING MILLWORK TO BE REMOVED.
9. EXISTING STOREFRONT TO BE REMOVED.
10. EXISTING HVAC REGISTERS AND/OR DIFFUSERS TO BE REMOVED.
11. EXISTING SPRINKLER HEADS TO BE REMOVED.
12. EXISTING EXHAUST FANS TO BE REMOVED.
13. EXISTING MEZZANINE STAIRS TO REMAIN.
14. EXISTING STEEL COLUMN TO BE REMOVED.
15. EXISTING FIRE RATED WALL TO REMAIN.
16. EXIST ANCHOR BARRIER & POSTS TO BE SAVED FOR FUTURE USE.
17. EXIST MECHANICAL UNITS TO BE REMOVED.
18. EXIST MECHANICAL AIR HANDLER TO BE REMOVED.
19. EXIST STEEL PIPE BOLLARDS TO BE REMOVED.
20. EXIST STEEL FRAMED PLATFORM TO BE REMOVED.
21. EXIST MANSARD PARAPET AND FRAMING AND SOFFIT TO BE REMOVED.
22. EXIST CONCRETE SLAB TO BE REMOVED.
23. EXIST CONCRETE RAMP AND GAUPRADA TO BE REMOVED.

1. ALL DEMOLITION WORK REQUIRED TO REMOVE EXISTING WALLS, PAYING, FOUNDATIONS, SLABS, DOORS AND WINDOWS, ETC. INDICATED AND AS SHOWN ON THE DRAWINGS AND ANY OTHER NECESSARY ITEMS TO INSTALL THE NEW WORK.

2. CONTRACTORS SUBMITTING PROPOSALS SHALL DETERMINE THE QUANTITIES OF DEMOLITION WORK REQUIRED BY PERSONAL INSPECTION OF THE WORK AND THE MATERIALS TO BE REMOVED.

3. MAINTAIN TEMPORARY BARRICADES FOR THE PROTECTION OF JOB PERSONNEL AND THE PUBLIC. REMOVE/BARRICADES WHEN NO LONGER REQUIRED.

4. AVOID ANY POTENTIAL DAMAGES CAUSED BY DEMOLITION WORK AT NO COST TO THE OWNER.

5. CONDUCT OPERATIONS IN SUCH A MANNER AS TO MINIMIZE INTERFERENCE WITH USE OF PUBLIC WAYS AND ADJACENT USES OF FACILITIES. DO NOT CLOSE, BLOCK OR OTHERWISE OBSTRUCT USE OF PUBLIC WAYS OR FACILITIES WITHOUT WRITTEN CONSENT OF AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES TO CLOSED OR OBSTRUCTED FACILITIES AS REQUIRED BY LOCAL, STATE OR FEDERAL AGENCIES.

6. THE USE OF EXPLOSIVES IS NOT REQUIRED BY THE SCOPE OF WORK AND IS STRICTLY PROHIBITED.

7. EXISTING UTILITIES INDICATED TO REMAIN SHALL BE KEPT IN SERVICE AND PROTECTED FROM DAMAGE DURING DEMOLITION OPERATIONS.

8. DO NOT INTERRUPT EXISTING UTILITIES USED FOR OCCUPIED FACILITIES UNLESS AUTHORIZED IN WRITING BY AUTHORITIES WHO HAVE JURISDICTION. IF INTERRUPTION IS ALLOWED, PROVIDE ALTERNATE TEMPORARY SERVICES ACCEPTABLE TO PERSONS AUTHORIZED TO USE THE FACILITIES.

9. TO THE GREATEST EXTENT PRACTICABLE, LIMIT THE SPREAD OF DUST AND DIRT THROUGH THE USE OF WATER SPRINKLING, ENCLOSURES, AND OTHER SUITABLE METHODS. COMPLY WITH GOVERNING REGULATIONS WITH RESPECT TO ENVIRONMENTAL PROTECTION.

10. REMOVED MATERIALS, INCLUDING CONCRETE, STONES, THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, ANTIQUES, AND OTHER ARTICLES OF HISTORIC SIGNIFICANCE SHALL REMAIN THE PROPERTY OF THE OWNER. NOTIFY OWNER'S REPRESENTATIVES IF SUCH ARTICLES ARE ENCOUNTERED. OBTAIN APPROPRIATE REGARDING METHOD OF REMOVAL. SCHEDULE WITH THE OWNER FOR REMOVAL OF SUCH ARTICLES.

11. REMOVE DEBRIS, RUBBISH AND OTHER SUBSTANCES FROM SITE. LEGALLY TRANSPORT AND DISPOSE OF SUCH MATERIALS OFF-SITE.

12. BURNING OF TO BE REMOVED MATERIALS ON THE PROJECT SITE IS PROHIBITED.

13. HAZARDOUS MATERIALS ARE ENCOUNTERED, COMPLY WITH APPLICABLE REGULATIONS IN HANDLING, REMOVING, AND PROTECTING AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.

14. BURNING OF REMOVED MATERIALS ON THE PROJECT SITE IS PROHIBITED.

15. DEMOLITION WORK SHALL BE AVAILABLE FOR DEMOLITION UPON AWARD OF CONTRACT.

16. AVAILABILITY FOR DEMOLITION MUST BE CONFIRMED BY OWNER 48 HOURS PRIOR TO DEMOLITION.

17. CONTRACTORS SHALL COORDINATE WITH ALL UTILITY COMPANIES 48 HOURS PRIOR TO DEMOLITION WORK.

18. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS NECESSARY, INCLUDING THE PLACEMENT OF TEMPORARY SHORING TO SUPPORT THE BUILDING STRUCTURE IF NECESSARY UNTIL NEW SUPPORTING CONSTRUCTION IS IN PLACE.

19. G.C. IS TO COORDINATE WITH OWNER'S REPRESENTATIVE ON ALL THE REMOVAL, REPLACEMENT AND/OR REUSE OF ANY EXISTING EQUIPMENT AND FIXTURES BEFORE DEMOLITION.

20. WHERE EXISTING WALLS, DOORS, WINDOWS, FLOORS, ETC. ARE TO BE REMOVED, THE CONTRACTOR SHALL REPAIR, LEVEL AND SMOOTH THE WALL SURFACES RELEVANT TO RECEIVE NEW FINISHES.

21. EXERCISE EXTREME CAUTION WHEN PERFORMING DEMOLITION TO PREVENT THE SPREAD OF DUST AND DEBRIS AND TO PROTECT EXISTING MATERIALS AND FINISHES FROM DAMAGE.

22. CONTRACTOR TO REMOVE ANY AND ALL EXISTING TRAIL, WALL COVERING, INSULATION AND ANY OTHER ITEMS NOT NOTED TO BE DEMOLISHED, PRIOR TO NEW CONSTRUCTION, VERIFY WINNER AND ARCHITECT PRIOR TO BIDDING AND PRIOR TO DEMOLITION FOR ALL ITEMS TO BE REMOVED.

23. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND FOR ASSESSING WHAT CONSTRUCTION MAY BE ACCOMPLISHED BY THE CONTRACTOR.

24. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL DRAWING AND SPECIFICATIONS. CONTRACTOR SHALL OBTAIN ALL MATERIALS, DETAIL AND LABOR NECESSARY FOR THE SUCCESSFUL INSTALLATION OF THE WORK DESCRIBED HEREIN.

25. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS. ANY DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR INSTRUCTIONS AND CONSIDERATION BEFORE PROCEEDING WITH THE WORK.

26. ALL GRADES, LINES, LEVELS AND DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. ANY ERROR OR INCONSISTENCY SHALL BE REPORTED TO THE ARCHITECT FOR INSTRUCTIONS PRIOR TO START OF CONSTRUCTION.

27. COOPERATE WITH THE APPLICABLE CITY OR OTHER GOVERNMENT OFFICIALS AND INSPECTORS AT ALL TIMES. IF SUCH OFFICIAL OR INSPECTOR DEMANDS SPECIAL INSPECTIONS NECESSARY, PROVIDE ALL ASSISTANCE AND FACILITIES THAT WILL EXPEDITE HIS INSPECTION.

28. COOPERATE WITH THE APPLICABLE CITY OR OTHER GOVERNMENT OFFICIALS AND INSPECTORS AT ALL TIMES. IF SUCH OFFICIAL OR INSPECTOR DEMANDS SPECIAL INSPECTIONS NECESSARY, PROVIDE ALL ASSISTANCE AND FACILITIES THAT WILL EXPEDITE HIS INSPECTION.

29. ALL MATERIALS, MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS' RECOMMENDED SPECIFICATIONS, UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

30. WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE, AS A MINIMUM STANDARD, WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN TELEPHONE (W/FAX), TOILET, WATER AND ELECTRICITY, FOR ALL PROJECT FUNCTIONS.

32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES, OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES MUST BE REMOVED AT COMPLETION OF THE PROJECT.

33. THE CONTRACTOR SHALL LIMIT THE NOISES AND EXPOSURE OF WORKERS AND EQUIPMENT TO THE CONSTRUCTION SITE TO AUTHORIZED PERSONS ONLY. DANGER TO EXISTING INTERIOR OR EXTERIOR CONSTRUCTION SHALL BE REPAIRED TO "LIKE NEW" CONDITIONS UNDER THIS CONTRACT.

34. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK MATERIALS, APPARATUS AND FIXTURES FOR INJURY OR DAMAGE. AT THE END OF THE DAY'S WORK, ALL NEW WORK LAYED TO BE PROTECTED SHALL BE COVERED BY OTHERWISE PROTECTED MATERIALS.

35. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES, AND SAFETY.

36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING NEW CONSTRUCTION AS INDICATED.

37. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING HIS BEST SKILL AND JUDGMENT. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

38. DETAILS ARE INTENDED TO SHOW END RESULT DESIGNS. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

39. CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK. JOIN MATERIALS TO UNIFORMLY LEVEL FINISHES TO THEY MEET WITH NEAT, STRAIGHT LINES, FREE OF SINGLES OR BURRS, INSTALLED TO SPECIFIED GRADES, PLUMB AND IN AT THE ACCURATE RIGHT ANGLES, OR FLUSH WITH ADJOINING MATERIALS. WORK OF EACH TRADE SHALL MEET ALL NATIONAL STANDARDS PUBLISHED BY THAT TRADE.

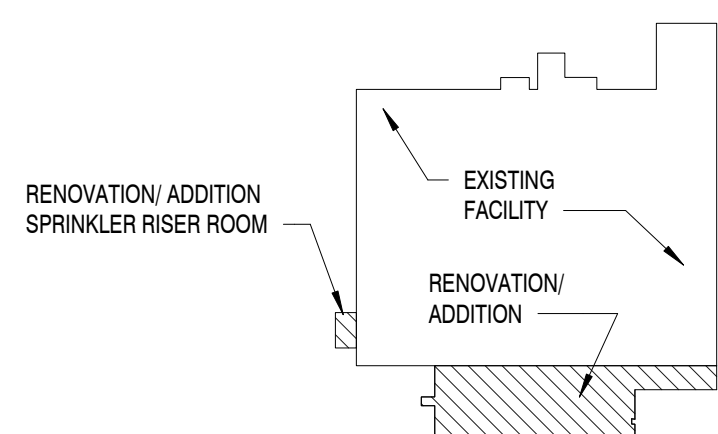
40. GENERAL CONTRACTOR SHALL PROVIDE THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS ANNOTATED WITH THE LATEST REVISIONS AND CLARIFICATIONS FOR THE USE BY ALL.

41. THE DRAWINGS, SPECIFICATIONS AND GENERAL NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY WILL BE BINDING AS IT CALLED FOR BY ALL. WORK SHOWN OR REFERRED TO ON ANY DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DRAWINGS, WHEN THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, GENERAL CONTRACTOR SHALL PROVIDE THE GREATER QUALITY AND HIGHEST QUALITY OF WORK INDICATED.

42. THE ARCHITECT HAS MADE EVERY EFFORT TO SET FORTH IN THE CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR IS NEVERTHELESS CAUTIONED THAT OVERLAPLAPS AND DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL NOT EXCUSE HIM FROM PROVIDING A COMPLETE FACILITY AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. IN THE EVENT OF DISCREPANCIES, CONTRACTOR SHALL PRICE THE MORE EXPENSIVE OF THE TWO DISCREPANCIES, UNLESS DIRECTED OTHERWISE.

43. GENERAL CONTRACTOR SHALL SCHEDULE AND CONTROL DEMOLITION OF ALL EXISTING ISSUES OR MATERIALS, TO COINCIDE WITH CONSTRUCTION SCHEDULE. CONTRACTOR TO VERIFY OWNERS PRIOR TO AND DURING BIDDING AND CONSTRUCTION FOR DEMOLITION OF ALL ITEMS AND COORDINATION OF DEMOLITION OR ITEMS.

44. ALL EFFORTS ARE BEING MADE TO PREVENT THE WORK FROM BEING DEMOLISHED PRIOR TO DURING CONSTRUCTION. GENERAL CONTRACTOR TO PROVIDE A LIST OF ALL ITEMS TO BE DEMOLISHED AND TO COORDINATE WITH A MEETING BETWEEN THE OWNER, ARCHITECT AND CONTRACTOR TO VERIFY ANY AND ALL ADDITIONAL ITEMS TO BE REMOVED. VERIFY ANY CONSTRUCTION OF NEW WALLS, MILLWORK OR NEW CONSTRUCTION ITEMS AND COORDINATE INSTALLATION AROUND EXISTING BUILDING CONSTRUCTION.



## SCALE: N.T.S.



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## INTERIOR WALL TYPES LEGEND

BOTTOM OF STRUCTURE

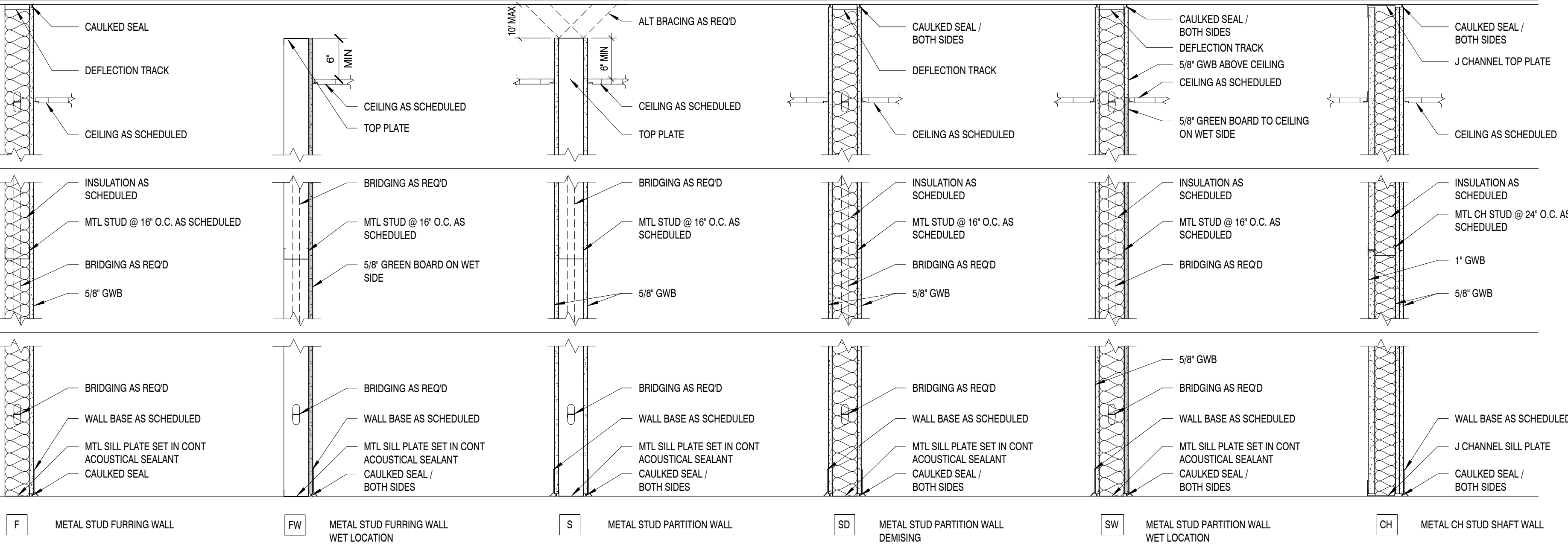
HEAD

PLAN

SILL

FLOOR AS SCHEDULED

WALL TYPE ID



## WALL TYPE NOTES:

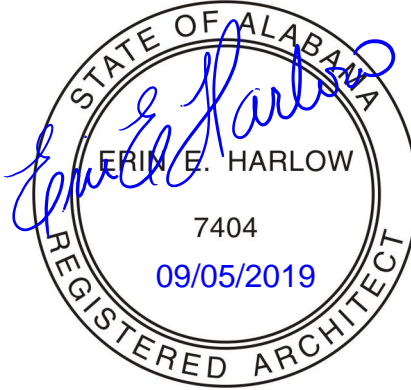
WALL TYPE TAG		WALL TYPE ID								
WALL TYPE ID	CORE THICKNESS	S = METAL STUD CH = METAL CH STUD	M = MASONRY / CMU C = CONCRETE W = WOOD STUD							
		CORE THICKNESS								
FIRE RATING	ADDITIONAL COMPONENTS	CORE THICKNESS								
		METAL STUD	WOOD STUD							
H = 7/8" HAT CHANNEL		2 = 2x2 STUD	4 = 4" CMU							
1 = 1 5/8" STUD		3 = 2x3 STUD	6 = 6" CMU							
2 = 2 1/2" STUD		4 = 2x4 STUD	8 = 8" CMU							
3 = 3 5/8" STUD		6 = 2x6 STUD	12 = 12" CMU							
4 = 4" STUD		8 = 2x8 STUD								
5 = 5 1/2" STUD		10 = 2x10 STUD								
6 = 6" STUD										
8 = 8" STUD										
10 = 10" STUD										
12 = 12" STUD										
STUD WALL FIRE RATING CONSTRUCTION		MASONRY								
WALL RATING		STUD WALL CONSTRUCTION								
0 = NO FIRE RATING		GWB AS SHOWN								
1 = 1 HOUR FIRE RATING		GWB AS SHOWN								
2 = 2 HOUR FIRE RATING		2 LAYERS GWB EACH SIDE								
3 = 3 HOUR FIRE RATING		3 LAYERS GWB EACH SIDE								
4 = 4 HOUR FIRE RATING		4 LAYERS GWB EACH SIDE								
S = SMOKE BARRIER		GWB AS SHOWN								
WALL TYPE ADDITIONAL COMPONENTS										
ADDITIONAL COMPONENTS GROUP CODE		A	B	C	D	E	F	G	NOTES	
ADD SOUND ATTENUATION BATTS		•								
- STC RATING		45								
ADD RIGID INSULATION										
ADD SPRAYFOAM INSULATION										
PROVIDE LEAD LINED GYPSUM BOARD										
PROVIDE FOIL LINED GYPSUM BOARD										
PROVIDE SECURITY MESH ABOVE CEILING TO STRUCTURE ABOVE										
ADD SMOKE SEAL		•								
NOTES:										
ALL FIRE RATED WALL ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH UL 283										
2. PROVIDE TYPE X GWB WHERE WALLS ARE FIRE RATED										
3. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED AND SEALED IN ACCORDANCE WITH UL 283										
4. PARTITION WALLS ARE UNINSULATED EXCEPT WHERE FIRE RATED OR WHERE NOTED IN THE ADDITIONAL COMPONENTS SCHEDULE										
5. SILL PLATES, TOP PLATES, AND DEFLECTION TRACKS SHALL BE OF SAME SIZE AND GAGE AS STUD										
6. WHERE FURRING WALLS ARE UNINSULATED, GWB MAY STOP A MIN. OF 6" ABOVE CEILING										
7. COORDINATE LOCATIONS OF EXPANSION JOINTS IN MASONRY WALLS WITH STRUCT DWGS										
8. PROVIDE WATER RESISTANT BACKING BOARD ON BOTH SIDES OF WET WALLS WHERE BOTH SIDES ARE WET										
9. PROVIDE WATER RESISTANT BACKING BOARD IN LIEU OF GWB AT THE FOLLOWING LOCATIONS.										
A. WHERE INDICATED BY WALL TYPE										
B. WET LOCATIONS SUCH AS WATER FOUNTAINS, SHOWER STALLS, TUB SURROUNDS										
C. WHERE CERAMIC TILE FINISHES ARE INDICATED. REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION.										
D. WITHIN 2' FEET HORIZONTALLY AND 4' FEET VERTICALLY OF JANITOR / MOP SINKS										
10. WALL TYPES INDICATED ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH PLANS FOR ADDITIONAL INFORMATION.										
11. WATER RESISTANT BACKING BOARD SHALL BE TYPE X AND ON OUTSIDE LAYER WHERE WET WALLS ARE FIRE RATED.										

MBI

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CONSULTANT

SEAL



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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788.04

NOTES

ACTIVE DESIGN PHASE

☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

INTERIOR WALL TYPES  
SHEET NO.:

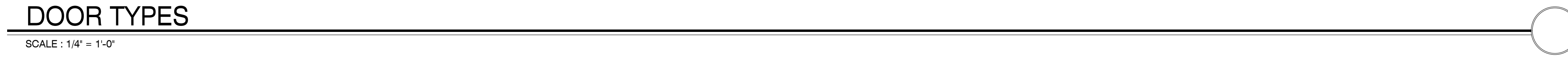
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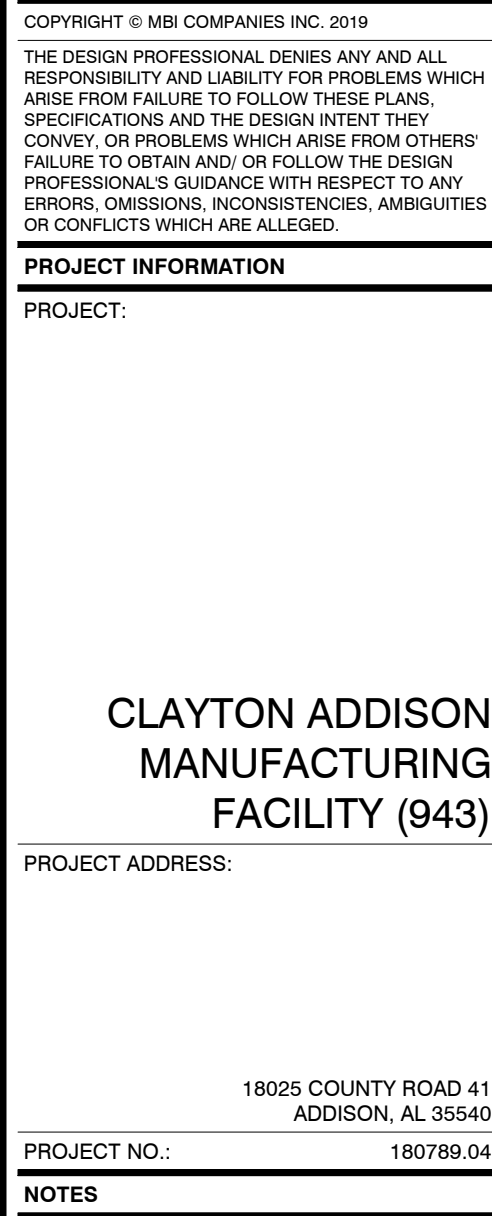


1  
2  
3  
4  
5  
6  
7  
8  
9



1. RATED DOORS ASSEMBLIES MUST HAVE RATED FRAMES, HARDWARE, CLOSERS AND OTHER RATED ACCESSORIES. ANY GLAZING SHALL BE CLEAR AND WIRELESS FIRE RATED GLASS CERAMIC. PERMANENTLY LABEL EACH LITE W/ FIRE RATING LISTED AND LABELED BY UL.
2. CLOSERS AND POSITIVE LATCHING ARE REQUIRED ON FIRE RATED DOORS AND DOORS IN SMOKE TIGHT PARTITIONS.
3. INTERIOR WOOD DOORS TO BE FACTORY FINISH. WOOD SPECIES TO BE ROTARY CUT BIRCH.
4. EXTERIOR HOLLOW METAL DOORS ARE TO BE INSULATED.
5. EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE FACTORY PRIMED AND FIELD PAINTED.
6. COORDINATE MASTER KEYING WITH OWNER.

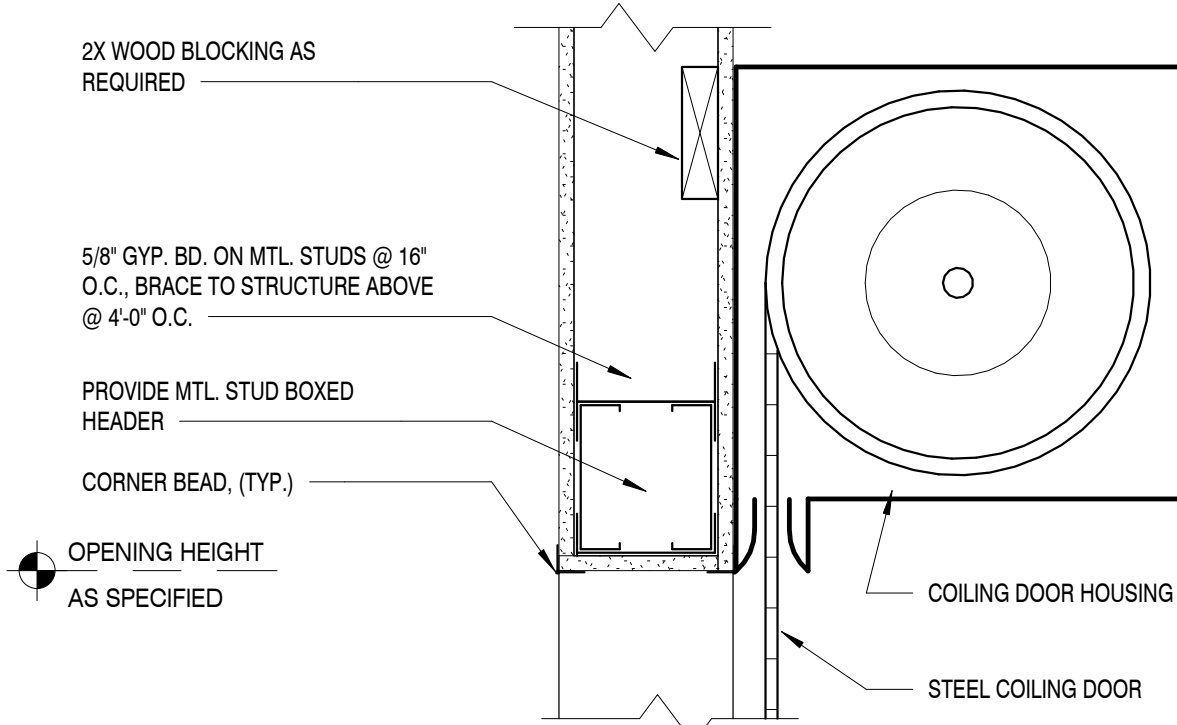
C	1/4" CLEAR GLASS
C-T	1/4" CLEAR GLASS, FULLY TEMPERED
I-T	1/2" THICK INTERIOR BUTT JOINTED GLASS PANELS, CLEAR UNCOATED, FULLY TEMPERED
IG	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES
IG-T	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES, FULLY TEMPERED
IS	1" THICK INSULATED SPANDREL GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES, CERAMIC COATING TO BE ON FORTH SURFACE
IS-T	1" THICK INSULATED SPANDREL GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES, FULLY TEMPERED, CERAMIC COATING TO BE ON FORTH SURFACE
F	5/16" CLEAR AND WIRELESS FIRE-RATED GLASS CERAMIC (20 MIN - 3 HOUR FOR DOORS, 20 MIN - 90 MIN FOR OTHER APPLICATIONS) FIRE RATING LISTED AND LABELED BY UL FOR FIRE RATING SCHEDULED AT OPENING LOCATIONS ON DRAWINGS, WHEN TESTED IN ACCORDANCE WITH ASTM E2074 AND E210, NFPA 282 AND 257, AND UL 9, 10B AND 10C

[illegible]

DOOR SCHEDULE,  
DOOR/FRAME  
ELEVATIONS &  
DETAILS

A201

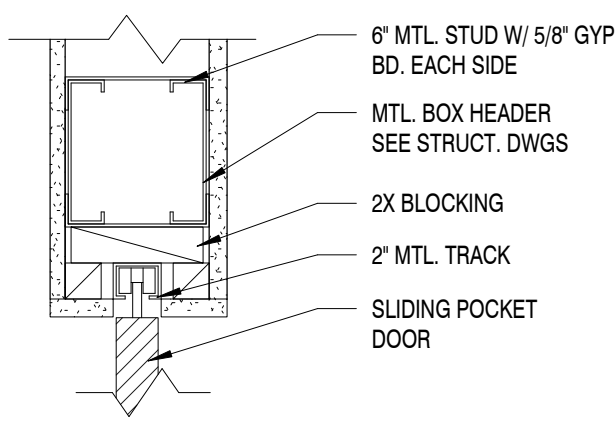




HEAD/JAMB DETAIL

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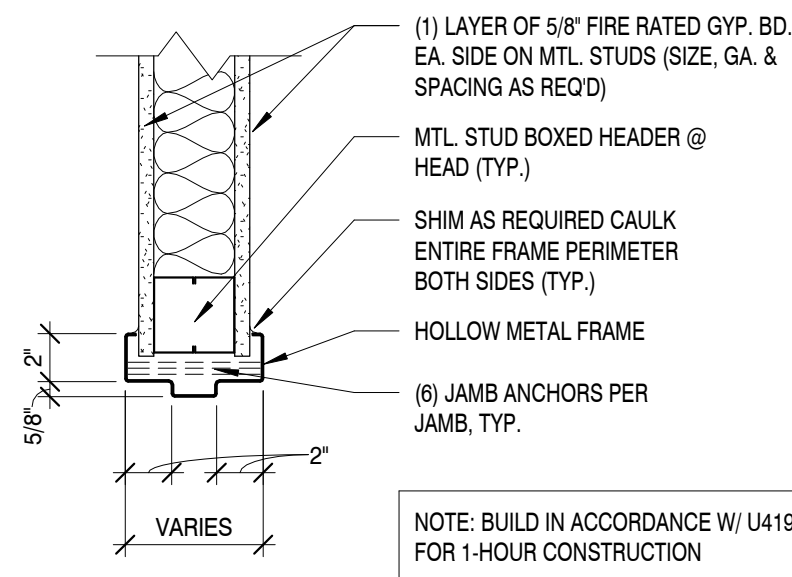
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THRESHOLD DETAIL

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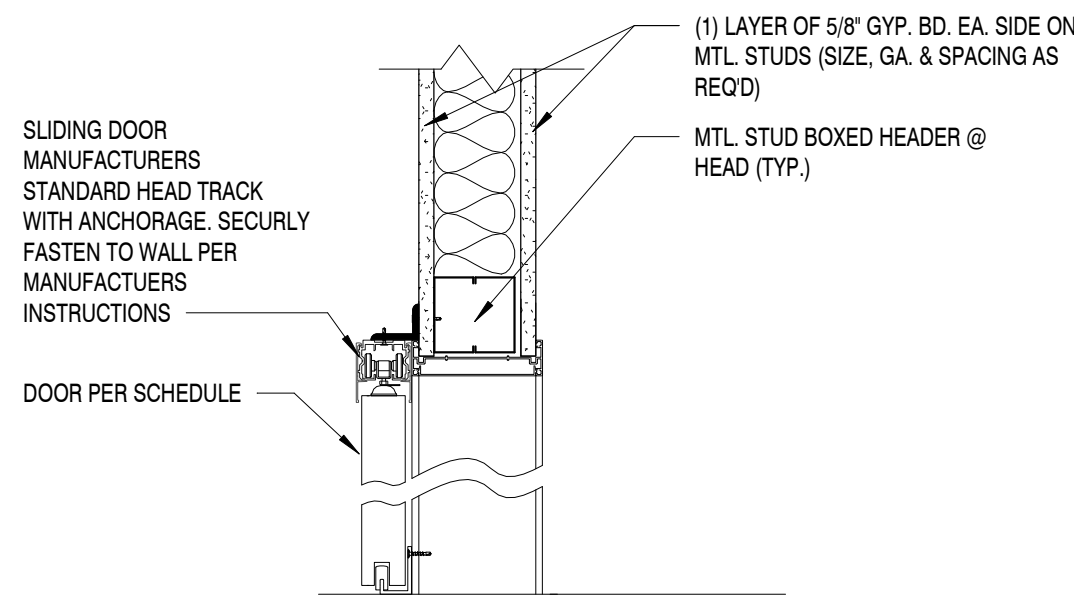
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HEAD/JAMB DETAIL

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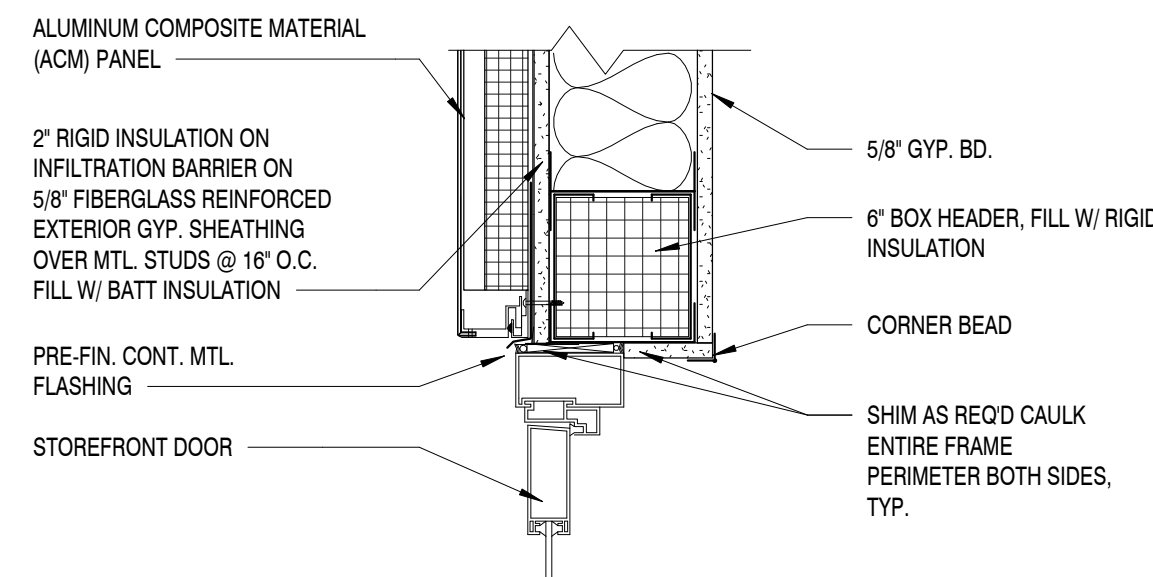
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SLIDING DOOR HEADER

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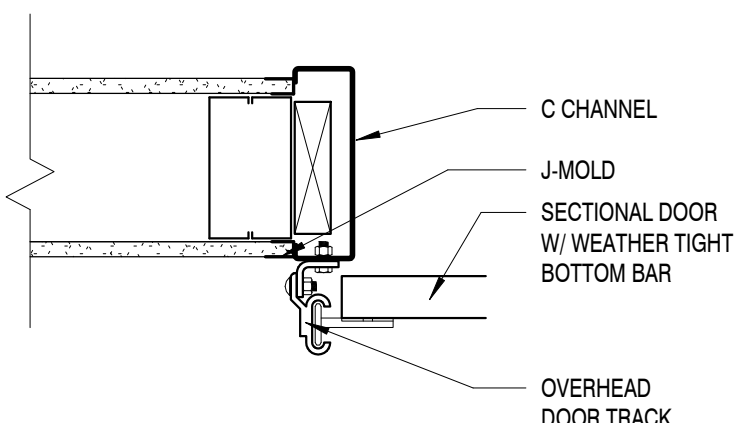
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HEAD DETAIL

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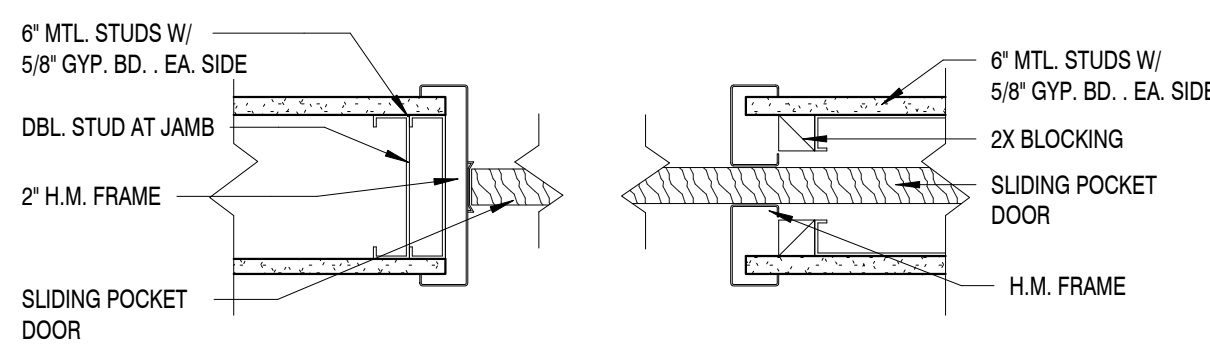
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THRESHOLD DETAIL

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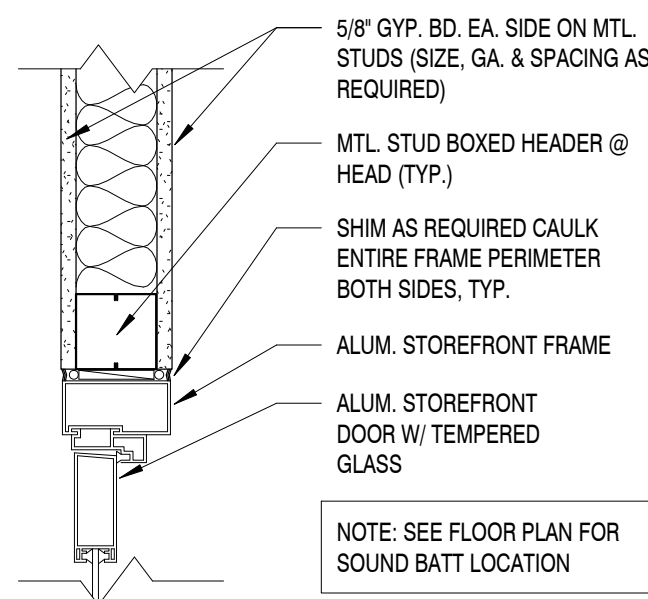
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JAMB DETAIL

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

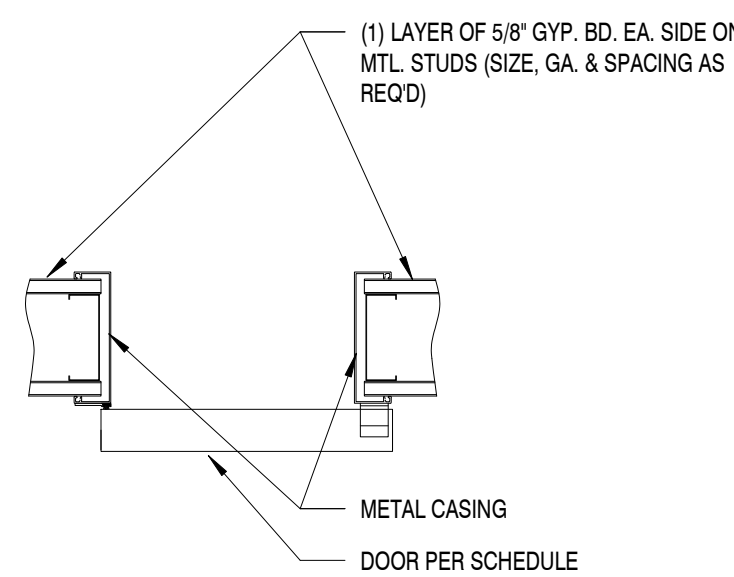
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HEAD/JAMB DETAIL

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

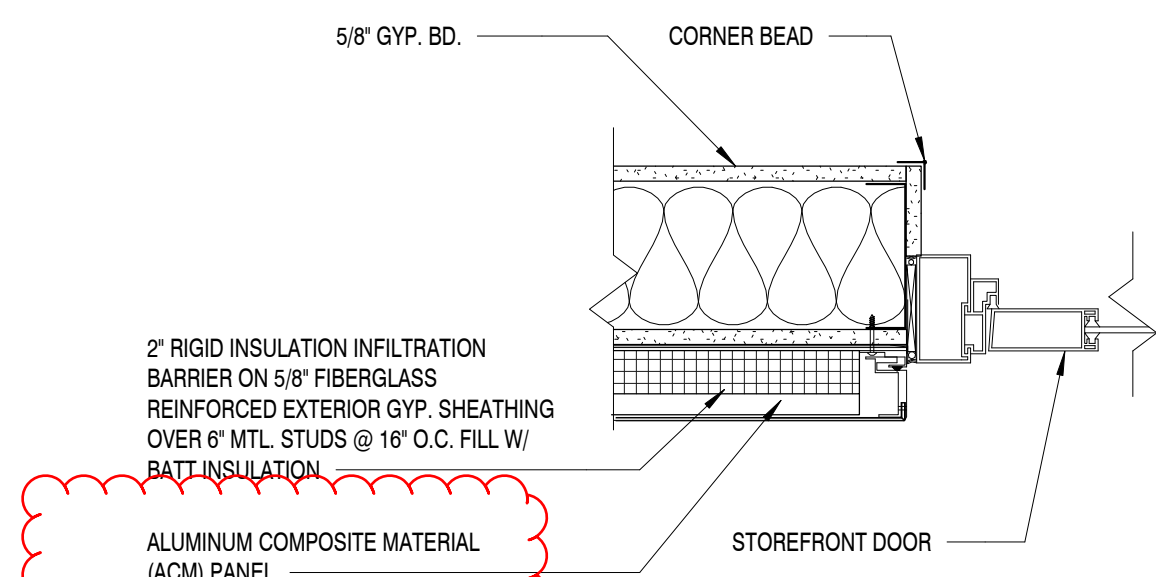
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SLIDING DOOR JAMB

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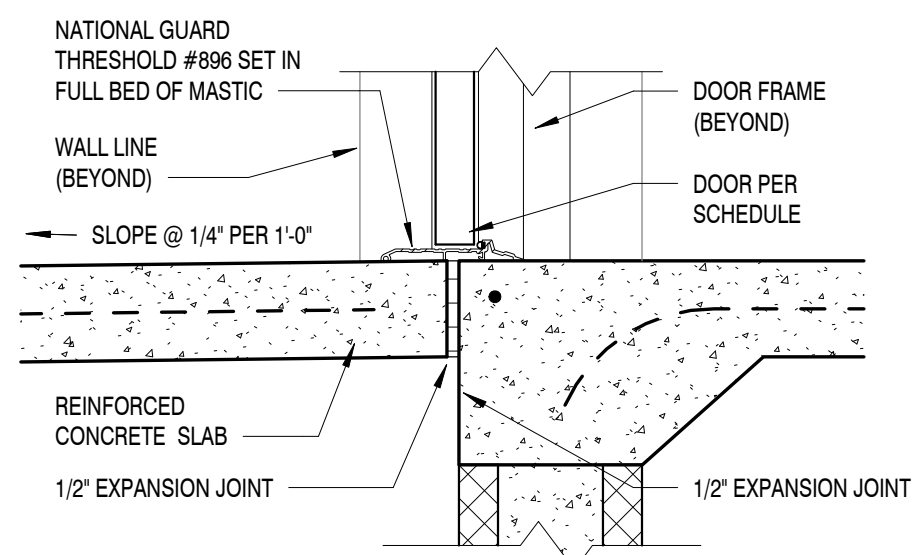
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JAMB DETAIL

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

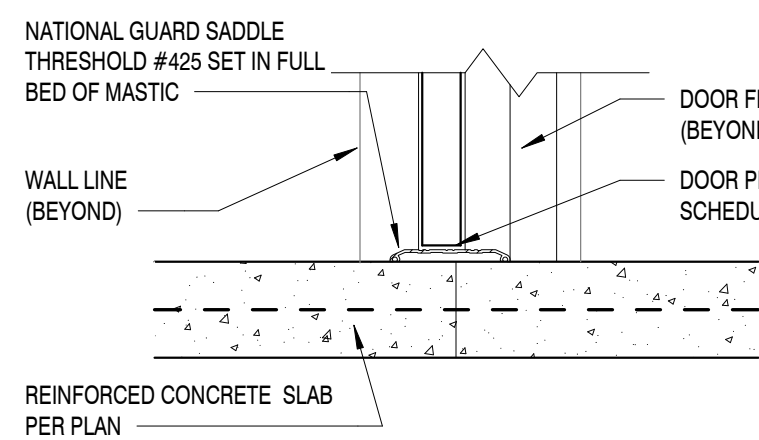
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THRESHOLD DETAIL

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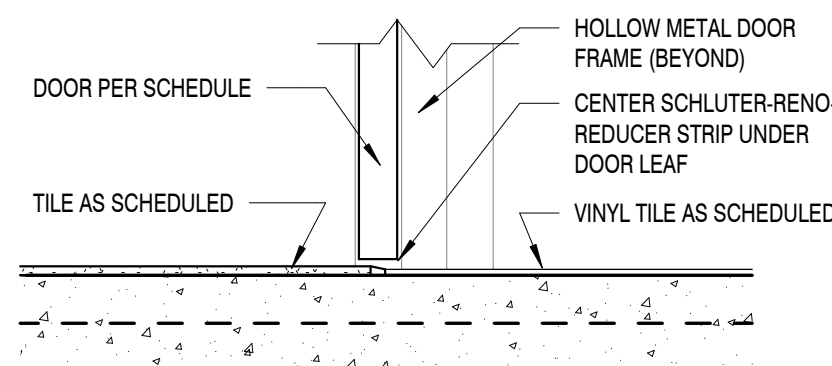
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THRESHOLD DETAIL

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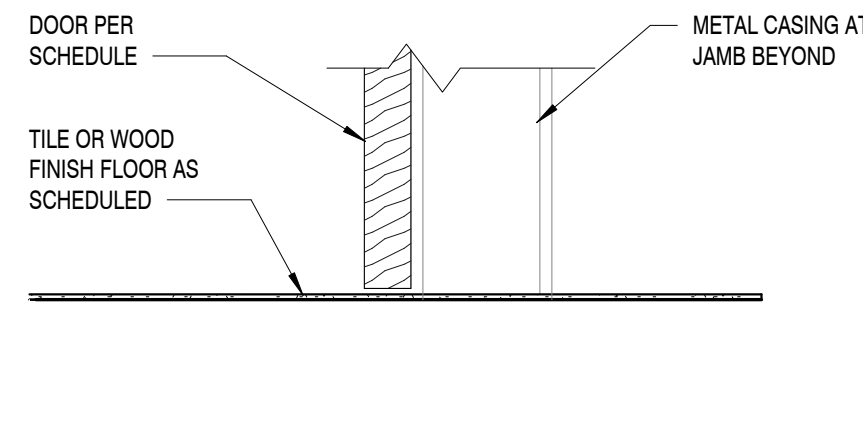
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THRESHOLD DETAIL

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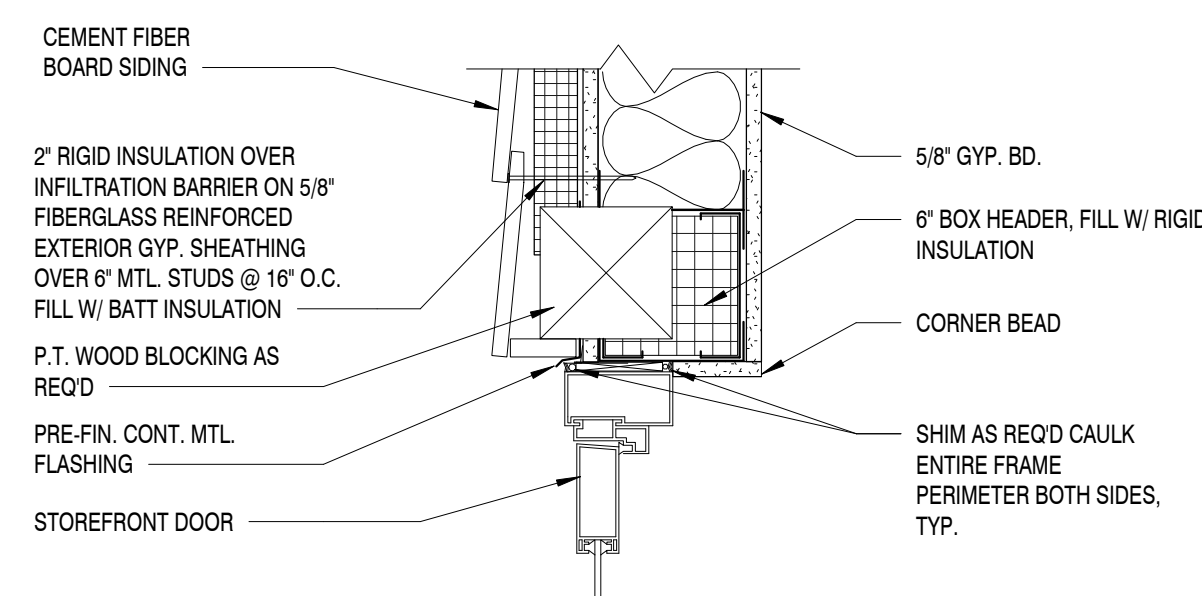
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SLIDING DOOR THRESHOLD

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

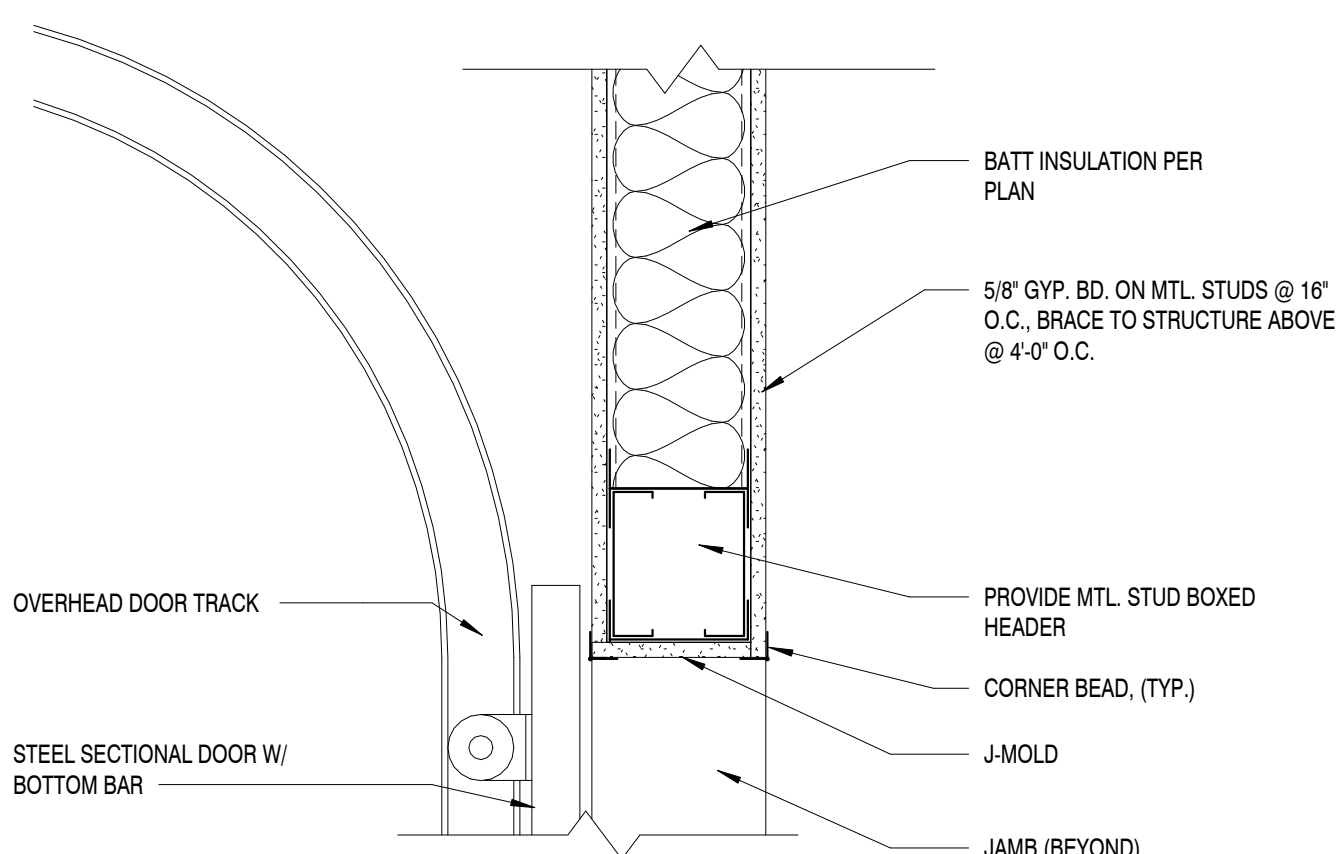
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HEAD DETAIL

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

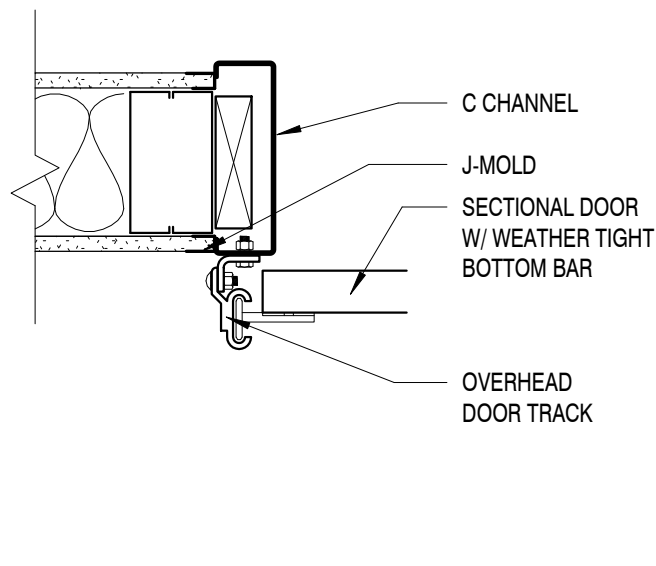
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HEAD DETAIL

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

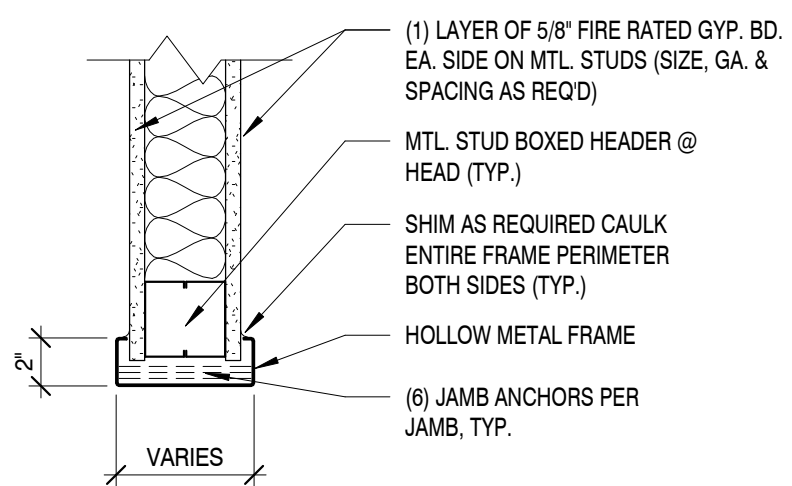
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JAMB DETAIL

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

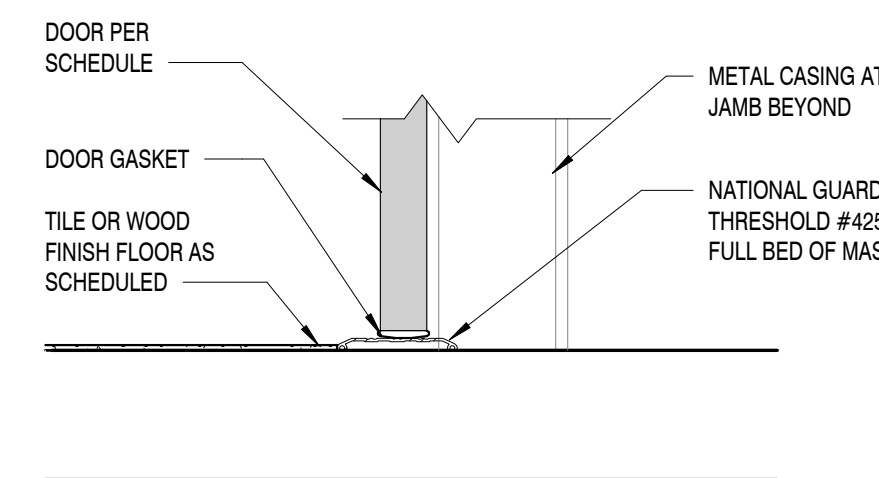
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HEAD/JAMB DETAIL

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

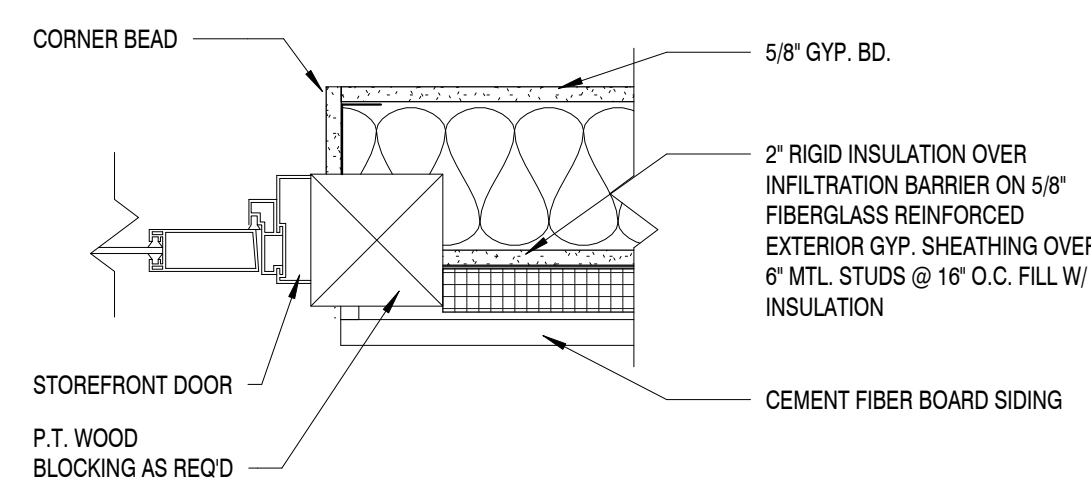
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HEAD/JAMB DETAIL

