

NEW BUILDING FOR:



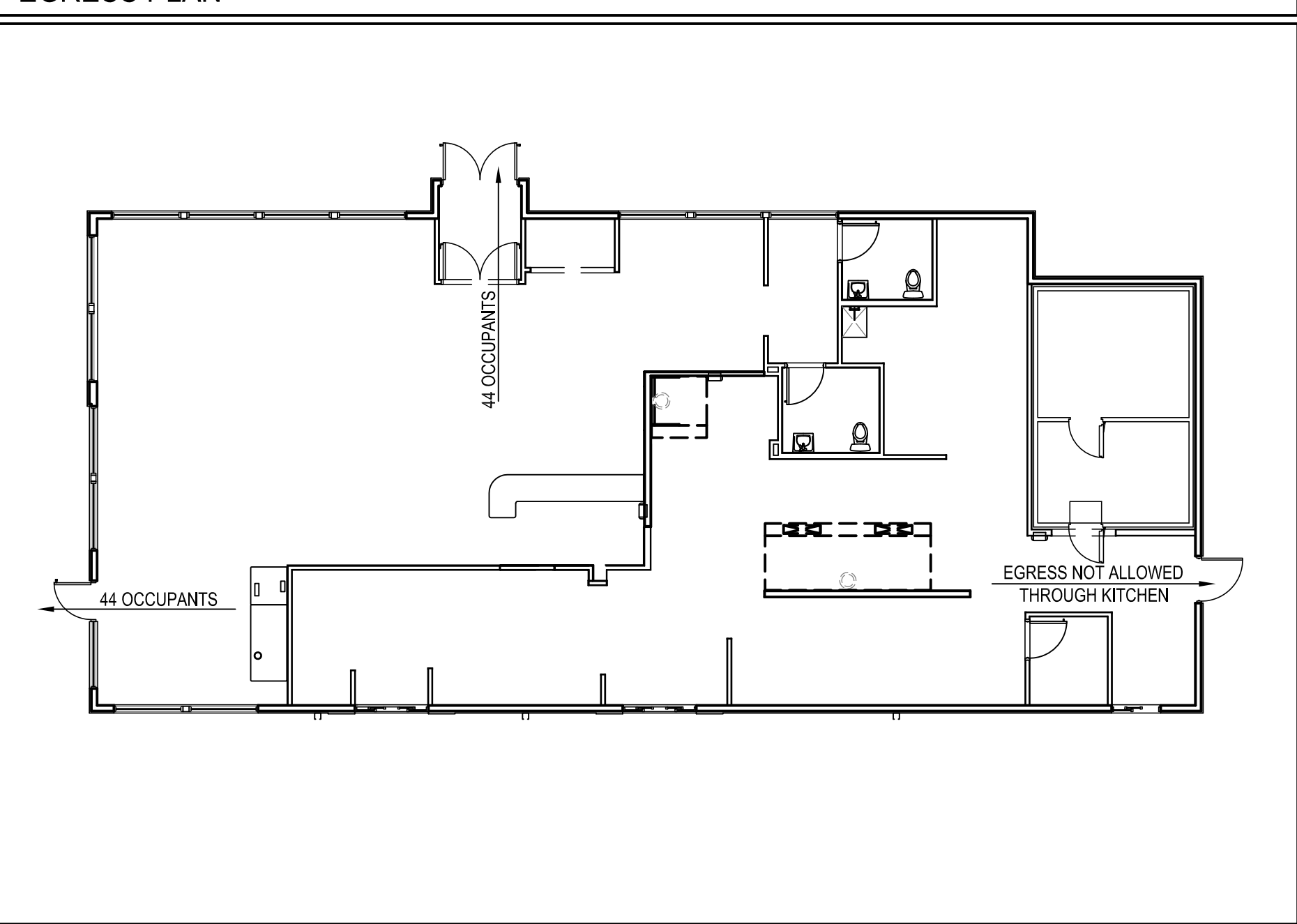
GRILL & CHILL

BY PASS ROAD BRANDENBURG, KY 40108

CODE REVIEW

Table with columns for Building Code Data, Means of Egress, Height & Area, Fire Resistance Ratings, Suppression Syst., Fire Separation, Accessibility, Interior Wall and Ceiling Finish Requirements, and Plumbing.

EGRESS PLAN



PROJECT DIRECTORY

Table listing project details for Architect, Engineer (Structural), Engineer (Electrical/Plumbing), Engineer (Civil), and Engineer (Mechanical).

OWNERSHIP

ALL PLANS SHALL REMAIN THE PROPERTY OF ADD. PLANS ARE ISSUED FOR USE AT THE ABOVE ADDRESS ONLY.

AMERICANS WITH DISABILITIES ACT

AMERICAN DAIRY QUEEN, WANTS TO REMIND YOU THAT AS AN OWNER OR OPERATOR OF A RESTAURANT, YOU HAVE CERTAIN OBLIGATIONS UNDER THE AMERICANS WITH DISABILITIES ACT.

U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD 1331 F STREET, N.W., SUITE 1000 WASHINGTON, D.C. 20004-1111

BECAUSE AMERICAN DAIRY QUEEN, INC. CANNOT HAVE AVAILABLE TO IT ALL OF THE SPECIFIC DETAILS RELATING TO YOUR RESTAURANT OPERATION, IT CANNOT ENSURE THAT YOUR RESTAURANT COMPLIES...

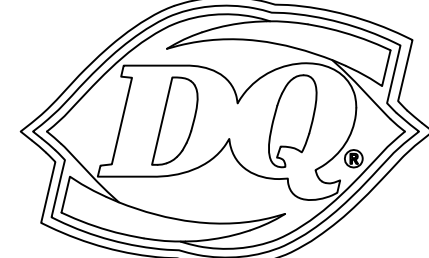
APPLICABLE CODES

2016 KENTUCKY BUILDING CODE (2015 INTERNATIONAL BUILDING CODE W/ KENTUCKY AMENDMENTS)

SHEET INDEX

Table listing sheet numbers and titles, including Architectural, Equipment, Structural, and Electrical sheets.

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GRILL & CHILL

BY PASS ROAD BRANDENBURG, KY 40108

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09/03/21

KENTUCKY ARCHITECT LICENSE NUMBER 7240

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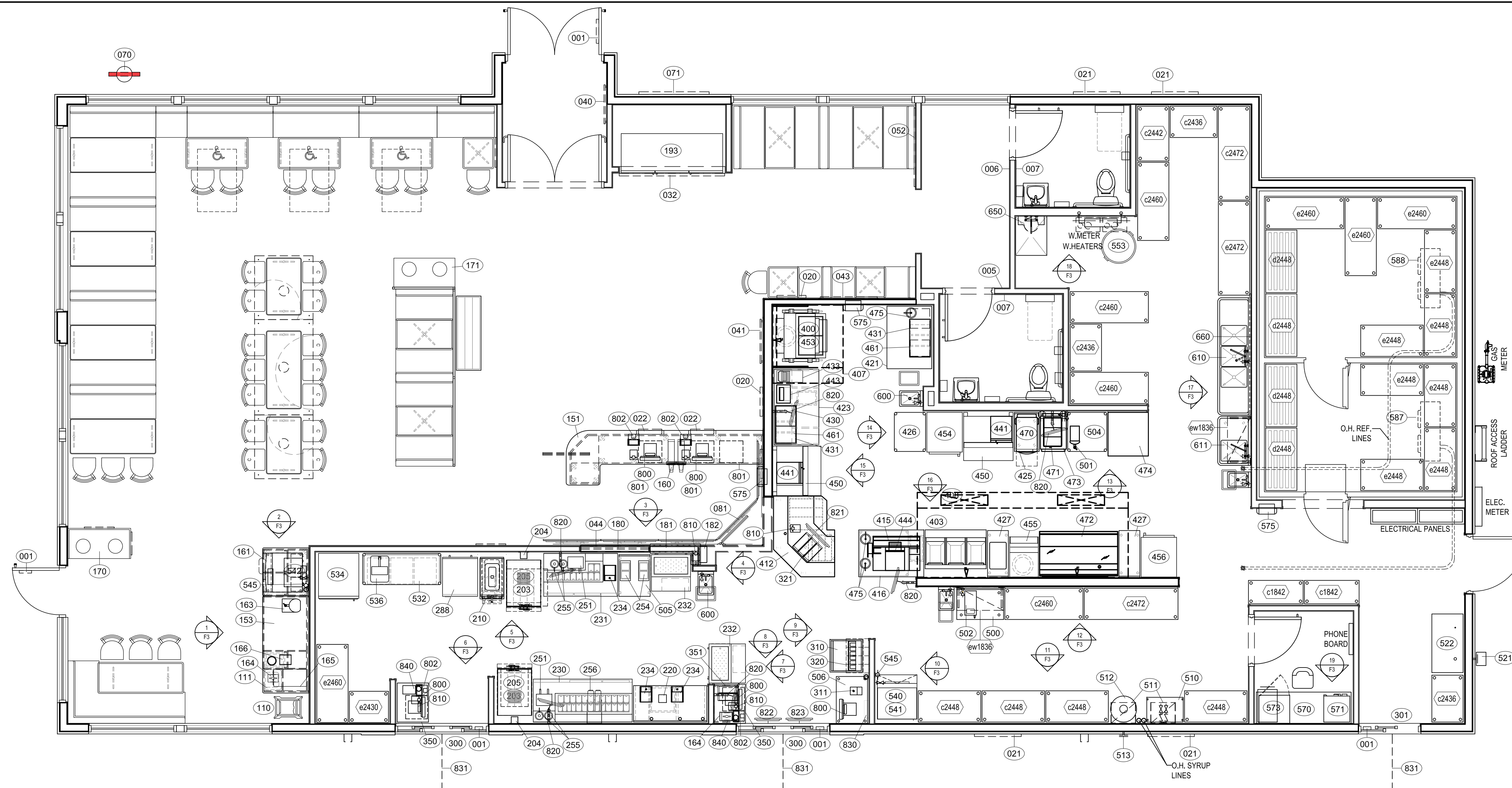
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TITLE SHEET

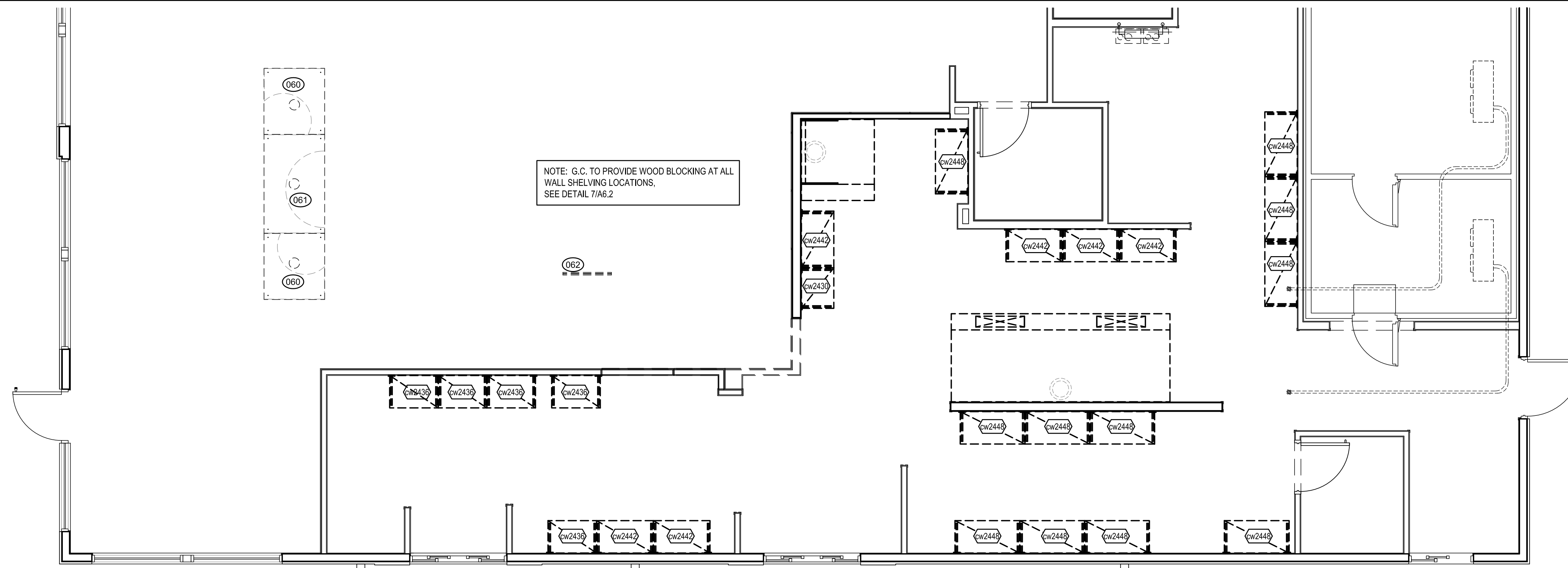
SHEET NUMBER:

T1

ADQ PRIMARY VENDORS LIST table with columns for Product, Company Name, Contact Name, Phone, Email, and Website.



1 EQUIPMENT PLAN
 F1 SCALE: 1/4" = 1'-0"



2 WALL MOUNTED SHELVING PLAN
 F1 SCALE: 1/4" = 1'-0"



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FOURTEEN FOODS EQUIPMENT LAYOUT

Approved Approved as Noted

Matt Frauenshuh
 Doug Hellerud
 Paul Schmidt



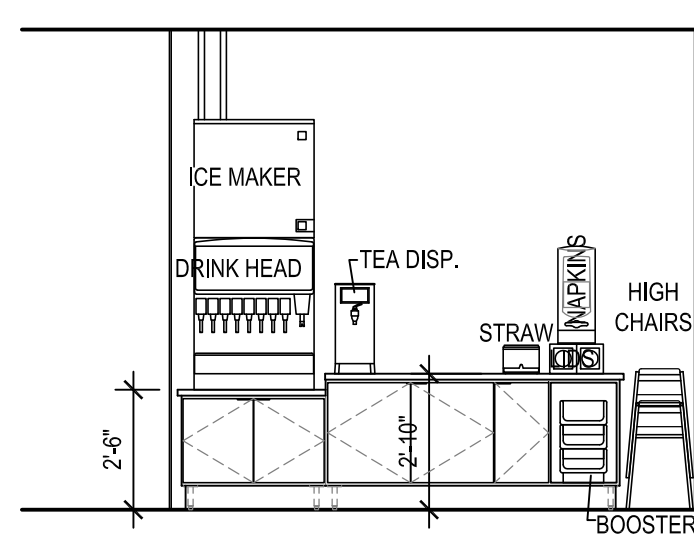
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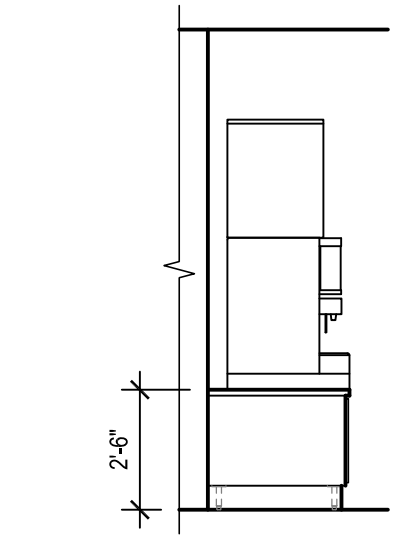
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EQUIPMENT PLANS

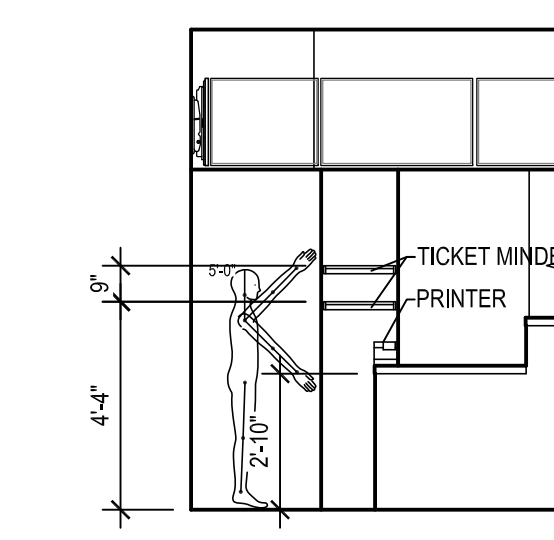
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F1



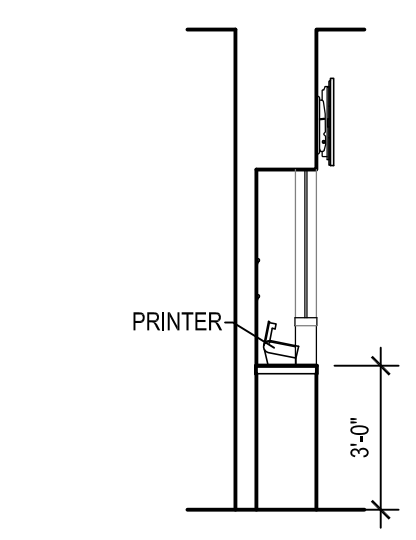
1 EQUIP. ELEVATION
F3 SCALE: 1/4" = 1'-0"



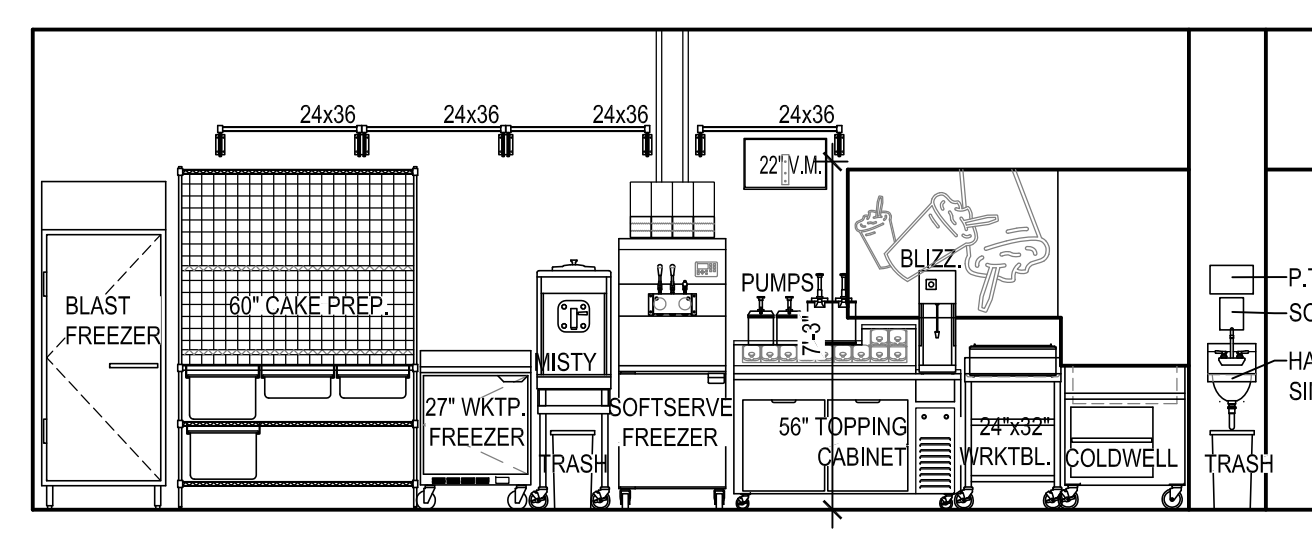
2 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



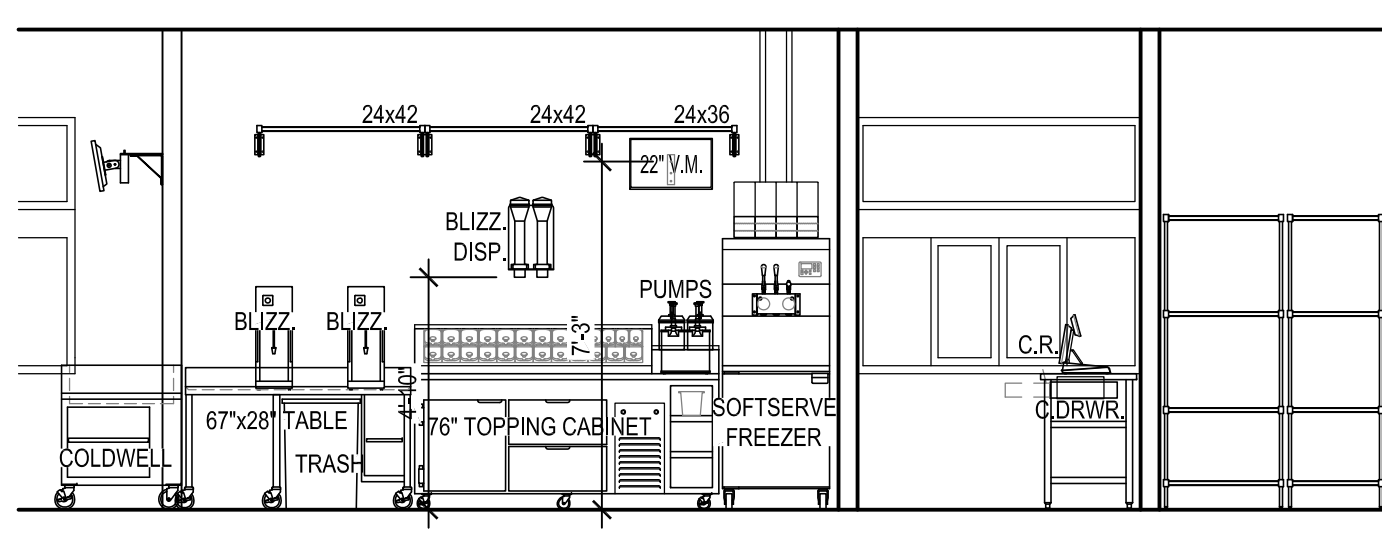
3 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



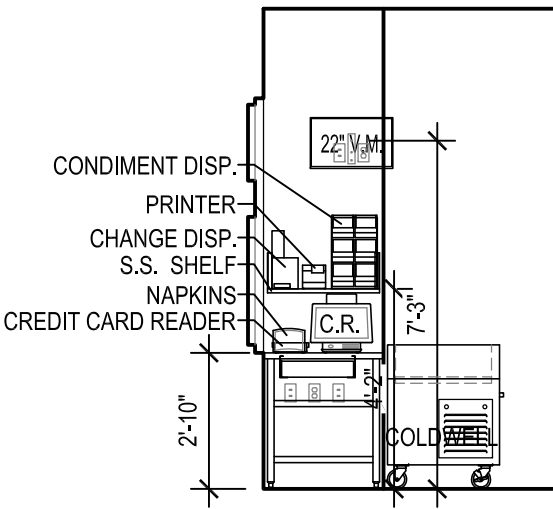
4 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



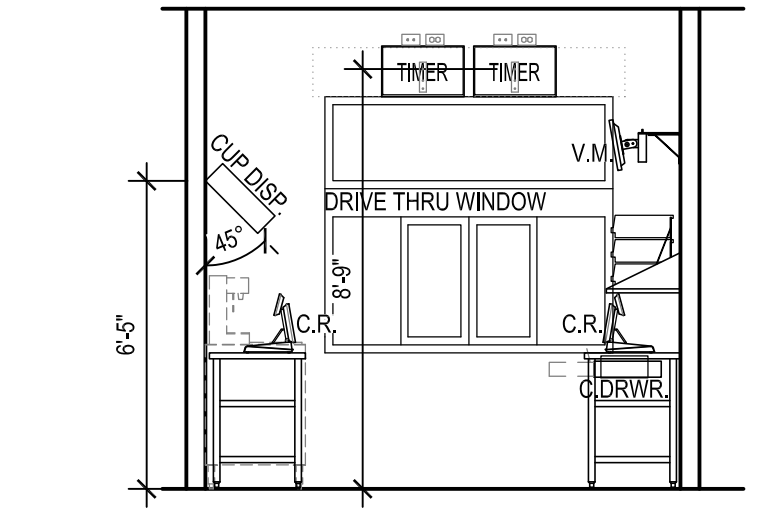
5 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



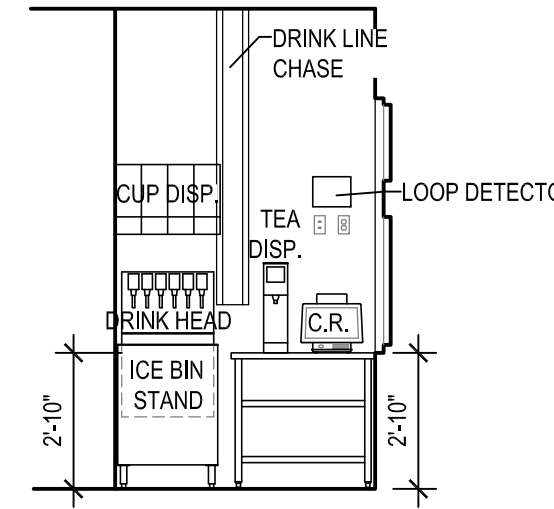
6 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



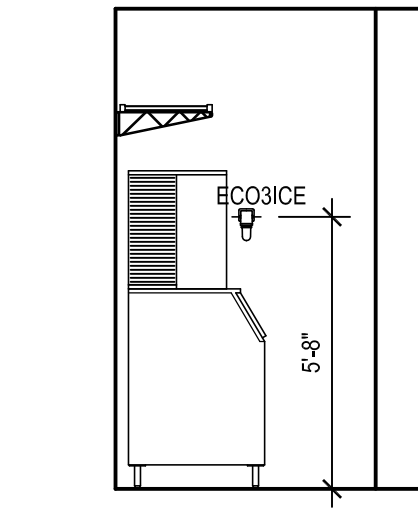
7 EQUIP. ELEVATION
F3 SCALE: 1/4" = 1'-0"



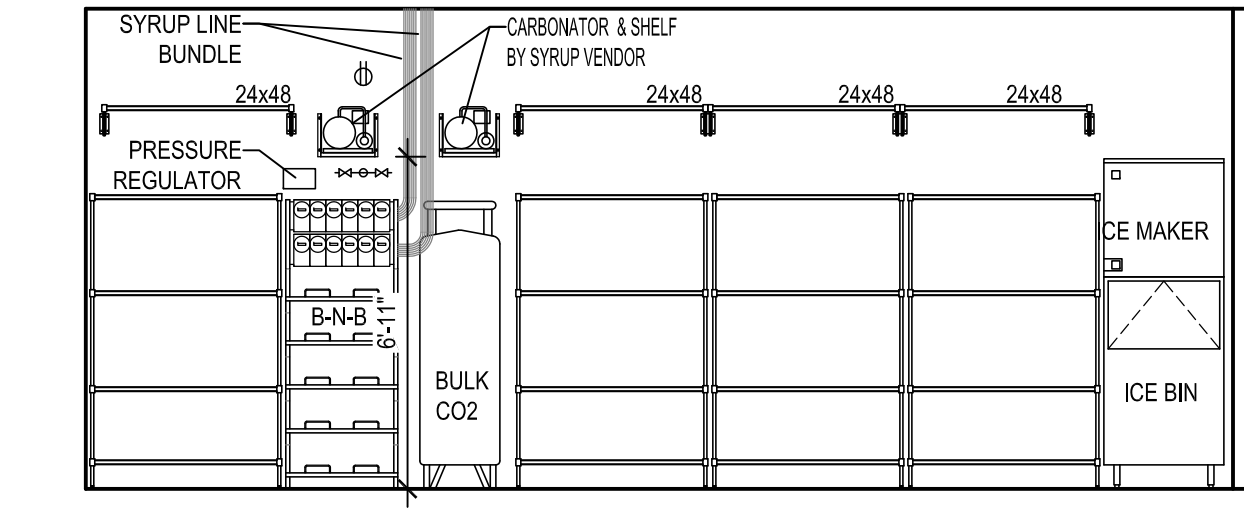
8 EQUIP. ELEVATION
F3 SCALE: 1/4" = 1'-0"