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

19

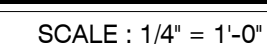
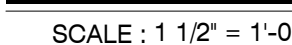
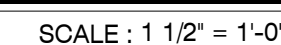
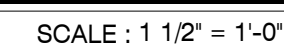
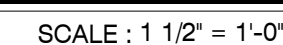
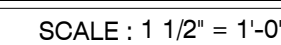
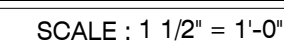
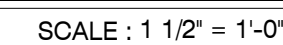


JAMB DETAIL

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

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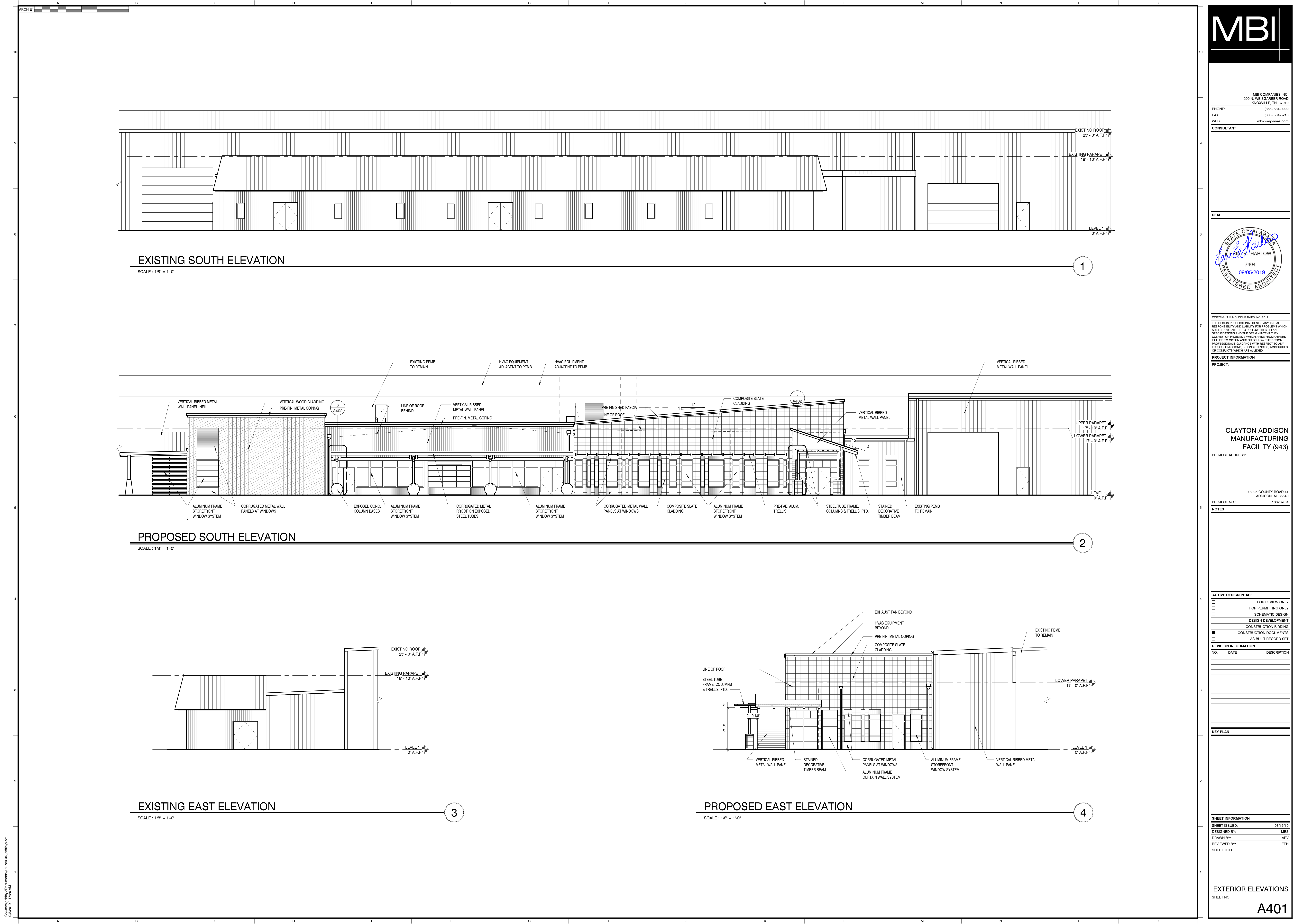












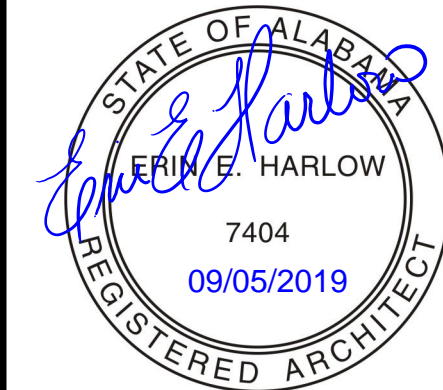
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MBI COMPANIES INC.  
299 N. WEBB LARPER ROAD  
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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

EXTERIOR ELEVATIONS

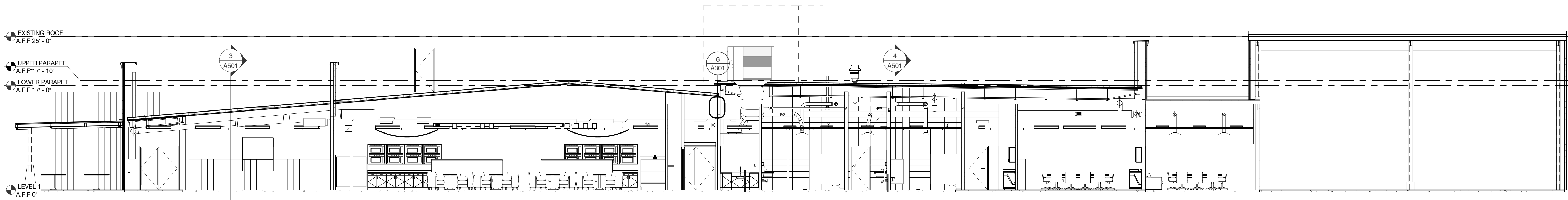
SHEET NO.:

A401





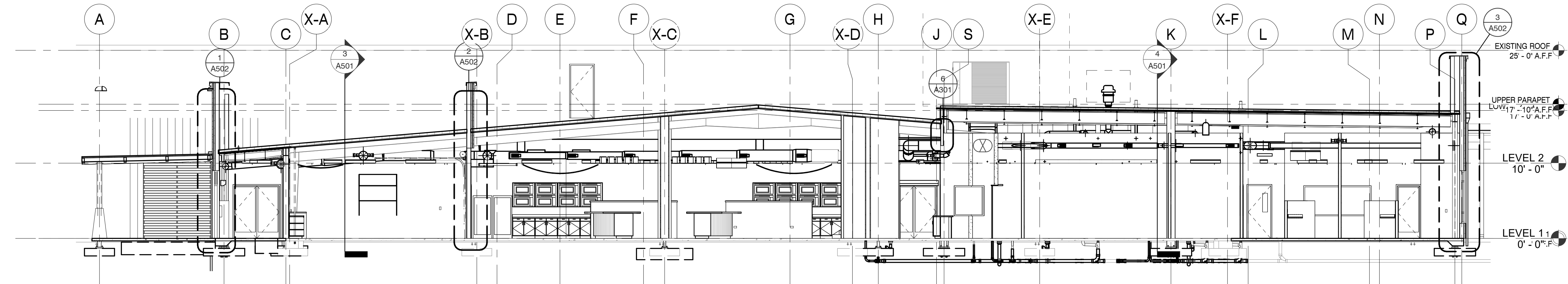




BUILDING SECTION

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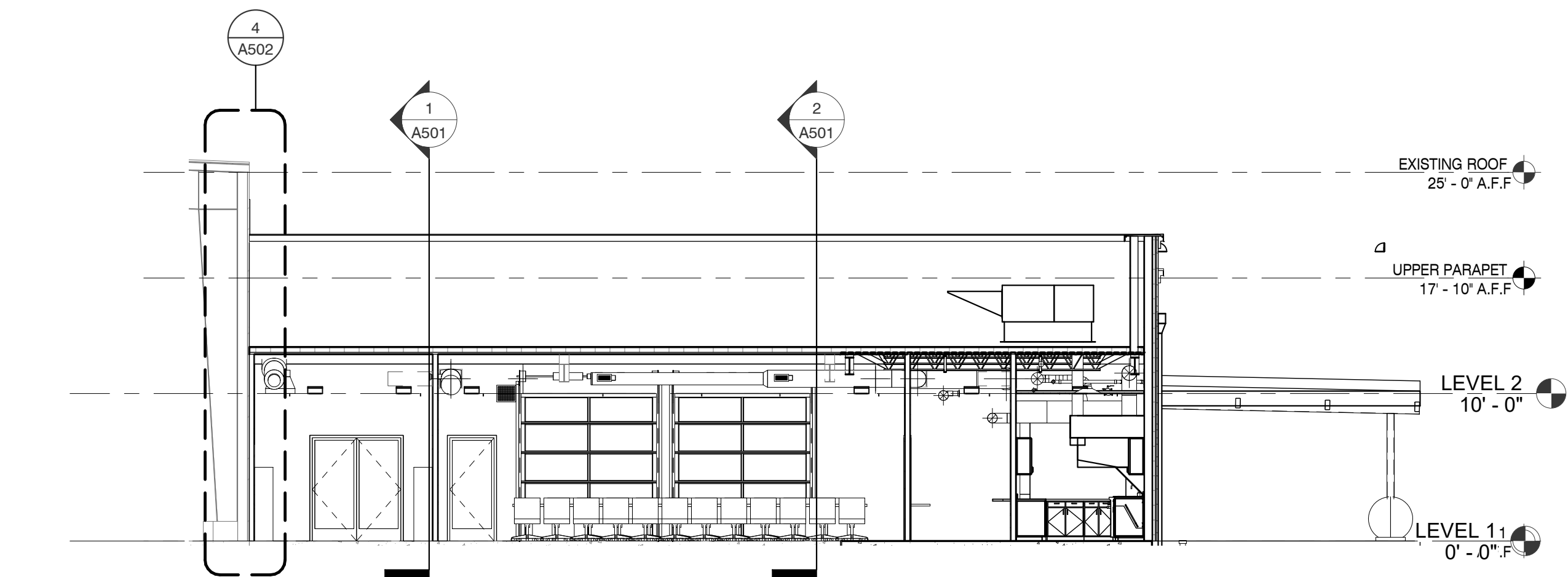
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BUILDING SECTION

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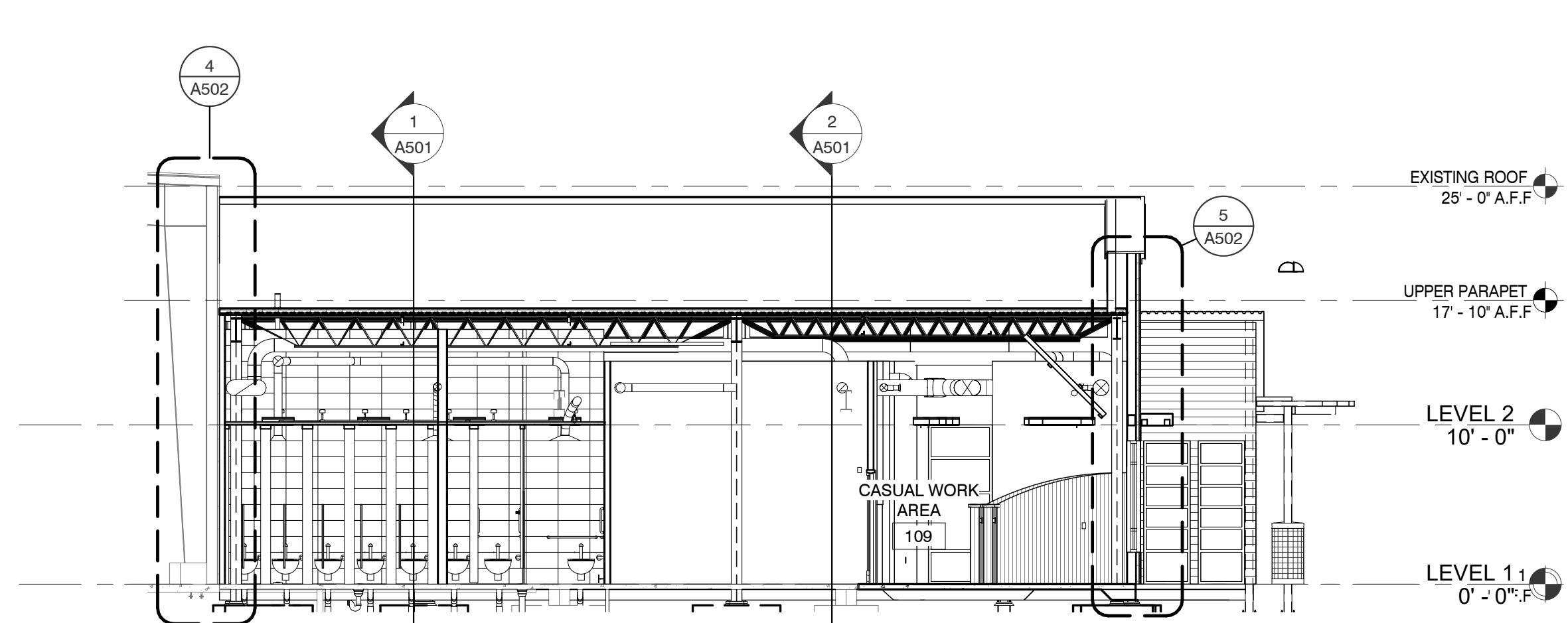
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BUILDING SECTION

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

3



BUILDING SECTION

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

4

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MANUFACTURING  
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PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788.04

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SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

BUILDING SECTIONS

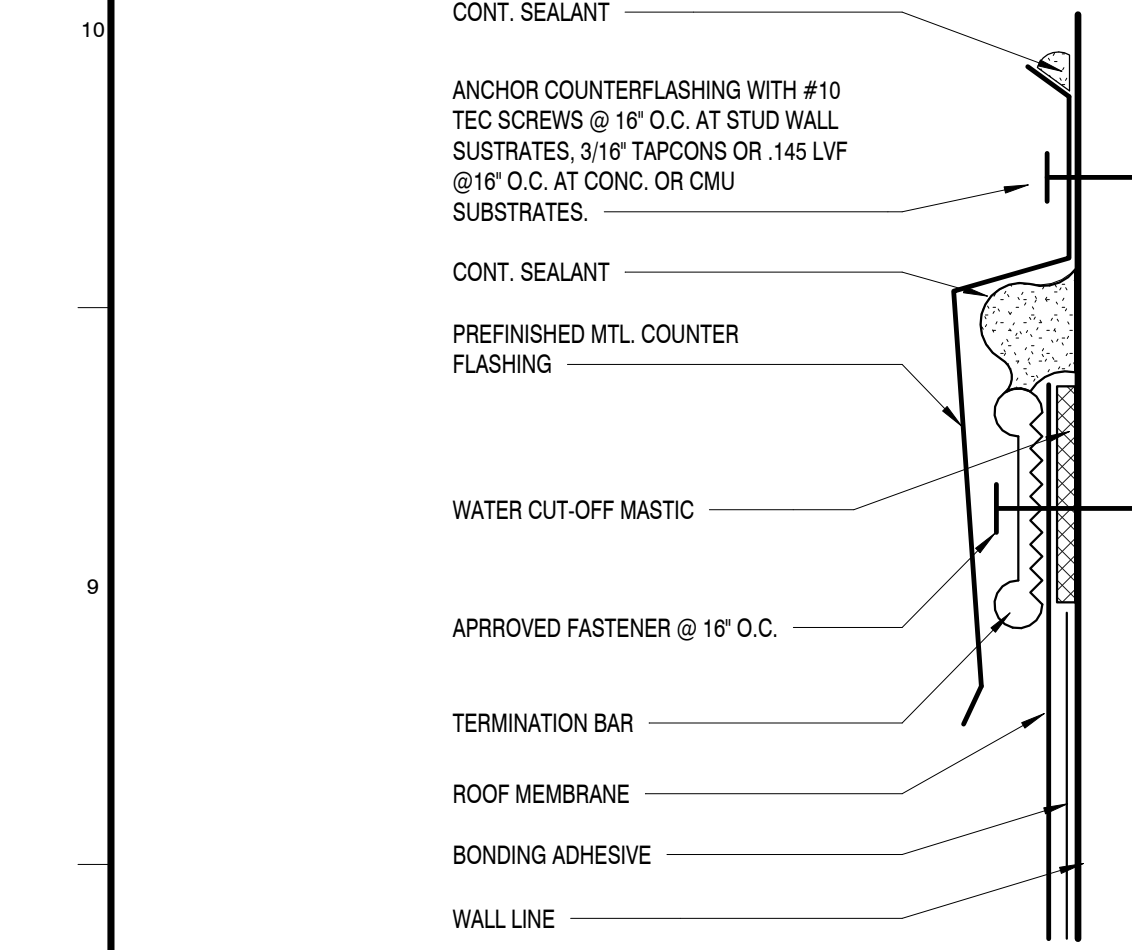
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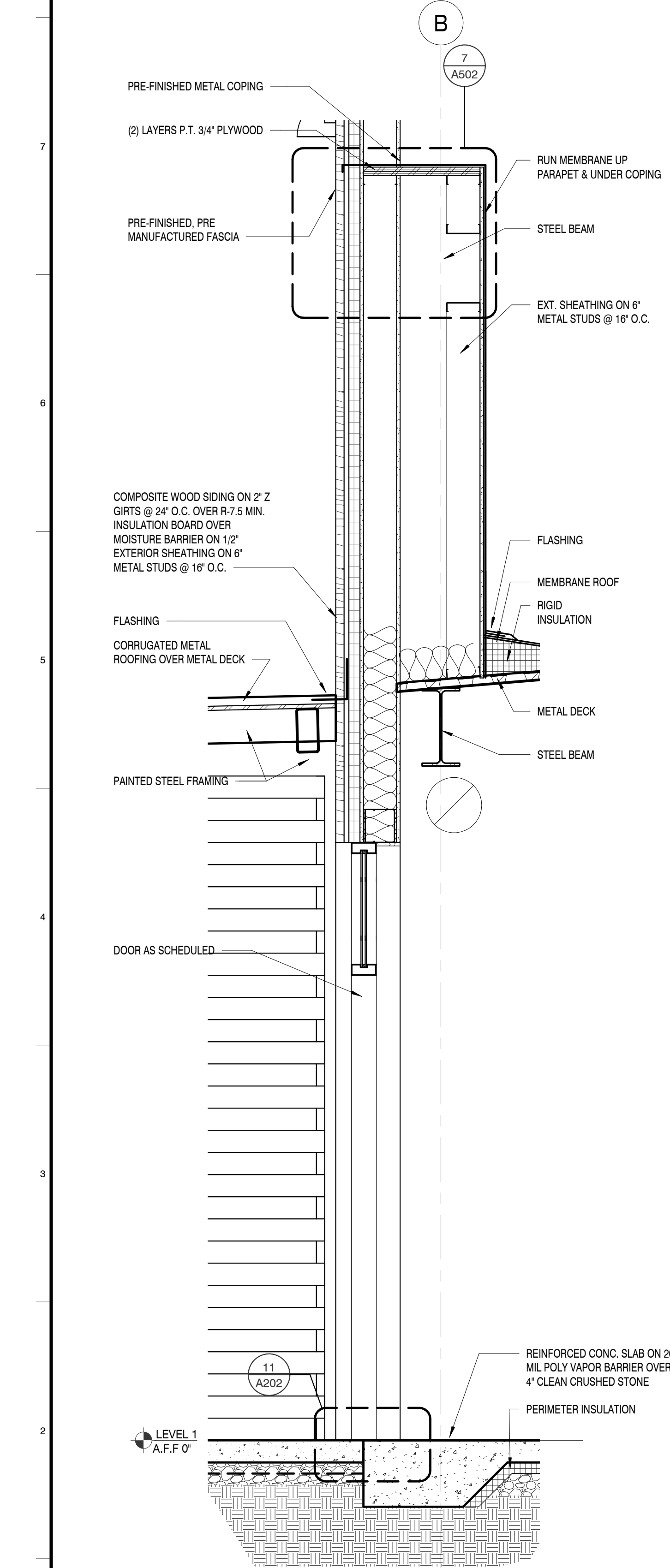
ARCH E11 A B C D E F G H J K L M N P Q



TERM. DTL. W/ SURF. MTD. COUNTER FLASHING

SCALE : 3" = 1'-0"

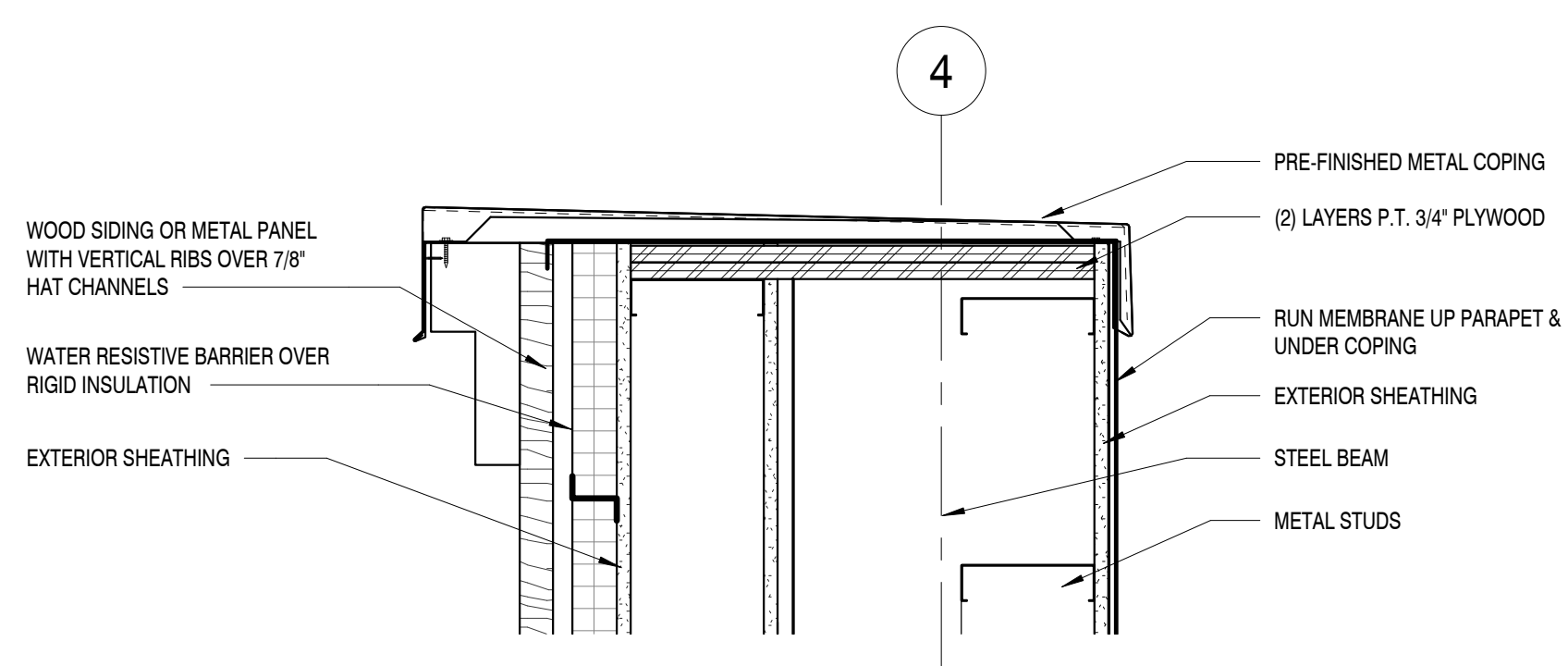
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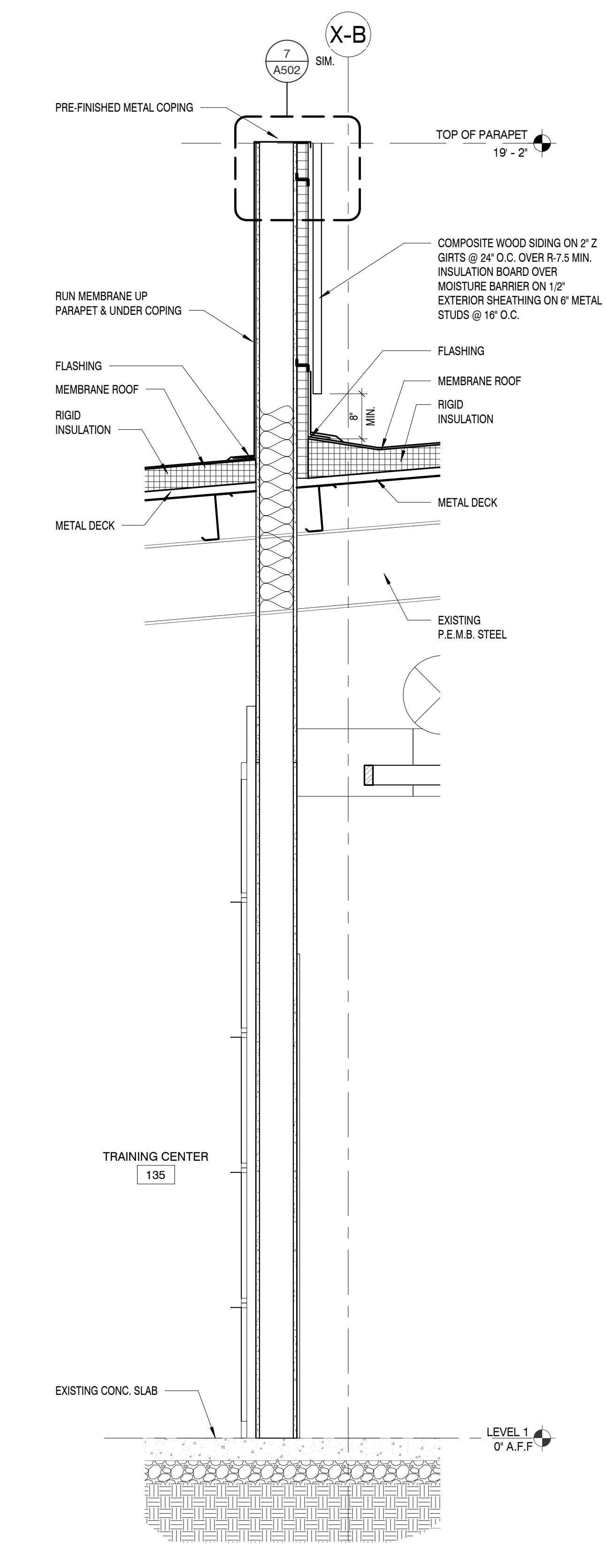
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PARAPET DETAIL

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

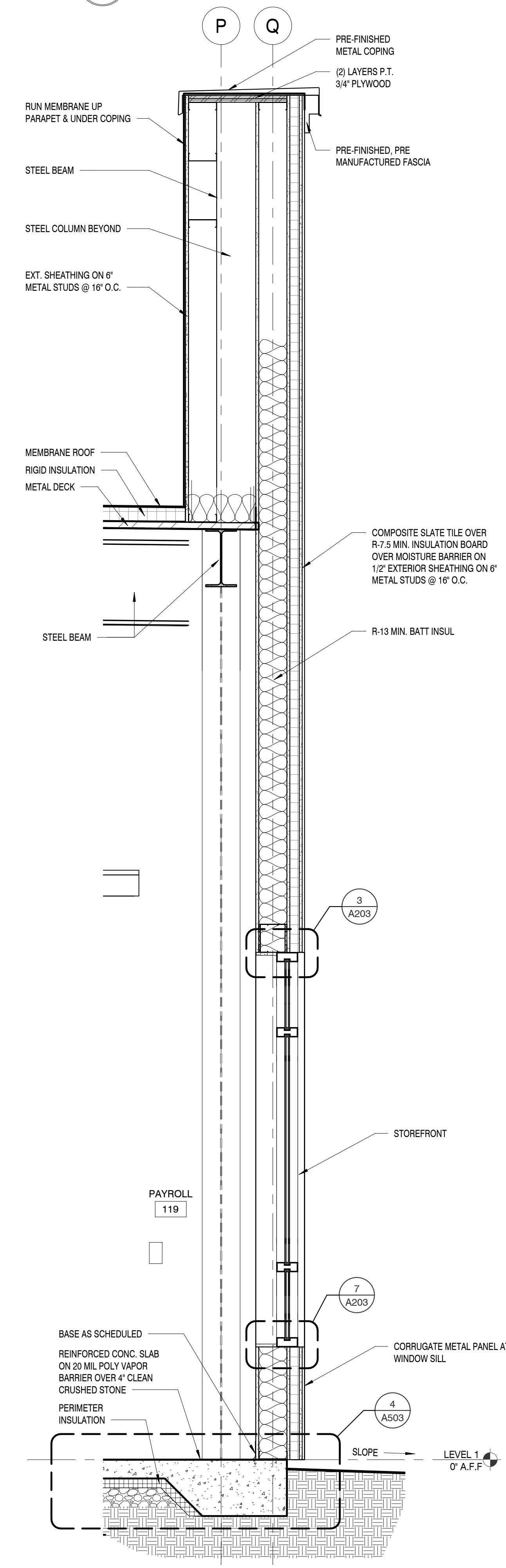
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WALL SECTION

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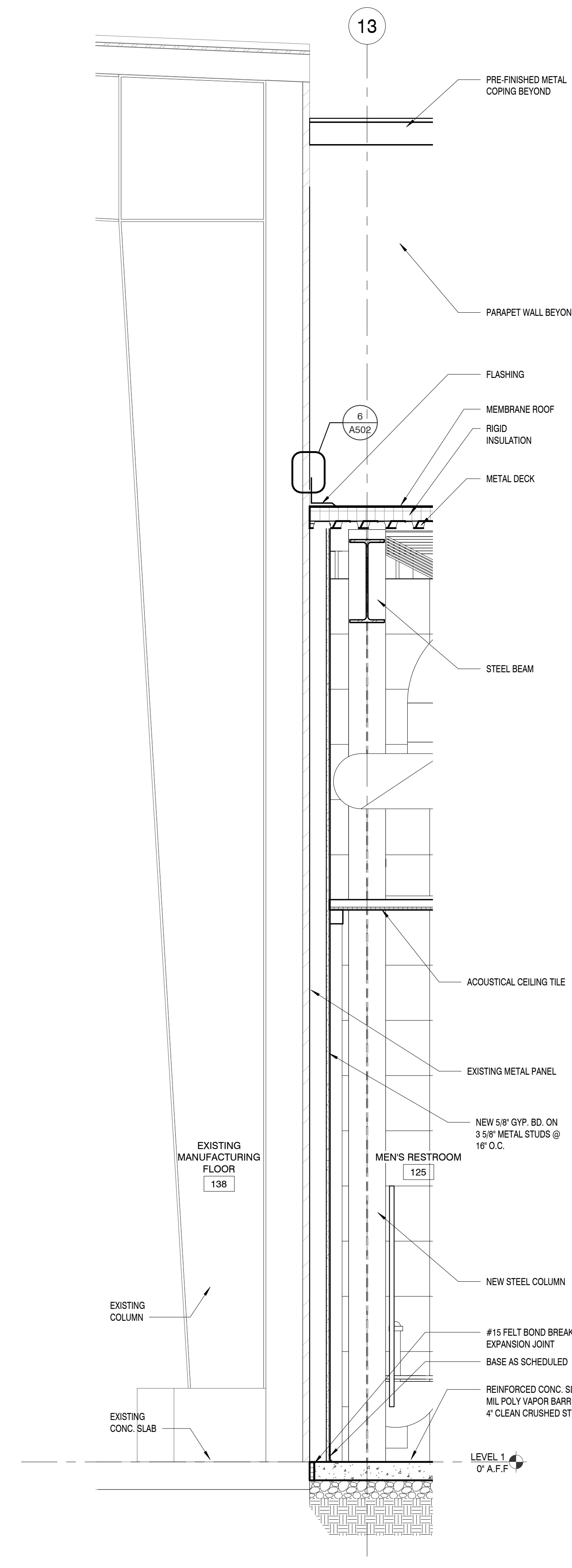
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WALL SECTION

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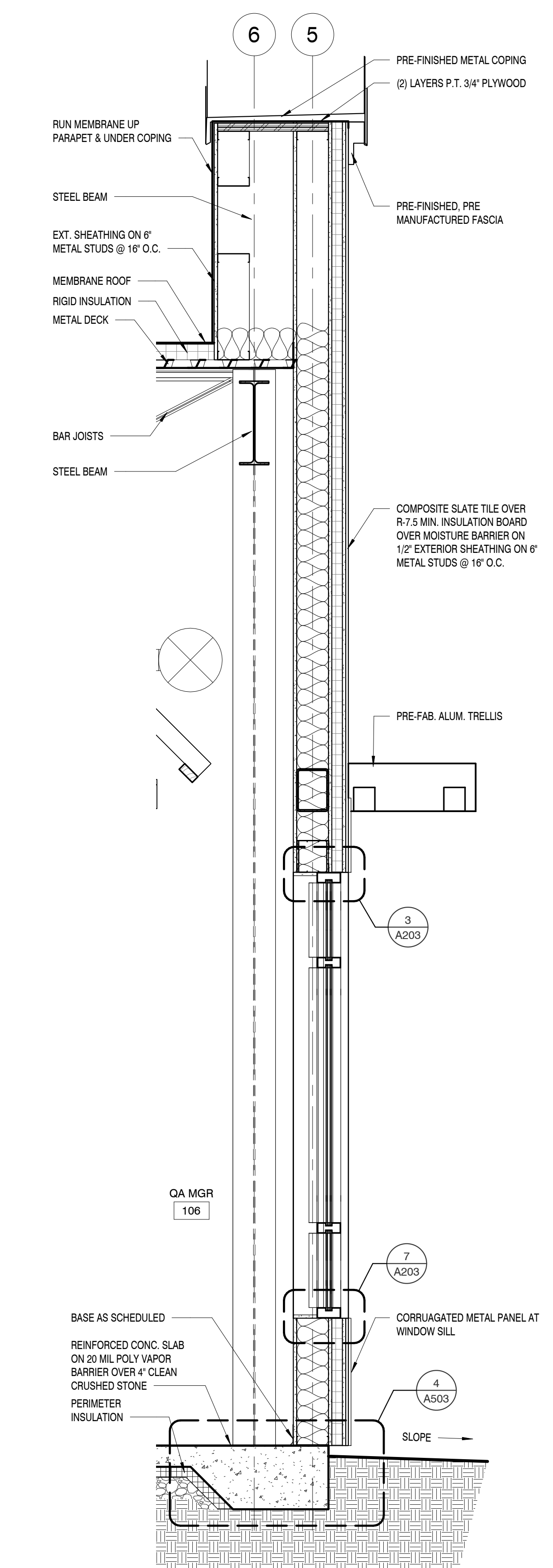
3



WALL SECTION

SCALE : 3/4" = 1'-0"

4



WALL SECTION

SCALE : 3/4" = 1'-0"

5

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CLAYTON ADDISON MANUFACTURING FACILITY (943)  
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18025 COUNTY ROAD 41  
ADDISON, AL 35640  
PROJECT NO.: 180788-04

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SHEET INFORMATION  
SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

WALL SECTIONS  
SHEET NO.:

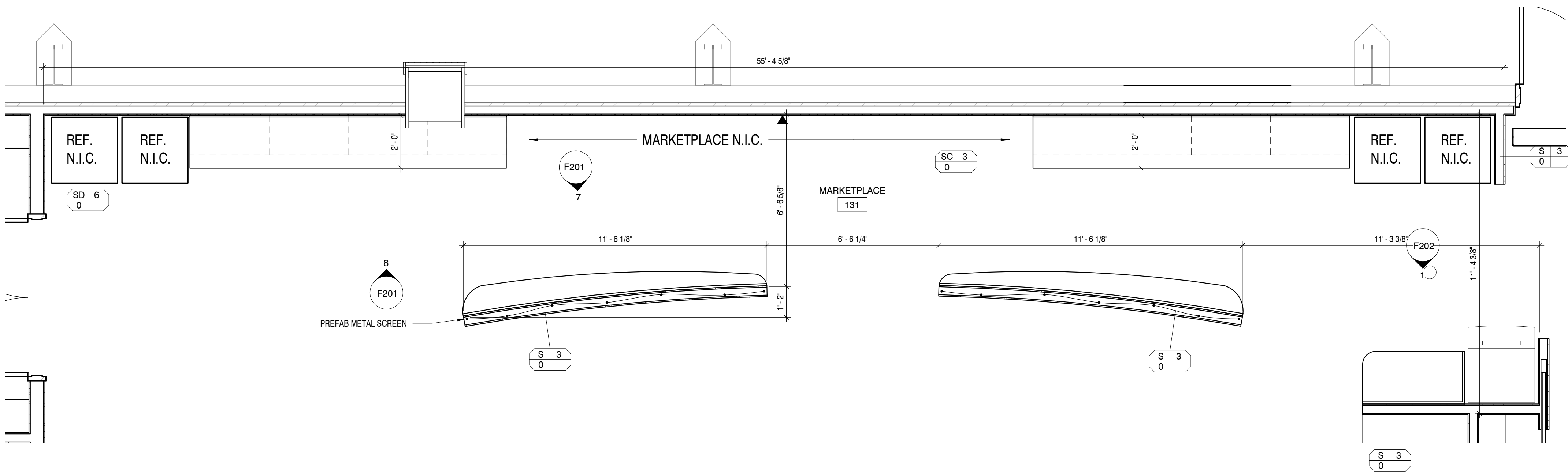
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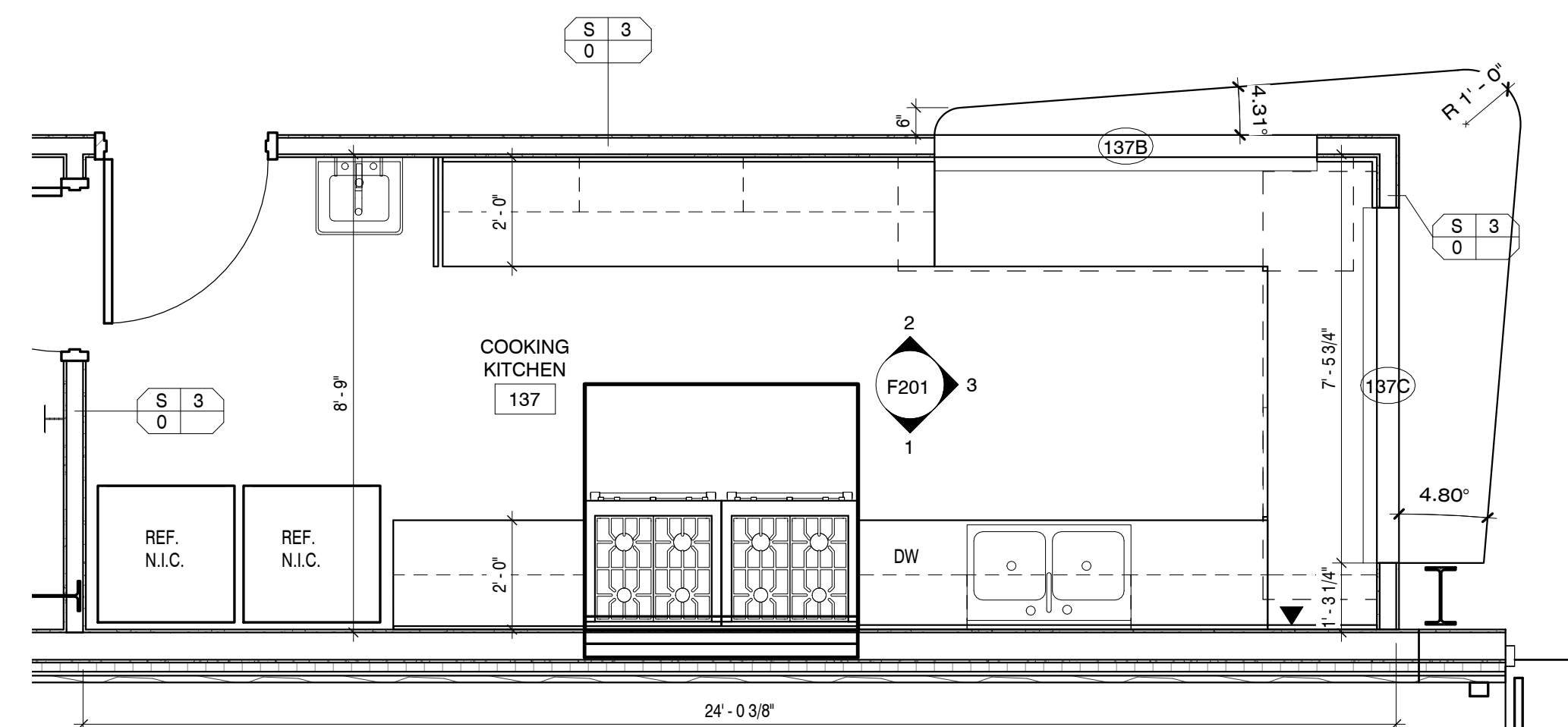
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ENLARGED MARKETPLACE PLAN

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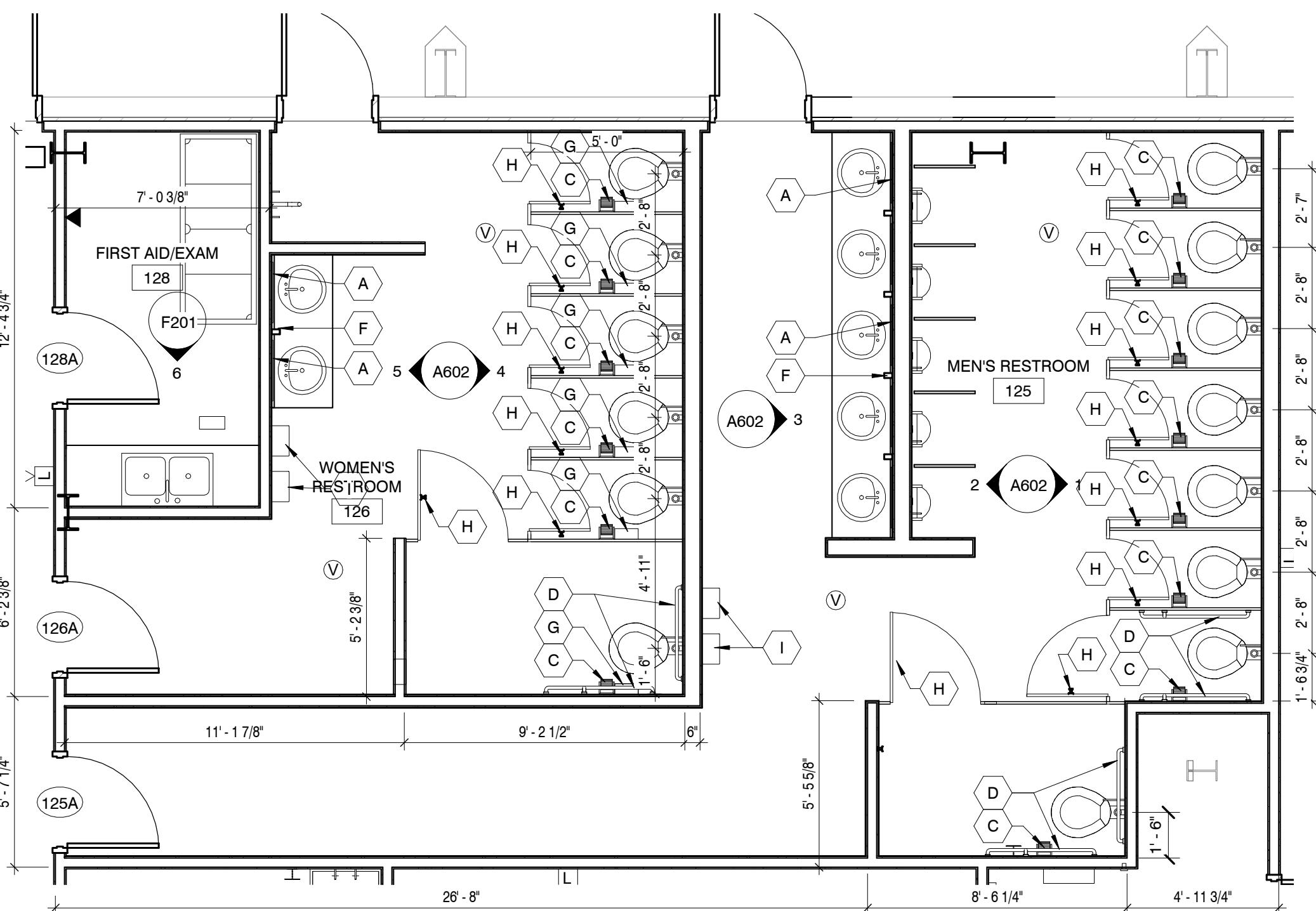
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ENLARGED WARMING KITCHEN PLAN

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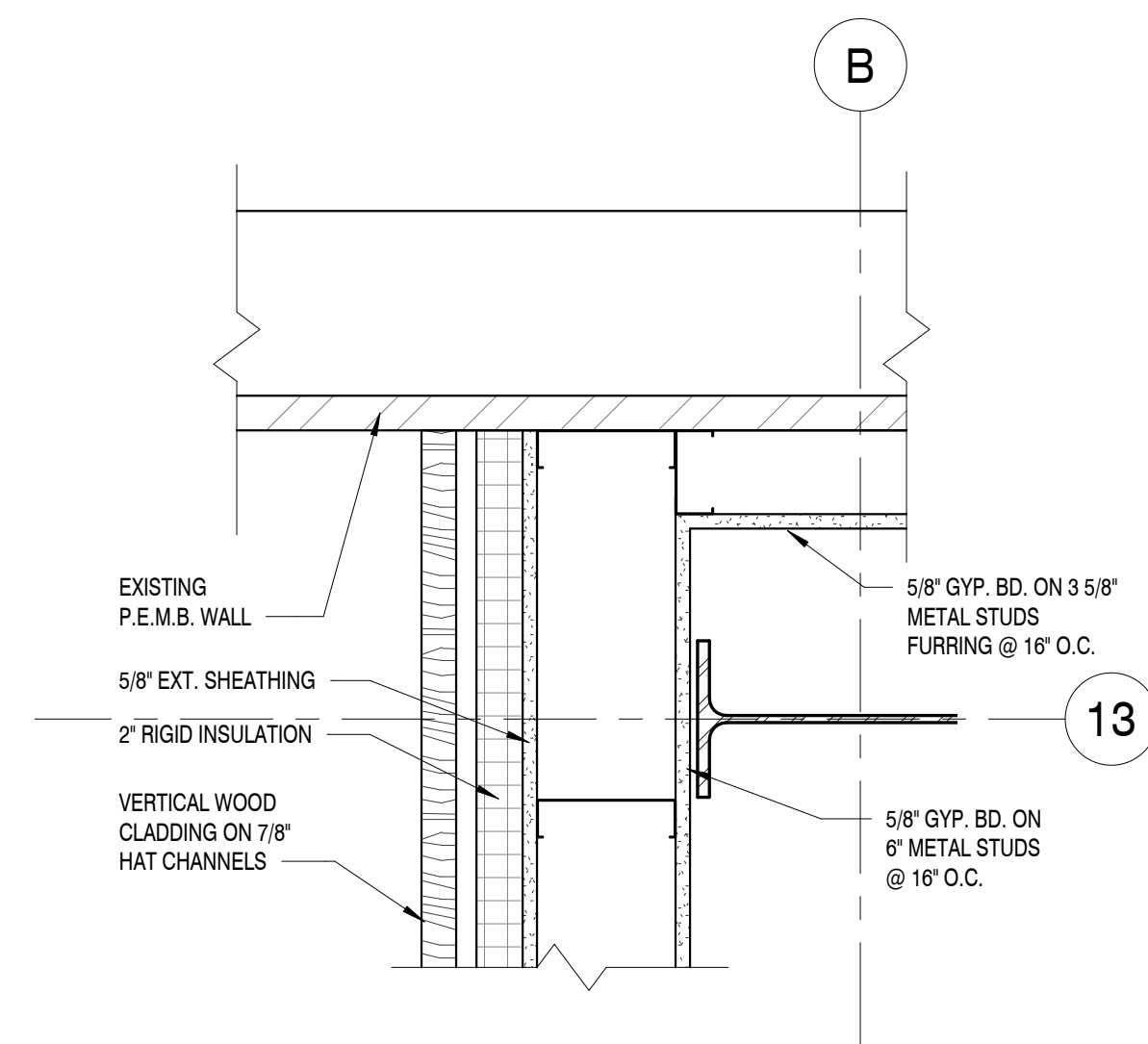
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ENLARGED RESTROOM PLAN

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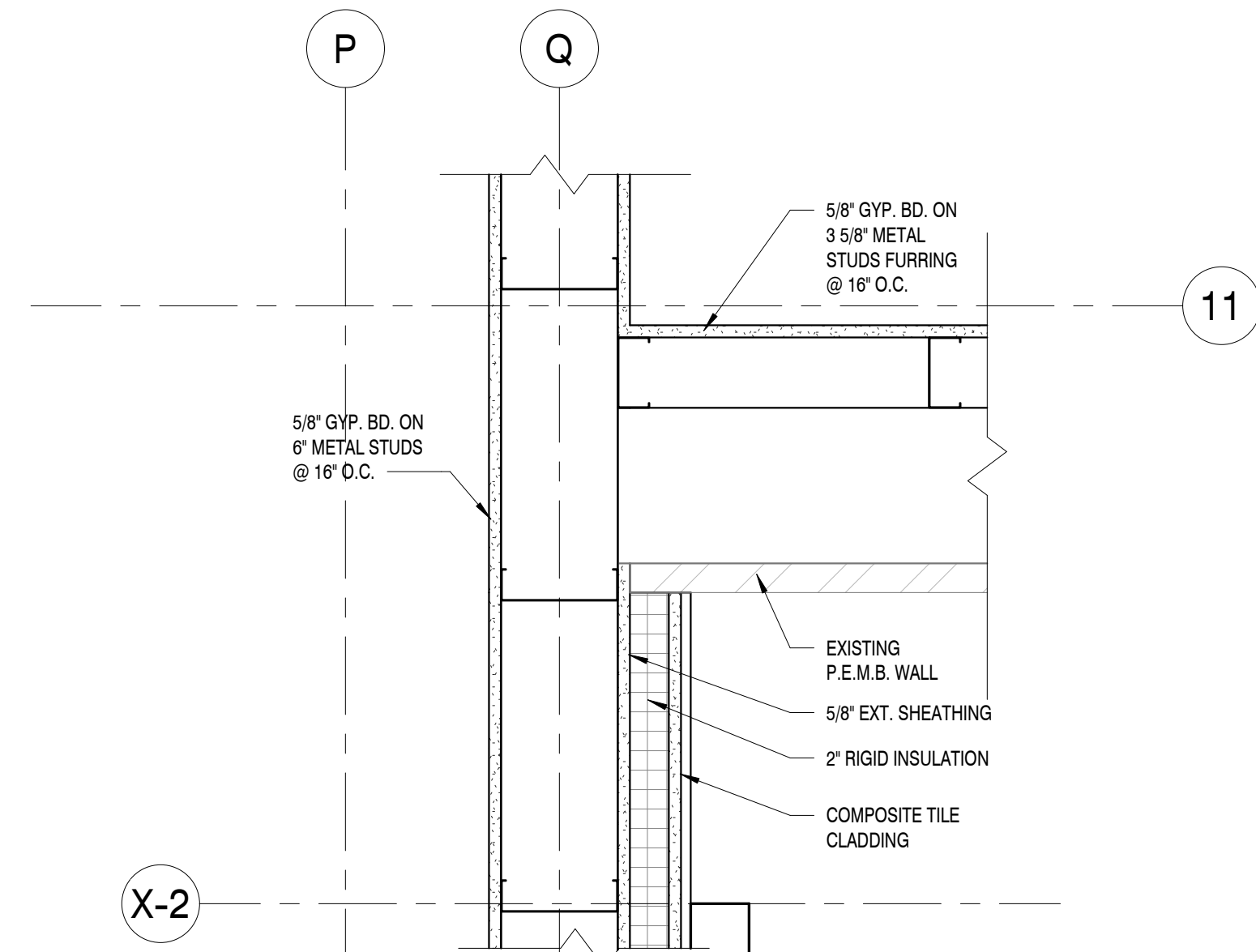
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WALL DETAIL

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

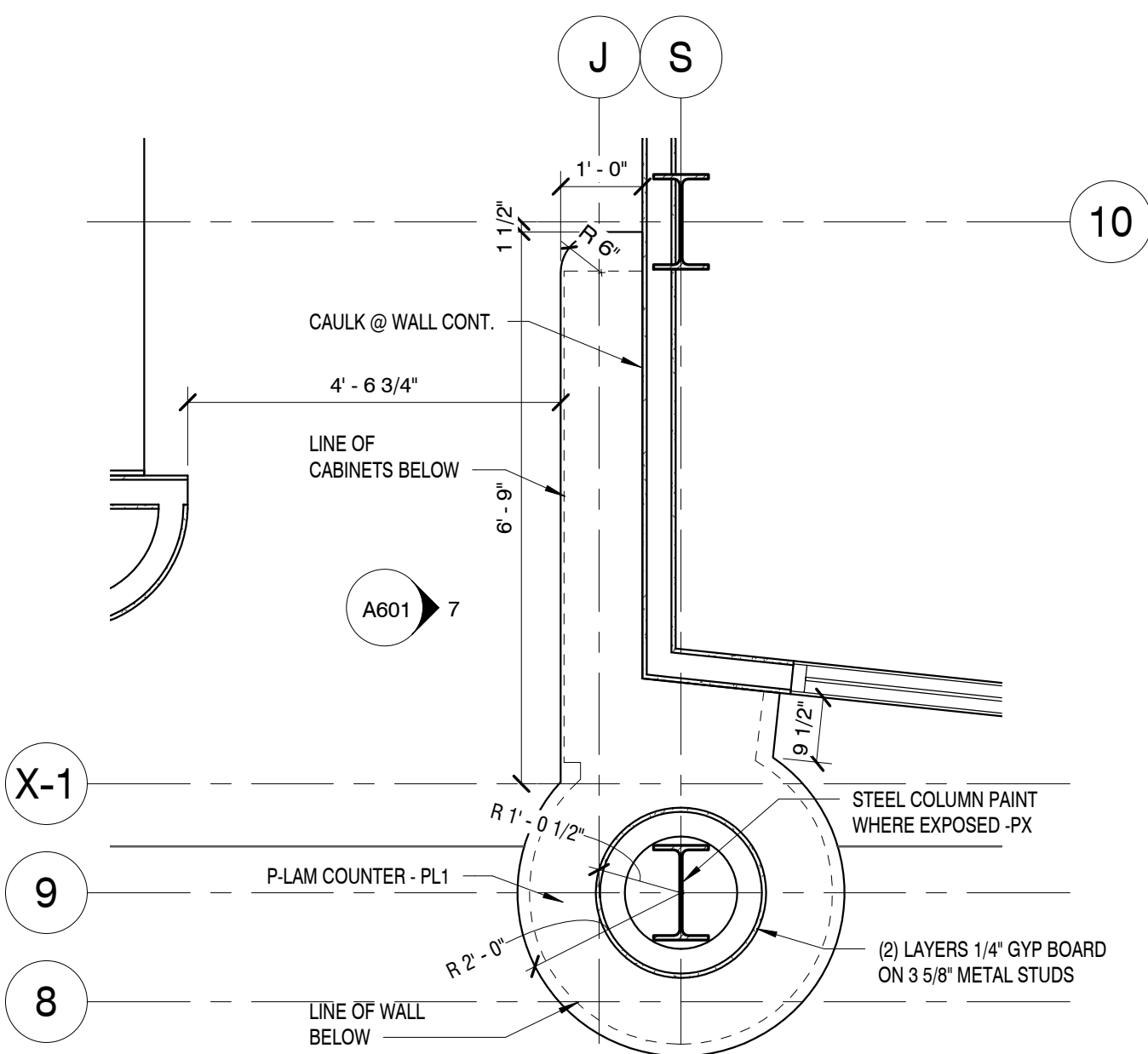
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WALL DETAIL

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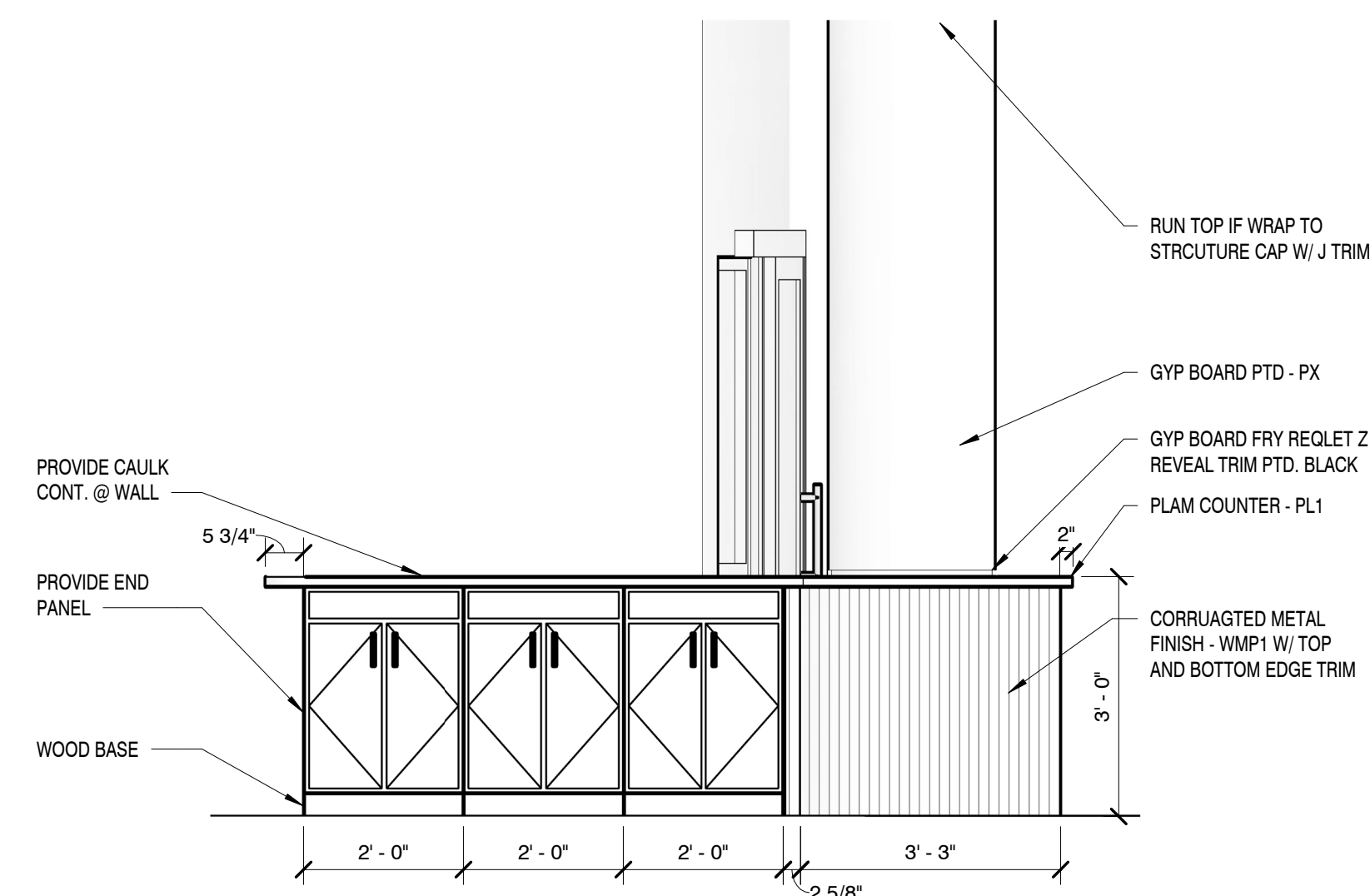
5