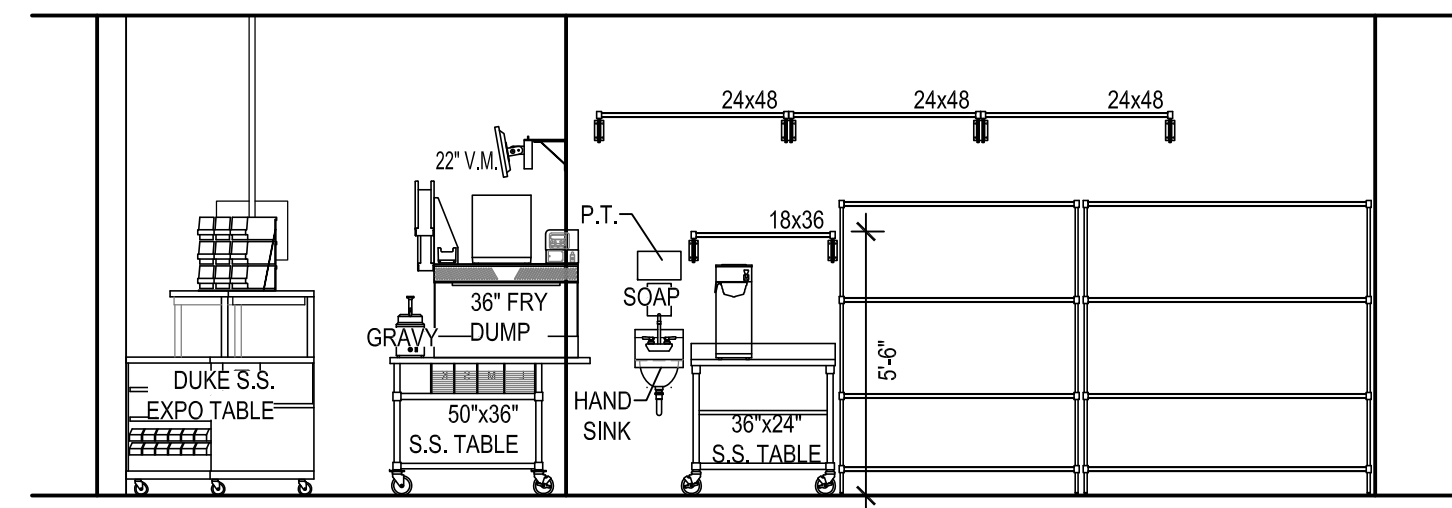
9 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



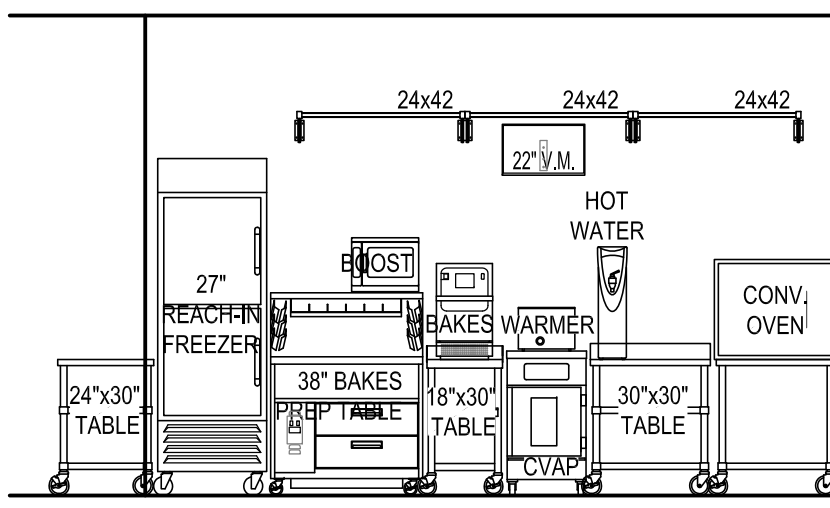
10 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



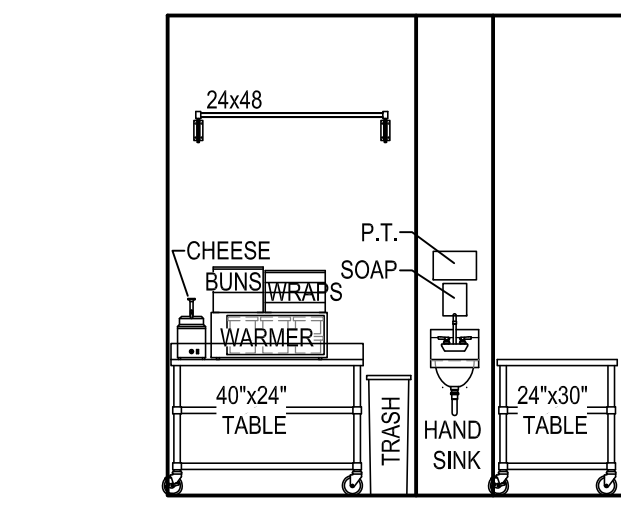
11 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



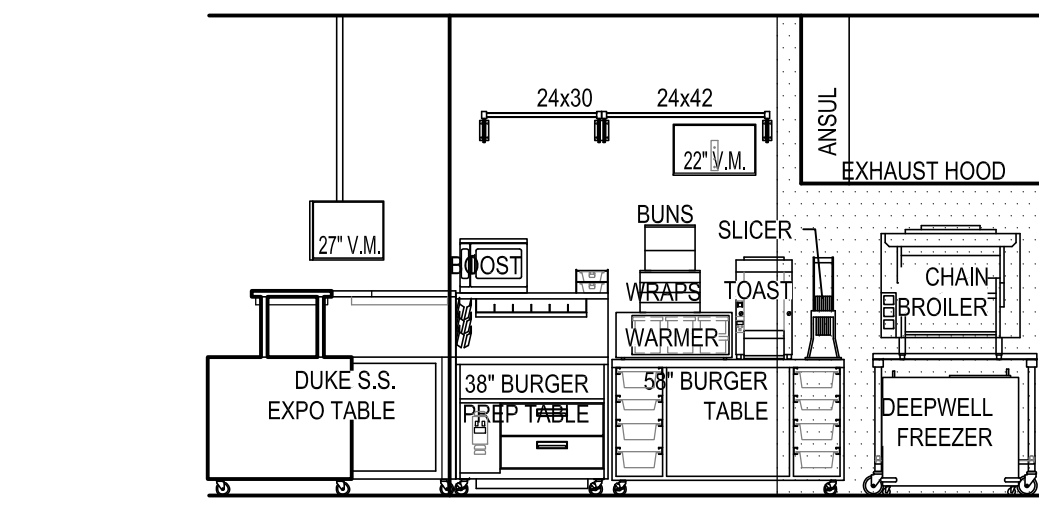
12 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



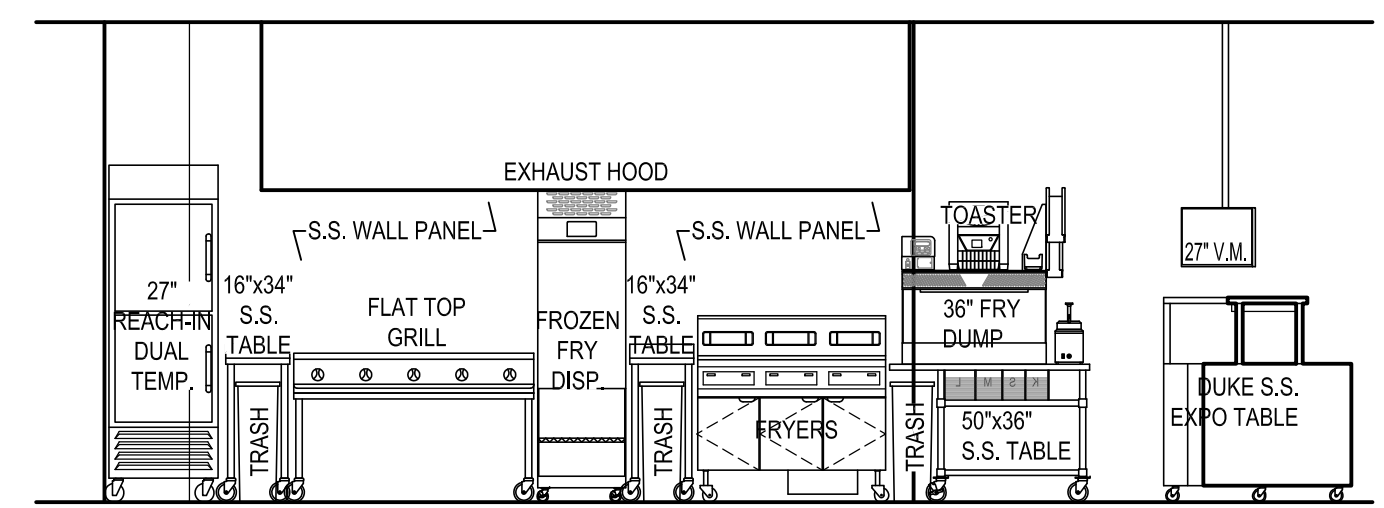
13 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



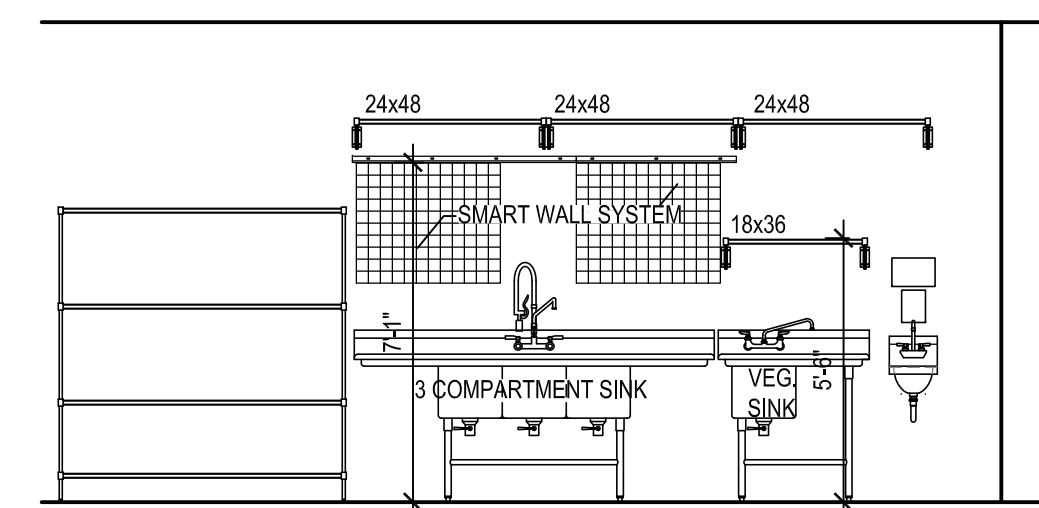
14 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



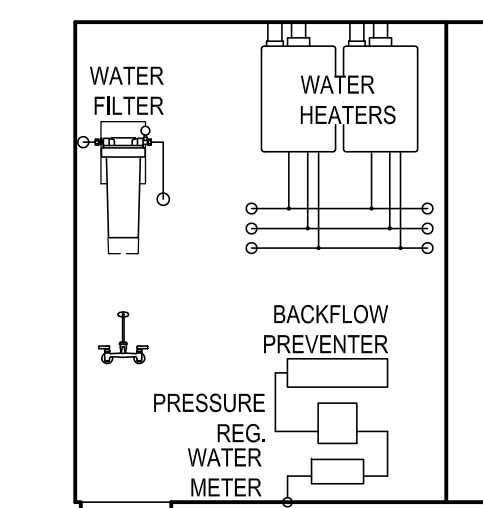
15 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



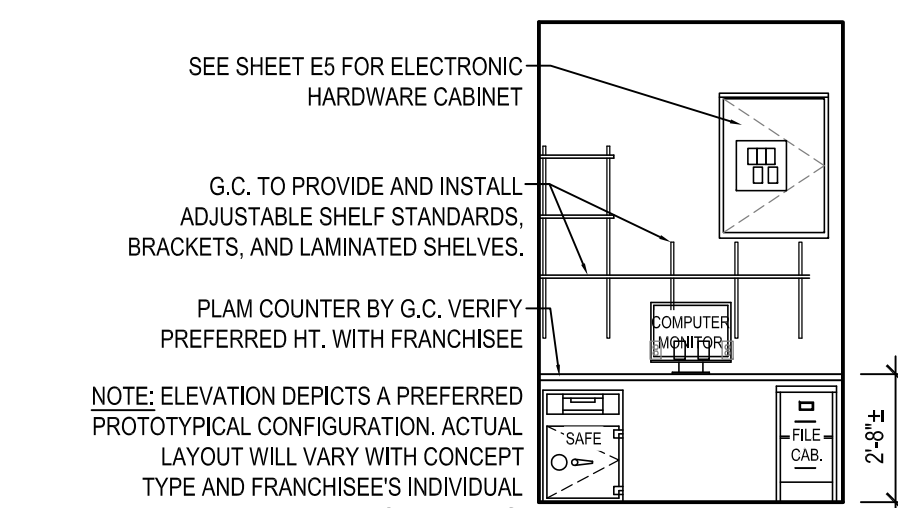
16 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



17 EQUIPMENT ELEVATION
F3 SCALE: 1/4" = 1'-0"



18 EQUIP. ELEV.
F3 SCALE: 1/4" = 1'-0"



19 OFFICE ELEVATION
F3 SCALE: 1/4" = 1'-0"

UMBRELLAS	
BEST	
MANUFACTURER:	BARABOD
SERIES:	CONTEMPORARY CURVE
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
FRAME/POLE COLOR:	BLACK
NOTES:	MUST BE ANCHORED TO TABLE PER MFG. RQMTS.
BETTER	
MANUFACTURER:	TUCCI
SERIES:	UD07.OHEX5403NO
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
NOTES:	INCLUDE BASE/ANCHOR
GOOD	
MANUFACTURER:	PLYMOLD
SERIES:	MC9720-015847 (7" DIA.)
FABRIC COLOR:	SUNBRELLA, JOCKEY RED
NOTES:	INCLUDE BASE/ANCHOR

FURNITURE SCHEDULE	
DINING TABLES	
SIZES:	24"x24", 24"x30", 24"x44", 24"x48", 24"x60", 24"x66", 24"x72
TOP INLAY:	NEVAMAR, FRAPPE LN6001T
EDGE:	DURAEDEGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
COUNTER HEIGHT TABLES	
SIZES:	27"x24", 27"x44", 27"x60", 27"x66"
TOP INLAY:	WILSONART, CUSTOM CURL PATTERN
EDGE:	DURAEDEGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
BAR HEIGHT TABLES	
SIZES:	24"x0, 30"x0, 36"x0, 54"x0
TOP INLAY:	FORMICA, CUSTOM DQ SPOON PATTERN
EDGE:	DURAEDEGE, SMOKE
PEDESTAL & BASE:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SELF-LEVELING GUIDES AVAILABLE
BOOTH BENCH (SINGLE & DOUBLE)	
MANUFACTURER:	PLYMOLD
SIZES:	24", 44", 48", 60"
BACKREST FABRIC:	NONPAREIL SPECIAL RED M-1
VISTA SEAT FABRIC:	CF STINSON, RALLY DOVE, RAL44
HORIZON HARD SEAT/FORMICA:	WAXED MAPLE
METAL FINISH:	TIGER DRYLAC, P6 GLIMMER 049-70210
DINING CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST-WATERFALL SEAT EDGE
WOOD FINISH:	BEECH
METAL FINISH:	TIGER DRYLAC, P6 GLIMMER 049-70210
COUNTER HEIGHT CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST-WATERFALL SEAT EDGE
WOOD FINISH:	BEECH
METAL FINISH:	RAL3003 049/31100
HIGH TOP CHAIR	
MANUFACTURER:	PLYMOLD
SERIES:	QUEST-WATERFALL SEAT EDGE
WOOD FINISH:	BEECH
METAL FINISH:	RAL3003 049/31100

PATIO FURNITURE SCHEDULE	
DINING TABLES	
SIZES:	PLYMOLD: 26"x30", 26"x44", 38"x38", 38"x57" WAUSAU: 31"x31", 36"x36", 44"x44" ADA, 39"x57"
WOOD:	RECYCLED PLASTIC, SAND
FRAME:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	SURFACE MOUNT BASE OR GROUT-IN POST
CHAIRS	
WOOD:	RECYCLED PLASTIC, SAND
FRAME:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	OPTIONAL ANCHOR KIT
BENCH	
WOOD:	RECYCLED PLASTIC, SAND
FRAME:	TIGER DRYLAC, P6 GLIMMER 049-70210
NOTES:	OPTIONAL ANCHOR KIT
LOUNGE CHAIR (ADIRONDACK)	
MFG.	POLYWOOD, VINEYARD COLLECTION
COLOR:	SUNSET RED
NOTES:	FRANCHISEE TO COORDINATE ORDER ONLINE
LOUNGE CHAIR	
MFG.	STOCKWELL
COLOR:	LIGHT GREY
CUSHION:	JOCKEY RED
NOTES:	FRANCHISEE TO COORDINATE ORDER ONLINE



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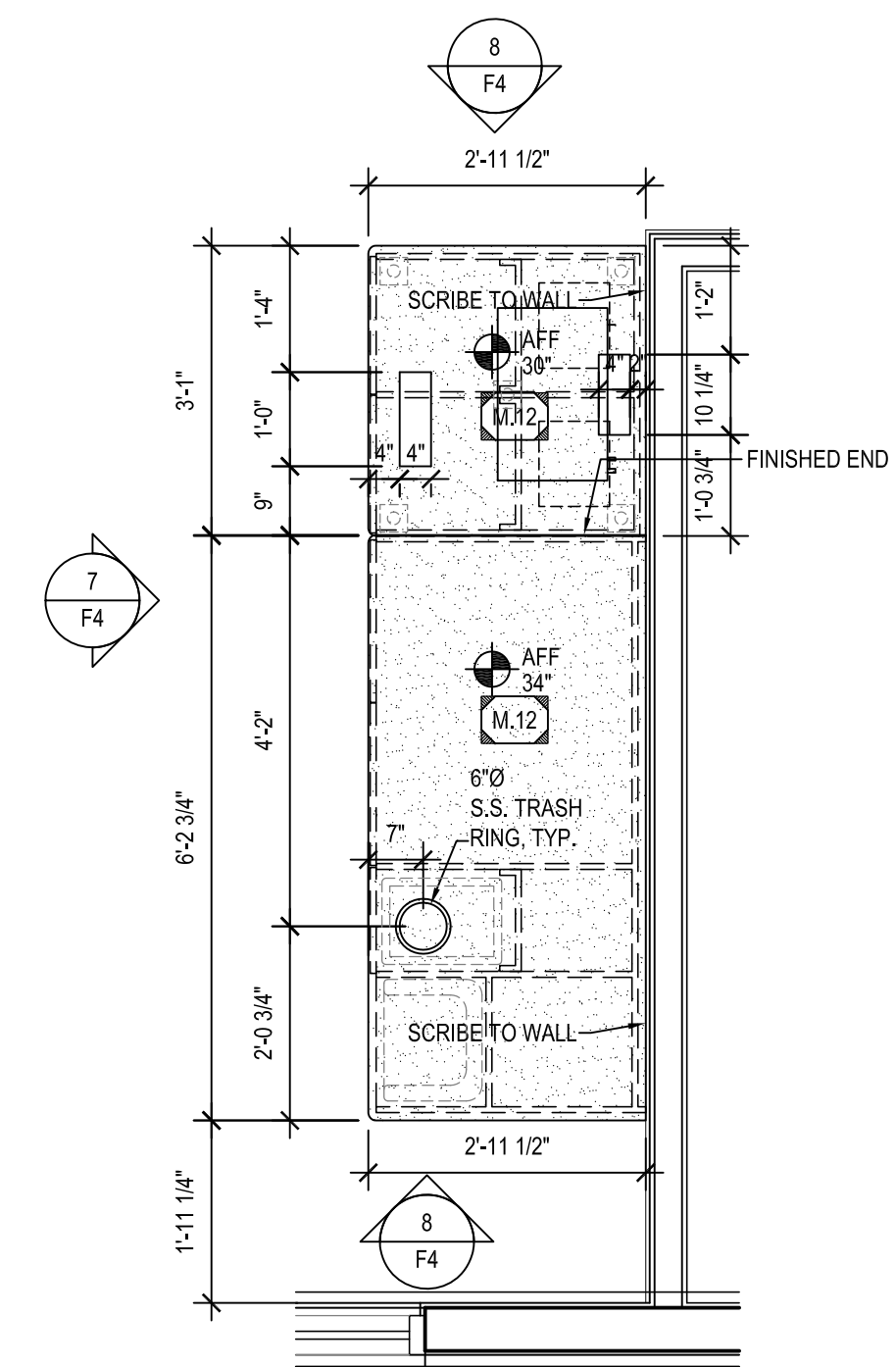
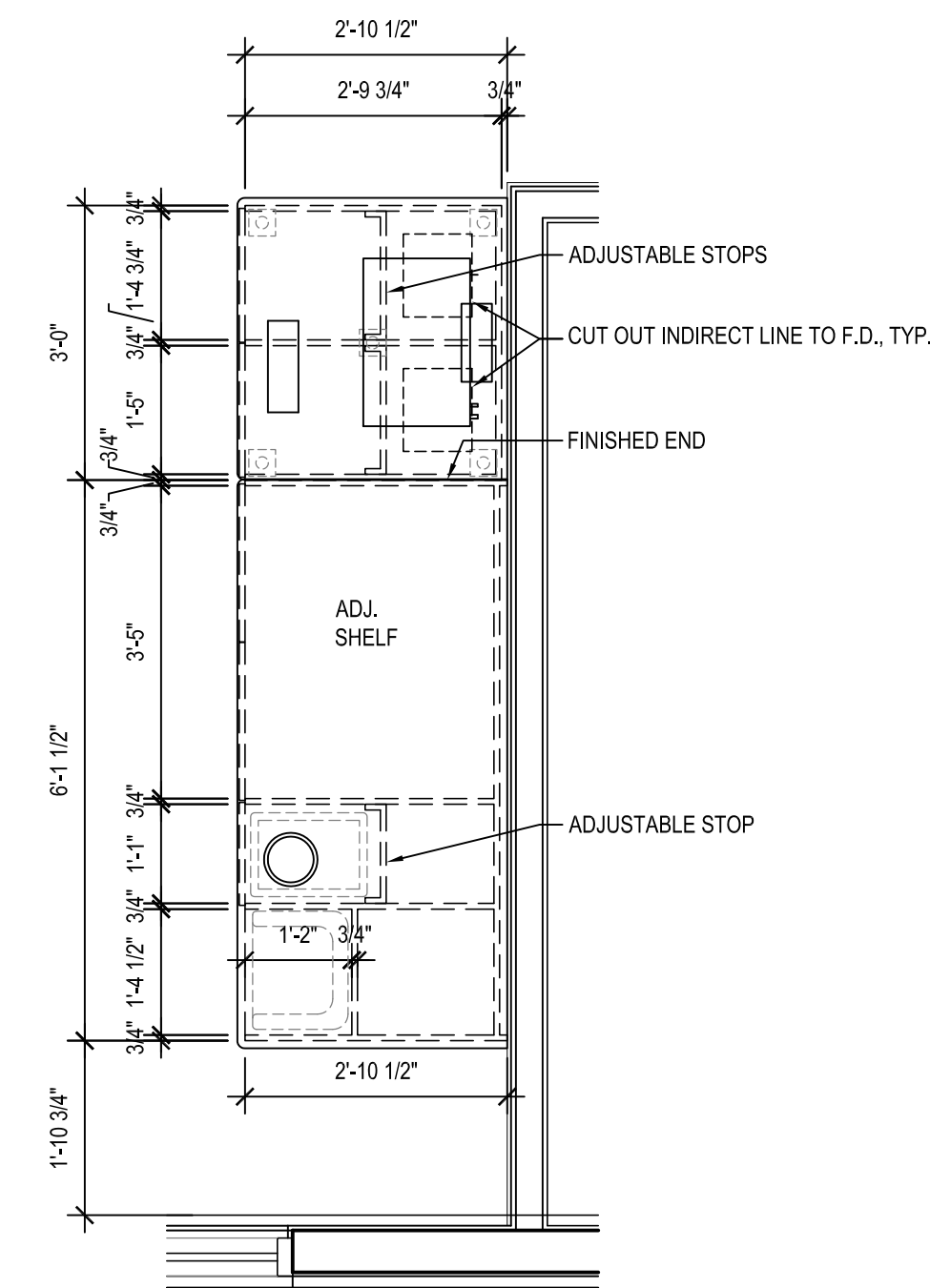
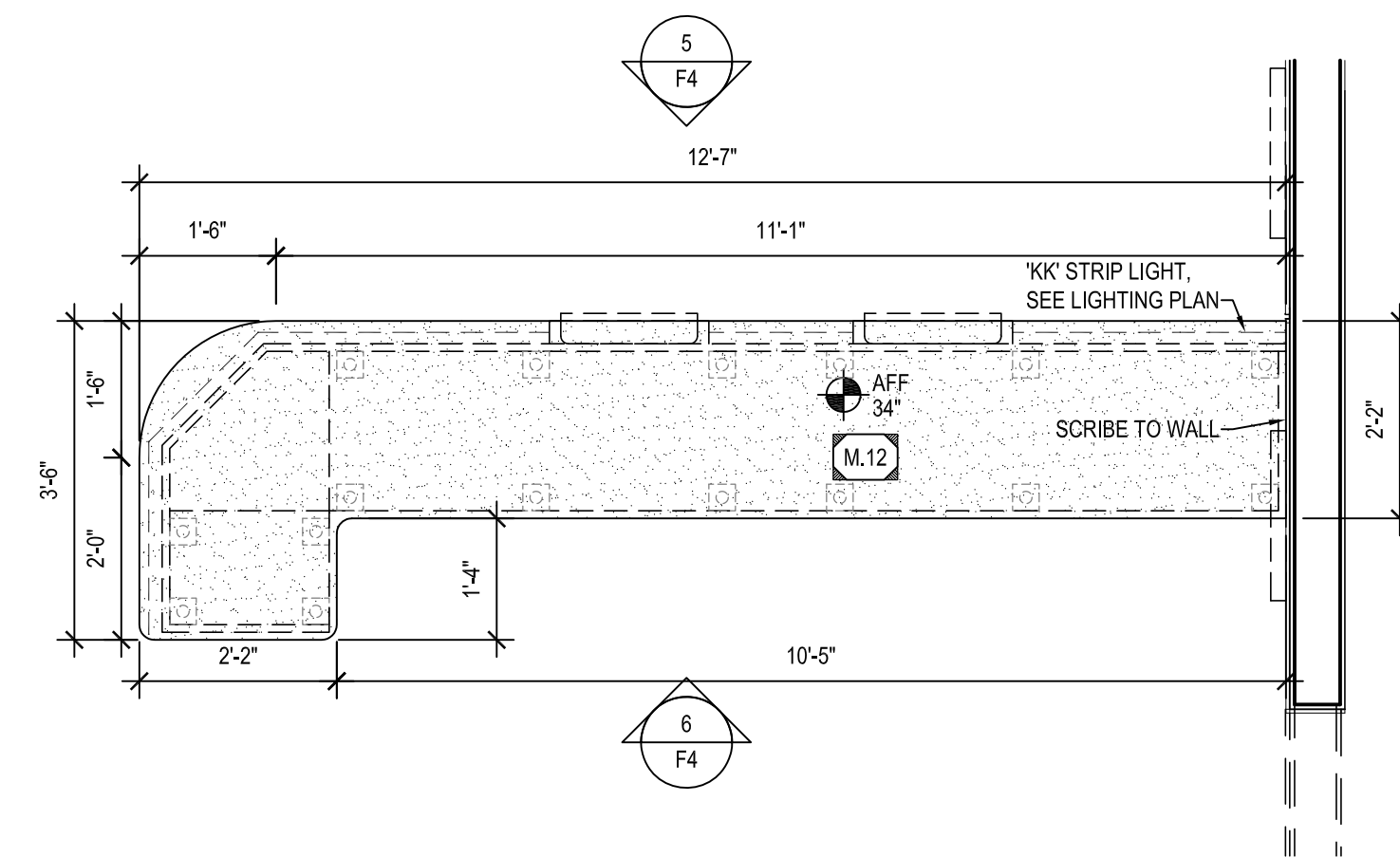
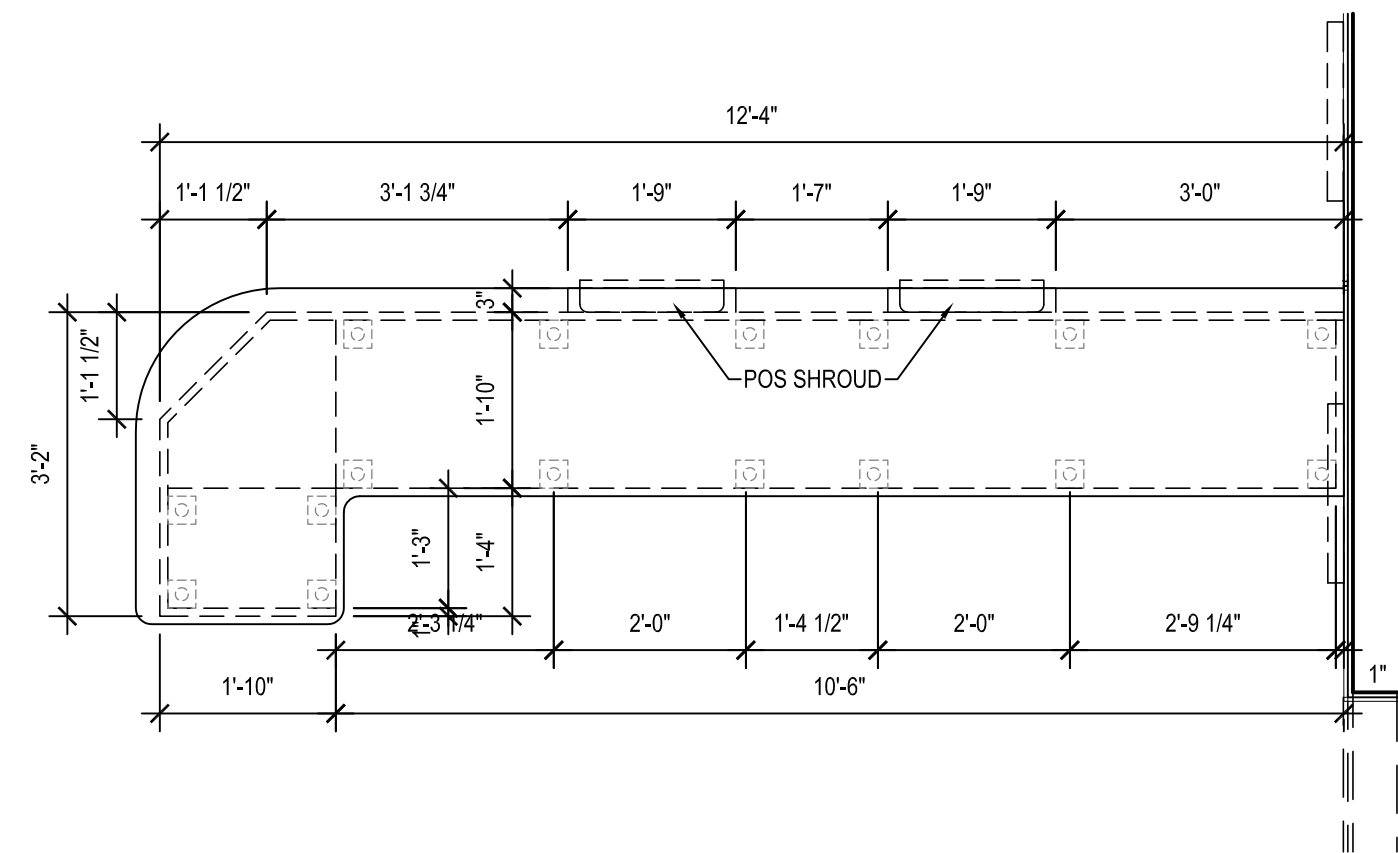
KENTUCKY ARCHITECT LICENSE NUMBER
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EQUIPMENT ELEVATIONS

SHEET NUMBER:
F3

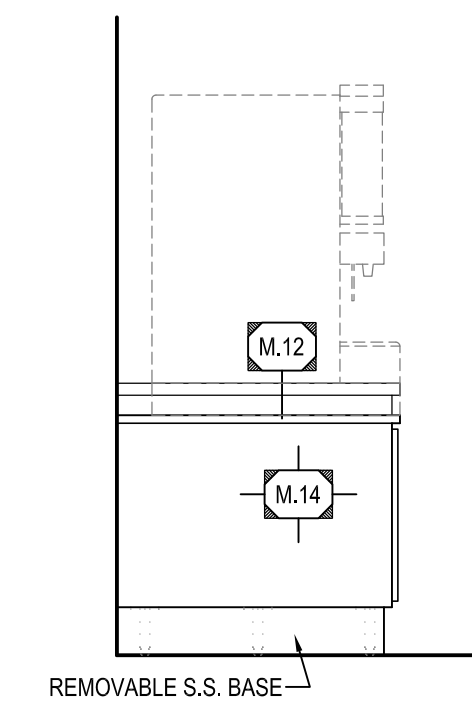
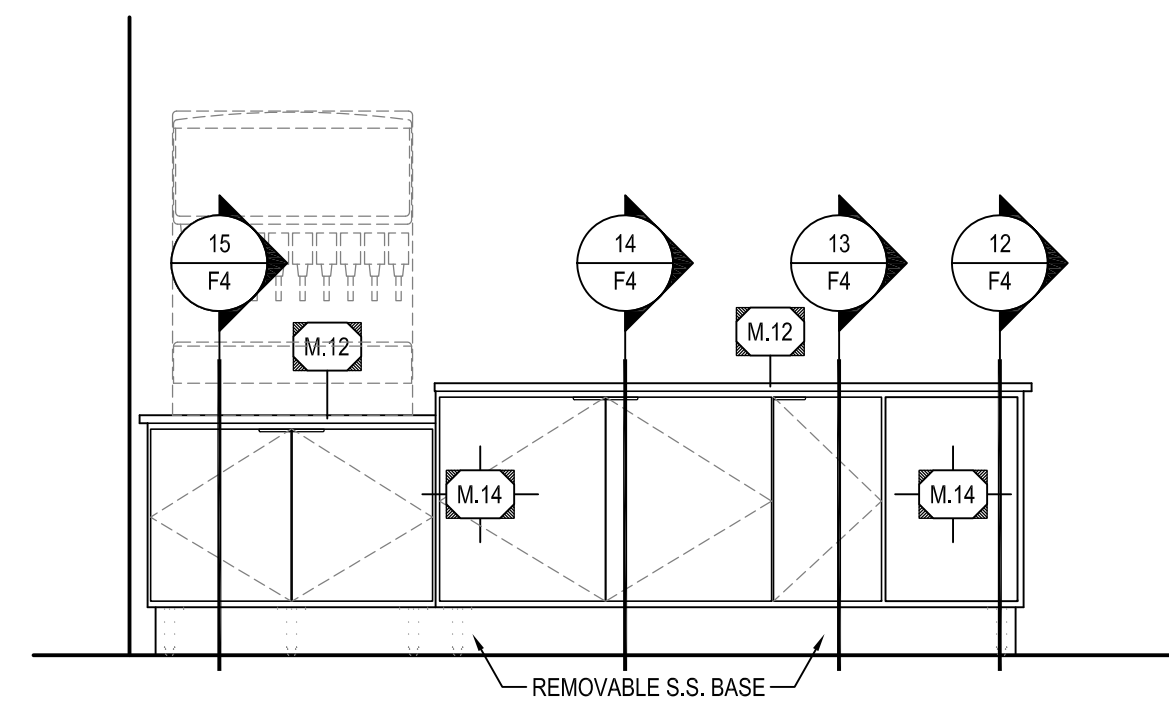
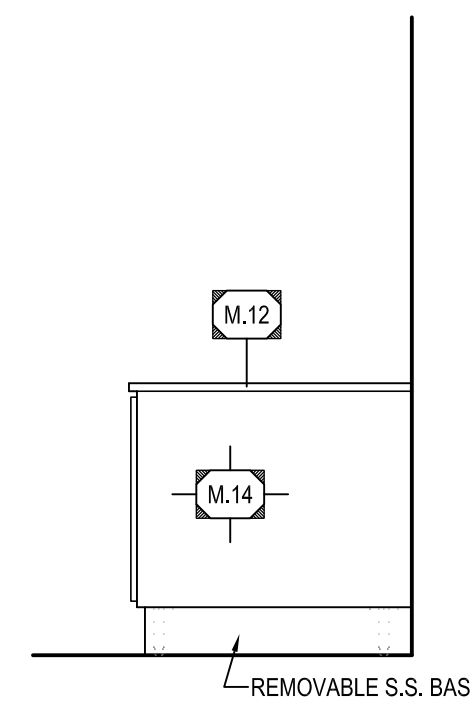
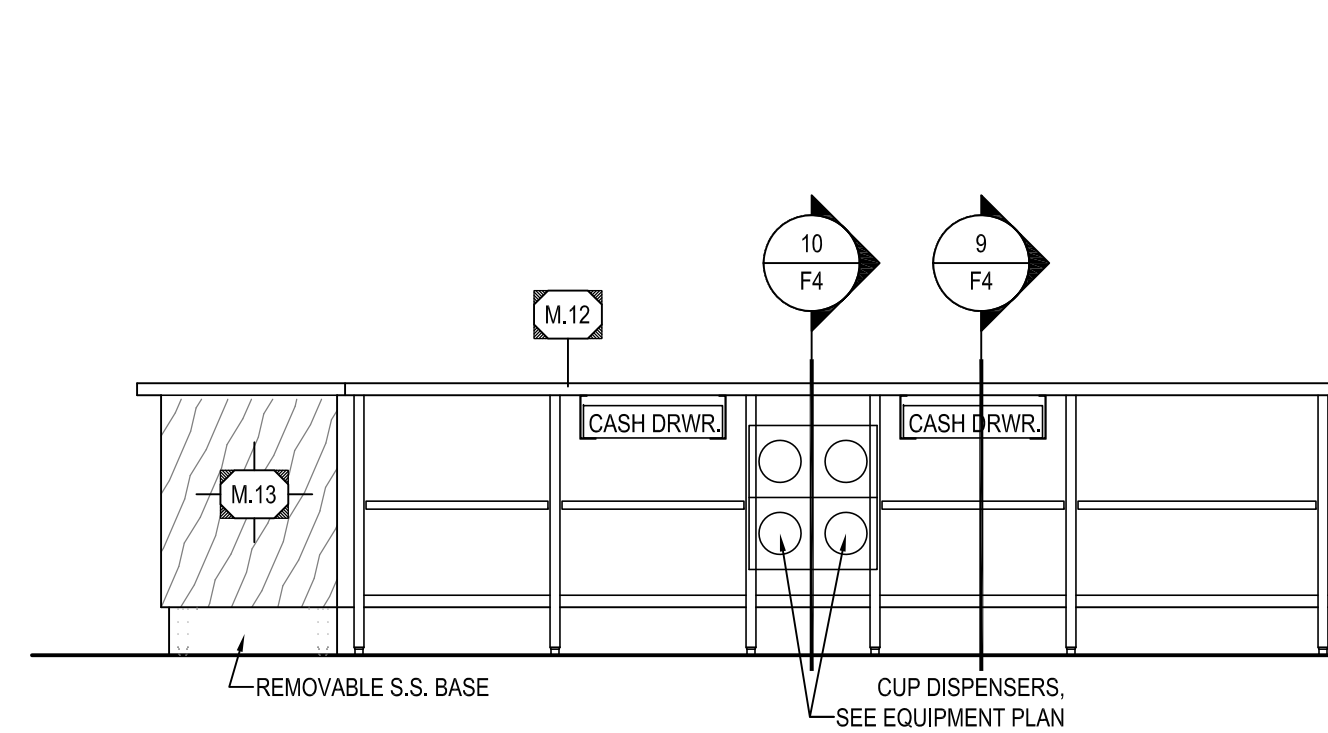
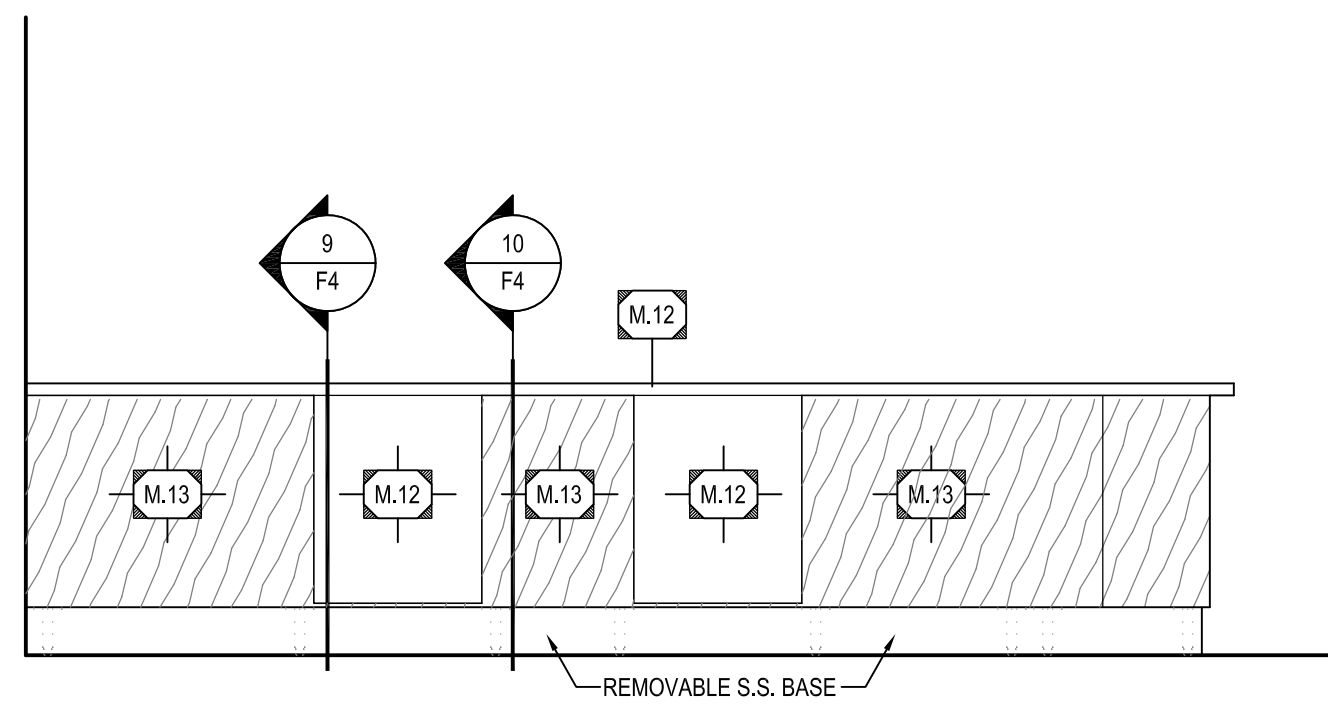


1 BASE CABINET & QUEUE RAIL PLAN
 F4 SCALE: 1/2" = 1'-0"

2 COUNTER TOP PLAN
 F4 SCALE: 1/2" = 1'-0"

3 BASE CABINET PLAN
 F4 SCALE: 1/2" = 1'-0"

4 COUNTER TOP PLAN
 F4 SCALE: 1/2" = 1'-0"



5 FRONT COUNTER
 F4 SCALE: 1/2" = 1'-0"

6 FRONT COUNTER
 F4 SCALE: 1/2" = 1'-0"

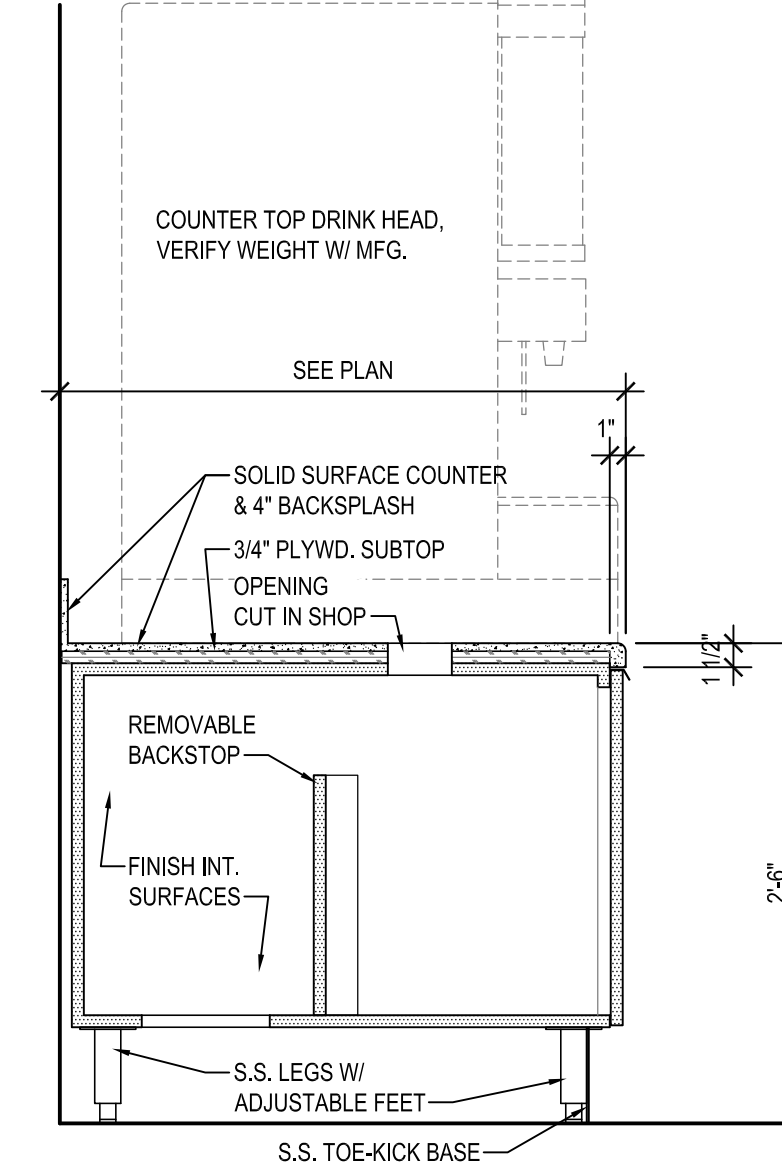
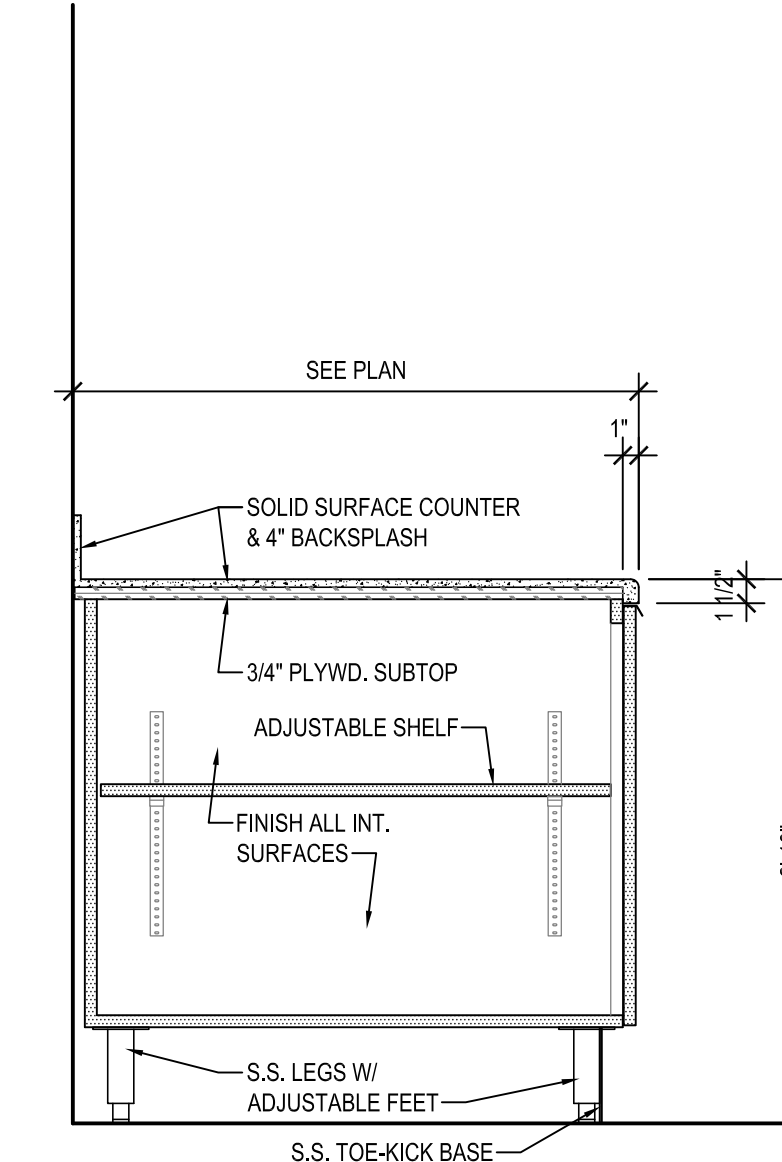
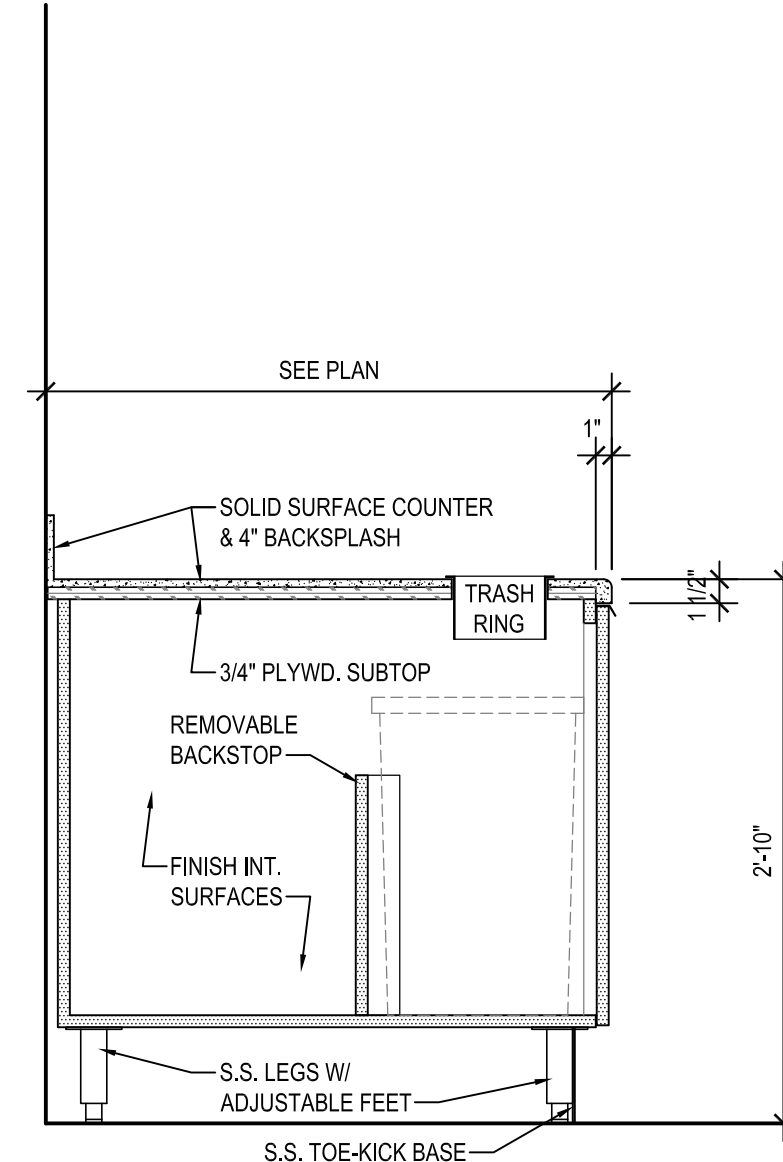
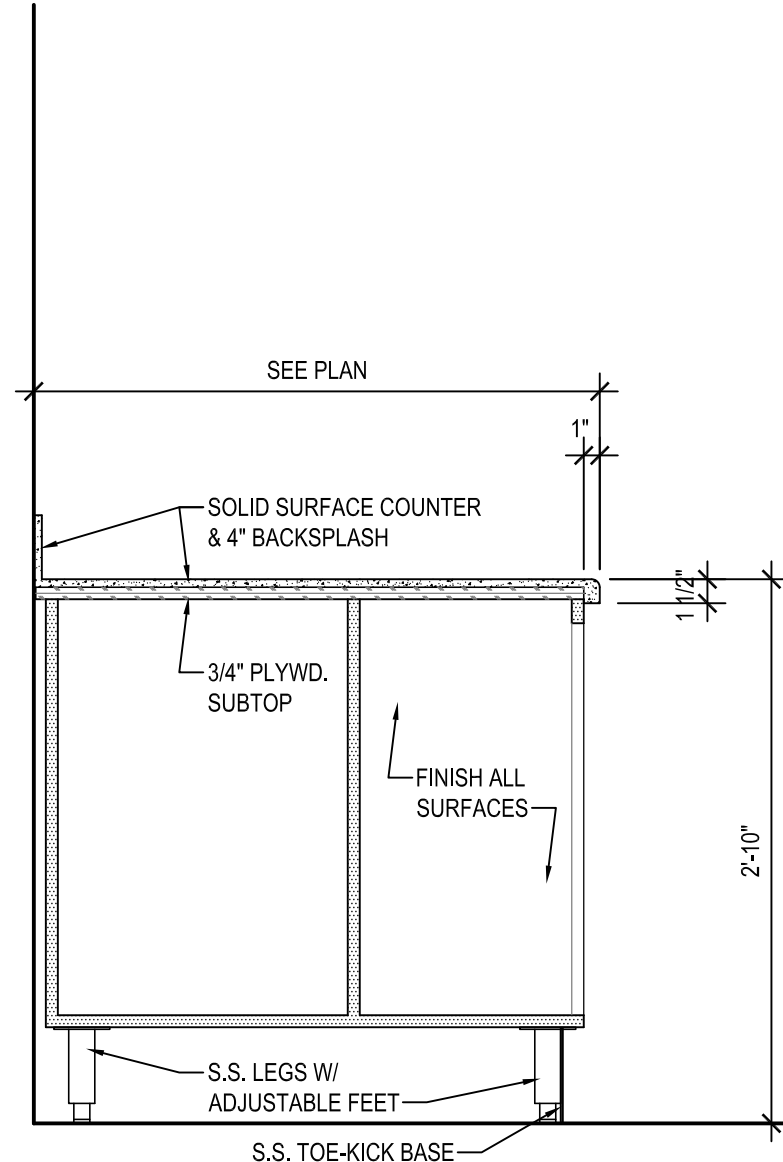
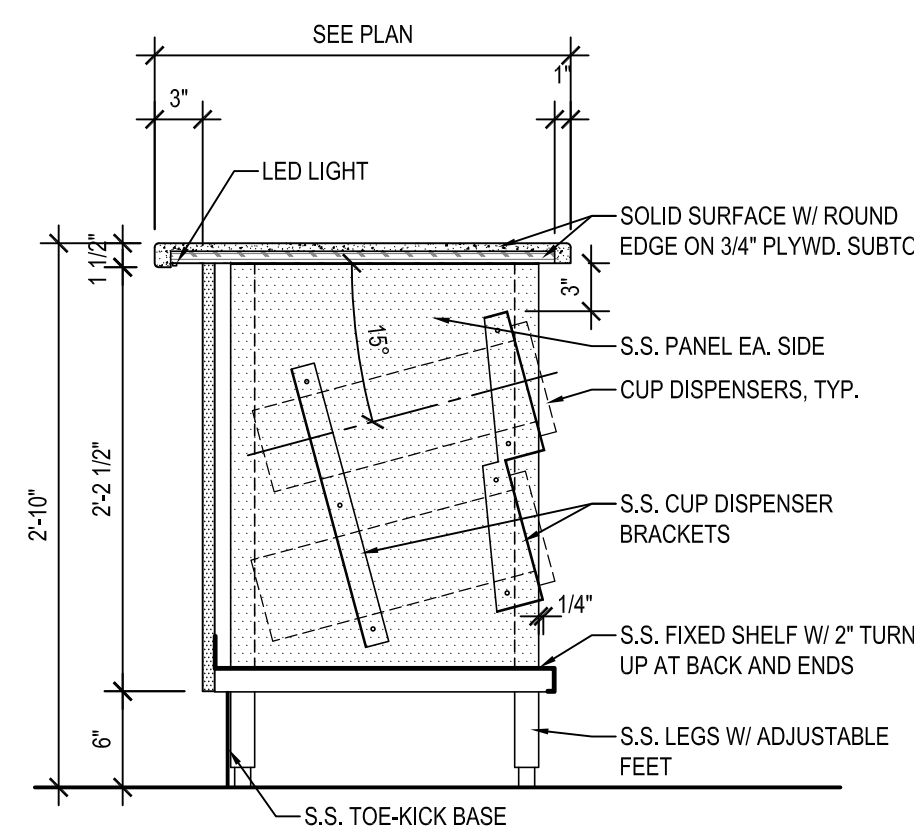
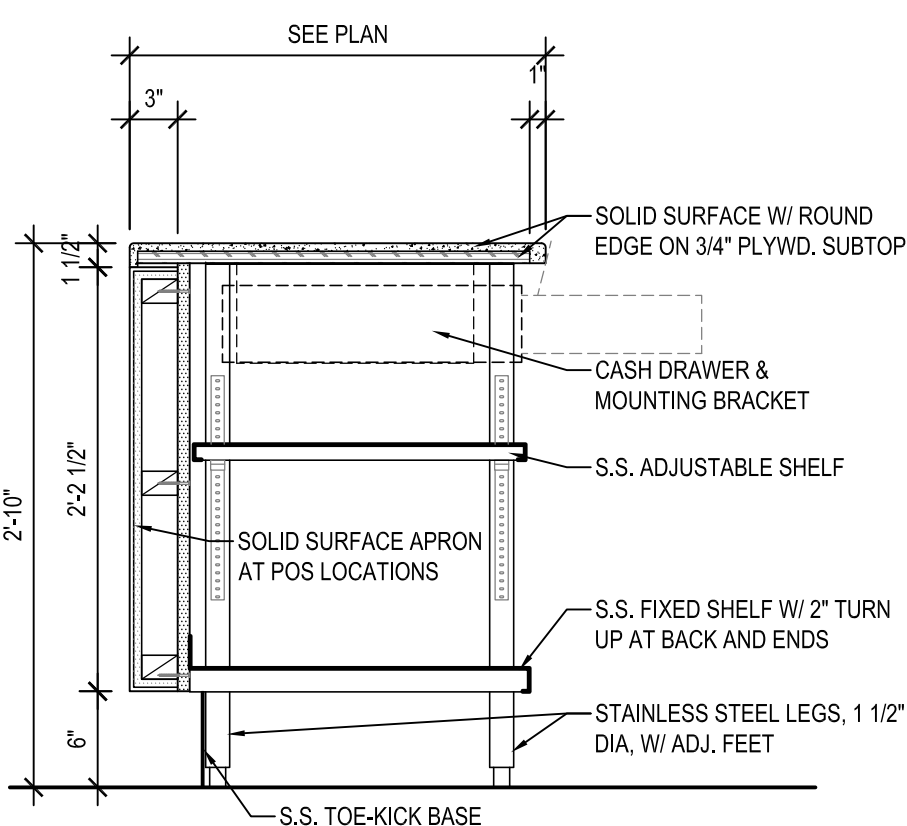
7 DRINKS COUNTER
 F4 SCALE: 1/2" = 1'-0"