COLUMN WRAP DETAIL

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

6



COLUMN WRAP ELEVATION

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

7

RESTROOM ACCESSORIES

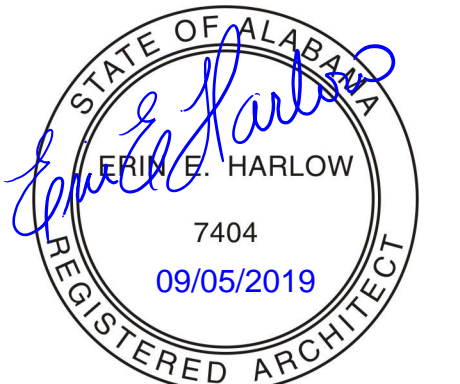
- A. 24" x 36" FRAMELESS MIRROR W/ 1/4" FLOAT PLATE SET IN SILICONE. (40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE).
- B. NOT USED
- C. TOILET TISSUE DISPENSER (WALL MOUNTED). DISPENSER SHALL BE LOCATED 11"12" OF THE FRONT EDGE OF THE TOILET SEAT. (1 PER STALL)
- D. 42" x 36" HORIZ. AND 18" VERT. STAINLESS STEEL GRAB BAR (SURFACE MOUNTED). 1 1/4" - 1 1/2"16" MOUNTED 1 1/2" FROM WALL.
- E. NOT USED
- F. SOAP DISPENSER
- G. FEMININE NAPKIN RECEPTACLE
- H. COAT HOOK
- I. AUTOMATIC HAND DRYER

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NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

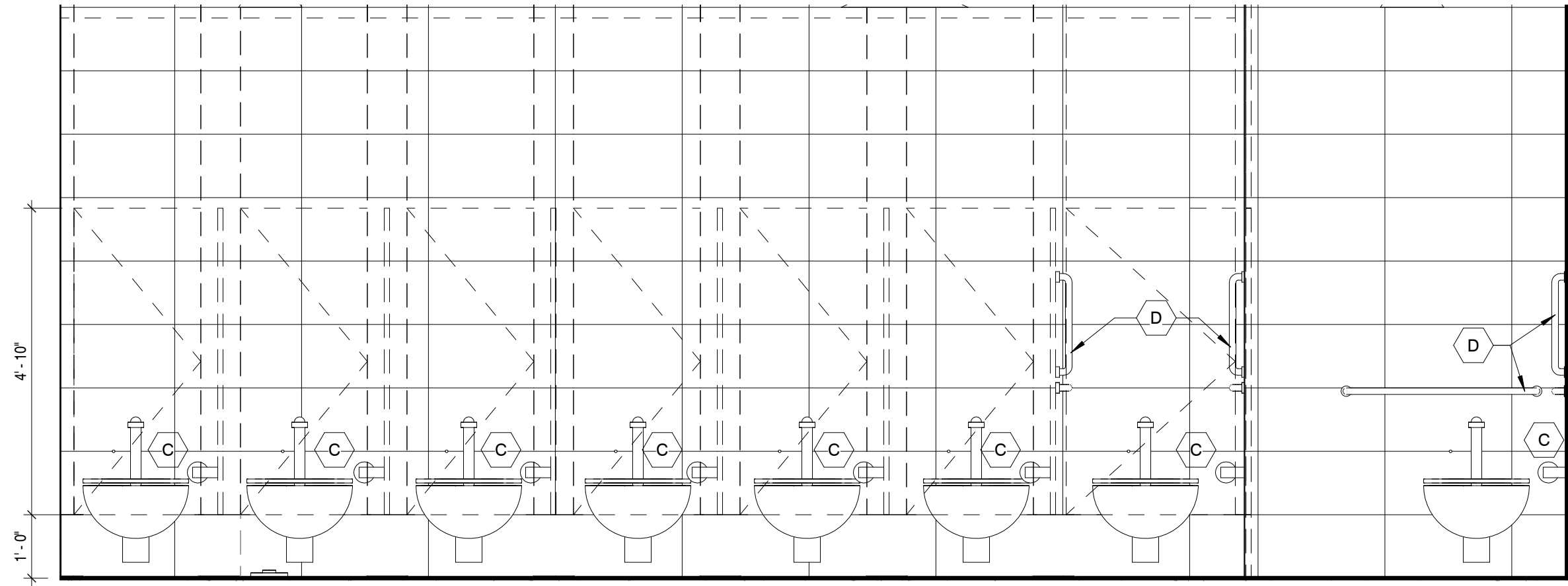
ENLARGED PLANS AND  
DETAILS

SHEET NO.:

A601



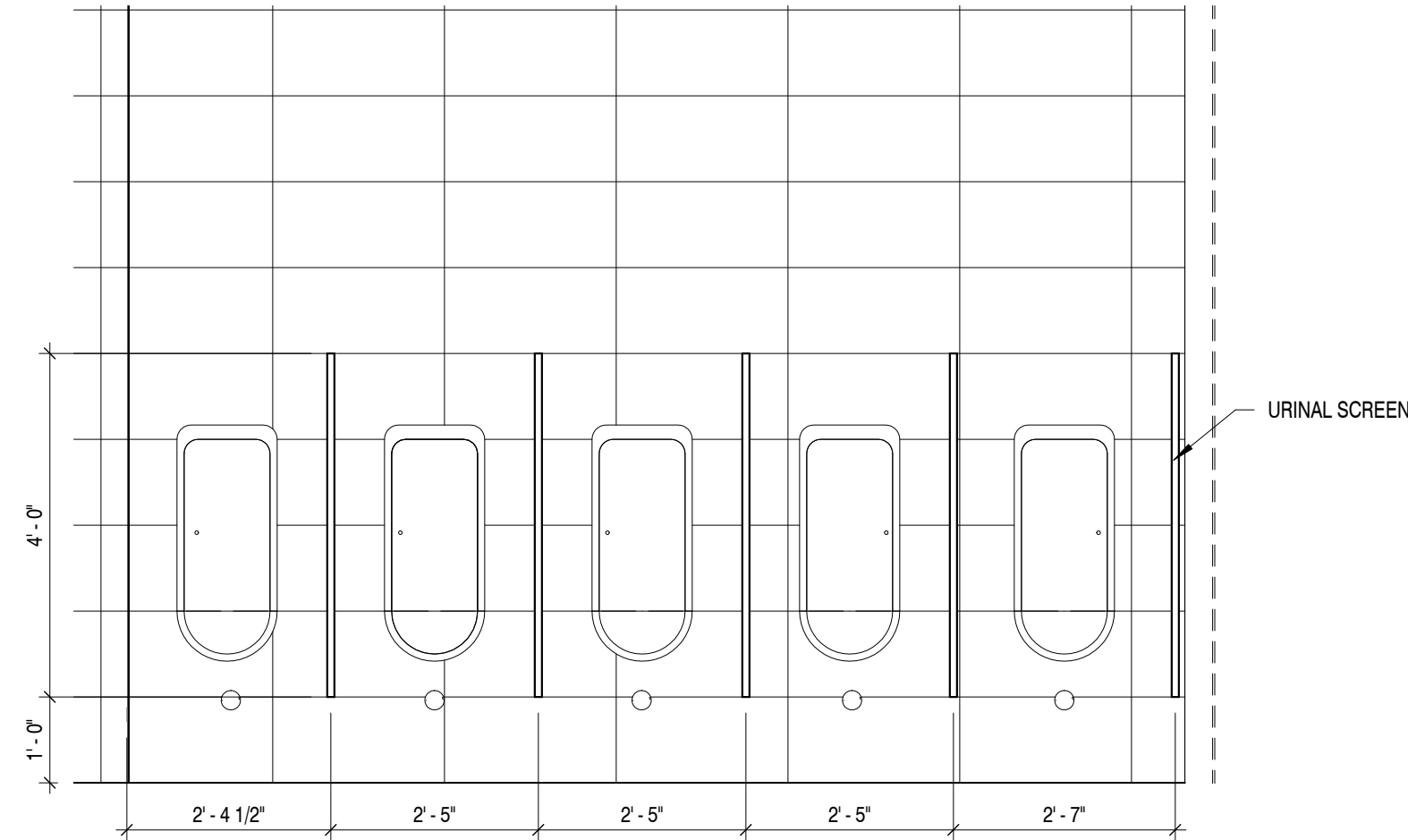
C:\Users\slalley\Documents\180788-04\_salley.rvt  
9/20/2019 8:15:38 AM



MEN'S RESTROOM ELEVATION

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

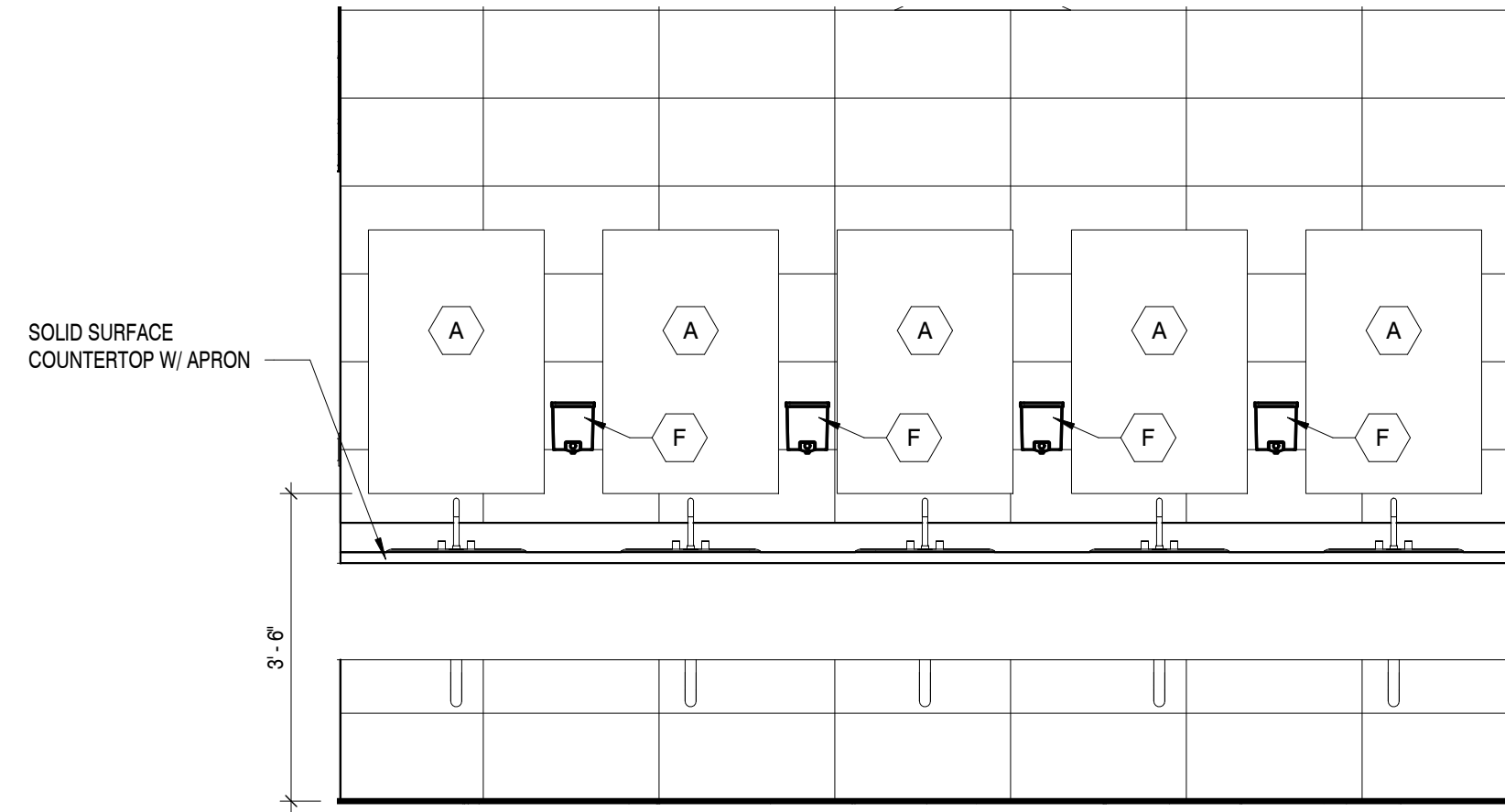
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MEN'S RESTROOM ELEVATION

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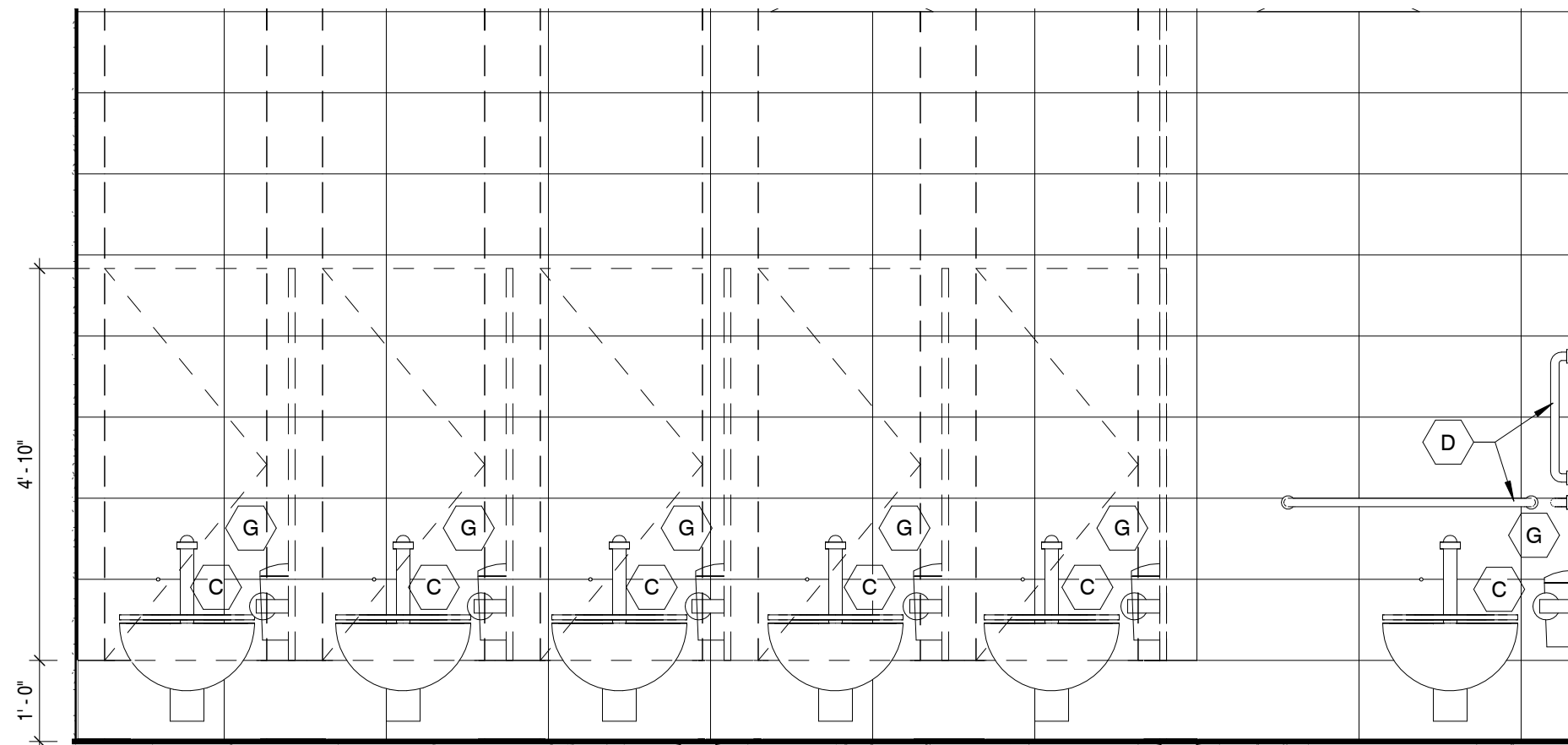
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MEN'S RESTROOM ELEVATION

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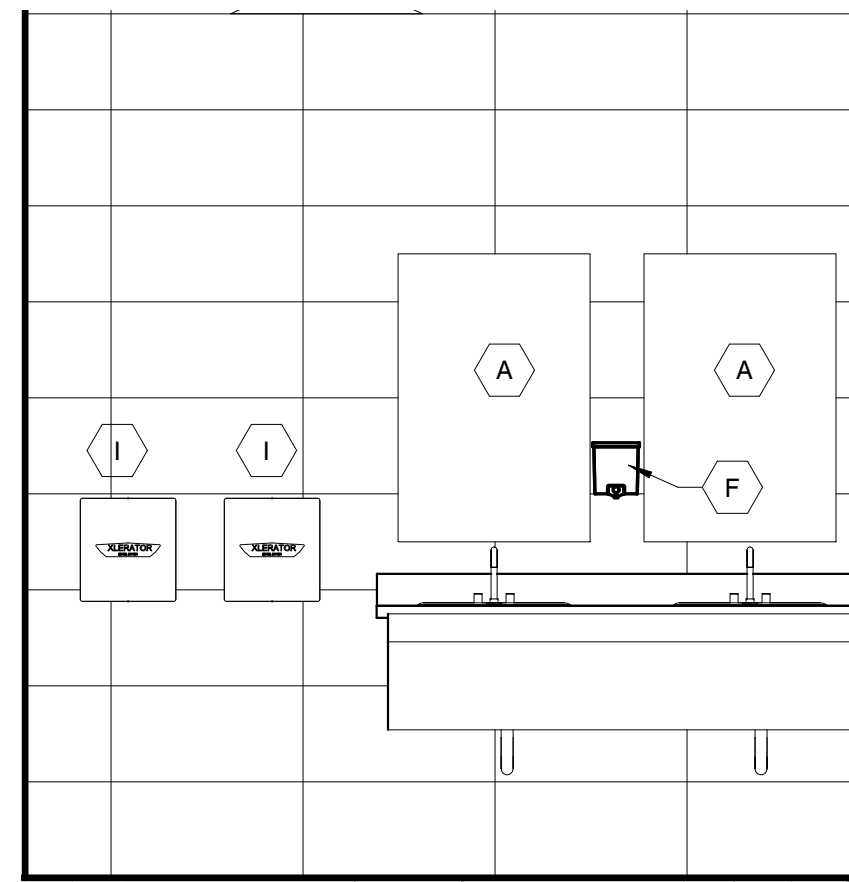
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WOMEN'S RESTROOM ELEVATION

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

4



WOMEN'S RESTROOM  
ELEVATION

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

5

RESTROOM ACCESSORIES

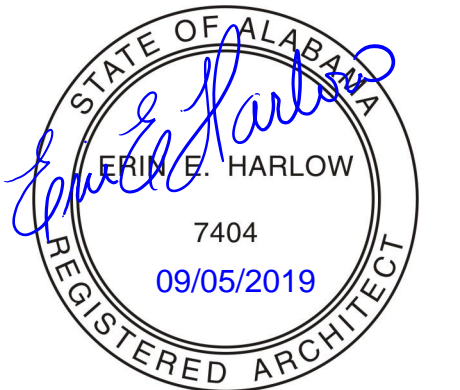
- A. 24" x 36" FRAMELESS MIRROR W/ 1/4" FLOAT PLATE SET IN SILICONE.  
(40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE ).
- B. NOT USED
- C. TOILET TISSUE DISPENSER (WALL MOUNTED). DISPENSER SHALL BE  
LOCATED (THIN 12" OF THE FRONT EDGE OF THE TOILET SEAT.  
(1 PER STALL)
- D. 42" & 36" HORIZ. AND 18" VERT. STAINLESS STEEL GRAB BAR, (SURFACE  
MOUNTED); 1 1/4" - 1 1/2"O MOUNTED 1 1/2" FROM WALL.
- E. NOT USED
- F. SOAP DISPENSER
- G. FEMININE NAPKIN RECEPTACLE
- H. COAT HOOK
- I. AUTOMATIC HAND DRYER

MBI

MBI COMPANIES INC.  
299 N. WEBB LAMAR ROAD  
KNOXVILLE, TN 37919  
PHONE: (865) 584-0999  
FAX: (865) 584-5213  
WEB: mbicompanies.com

CONSULTANT

SEAL



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SPECIFICATIONS AND THE DESIGN INTENT THEY  
CONVEY. OR PROBLEMS WHICH ARISE FROM OTHERS'  
FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN  
PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY  
ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES  
OR CONFLICTS WHICH ARE ALLEGED.

PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

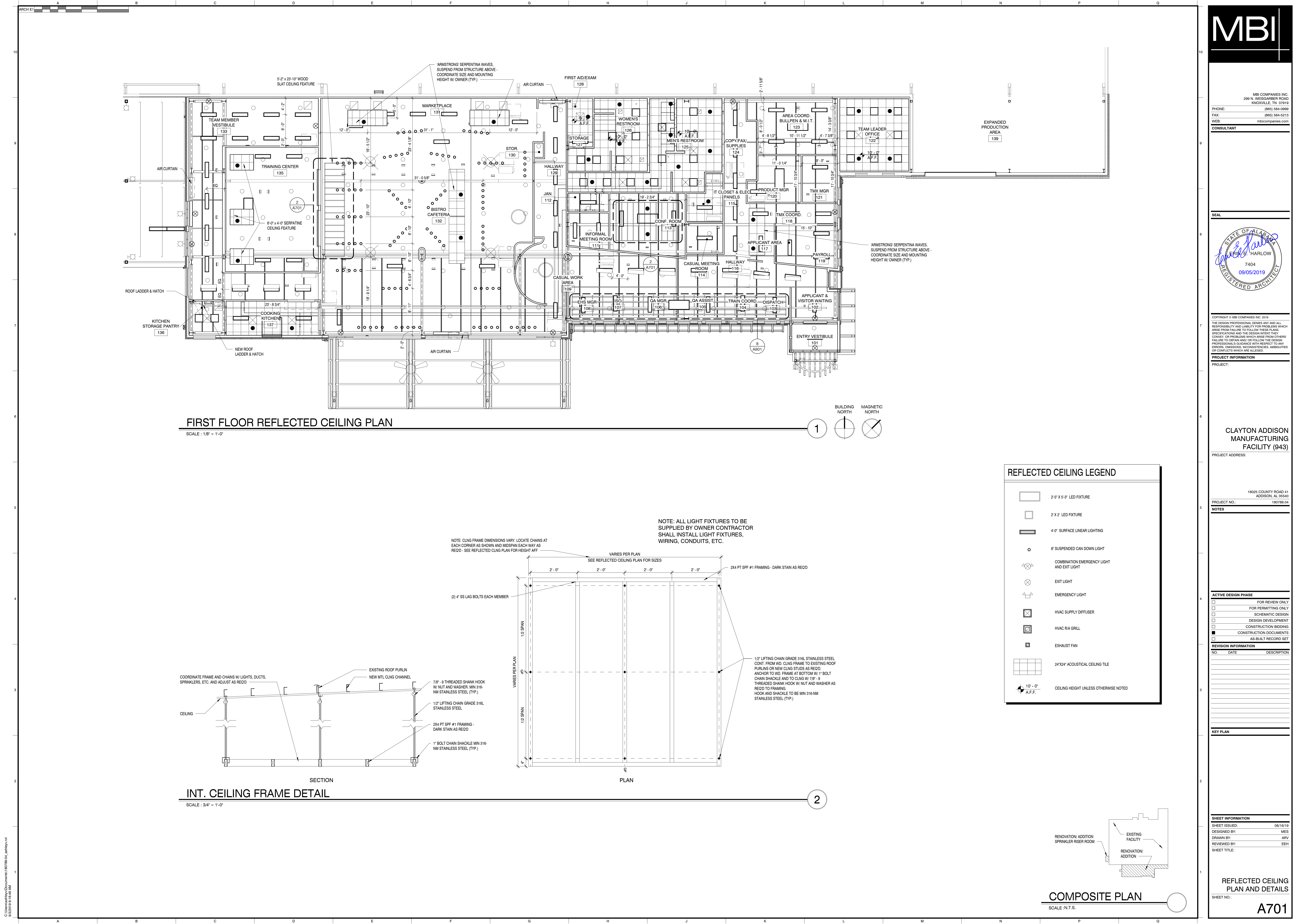
SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:

ENLARGED  
ELEVATIONS

SHEET NO.:

A602





MBI

MBI COMPANIES INC.  
299 N. WESGARDER ROAD  
KNOXVILLE, TN 37919  
PHONE: (865) 584-0999  
FAX: (865) 584-5213  
WEB: mbicompanies.com

CONSULTANT

SEAL

STATE OF ALABAMA

7404

09/05/2019

REGISTERED ARCHITECT

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:  
18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

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ACTIVE DESIGN PHASE

REVISION INFORMATION

SHEET INFORMATION

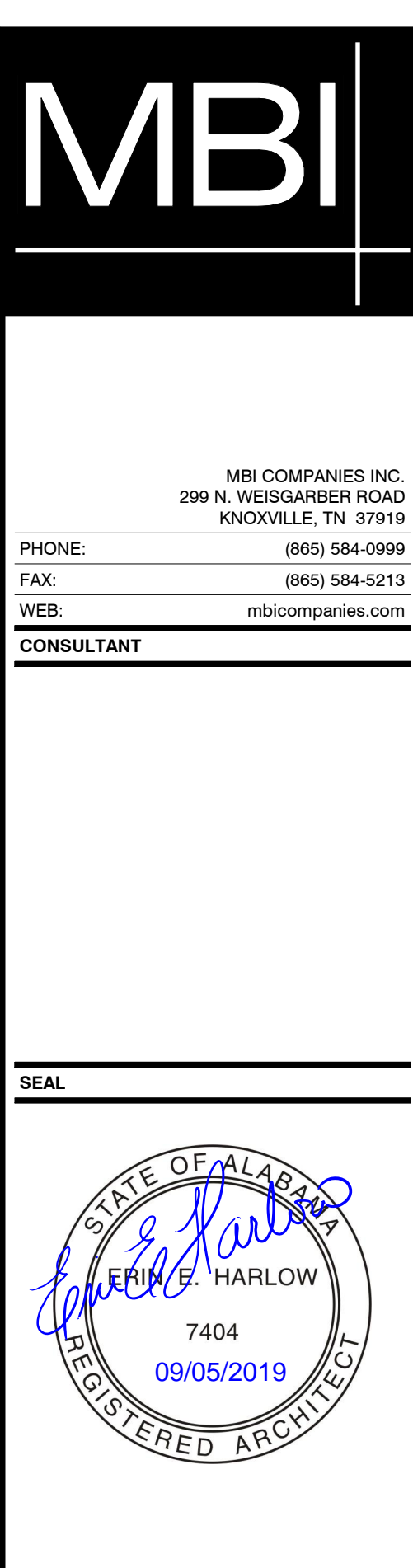
REFLECTED CEILING  
PLAN AND DETAILS

A701









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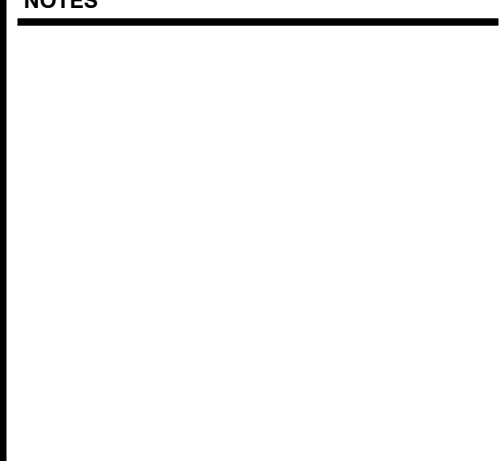
PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35540

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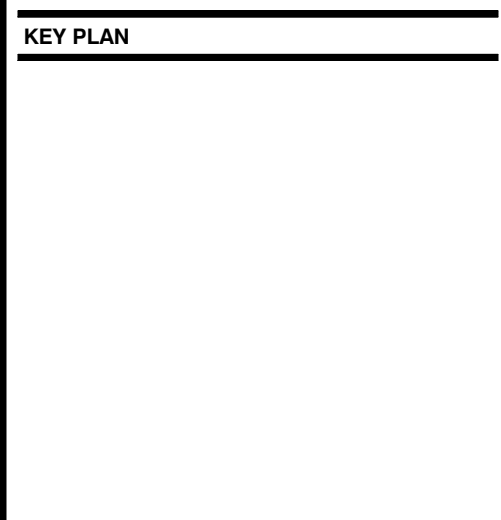
PROJECT NO.: 180789.04

NOTES



ACTIVE DESIGN PHASE	
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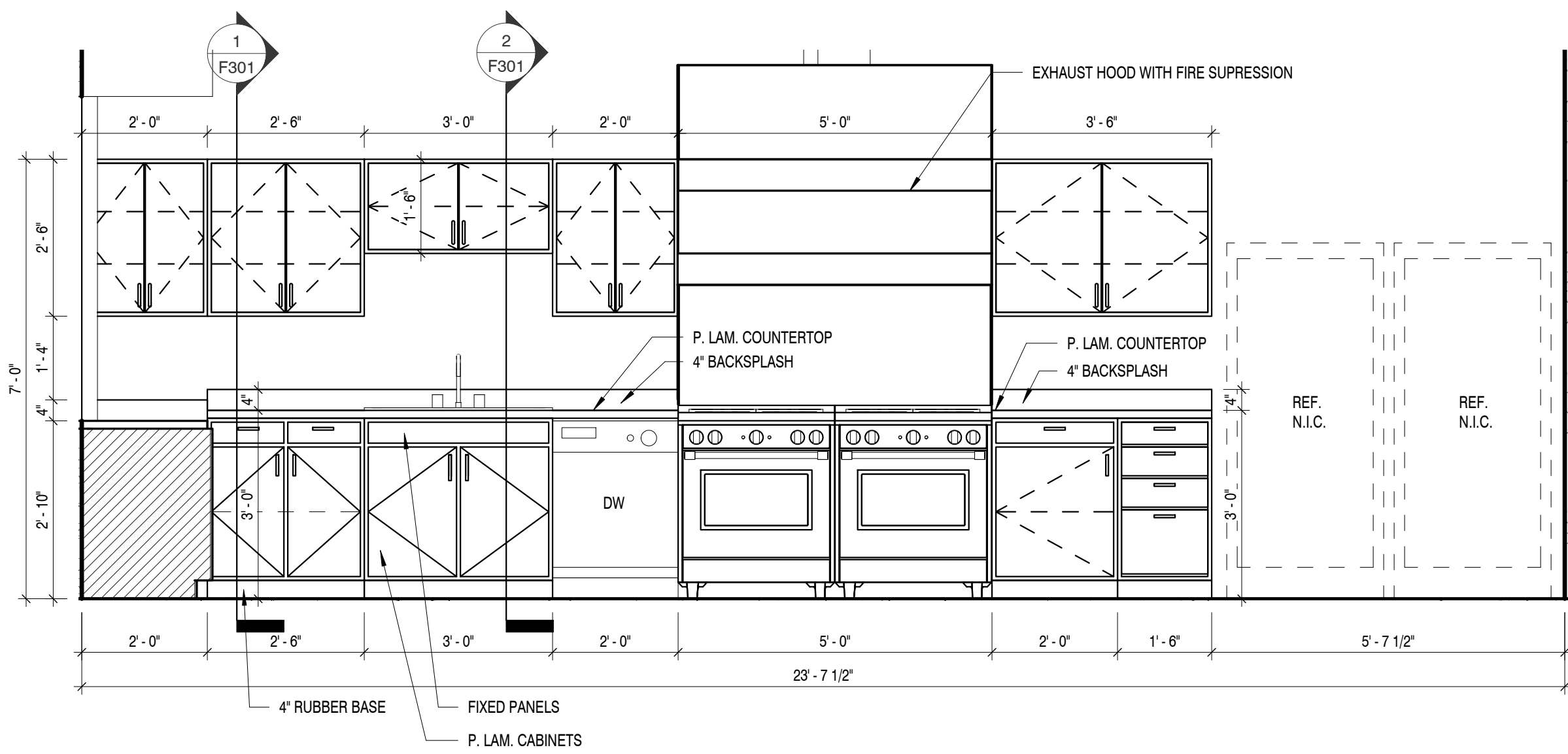
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SHEET INFORMATION	
SHEET ISSUED:	08/16/19
DESIGNED BY:	MES
DRAWN BY:	ARV
REVIEWED BY:	EEH
SHEET TITLE:	
FINISH FLOOR PLAN	
SHEET NO.:  F101	

SCALE : N.T.S

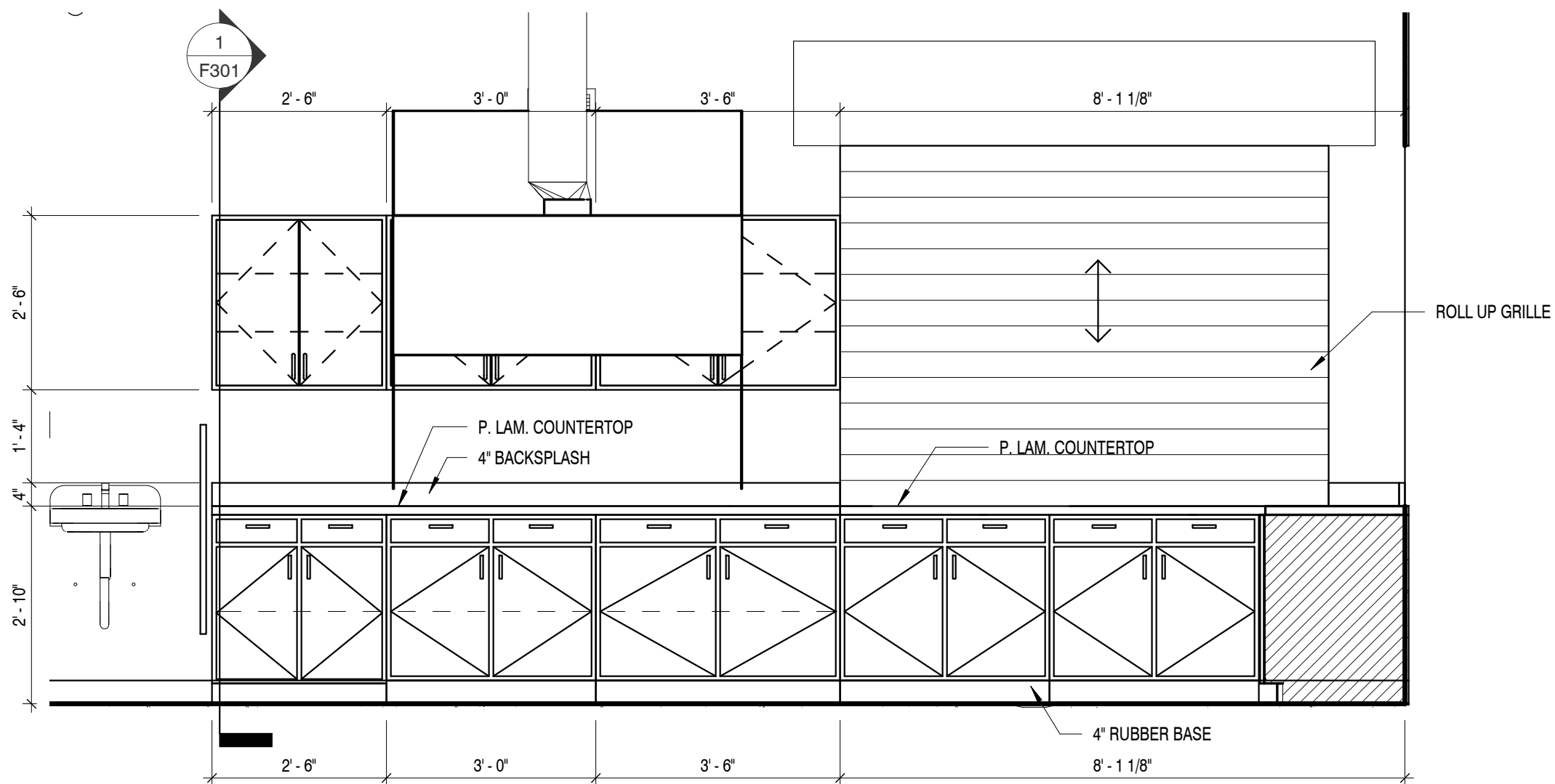




WARMING KITCHEN INT. ELEVATION

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

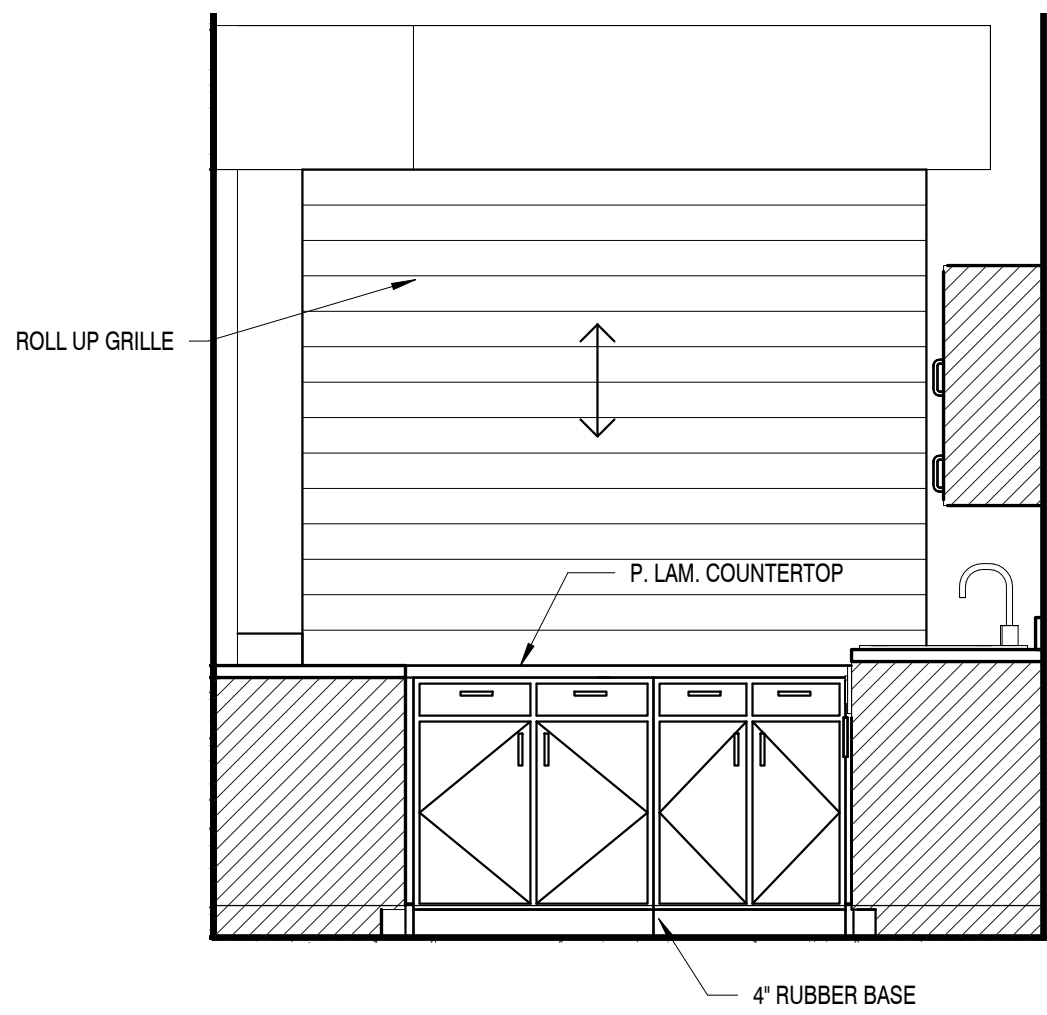
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WARMING KITCHEN INT. ELEVATION

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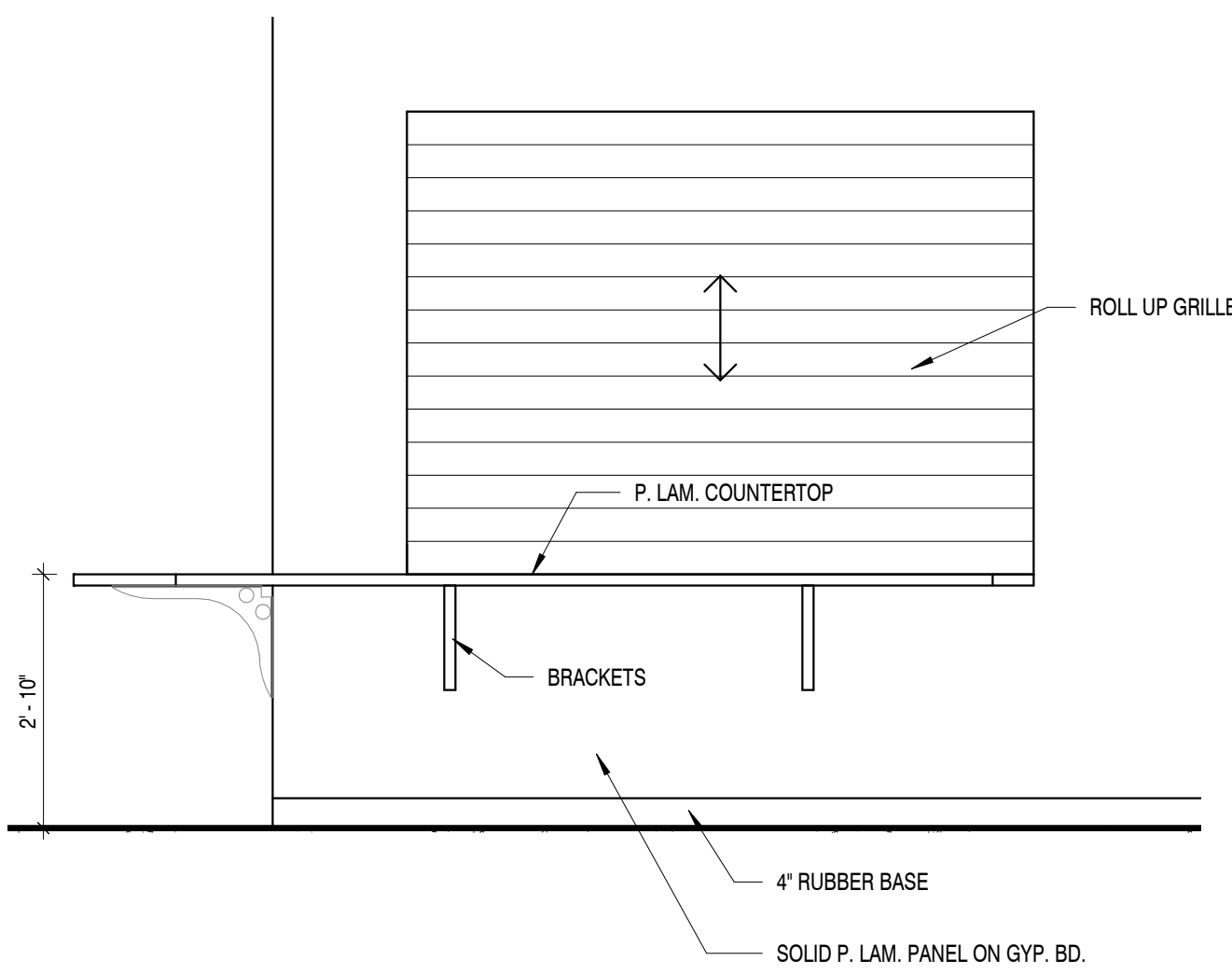
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WARMING KITCHEN INT. ELEVATION

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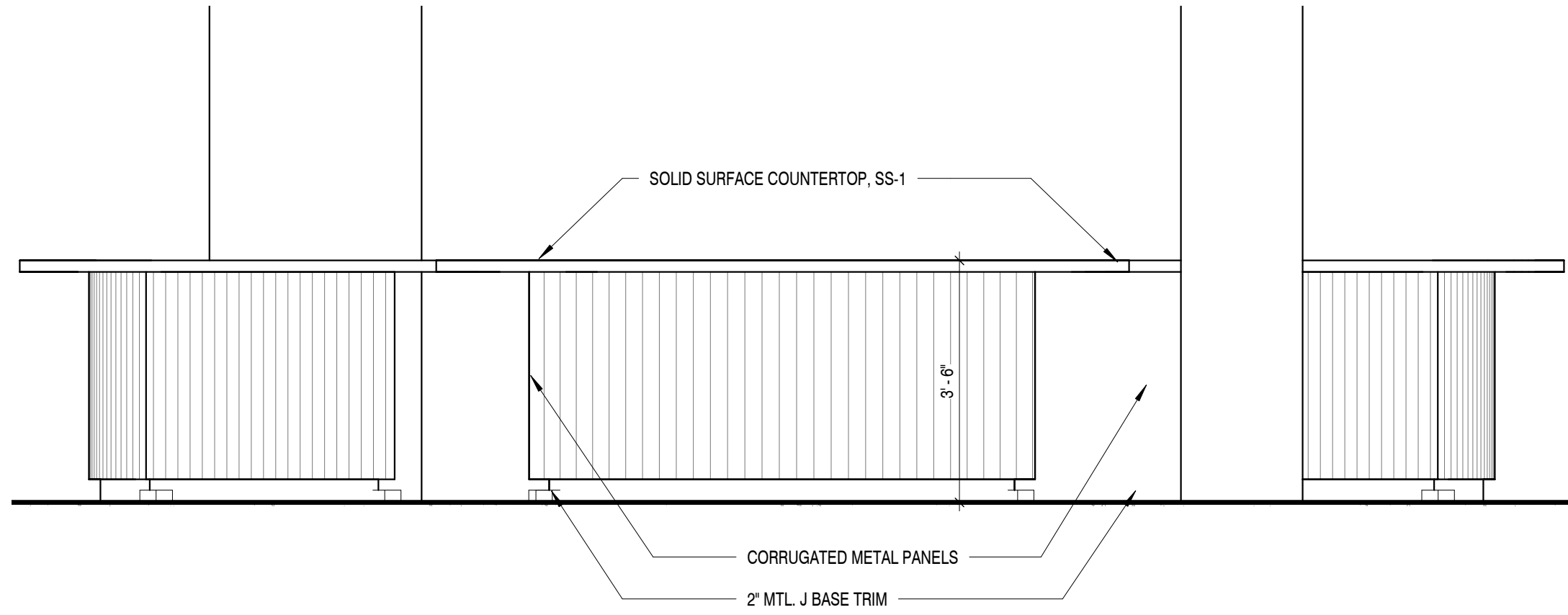
3



BISTRO INT. ELEVATION

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

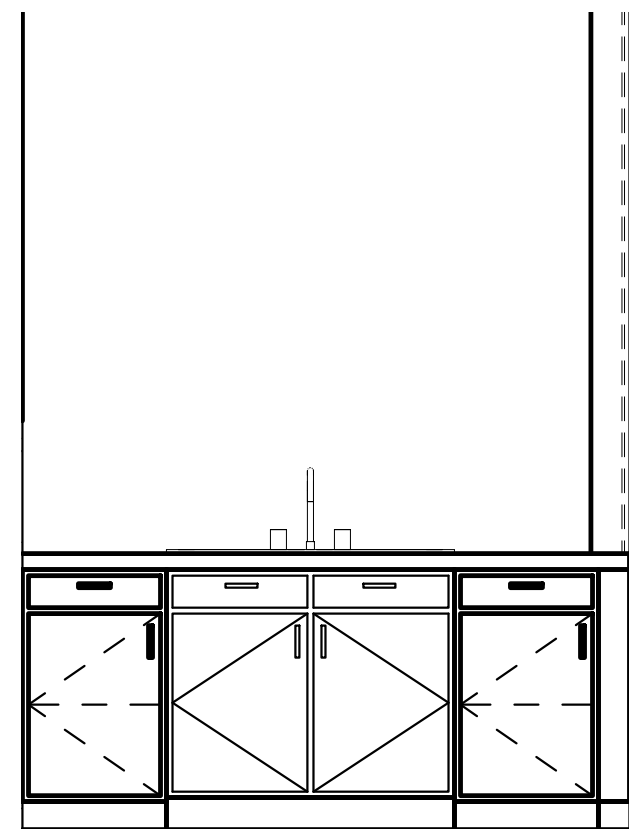
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BISTRO INT. ELEVATION

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

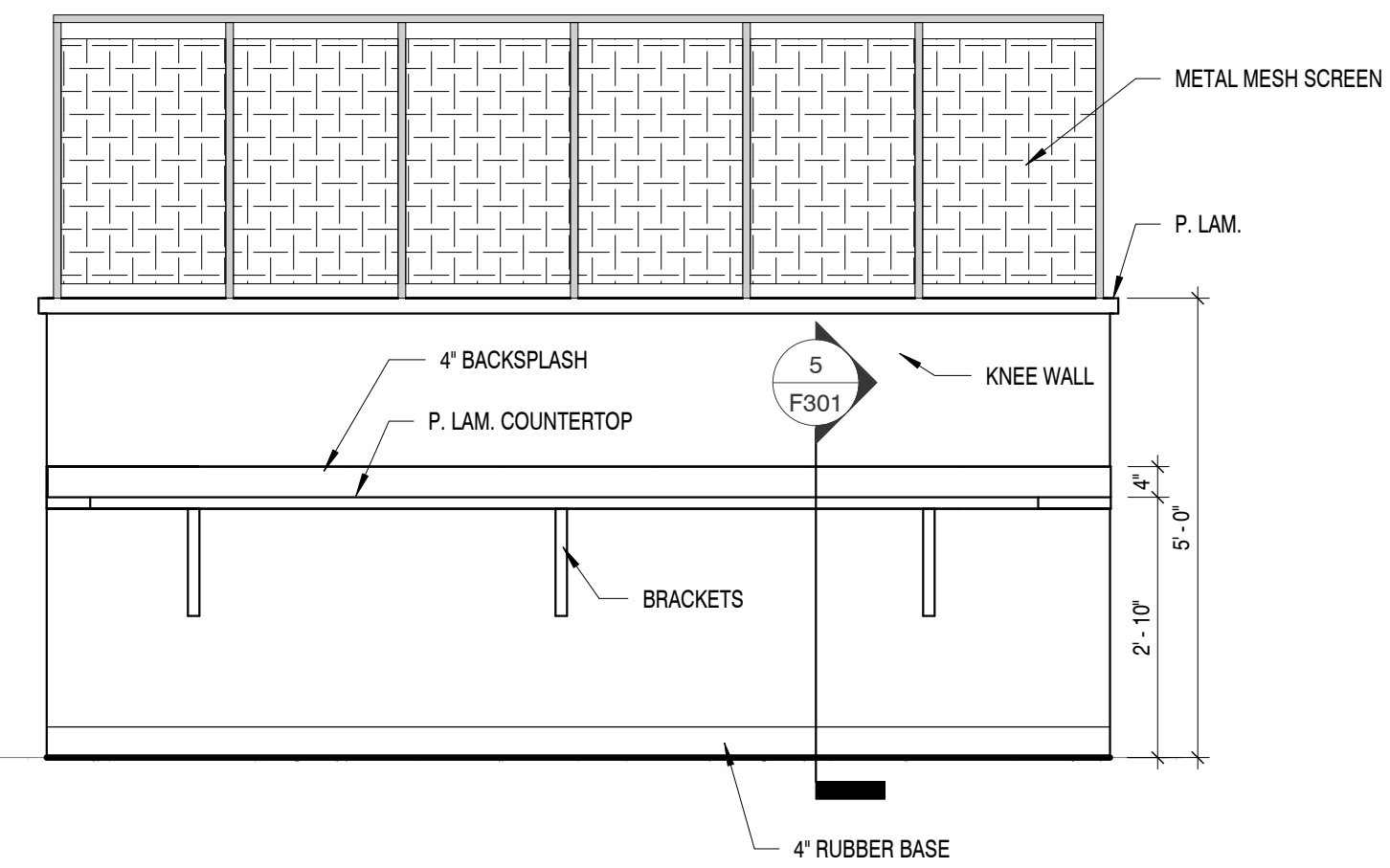
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FIRST AID ELEVATION

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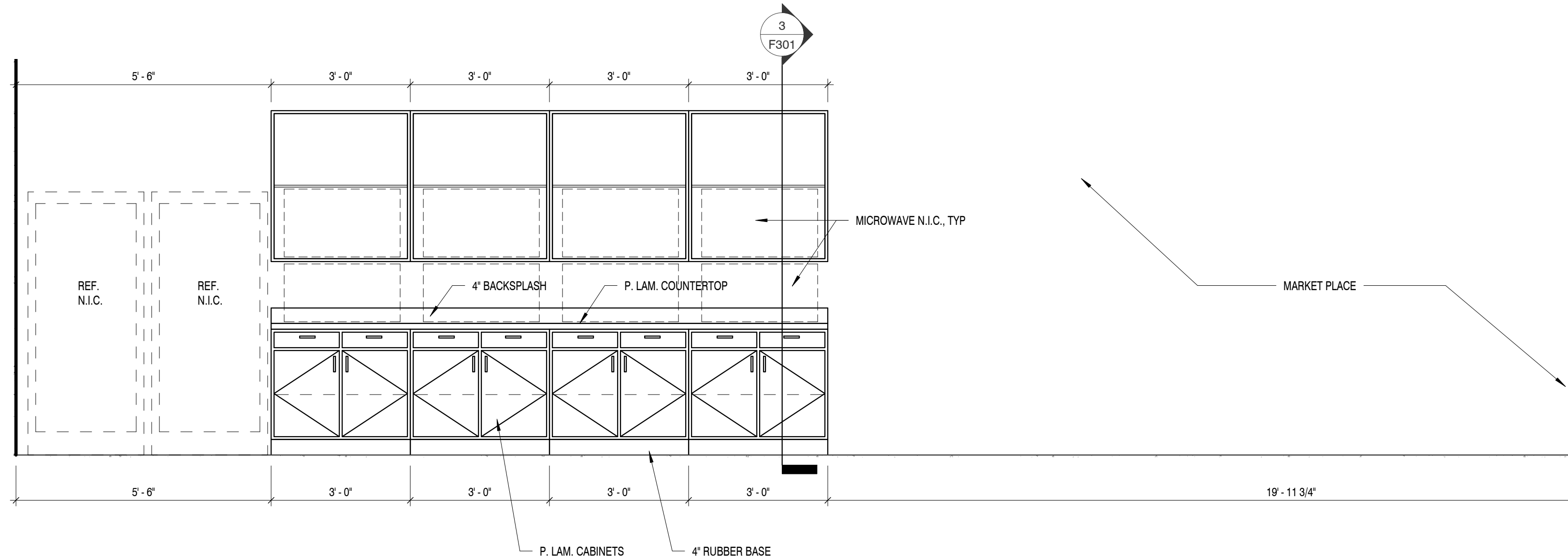
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MARKETPLACE INT. ELEVATION

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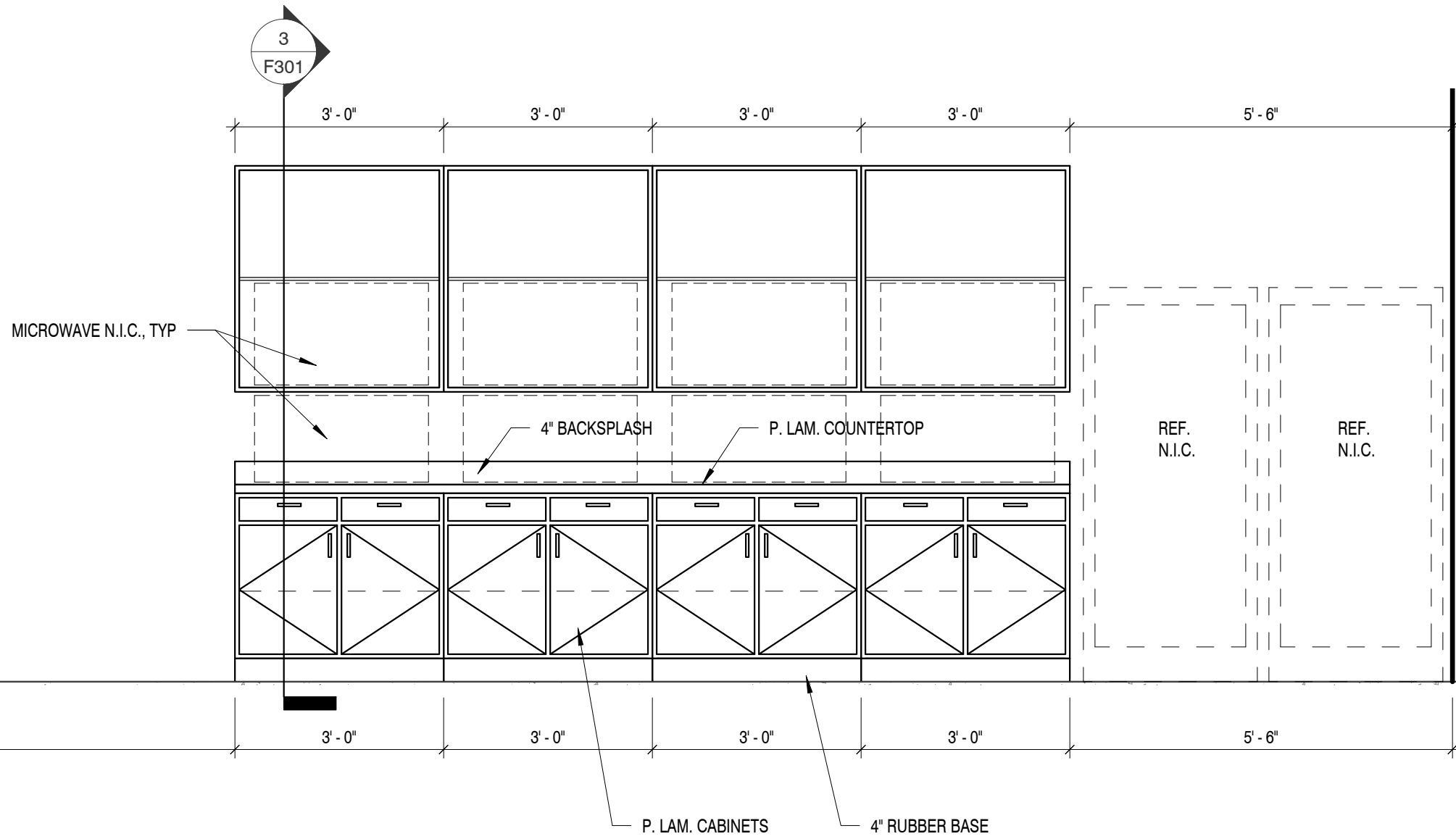
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MARKETPLACE INT. ELEVATION

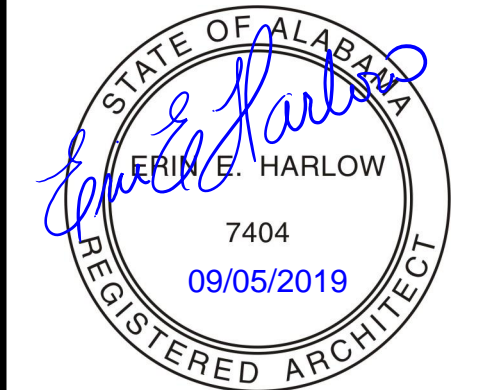
SCALE : 1/2" = 1'-0"

8



GENERAL MILLWORK NOTES

1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND SUPERVISION NECESSARY TO FABRICATE MILLWORK.
2. SEE DRAWINGS, SCHEDULES AND DETAILS FOR LOCATION, QUANTITY AND DESIGN OF MILLWORK REQUIRED.
3. MILLWORK IS DEFINED AS ALL SHOP FABRICATED CABINETRY AND COUNTERTOPS, INCLUDING THE INSTALLATION OF THEM AS NECESSARY TO COMPLETE THE WORK.
4. ALL WORK SHALL CONFORM TO THE QUALITY STANDARDS OF THE ARCHITECTURAL WOODWORK INDUSTRY (AWI) FOR CUSTOM GRADE.
5. FURNISH ALL ITEMS OF ROUGH HARDWARE AND WOOD BLOCKING OR OTHER ACCESSORIES SHOWN OR REQUIRED TO PROPERLY SECURE THE WORK IN PLACE.
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7. CONTRACTOR SHALL NOT DELIVER OR INSTALL MILLWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETE AND HVAC SYSTEM IS OPERATING AND MAINTAINING TEMPERATURE AND RELATIVE HUMIDITY AT OCCUPANCY LEVELS DURING THE REMAINDER OF CONSTRUCTION PERIOD.
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18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788.04

NOTES

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REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

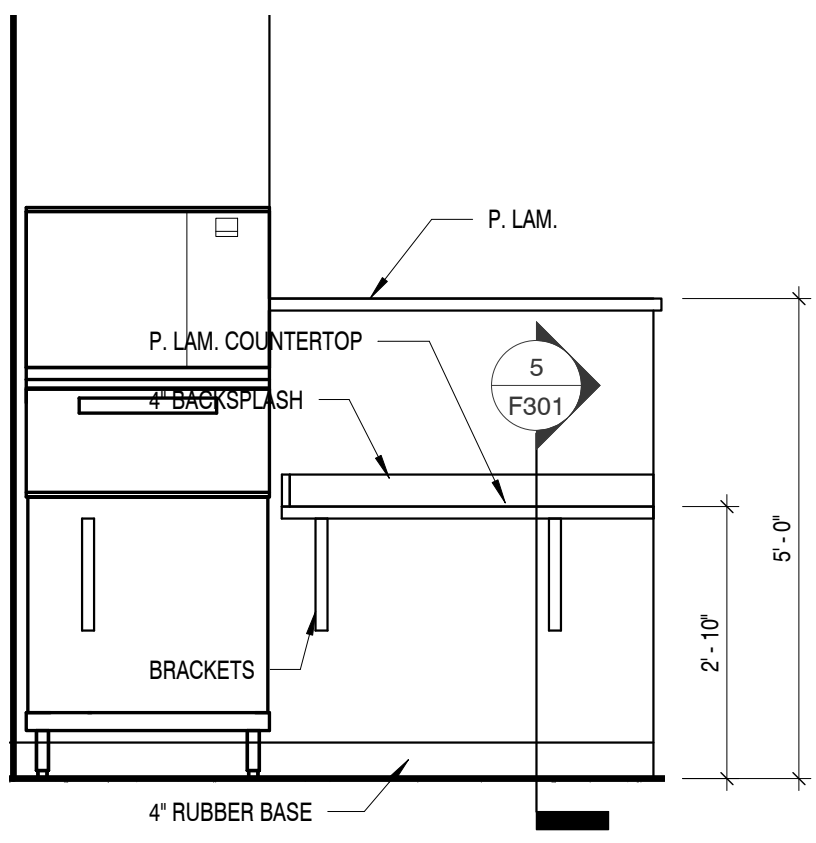
SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
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SHEET TITLE:

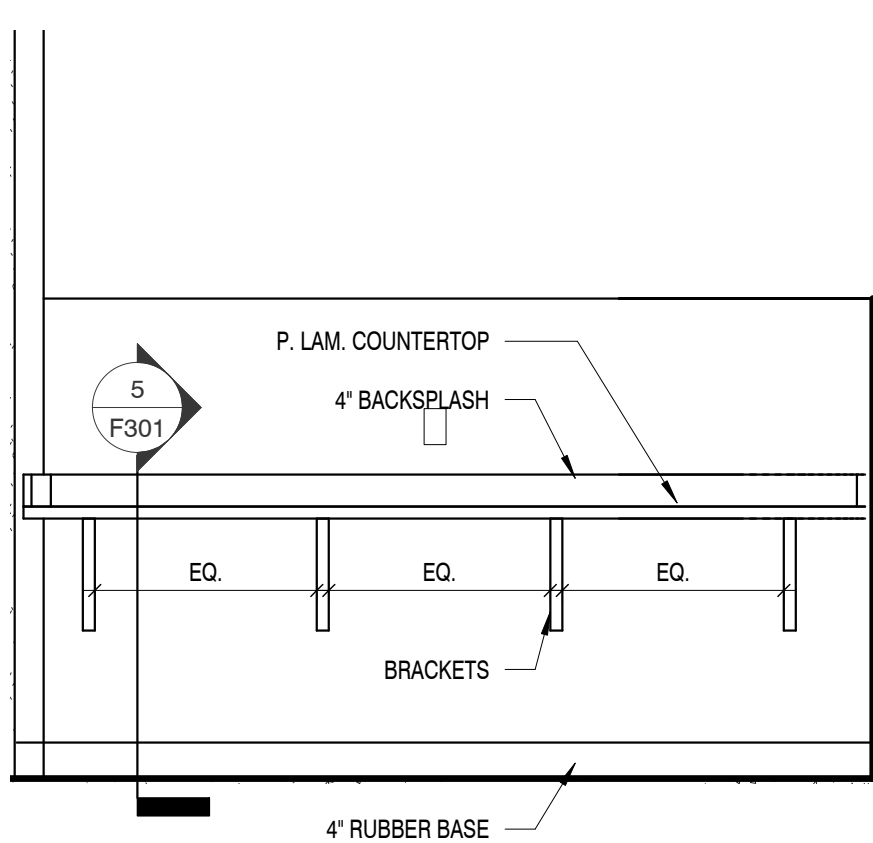
INTERIOR ELEVATIONS

SHEET NO.:

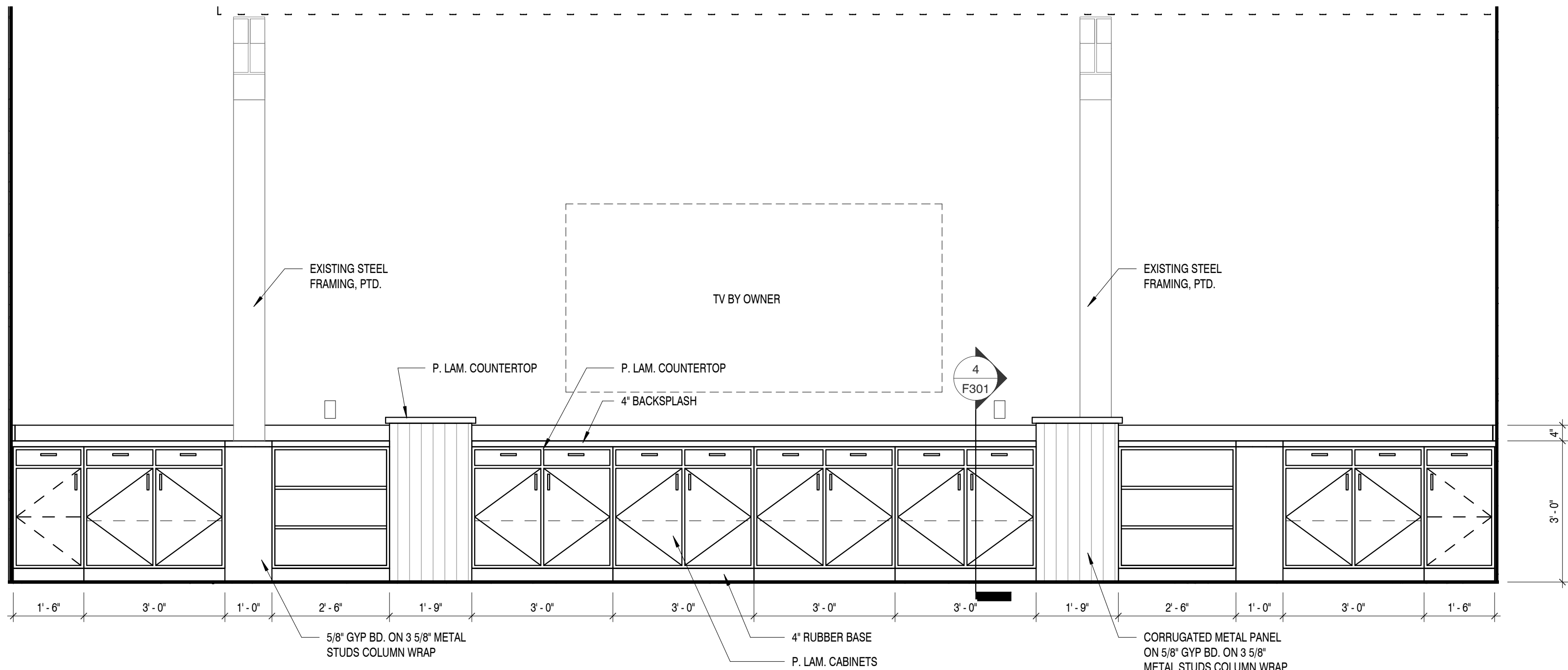




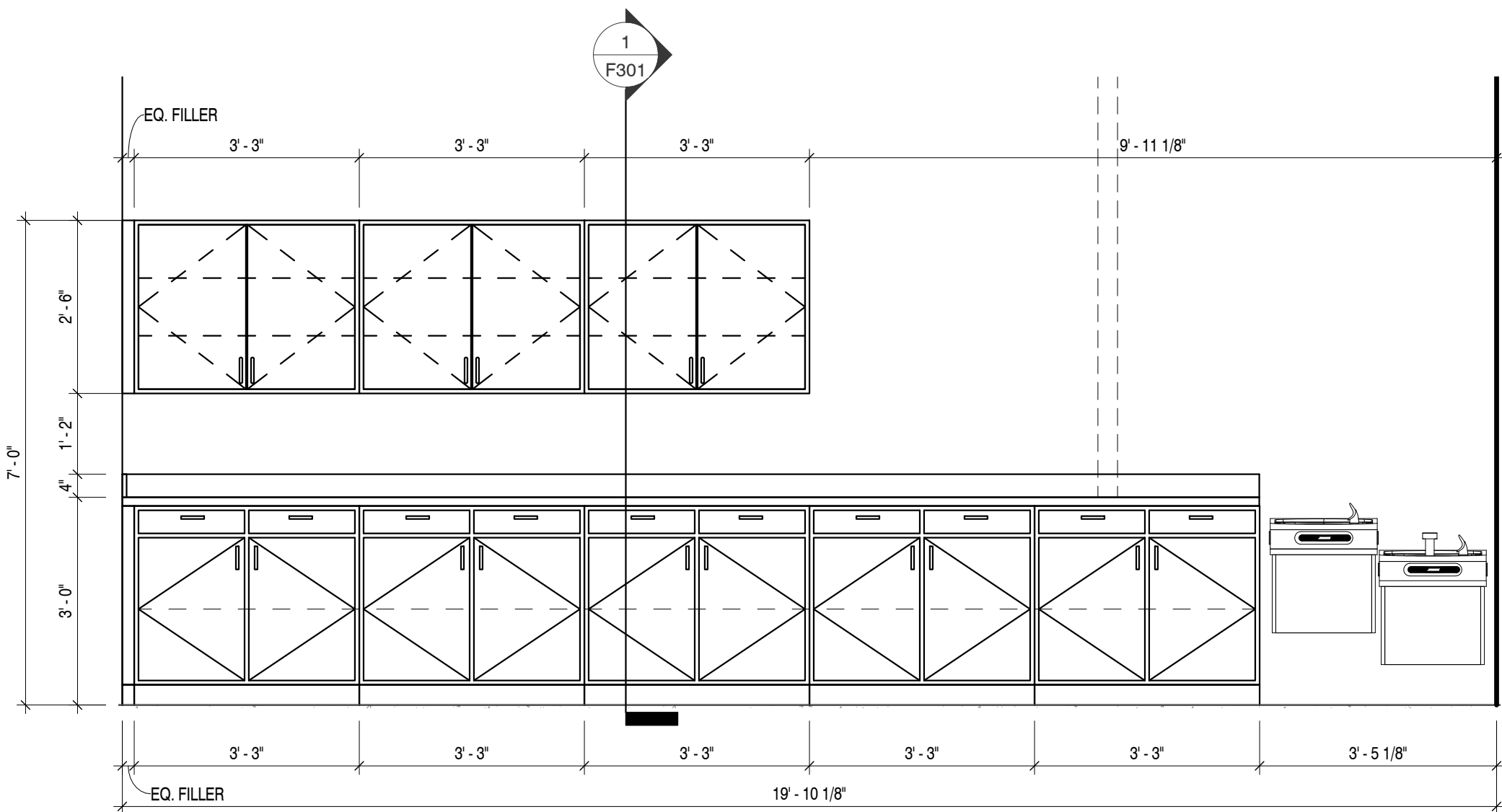
CONDIMENT COUNTER 1  
SCALE : 1/2" = 1'-0"



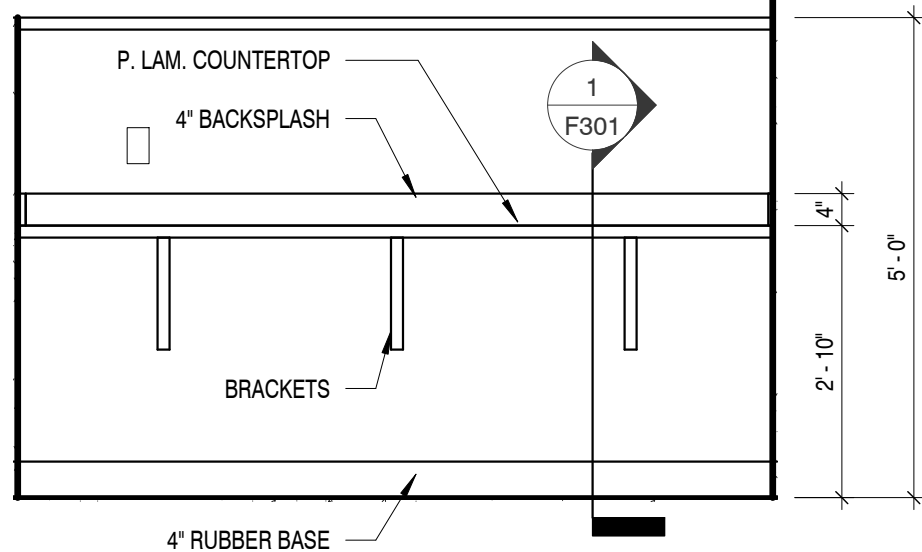
APPLICANT AREA INT. ELEVATION 3  
SCALE : 1/2" = 1'-0"



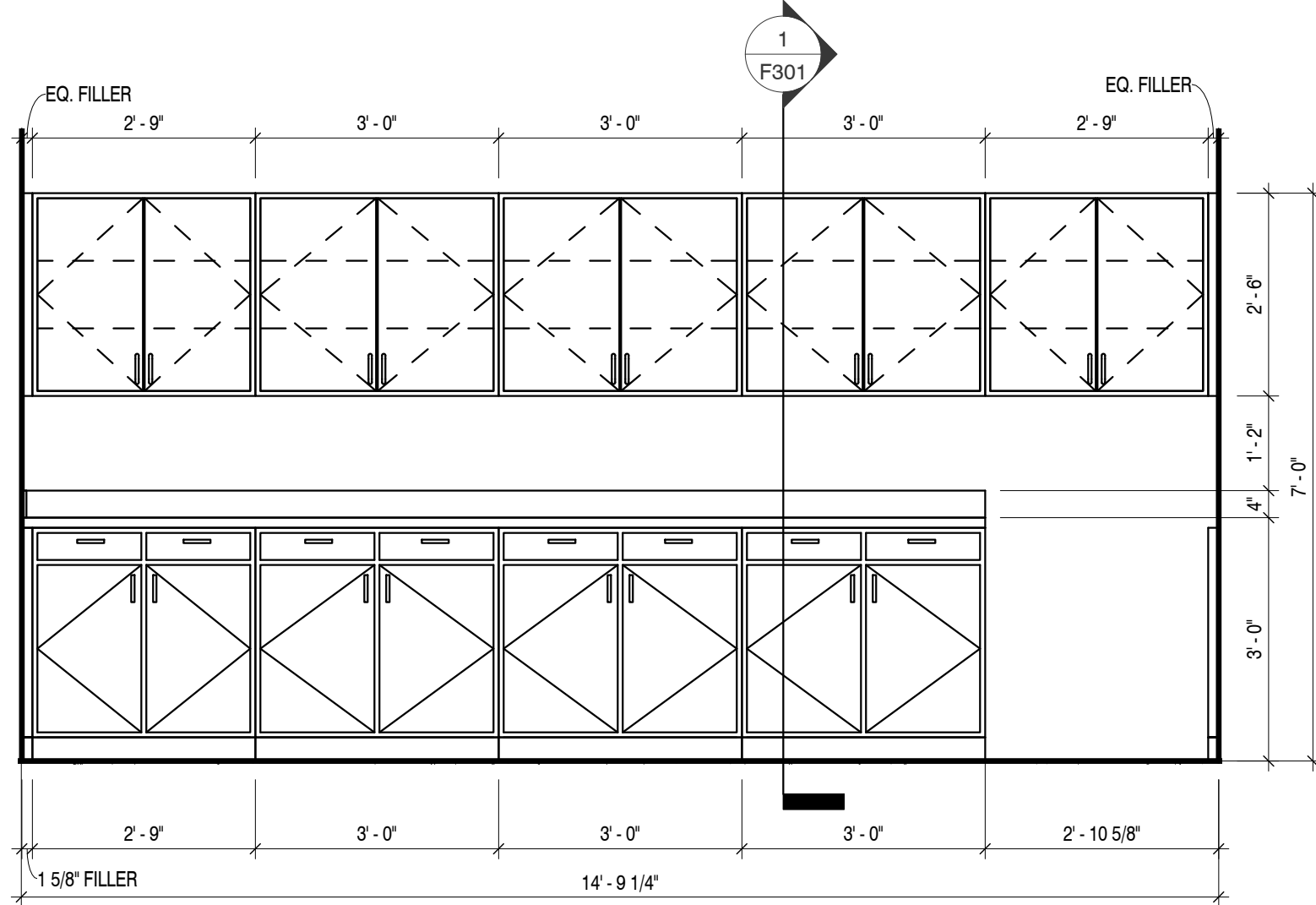
TRAINING CENTER INT. ELEV. 4  
SCALE : 1/2" = 1'-0"



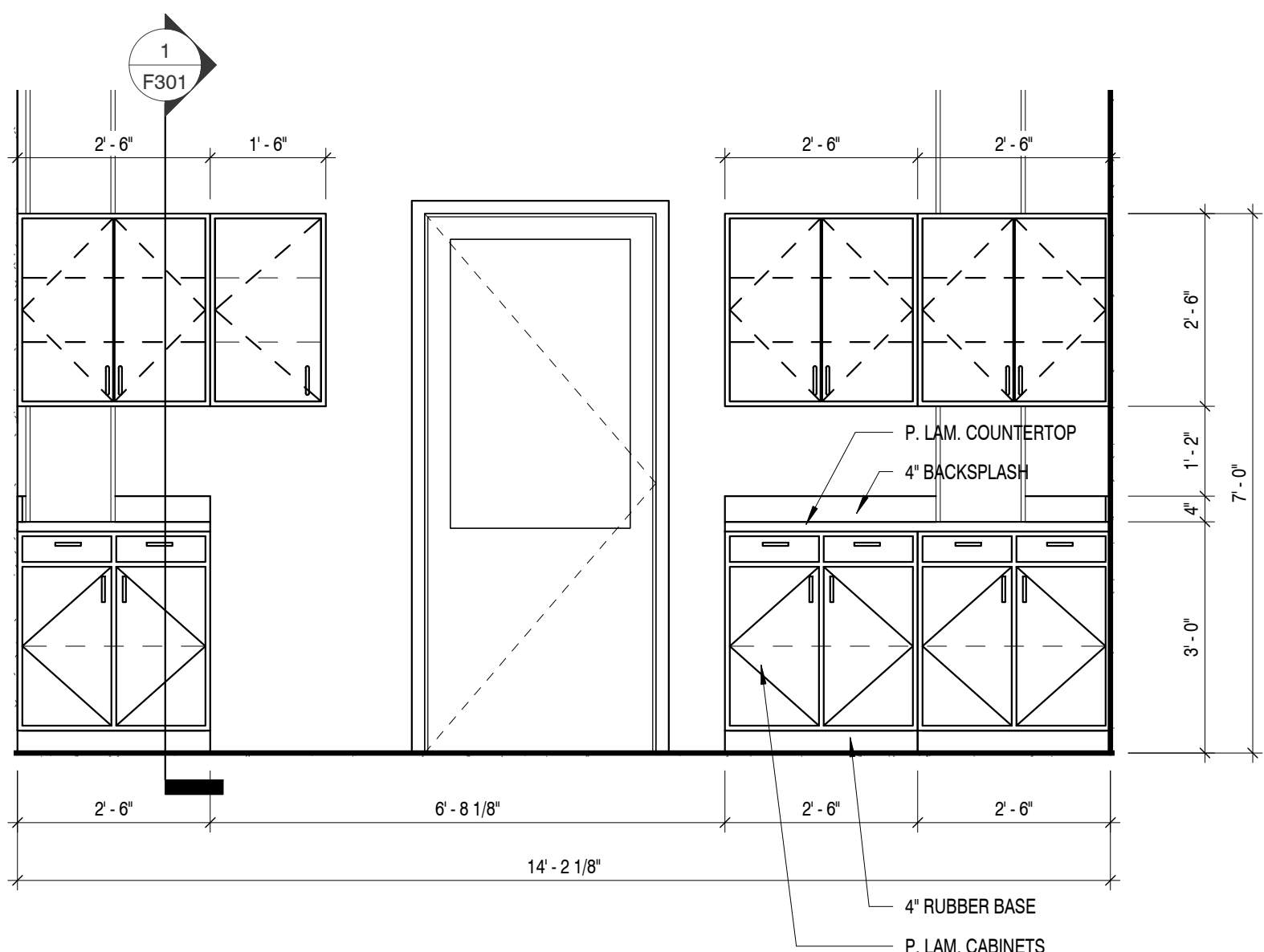
HALLWAY INT. ELEVATION 5  
SCALE : 1/2" = 1'-0"



TMX COORD. ELEVATION 6  
SCALE : 1/2" = 1'-0"



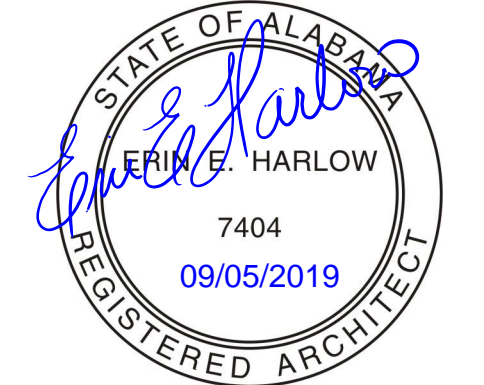
HALLWAY INT. ELEV. 7  
SCALE : 1/2" = 1'-0"



COPY INT. ELEVATION 8  
SCALE : 1/2" = 1'-0"

### GENERAL MILLWORK NOTES

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PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

### NOTES

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### REVISION INFORMATION

NO. DATE DESCRIPTION

### KEY PLAN

### SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: MES  
DRAWN BY: ARV  
REVIEWED BY: EEH  
SHEET TITLE:





SCALE : 1" = 1'-0"

1



SCALE : 1" = 1'-0"

2



SCALE : 1" = 1'-0"

3



SCALE : 1" = 1'-0"

4



SCALE : 1" = 1'-0"

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ARCH E1

GENERAL NOTES

1. Structural drawings are intended to be used in close coordination with the civil, architectural, mechanical, plumbing and electrical drawings. Any discrepancies or omissions shall be brought to the attention of the Architect and resolved prior to the beginning of construction.

2. Submit written request to the Architect for approval of any proposed change to the requirements of the contract documents. Splicing, cutting, notching or other alterations to structural members are not permitted without written authorization of the Structural Engineer. Any unauthorized deviation from the contract documents, and correction thereof, is the responsibility of the Contractor.

3. The Contractor is responsible for the means and methods of construction in regards to job site safety.

4. The Contractor shall verify all dimensions and conditions. The Architect shall be notified of any discrepancies.

5. The Contractor is responsible for bracing the structure prior to the completion of all roof, floor, and wall diaphragms.

6. The Contractor shall coordinate the structural foundation and framing layouts with other trades.

7. Where live loads for which each floor or portion thereof a commercial or industrial building is or has been designed to exceed 50 psf, such design live loads shall be conspicuously posted by the owner in that part of each story in which they apply using durable signs.

SUBMITTAL NOTES

1. The Structural Engineer's review is only for general conformance with the design concept, the construction documents and specifications. Corrections or comments made on this review do not relieve the contractor from compliance with the plans and specifications. Comments on this review do not authorize an increase in the construction budget.

2. Approval of shop drawings does not indicate acceptance of deviations from the contract documents, unless accepted by the Engineer in writing prior to submission of shop drawings. Conflicts resulting from such deviations, conflicts between this work and the work of other trades due to such deviations, and dimensional conflicts as a result of such deviations shall be deemed the Contractor's responsibility.

3. Any changes to the details shown in these contract documents shall be submitted in writing by RFI and approved by the Architect and Engineer prior to submitting shop drawings. All such changes shall be "tumbled" on the shop drawings and referenced to the proper RFI.

4. Submittals shall conform to the requirements of the contract documents. Non-conforming or non-reviewed submittals will be returned without review.

5. Submittals shall be checked and marked "Reviewed - No Exceptions Taken" by the Contractor prior to submittal to the Architect. Submittals that have not been reviewed by the Contractor prior to submittal will be returned without review.

6. Submittals shall not contain reproductions of the contract documents. Submittals containing such reproductions will be returned without review.

7. Submit the following items for the Engineer's review:

a) Concrete mix designs

b) Reinforcing steel

c) Construction joint locations in structural floors (1)

d) Construction joint locations in masonry walls

e) Structural steel (2)(3)

f) Steel joists and joist girders

g) Metal deck

h) Cold-formed steel framing (2)(3)

Footnotes:

(1) Approved construction joint locations may require additional reinforcing

(2) See material specific notes for items to be reviewed by a Specialty Engineer

(3) Calculations shall be submitted and signed/sealed by the Specialty Engineer

DESIGN CODES AND SPECIFICATIONS

Building Code

2015 International Building Code

Design Loads

ASCE 7-10: Minimum Design Loads for Buildings and Other Structures

Concrete

ACI 318-11: Building Code Requirements for Structural Concrete

ACI 315-99: Manual of Standard Practice for Detailing Concrete Structures

ACI 301-10: Specifications for Structural Concrete

ACI 305-1-06: Specifications for Hot Weather Concrete

ACI 306-1-00: Standard Specification for Cold Weather Concreting

ACI 302-1R-04: Guide for Concrete Floor and Slab Construction

ACI 304-R-00: Guide for Measuring, Mixing, Transporting and Placing...

CRSI 8th Edition: Placing Reinforcing Bars

AWS D1.4/D1.4M-2011: Structural Welding Code - Reinforcing Steel

AWS D1.1/D1.1M-2010: Structural Welding Code - Steel

Steel

AISI S100-10: North American Specification for the Design of Cold-formed Steel Structural Members, 2010.

Masonry

SSMA (ICC ES: ESR-3064P): Steel Stud Manufacturers Association Product Technical Information

Wood

2012 NDS: National Design Specification for Wood Construction

Aluminum

ADM1-10: Aluminum Design Manual

DESIGN LOADS

1. Dead Load

Flat Roof (less than 1:12 slope)

30 psf

Sloped Roof (1:12 slope and greater)

20 psf

2. Live Load

Risk Category

20 psf

3. Snow Load

Ground Snow Load, Pg

10 psf

Risk Category

Importance Factor, I

1.0

Exposure Factor, Ce

1.0

Thermal Factor, Ct

1.0

Flat Roof Snow Load, Pf

7 psf

4. Wind Load

Ultimate Wind Speed

115 mph

Nominal Wind Speed

90 mph

Risk Category

II

Exposure Category

C

Enclosure Classification

Enclosed

Internal Pressure Coefficient

-0.18

Mean Roof Height, h

17.83 ft

Velocity Pressure, qh

15.2 psf

Wall C&G Pressure (zone 5)

Effective Area < 50 sf

+15.5 / -20.0 psf

50 sf < Effective Area < 100 sf

+14.7 / -18.5 psf

Effective Area ≥ 100 sf

+14.0 / -17.0 psf

Roof C&G Pressure (flat roof, zone 3)

Effective Area < 50 sf

+10.0 / -26.5 psf

50 sf < Effective Area < 100 sf

+10.0 / -23.6 psf

Effective Area ≥ 100 sf

+10.0 / -21.0 psf

Note: Wind pressures above are reported at nominal level (0.6W)

5. Seismic Load

Risk Category

II

Importance Factor, I

1.0

Site Class

D

Mapped Acceleration Parameters

Se

25.0%

S1

11.7%

Design Spectral Acceleration Parameters

Sds

0.267

Sd1

0.182

Seismic Design Category

C

Analysis Method

Equivalent Lateral Force

Basic Seismic Force Resisting System

Bearing Wall System: Structural Steel System not Specifically Detailed for Seismic Resistance

Response Modification Coefficient, R

3

System Overstrength Factor, Co

2.5

Deflection Amplification Factor, Cd

3

Seismic Base Shear Coefficient, Cs

0.089

SPECIALTY ENGINEER REQUIREMENTS

1. Steel pan stairs shall be designed by the steel fabricator's specialty engineer. The design shall include stringers, treads, hand railings, platforms, pan inserts, miscellaneous supports and connections. Shop drawings shall be submitted for review and must be signed and sealed by a Professional Engineer registered in the same state as the project location. Shop drawings not signed and sealed will be rejected without review. A minimum design live load of 100 psf shall be used.

2. Handrails, posts and support connections shall be designed by the steel fabricator's specialty engineer. Shop drawings shall be submitted for review and must be signed and sealed by a Professional Engineer registered in the same state as the project location. Shop drawings not signed and sealed will be rejected without review. Design loads shall conform to all requirements of the governing building code. Handrail assemblies guards shall also be designed for the following minimum criteria:

a) 50 lb per linear foot in any direction

b) Single concentrated load of 200 lbs applied in any direction

c) Intermediate rails designed to withstand a horizontal applied normal load of 50 lbs on an 1'-0" x 1'-0" area

d) Grab bars to resist a single concentrated load of 250 lbs applied in any direction

3. Exterior curtain walls shall be designed by the vendor's specialty engineer. The design shall include frame, glass, glazing and connections. Shop drawings shall be submitted for review and must be signed and sealed by a Professional Engineer registered in the same state as the project location. Shop drawings not signed and sealed will be rejected without review. Design loads shall conform to all requirements of the governing building code. Shop drawings shall contain anticipated load reactions that will be applied to the supporting structure.

FOUNDATION NOTES

1. Foundation design parameters have been assumed and should be verified by a Geotechnical Engineer prior to construction.

2. Foundation design parameters:

a) Minimum Frost Protection Depth = 18"

b) Allowable Soil Bearing Pressure = 2000 psf

c) Subgrade Modulus = 100 pci

3. All footings shall bear on firm undisturbed residual soil and/or engineered earth fill compacted to 98% of its maximum dry density as per ASTM D698 (Standard Proctor), unless noted otherwise. THE SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

4. Provide the minimum frost depth protection depth from finished grade to the bottom of any prior footings or turn down building slab. Also provide a minimum of 1'-0" cover from finished grade to the top of any exterior footing. Contractor to coordinate the location and depths of footing steps as required by finished grade conditions.

5. Contractor to coordinate the location and depths of footing steps as required to allow for the passage of underground plumbing and utilities.

6. Backfill retaining walls with clean crushed stone (No. 57 or 67 spec) 2'-6" wide (minimum) from the top of the footing to within 1'-0" of finished grade.

7. Provide 6" diameter perforated pipe footing drains at all retaining walls and foundation walls in which finished grade occurs above the finished floor elevation. Footing drains are to be totally independent and not connect with any other type of water drainage systems except at the footing drain terminations. The Architect or Structural Engineer should approve connections at the footing drain terminations.

8. Provide continuous waterproofs between footings and concrete/masonry walls at locations where finished grade is located above the adjacent finished floor or at floor pits (i.e. elevator shaft).

9. Contractor shall treat soil on rear slabs, footings and crawl spaces with EPA approved chemical vermin control or as required per the building code.

10. Refer to the mechanical, plumbing or electrical drawings for concrete pads and foundations not shown on the structural drawings.

CONCRETE NOTES

1. All concrete elements shall be installed and detailed in accordance with the appropriate ACI documents. Contractor to have copies of the ACI documents at the job site during construction.

2. Concrete compressive strength, fc, at 28-days shall be as follows at minimum unless noted otherwise:

a) Footings: 3000 psi (2500 psi used in design)

b) Grade Beams and Pile Caps: 4000 psi

c) Interior Slabs on Grade Less Than 6" Thick: 3000 psi (non air entrained)

d) Interior Slabs on Grade Greater Than or Equal to 6" Thick: 4000 psi (non air entrained)

e) Formed Walls, Beams, Structural Slabs and Rafters: 4000 psi

f) Elevated Slabs: 4000 psi

g) CMU Core Fill: 3000 psi

h) Concrete Exposed to Weather: 4000 psi (w/ 4%-8% air entrainment)

3. The maximum water-to-cement ratio shall be as follows:

a) Concrete exposed to freezing and thawing: 0.50

b) Concrete subject to deicers and/or required to be watertight: 0.45

c) All other concrete types: 0.58

4. Concrete mix designs shall be submitted as follows:

a) Each mix design shall be labeled to indicate the area in which the concrete is to be placed (i.e. foundations, slab on grade, columns, etc.). Failure to do so will cause delay and/or rejection of submittals.

b) Proposed mix design shall be in accordance with Method 1 or Method 2 of ACI 301. Provide supporting data in tabular form for each separate proposed mix.

c) Submit concrete mix designs for each proposed class of concrete.

5. Fly ash, meeting ASTM C618 Class C or Class F may be used to replace up to 25% of Portland cement. Contractor and supplier shall coordinate to ensure that required set times for concrete are not adversely affected by use of fly ash. Contractor and all concrete subcontractors shall have experience with handling, placing and finishing concrete with fly ash.

6. Grout used in grout beds under column base plates shall be cement based, non shrink grout. The grout shall exhibit no shrinkage in accordance with ASTM C827, "Test Method for Early Volume Change of Cementitious Mixtures" and shall have a minimum 28-day compressive strength of 5000 psi when tested in accordance with ASTM C109, "Test Method for Compressive Strength of Hydraulic Cement Mortars."

7. The following minimum concrete cover shall be provided for reinforcing bars:

a) Cast against and permanently exposed earth: 3"

b) Formed and exposed to earth or weather (#6 thru #18 bars): 2"

c) Formed and exposed to earth or weather (#5 bars, W31 wire and smaller): 1-1/2"

d) Slabs, walls & joists formed and not exposed to weather or in contact with the ground (#11 bar and smaller): 3/4"

e) Beams, girders & columns formed and not exposed to weather or in contact with the ground: 1-1/2"

8. Unless noted otherwise, slabs on grade shall be 4" thick with 6x6-W1.4xW1.4 W.W.F. on 15 mil polyethylene vapor barrier on 4" thick crushed stone base.

9. Slab on grade construction joints may be saw cuts 1/8" wide x 1/4 slab thickness as detailed or other submitted and approved method. Joints shall be placed at 24'-0" o.c. maximum spacing. Areas created by joints shall have a maximum aspect ratio of 1:5:1.

10. Slab on grade construction joints shall be as detailed or other submitted and approved method.

11. Vapor barrier shall be placed over prepared base material where indicated below slabs on grade. Vapor barrier shall be no less than 15 mil thick in accordance with ACI 302.1R.

12. Vapor barrier shall conform to ASTM E1745, Class B or higher unless noted otherwise. The membrane shall have a water-vapor permeance rate no greater than 0.5 perms when tested in accordance with ASTM E154, Section 11, a minimum tensile strength of 30 lb/in when tested in accordance with ASTM E154, Section 9 and a resistance to puncture of 1700 grams in accordance with ASTM E154, Section 10.

13. Vapor barrier shall be arranged in a layout to minimize seams and penetrations. Overlap all seams a minimum of 6" and seal with tape. All penetrations must be sealed using a combination of seam tape and mastic in accordance with manufacturer's latest printed instructions.

14. See architectural, mechanical, plumbing, fire protection and electrical drawings for drips, changers, registers, slots, sleeves, rusticators, inserts and anchors not noted on structural drawings. Unless shown on structural drawings, no openings larger than 12" x 12" shall be placed in slabs or walls without prior approval from the Architect or Engineer. Approvals must be obtained prior to fabrication of steel and placement of concrete.

15. Contractor to include with contract price an allowance for two (2) cubic yards of reinforced concrete including materials and labor.

REINFORCING STEEL NOTES

1. Reinforcing steel and accessories shall be detailed, fabricated and placed in accordance with the latest edition of the ACI Detailing Manual. Provide shop drawings for reinforcing steel prior to fabrication.

2. Bar reinforcing shall conform to ASTM A615, Grade 60.

3. Welded bar reinforcing shall conform to ASTM A706, Grade 60.

4. Bar reinforcing lap splices shall be Class "B" but not less than 24", unless noted otherwise.

STEEL JOIST AND GIRDER NOTES

1. Steel joists, joist girders and associated bridging shall be designed, fabricated, erected, etc. as per the latest edition of the SJI Standard Specifications and the applicable OSHA standards.

2. Steel joists shall be designed for the uniform Allowable Stress Design (ASD) loads specified in the SJI Load Tables and Weight Tables for Steel Joists and Joist Girders and the concentrated loads indicated on the drawings and/or joist diagrams.

3. Joist manufacturer to supply material and specification for installation of field located elements such as diagonals to be placed at HVAC supports, bottom chord extensions not sized on the drawings, etc.

4. Submit shop drawings of steel joists and joist girders prior to fabrication.

5. All joists and joist girders framing into columns shall have erection bolts and be field welded into final position. Bottom chords are to be extended to columns and stabilized by a vertical stabilizer plate to prevent rotation during erection. Bottom chord should not be rigidly attached to vertical stabilizer plate unless noted otherwise. Vertical stabilizer plate shall be a minimum of 6" x 6" and shall extend a minimum of 3" below the bottom chord of the joist with a 13/16" hole to provide an attachment point for guying or plumbing cables.

REINFORCING STEEL NOTES

5. Reinforcing shall be held securely in position with standard accessories in accordance with ACI 315 and CRSI Manual of Standard Practice.

6. Welded wire fabric shall conform to ASTM A185.

7. Welded wire fabric lap splices shall be the cross wire spacing plus 6" but not less than 10"

8. Welded wire fabric located in concrete slabs shall be located in the center of the slab unless noted otherwise. Supports used shall be spaced at a maximum of 9'-0" o.c. in any direction.

9. Provide top steel reinforcing, same size and spacing as bottom steel, in footings at any location where the soil changes from residual to engineered fill. Top steel shall extend 8'-0" minimum each side of the soil transition area. Use #3 stirrups at 18" o.c. at these locations to tie top and bottom steel.

10. Provide top steel reinforcing, same size and spacing as bottom steel, in footings at any corner in load bearing walls. Top steel shall extend 8'-0" minimum each way from the wall corner. Use #3 stirrups at 18" o.c. at these locations to tie top and bottom reinforcing.

11. Provide (2) #4 bars x 4'-0" long in slabs on grade at all re-entrant corners, contraction joint terminations and isolation joint terminations.

12. Provide 2'-6" x 2'-6" corner bars at the corners of all continuously reinforced elements such as footings, walls, bond beams, etc. Corner bars shall be the same size, spacing, location and quantity as the continuous reinforcing.

STEEL JOIST AND GIRDER NOTES

6. Any hangers except ceiling support wires supported from joists shall be placed at panel points and connected without drilling holes in joists or field welding.

7. K-series joists supported by masonry walls to bear on 4x8x3/8" minimum bearing plates with (1) 1/2" diameter x 4" long headed studs unless noted otherwise.

8. LH-series joists supported by masonry walls to bear on 6x8x1/2" minimum bearing plates with (3) 1/2" diameter x 6" long headed studs unless noted otherwise.

9. Coordinate elevations of wall ledgers and beams when parallel to steel joists with spans equal to or greater than 60'-0" to accommodate standard joist camber.

GALVANIZED STEEL NOTES

1. All steel exposed to earth or weather, including exposed Intel angles, shall be galvanized unless directed otherwise by Architect.

2. Hot-dip galvanizing shall be performed in accordance with ASTM A123 for fasteners with minimum coating thickness as specified in ASTM standards. Standard practice for fasteners and isolation joint terminations.

3. Galvanizer shall submit certificate of conformance as a part of the steel shop drawing submittal stating that project specifications have been met.

4. If galvanized steel is stored for a period in excess of one month after galvanizing, galvanizer and/or fabricator shall package and store the material by methods required to prevent light or nested stacks and to avoid development of zinc coating.

5. For a metal thickness than 3/4", drill holes in steel. For material 3/4" or less, punched holes are acceptable. Punched holes shall be punched undersized and then reamed an additional 1/8" overall. All holes shall be tapped after galvanizing to remove coating on interior surface of hole. All bolts used for connections at galvanized steel members shall be galvanized per noted standards.

6. Weld rods used for welds at galvanized steel shall be composed of no more than 25% silicon material.

7. Damaged areas, bare spots, welds and field connections shall be touch-up galvanized per methods stipulated in ASTM A780.

8. Refer to ASTM A143, A384 and D386 for additional standard practices related to special conditions for hot-dip galvanizing.

9. Galvanized facing surfaces at slip critical connections shall be hot-dip galvanized in accordance with ASTM A123 and shall be roughened by means of hand wire brushing. Power wire brushing is not permitted.

COLD-FORMED STEEL (CFS) NOTES

1. Cold-formed steel framing shall be designed, detailed and installed per the latest editions of the NASPEC and SSMA Product Technical Information.

2. Cold-formed steel framing not designed and detailed in the structural drawings shall be designed by a specialty engineer employed by the framing sub-contractor. The design shall include exterior and interior wall assemblies, ceiling assemblies and other miscellaneous drawings.

3. Submit shop drawings which include the following items:

a) Plan layout showing location of cold-formed steel framing members and assemblies, including type, spacing and gauge of members

b) Accessories and details required for proper installation

c) Permanent and/or supplemental bracing, strapping, bridging, etc.

d) Structural calculations, signed and sealed by a Professional Engineer registered in the same state as the project location, to verify the framing assembly's ability to meet or exceed the loads set forth by the governing building code

4. For proprietary cold-formed steel framing materials to be considered as an equal product, the Contractor shall submit product data, installation details and any other supplemental information required by the Structural Engineer with the shop drawing submittal.

5. Cold-formed steel material and minimum yield strength shall be as follows based on material thickness:

a) 30 and 43 mil: ASTM A955 Grade A, Fy = 33 ksi

b) 54, 68 and 89 mil: ASTM A955 Grade A, Fy = 50 ksi

6. Deflection criteria for walls shall be as follows:

a) Interior: Height (inches) / 240

b) Exterior: Height (inches) / 240

7. All structural cold-formed steel framing shall be factory color coded to provide a suitable visible means of field checking for proper location of gauge material. Submit color coding schedule with shop drawing submittal prior to installation.

8. Interior non-load bearing walls shall be sized as follows unless noted otherwise in the structural drawings or as directed by the specialty engineer (stud size @ spacing / maximum unbraced height). Walls assumed to be supported at top and bottom of wall at 4'-0" on center max.

a) 3x2S125-18 @ 16" o.c. / 10'-0"

b) 3x2S125-27 @ 16" o.c. / 12'-8"

c) 3x2S125-33 @ 16" o.c. / 15'-4"

d) 3x2S125-43 @ 16" o.c. / 16'-8"

e) 600S125-27 @ 16" o.c. / 19'-6"

f) 600S125-33 @ 16" o.c. / 22'-8"

g) 600S125-43 @ 16" o.c. / 24'-9"

9. Exterior non-load bearing walls shall be sized as follows unless noted otherwise in the structural drawings or as directed by the specialty engineer (stud size @ spacing / maximum unbraced height). Walls assumed to be supported at top and bottom of wall at 4'-0" on center max.

a) 3x2S125-18 @ 16" o.c. / 10'-0"

b) 3x2S125-27 @ 16" o.c. / 12'-8"

c) 3x2S125-33 @ 16" o.c. / 15'-4"

d) 3x2S125-43 @ 16" o.c. / 16'-8"

e) 600S125-27 @ 16" o.c. / 19'-6"

f) 600S125-33 @ 16" o.c. / 22'-8"

g) 600S125-43 @ 16" o.c. / 24'-9"

10. Continuous lateral bracing such as cold-formed steel channels welded or suitably fastened to each stud shall be provided at 4'-0" on center in the following instances unless noted otherwise:

a) Load bearing walls

b) Exterior walls

c) Interior non-load bearing partition walls without gypsum board applied to each side

11. Wall studs shall be positioned vertically between top and bottom tracks and spaced no greater than 16" on center unless noted otherwise. Securely anchor each stud to the top or bottom track with (2) #12-14 x 5/8" hex or pan head screws with one screw in each flange.

12. Wall studs shall be cut to proper length to provide a tight fit between the stud and the web of the track so as not to have the screws carrying the structural loads.

13. Top and bottom tracks shall be the same gauge as the studs unless noted otherwise.

14. At track butt joints, abutting pieces of track shall be securely anchored to a common structural element or be butt welded and/or mechanically spliced together.

15. Top and bottom tracks shall be securely anchored to the supporting structure as detailed in the structural drawings or as directed by the specialty engineer.

16. Post-installed adhesive anchors for connecting cold-formed steel members to concrete or masonry shall use approved adhesive anchors listed in Post-Installed Anchor Notes. Threaded rods shall be ASTM A36 material. Submit request to Structural Engineer to use alternate adhesive for approval prior to installation.

17. Post-installed expansion/screw anchors for connecting cold-formed steel members to concrete or masonry shall use approved mechanical anchors listed in Post-Installed Anchor Notes. Threaded rods shall be ASTM A36 material. Submit request to Structural Engineer to use alternate expansion/screw anchor for approval prior to installation.

18. Screws for steel-to-steel and rigid material-to-steel (i.e. wood structural sheathing, gypsum board, etc.) shall be corrosion-resistant coated, self-drilling tapping screws conforming to ASTM C1513.

19. Attach exterior gypsum sheathing to exterior of each stud with #12-14 x 1" water or bugle head screws located 3/8" from ends and edges and spaced at 8" on center max.

20. Stud splices shall not occur in load bearing walls or between brace points in non-load bearing walls.

21. Jack or cripple studs same size, gauge and spacing as primary wall studs shall be installed below window sills, above window and door heads, at freestanding stair rails and elsewhere to furnish support and shall be securely attached to supporting members.

22. Provide at minimum one jamb and one king stud same size and gauge as primary walls studs at each side of window or door headers unless noted otherwise.

23. All welds shall be touched up with a zinc-rich paint.

24. Provisions for vertical structural displacement shall be provided at stud brace points for all non-load bearing walls and partitions.

25. All load bearing walls, lateral bracing, etc. shall be field reviewed by the Architect or Structural Engineer prior to being concealed.

ACTIVE DESIGN PHASE

☐ FOR REVIEW ONLY

☐ FOR PERMITTING ONLY

☐ SCHEMATIC DESIGN

☐ DESIGN DEVELOPMENT

☐ CONSTRUCTION DOCUMENTS

☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.

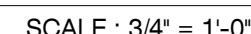
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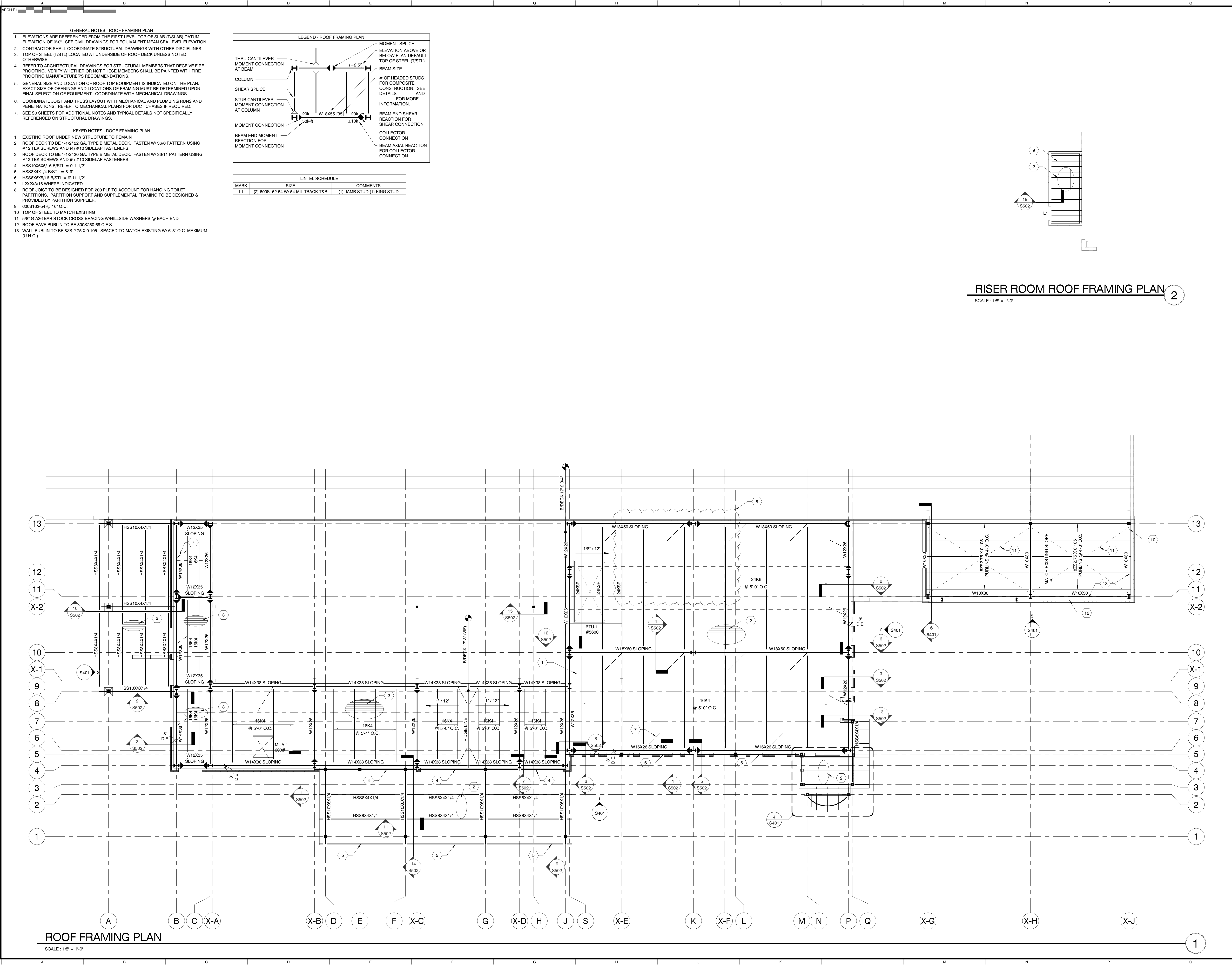
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CONSULTANT

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18025 COUNTY ROAD 41  
ADDITION, AL 35540

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

REVISION INFORMATION

KEY PLAN

SHEET INFORMATION

ROOF FRAMING PLAN

SHEET NO.: S301

THE DESIGN PROFESSIONAL DENIES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT WHEN THEY CONVEY OR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON MANUFACTURING FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDITION, AL 35540

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

REVISION INFORMATION

KEY PLAN

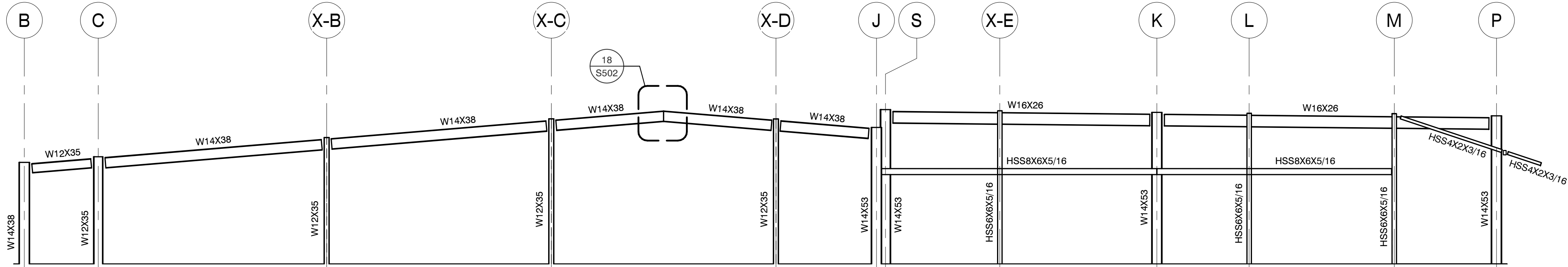
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ROOF FRAMING PLAN