8 LOBBY DRINKS COUNTER
 F4 SCALE: 1/2" = 1'-0"

9 DRINKS COUNTER
 F4 SCALE: 1/2" = 1'-0"

COUNTER NOTES:

- LAMINATED COUNTER TOP/FRONT SUPPLIED BY COUNTER MANUFACTURER.
- PLYWOOD TYPICAL BASE CABINET AND COUNTER TOP CONSTRUCTION.
- COUNTER MANUFACTURER TO PROVIDE 1" SCRIBE WHERE COUNTER ABUTS WALL UNLESS OTHERWISE NOTED. G.C. TO SCRIBE CUT IN FIELD.
- PROVIDE SPLINE JOINTS W/ DRAW TIGHT HARDWARE AT ALL COUNTER TOP AND COUNTER FRONT JOINTS.
- GENERAL CONTRACTOR TO VERIFY SIZE OF ALL COUNTER DROP-IN OR CUT-IN EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD CUTTING, INSTALLATION, SEALING, ETC. PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- BASE CABINETS AND COUNTER TOP SUPPLIED BY MANUFACTURER, AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- DOOR PULLS - CONCEALED FINGER PULL, SATIN CHROME FINISHED
- CABINET HINGES - CONCEALED HINGE, HALF OVERLAY



9 FRONT COUNTER
 F4 SCALE: 1" = 1'-0"

10 FRONT COUNTER
 F4 SCALE: 1" = 1'-0"

12 DRINKS COUNTER
 F4 SCALE: 1" = 1'-0"

13 DRINKS COUNTER
 F4 SCALE: 1" = 1'-0"

14 DRINKS COUNTER
 F4 SCALE: 1" = 1'-0"

15 DRINKS COUNTER
 F4 SCALE: 1" = 1'-0"



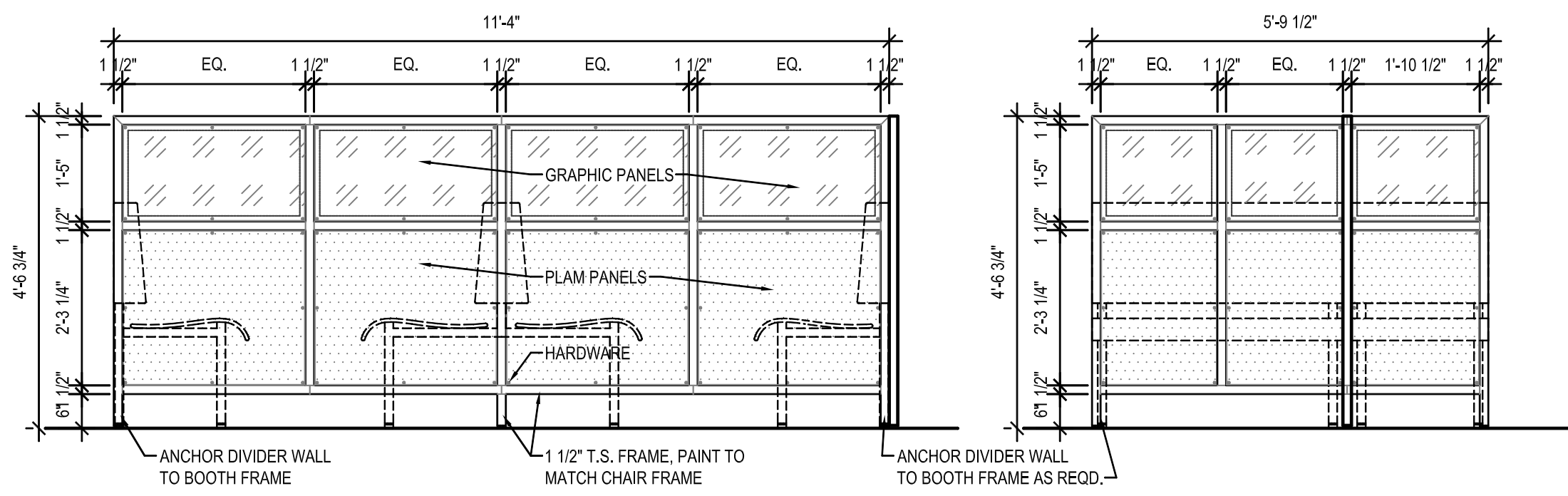
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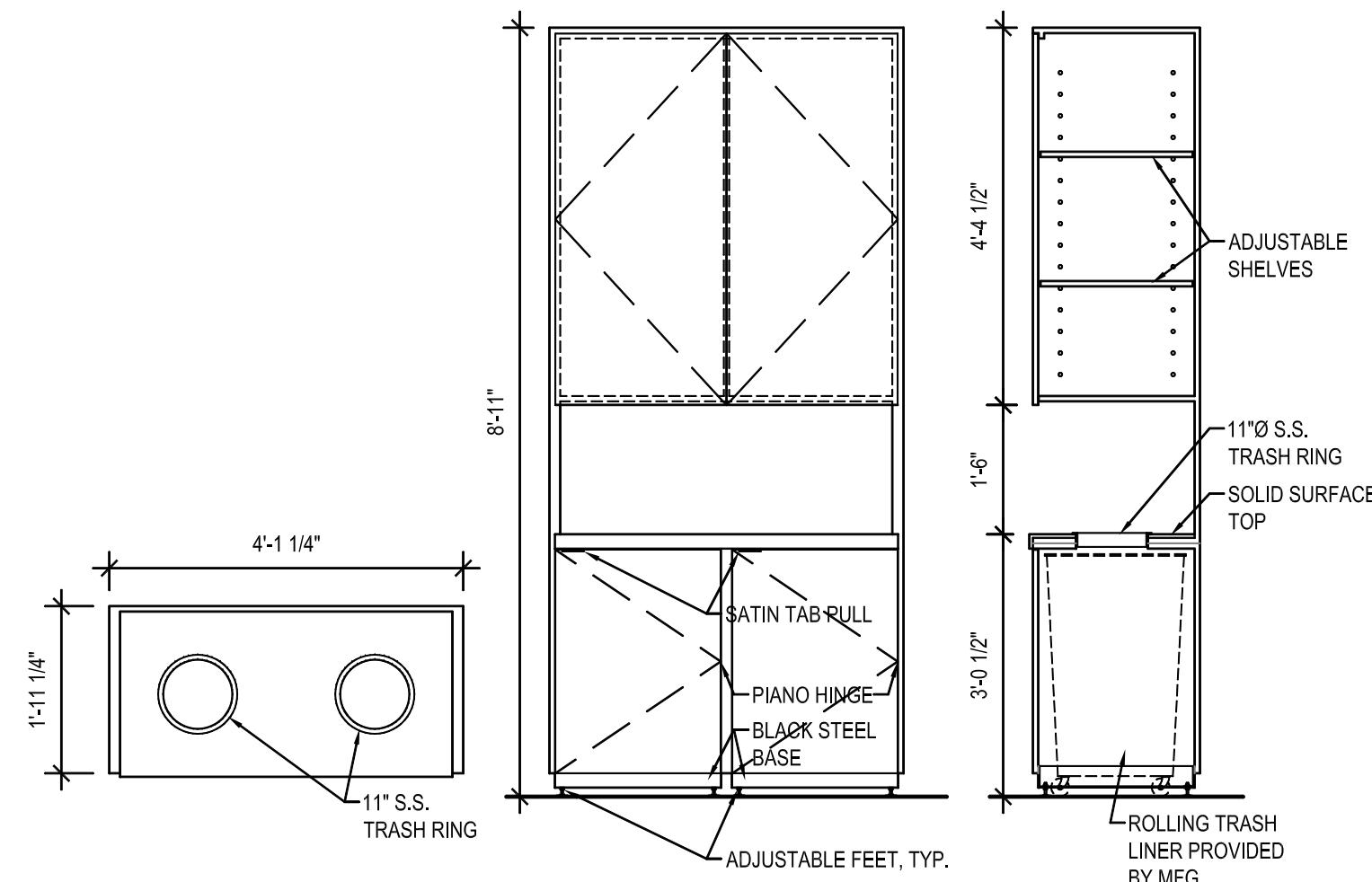
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COUNTER PLANS, ELEVATIONS, & DETAILS

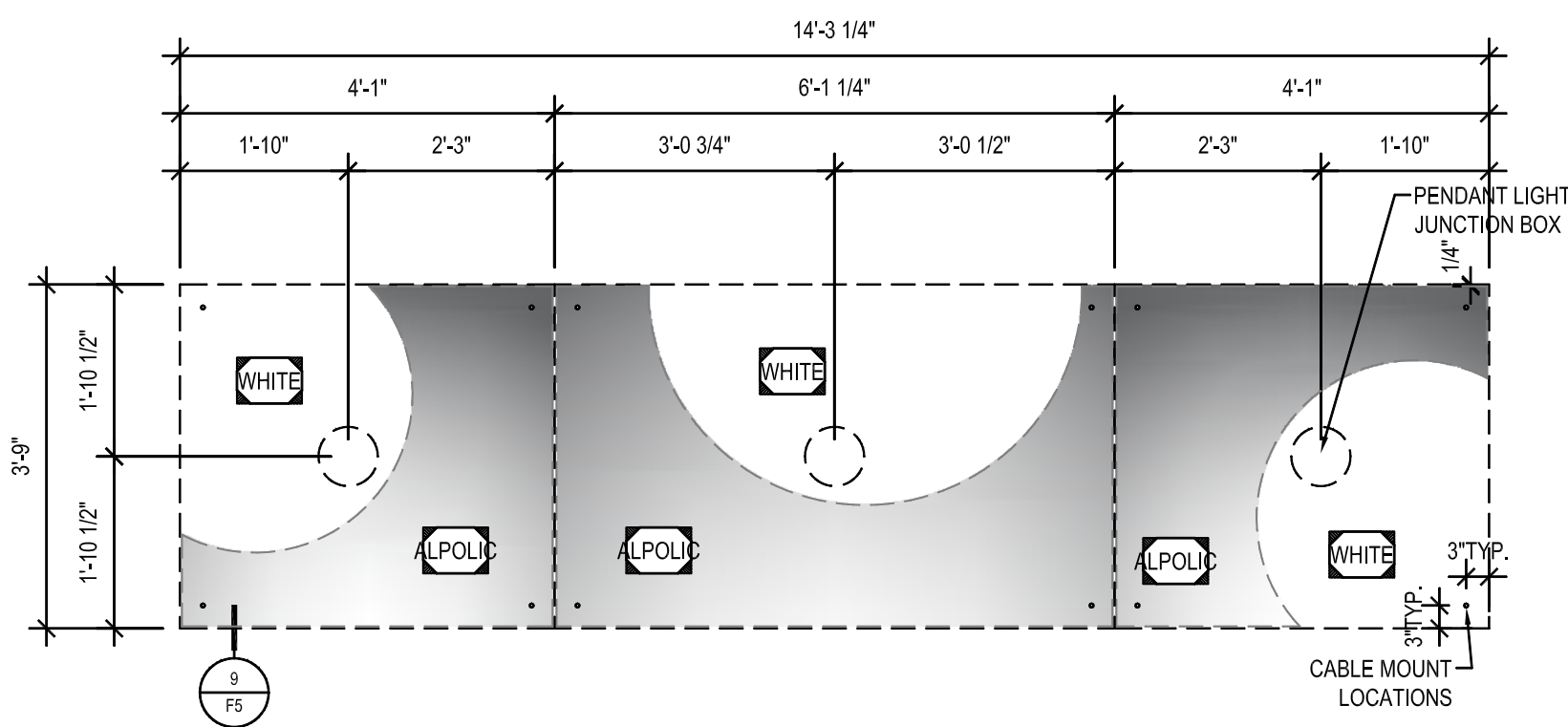
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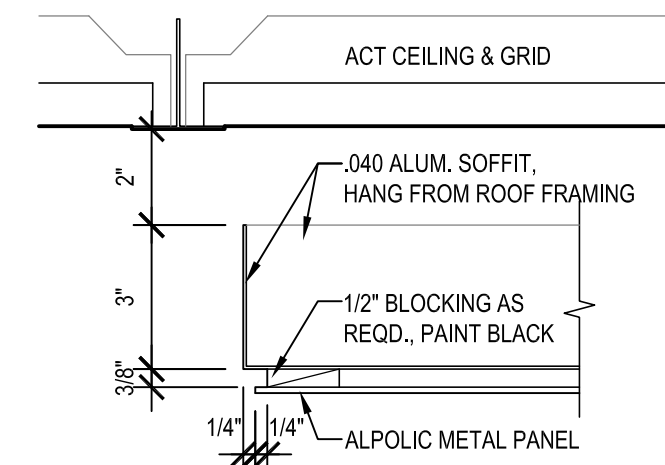
2 DIVIDER WALL
F5 SCALE: 1/2" = 1'-0"



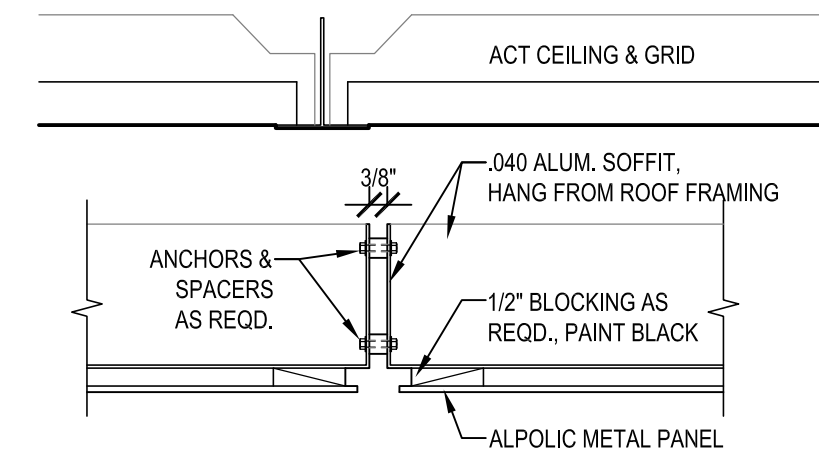
2 TALL TRASH ENCLOSURE
F5 SCALE: 1/2" = 1'-0"



2 CEILING ELEMENT
F5 SCALE: 1/2" = 1'-0"

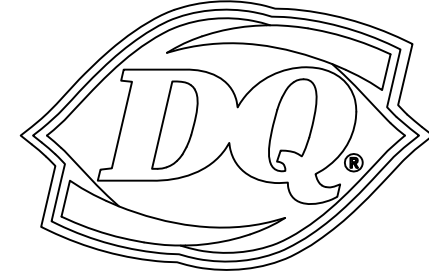


3 CEILING ELEMENT DTL.
F5 SCALE: 3" = 1'-0"



4 CEILING ELEMENT DTL.
F5 SCALE: 3" = 1'-0"

NEW BUILDING FOR:



GRILL & CHILL
BY PASS ROAD
BRANDENBURG, KY 40108

AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.
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KENTUCKY ARCHITECT LICENSE NUMBER
7240

SPECIAL NOTICES
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ISSUE DATE: 09/03/21
REVISION DATE:
09/03/21 ORIGINAL ISSUE
△
△

MILLWORK
ELEVATIONS &
DETAILS

SHEET NUMBER:
F5

GENERAL NOTES:

- 1) ALL WORK PERFORMED ON THIS PROJECT SHALL CONFORM TO THE KENTUCKY TRANSPORTATION CABINET'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION, UNLESS OTHERWISE SPECIFIED.
- 2) IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL FEDERAL, STATE AND LOCAL PERMITS NECESSARY TO PERFORM AND COMPLETE THE PROJECT AS SHOWN ON THESE PLANS. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL INFORMATION STAKING THE PROJECT'S LINES AND GRADES AS SHOWN ON THESE PLANS WILL BE PROVIDED UPON REQUEST.
- 3) IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES SUCH THAT ACCESS TO WORK AREAS OR SCHEDULE CONFLICTS DO NOT INTERRUPT OR DELAY THE PROJECT'S SCHEDULE.
- 4) THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND TO COORDINATE ALL CONNECTIONS WITH UTILITY COMPANIES.
- 5) ALL STORM SEWER PIPE SHALL BE A MINIMUM OF 12" DIAMETER.
- 6) ALL CULVERTS UNDER PAVING HAVING LESS THAN 12" COVER SHALL BE CONCRETE ENCASED.
- 7) RING ALL CATCH BASINS WITH STONE BAGS DURING GRADING OPERATIONS.
- 8) ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BRANDENBURG'S STANDARD SPECIFICATIONS.
- 9) DENSE-GRADED AGGREGATE BASE SHALL BE COMPACTED IN SEPARATE LAYERS.
- 10) FOR ASPHALT PARKING LOTS, CONTRACTOR SHALL RECEIVE APPROVAL FOR JOB MIX FORMULA.
- 11) ALL SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR. THE UPPER 12" OF FILL BENEATH PAVEMENTS SHALL BE COMPACTED TO 100%. MOISTURE CONTENT SHALL BE WITHIN +3% TO -1% OF OPTIMUM.
- 12) TACK COAT SHALL BE APPLIED AT THE RATE OF 0.1 GALS. PER SQ. YARD WITH INSTALLATION OF SURFACE ASPHALT WHEN FINAL PAVING HAS BEEN DELAYED FROM THE BINDER INSTALLATION.
- 13) THE CONTRACTOR SHALL SLOPE ALL FINISH GRADES TO PROVIDE POSITIVE DRAINAGE. FLAT AND PONDING AREAS WILL NOT BE ACCEPTABLE.
- 14) THE MINIMUM GRADE OF ALL STREETS SHALL BE 1% AND MAXIMUM SHALL BE 10%.
- 15) DIMENSIONS SHOWN HEREON ARE FROM THE EDGE OF GUTTERS OR WALLS UNLESS SHOWN OTHERWISE. ALL RADII SHOWN ARE ON FACE OF CURB.
- 16) SIDEWALKS SHALL BE A MINIMUM 5" THICK WITH 6" X 6" W.W.F. ON A 4" D.G.A. BASE. SIDEWALKS AT DRIVEWAYS SHALL HAVE A MINIMUM THICKNESS OF 6". A FINE BROOM FINISH SHALL BE PROVIDED WITH CONTROL JOINTS SPACED AT 5' INTERVALS AND EXPANSION JOINTS AT 25' INTERVALS, AT ALL BENDS AND WHERE ABUTTING RIGID STRUCTURES.
- 17) THE CONTRACTOR SHALL PROVIDE A COMPACTED DEPTH OF 6" TOPSOIL OVER ALL PERVIOUS AREAS ON THE PROJECT.
- 18) ALL HANDICAP SITE FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FEDERAL REGULATIONS 28 CFR PART 36: ADA STANDARDS FOR ACCESSIBLE DESIGN.
- 19) BASED UPON MAPS PREPARED BY THE DEPARTMENT OF HOMELAND SECURITY, FEDERAL EMERGENCY MANAGEMENT AGENCY, THE IMPROVEMENTS SHOWN HEREON ARE LOCATED IN ZONE X, UNSHADED, AREAS OF MINIMAL FLOOD HAZARD. FLOOD INSURANCE RATE MAP 21163C0205 C, EFFECTIVE DATE 07/18/2011.
- 20) DRAINAGE FACILITIES SHALL CONFORM TO CITY OF BRANDENBURG REQUIREMENTS.
- 21) COMPATIBLE UTILITIES SHALL BE PLACED IN A COMMON TRENCH UNLESS APPLICABLE AGENCIES REQUIRE OTHERWISE.
- 22) SITE LIGHTING SHALL NOT SHINE IN THE EYES OF DRIVERS AND SHALL BE DIRECTED DOWN AND AWAY FROM ANY RESIDENTIAL PROPERTIES.
- 23) MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN PLACE DURING CONSTRUCTION TO PREVENT FUTIGVE PARTICULATE EMISSIONS FROM REACHING EXISTING ROADS AND NEIGHBORING PROPERTIES.

UTILITY NOTE

ALL UTILITIES ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER KENTUCKY 811 (TOLL FREE PHONE NO. 1-800-752-8007) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES). WHEN CONTACTING THE KENTUCKY 811 CALL CENTER, PLEASE STATE THE WORK TO BE DONE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS AND IN THE TECHNICAL SPECIFICATIONS & SPECIAL PROVISIONS.

EROSION PREVENTION and SEDIMENT CONTROL:

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY CITY OF BRANDENBURG. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN.

DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOILS TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCING. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES.

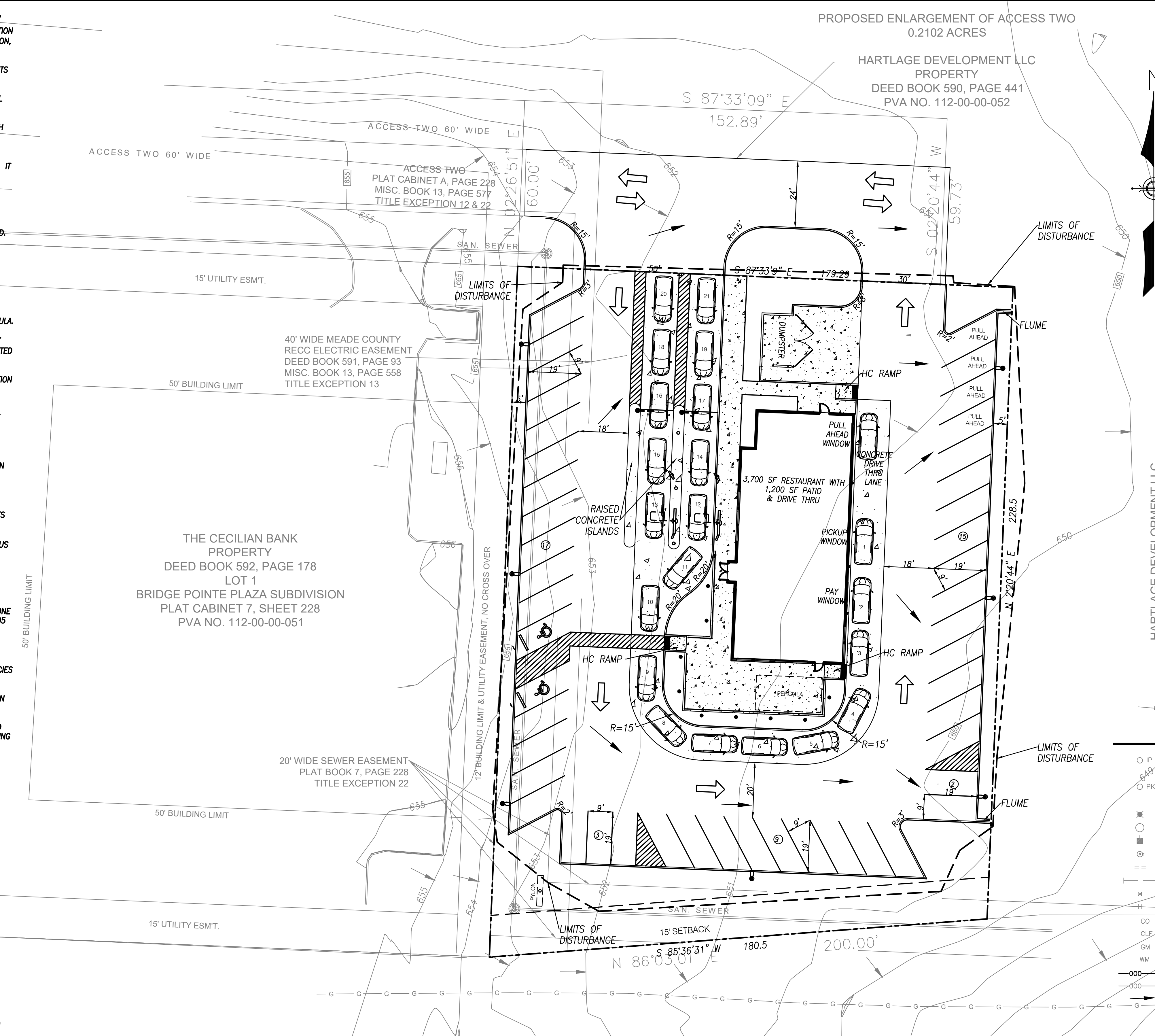
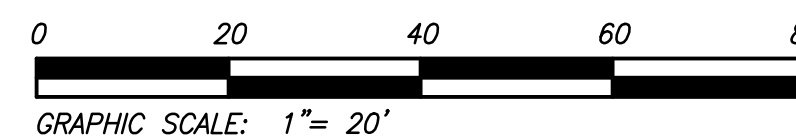
WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGE INTO A STREAM, POND, SWALE OR CATCH BASIN.