SHEET NO.: S301



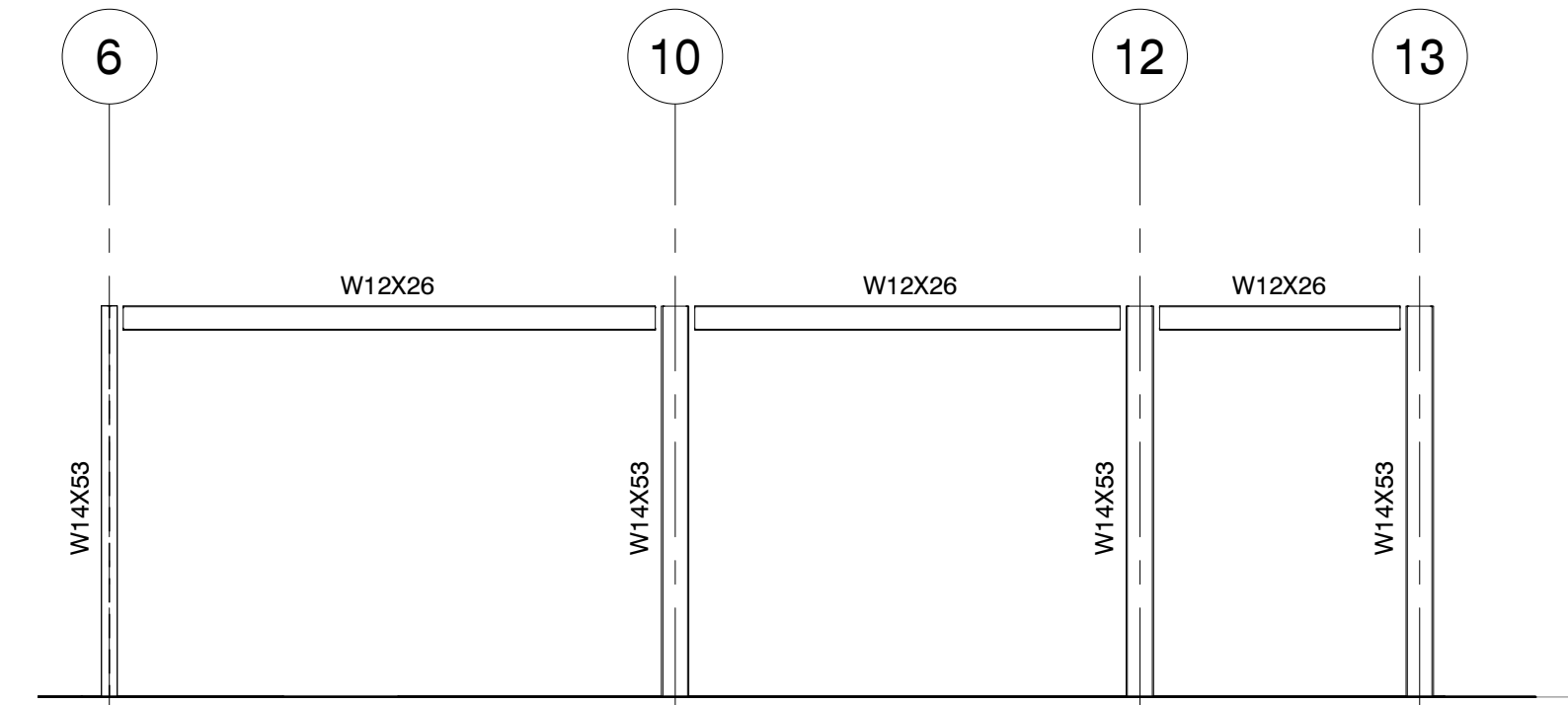
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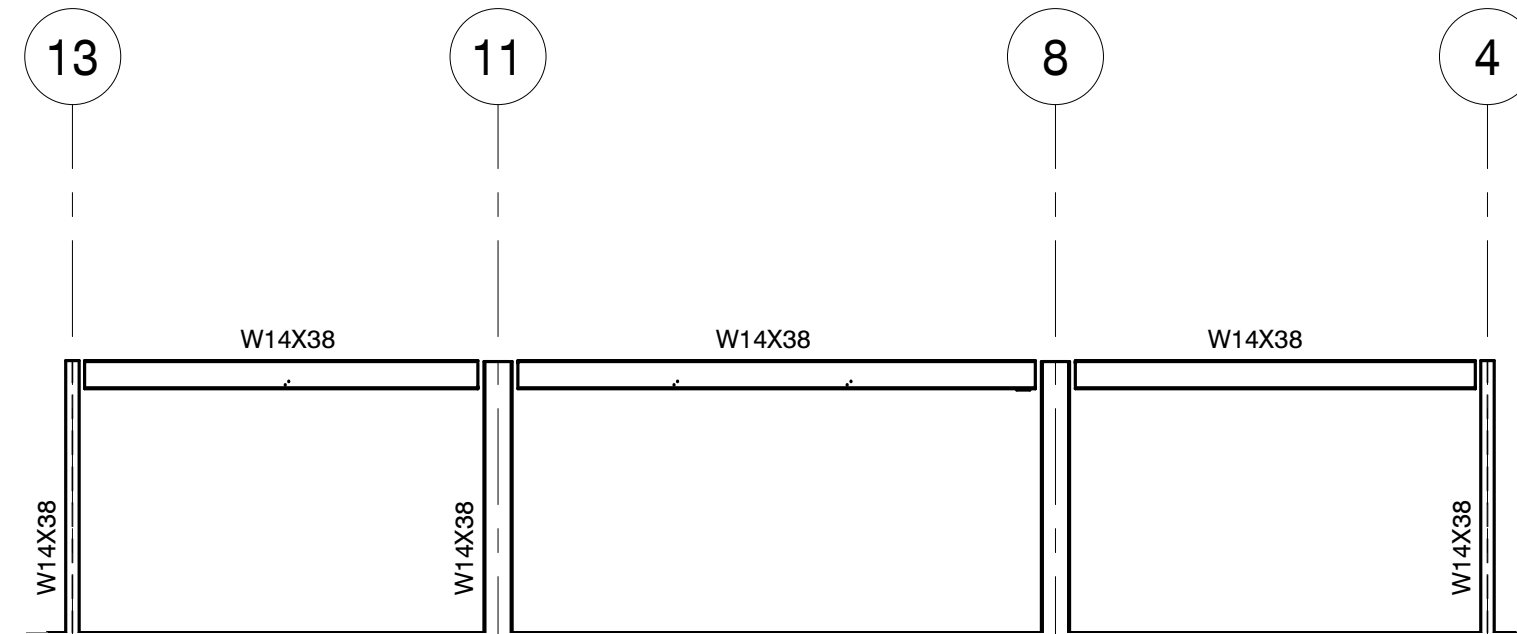
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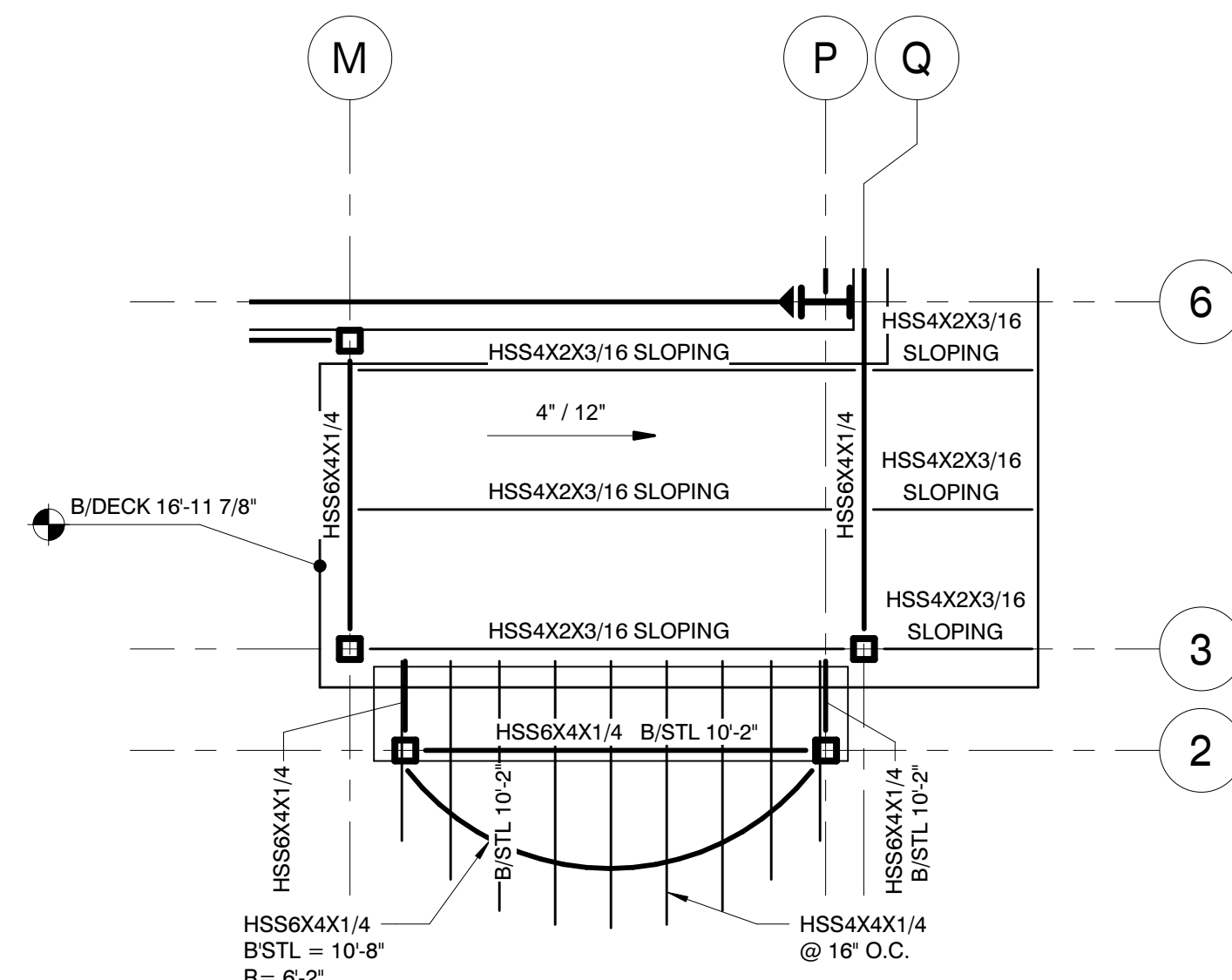
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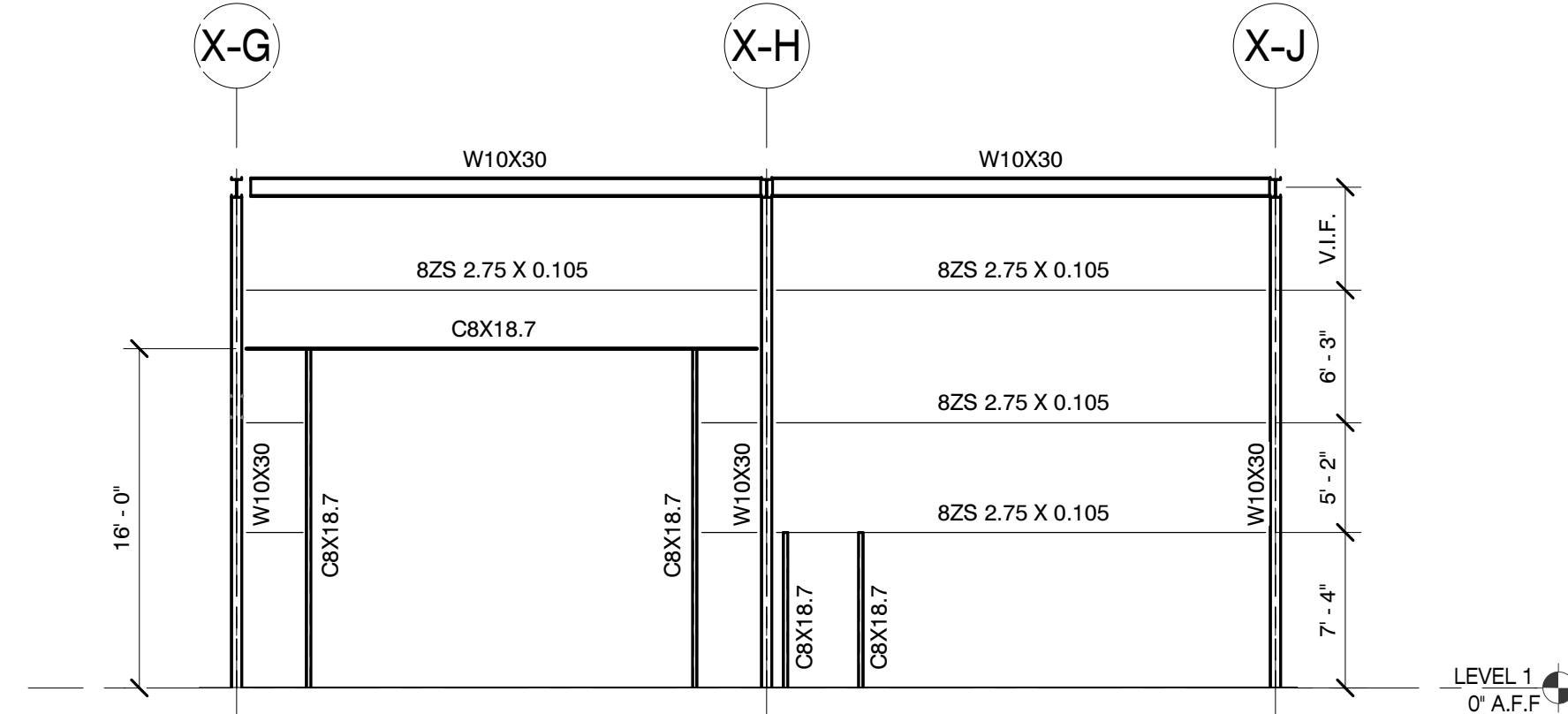
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ENLARGED FRAMING PLAN

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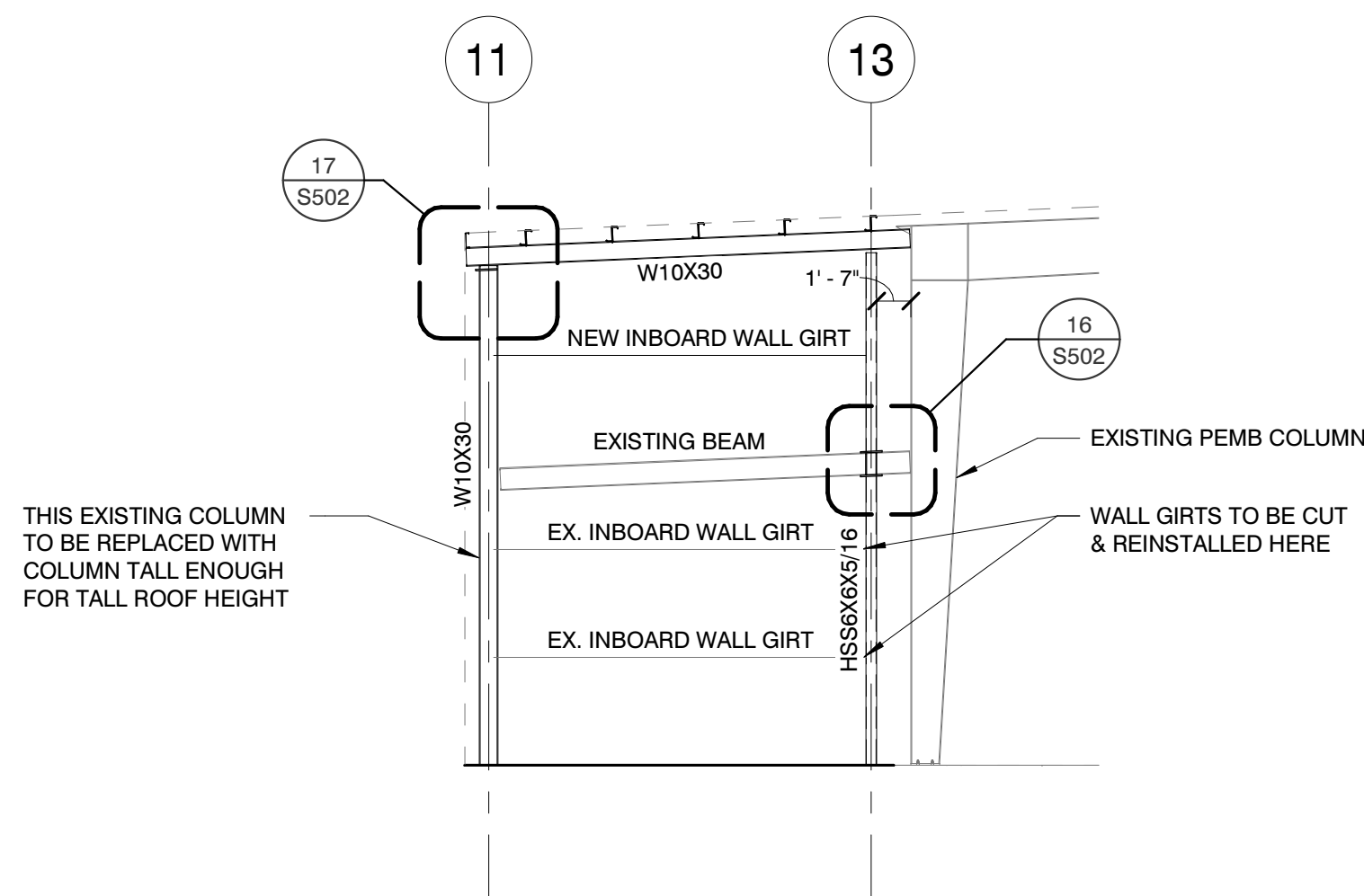
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FRAMING ELEVATION

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FRAMING ELEVATION

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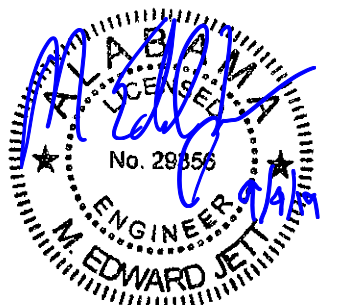
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PROJECT INFORMATION

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CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

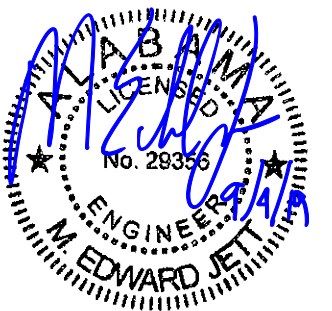
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DESIGNED BY: ZJB  
DRAWN BY: JCP  
REVIEWED BY: RMG  
SHEET TITLE:

FRAMING ELEVATIONS

SHEET NO.:

S401





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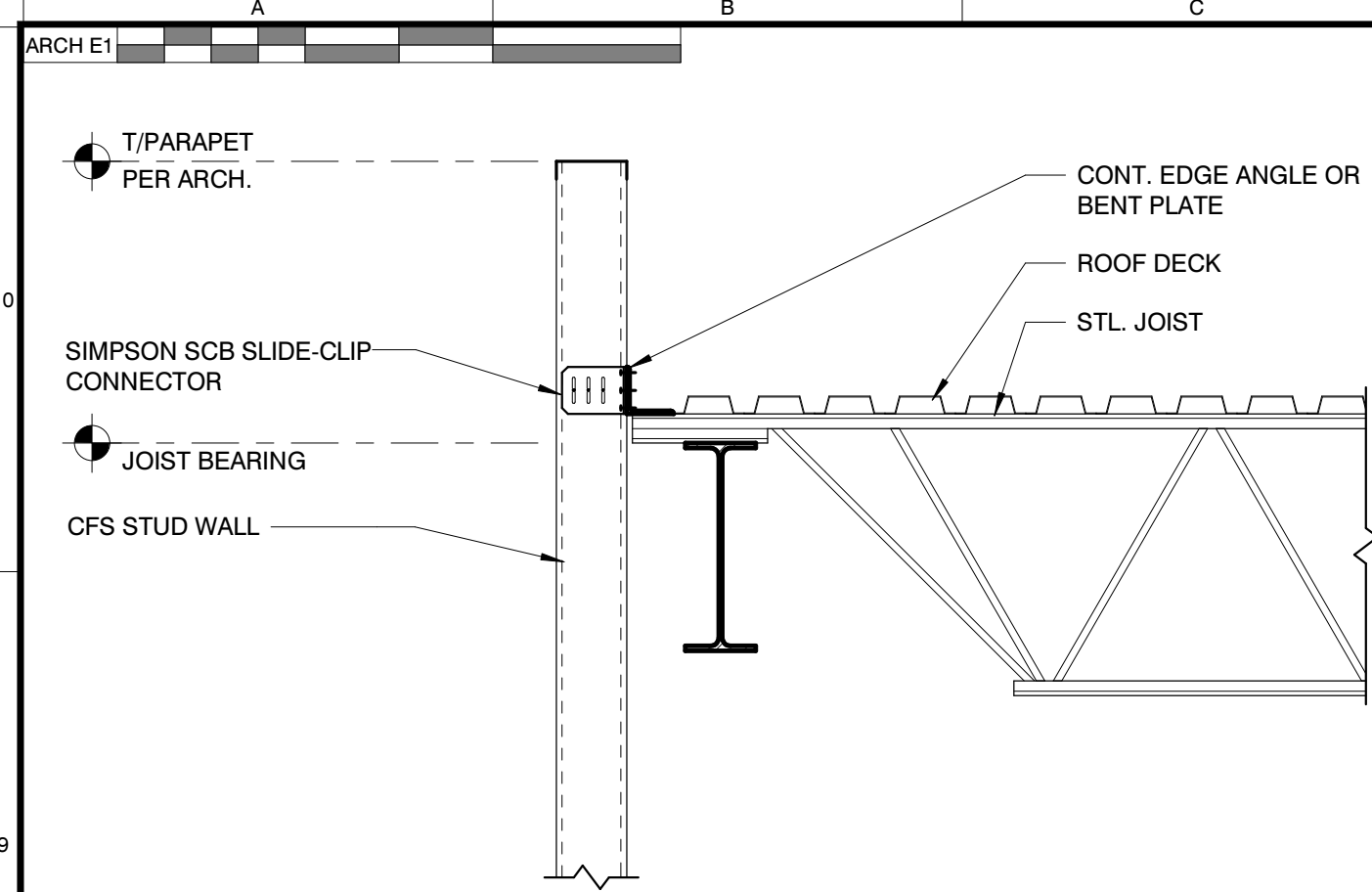
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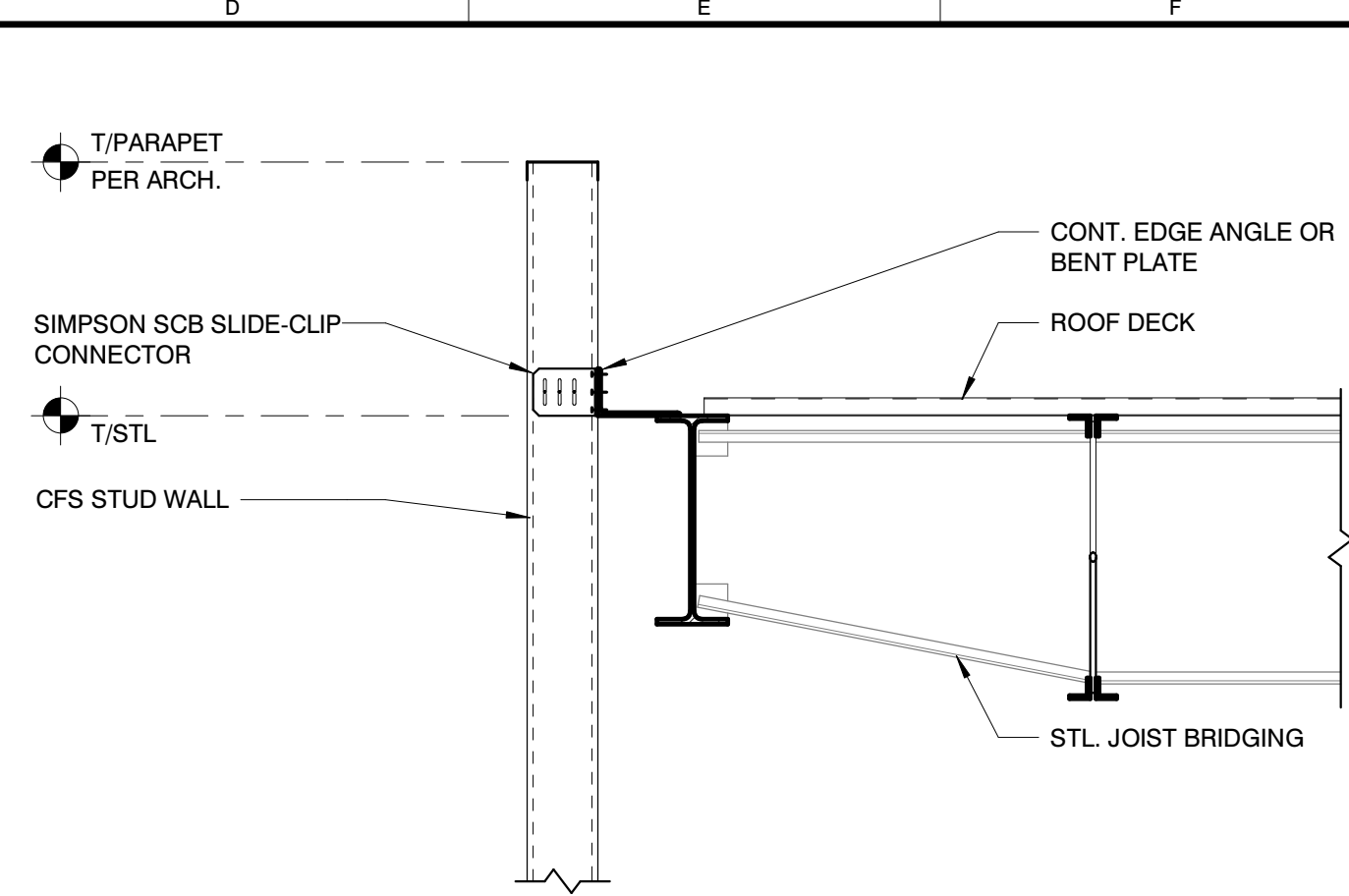
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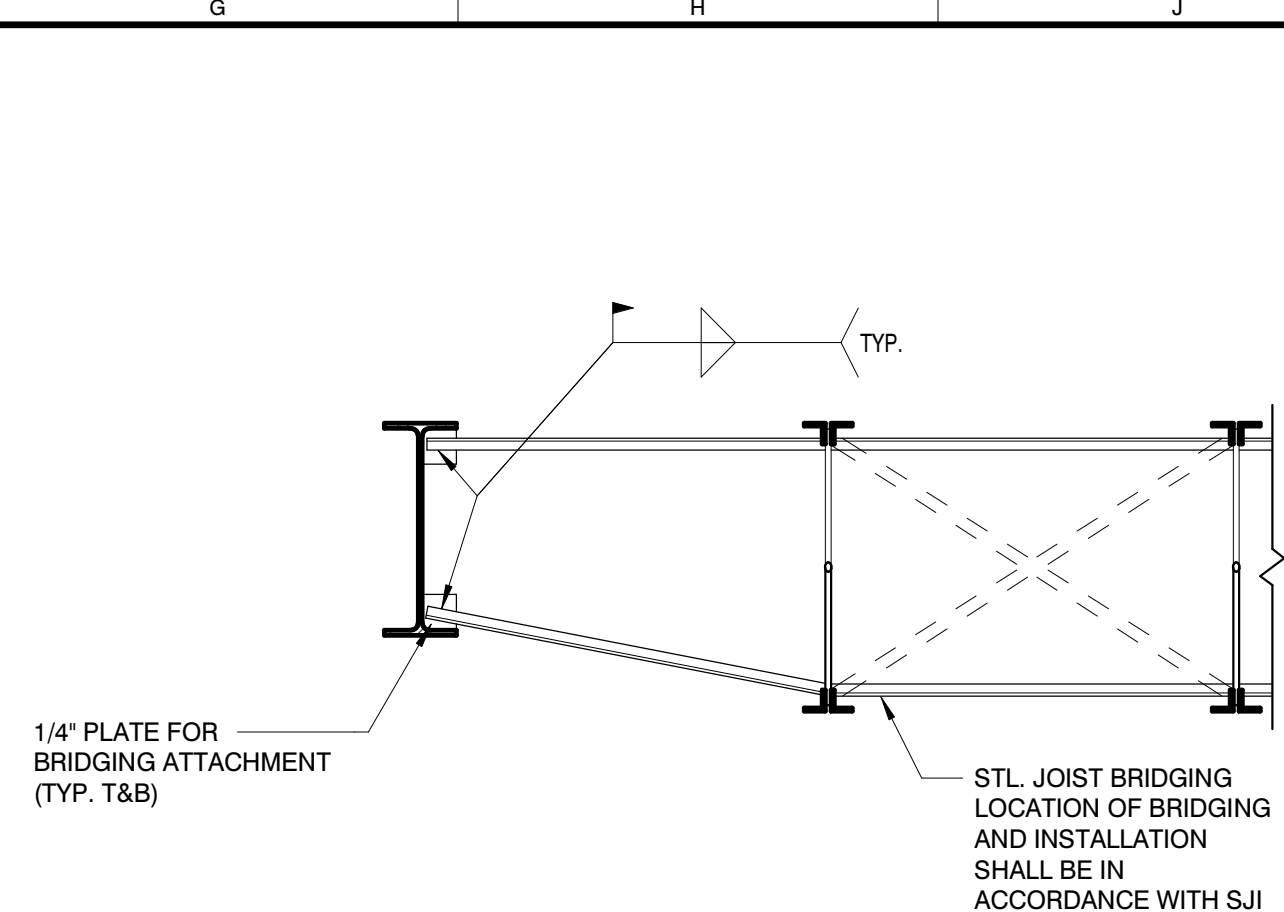
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CONNECTION DETAIL

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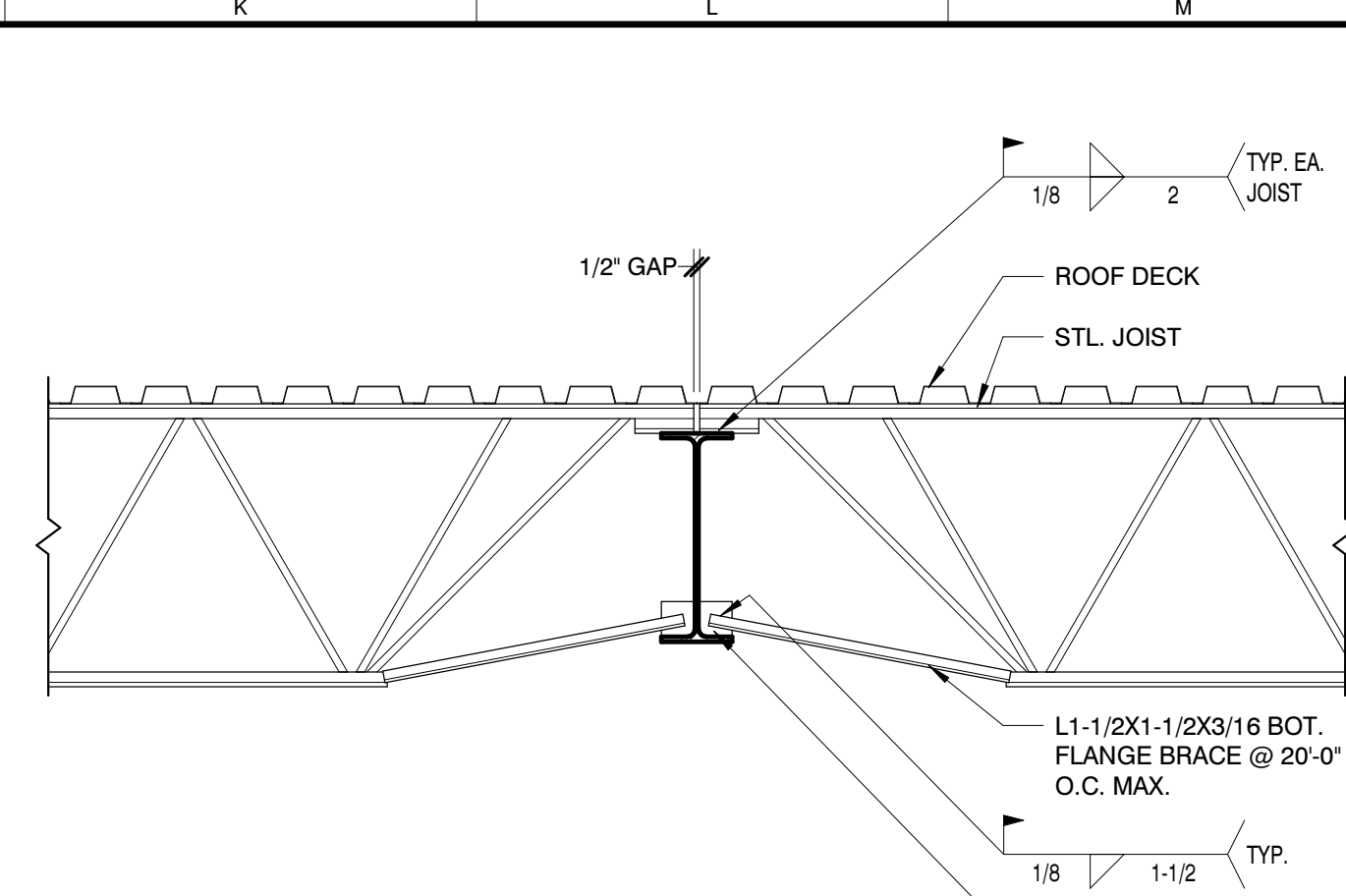
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CONNECTION DETAIL

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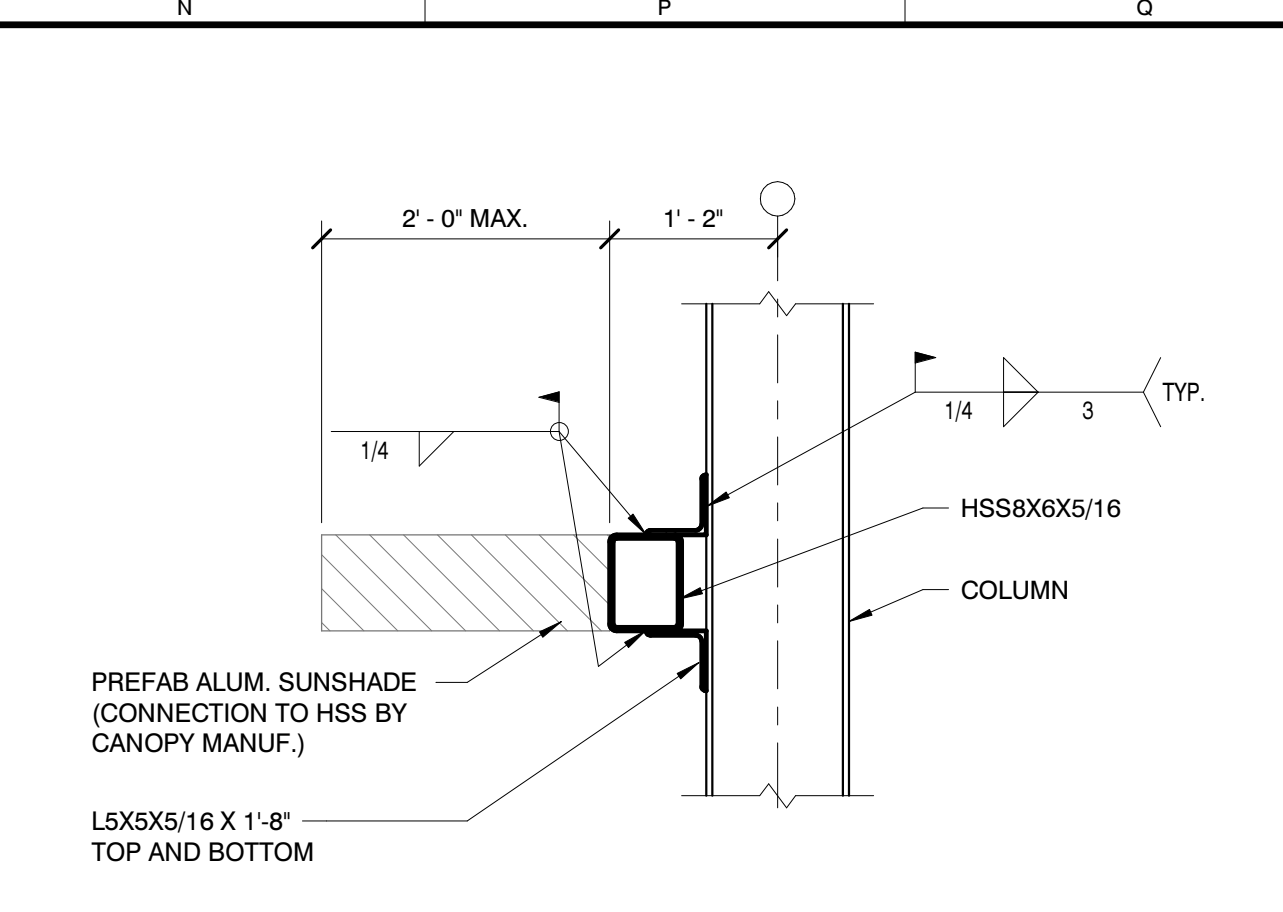
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CONNECTION DETAIL

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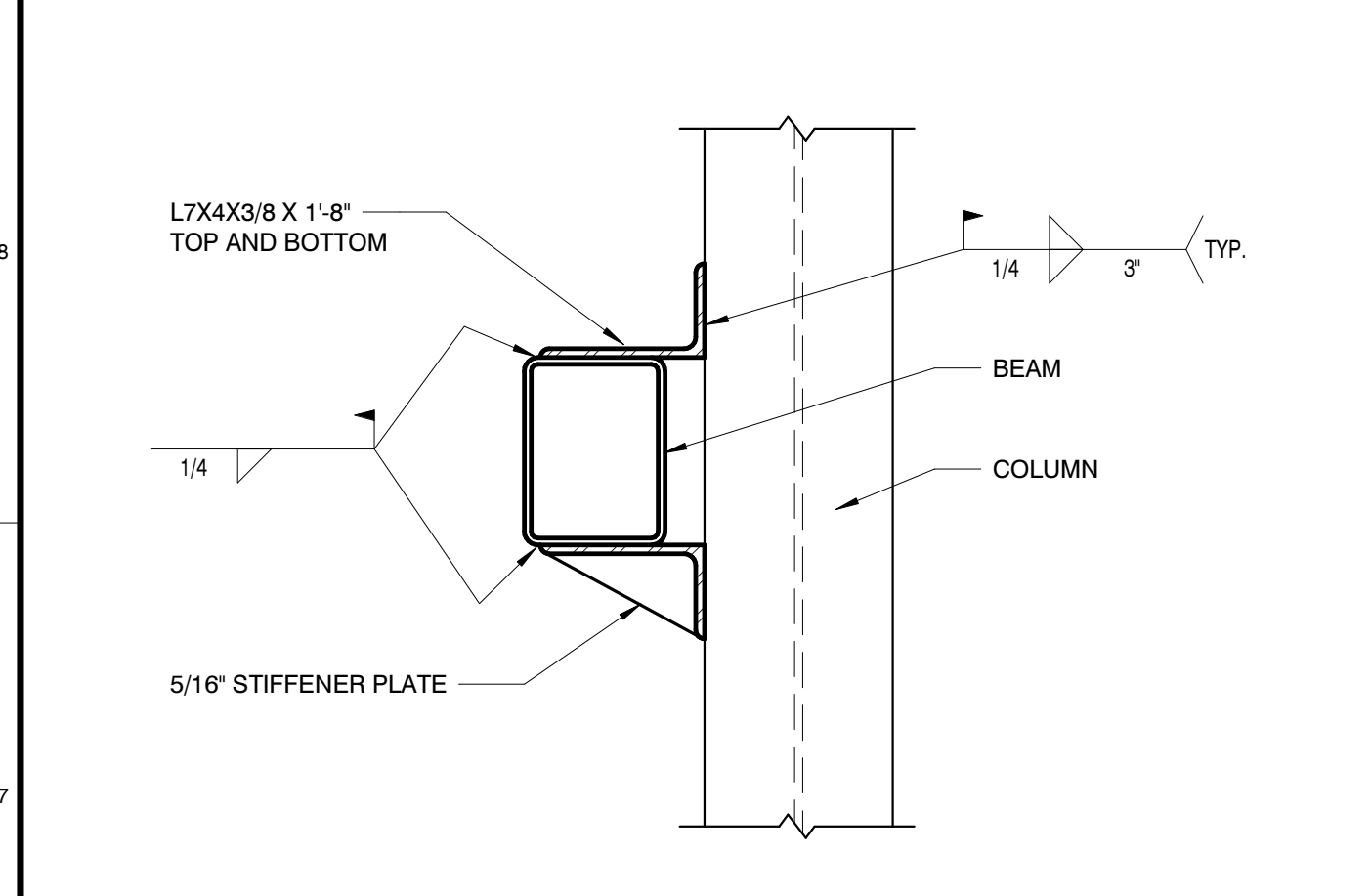
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CONNECTION DETAIL

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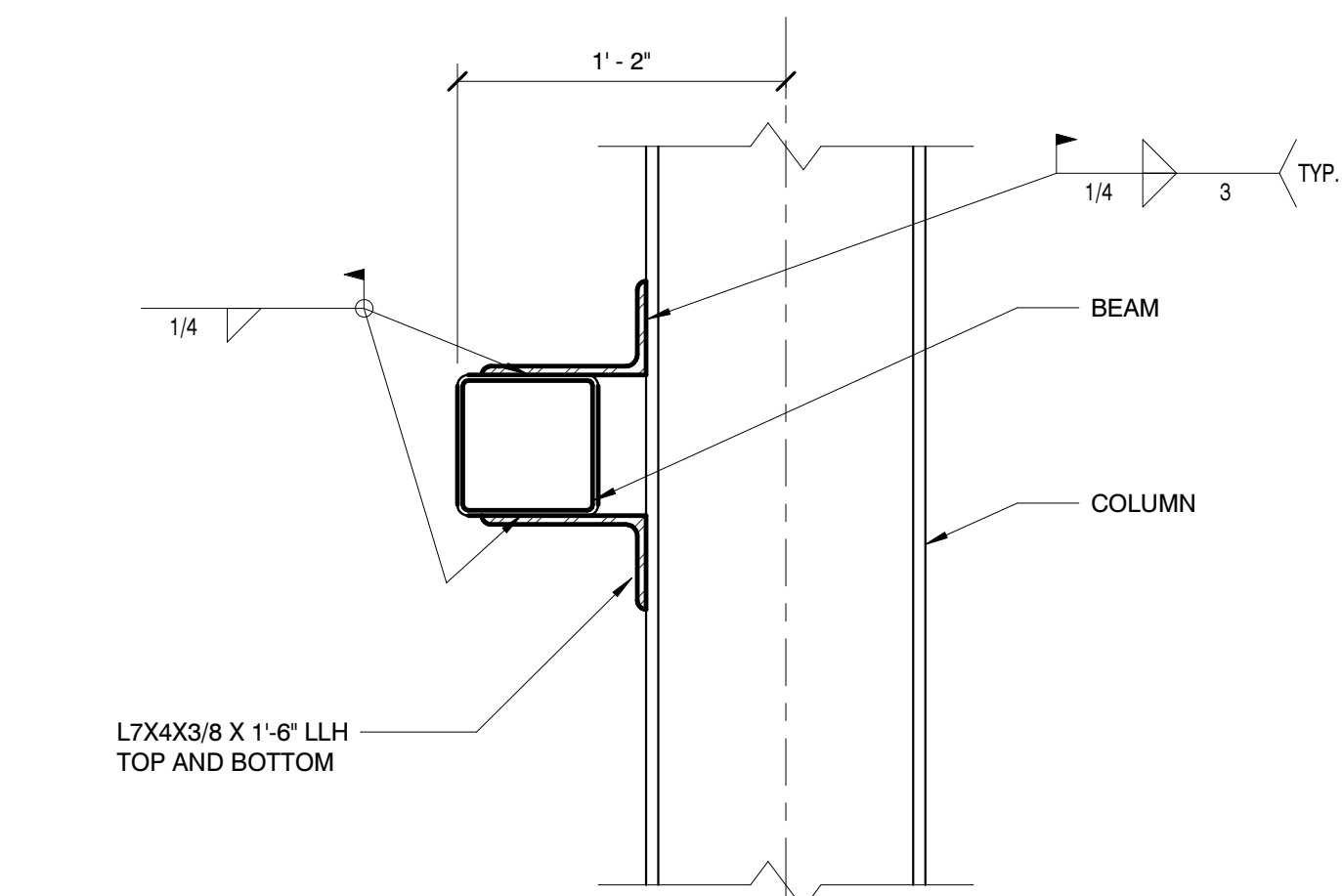
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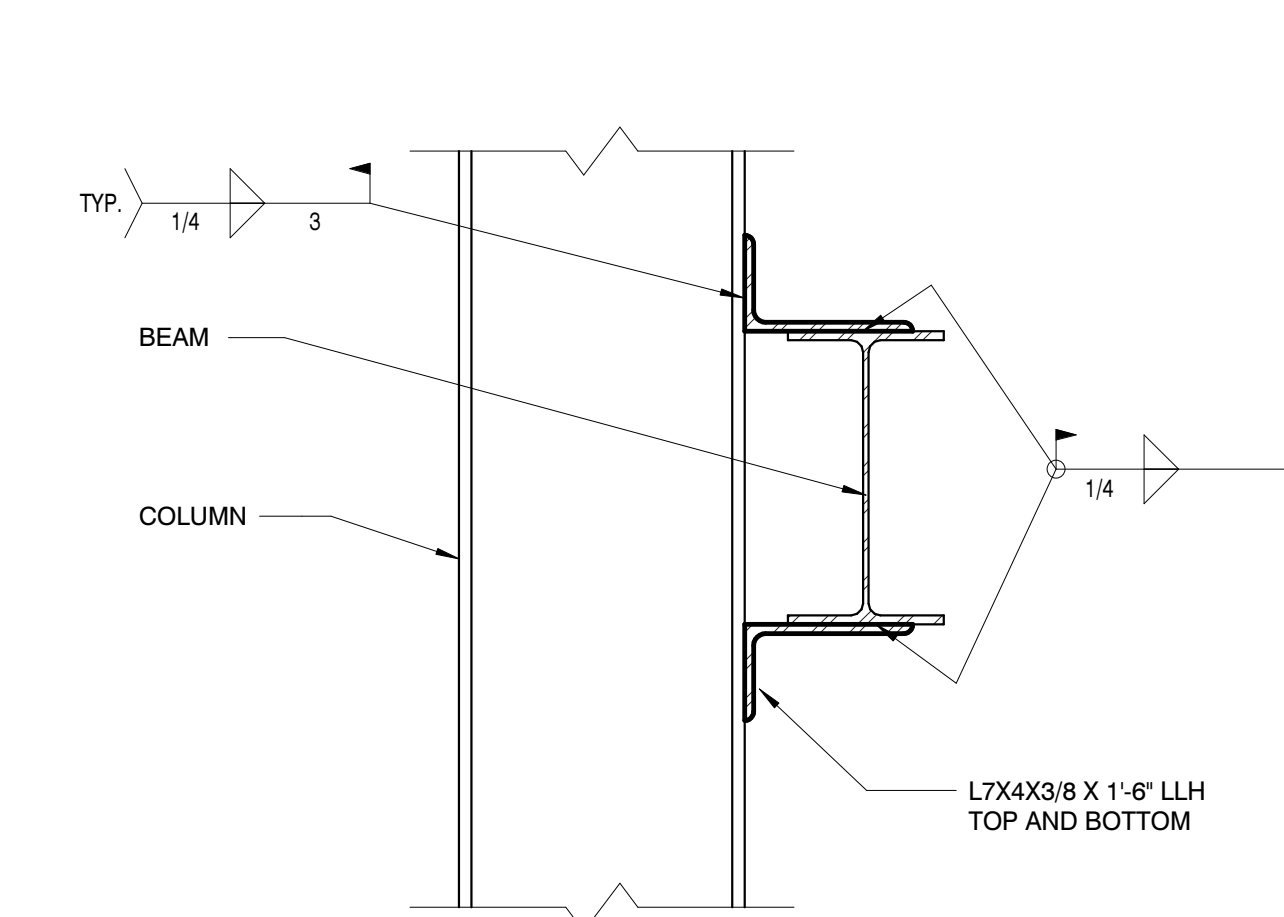
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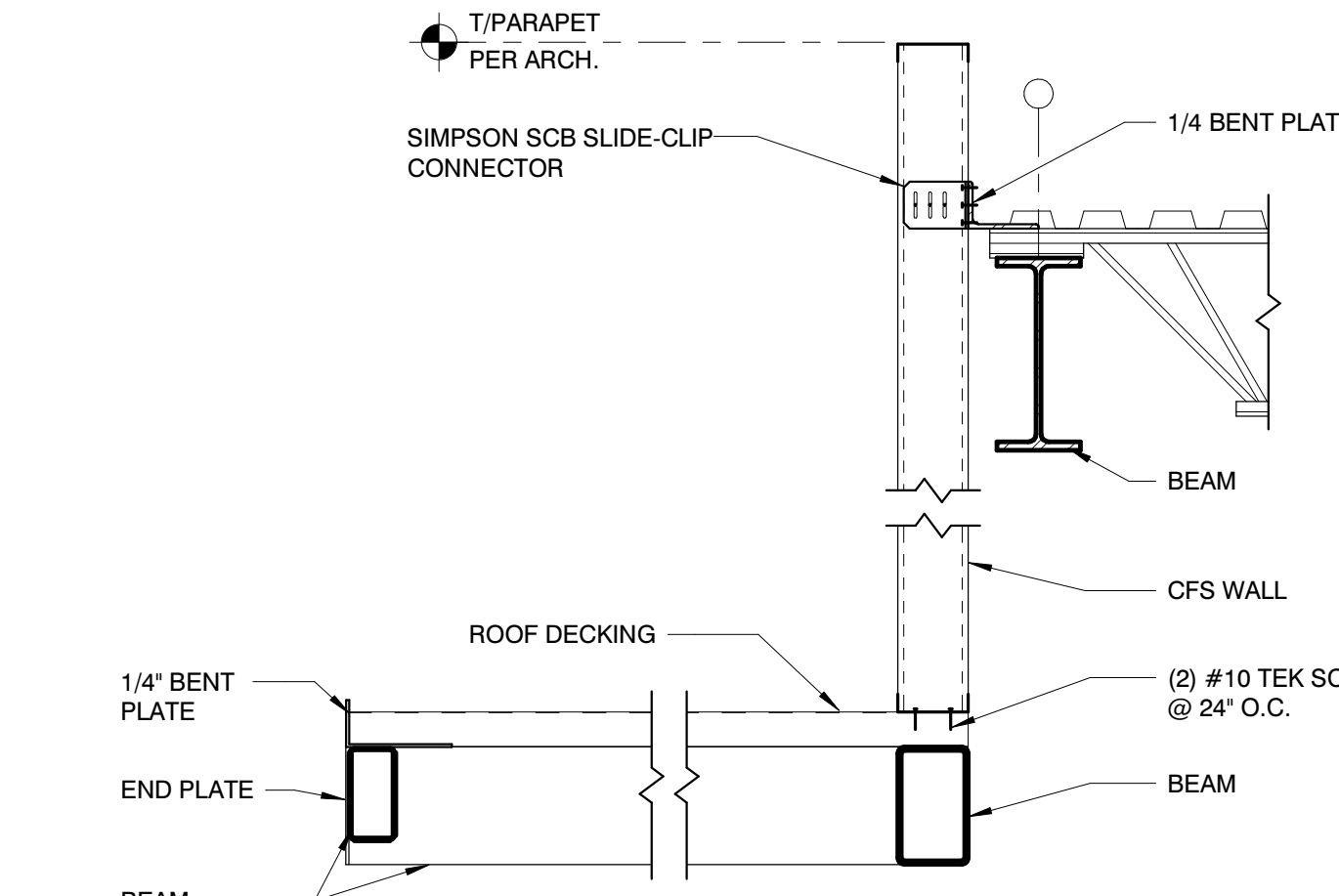
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CONNECTION DETAIL

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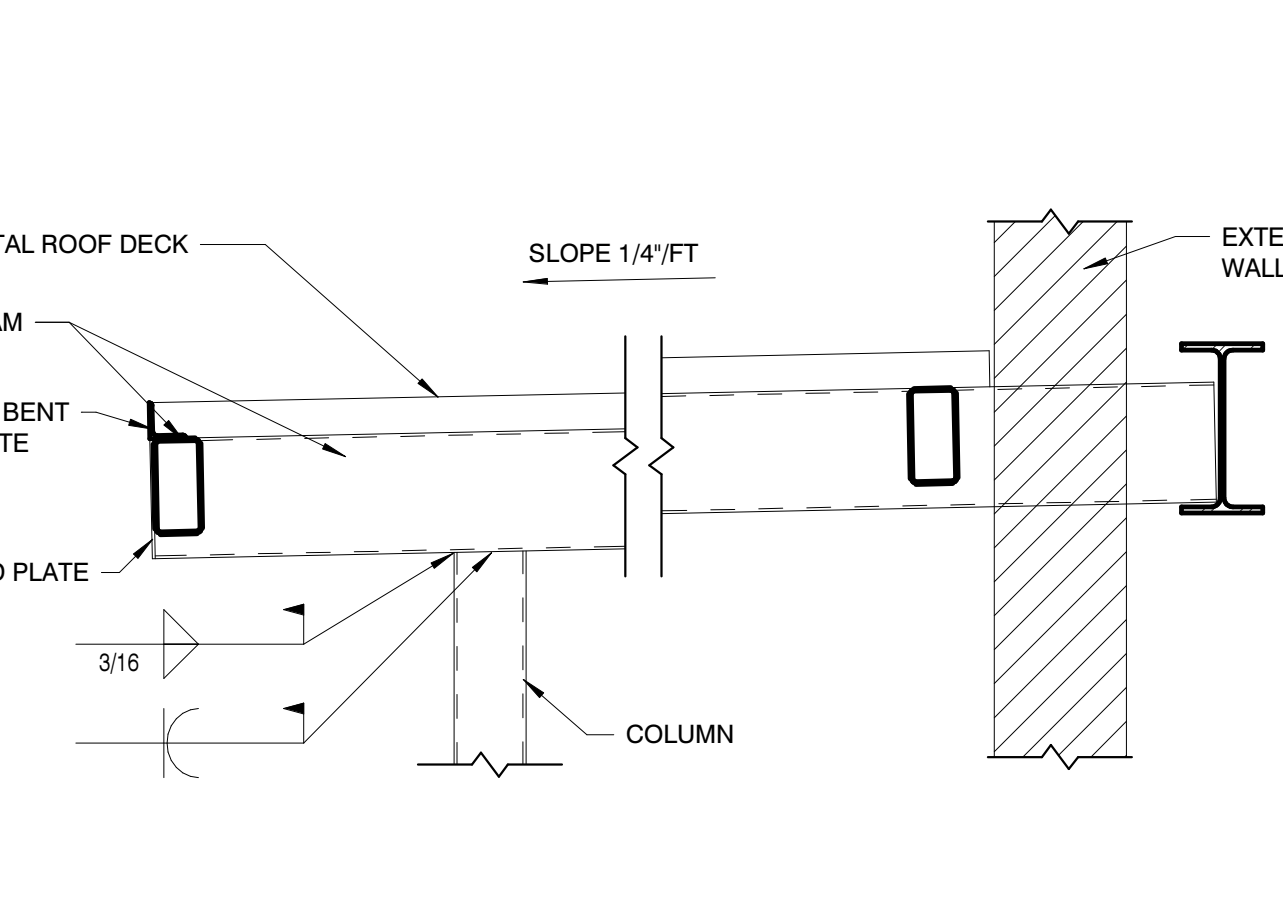
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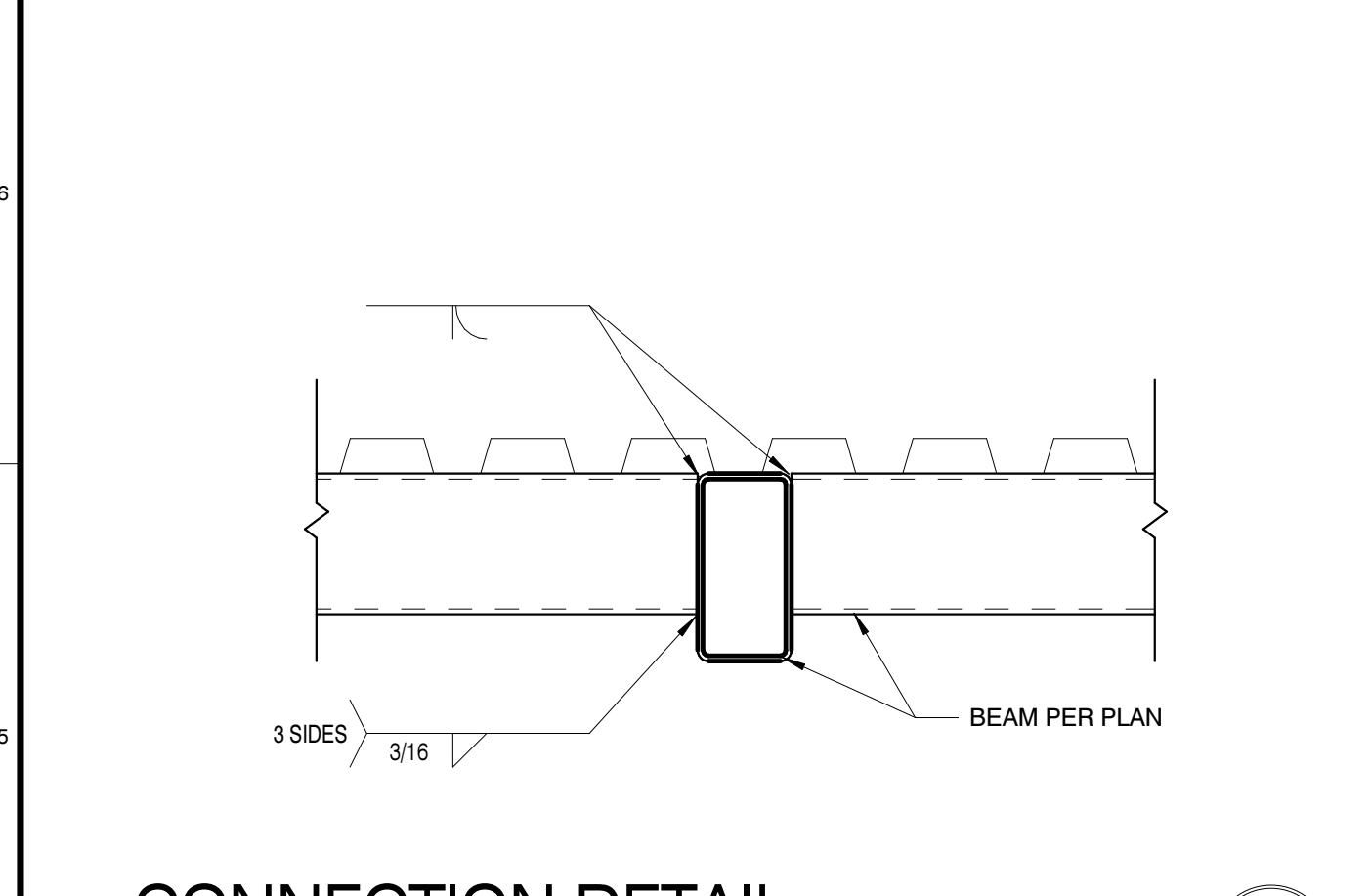
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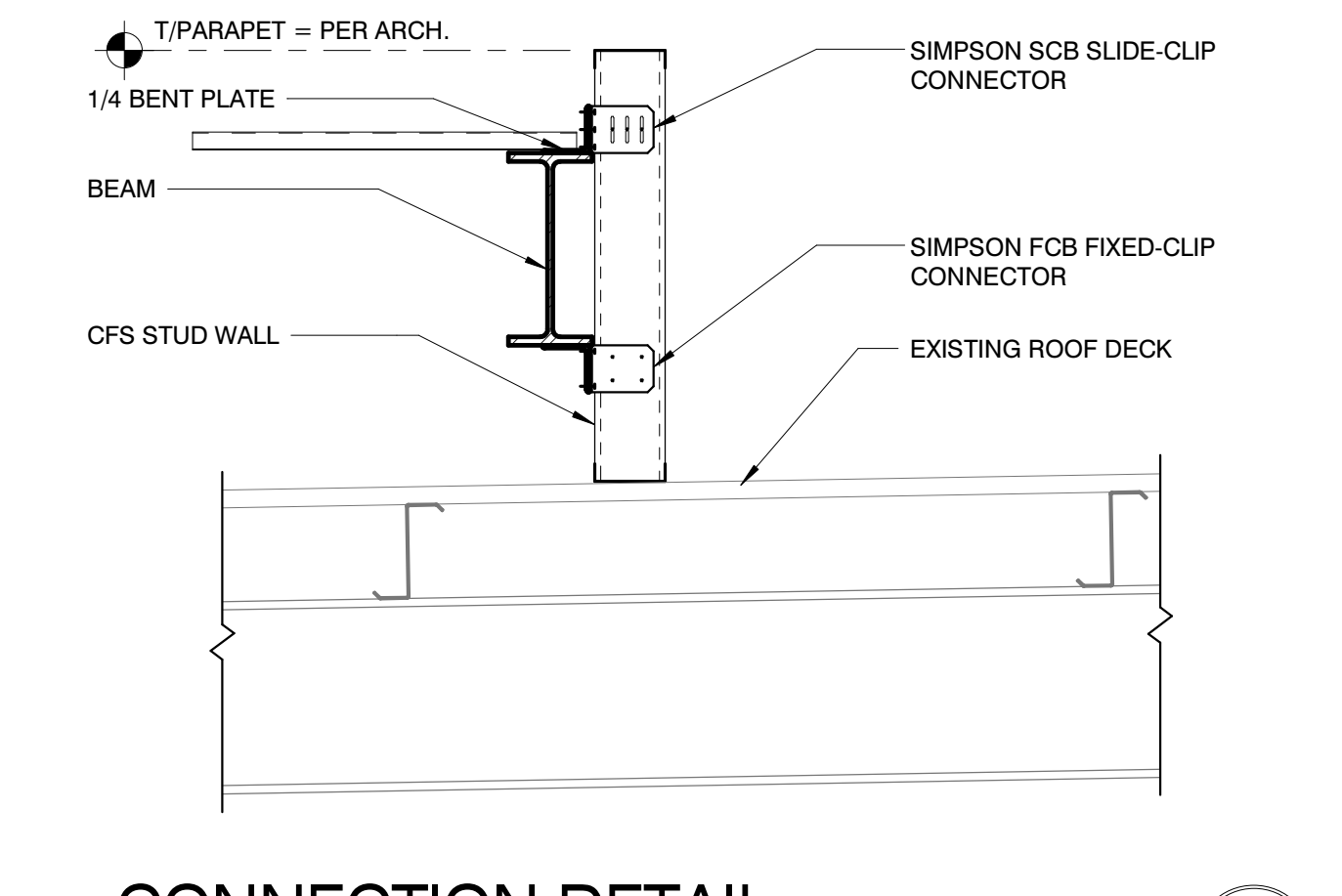
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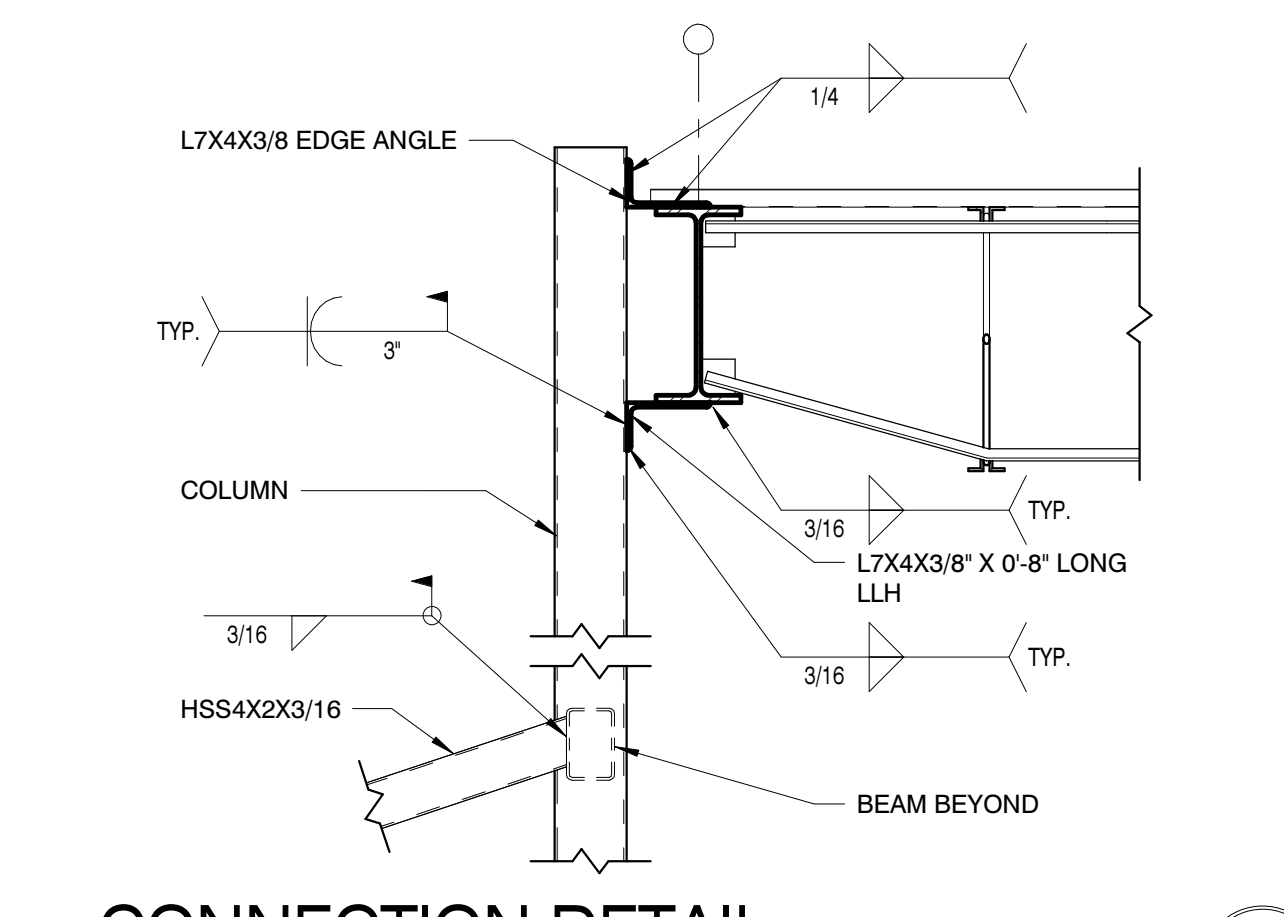
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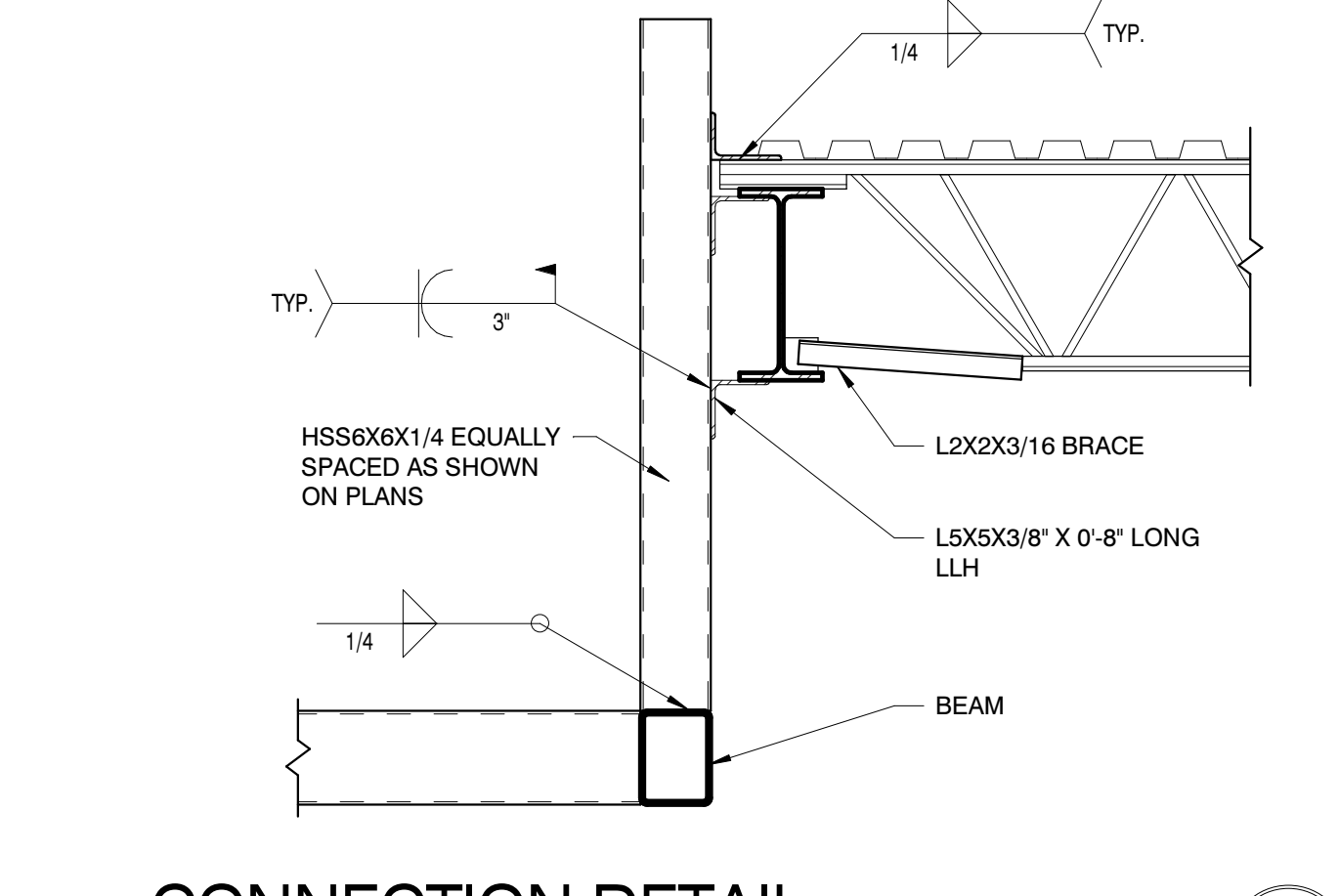
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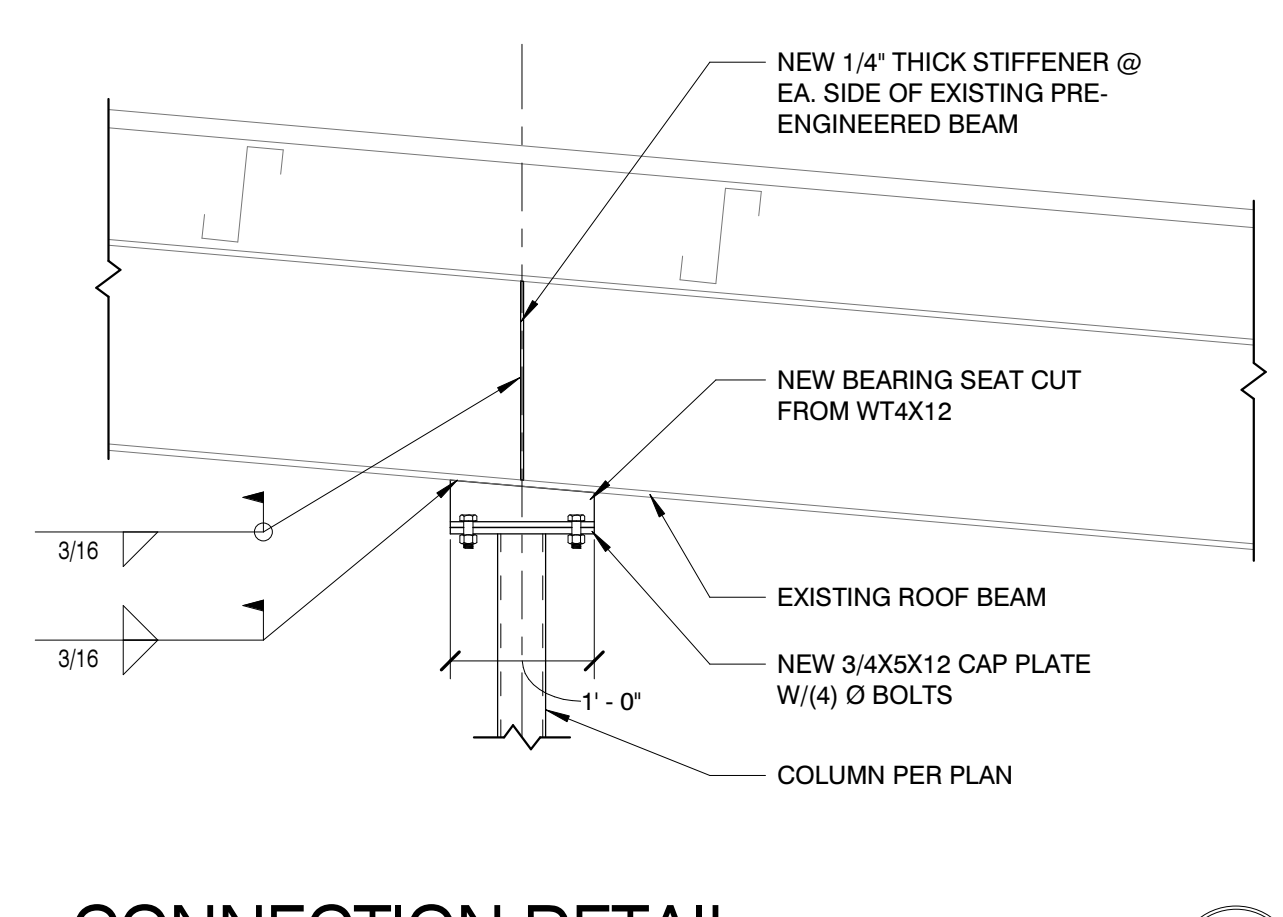
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CONNECTION DETAIL

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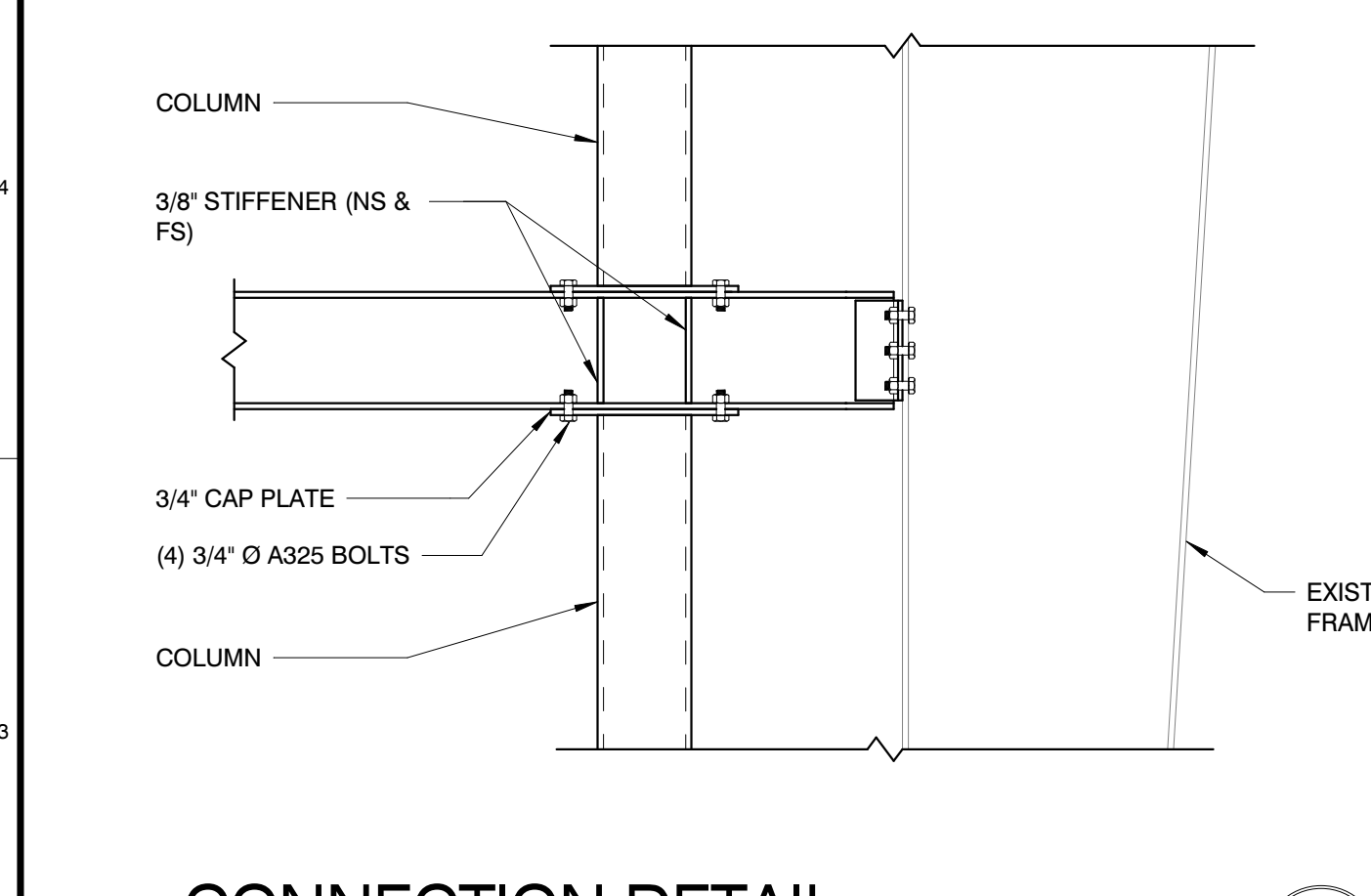
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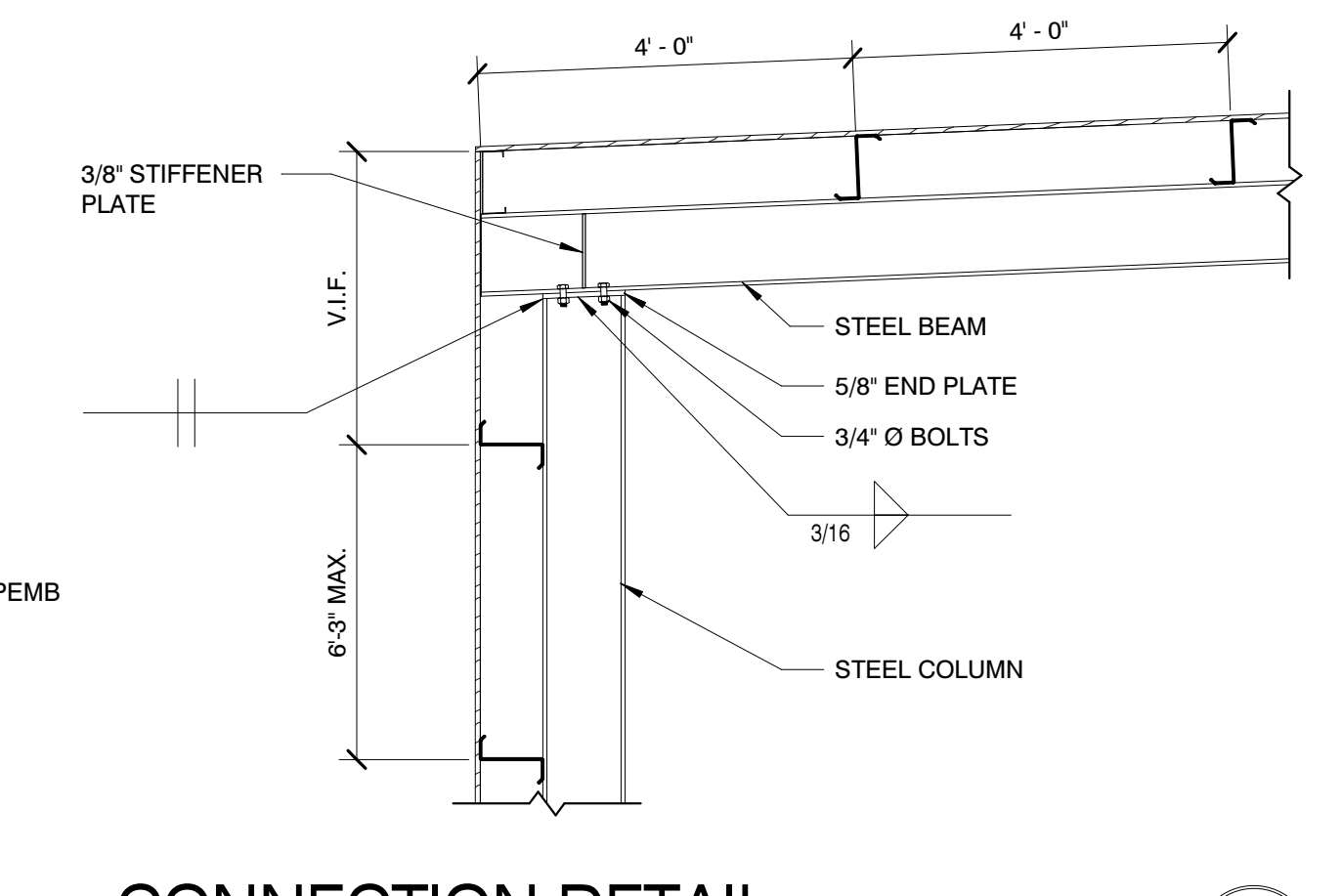
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CONNECTION DETAIL

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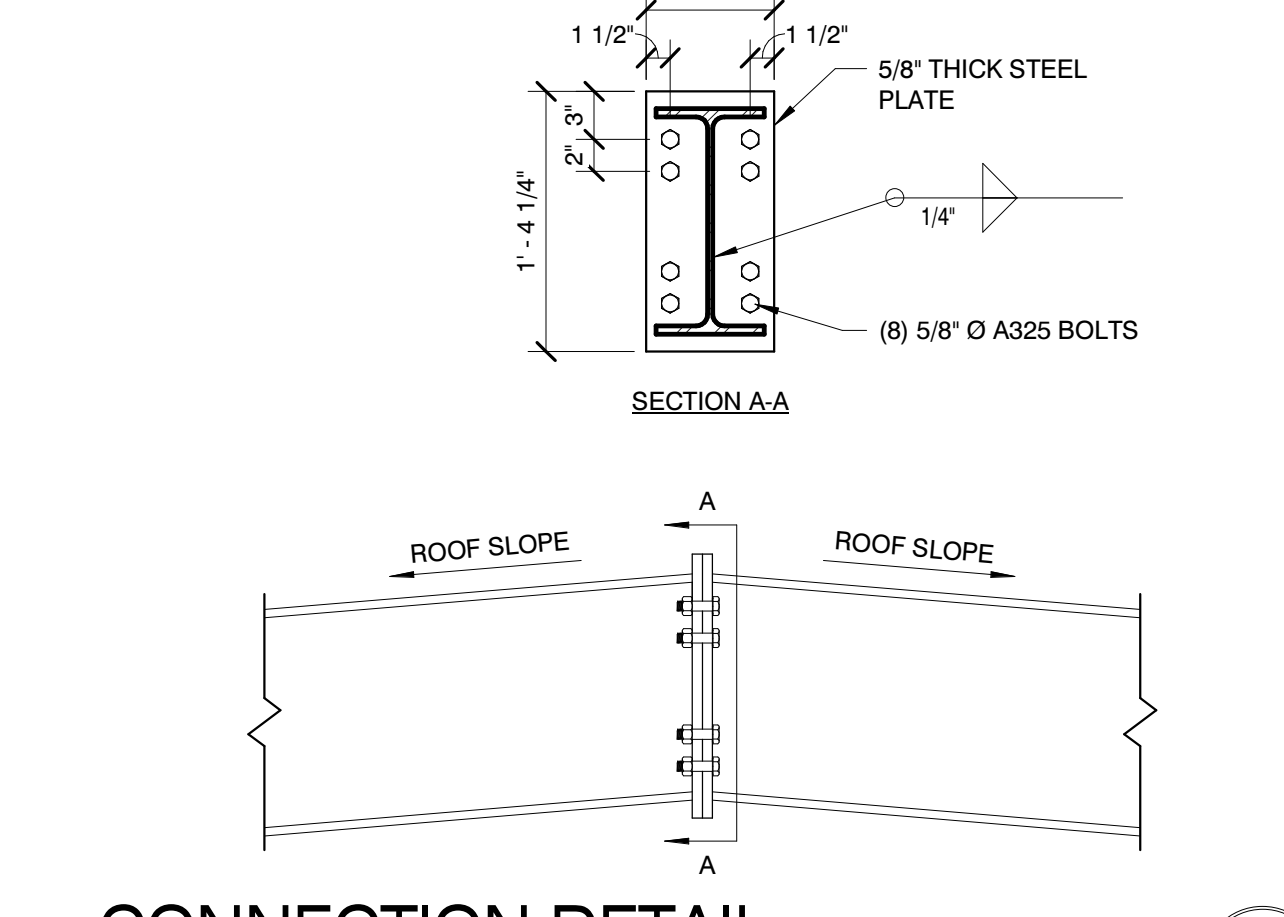
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CONNECTION DETAIL

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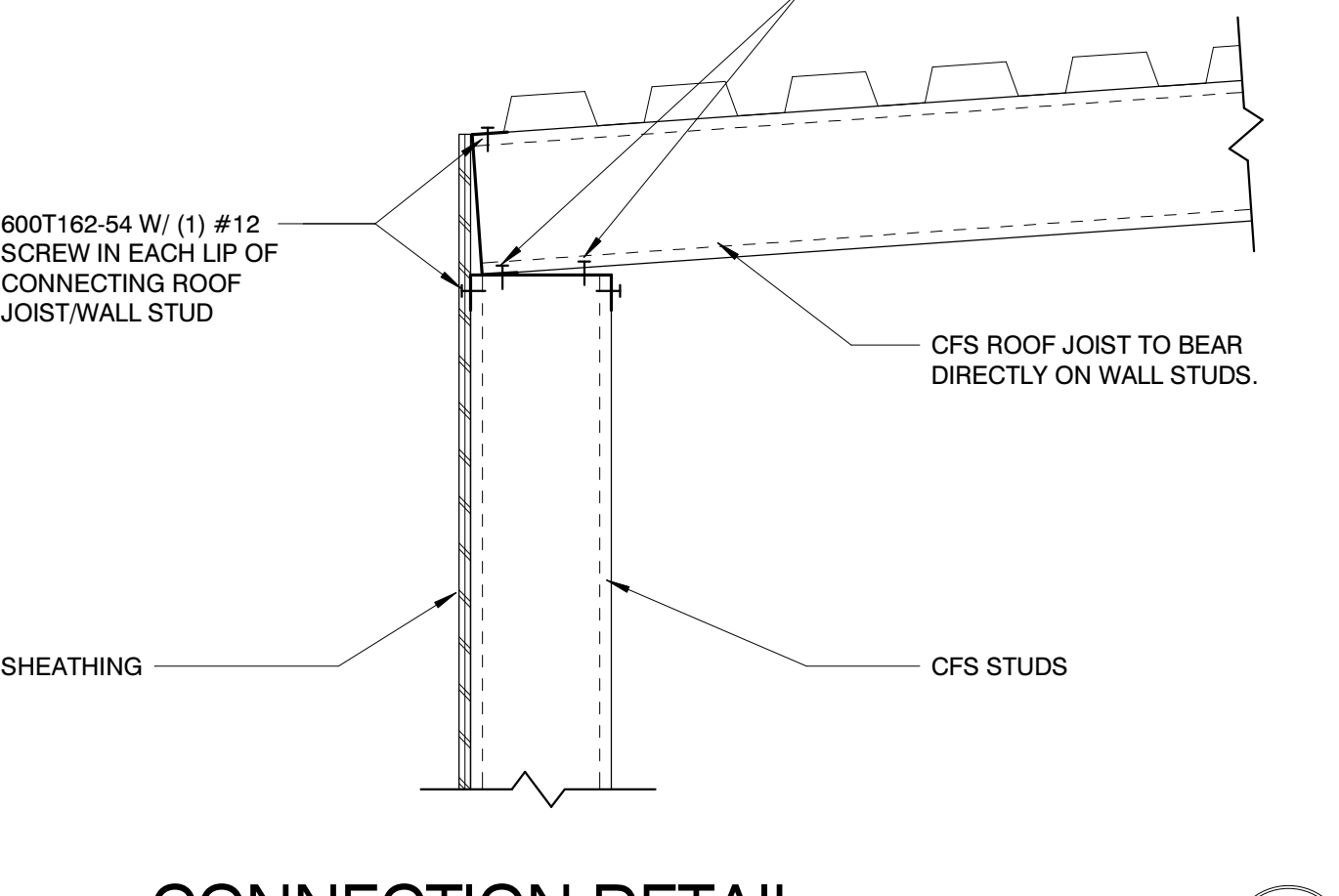
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CONNECTION DETAIL

SCALE : 1" = 1'-0"

18



CONNECTION DETAIL

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

19

MBI

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FAX: (865) 584-5213  
WEB: mbicompanies.com

CONSULTANT

SEAL

CLAYTON ADDISON

MANUFACTURING FACILITY (943)

PROJECT ADDRESS:  
18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☐ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: ZJB  
DRAWN BY: JCP  
REVIEWED BY: RMG  
SHEET TITLE:

STRUCTURAL DETAILS

SHEET NO.: S502



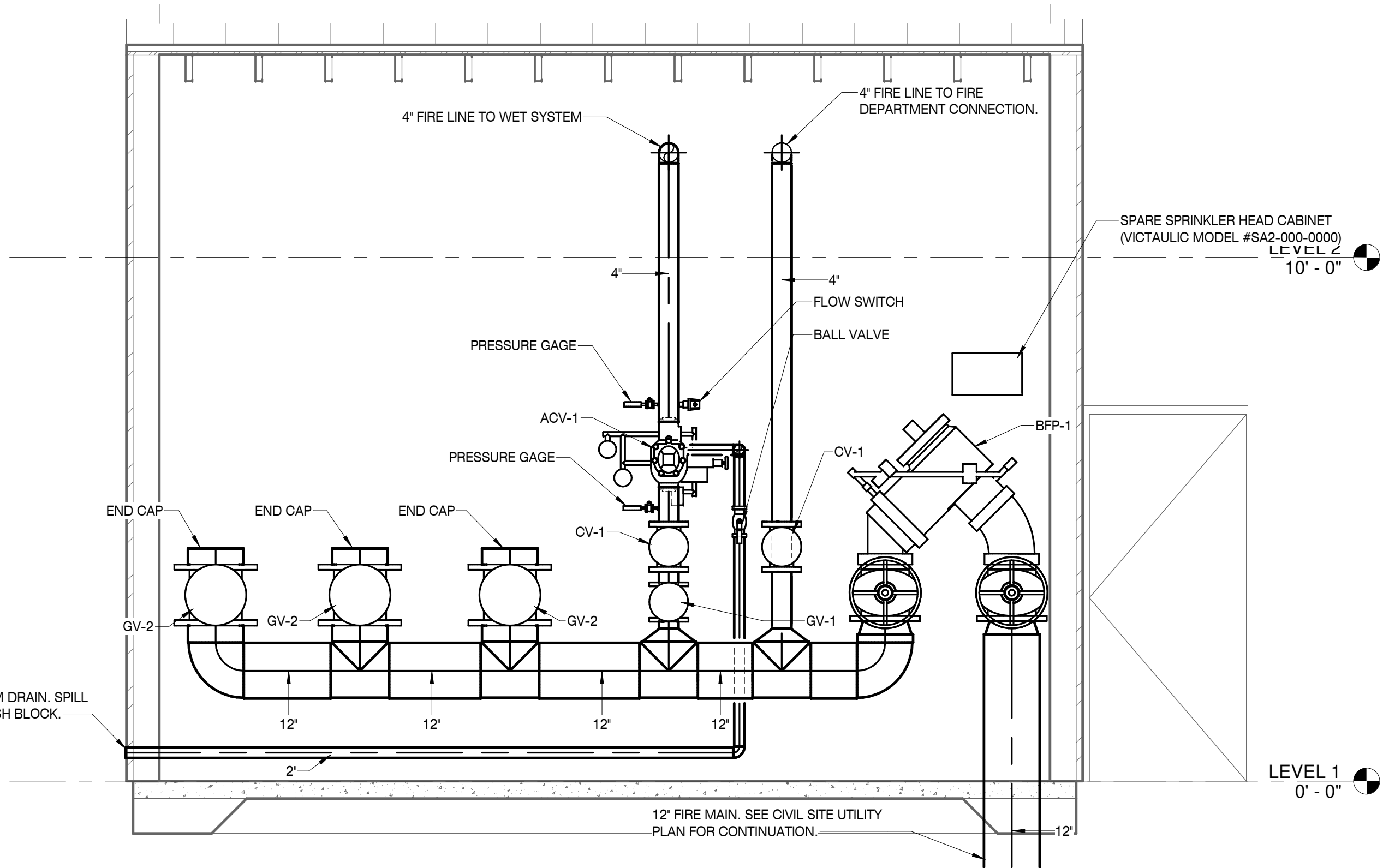








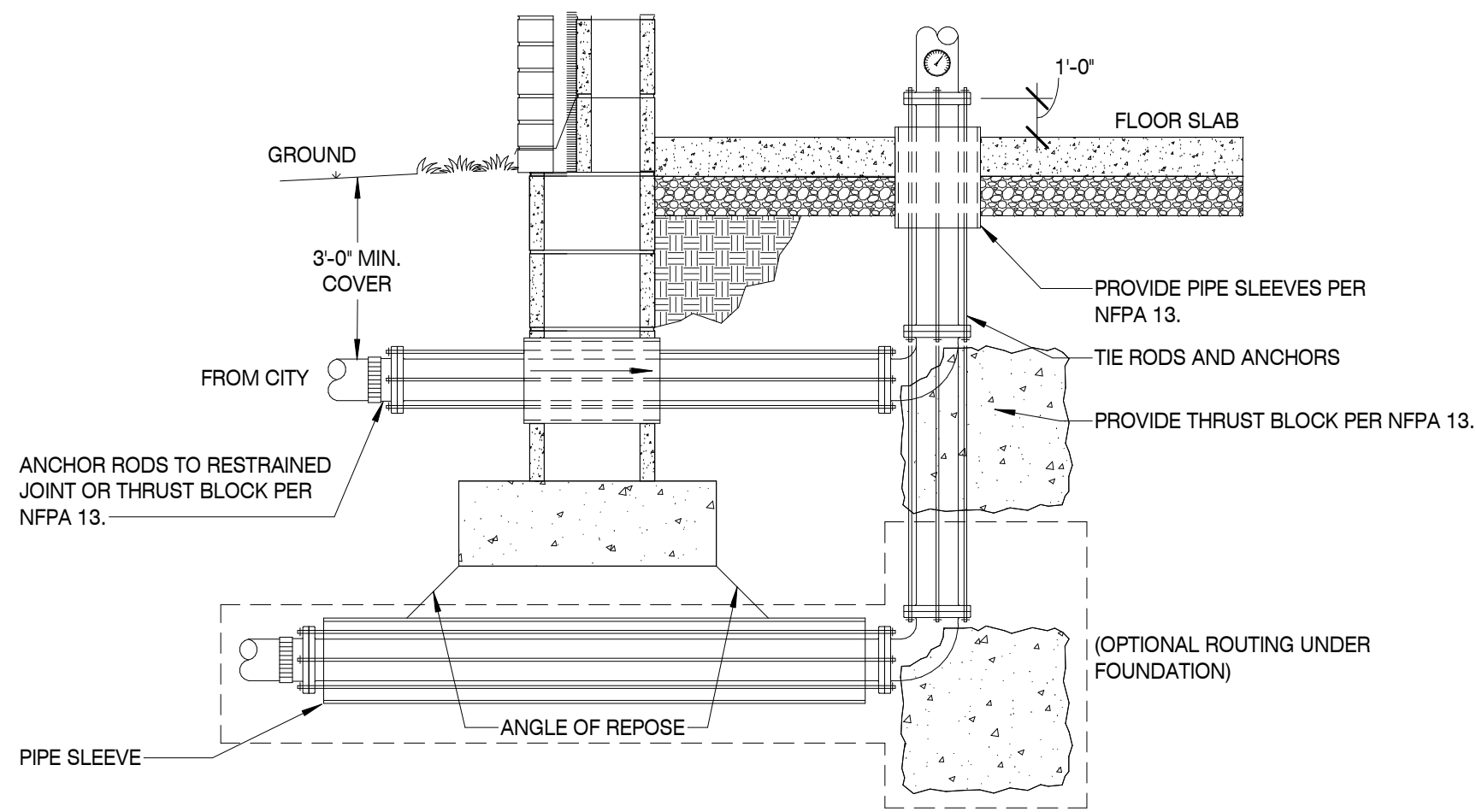
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9/20/19 11:16:13 AM



### FIRE RISER

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

1



### FIRE LINE LEAD-IN DETAIL

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

2

### FIRE PROTECTION VALVE SCHEDULE

ID	DESCRIPTION	PIPE SIZE	MANUFACTURER & MODEL #
BFP-1	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	10"	WILKINS 450DA
ACV-1	ALARM CHECK VALVE	4"	VICTAULIC SERIES 751 FIRELOCK
CV-1	CHECK VALVE	4"	VICTAULIC SERIES 717
GV-1	GATE VALVE	4"	VICTAULIC SERIES 771H
GV-2	GATE VALVE	12"	VICTAULIC SERIES 771H

#### NOTES:

- SEE FIRE PROTECTION SPECIFICATIONS ON SHEET FP0.1 FOR MORE INFORMATION.
- PROVIDE TAMPER SWITCH AT ALL GATE VALVES.

# MBI

#### ARCHITECT:

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#### CONSULTANT

MECHANICAL ENGINEER:

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#### PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788-04

#### NOTES

#### ACTIVE DESIGN PHASE

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☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

#### REVISION INFORMATION

NO. DATE DESCRIPTION

#### KEY PLAN

#### SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: JEJ  
DRAWN BY: JEJ  
REVIEWED BY: JCB  
SHEET TITLE:

FIRE PROTECTION  
DETAILS

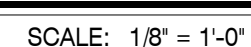
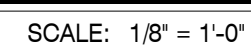
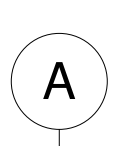
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FP201



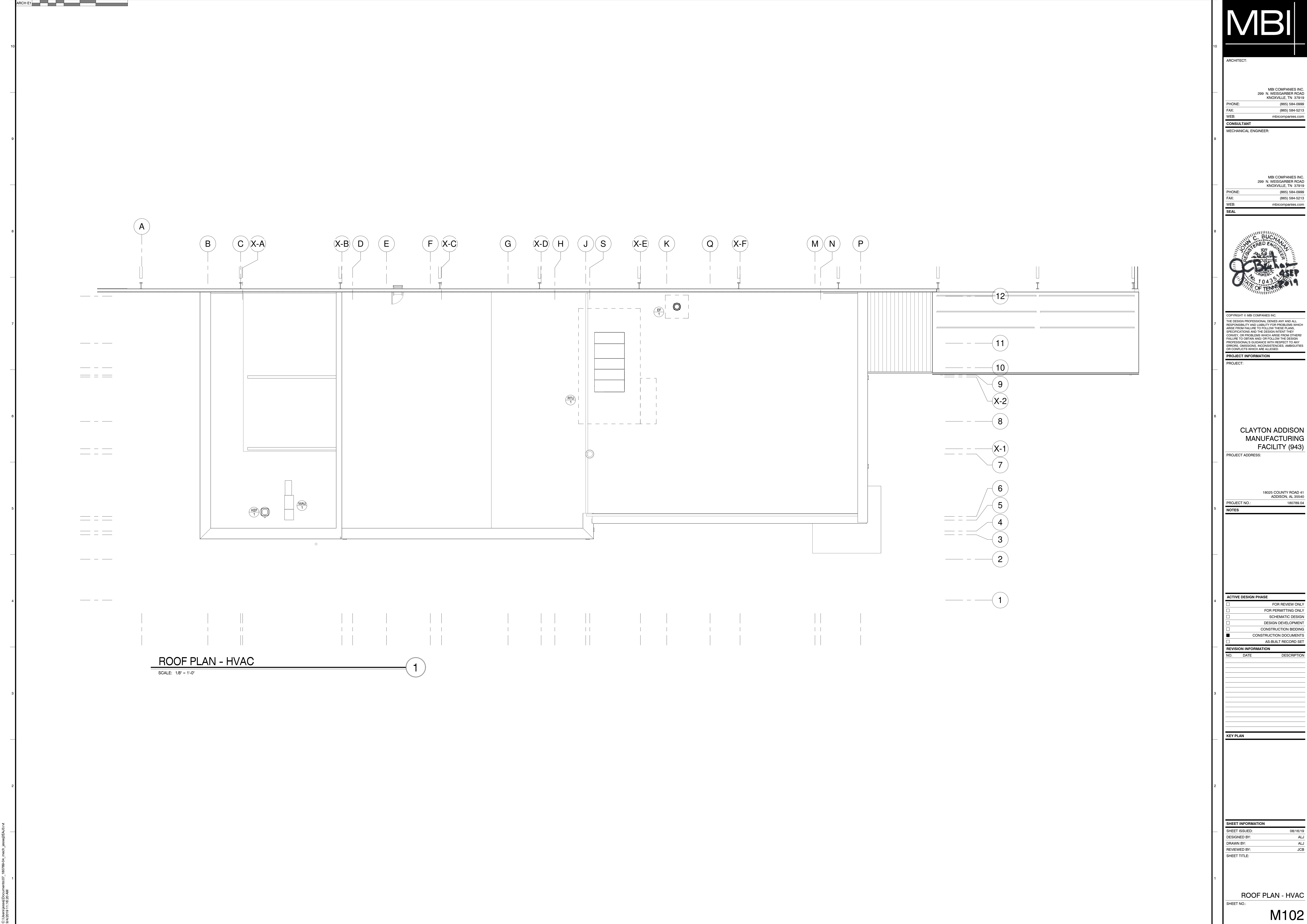








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9/20/19 11:15:23 AM



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SEAL

JOHN C. BUCKHART  
REGISTERED ENGINEER  
No. 10435  
STATE OF TENNESSEE

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ADDISON, AL 35640

PROJECT NO.: 180788-04

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☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION


SHEET ISSUED: 08/16/19  
DESIGNED BY: ALJ  
DRAWN BY: ALJ  
REVIEWED BY: JCB  
SHEET TITLE:


ROOF PLAN - HVAC


















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PACKAGED HEAT PUMP UNIT SCHEDULE																				
DRAWING SYMBOL	SUPPLY AIR			OUTSIDE AIR CFM	COOLING				HEATING		AUXILIARY ELEC. HEAT (KW)	SMOKE DETECTORS		EFFICIENCIES		SINGLE POINT ELECTRICAL		WEIGHT (LBS.)	MANUFACTURER MODEL NUMBER	
	TOTAL CFM	EXT. SP (IN. WG)	FAN HP		TEMPS (°F) @ 95°F AMBIENT		CAPACITIES (MBH)		CAPACITIES (MBH)			SUPPLY	RETURN	EER	SEER	MCA	MOCP			VOLTAGE
					UNIT ENT AIR	COIL LGV AIR	TOTAL	SENSIBLE	@ 17°F	@47°F										
	1,200	1.5	10	?	78.7 DB / 67.0 WB	60.4 DB / 58.2 WB	365.1	269.1	138.5	161.7	54	YES	YES	10.6	13.3	178.7	200.0	208/3	4,793	TRANE TED360
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"><li>- 5 YEAR COMPRESSOR WARRANTY &amp; STANDARD THROW-AWAY FILTERS FURNISHED W/ UNIT.</li><li>- ACCESSORIES SH ALL INCLUDE CONTROLS TO PREVENT SUPPLEMENTAL HEAT FROM COMING ON UNIT BALANCE POINT IS REACHED. SUBMIT BALANCE POINT CALCULATIONS AND GRAPHS WITH EQUIPMENT SUBMITTAL.</li><li>- FEATURES SHALL INCLUDE HIGH AND LOW PRESSURE CUTOUTS, ANTI-CYCLE TIMER, SUCTION LINE ACCUMULATOR, DEMAND INITIATION AND POSITIVE TERMINATION DEFROST CONTROL.</li><li>- ROOF CURB COMPATIBLE WITH ROOF SYSTEM INSTALLED.</li><li>- EQUIPMENT SHALL BE _____ OR EQUAL, APPROVED SUBSTITUTE.</li><li>- COOLING CAPACITIES ARE SCHEDULED AT 80/67 DEGREES INDOOR AND 95 DEGREES OUTDOOR TEMPERATURE.</li><li>- EQUIPMENT TO BE ARI CERTIFIED AND U.L. AND A.G.A. APPROVED.</li><li>- AUTOMATIC CHANGEOVER THERMOSTAT WITH EMERGENCY HEAT SUBBASE AND LOCKING PLASTIC THERMOSTAT COVER.</li><li>- PROVIDE DUCT SMOKE DETECTORS FOR SUPPLY AND RETURN DUCTWORK SYSTEMS ON ALL UNITS. INSTALL PER NFPA 90A &amp; ALL LOCAL CODES.</li><li>- COOLING CAPACITIES DO NOT HAVE FAN MOTOR HEAT DEDUCTED.</li><li>- SUBMIT SHOP DRAWINGS SHOWING COOLING CAPACITIES WITH MOTOR HEAT AS NOTED.</li></ul>																				

EXHAUST FAN SCHEDULE												
DRAWING SYMBOL	USE	CFM	S.P. IN. WG	RPM	HP	TYPE	ROOF OPENING	VOLTAGE	FLA	SONES	WEIGHT (LBS.)	MANUFACTURER MODEL NO.
	RESTROOM EXHAUST	300	0.5	1,683	0.07	ROOF MOUNTED DOWNBLAST	17"x17"	115/1ø	2.6	8.4	25	GREENHECK G-080-VG
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"><li>- ROUND LOW SILHOUETTE ALUMINUM HOUSING</li><li>- CENTRIFUGAL ALUMINUM WHEEL</li><li>- BIRDSCREEN &amp; BACKDRAFT DAMPER</li><li>- SAFETY DISCONNECT @ FAN</li><li>- PREFAB CURB TO MATCH ROOF CONSTRUCTION AND SLOPE</li><li>- WALL SWITCH OR STARTER.</li></ul>												

VAV BOX WITH ELECTRIC RE-HEAT SCHEDULE												
DRAWING SYMBOL	COOLING CFM RANGE		NO. LEVEL @ UPPER LIMIT CFM	MAX. S.P. THRU BOX (IN. WG)	INLET SIZE	RE-HEAT					MANUFACTURER MODEL NO.	
	UPPER LIMIT	LOWER LIMIT				CFM	MAX. MBH	KW	VOLTAGE	MCA		MOCP
	800	280	30	0.75	8"	280	13.66	4.0	208/3	11.1	15.0	TRANE VCEF08
	1,500	525	26	0.75	12"	525	22.20	6.5	208/3	18	20.0	TRANE VCEF12
	365	128	21	0.75	6"	128	5.12	1.5	208/3	4.2	15.0	TRANE VCEF06
	220	115	24	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	200	100	21	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	250	100	26	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	200	100	21	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	300	100	27	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	200	100	21	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	150	100	19	0.75	4"	85	3.41	1.0	208/3	2.8	15.0	TRANE VCEF04
	220	111	24	0.75	5"	125	5.12	1.5	208/3	4.2	15.0	TRANE VCEF05
	2,220	1,552	29	0.75	14"	800	34.15	10.0	208/3	27.8	30.0	TRANE VCEF14
	2,220	1,552	29	0.75	14"	800	34.15	10.0	208/3	27.8	30.0	TRANE VCEF14
	920	324	26	0.75	10"	324	13.66	4.0	208/3	11.1	15.0	TRANE VCEF10
	1,575	550	26	0.75	12"	550	23.90	7.0	208/3	19.4	25.0	TRANE VCEF12
	400	141	22	0.75	6"	166	6.83	2.0	208/3	5.6	15.0	TRANE VCEF06
	400	200	20	0.75	6"	--	--	--	208/3	--	--	TRANE VCEF06
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"><li>- EACH BOX TO BE PROVIDED WITH FLOW SENSOR, DAMPER OPERATOR AND DIRECT CONTROL REGULATOR. EACH UNIT SHALL HAVE A MINIMUM CFM ADJUSTMENT AS SHOWN ABOVE. EACH UNIT SHALL REQUIRE A DIRECT ACTING TEMPERATURE SENSOR. SEE CONTROL SEQUENCES OF OPERATION FOR MORE INFORMATION.</li><li>- EACH BOX SHALL BE PRESSURE INDEPENDENT.</li><li>- UNIT TO BE FORMED OF 24 GAUGE (MIN.) GALVANIZED STEEL AND SHALL BE ACOUSTICALLY AND THERMALLY LINED WITH 1" FOIL FACED INSULATION. INSULATION SHALL BE UL LISTED AND MEET THE REQUIREMENTS OF NFPA 90A, UL 181, AND BACTERIOLOGICAL STANDARDS OF ASTM C 665.</li><li>- ALL TERMINALS TO BE RATED AT 1.5" INLET STATIC PRESSURE, MAX NOIS RADIATED AND DISCHARGE LEVELS WITHOUT ATTENUATION.</li><li>- DUCT RUN-OUT SIZES DO NOT EQUAL BOX INLET SIZES IN ALL CASES, A TRANSITION MAY BE REQUIRED. SEE PLANS.</li></ul>												

ELECTRIC HEATER SCHEDULE						
DRAWING SYMBOL	TYPE	MBH	KW	VOLTAGE	CONTROL	MANUFACTURER MODEL NO.
	WALL RECESSED FAN FORCED	6.8	2.0	208 / 1Ø	INTEGRAL THERMOSTAT	MARKEL SERIES 3450
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"><li>- U.L. LISTING</li><li>- 24V TRANSFORMER WHERE REMOTE THERMOSTAT CALLED FOR</li><li>- WALL THERMOSTATS TO HAVE LOCKABLE METAL COVERS</li><li>- 16GA CONSTRUCTION FOR WALL HEATER FRONT PANELS</li><li>- FIRE RATED BACK ENCLOSURES WHERE WALL HEATERS ARE INSTALLED IN RATED WALLS</li><li>- BUILT-IN SAFETY DISCONNECT</li></ul>						

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CONSULTANT

MECHANICAL ENGINEER:

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD #1  
ADDISON, AL 35640

PROJECT NO.: 180788-04

NOTES

ACTIVE DESIGN PHASE

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☐ CONSTRUCTION BIDDING  
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☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

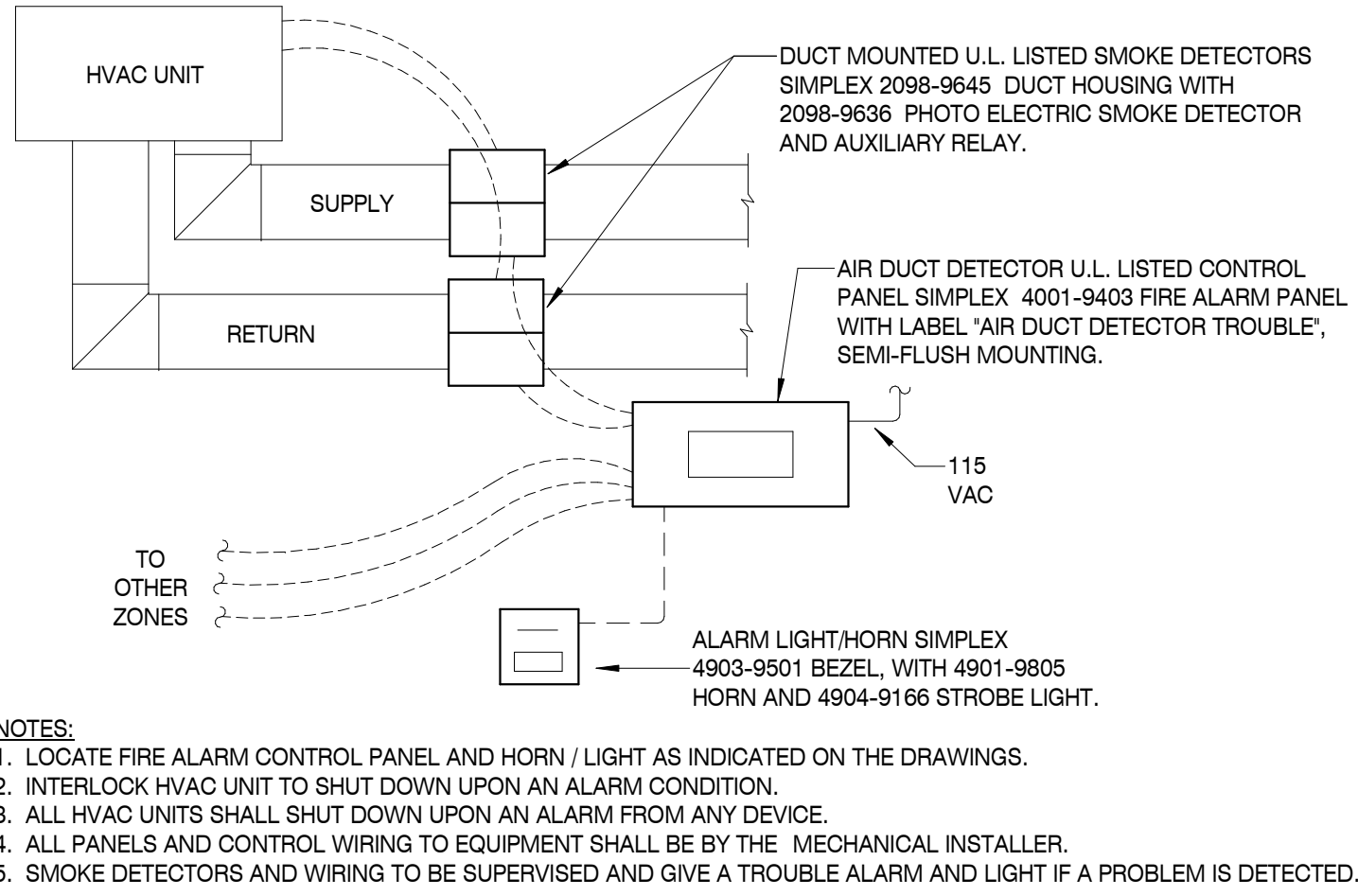
SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: ALJ  
DRAWN BY: ALJ  
REVIEWED BY: JCB  
SHEET TITLE:

HVAC SCHEDULES  
SHEET NO.:

M201

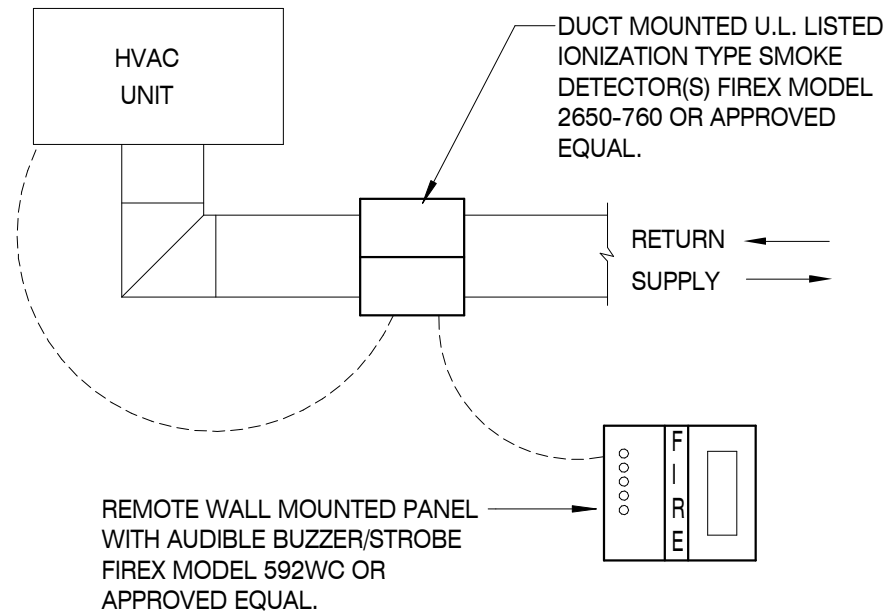




### FIRE ALARM CONTROL DETAIL

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

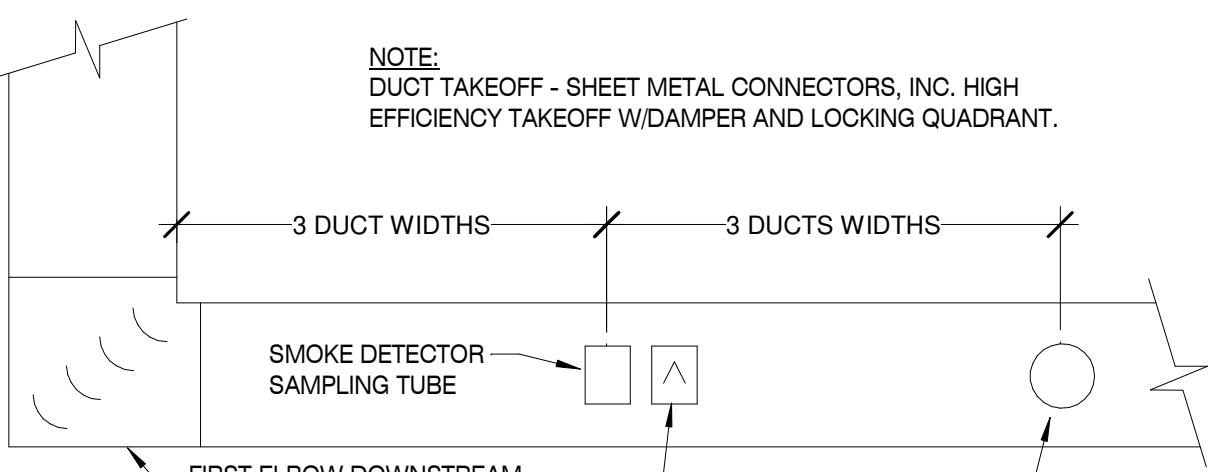
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### FIRE ALARM CONTROL DETAIL

SCALE: NTS

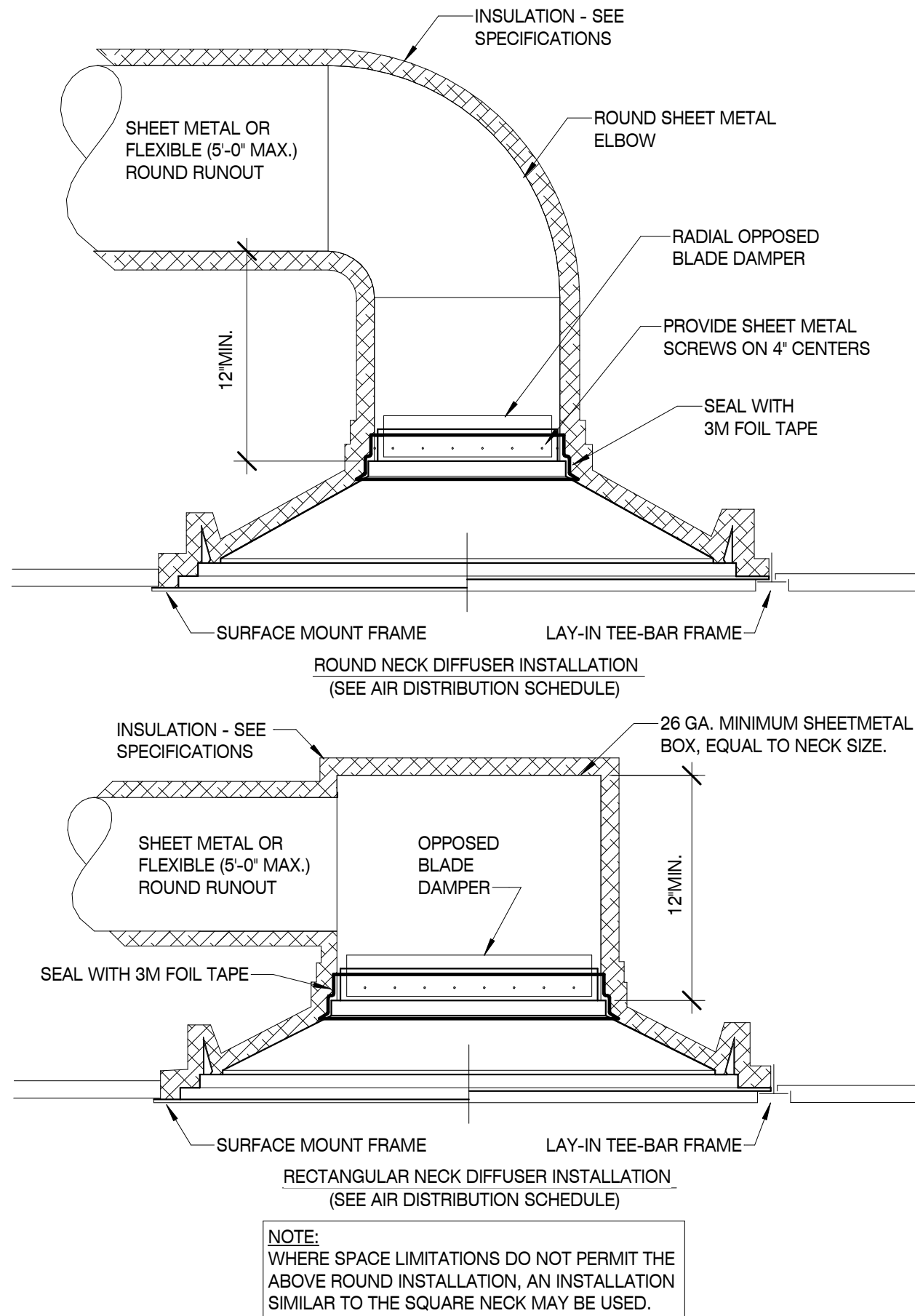
12



### DUCT DETECTOR DETAIL

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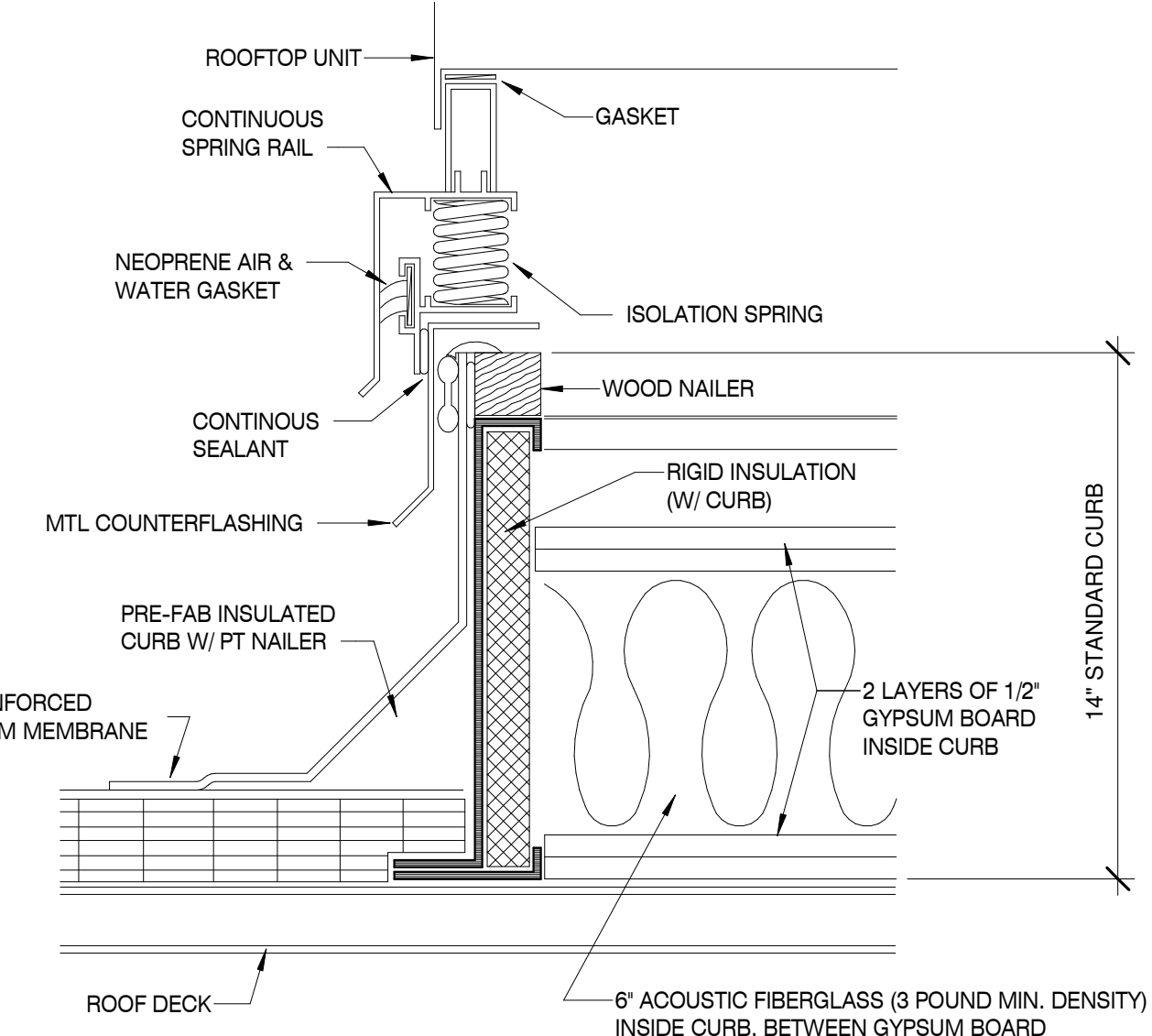
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### TYPICAL CEILING DIFFUSER DETAIL

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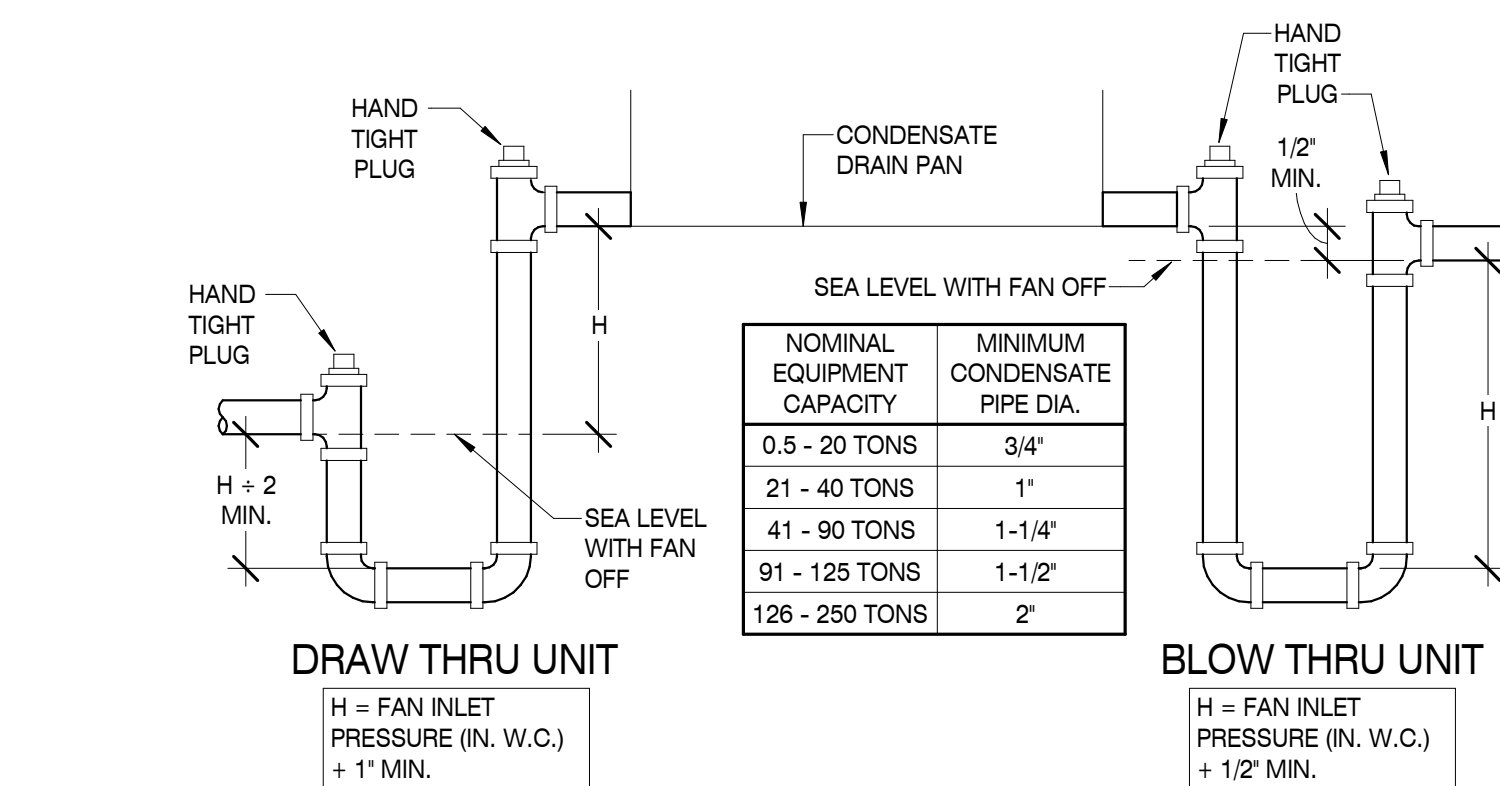
9



### ROOF CURB DETAIL

SCALE: N.T.S.