BLOMQUIST DESIGN GROUP, LLC
 10529 TIMBERWOOD CIRCLE SUITE "D"
 LOUISVILLE, KENTUCKY 40223
 PHONE: 502.429.0105 FAX: 502.429.6861
 EMAIL: MARVBDG@AOL.COM

REVISIONS	SCALE:
	1" = 20'
	DRWN: KLV
	CKD: MAB
	DATE:
	AUGUST 5, 2021

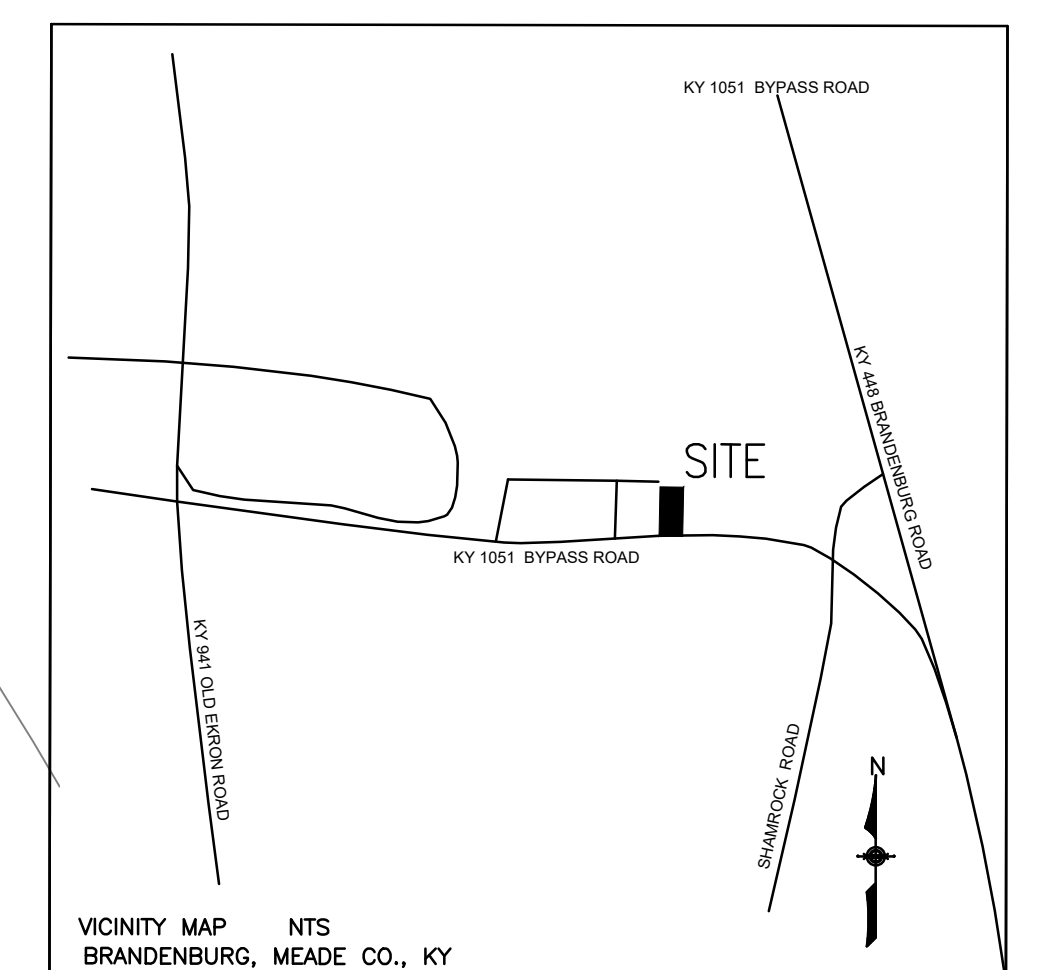


PROPOSED ENLARGEMENT OF ACCESS TWO
 0.2102 ACRES

HARTLAGE DEVELOPMENT LLC
 PROPERTY
 DEED BOOK 590, PAGE 441
 PVA NO. 112-00-00-052

THE CECILIAN BANK
 PROPERTY
 DEED BOOK 592, PAGE 178
 LOT 1
 BRIDGE POINTE PLAZA SUBDIVISION
 PLAT CABINET 7, SHEET 228
 PVA NO. 112-00-00-051

BYPASS ROAD
 KY 1051
 KY 313
 PARTIALLY CONTROLLED ACCESS HIGHWAY
 DEED BOOK 488, PAGE 179



VICINITY MAP
 N.T.S.

SITE DATA CHART

EXISTING ZONE.....	C2 HIGHWAY COMMERCIAL
EXISTING USE.....	VACANT
PROPOSED USE.....	RESTAURANT WITH DRIVE THRU
PROPERTY AREA.....	0.985 ACRES (42,896 S.F.)
PROPOSED BUILDING S.F.....	3,700 S.F. + 1,200 S.F. OUTDOOR PATIO = 4,900 S.F. TOTAL
PROVIDED PARKING.....	46, INCL. 2 ADA

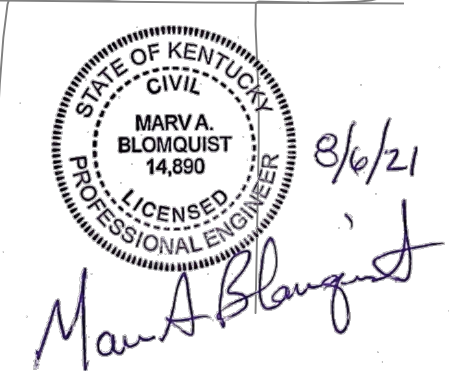
INCREASE IN IMPERVIOUS AREA

PREDEVELOPED IMPERVIOUS AREA =	0 SQ. FT.
DEVELOPED IMPERVIOUS AREA =	35,162 SQ. FT.
INCREASE IN IMPERVIOUS AREA =	35,162 SQ. FT.

AREA OF DISTURBANCE 40,600 SQ. FT. (0.93 AC.)

LEGEND

- IP 1/2" DIAMETER STEEL REINFORCING BAR WITH ORANGE PLASTIC CAP STAMPED "W 2852" SET
- PKF PARKER-KALON NAIL WITH BRASS WASHER STAMPED "2852", SET PREVIOUS SURVEY
- LIGHT POLE
- SANITARY/STORM MANHOLE
- POWER POLE
- FIRE HYDRANT
- GRAVITY SANITARY SEWER LINE / STORM SEWER
- WATER LINE
- WATER VALVE
- PHYSICALLY CHALLENGED PARKING SPACE
- CLEAN OUT
- CHAIN LINK FENCE
- GM GAS METER
- WM WATER METER
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED DRAINAGE ARROW
- GM GAS MAIN
- EXISTING POLE
- TELEPHONE POLE
- POLE ANCHOR
- TREE/SHRUB
- FENCE
- MONITORING WELL
- WATER METER
- BURIED TELEPHONE/FIBER OPTIC
- GUARDRAIL
- OVERHEAD UTILITY LINE
- INTERIOR PROPERTY LINE
- CBI CURB BOX INLET
- DBI DROP BOX INLET
- TBM TEMPORARY BENCHMARK
- EXISTING PLANTING
- TPF TREE PROTECTION FENCE
- PROPOSED PLANTING



SITE PLAN FOR DQ BRANDENBURG
 ZONED C2 HIGHWAY COMMERCIAL
 BYPASS ROAD KY 1051/ KY 313
 BRANDENBURG, KY 40108
 DEED BOOK 590, PAGE 441
 PVA NO. 112-00-00-052

OWNER:
 HARTLAGE DEVELOPMENT LLC
 3320 CAMP GROUND ROAD
 LOUISVILLE, KY 40211

DEVELOPER:
 FOURTEEN FOODS
 6442 CITY WEST PARKWAY, SUITE 400
 EDEN PRAIRIE, MN 55344

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY CITY OF BRANDENBURG'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN AND STANDARD. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEED, MULCHED AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER CITY OF BRANDENBURG STANDARD DRAWING. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE OR CATCH BASIN.

THESE GUIDELINES SHALL SPECIFICALLY APPLY TO ALL PERMANENT REVEGETATION, LAND GRADING AND SEEDING.

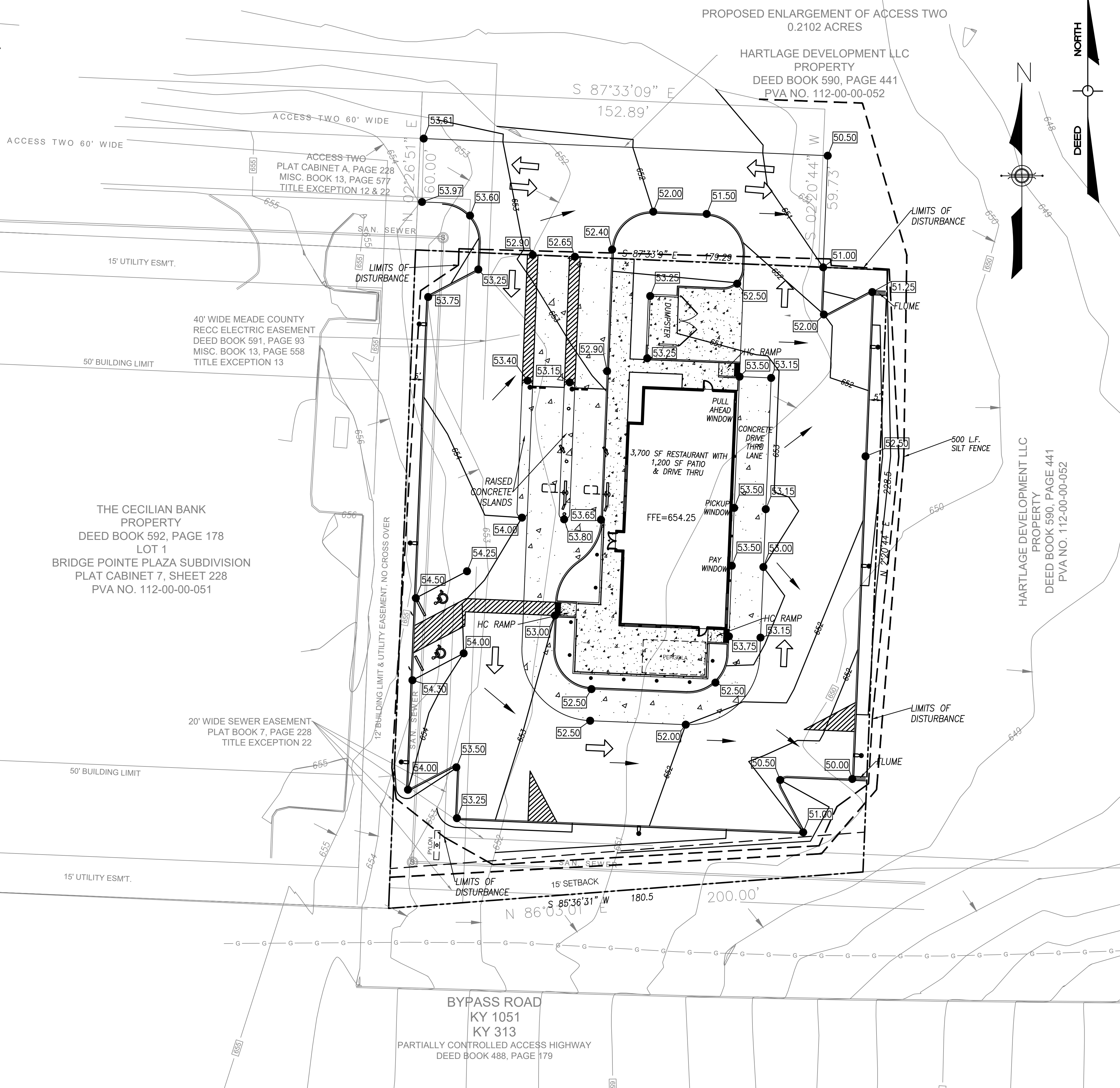
1. THE FILL MATERIAL SHALL BE CLEAN CLAY HAVING THE SAME CONSISTENCY AND COHESIVENESS AS THE EXCAVATED MATERIAL. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. THE FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE FOR PROPER COMPACTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES DURING CONSTRUCTION.
3. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PROPER WORKING CONDITION.
4. SOIL EROSION AND SEDIMENT CONTROL SHALL INCLUDE, BUT LIMITED TO, THE ABOVE MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ANY OMISSIONS, ERRORS, OR SUBSEQUENT FIELD OPERATIONS WHICH MIGHT DEVIATE FROM THE INTENT OF THIS PLAN. THE CONTRACTOR SHALL CORRECT SAID OMISSIONS, ERRORS OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE ABOVE MENTIONED GUIDELINES.
5. STRIPPING OF VEGETATION, REGRADING OR OTHER DEVELOPMENT SHALL BE DONE IN SUCH A WAY AS TO MINIMIZE EROSION.
6. WHENEVER SEDIMENTATION IS CAUSED BY STRIPPING VEGETATION, REGRADING OR OTHER DEVELOPMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE IT FROM ALL ADJOINING SURFACES, DRAINAGE SYSTEMS AND WATERCOURSES AND TO REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE.
7. DURING CONSTRUCTION THE SITE SHALL BE MAINTAINED AND LEFT EACH DAY IN A SAFE AND SANITARY MANNER AND ANY CONDITION WHICH COULD LEAD TO PERSONAL INJURY OR PROPERTY DAMAGE SHALL BE IMMEDIATELY CORRECTED BY THE CONTRACTOR.
8. PRIOR TO OR DURING CONSTRUCTION, THE ENGINEER MAY REQUIRE THE INSTALLATION OR CONSTRUCTION OF IMPROVEMENTS TO PREVENT OR CORRECT TEMPORARY CONDITIONS ON THE SITE WHICH WOULD CAUSE PERSONAL INJURY, DAMAGE TO PROPERTY OR CONSTITUTE A HEALTH HAZARD. THESE CONDITIONS MAY RESULT FROM EROSION OR LANDSLIDE, FLOODING, HEAVY CONSTRUCTION TRAFFIC, CREATION OF STEEP GRADES OR POLLUTION. IMPROVEMENTS MAY INCLUDE BERMS, MULCHING SEDIMENT TRAPS, DETENTION AND RETAINING BASINS, GRADING, PLANTING, RETAINING WALLS, CULVERTS, PIPES, GUARDRAILS, TEMPORARY ROADS AND OTHER MEASURES APPROPRIATE TO THE SPECIFIC CONDITION. ALL TEMPORARY IMPROVEMENTS SHALL REMAIN IN PLACE AND IN OPERATION UNTIL OTHERWISE DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO TRACK MUD OR DEBRIS ONTO ADJACENT OFF-SITE OR ON-SITE ROADS. THE ROADWAY SHALL BE SWEEPED CLEAN DAILY OR AS NEEDED. LOOSE DEBRIS WILL BE REMOVED AT THE CONSTRUCTION ENTRANCE.

EROSION CONTROL LEGEND:

- - - - - = SILT FENCE
- ⊙ (xx.xx) = SPOT ELEVATION (REPRESENTS FINISHED GRADE OR BOTTOM OF CURB/GUTTER LINE)
- - - - - = LIMITS OF DISTURBANCE AREA

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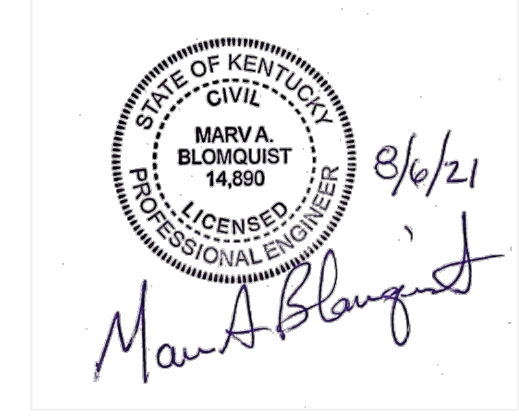
SILT CONTROL/BMP MAINTENANCE SCHEDULE:

ALL BMP'S SHALL BE INSPECTED BY THE CONTRACTOR BI-WEEKLY AND AFTER EVERY 1/2-INCH OR GREATER RAIN EVENT. REPAIRS TO ANY DAMAGED BMP'S MUST BE COMPLETED BEFORE CONSTRUCTION MAY RESUME.

INCREASE IN IMPERVIOUS AREA

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 DEVELOPED IMPERVIOUS AREA = 35,162 SQ. FT.
 INCREASE IN IMPERVIOUS AREA = 35,162 SQ. FT.

AREA OF DISTURBANCE 40,600 SQ. FT. (0.93 AC.)



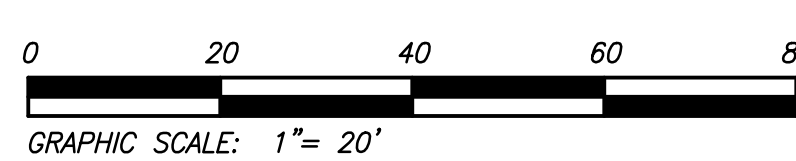
GRADING AND EPSC PLAN FOR DO BRANDENBURG

ZONED C2 HIGHWAY COMMERCIAL
 BYPASS ROAD KY 1051/ KY 313
 BRANDENBURG, KY 40108
 DEED BOOK 590, PAGE 441
 PVA NO. 112-00-00-052

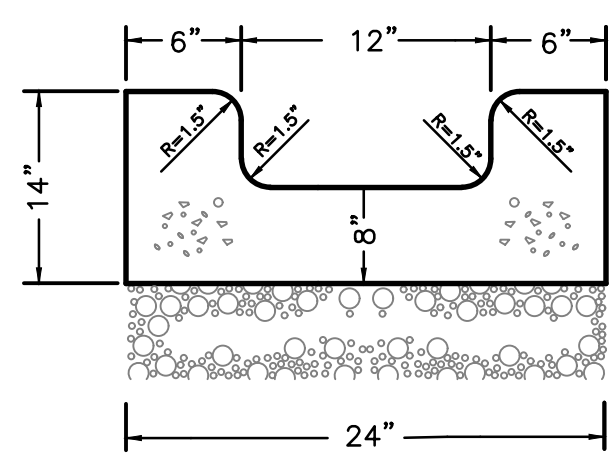
OWNER:
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DEVELOPER:
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BLOMQUIST DESIGN GROUP, LLC
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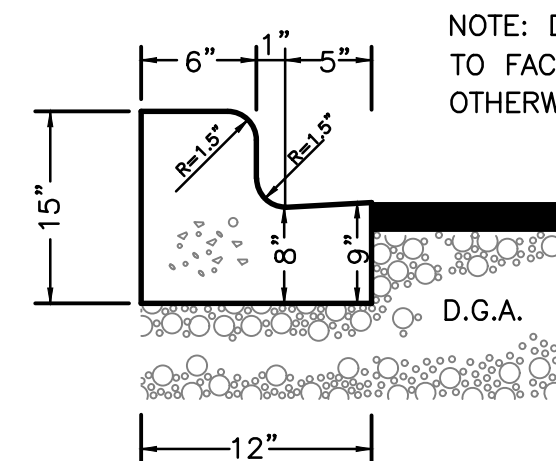


REVISIONS	SCALE:
	1" = 20'
	DRWN: KLV
	CKD: MAB
	DATE:
	AUGUST 5, 2021



FLUME

n.t.s

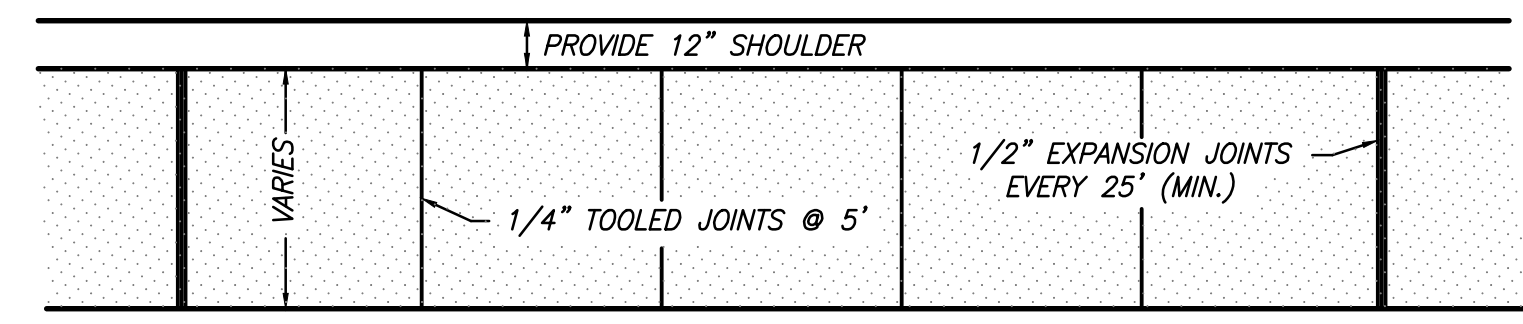


CURB AND GUTTER

n.t.s

NOTE: DIMENSION ON PLAN TO FACE OF CURB UNLESS OTHERWISE INDICATED.

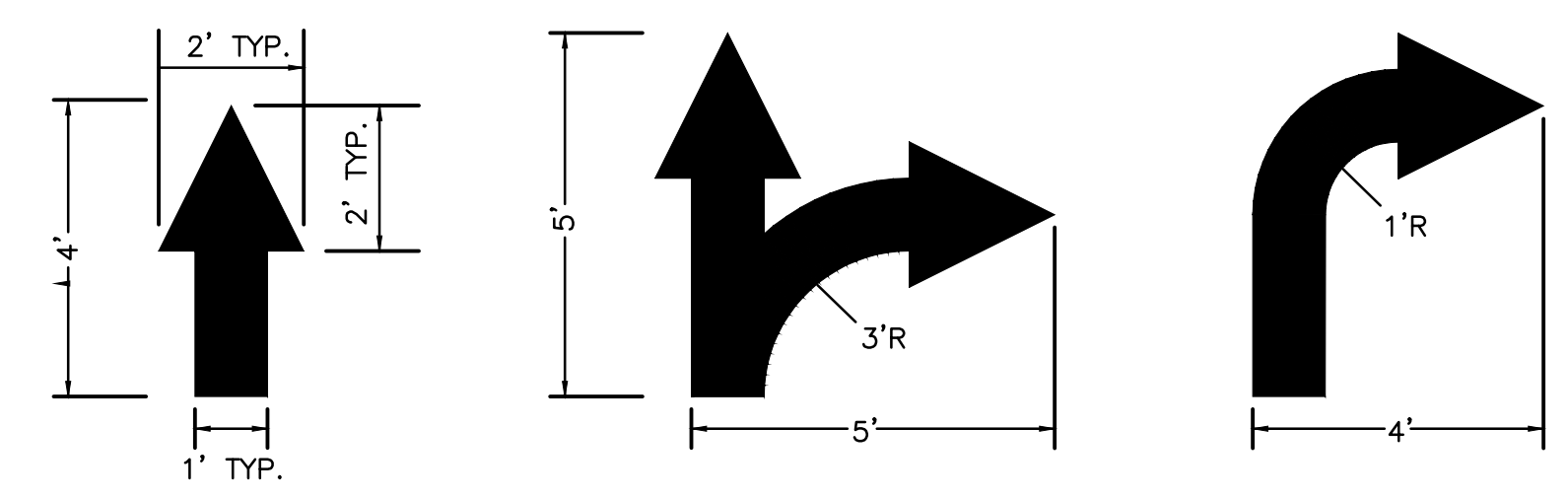
NOTE: PROVIDE JOINTS IN ACCORDANCE WITH KY DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS.



PLAN

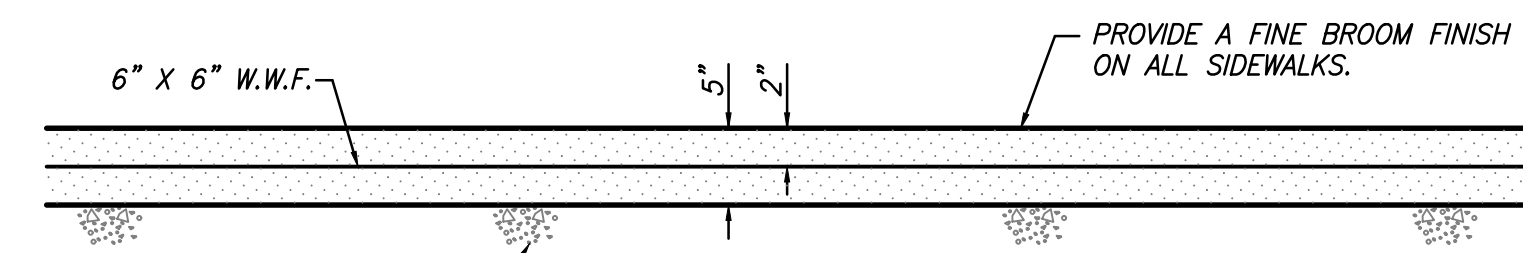
5" THICK CONCRETE SIDEWALK W/ 6" X 6" - 10X10 W.W.F.

FACE OF CURB, PROVIDE EXPANSION JOINT BETWEEN BACK OF CURB AND SIDEWALK.



PAVEMENT ARROWS

n.t.s

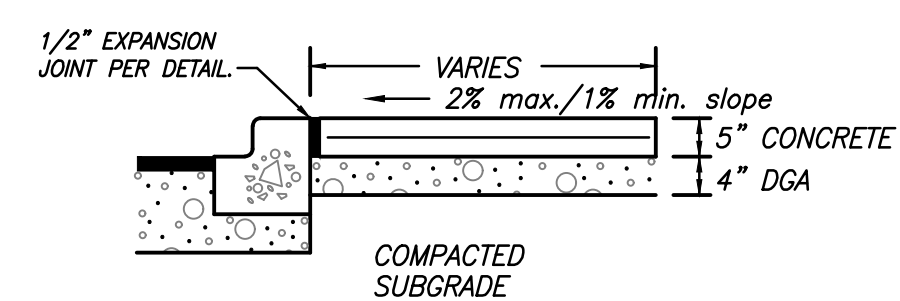
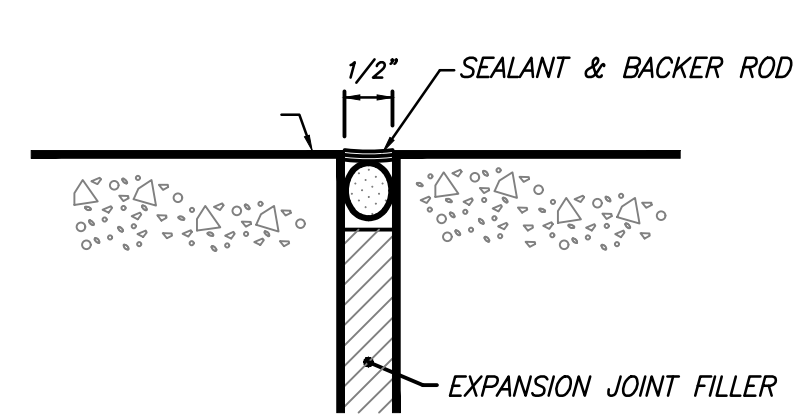


SECTION

4" CRUSHED AGGREGATE NO. 610 OR EQUAL.

PROVIDE A FINE BROOM FINISH ON ALL SIDEWALKS.

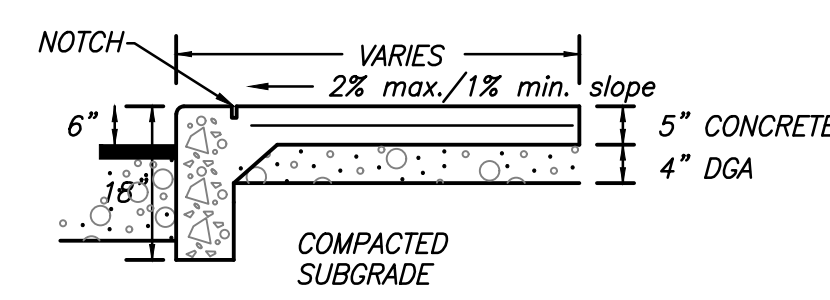
SIDEWALKS TO SLOPE 2% MAX./1% MIN. TOWARDS CURB OR FROM BUILDINGS UNLESS SHOW OTHERWISE.



Sidewalk to Curb

CONCRETE SIDEWALK EXPANSION JOINT

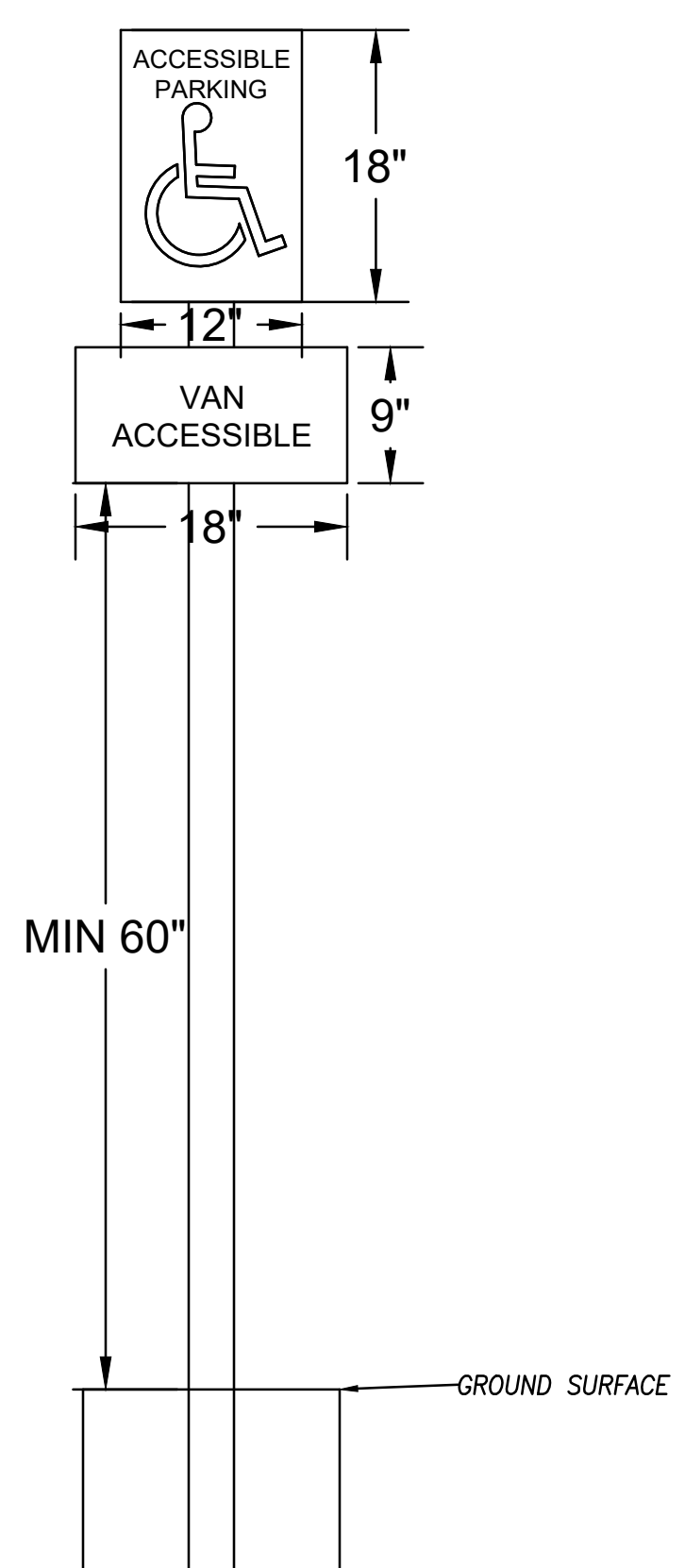
SIDEWALKS TO SLOPE 2% TOWARDS CURB OR FROM BUILDINGS UNLESS SHOW OTHERWISE.



Integral Curb & Walk

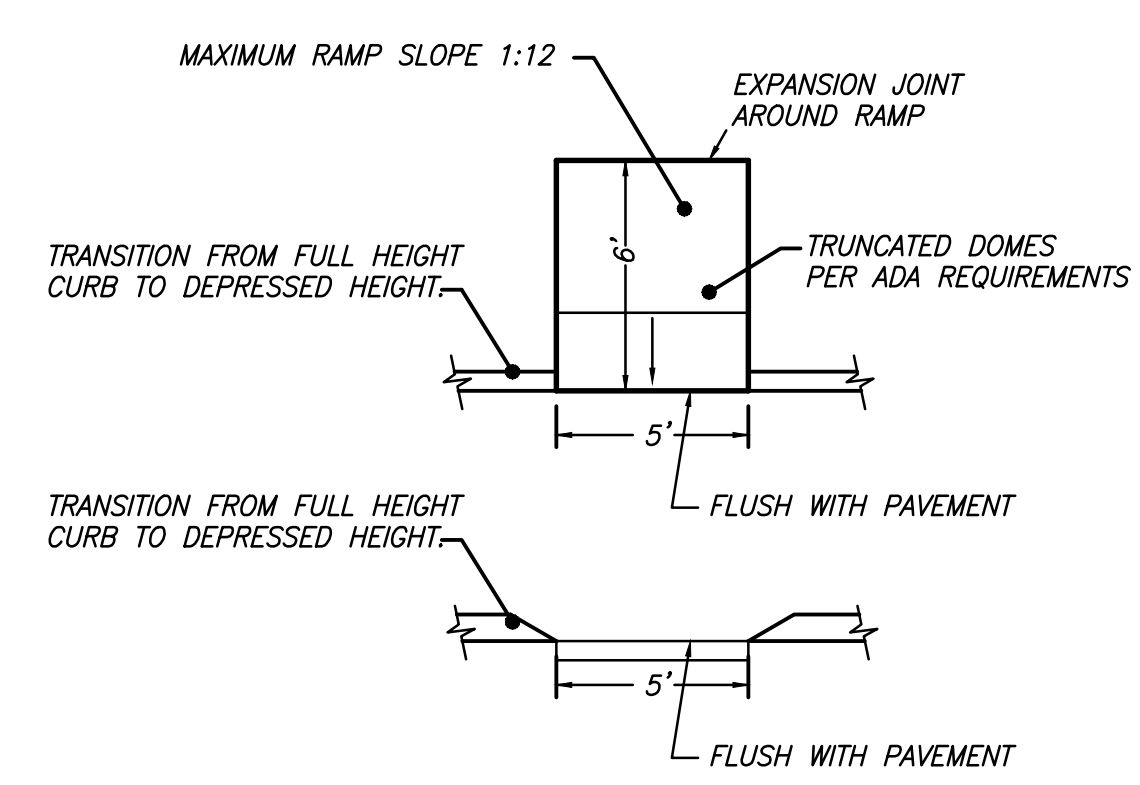
SIDEWALKS

N.T.S



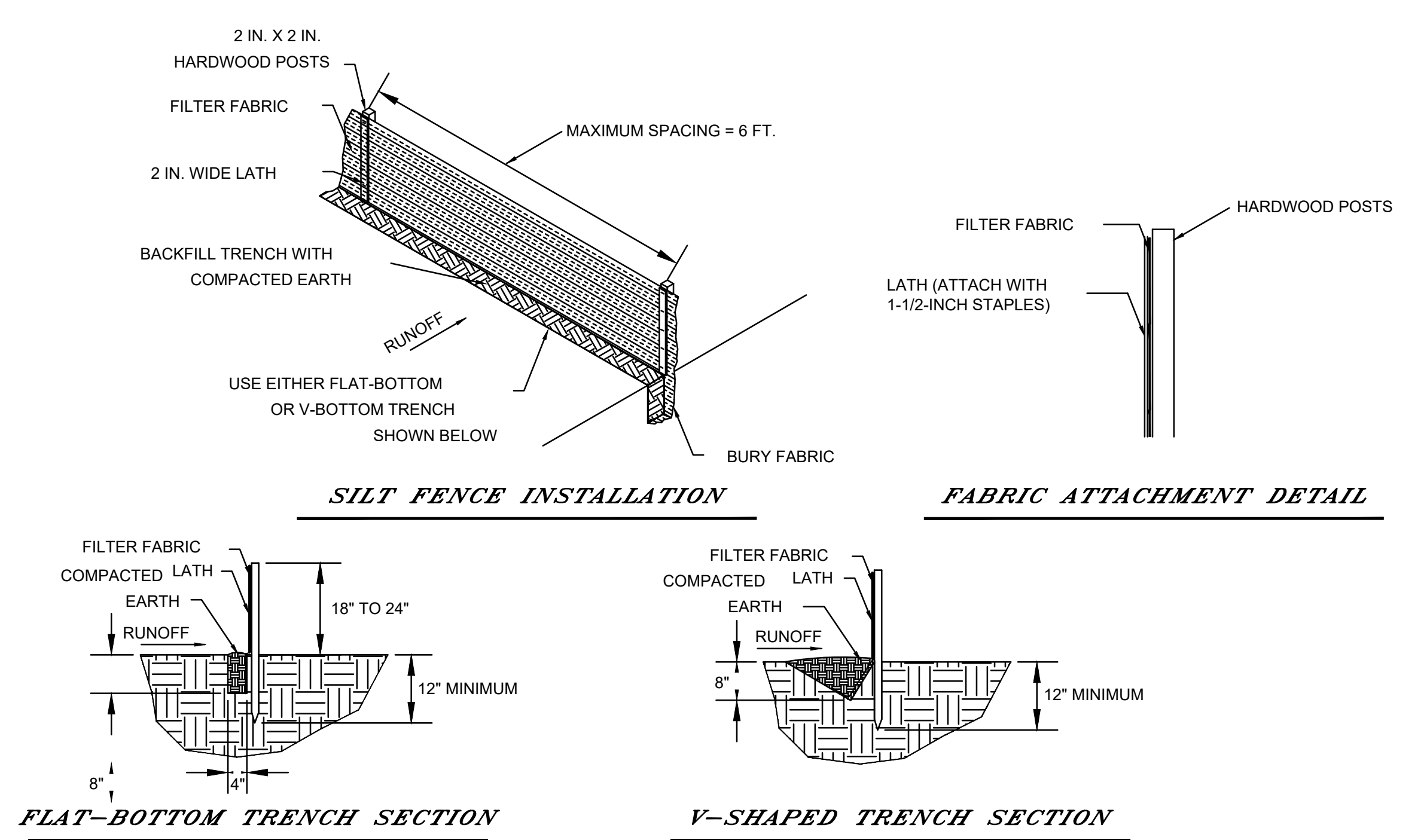
HANDICAP SIGN DETAIL

n.t.s



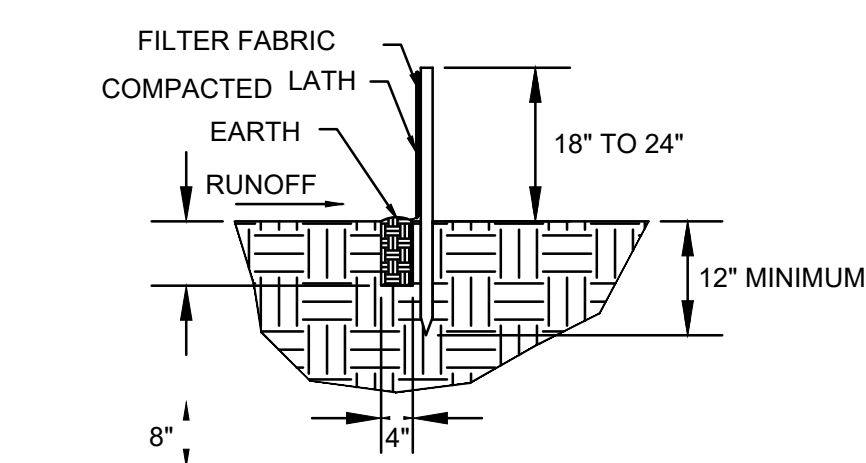
SIDEWALK HANDICAP RAMP

n.t.s

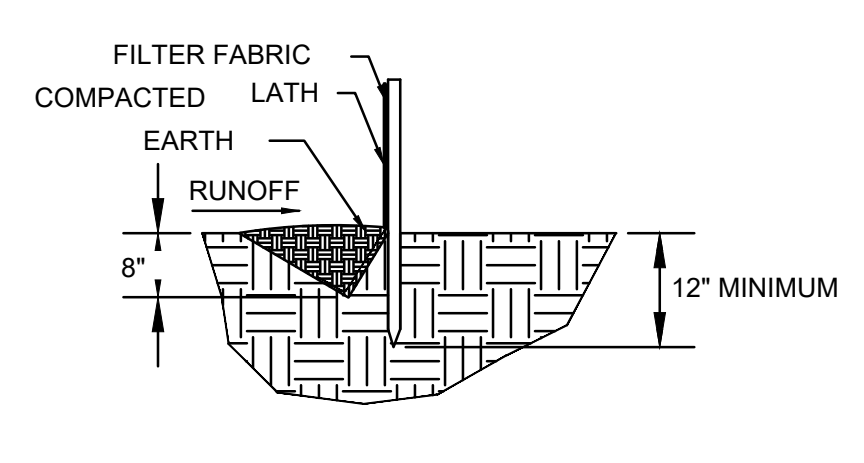


SILT FENCE INSTALLATION

FABRIC ATTACHMENT DETAIL



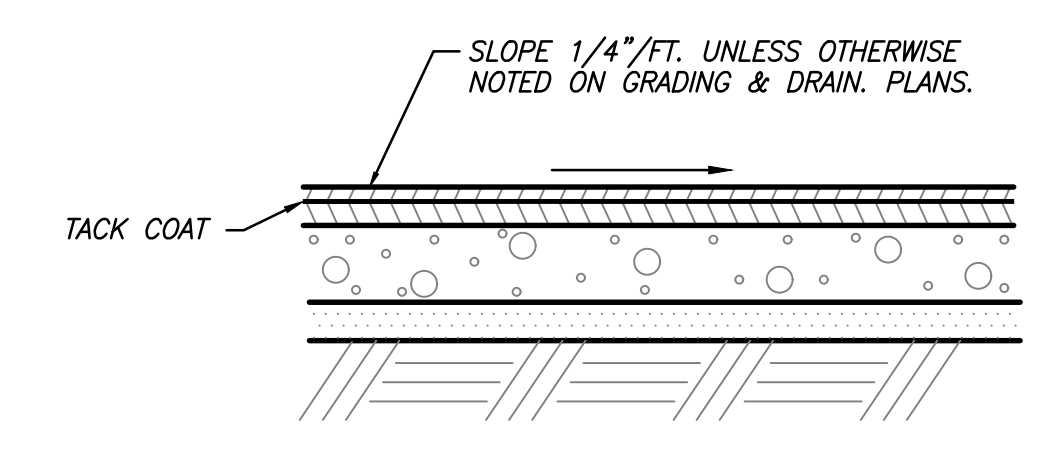
FLAT-BOTTOM TRENCH SECTION



V-SHAPED TRENCH SECTION

SILT FENCE

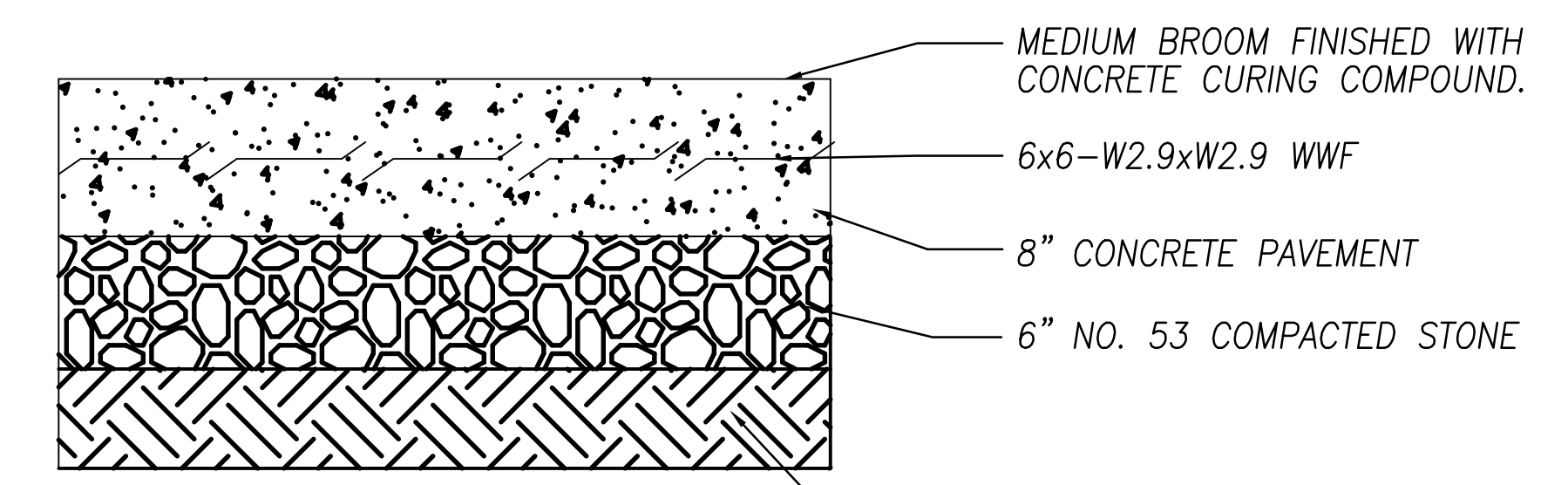
n.t.s



BITUMINOUS PAVEMENT SECTION

(TO BE USED ON SITE)

N.T.S



CONCRETE PAVEMENT

(TO BE USED ON SITE)

N.T.S

1-1/2" BITUMINOUS SURFACE MINIMUM
3" BITUMINOUS BINDER MINIMUM
4" DGA MINIMUM
6" #3 MINIMUM
COMPACTED SUBGRADE

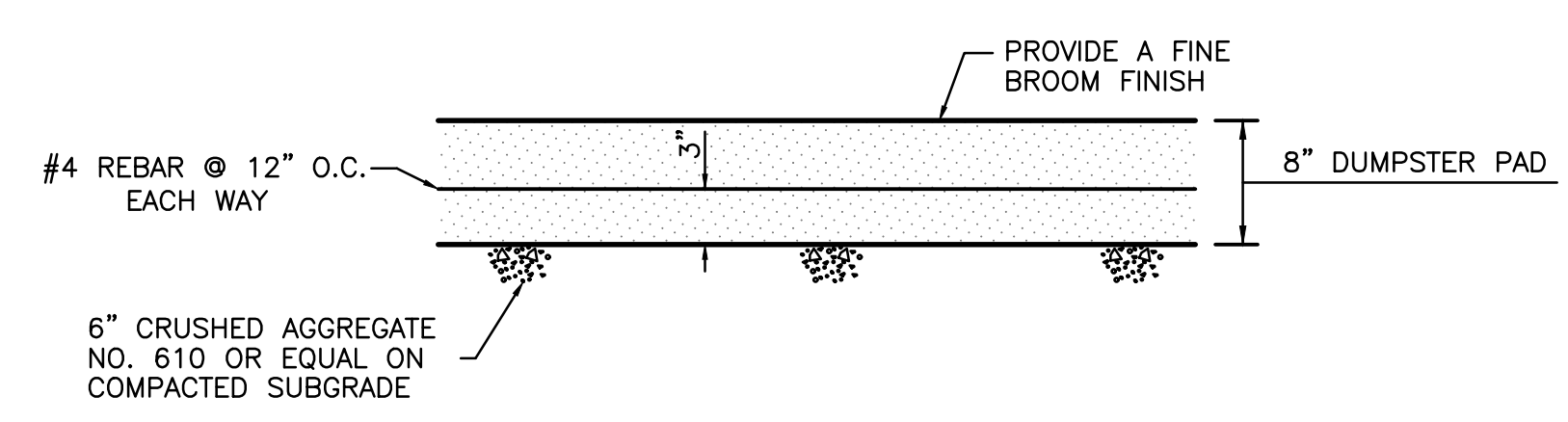
MEDIUM BROOM FINISHED WITH CONCRETE CURING COMPOUND.

6x6-W2.9xW2.9 WWF

8" CONCRETE PAVEMENT

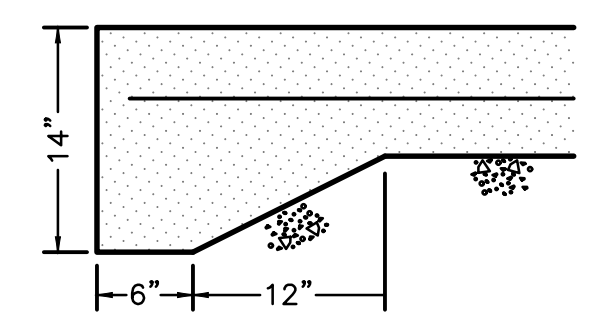
6" NO. 53 COMPACTED STONE

12" SUBGRADE COMPACTED TO 95% OF A STANDARD PROCTOR



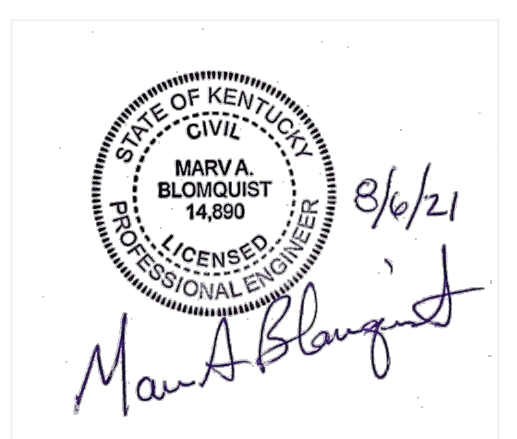
DUMPSTER PAD

n.t.s



DUMPSTER PAD EDGE DETAIL

n.t.s



DETAILS FOR DQ BRANDENBURG

ZONED C2 HIGHWAY COMMERCIAL
BYPASS ROAD KY 1051/ KY 313
BRANDENBURG, KY 40108
DEED BOOK 590, PAGE 441
PVA NO. 112-00-00-052

OWNER:
HARTLAGE DEVELOPMENT LLC
3320 CAMP GROUND ROAD
LOUISVILLE, KY 40211
DEVELOPER:
FOURTEEN FOODS
6442 CITY WEST PARKWAY, SUITE 400
EDEN PRAIRIE, MN 55344

BLOMQUIST DESIGN GROUP, LLC
10529 TIMBERWOOD CIRCLE SUITE "D"
LOUISVILLE, KENTUCKY 40223
PHONE: 502.429.0105 FAX: 502.429.6861
EMAIL: MARVBDG@AOL.COM

REVISIONS	SCALE: N.T.S.
	DRWN: KLV
	CKD: MAB
	DATE: AUGUST 5, 2021

NO. C-3

UTILITY NOTES:

THE PROPOSED UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE INTENDED AS SCHEMATIC ONLY. FINAL UTILITY LOCATIONS SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF UTILITY CONNECTIONS WITH THE APPROPRIATE UTILITY AGENCIES.

FOR CONTINUATION OF UTILITIES WITHIN FIVE (5) FEET OF THE PROPOSED BUILDING, REFER TO BUILDING ARCHITECTURAL PLANS.

CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

UTILITY LEGEND:

- GAS — GAS — PROPOSED GAS SERVICE LINE
- W — W — W — W — W — W — PROPOSED WATER SERVICE LINE
- E — E — E — E — E — E — PROPOSED ELECTRIC SERVICE LINE
- S — S — S — S — S — S — PROPOSED SANITARY SEWER
- T — T — T — T — T — T — PROPOSED TELEPHONE CONDUIT

TELEPHONE SERVICE NOTE:

CONTRACTOR SHALL COORDINATE LOCATION OF TELEPHONE SERVICE POINT WITH BRANDENBURG TELEPHONE COMPANY.

ELECTRIC SERVICE NOTE:

CONTRACTOR SHALL COORDINATE LOCATION OF ELECTRIC SERVICE POINT WITH THE MEADE COUNTY RURAL ELECTRIC COOP. ELECTRIC COMPANY. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO VERIFY CONDUIT SIZE AND NUMBER. CONTRACTOR SHALL REFER PARKING LOT LIGHTING PLAN FOR EXTERIOR LIGHTING LOCATIONS, NUMBER AND SIZE OF CONDUITS TO LIGHTS AND SIGNS AND FOR LOCATIONS OF THE LIGHTED ENTER AND EXIT SIGNS.

GAS SERVICE NOTE:

CONTRACTOR SHALL COORDINATE LOCATION OF GAS SERVICE POINT WITH LG&E.

WATER SERVICE NOTE:

CONTRACTOR SHALL COORDINATE LOCATION OF DOMESTIC SERVICE METER WITH THE CITY OF BRANDENBURG WATER WORKS.