10



### CONDENSATE TRAP DETAIL

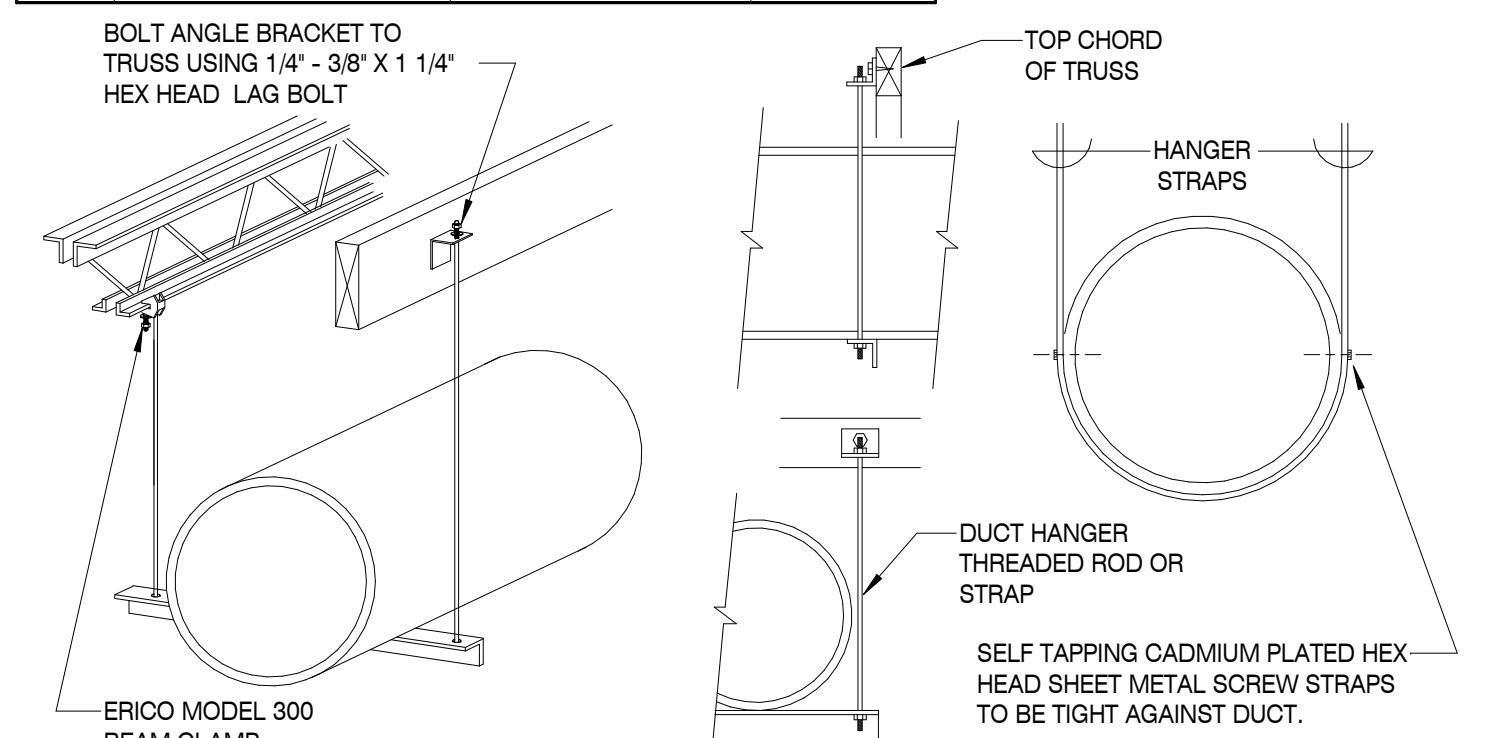
SCALE: 1/8" = 1'-0"

5

HANGER SIZES FOR ROUND DUCT			
MAX SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACINGS
30"	1"x 1/8-GAGE STRAP	1-1/2"x1/2"x1/8"	10'-0"
36"	1/4" ROUND ROD	1-1/2"x1/2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"
84"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"

NOTE: ALL SUPPLY AIR DUCTS SHALL BE WRAPPED EXTERNALLY AS PER SPECIFICATIONS.

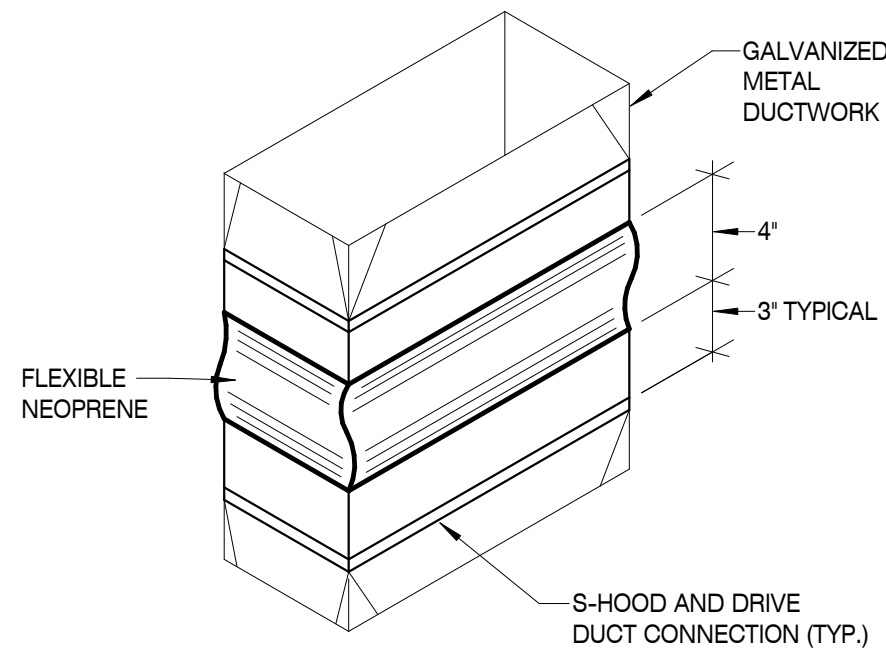
NO POP RIVETS ALLOWED



### ROUND DUCT HANGER DETAIL

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

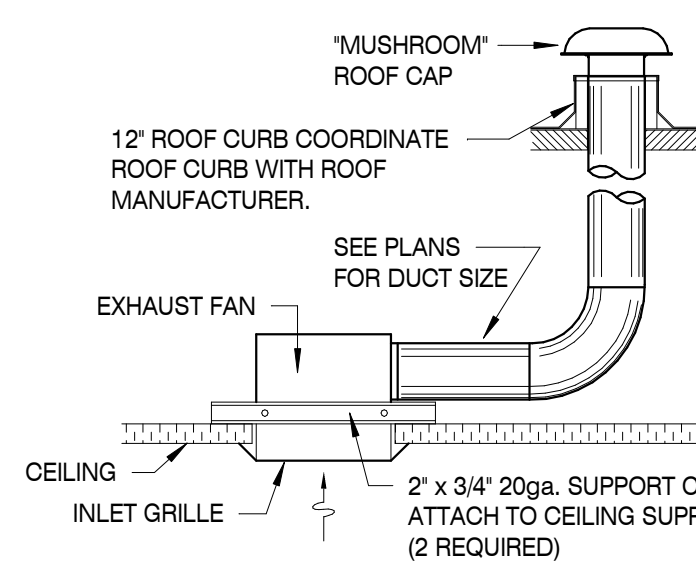
6



### FLEXIBLE CONNECTOR DETAIL

SCALE: N.T.S.

7

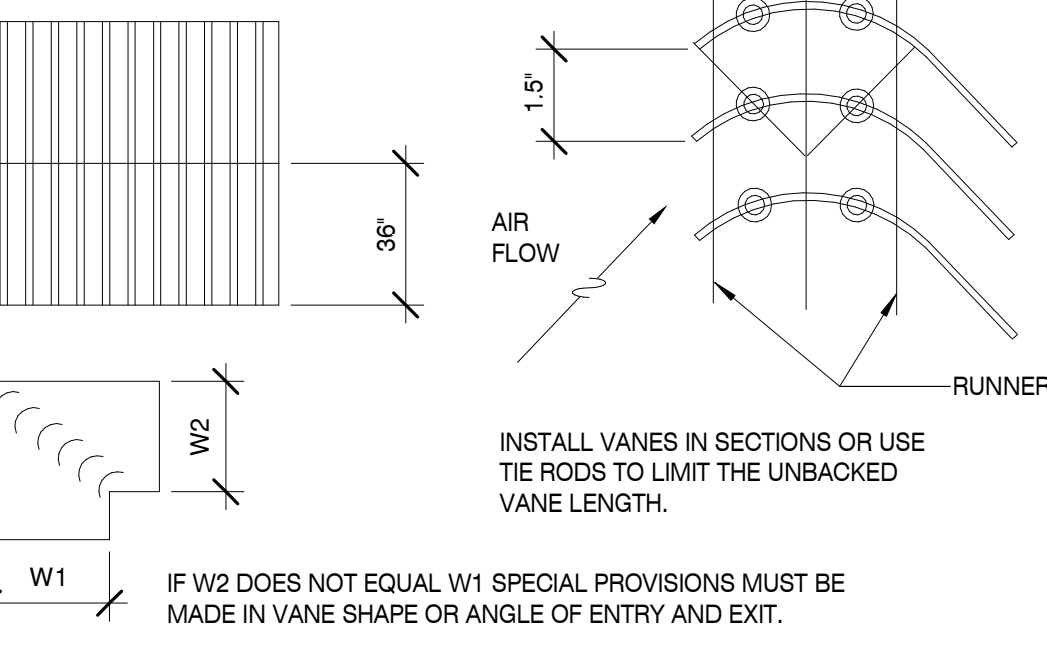


### CEILING EXHAUST FAN DETAIL

SCALE: N.T.S.

8

- NOTES:
- VANES SHALL BE SECURELY FASTENED TO RUNNERS.
  - ALL VANES SHALL BE SECURE AND STABLE IN INSTALLED OPERATING POSITION
  - CARE MUST BE EXERCISED WHEN INSTALLING VANES IN DUCTWORK TO BE LINED AND IN FIBROUS GLASS DUCT
  - MAXIMUM UNSUPPORTED VANE LENGTH SHALL BE 36"



### TURNING VANES DETAIL

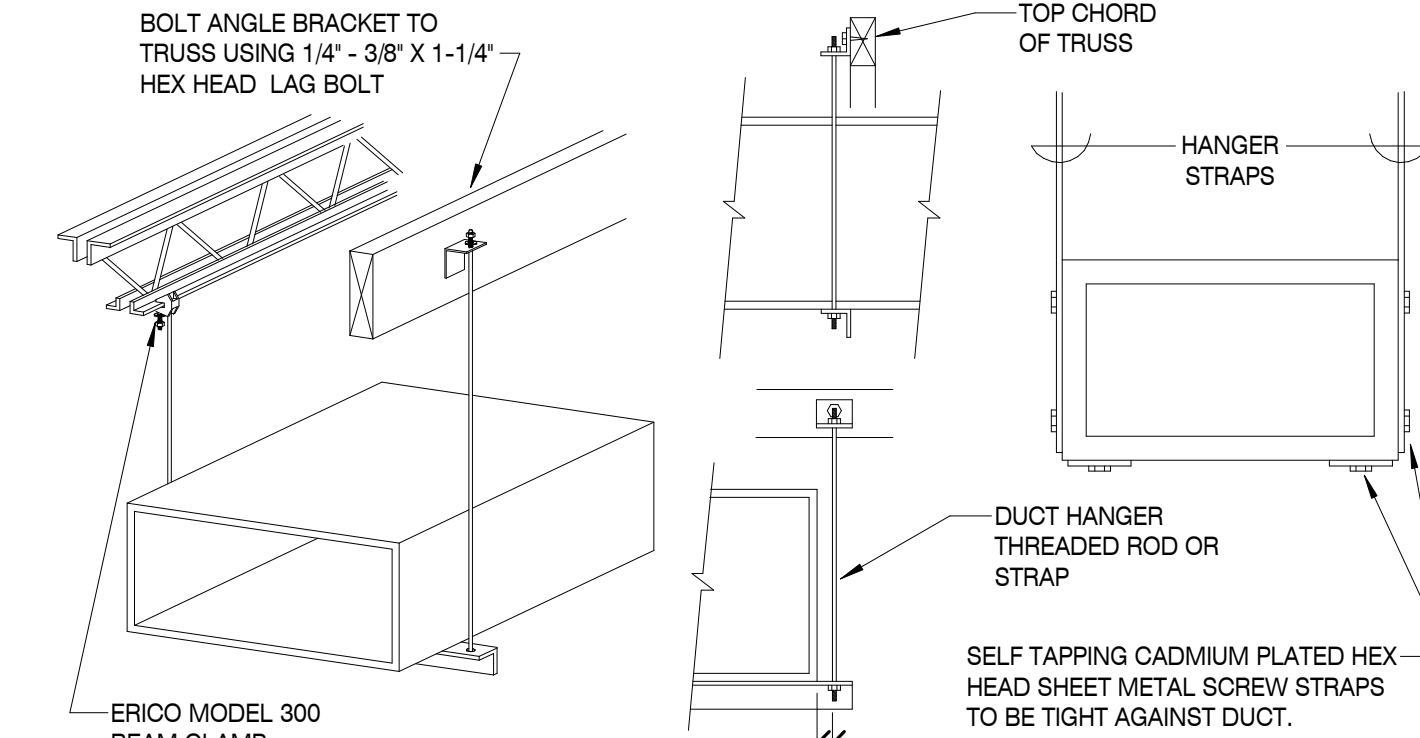
SCALE: N.T.S.

1

HANGER SIZES FOR ROUND DUCT			
MAX SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x 1/8-GAGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1-1/2"x1/2"x1/8"	8'-0"
48"	1/4" ROUND ROD	1-1/2"x1/2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"

NOTE: ALL SUPPLY AIR DUCTS SHALL BE WRAPPED EXTERNALLY AS PER SPECIFICATIONS.

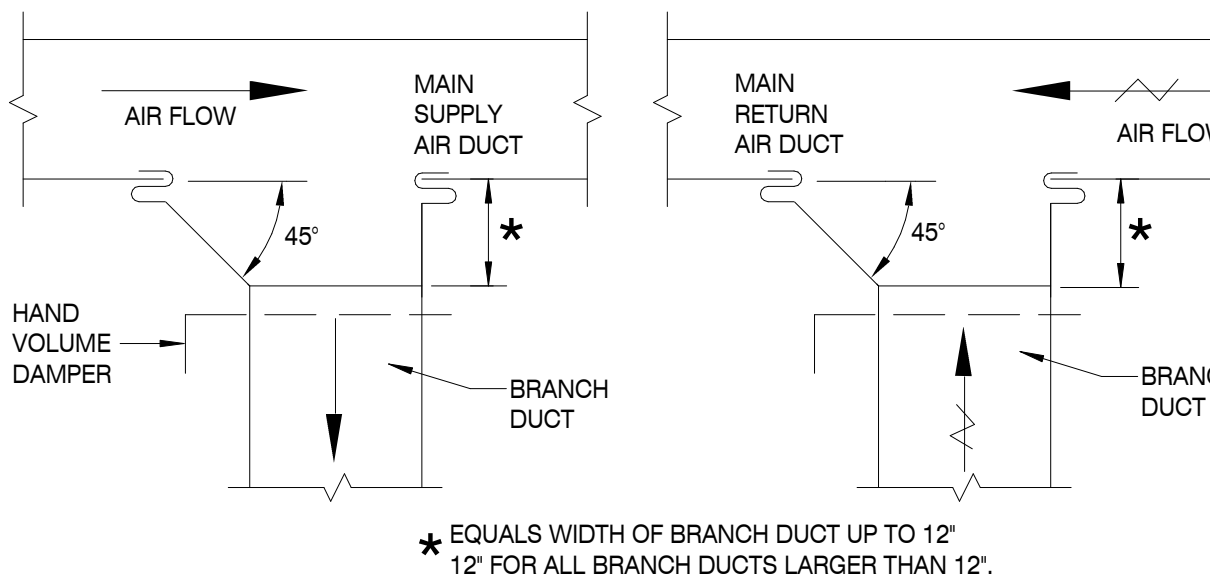
NO POP RIVETS ALLOWED



### RECTANGULAR DUCT HANGER DETAIL

SCALE: N.T.S.

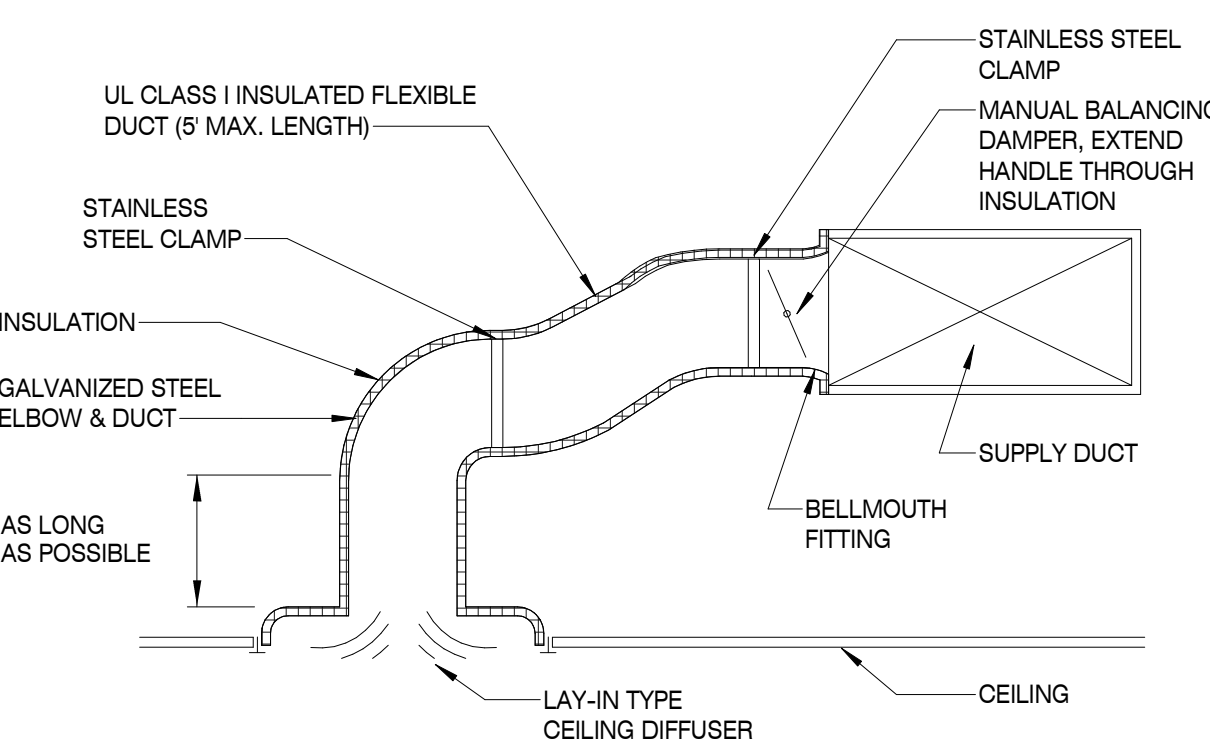
2



### BRANCH DUCT TAKE-OFF DETAIL

SCALE: N.T.S.

3



### SUPPLY BRANCH TAKE-OFF DETAIL

SCALE: N.T.S.

4

MBI

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD #1  
ADDISON, AL 35640  
PROJECT NO.: 180789.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☐ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 08/16/19  
DESIGNED BY: ALJ  
DRAWN BY: ALJ  
REVIEWED BY: JCB  
SHEET TITLE:

HVAC DETAILS

SHEET NO.:

M301

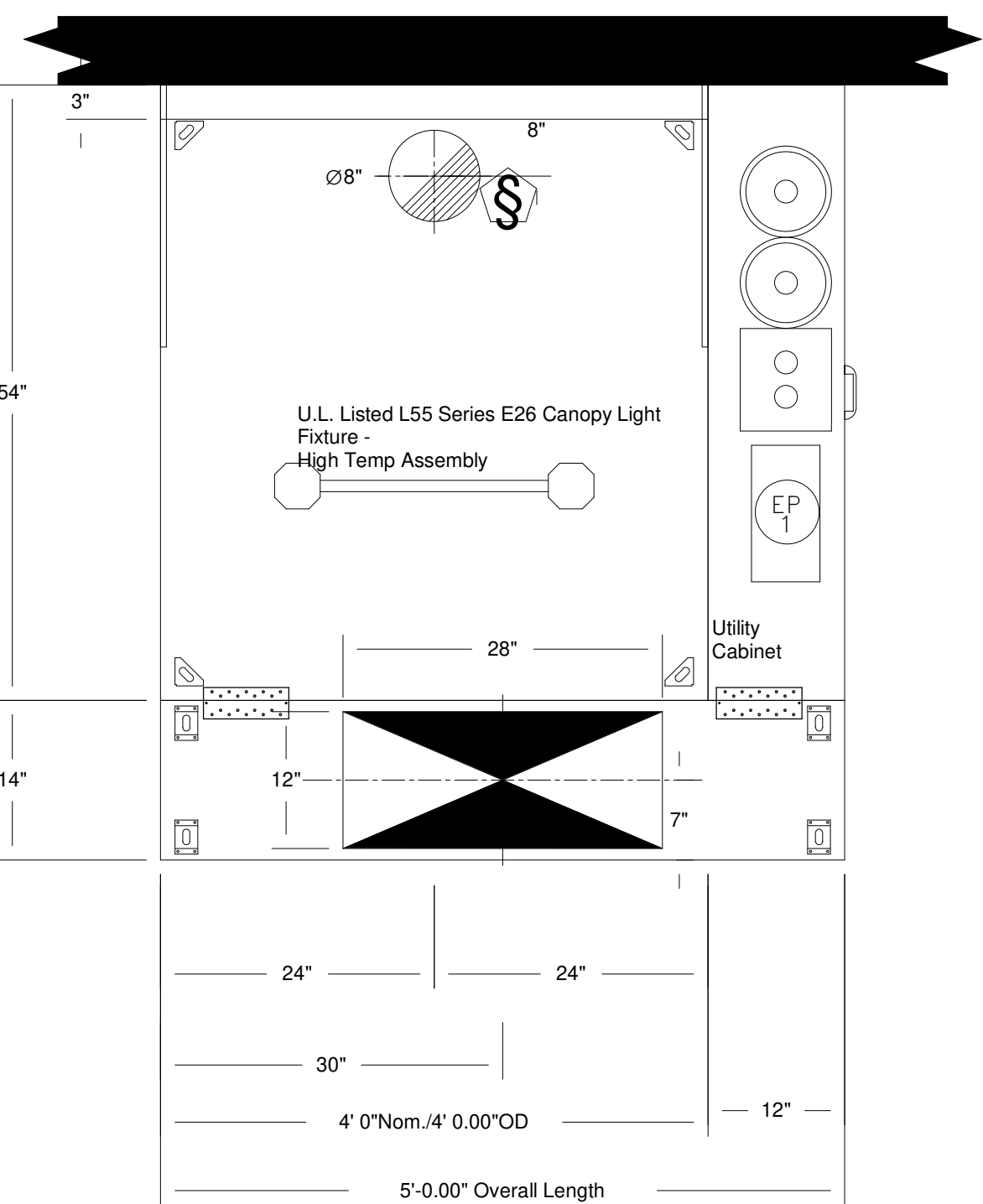


HOOD INFORMATION - Job#3471461																	
HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM								TOTAL SUPPLY CFM	HOOD CONSTRUCTION		HOOD CONFIG.	
					TOTAL EXH. CFM	RISER(S)											
						WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.					
1		5424 ND-2-PSP-F	4' 0"	600 Deg.	800			4"	8"	800	2292	-0.662"	688		430 SS Where Exposed	ALONE	ALONE

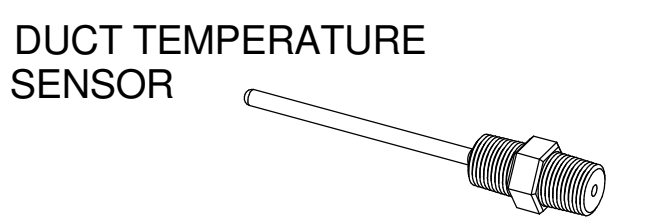
HOOD INFORMATION																	
HOOD NO.	TAG	FILTER(S)				LIGHT(S)			LOCATION	SIZE	UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WGT	
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE			WIRE GUARD	FIRE SYSTEM		ELECTRICAL			SWITCHES
												TYPE	SIZE	MODEL #			QUANTITY
1		Captrate Solo Filter	2	20"	20"	85% See Filter Spec.	2	L55 Series E26	NO	Right	12"x54"x24"	Ansul R102	3.0	DCV-1111	1 Light 1 Fan	YES	461 LBS

HOOD OPTIONS		OPTION
HOOD NO.	TAG	
1		FIELD WRAPPER 18.00" High Front, Left, Right
		BACKSPLASH 80.00" High X 60.00" Long 430 SS Vertical
		LEFT QUARTER END PANEL 23" Top Width, 0" Bottom Width, 23" High 430 SS
		RIGHT QUARTER END PANEL 23" Top Width, 0" Bottom Width, 23" High 430 SS
		SENSOR-CV

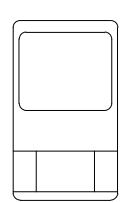
PERFORATED SUPPLY PLENUM(S)							RISER(S)				
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	60"	14"	6"	MUA	12"	28"		688	0.154"



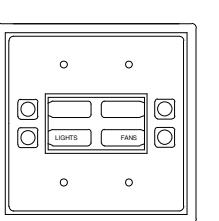
PLAN VIEW - Hood #1  
4' 0.00" LONG  
5424ND-2-PSP-F



Provides exhaust air temperature for proper hood control operation. For all installations excluding a single hood with factory risers and a hood mounted panel, duct mounted temperature sensors will need to be field wired. 2-wire 18 AWG plenum rated thermistor cable must be used.



Provides room override based on temperature differential between the room and duct. Installed by electrician on a wall, 5'-6" off the finished floor, in the space but not directly under the hood or close to an appliance (including the electrical control box) so the reading is accurate for space.

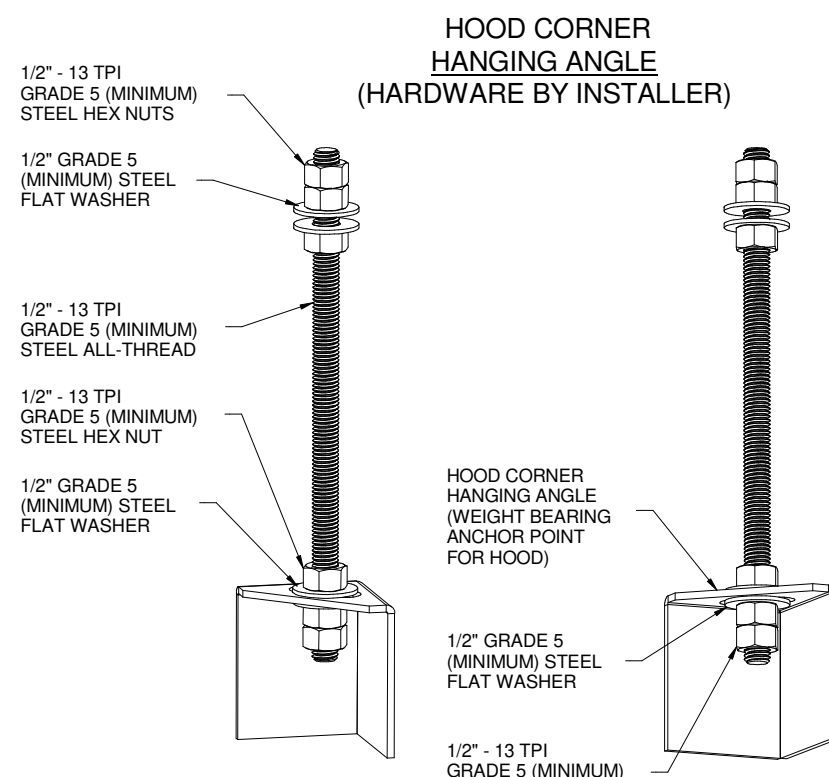


The LCD interface provides user control and hood status. The faceplate is connected to the hood control panel through CAT-5 cable. A faceplate has 2 RJ-45 connectors. One connects to port J4 or J5 in the hood control panel and the other will typically be occupied by a RJ-45 end-of-line terminator.

\*\*\* NOTE \*\*\*

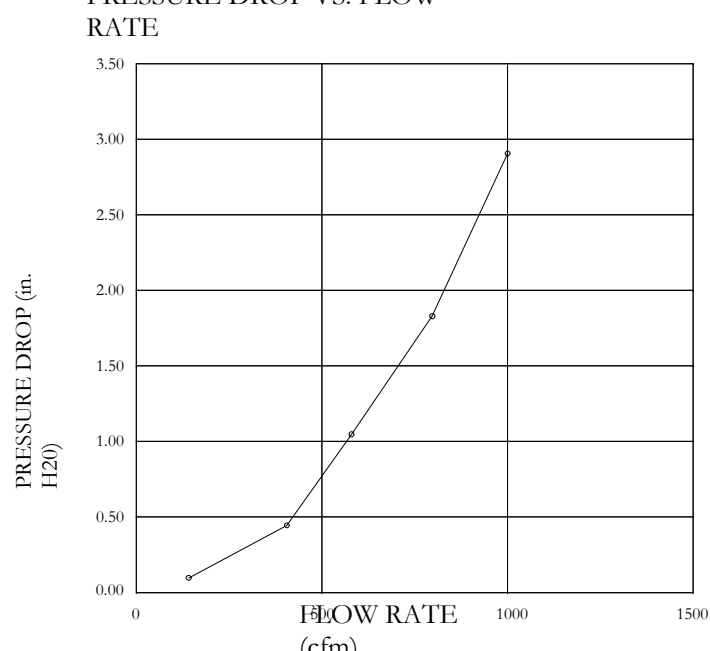
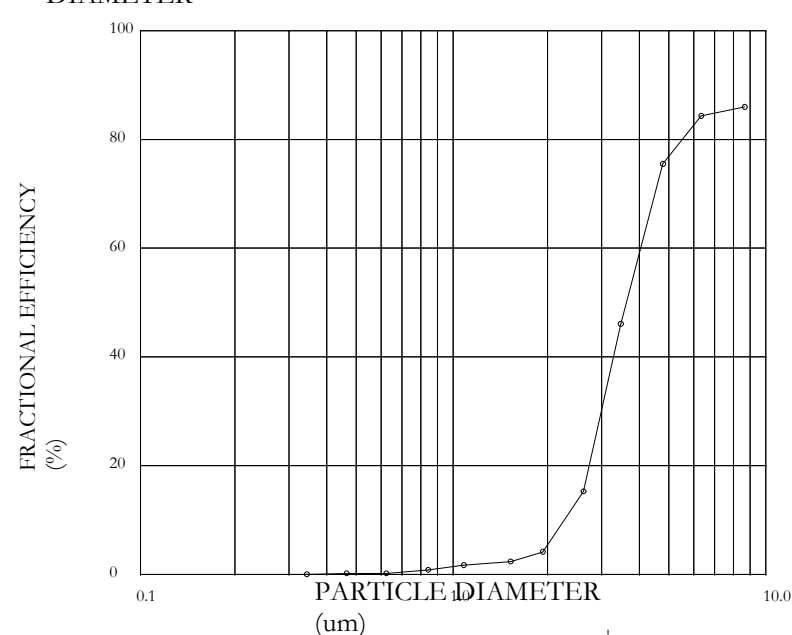
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ALL WALLS THAT COME WITHIN 18" OF HOOD MUST BE METAL STUDS AND SHEETROCK. WOOD STUDS NOT ALLOWED.

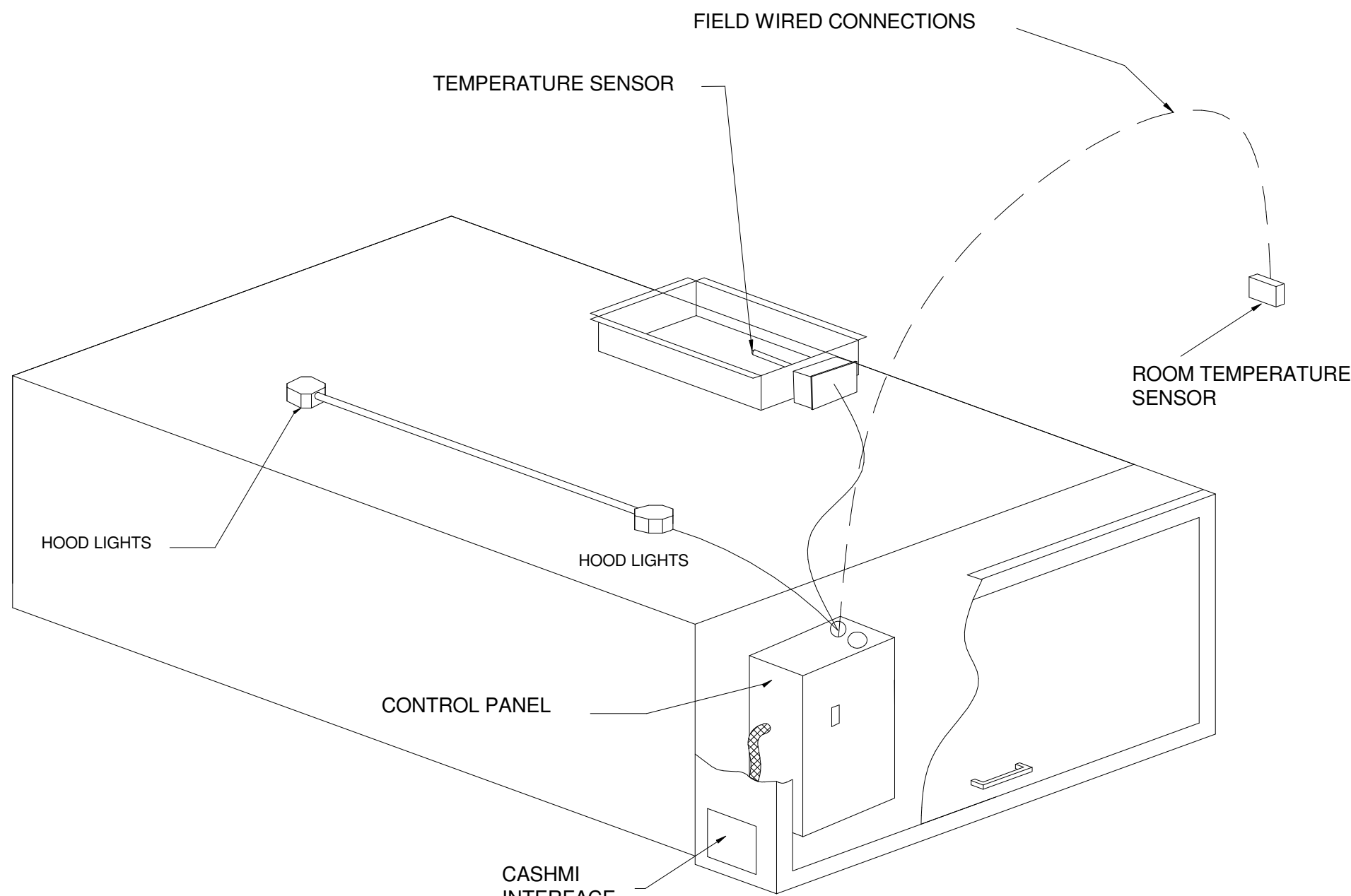


## ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
NFPA #96  
NSF STANDARD #2  
UL STANDARD #1046  
INT. MECH. CODE (IMC)  
ULC-S649




## System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

SECTION VIEW - MODEL  
5424 MOD-PSP-F  
#1

ARCHITECT:	
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MECHANICAL ENGINEER:	
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PROJECT INFORMATION	
PROJECT:	
CLAYTON ADDISON MANUFACTURING FACILITY (943)	
PROJECT ADDRESS:	
18025 COUNTY ROAD 41 ADDITION, AL 35640	
PROJECT NO.:	180789-04
NOTES	
ACTIVE DESIGN PHASE	
<input type="checkbox"/> FOR REVIEW ONLY	
<input type="checkbox"/> FOR PERMITTING ONLY	
<input type="checkbox"/> SCHEMATIC DESIGN	
<input type="checkbox"/> DESIGN DEVELOPMENT	
<input type="checkbox"/> CONSTRUCTION BIDDING	
<input checked="" type="checkbox"/> CONSTRUCTION DOCUMENTS	
<input type="checkbox"/> AS-BUILT RECORD SET	
REVISION INFORMATION	
NO.	DATE DESCRIPTION
KEY PLAN	
SHEET INFORMATION	
SHEET ISSUED:	08/16/19
DESIGNED BY:	AJJ
DRAWN BY:	AJJ
REVIEWED BY:	JCB
SHEET TITLE:	
RANGE HOOD DETAILS	
SHEET NO.:	
M302	



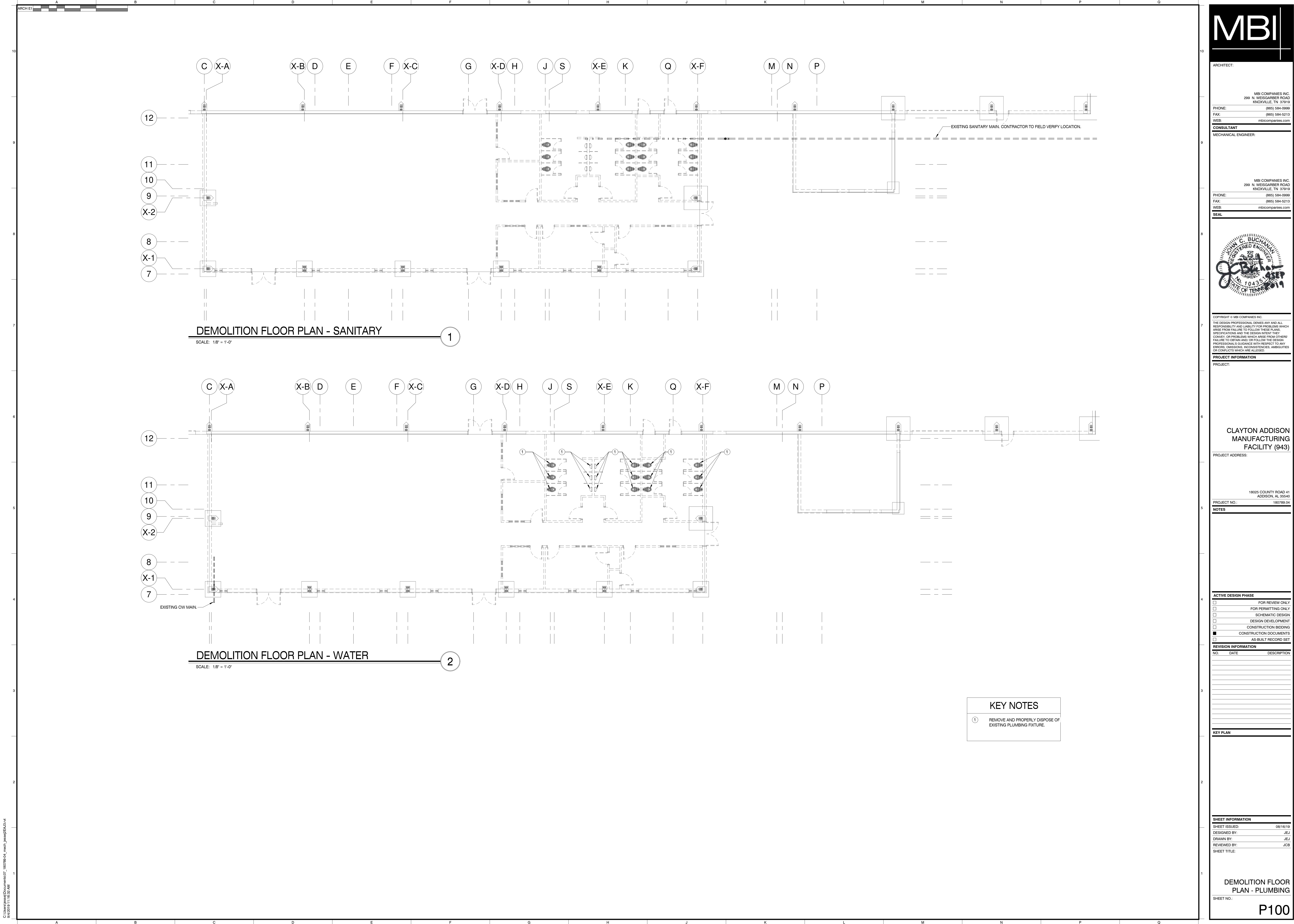




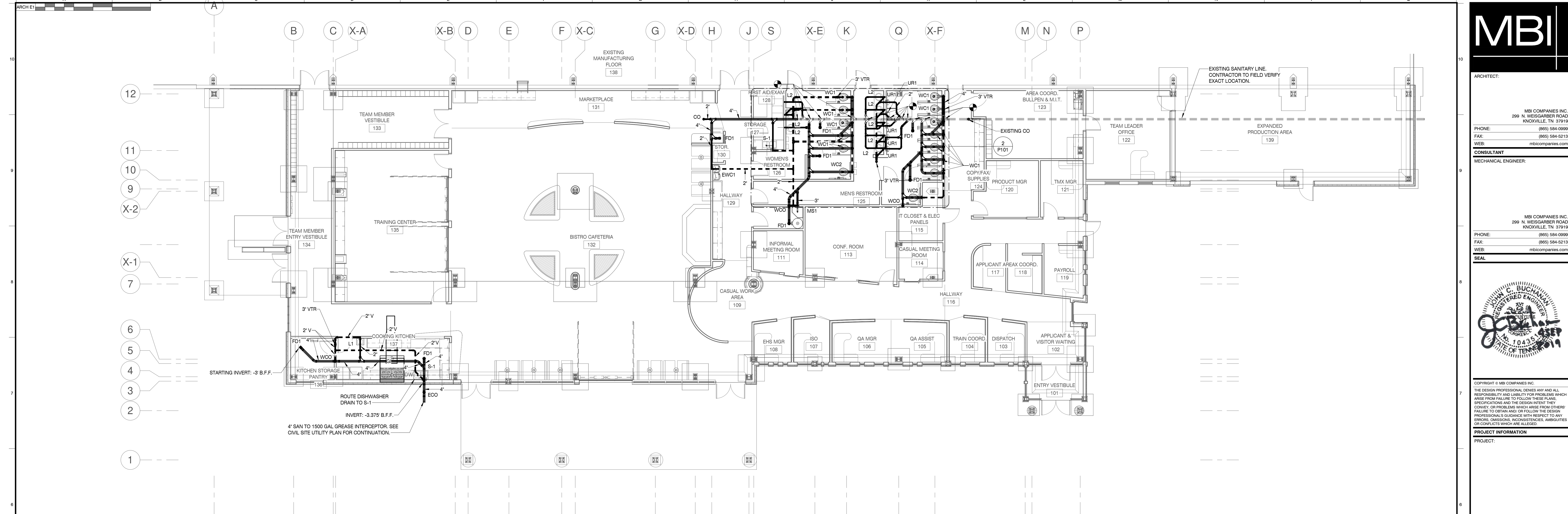




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9/20/19 11:15:52 AM



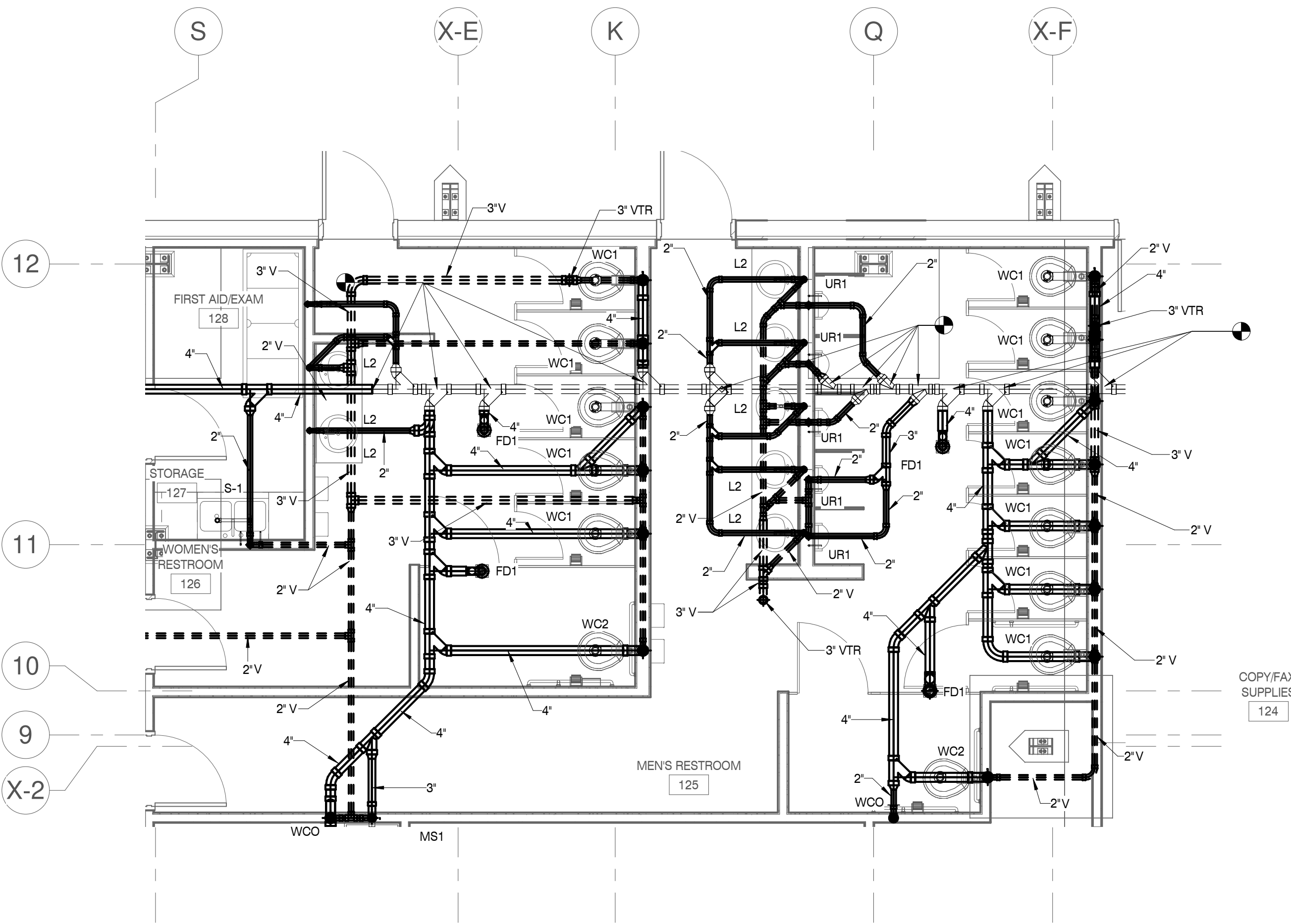




FIRST FLOOR PLAN - SANITARY

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

1



ENLARGED RESTROOM FLOOR PLAN - SANITARY

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

2

MBI

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180788.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

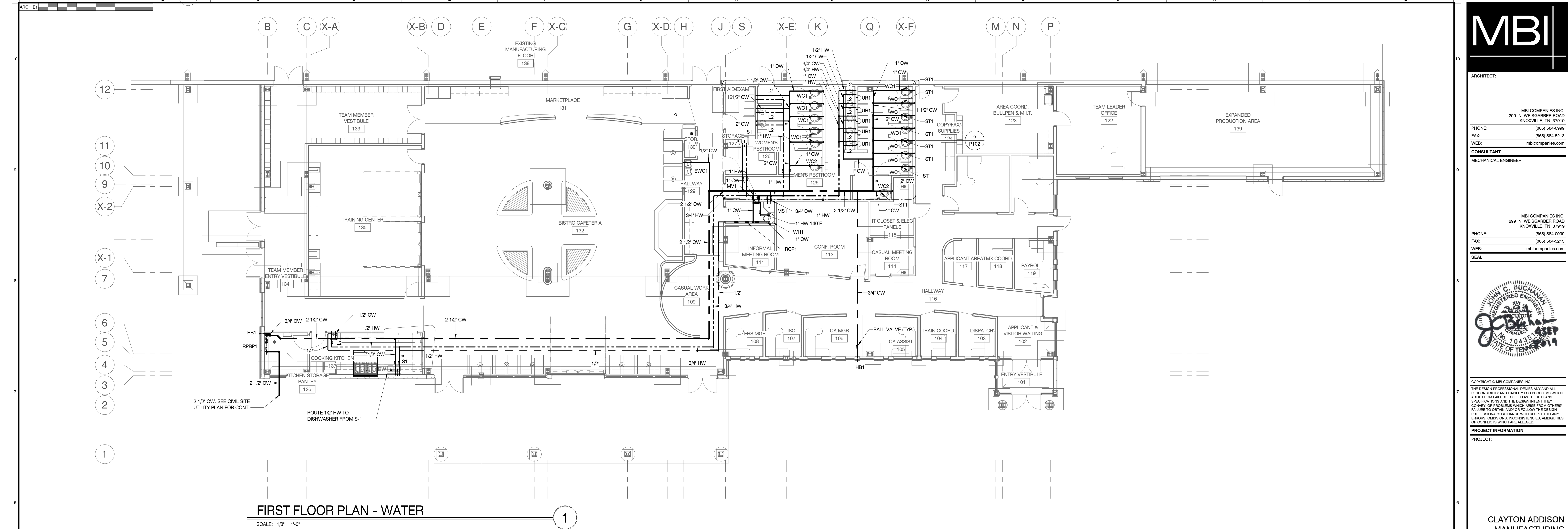
SHEET ISSUED: 08/16/19  
DESIGNED BY: JEJ  
DRAWN BY: JEJ  
REVIEWED BY: JCB  
SHEET TITLE:

FLOOR PLAN -  
SANITARY

SHEET NO.:

P101

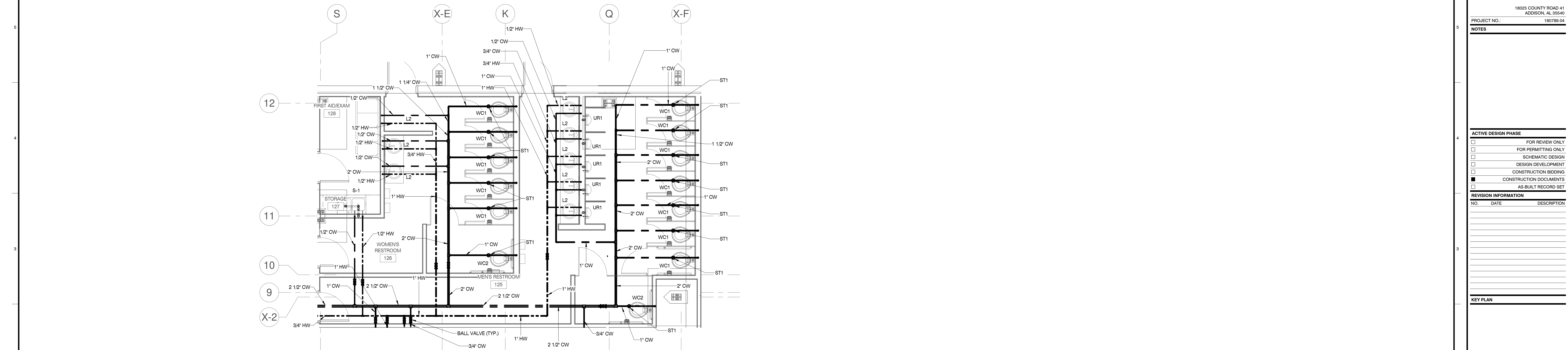




FIRST FLOOR PLAN - WATER

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

1



FIRST FLOOR PLAN - WATER

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

2

MBI

ARCHITECT:  
  