SANITARY SEWER SERVICE NOTE:

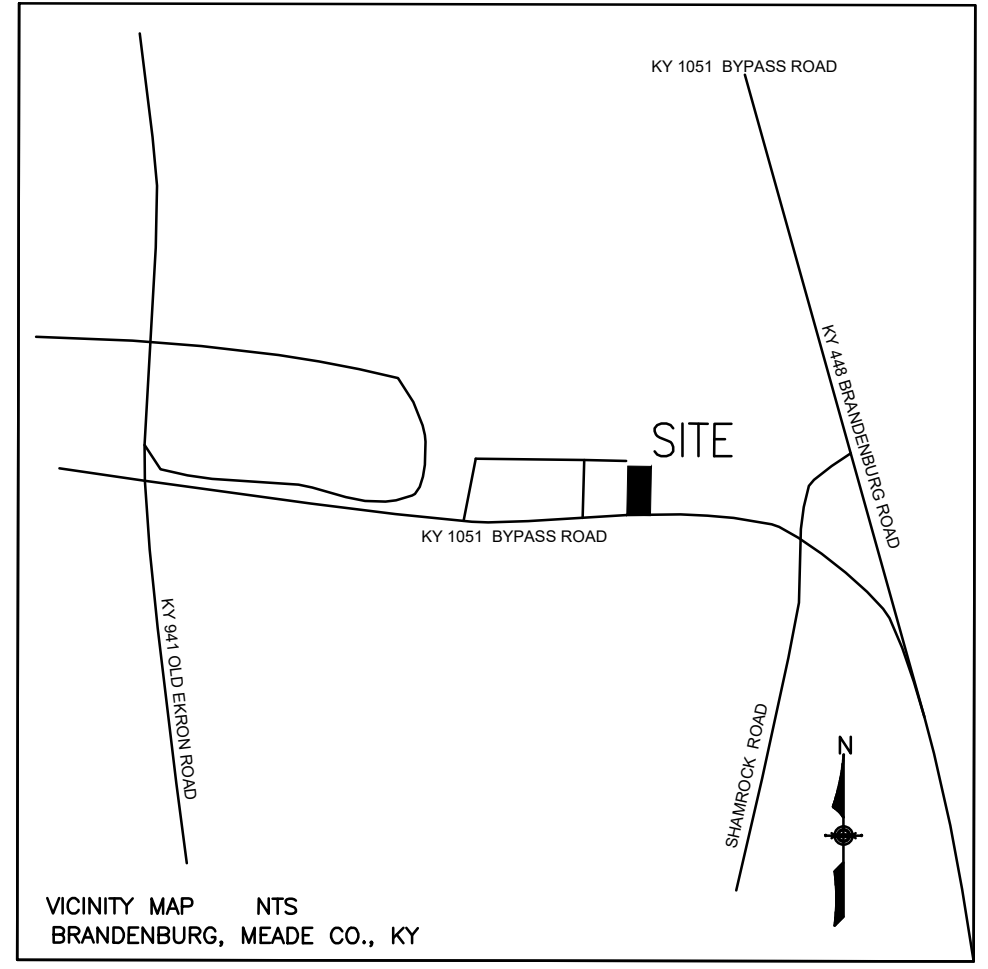
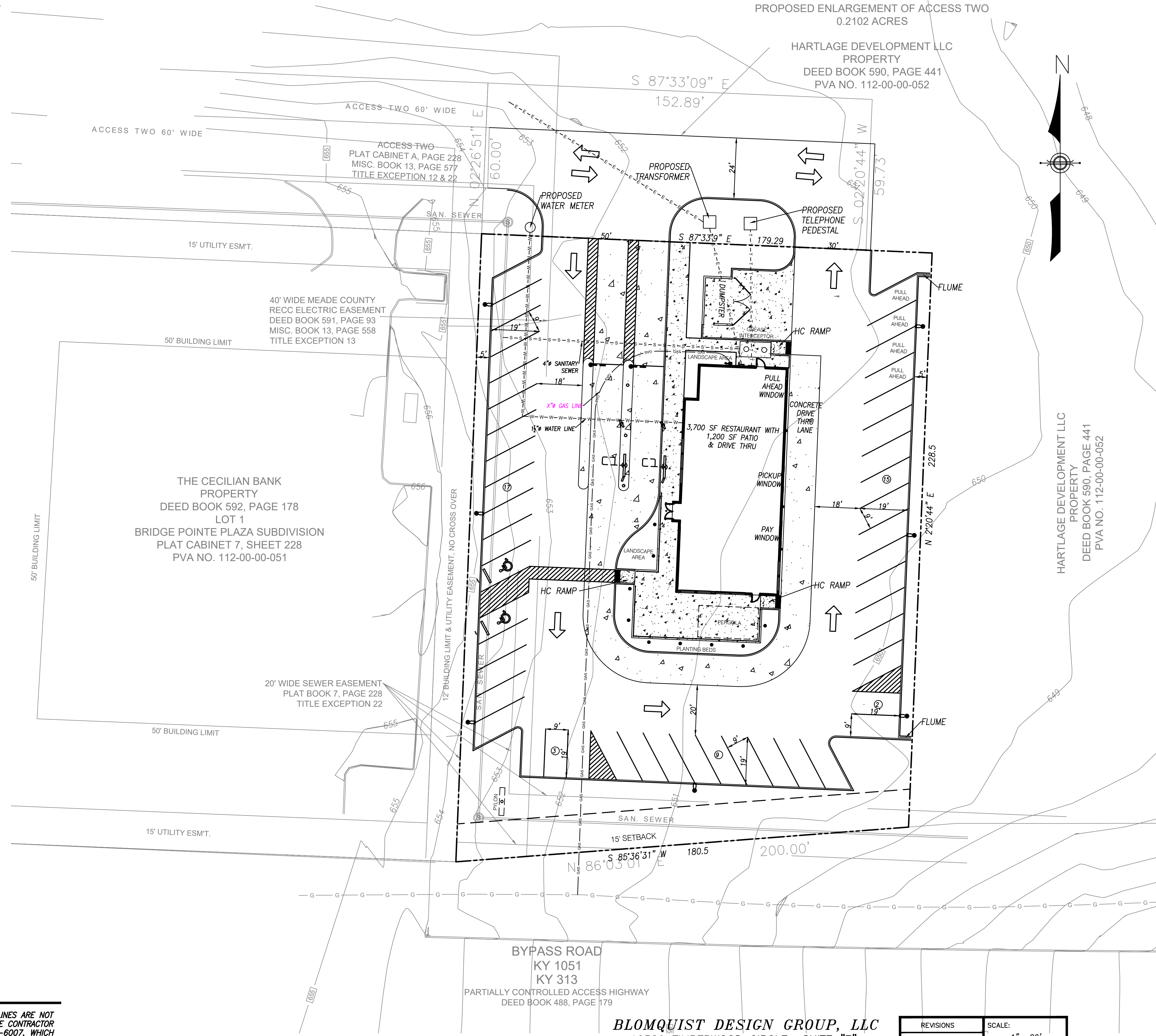
CONTRACTOR SHALL COORDINATE LOCATION OF EXISTING SANITARY SEWER CONNECTION POINT WITH CITY OF BRANDENBURG'S CUSTOMER SERVICE DEPARTMENT.

GENERAL NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING STORM AND SANITARY SEWER CONNECTIONS.

UTILITY PROTECTION NOTE:

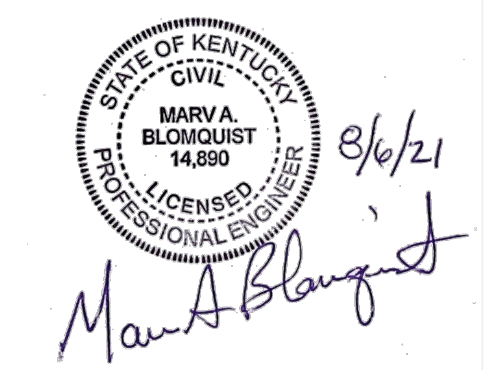
ALL UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN PRIOR TO ANY EXCAVATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY PROTECTION CENTER, BUD PHONE 1-800-752-6007, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF THE BELOW GROUND UTILITIES. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT.



VICINITY MAP
N.T.S.

FOOD, OIL, AND GREASE NOTES

- 1) ALL MULTI-UNIT RETAIL AND COMMERCIAL DEVELOPMENT SHALL COMPLY WITH MSD'S WASTEWATER/STORMWATER DISCHARGE REGULATIONS (WDR) AND MSD'S FATS, OILS & GREASE (FOG) MANAGEMENT POLICY.
- 2) ALL MULTI-UNIT RETAIL AND COMMERCIAL DEVELOPMENT SHALL CONTACT MSD PRIOR TO CONDUCTING PRIVATE PLUMBING WORK AT THE MULTI-UNIT SITE.
- 3) ALL FOOD SERVICE ESTABLISHMENTS (FSE) SHALL COMPLY WITH ALL REQUIREMENTS OF THE WDR AND FOG MANAGEMENT POLICY AND ARE SUBJECT TO ENFORCEMENT ACTIONS IN THE MSD ENFORCEMENT RESPONSE PLAN (ERP).
- 4) MSD OR AN AUTHORIZED REPRESENTATIVE SHALL INSPECT ALL MULTI-UNIT RETAIL AND COMMERCIAL DEVELOPMENTS WITH FOOD SERVICE ESTABLISHMENTS (FSE) FOR PROPER INSTALLATION OF GREASE INTERCEPTOR (GI).



UTILITY PLAN

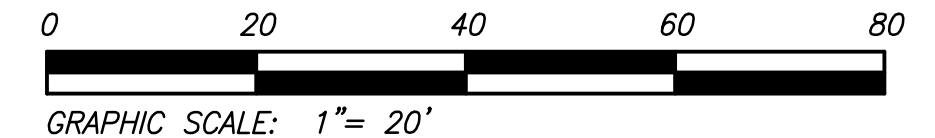
FOR
ZONED C2 HIGHWAY COMMERCIAL
BYPASS ROAD KY 1051/ KY 313
BRANDENBURG, KY 40108
DEED BOOK 590, PAGE 441
PVA NO. 112-00-00-052

OWNER:
HARTLAGE DEVELOPMENT LLC
3320 CAMP GROUND ROAD
LOUISVILLE, KY 40211

DEVELOPER:
FOURTEEN FOODS
6442 CITY WEST PARKWAY, SUITE 400
EDEN PRAIRIE, MN 55344

NO.

C-4



BLOMQUIST DESIGN GROUP, LLC
10529 TIMBERWOOD CIRCLE SUITE "E"
LOUISVILLE, KENTUCKY 40223
PHONE: 429.0105 FAX: 429.6861
EMAIL: MARVBDG@AOL.COM

REVISIONS	SCALE: 1" = 20'
	DRWN: KLW
	CKD: MAB
	DATE: AUGUST 5, 2021

PLANT SCHEDULE

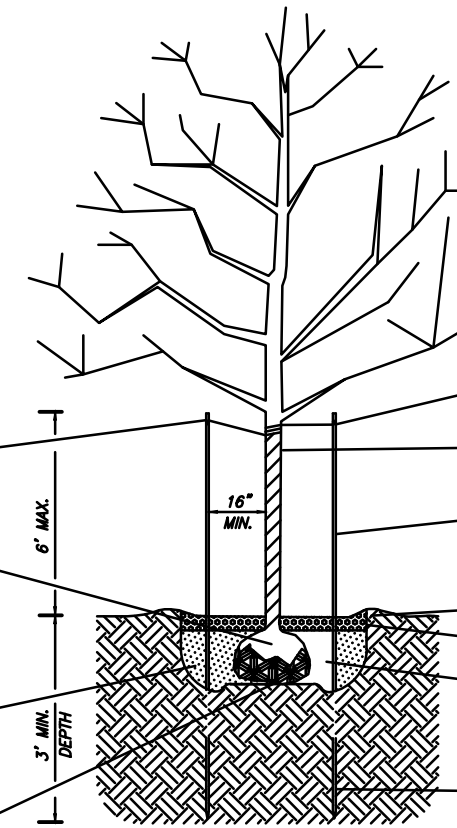
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
ZELK	3	Zelkova serrata	Zelkova	1 3/4"-2" CAL. B&B, 4 FT. HT.
TILI	2	Tilia tomentosa	Silver Linden	1 3/4"-2" CAL. B&B, 4 FT. HT.

LANDSCAPING NOTES

- ALL PLANT MATERIAL TO MEET AND BE INSTALLED ACCORDING TO AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.
- MULCH SHALL BE DOUBLE PROCESSED HARDWOOD OR BETTER.
- SEED AND STRAW OR SOD SHALL BE FESCUE BLEND.
- PLANTS AND INSTALLATION ARE SUBJECT TO INSPECTION.
- ALL REMAINING LBA TO BE SEED AND STRAW OR SOD.
- GRASS OR GROUND COVER SHALL BE PLANTED ON ALL PORTIONS OF THE LANDSCAPE BUFFER AREA NOT OCCUPIED BY OTHER LANDSCAPE MATERIAL.
- THE GROUND PLANE OF ALL INTERIOR LANDSCAPE ISLANDS SHALL BE PLANTED USING EITHER SHRUBS, GROUNDCOVER, OR TURF.
- ALL PLANT MATERIAL LOCATED WITHIN A UTILITY EASEMENT THAT IS DAMAGED OR REMOVED DUE TO WORK REQUIRED BY THE UTILITY COMPANY SHALL BE IMMEDIATELY REPLACED BY THE OWNER IN ACCORDANCE WITH CHAPTER 10 REQUIREMENTS.
- ALL SERVICE STRUCTURES SHALL BE SCREENED IN ACCORDANCE WITH CHAPTER 10. SERVICE STRUCTURES INCLUDE BUT ARE NOT LIMITED TO: PROPANE TANKS, DUMPSTERS, HVAC UNITS, ELECTRIC TRANSFORMERS, TELECOM BOXES, ETC.
- IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO PERPETUALLY MAINTAIN ALL LANDSCAPE AREAS AND ASSOCIATED PLANT MATERIAL REQUIRED UNDER LAND DEVELOPMENT CODE REGULATIONS. THE PROPERTY OWNER SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE VERGE AND ASSOCIATED TREES WITHIN THE VERGE UNLESS THE AGENCY HAVING JURISDICTION OVER THE VERGE ASSUMES THAT RESPONSIBILITY.
- ALL UNHEALTHY OR DEAD PLANT MATERIAL SHALL BE REPLACED WITHIN ONE YEAR, OR BY THE NEXT PLANTING PERIOD, WHICHEVER COMES FIRST, WHILE OTHER DEFECTIVE PLANT MATERIAL SHALL BE REPLACED OR REPAIRED WITHIN THREE (3) MONTHS.
- SHRUBS SHALL BE PLANTED NO CLOSER THAN 5 FEET FROM BACK OF CURB OR EDGE OF PAVEMENT ALONG PARKING STALLS.
- LIGHT POLES, SIDEWALKS, BENCHES, ETC. SHALL NOT OCCUPY MORE THAN 25% OF ANY INTERIOR LANDSCAPE AREA (ILA) OR REDUCE THE WIDTH OF ANY PLANTED AREA TO LESS THAN 4 FEET. CONTRACTOR TO COORDINATE LIGHT POLE LOCATIONS WITH LANDSCAPE PLAN. LIGHT POLES SHALL NOT BE IN CONFLICT WITH PROPOSED PLANTINGS.

UTILITY NOTE

ALL UTILITIES ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER KENTUCKY 811 (TOLL FREE PHONE NO. 1-800-752-6007) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES). WHEN CONTACTING THE KENTUCKY 811 CALL CENTER, PLEASE STATE THE WORK TO BE DONE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS AND IN THE TECHNICAL SPECIFICATIONS & SPECIAL PROVISIONS.



FOR TREES 2-1/2" CAL OR LESS, INSTALL 2"x2" STAKES W/2-#14 GALV. WIRES ENCASED IN RUBBER HOSE. STAKES SHALL BE A MIN. 8' LONG, HARDWOOD OR CEDAR.

BEGIN WIRE 2"-6" BELOW TOP OF STAKE. TWIST WIRE ENDS.

REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL POSITION SO THAT 1/8 OF ROOT BALL IS ABOVE EXISTING GRADE.

MINIMUM 6" PLANTING SOIL MIX. SEE LANDSCAPE SPECS.

CENTER OF PLANTING PIT HIGHER (6" MIN.) THAN EDGES FOR DRAINAGE.

APPLY APPROVED TREE WRAP UP TO FIRST MAJOR BRANCH.

2-TREATED WOODEN POSTS AT 180° FOR TREES OVER 2-1/2" CAL.

SAUCER TO RETAIN WATER

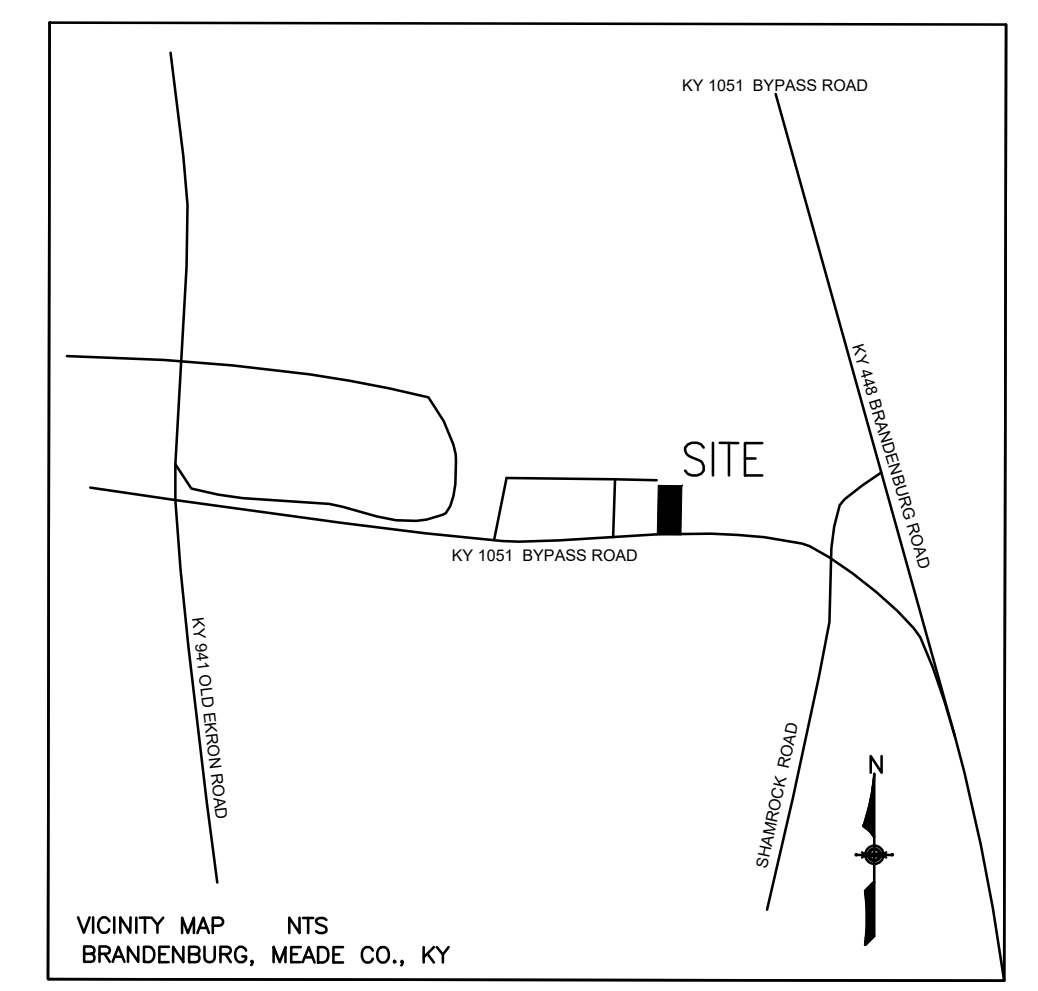
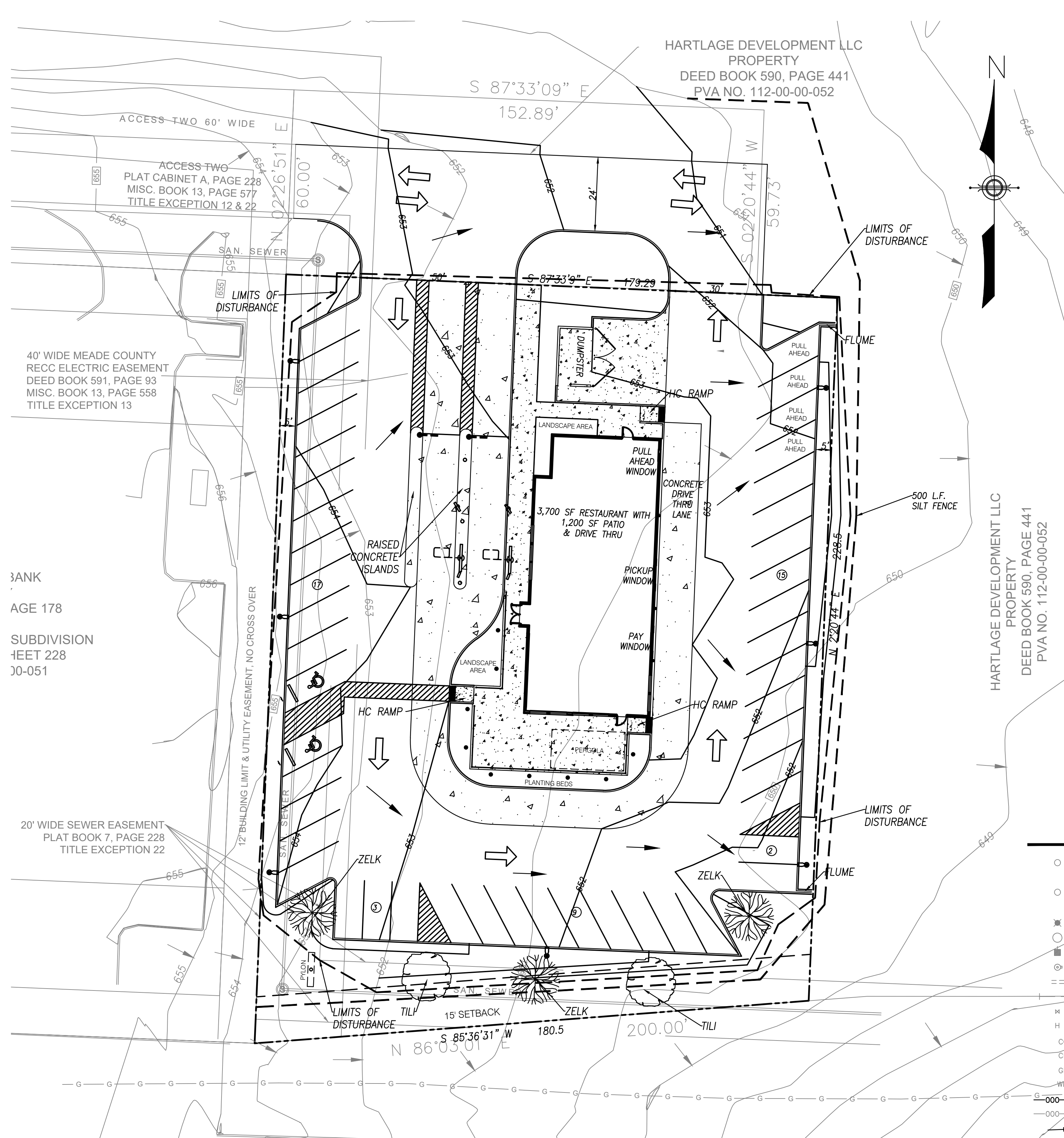
MINIMUM 4" APPROVED MULCH

MINIMUM 12" SIDE CLEARANCE

STAKES SHALL PENETRATE A MIN. 6" INTO UNDISTURBED SOIL.

DECIDUOUS TREE PLANTING

N.T.S.



VICINITY MAP
N.T.S.

SITE DATA CHART

EXISTING ZONE.....	C2 HIGHWAY COMMERCIAL
EXISTING USE.....	VACANT
PROPOSED USE.....	RESTAURANT WITH DRIVE THRU
PROPERTY AREA.....	0.985 ACRES (42,896 S.F.)
PROPOSED BUILDING S.F.	3,700 S.F. + 1,200 S.F. OUTDOOR PATIO= 4,900 S.F. TOTAL
PROVIDED PARKING.....	46, INCL. 2 ADA

LEGEND

○ IP	1/2" DIAMETER STEEL REINFORCING BAR WITH ORANGE PLASTIC CAP STAMPED "W 2852" SET	— GM —	GAS MAIN
○ PKF	PARKER-KALON NAIL WITH BRASS WASHER STAMPED "2852", SET PREVIOUS SURVEY	●	EXISTING POLE
⊙	LIGHT POLE	⊙	TELEPHONE POLE
⊙	SANITARY/STORM MANHOLE	⊙	POLE ANCHOR
⊙	POWER POLE	⊙	TREE/SHRUB
⊙	FIRE HYDRANT	— X —	FENCE
—	GRAVITY SANITARY SEWER LINE / STORM SEWER	⊙	MONITORING WELL
—	WATER LINE	⊙	WATER METER
—	WATER VALVE	— T —	BURIED TELEPHONE/FIBER OPTIC GUARDRAIL
H	PHYSICALLY CHALLENGED PARKING SPACE	— E —	OVERHEAD UTILITY LINE
CO	CLEAN OUT	—	INTERIOR PROPERTY LINE
CLF	CHAIN LINK FENCE	CB	CURB BOX INLET
GM	GAS METER	DBI	DROP BOX INLET
WM	WATER METER	⊙	TEMPORARY BENCHMARK
— 000 —	PROPOSED CONTOUR	⊙	EXISTING PLANTING
— 000 —	EXISTING CONTOUR	TPF	TREE PROTECTION FENCE
→	PROPOSED DRAINAGE ARROW	⊙	PROPOSED PLANTING
→	EXISTING DRAINAGE ARROW		
LBA	LANDSCAPE BUFFER AREA		
PBA	PARKWAY BUFFER AREA		

STATE OF KENTUCKY
MARVA BLOMQUIST
LICENSED PROFESSIONAL ENGINEER
8/6/21
Marva Blomquist

BLOMQUIST DESIGN GROUP, LLC
10529 TIMBERWOOD CIRCLE SUITE "D"
LOUISVILLE, KENTUCKY 40223
PHONE: 502.429.0105 FAX: 502.429.6861
EMAIL: MARVBDG@AOL.COM

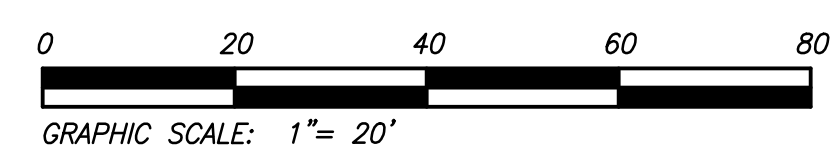
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	1" = 20'
	DRWN: KLV
	CKD: MAB
	DATE:
	AUGUST 5, 2021