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CONSULTANT  
MECHANICAL ENGINEER:

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CLAYTON ADDISON  
MANUFACTURING  
FACILITY (943)

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789.04

NOTES

ACTIVE DESIGN PHASE  
☐ FOR REVIEW ONLY  
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☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION  
SHEET ISSUED: 08/16/19  
DESIGNED BY: JEJ  
DRAWN BY: JEJ  
REVIEWED BY: JCB  
SHEET TITLE:

FLOOR PLAN - WATER  
SHEET NO.:

P102




ITEM	DESCRIPTION	SPECIFICATION	CW (inch)	HW (inch)	W (inch)	V (inch)	REMARKS
UR1	URINAL - HC	ZURN, MODEL # Z5795 27X19" WALL HUNG, WATERLESS URINAL WITH INTEGRAL TRAP AND DRAIN LINE CONNECTION, VITREOUS CHINA, WITH ZURN GREEN SEALANT REFILL MODEL #Z558-12002 (1 GALLON BOTTLE OF GREEN SEALANT)			2"	1-1/2"	
	CARRIER	ZURN, MODEL # ZR-1222 SUPPORT W/BEARING FLATE.					
WC1	WATER CLOSET	ZURN, MODEL # Z5655.355.11.03.00 1.6 GPF FLOOR MOUNTED FLUSH VALVE TYPE TOILET, ELONGATED WATER CLOSET WITH AQUAVANTAGE BATTERY POWERED SENSOR FLUSH VALVE, OPEN FRONT SEAT WITH SELF SUSTAINING STAINLESS STEEL CHECK HINGE, CLOSET BOLTS AND WAX RING. (SLOAN ROYAL IS AN ACCEPTABLE SUBSTITUTE, SLOAN REGAL WILL BE REJECTED)	1"		3"	2"	
	CLOSET FLANGE	ZURN MODEL # CF2992 CAST IRON TORQUE SET CLOSET FLANGE WITH INTEGRAL TEST CAP					
WC2	WATER CLOSET	ZURN, MODEL # Z5655.355.11.03.00 1.6 GPF FLOOR MOUNTED ADA HEIGHT FLUSH VALVE TYPE TOILET, ELONGATED WATER CLOSET WITH AQUAVANTAGE BATTERY POWERED SENSOR FLUSH VALVE, OPEN FRONT SEAT WITH SELF SUSTAINING STAINLESS STEEL CHECK HINGE, CLOSET BOLTS AND WAX RING. (SLOAN ROYAL IS AN ACCEPTABLE SUBSTITUTE, SLOAN REGAL WILL BE REJECTED)	1"		3"	2"	
	CLOSET FLANGE	ZURN MODEL # CF2992 CAST IRON TORQUE SET CLOSET FLANGE WITH INTEGRAL TEST CAP					
EW-C-1	ELEC. WTR. COOLER-HC	ELKAY, MODEL # L25T18WSLK WITH EZ2H20 BOTTLE FILLER BARRIER FREE, B1-EVILE, 9 GPM 115V/60HZ 4.0AMP 370 WATTS, COOLER SHALL BE ALL METAL CONSTRUCTION, WATER LINES, REFRIGERANT LINES AND SOLID CONNECTION TO DRAIN. PROVIDE IN STAINLESS STEEL.	1/2"		1-1/4"	1-1/4"	
	SUPPLY	ZURN, MODEL # Z9901.000.0.07.A3.0 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT, 1/2"NOM X 3/8"OD STOP, COPPER TUBE SUPPLY LINE AND ESCUTCHEON.					
	CARRIER	ZURN, MODEL # ZR-1225 FLOOR MOUNTED SUPPORT					
ST1	HAMMER ARRESTOR	ZURN, MODEL #Z-1700-100 PLUMBING DRAINAGE INSTITUTE RATING 'A' (1-11 FUJ)					


## PLUMBING FIXTURE SCHEDULE


\*\*TRIM PRODUCTS ( STOPS, PTRAPS, SUPPLIES ETC.) SHALL BE FROM SAME MANUFACTURER. ANY CONFLICTS WITH THE SCHEDULE AND THE CONSTRUCTION DOCUMENTS SHALL BE DIRECTED TO THE ENGINEER OF RECORD A MIN THREE (3) DAYS BEFORE BID DATE. CONTRACTOR SHALL PROVIDE A MIN OF THREE (3) COPIES OF SHOP DRAWINGS FOR APPROVAL. SEE SPECIFICATIONS

EQUAL PRODUCTS AND ALTERNATE MANUFACTURERS LISTED SHALL ALSO BE CONSIDERED: SLOAN, JOSAM, LEONARD, GUARDIAN, DURA-TRENCH, OASIS, HALSEY-TAYLOR, WILLUGHBY

ITEM	DESCRIPTION	SPECIFICATION	CW (inch)	HV (inch)	W (inch)	V (inch)	REMARKS
WOO	CLEANOUT  WALL PLATE	ZURN LC, MODEL #C02413-PVC-ST 3' X 4' WALL CLEANOUT BODY AND PLUG  ZURN LC, MODEL #C02530-SST 7' ROUND STAINLESS STEEL AQCESS COVER W/ SECURING SCREW.					
CO	CLEANOUT	ZURN, MODEL #ZN-1400 INTERIOR FINISH FLOOR, 9' ROUND NICKEL BRONZE TOP					
ECO	CLEANOUT	ZURN LC, MODEL #C02430-BP NEED-LOG FITTING 2'-6" CLEAN OUT BODY WITH BRONZE PLUG. SEE DRWG'S FOR SIZE					
FD1	FLOOR DRAIN  TRAP GUARD  TRAP	ZURN,MODEL #ZN415-S-P-Y GENERAL SERVICE DRAIN WITH 6" SQUARE STRAINER& SEDIMENT BUCKET  PROSET SYSTEMS TRAP GUARD, MODEL #TG33-ZURN  ZURN, MODEL #Z-1000-P DEEP SEAL TRAP			4'	1'-1/2'	
HB1	ENCASED HOSE BIBB	ZURN, MODEL #Z-1320-CXL ENCASED, ECOLOGICALTM, LEAD-FREE, NON-FREEZE AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. HYDRANT FEATURES INTEGRAL BACKFLOW PREVENTER WITH ANTI-SIPHON TECHNOLOGY, COPPER CASING, BRONZE AND STAINLESS STEEL INTERIOR COMPONENTS, NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE. COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET CONNECTION, AND 3/4" MALE HOSE CONNECTION. HYDRANT FURNISHED WITH CHROME-PLATED ROUGH CAST BRONZE HOUSING WITH LOCKING HINGED COVER STAMPED "WATER" AND INCLUDES OPERATING KEY.	3/4"				
IM1	ICE MAKER  VALVE	WATER TITE, MODEL#W9700 10/CARTON, WHITE BOX 82068  CHROME QUARTER TURN ADAPTER BALL VALVE, 1/2" SWEAT CONNECTION	1/2"				
S-1	SINK    FAUCET AND SUPPLIES	ELKAY, MODEL # LR3322PD STAINLESS STEEL DOUBLE COMPARTMENT, 18 GA. STAINLESS STEEL, 4 HOLE SINK WITH INTEGRAL DRAIN SYSTEM.  ZURN, MODEL # 29908.423.0.19.B5.0 8"OC FAUCET WITH SINGLE CONTROL, SIDE SPRAY AND 10" CAST SWING SPOUT, PROVIDED WITH 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT, 1/2" NOM X 3/8" OD STOPS, 20" BRAIDED STAINLESS STEEL, SUPPLY LINES AND ESCUTCHEONS.	1/2"	1/2"	1'-1/2"	1'-1/4"	
L1	LAVATORY - HC   CARRIER	ZURN, MODEL # 25344.519.3.07.B6.6 20" X 18" - 4"OC WALL HUNG LAVATORY, SOLID BRASS SINGLE CONTROL FAUCET, OFFSET GRID DRAIN, 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT, 1/2" NOM X 3/8" OD STOPS, 20" BRAIDED STAINLESS STEEL SUPPLY LINES, ESCUTCHEONS AND TRAP WRAP.  ZURN, MODEL # ZR-1231 FLOOR MOUNTED SUPPORT	1/2"	1/2"	1'-1/4"	1'-1/4"	
L2	LAVATORY - HC  FAUCET  DRAIN  TRAP  STOPS  SUPPLIES  ESCUTCHEONS	AMERICAN STANDARD, MODEL # 485.300 17-1/8" X 14-1/8" - 4"OC OVALYIN STYLE UNDERMOUNT LAVATORY, FRONT OVERFLOW, VITREOUS CHINA, WITH MOUNTING KIT (047194-0070A) AND TEMPLATE PROFLO, MODEL #PFL11011M SINGLE LEVER CHROME FAUCET, 4" CENTER ZURN, MODEL # Z-8746 OFFSET GRID STRAINER W/ 1-1/4" TAILPIECE MCQUIRE, MODEL # PW2125 1-1/4" CAST BRASS P-TRAP W/IC.O. PLUG AND MOLDED CELL INSULATION BRASS CRAFT, MODEL #0CR19C, 1/2" NOM. COMPR.X 3/8"O.D. COMPR.  ZURN, MODEL # Z-8860 S.S. BRAIDED SUPPLY TUBING CONSISTING OF EPDM TUBING JACKETED BY 304 S.S. BRAID, S.S. FERRULE & NICKLE PLATED BRASS NUTS.  ZURN, MODEL # Z-8948-12 SHALLOW WROUGHT BRASS POLISHED CHROME FLANGE	1/2"	1/2"	1'-1/4"	1'-1/4"	
MS1	MOP SINK   TRAP	ZURN, MODEL # Z1996.09.215.1.04.04 24" X 24" COMPOSITE MOP DASH W/ S.S. BUMPER GUARD, MOP HANGER, HOSE AND BRACKET, 304 STAINLESS STEEL, 20 GAUGE WALL THRU-OUT AND Z841M1-RC SERVICE SINK FAUCET WITH VACUUM BREAKER SPOUT, 3/4" INTEGRAL HOSE THREADED OUTLET, PAIL HOOK AND WALL BRACE.  ZURN, MODEL # Z-1000, 3" DEEP SEAL TRAP W/TRAP PRIMER Z-1022	1/2"	1/2"	3'	1'-1/2"	
MV1	MIXING VALVE	SYMMONS, MODEL # 7-400 "TEMPITROL," THERMOSTATIC MIXING VALVE ALL BRONZE AND STAINLESS STEEL CONSTRUCTION. PROVIDE WITH SWIVEL STOPS, REMOVABLE CARTRIDGE WITH STRAINER, BIMETALLIAL THERMOMETER.					
RPBP-1	BACKFLOW PREVENTER   PRESS. RED. VALVE  PRESSURE GAUGE	WILKINS, MODEL # 975XL2CUSAG REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER "Y" PATTERN BODY, PROVIDED WITH "Y" STRAINER ON INLET SIDE OF DEVICE AND PROVIDED WITH AIRPAP AND TEST COCKS FACING UP FOR TESTER, INSTALLED HEIGHT MIN 4'-0" A.F.F. MAX 5'-0" A.F.F.  WILKINS, MODEL # 500 SERIES 2-1/2" BRONZE BODY CONSTRUCTION SERVICE&E INLINE, CAN BE INSTALLED IN ANY POSITION. INSTALL ON INLET SIDE OF RPZ BACKFLOW DEVICE.  WILKINS, MODEL # 2004-25-300, 0-300 POUND GAUGE TO BE INSTALLED ON INLET AND OUTLET SIDE OF RPV.					

WATER HEATER SCHEDULE (ELECTRIC)							
DRAWING SYMBOL	STORAGE CAPACITY	NUMBER OF ELEMENTS	KILOWATT PER ELEMENT	VOLTAGE	RECOVERY GPH @ 100° RISE	MANUFACTURER & MODEL #	DIMENSIONS
	80	2	4.5	208/1	20	STATE PCE 82 20RTA	24"DIAx60"H
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"> <li>• ALTERNATE MANUFACTURERS: AO SMITH, LOCHINVAR, STATE IND.</li> <li>• UNIT SHALL BE ASME LISTED</li> <li>• PROVIDE ASSE 10161017 DEVICE SET AT MAX 110° F</li> <li>• NON-SIMULTANEOUS OPERATION</li> <li>• THERMAL EXPANSION TANK (ZURN) - WTTA-20</li> <li>• DIELECTRIC UNIONS (ZURN) - DUHT</li> <li>• BALL VALVES (ZURN) - 850C</li> </ul>							

RECIRCULATION PUMP SCHEDULE						
DRAWING SYMBOL	HP	VOLTAGE	MOTOR RPM	WEIGHT (LBS.)	MANUFACTURER & MODEL #	SYSTEM
	1/12	115	2650	11.6	BELL & GOSSETT PL-50B	HOT WATER RECIRCULATION
<b>ACCESSORIES AND FEATURES:</b> <ul style="list-style-type: none"> <li>• ALL BRONZE CIRCULATOR PUMP</li> <li>• PROVIDE WITH FLANGED BALL VALVES ON INLET AND OUTLET.</li> <li>• SEE SPECIFICATIONS FOR OTHER PERTINENT INFORMATION.</li> </ul>						

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MECHANICAL ENGINEER:		
MBI COMPANIES INC. 299 N. WEISSGARDNER ROAD KNOXVILLE, TN 37919		
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<b>PROJECT INFORMATION</b>		
PROJECT:		
CLAYTON ADDISON MANUFACTURING FACILITY (943)		
PROJECT ADDRESS:		
18025 COUNTY ROAD 41 ADDISON, AL 35540		
PROJECT NO.:	180789 04	
<b>NOTES</b>		
<b>ACTIVE DESIGN PHASE</b>		
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<input type="checkbox"/>	FOR PERMITTING ONLY	
<input type="checkbox"/>	SCHEMATIC DESIGN	
<input type="checkbox"/>	DEVELOPMENT	
<input type="checkbox"/>	CONSTRUCTION BIDDING	
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<input type="checkbox"/>	AS-BUILT RECORD SET	
<b>REVISION INFORMATION</b>		
NO.	DATE	DESCRIPTION
<b>KEY PLAN</b>		
<b>SHEET INFORMATION</b>		
SHEET ISSUED:	08/16/19	
DESIGNED BY:	JEU	
DRAWN BY:	JEU	
REVIEWED BY:	JCB	
SHEET TITLE:		







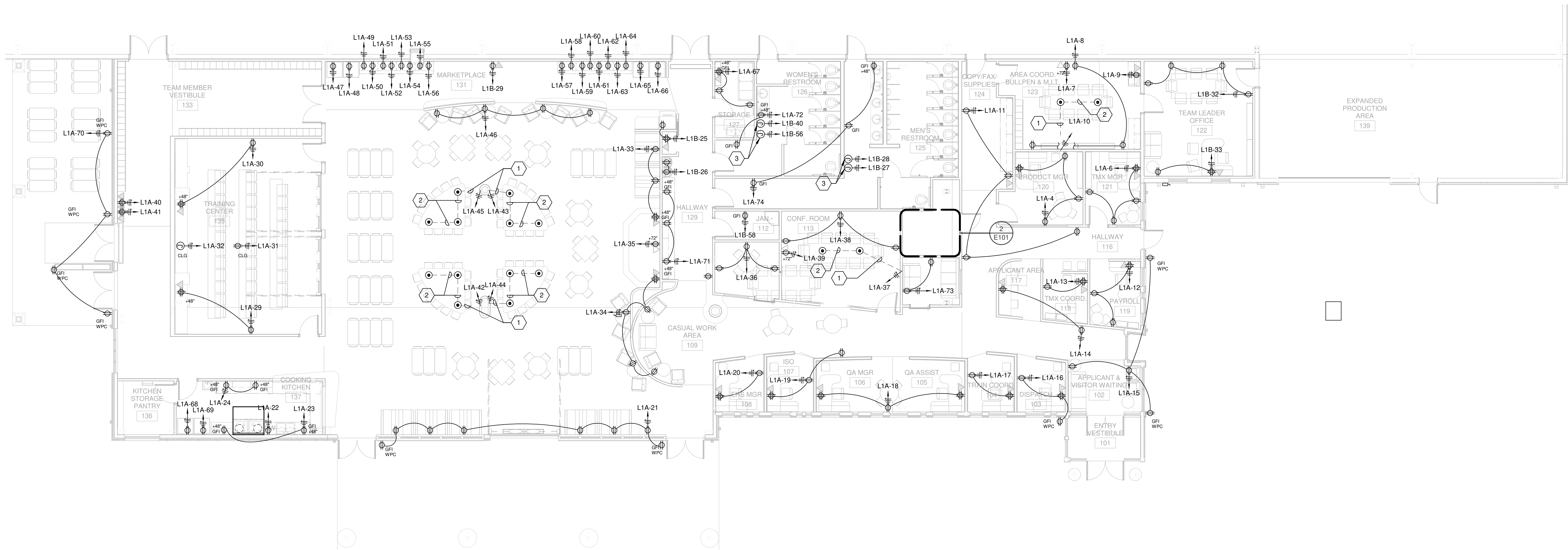




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## FLOOR PLAN - POWER

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



## FLOOR PLAN - POWER - Callout 1

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

2

### GENERAL SHEET NOTES

- SEE SHEET E001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.

### KEYED SHEET NOTES

- TWO 1" CONDUITS RUN UNDERGROUND TO NEAREST WALL OR COLUMN AND STUBBED ABOVE CEILING. ONE CONDUIT FOR DATA AND ONE FOR POWER.
- TWO 1" CONDUITS WITH PULL STRING RUN UNDER TABLE SURFACE TO STUB POINT.
- JUNCTION BOX FOR ELECTRIC HAND DRYERS. COORDINATE WITH HAND DRYER SUPPLIER AND OWNER FOR FINAL LOCATION.

# MBI

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#### PROJECT INFORMATION

PROJECT:

#### CLAYTON ADDISON MANUFACTURING FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789.04

NOTES

#### ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
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- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

#### REVISION INFORMATION

NO.	DATE	DESCRIPTION

#### KEY PLAN

#### SHEET INFORMATION

SHEET ISSUED: 09/04/2018  
DESIGNED BY: JCH  
DRAWN BY: JCH  
REVIEWED BY: SVW  
SHEET TITLE:

#### FLOOR PLAN - POWER

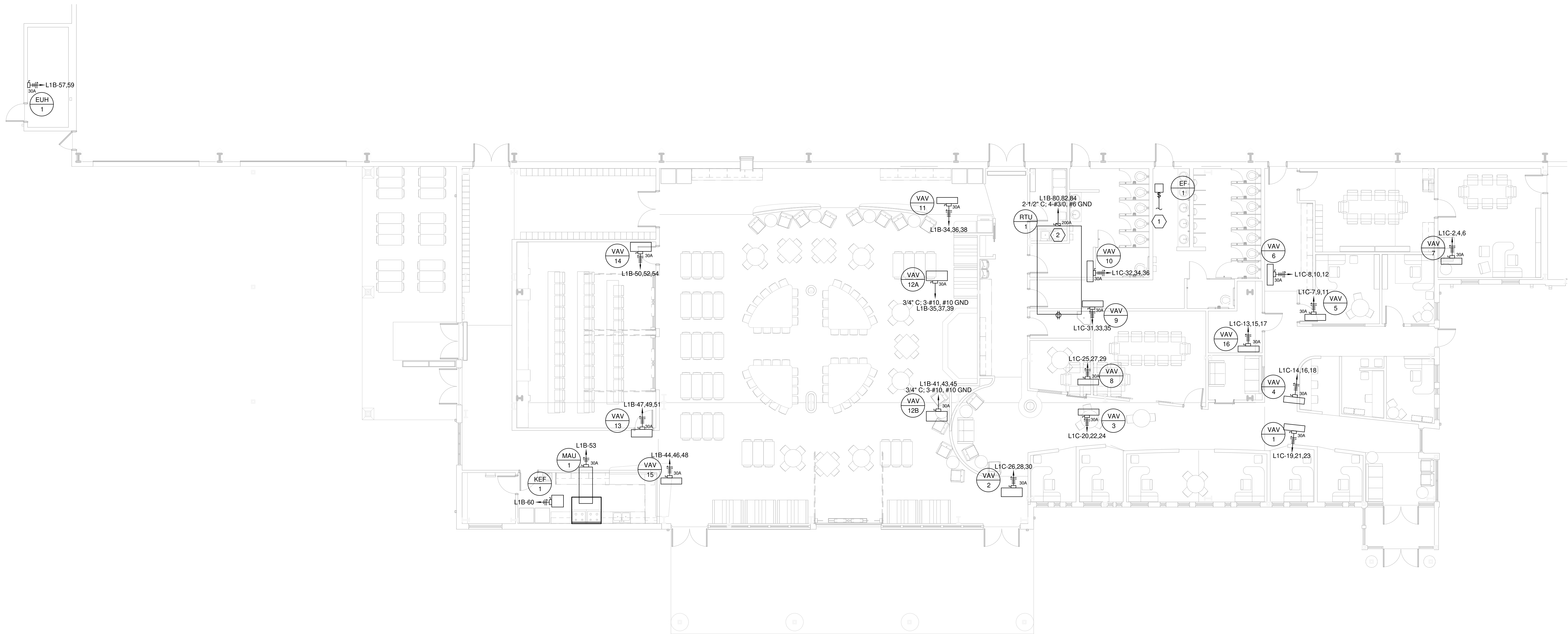
SHEET NO.:

# E101

1



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FLOOR PLAN - HVAC POWER AND FIRE ALARM

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

1

GENERAL SHEET NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.

KEYED SHEET NOTES

1. CONNECT TO NEAREST 120-VOLT LIGHTING CIRCUIT.
2. FUSE PER MANUFACTURER NAMEPLATE DATA.

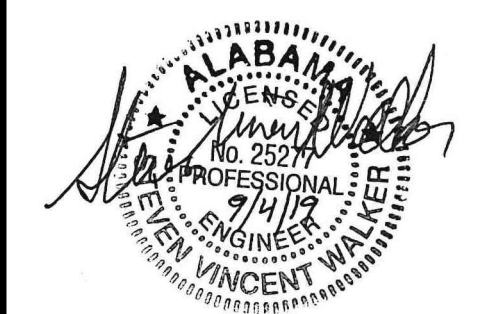
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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
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- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/04/2014  
DESIGNED BY: JCH  
DRAWN BY: JCH  
REVIEWED BY: SWW  
SHEET TITLE:

FLOOR PLAN - HVAC  
POWER AND FIRE  
ALARM

SHEET NO.:

E102



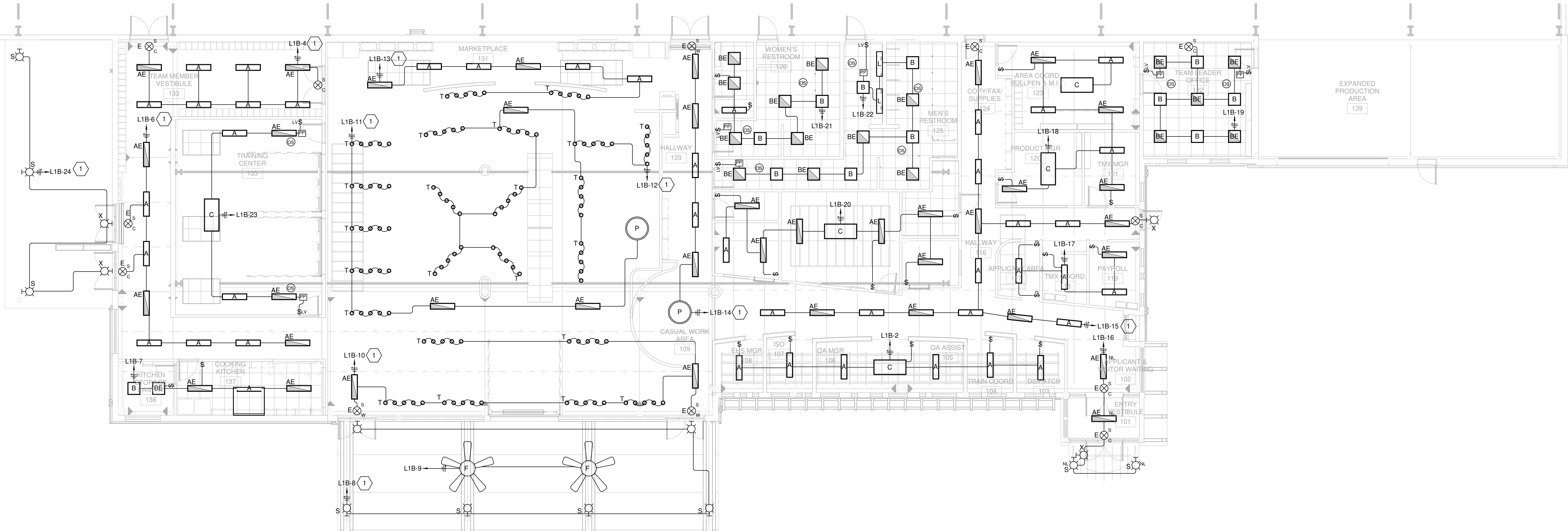
LIGHTING FIXTURE SCHEDULE									
TYPE	LAMP TYPE	LAMP NO.	WATTS	VOLTAGE	MOUNTING	HEIGHT	MANUFACTURER	MODEL	COMMENTS
A	LED			120	SUSPENDED	9' 0"	PEERLESS	VMM9-LLP-4FT-MSL4-80CRI-35K-ID1100L MF-60/40-DARK-ZT-120-SCOT-F124A-C110	
AE	LED			120	SUSPENDED	9' 0"	PEERLESS	VMM9-LLP-4FT-MSL4-80CRI-35K-ID1100L MF-60/40-DARK-ZT-120-SCOT-F124A-C110	BATTERY BACK-UP
B	LED			120	RECESSED	CEILING	LITHONIA	2BLT2-40L-ADSM-EZ1-LP835	
BE	LED			120	RECESSED	CEILING	LITHONIA	2BLT2-40L-ADSM-EZ1-LP835-EL7L	BATTERY BACK-UP
C	LED			120	SUSPENDED	9' 0"	WINONA	CANVIS-HZM-63LONG-29WIDE-18HIGH-P M-OLEDA1-4300LM-35K-MVOLT-DIMR	
E	LED	-	6W	120	SURFACE	CEILING	LITHONIA	LHQM-S-W-3-R-HORO	EXIT SIGN W/BATTERY BACK-UP
F	LED			120	SUSPENDED	9' 0"	BIG ASS FANS	FR150A-UQ-F1-Q-3H03-02-0238-258P010	FINAL FINISH TO BE SPECIFIED BY OWNER
L									
P	LED			120	SUSPENDED	9' 0"	WINONA	WFP61603-36DIA-POLDI-LDP1A-40K-MVO LT-ID-OAE-BA	
S	LED			120	WALL	8' 0"	EATON	9002-W2-RW-LED-4080-M-M-CS-L1-UNV-RSM	
T	LED			120	SUSPENDED	9' 0"	STONE	DA202-FR-SN-D6-R	NOTE 5
X	LED			120	WALL	8' 0"	LITHONIA	AFN-B-PREM	BATTERY BACK-UP
NOTES:									
1. FURNISH AND INSTALL LAMPS FOR ALL FIXTURES.									
2. VERIFY ALL CEILING TYPES BEFORE STARTING ANY WORK. SEE ARCHITECTS REFLECTED CEILING PLAN FOR CEILING TYPES.									
3. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR A COMPLETE INSTALLATION OF ALL LIGHTING FIXTURES.									
4. PROVIDE ALL NECESSARY EQUIPMENT FOR LOW VOLTAGE LIGHTING AND CONTROLS, SUCH ITEMS WOULD INCLUDE TRANSFORMERS, POWER PACKS, AND CABLEING.									
5. TO BE MOUNTED ON MSRL96-SN-96" STRAIGHT TO BE FACTORY BENT PER DRAWINGS.									

GENERAL SHEET NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.

KEYED SHEET NOTES

1. CONTROLLED VIA LIGHTING CONTROL PANEL.



FLOOR PLAN - LIGHTING

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

1

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789.04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
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- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ☐ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/04/2019  
DESIGNED BY: JCH  
DRAWN BY: JCH  
REVIEWED BY: SVW  
SHEET TITLE:

FLOOR PLAN -  
LIGHTING

SHEET NO.:

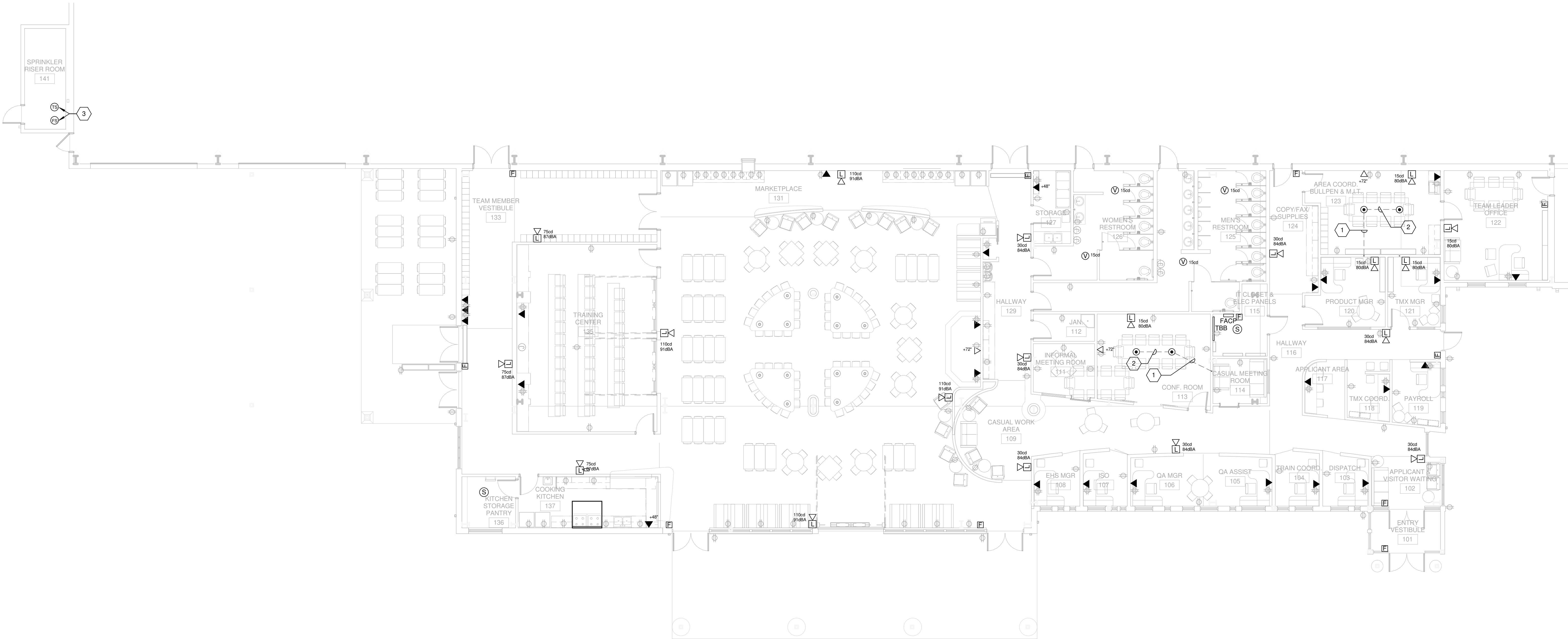
E201



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FLOOR PLAN - COMMUNICATION AND FIRE ALARM

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



GENERAL SHEET NOTES

- SEE SHEET E001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.
- SEE SHEET E102 FOR ADDITIONAL FIRE ALARM DEVICES.

KEYED SHEET NOTES

- TWO 1" CONDUITS RUN UNDERGROUND TO NEAREST WALL OR COLUMN AND STUBBED ABOVE CEILING. ONE CONDUIT FOR DATA AND ONE FOR POWER.
- TWO 1" CONDUITS WITH PULL STRING RUN UNDER TABLE SURFACE TO STUB POINT.
- TAMPER AND FLOW SWITCHES. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL LOCATION.

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789.04

NOTES

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- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/04/2018  
DESIGNED BY: JCH  
DRAWN BY: JCH  
REVIEWED BY: SVW  
SHEET TITLE:

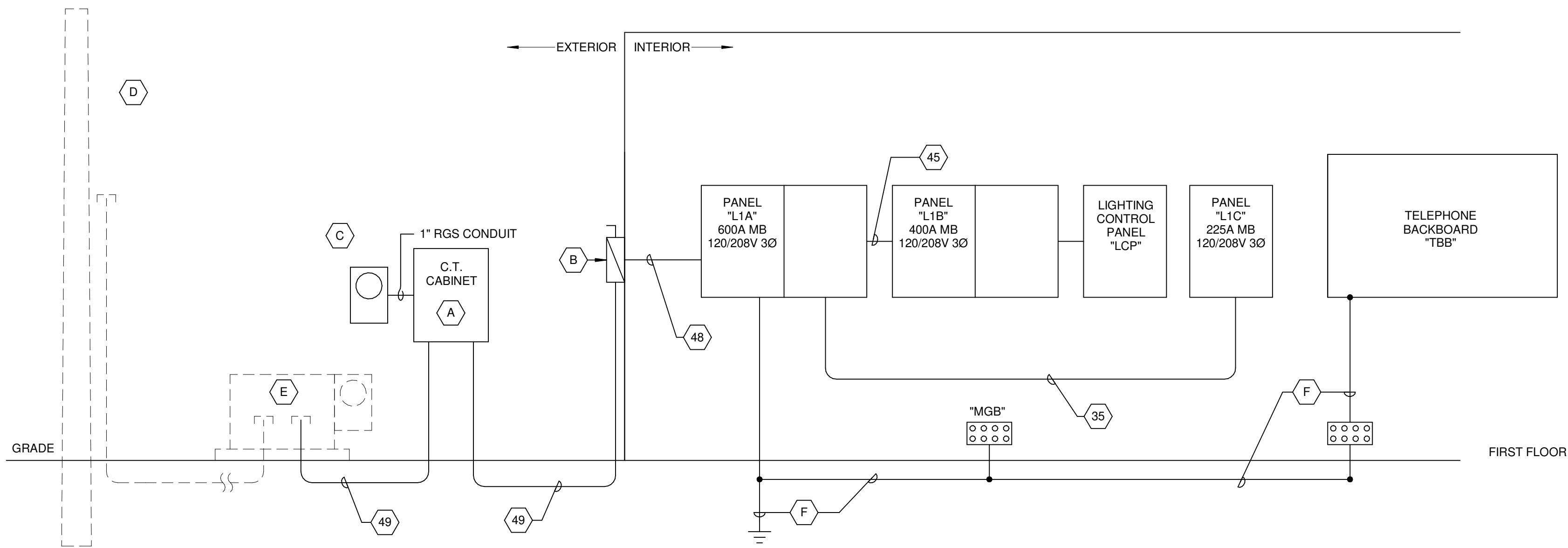
FLOOR PLAN -  
COMMUNICATIONS  
AND FIRE ALARM

SHEET NO.:

E301



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- LEGEND:**
- (A)** METER AND METER BASE PER LOCAL UTILITY BOARD REQUIREMENTS.
  - (B)** 800 A FUSED DISCONNECT
  - (C)** COORDINATE METERING REQUIREMENTS WITH LOCAL UTILITY BOARD.
  - (D)** EXISTING PRIMARY RISER POLE
  - (E)** EXISTING PAD-MOUNTED TRANSFORMER.
  - (F)** #1/0 COPPER

## RISER DIAGRAM

SCALE: 12" = 1'-0"

1

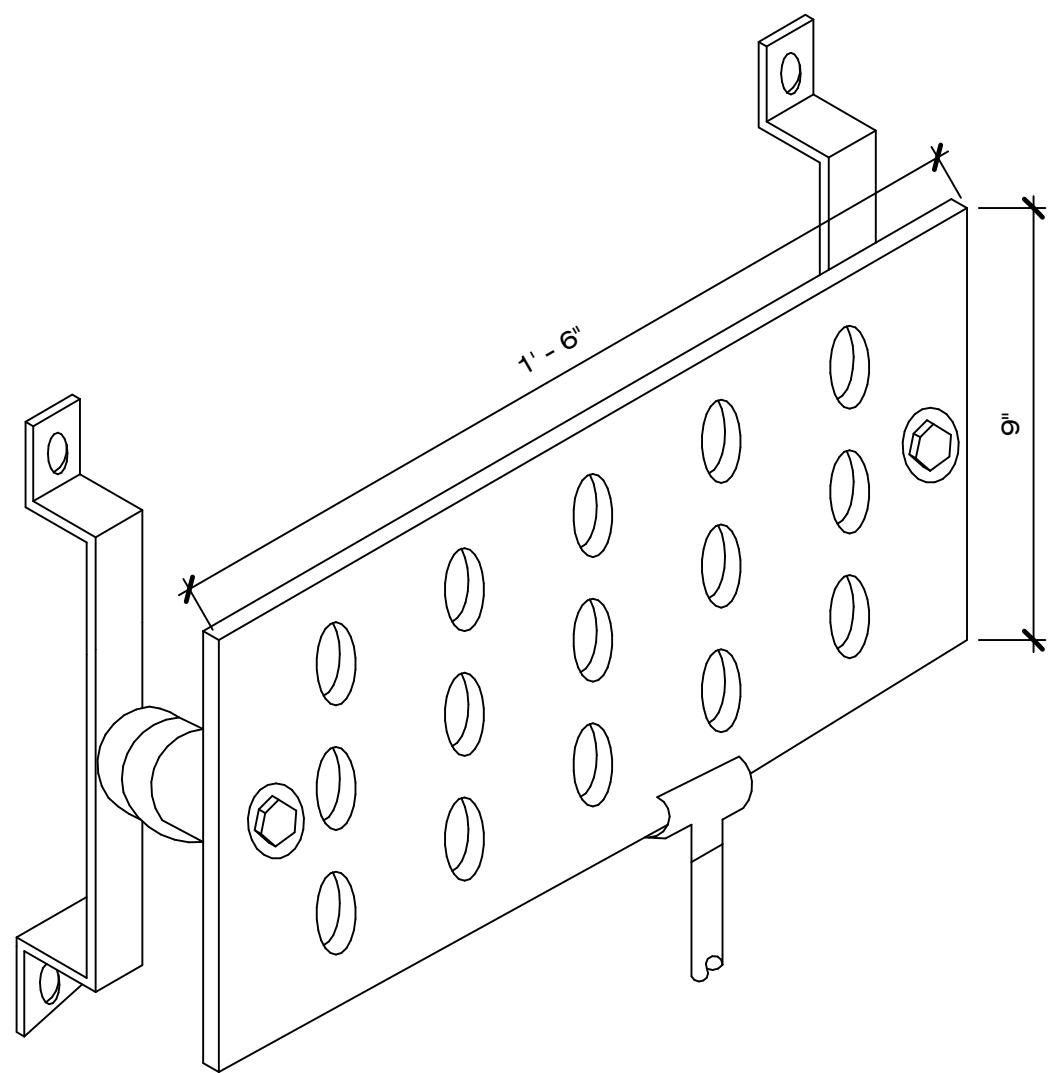
Branch Panel: L1A											
Location: IT CLOSET & ELEG PANELS...				Volts: 120/208 3P				A.I.C. Rating: 22,000			
Supply From: MOUNTING: Surface				Phases: 3				Mains Type: MAIN BREAKER			
Enclosure: Type 1				Wires: 4				Mains Rating: 600 A			
								MCB Rating: 600 A			
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	TVSS	30 A	3	0 VA	180 VA			1	20 A R- RECEPTACLE	2	
3	--	--	--	--	0 VA	900 VA		1	20 A R- RECEPTACLE	4	
5	--	--	--	--	--	0 VA	900 VA	1	20 A R- RECEPTACLE	6	
7	R- RECEPTACLE	20 A	1	180 VA	540 VA			1	20 A R- RECEPTACLE	8	
9	R- RECEPTACLE	20 A	1	--	180 VA	1000...		1	20 A R- RECEPTACLE	10	
11	R- RECEPTACLE	20 A	1	--	--	720 VA	720 VA	1	20 A R- RECEPTACLE	12	
13	R- RECEPTACLE	20 A	1	540 VA	540 VA			1	20 A R- RECEPTACLE	14	
15	R- RECEPTACLE	20 A	1	--	720 VA	720 VA		1	20 A R- RECEPTACLE	16	
17	R- RECEPTACLE	20 A	1	--	--	540 VA	900 VA	1	20 A R- RECEPTACLE	18	
19	R- RECEPTACLE	20 A	1	720 VA	540 VA			1	20 A R- RECEPTACLE	20	
21	R- RECEPTACLE	20 A	1	--	1440...	180 VA		1	20 A R- RECEPTACLE	22	
23	R- RECEPTACLE	20 A	1	--	--	360 VA	360 VA	1	20 A R- RECEPTACLE	24	
25	SPARE	20 A	1	0 VA	0 VA			1	20 A SPARE	26	
27	SPARE	20 A	1	--	0 VA	0 VA		1	20 A SPARE	28	
29	R- RECEPTACLE	20 A	1	--	--	540 VA	540 VA	1	20 A R- RECEPTACLE	30	
31	R- RECEPTACLE	20 A	1	180 VA	1200...			1	20 A E- EQUIPMENT	32	
33	R- RECEPTACLE	20 A	1	--	720 VA	1080...		1	20 A R- RECEPTACLE	34	
35	R- RECEPTACLE	20 A	1	--	180 VA	540 VA		1	20 A R- RECEPTACLE	36	
37	R- RECEPTACLE	20 A	1	1000...	540 VA			1	20 A R- RECEPTACLE	38	
39	R- RECEPTACLE	20 A	1	--	180 VA	360 VA		1	20 A R- RECEPTACLE	40	
41	R- RECEPTACLE	20 A	1	--	--	360 VA	1500...	1	20 A R- RECEPTACLE	42	
43	R- RECEPTACLE	20 A	1	1500...	1500...			1	20 A R- RECEPTACLE	44	
45	R- RECEPTACLE	20 A	1	--	1500...	720 VA		1	20 A R- RECEPTACLE	46	
47	R- RECEPTACLE	20 A	1	--	--	180 VA	180 VA	1	20 A R- RECEPTACLE	48	
49	R- RECEPTACLE	20 A	1	180 VA	180 VA			1	20 A R- RECEPTACLE	50	
51	R- RECEPTACLE	20 A	1	--	180 VA	180 VA		1	20 A R- RECEPTACLE	52	
53	R- RECEPTACLE	20 A	1	--	--	180 VA	180 VA	1	20 A R- RECEPTACLE	54	
55	R- RECEPTACLE	20 A	1	180 VA	180 VA			1	20 A R- RECEPTACLE	56	
57	R- RECEPTACLE	20 A	1	--	180 VA	180 VA		1	20 A R- RECEPTACLE	58	
59	R- RECEPTACLE	20 A	1	--	--	180 VA	180 VA	1	20 A R- RECEPTACLE	60	
61	R- RECEPTACLE	20 A	1	180 VA	180 VA			1	20 A R- RECEPTACLE	62	
63	R- RECEPTACLE	20 A	1	--	180 VA	180 VA		1	20 A R- RECEPTACLE	64	
65	R- RECEPTACLE	20 A	1	--	--	180 VA	180 VA	1	20 A R- RECEPTACLE	66	
67	R- RECEPTACLE	20 A	1	720 VA	180 VA			1	20 A R- RECEPTACLE	68	
69	R- RECEPTACLE	20 A	1	--	180 VA	720 VA		1	20 A R- RECEPTACLE	70	
71	R- RECEPTACLE	20 A	1	--	--	540 VA	360 VA	1	20 A R- RECEPTACLE	72	
73	R- RECEPTACLE	20 A	1	360 VA	540 VA			1	20 A R- RECEPTACLE	74	
75	SPARE	20 A	1	--	0 VA	0 VA		1	20 A SPARE	76	
77	PANEL L1C	225 A	3	--	7992...	3905...	7992...	0 VA	1	20 A SPARE	78
79	--	--	--	7993...	3905...	--	--	3	400 A PANEL L1B	80	
81	--	--	--	7995...	4130...	--	--	--	--	82	
83	FIRE ALARM CONTROL PANEL (NOTE 1)	20 A	1	--	--	0 VA	3966...	--	--	84	
Total Load:				59086 VA	60975 VA	58161 VA					
Total Amps:				494 A	509 A	485 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
H- HVAC		125564 VA		100.00%		125564 VA					
L- LIGHTING		9660 VA		125.00%		12075 VA		Total Conn. Load: 178210 VA			
R- RECEPTACLE		36980 VA		63.52%		23490 VA		Total Est. Demand: 165636 VA			
E- EQUIPMENT		6000 VA		75.00%		4500 VA		Total Conn. Current: 495 A			
SPEC		1500 VA		100.00%		1500 VA		Total Est. Demand Current: 460 A			
NOTE 1: BREAKER TO BE COLORED RED. PROVIDE LOCK ON TAB.											

Branch Panel: L1B										
Location: IT CLOSET & ELEC PANELS...					Volts: 120/208 3P			A.I.C. Rating: 22,000		
Supply From: L1A					Phases: 3			Mains Type: MAIN BREAKER		
Mounting: Surface					Wires: 4			Mains Rating: 400 A		
Enclosure: Type 1								MCB Rating: 400 A		
OKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TVSS	30 A	3	0 VA 420 VA			1	20 A	L - LIGHTING	2
3	--	--	--	--	0 VA 500 VA			1	20 A L - LIGHTING	4
5	--	--	--	--		0 VA 500 VA		1	20 A L - LIGHTING	6
7	L - LIGHTING	20 A	1	300 VA 120 VA			1	20 A	L - LIGHTING	8
9	SPEC	20 A	1		1500... 620 VA		1	20 A	L - LIGHTING	10
11	L - LIGHTING	20 A	1			770 VA 860 VA	1	20 A	L - LIGHTING	12
13	L - LIGHTING	20 A	1	520 VA 560 VA			1	20 A	L - LIGHTING	14
15	L - LIGHTING	20 A	1		940 VA 200 VA		1	20 A	L - LIGHTING	16
17	L - LIGHTING	20 A	1			240 VA 540 VA	1	20 A	L - LIGHTING	18
19	L - LIGHTING	20 A	1	550 VA 480 VA			1	20 A	L - LIGHTING	20
21	L - LIGHTING	20 A	1		540 VA 600 VA		1	20 A	L - LIGHTING	22
23	L - LIGHTING	20 A	1			300 VA 100 VA	1	20 A	L - LIGHTING	24
25	R - RECEPTACLE	20 A	1	540 VA 360 VA			1	20 A	R - RECEPTACLE	26
27	E - HAND DRYER	20 A	1		1200... 1200...		1	20 A	E - HAND DRYER	28
29	R - RECEPTACLE	20 A	1			180 VA 720 VA	1	20 A	R - RECEPTACLE	30
31	R - RECEPTACLE	20 A	1	720 VA 720 VA			1	20 A	R - RECEPTACLE	32
33	R - RECEPTACLE	20 A	1		540 VA 500 VA		3	15 A	H - VAV-11	34
35	H - VAV-12A	30 A	3			3333... 500 VA	--	--	--	36
37	--	--	--	3334... 500 VA			--	--	--	38
39	--	--	--	--		3333... 1200...		1	20 A E - EQUIPMENT	40
41	H - VAV-12B	30 A	3			3334... 0 VA	1	20 A	LIGHTING CONTROL PANEL	42
43	--	--	--	3333... 666 VA			3	15 A	H - VAV-15	44
45	--	--	--	--	3333... 667 VA		--	--	--	46
47	H - VAV-13	20 A	3			1333... 667 VA	--	--	--	48
49	--	--	--	1334... 2333...			3	25 A	H - VAV-14	50
51	--	--	--	--	1333... 2333...		--	--	--	52
53	H - MAU-1	20 A	1			1224... 2334...	--	--	--	54
55	SHUNT TRIP (NOTE 1)	20 A	1	0 VA 1200...			1	20 A	E - EQUIPMENT	56
57	H - EUH-1	20 A	2		1000... 180 VA		1	20 A	R - RECEPTACLE	58
59	--	--	--	--		1000... 672 VA	1	20 A	H - KEF-1	60
61	SPARE	20 A	3	0 VA 0 VA			--	--	SHUNT TRIP (NOTE 1)	62
63	--	--	--	--	0 VA 0 VA		1	20 A	SPARE	64
65	--	--	--	--		0 VA 0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA 0 VA			1	20 A	SPARE	68
69	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	70
71	SPARE	20 A	1			0 VA 0 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	0 VA 0 VA			1	20 A	SPARE	74
75	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	76
77	SPARE	20 A	1			0 VA 0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA 2106...			3	200 A	H - RTU-1	80
81	SPARE	20 A	1		0 VA 2106...		--	--	--	82
83	SPARE	20 A	1			0 VA 2106...	--	--	--	84
Total Load:				39053 VA	41309 VA	39669 VA				
Total Amps:				325 A	345 A	331 A				
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals		
H - HVAC		101584 VA		100.00%		101584 VA				
L - LIGHTING		9660 VA		125.00%		12075 VA		Total Conn. Load: 120013 VA		
R - RECEPTACLE		3960 VA		100.00%		3960 VA		Total Est. Demand: 121228 VA		
E - EQUIPMENT		4800 VA		75.00%		3600 VA		Total Conn. Current: 333 A		
SPEC		1500 VA		100.00%		1500 VA		Total Est. Demand Current: 336 A		

Branch Panel: L1C										
Location: IT CLOSET & ELEC PANELS...					Volts: 120/208 3P			A.I.C. Rating: 22,000		
Supply From: L1A					Phases: 3			Mains Type: MAIN BREAKER		
Mounting: Surface					Wires: 4			Mains Rating: 225 A		
Enclosure: Type 1								MCB Rating: 225 A		
OKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TVSS	30 A	3	0 VA 500 VA			3	15 A	H - VAV-7	2
3	...	...	...	...	0 VA 500 VA		...	...	...	4
5	...	...	...	...		0 VA 500 VA	...	...	...	6
7	H - VAV-5	15 A	3	500 VA 500 VA			3	15 A	H - VAV-6	8
9	...	...	...	...	500 VA 500 VA		...	...	...	10
11	...	...	...	...		500 VA 500 VA	...	...	...	12
13	H - VAV-16	15 A	3	660 VA 500 VA			3	15 A	H - VAV-4	14
15	...	...	...	...	660 VA 500 VA		...	...	...	16
17	...	...	...	...		660 VA 500 VA	...	...	...	18
19	H - VAV-1	15 A	3	1333... 500 VA			3	20 A	H - VAV-3	20
21	...	...	...	...	1333... 500 VA		...	...	...	22
23	...	...	...	...		1334... 500 VA	...	...	...	24
25	H - VAV-8	15 A	3	500 VA 2166...			3	20 A	H - VAV-2	26
27	...	...	...	...	500 VA 2167...		...	...	...	28
29	...	...	...	...		500 VA 2167...	...	...	...	30
31	H - VAV-9	15 A	3	500 VA 333 VA			3	15 A	H - VAV-10	32
33	...	...	...	...	500 VA 333 VA		...	...	...	34
35	...	...	...	...		500 VA 334 VA	...	...	...	36
37	SPARE	20 A	1	0 VA 0 VA			1	20 A	SPARE	38
39	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	40
41	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	42
				Total Load:	7992 VA		7995 VA			
				Total Amps:	67 A		67 A			
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals		
H - HVAC		23980 VA		100.00%		23980 VA				
								Total Conn. Load: 23980 VA		
								Total Est. Demand: 23980 VA		
								Total Conn. Current: 67 A		
								Total Est. Demand Current: 67 A		

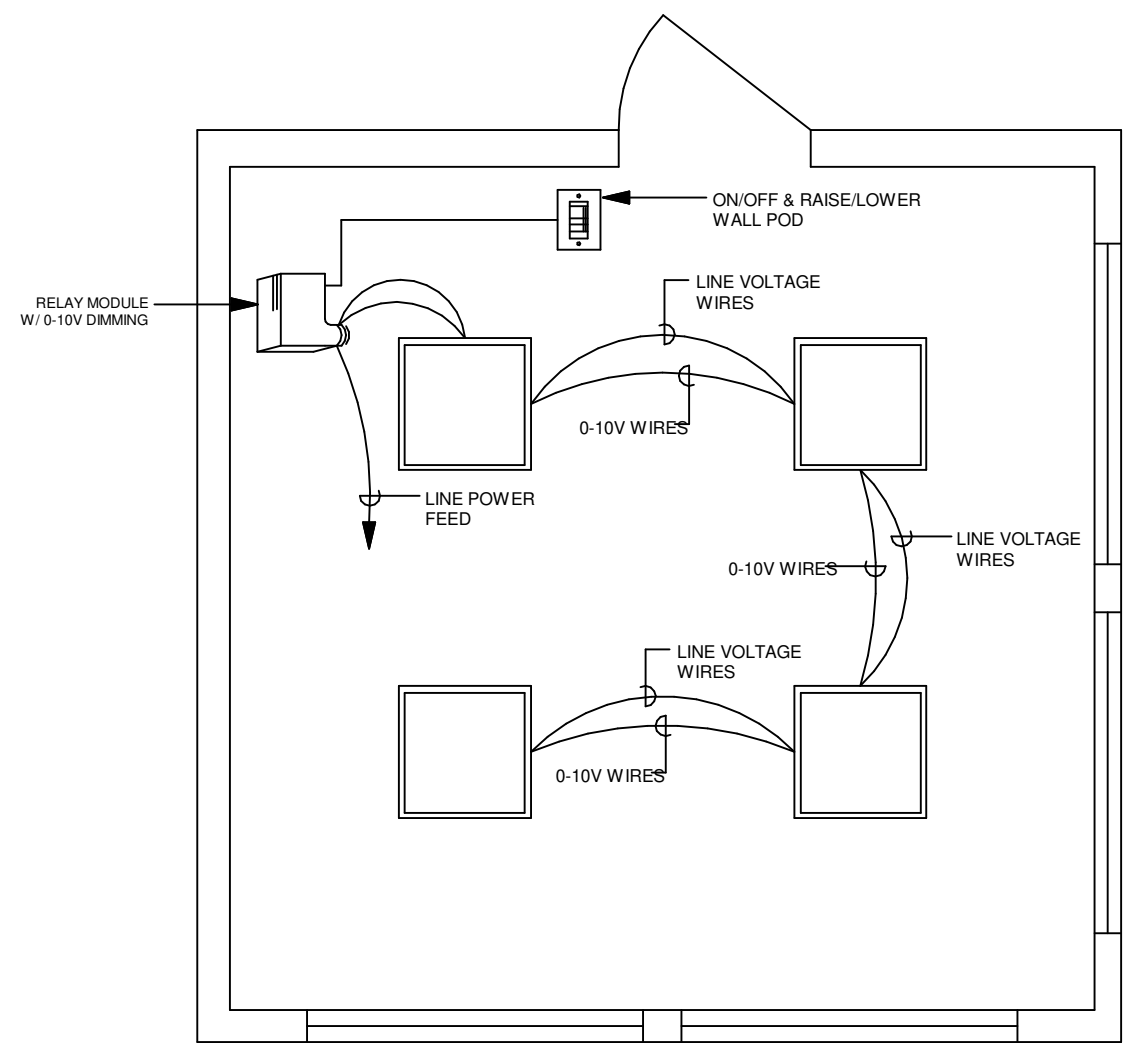


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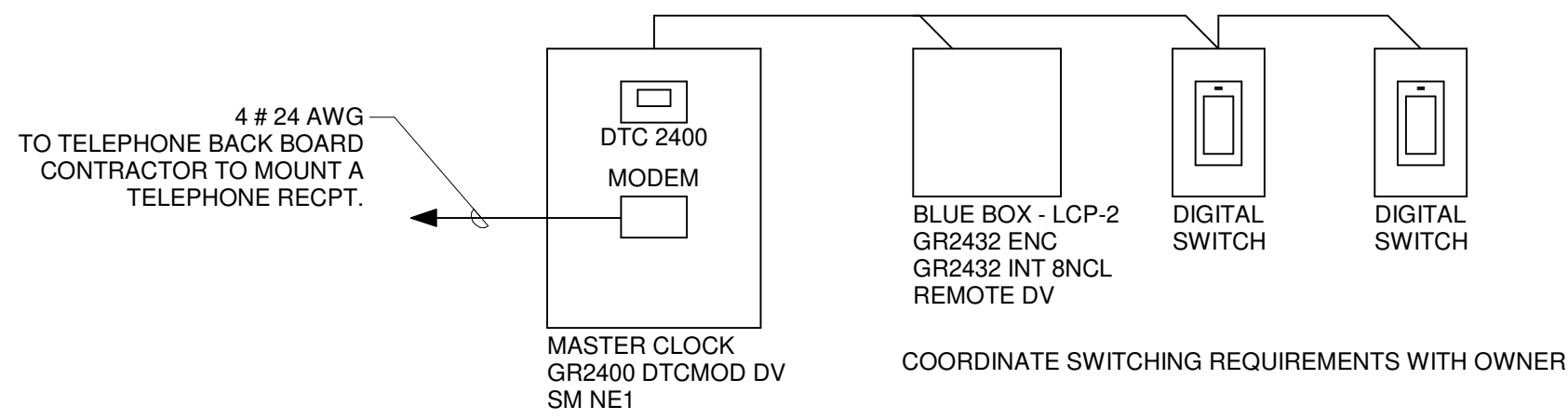
GROUNDING - BUS BAR - "MGB"  
SCALE: 3" = 1'-0"

1



OCCUPANCY SENSOR 0-10V DIMMING DETAIL  
SCALE: 12" = 1'-0"

2



LIGHTING CONTROL RISER  
SCALE: 12" = 1'-0"

3

MBI

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PROJECT INFORMATION

PROJECT:

CLAYTON ADDISON  
MANUFACTURING  
FACILITY

PROJECT ADDRESS:

18025 COUNTY ROAD 41  
ADDISON, AL 35640

PROJECT NO.: 180789-04

NOTES

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY  
☐ FOR PERMITTING ONLY  
☐ SCHEMATIC DESIGN  
☐ DESIGN DEVELOPMENT  
☐ CONSTRUCTION BIDDING  
☒ CONSTRUCTION DOCUMENTS  
☐ AS-BUILT RECORD SET

REVISION INFORMATION

NO. DATE DESCRIPTION

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 09/04/2018  
DESIGNED BY: JCH  
DRAWN BY: JCH  
REVIEWED BY: SVW  
SHEET TITLE:

ELECTRICAL DETAILS  
SHEET NO.:

E501