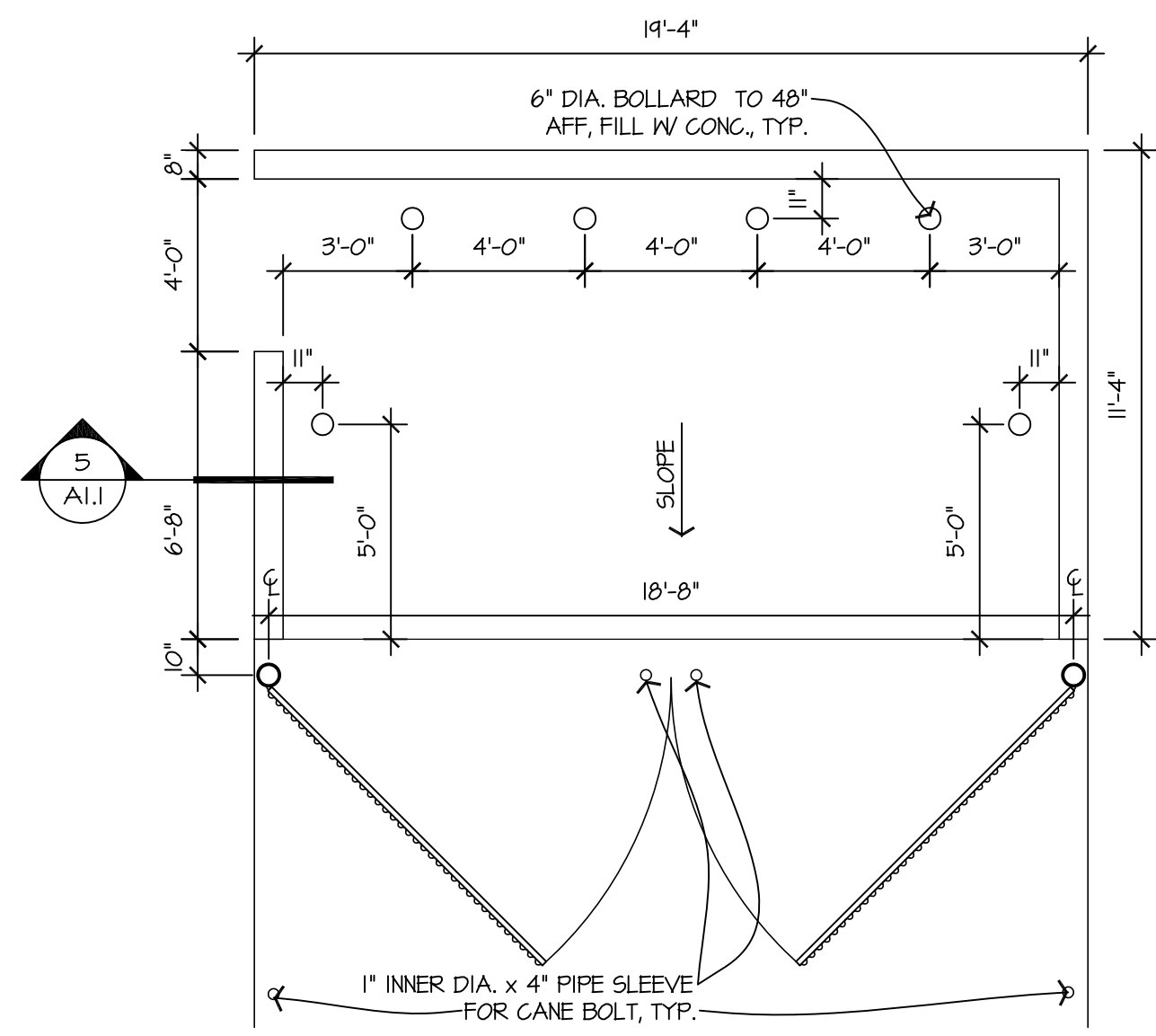
LANDSCAPE PLAN FOR DO BRANDENBURG
ZONED C2 HIGHWAY COMMERCIAL
BYPASS ROAD KY 1051/ KY 313
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DEED BOOK 590, PAGE 441
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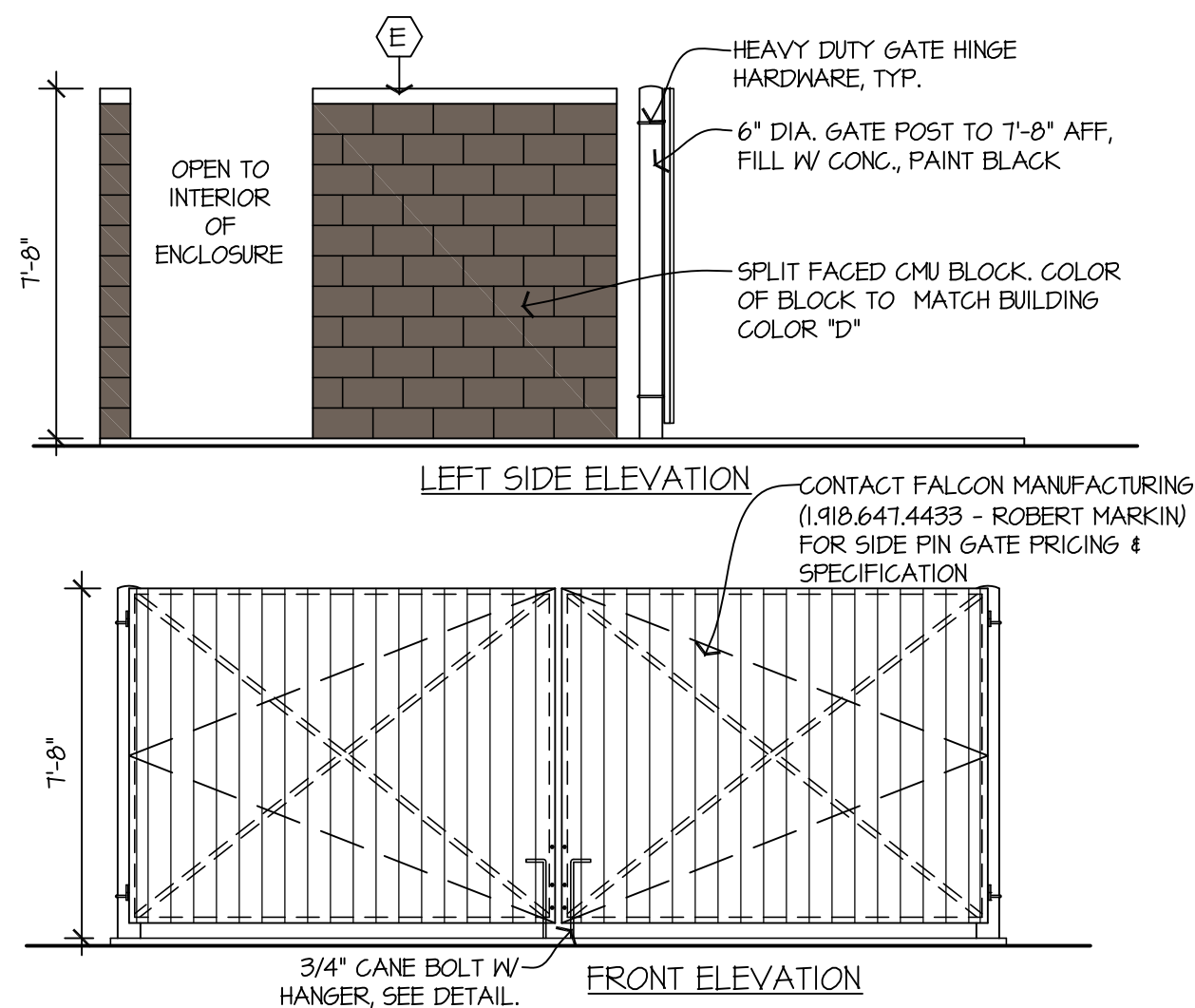
DEVELOPER:
FOURTEEN FOODS
6442 CITY WEST PARKWAY, SUITE 400
EDEN PRAIRIE, MN 55344

NO.
L-1

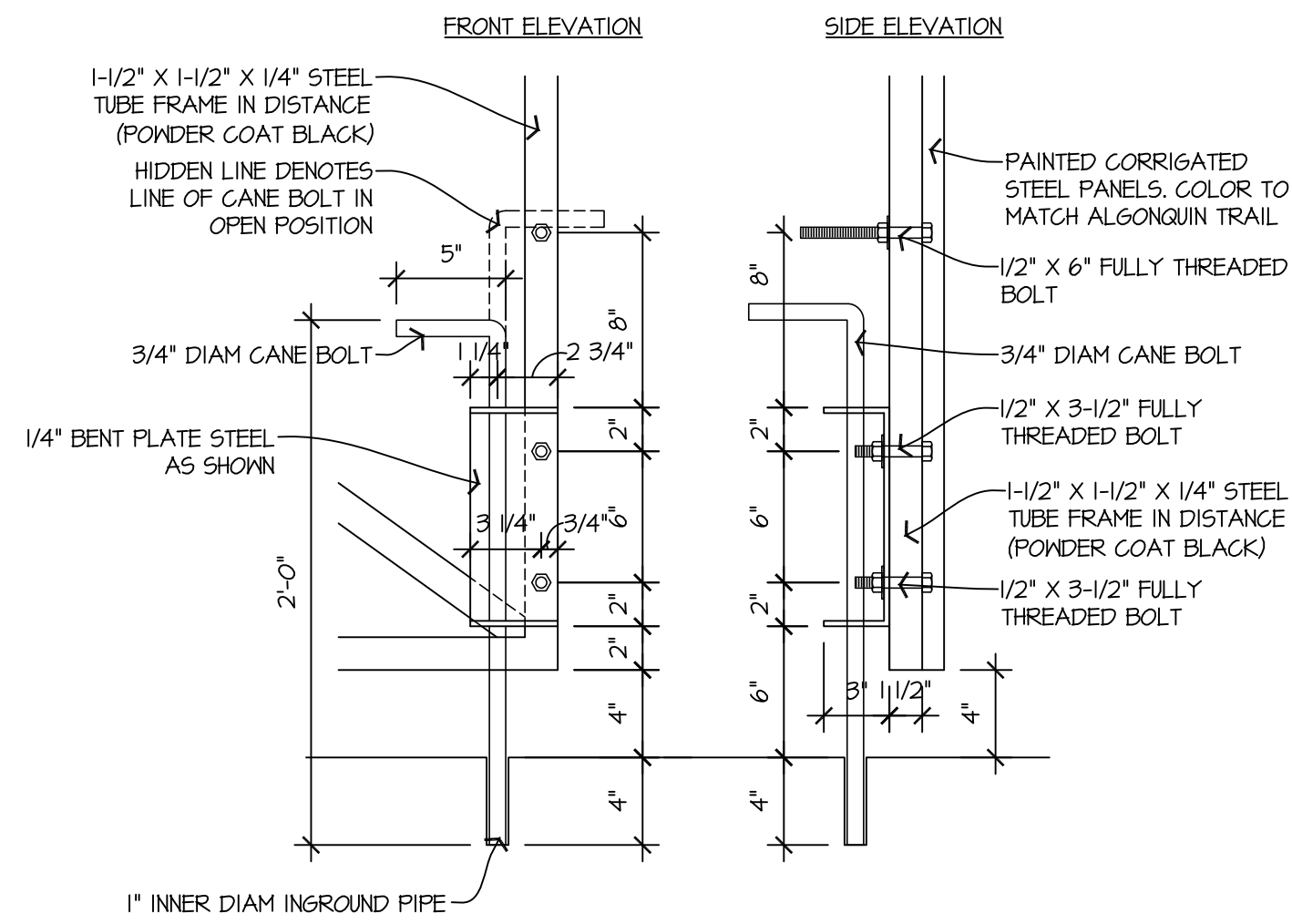




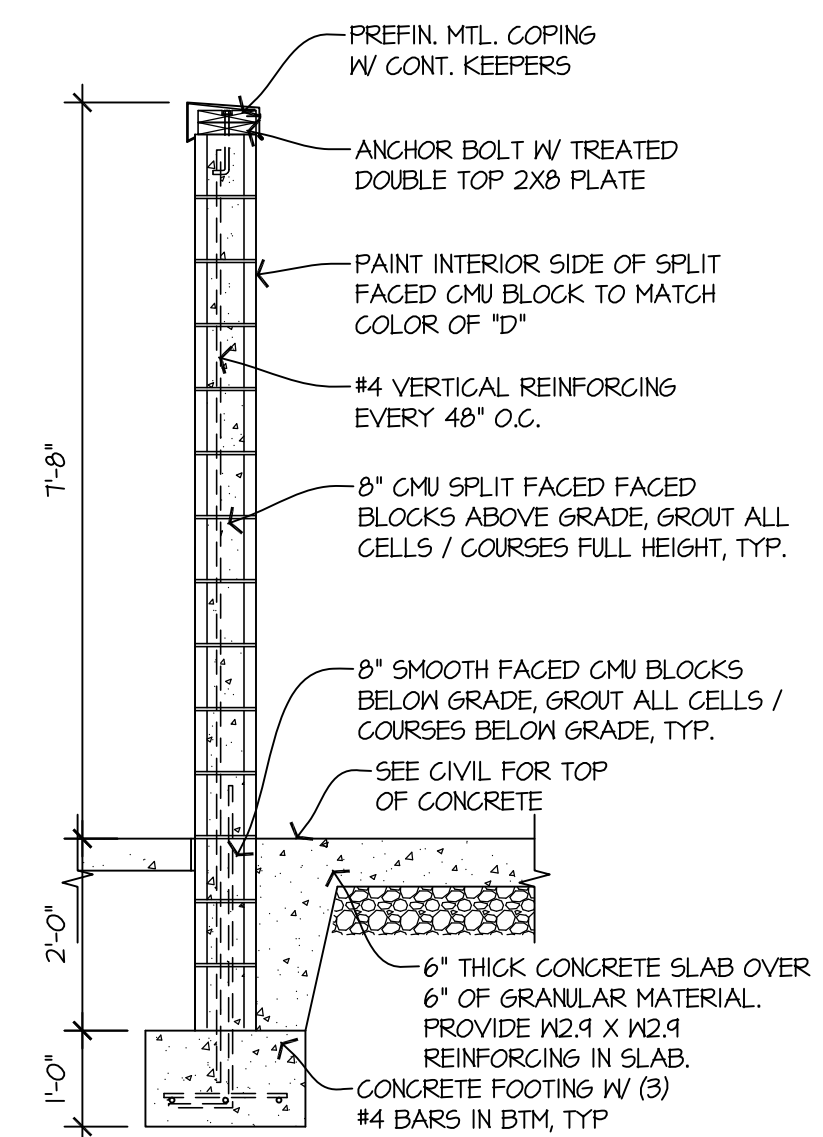
2 TRASH ENCLOSURE PLAN
A.I.1 SCALE: 1/4" = 1'-0"



3 TRASH ENCLOSURE ELEVATIONS
A.I.1 SCALE: 1/4" = 1'-0"



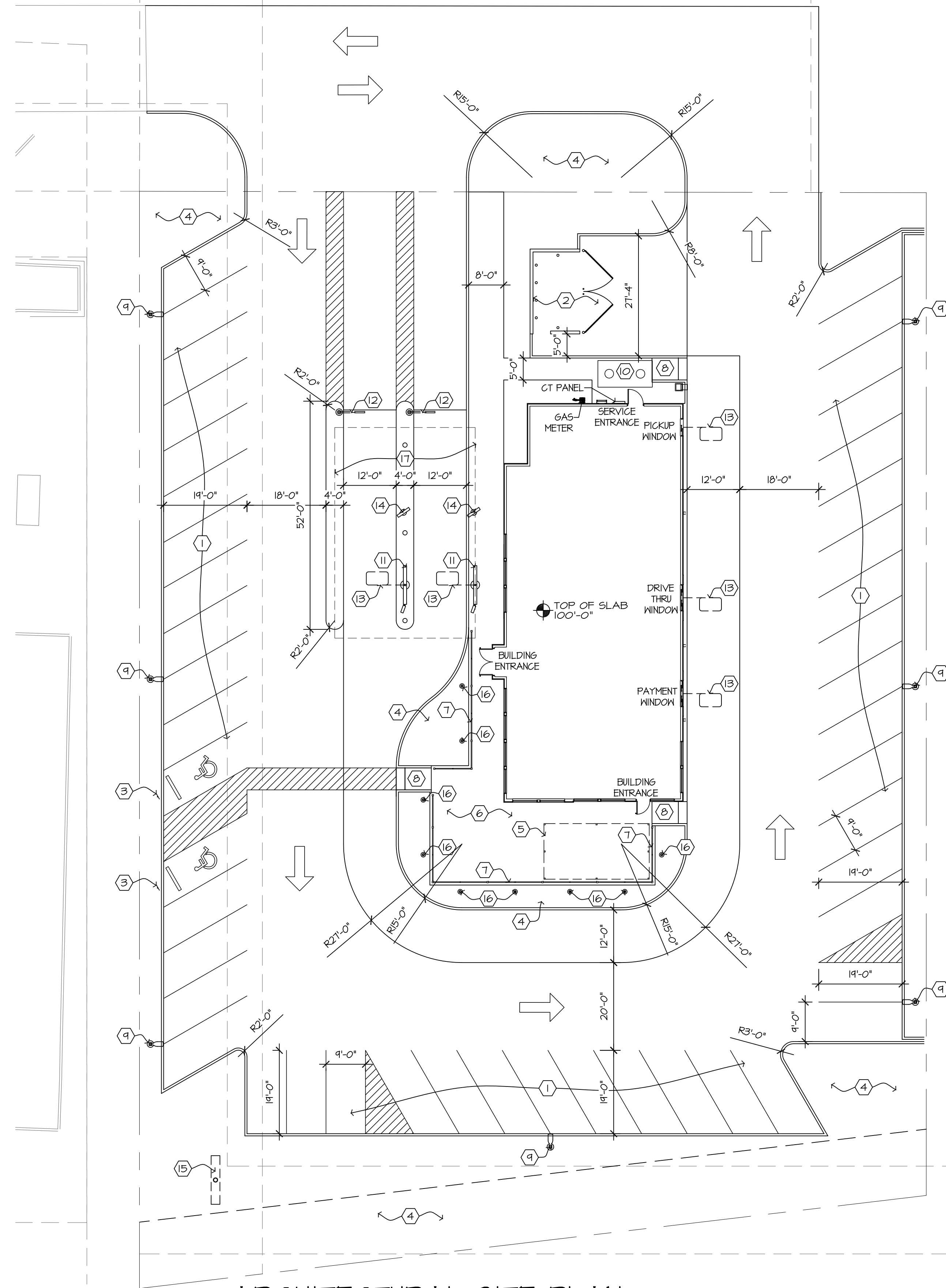
4 GAIN BOLT & HANGER DETAIL
A.I.1 SCALE: 1-1/2" = 1'-0"



5 TRASH ENCLOSURE SECTION
A.I.1 SCALE: 1/2" = 1'-0"

SITE PLAN NOTES

- REFER TO DRAWINGS PREPARED BY THE CIVIL ENGINEER, ELECTRICAL, & PLUMBING ENGINEER FOR FURTHER CLARIFICATION.
- ① PARKING LOT STRIPING COLOR TO BE "SAFETY YELLOW". HANDICAPPED STALL PICTOGRAM COLOR TO BE BLUE.
 - ② TRASH ENCLOSURE SEE: 2/A1.1 & 3/A1.1
 - ③ ACCESSIBLE PARKING SIGNAGE, SEE DETAIL 8/A1.2
 - ④ LANDSCAPING TO BE BY OWNER. SEE SPECIFICATIONS FOR STRIPPING, STOCKPILING AND PLACEMENT OF TOPSOIL TO BE REUSED ON SITE.
 - ⑤ NEW OMNIMAX PERGOLA AT THIS LOCATION. SEE SUPPLIERS SHOP DRAWINGS FOR FURTHER CLARIFICATION. CONTRACTOR TO PROVIDE POWER TO PERGOLA AS NEEDED.
 - ⑥ CONCRETE PATIO: PATIO FINISH TO BE BROOM FINISHED CONCRETE WITH TOOLED JOINTS MAX @ 8'-0" EA. WAY TYPICAL, SLOPE AWAY FROM BUILDING 1/8" PER FOOT.
 - ⑦ PATIO FENCE RAILING AT FRONT ENTRY. SEE DETAIL 5/A1.2. PATIO FENCE RAILING TO BE SUPPLIED & INSTALLED BY CONTRACTOR.
 - ⑧ CURB RAMP, SEE CIVIL DETAILS
 - ⑨ LIGHT POLE, SEE DETAIL 9/A1.2 AND ELECTRICAL SITE PLAN
 - ⑩ NEW UNDER GROUND GREASE INTERCEPTOR, SEE CIVIL AND PLUMBING DRAWINGS FOR FURTHER CLARIFICATION.
 - ⑪ MENU BOARD SEE 11/A1.2 & SHEET A3.3
 - ⑫ CLEARANCE SIGN SEE 16/A1.2
 - ⑬ LOOP INDUCTION SYSTEM SEE 11/A1.2 OR 3/A1.2
 - ⑭ PREVIEW BOARD, SEE DETAIL 14/A1.2 & SHEET A3.3
 - ⑮ NEW Pylon SIGN SIGNAGE CONTRACTOR TO VERIFY SETBACK REQUIREMENT PRIOR TO INSTALL. SIGNAGE PROVIDER TO VERIFY ALLOWABLE SIGNAGE AREA.
 - ⑯ PATIO LIGHTING, SEE DETAIL 10/A1.2
 - ⑰ 32'-0" x 48'-0" OVERHEAD CANOPY AT THIS LOCATION.



1 ARCHITECTURAL SITE PLAN
A.I.1 SCALE: 1/16" = 1'-0"



AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.
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FOURTEEN FOODS SITE/SITE SIGNAGE

Approved Approved as Noted

Matt Fraunshuh
Doug Hellerud
Paul Schmidt



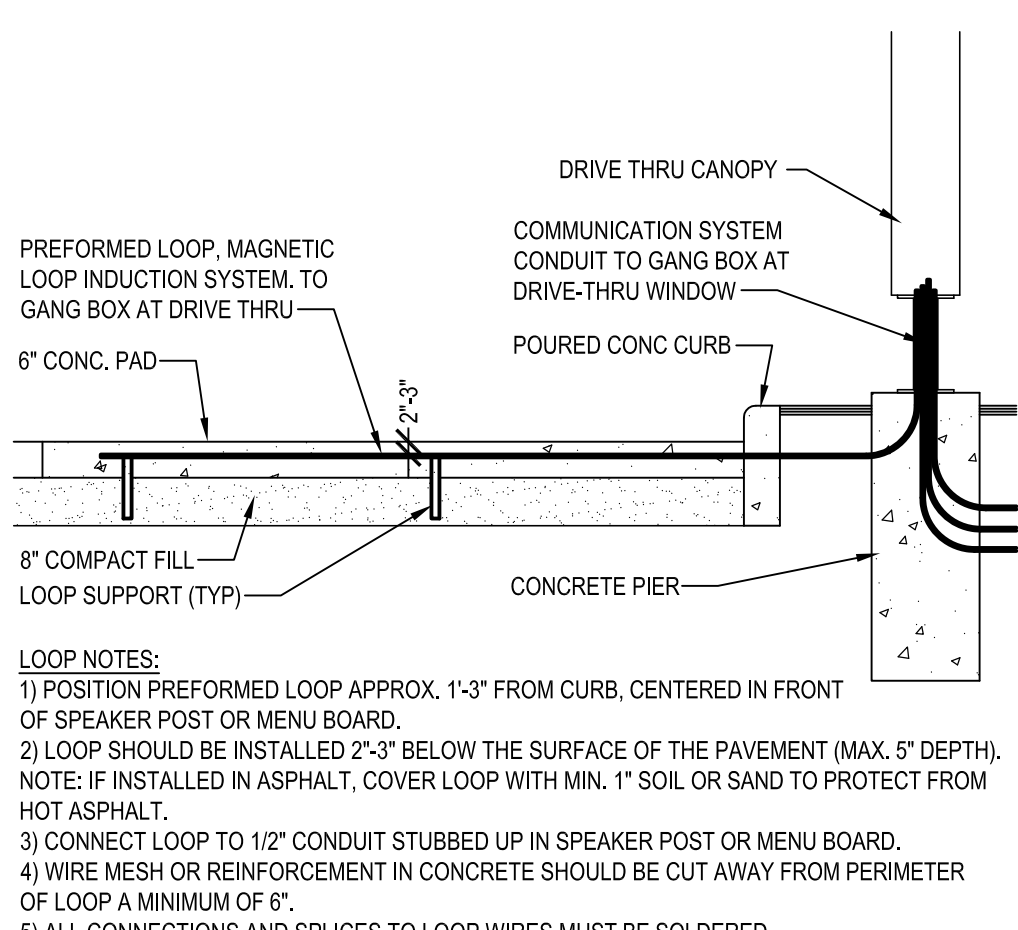
KENTUCKY ARCHITECT LICENSE NUMBER
7240

SPECIAL NOTICES
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ISSUE DATE: 09/03/21
REVISION DATE:
09/03/21 ORIGINAL ISSUE

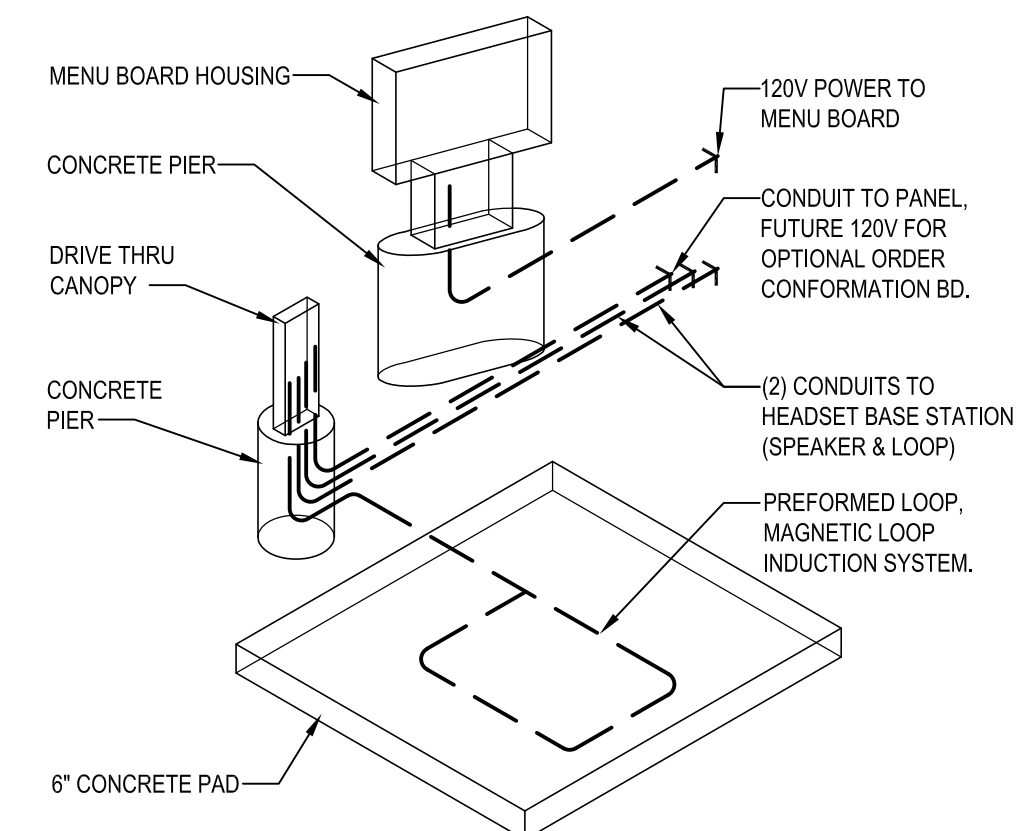
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A1.1



1 INDUCTION LOOP SECTION

A1.2 N.T.S.

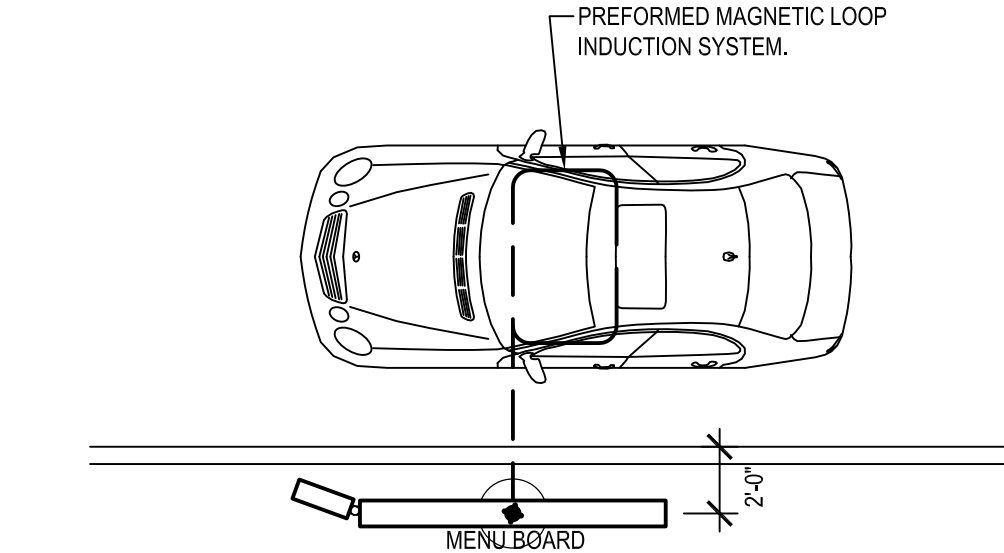


3 INDUCTION LOOP ISOMETRIC

A1.2 N.T.S.

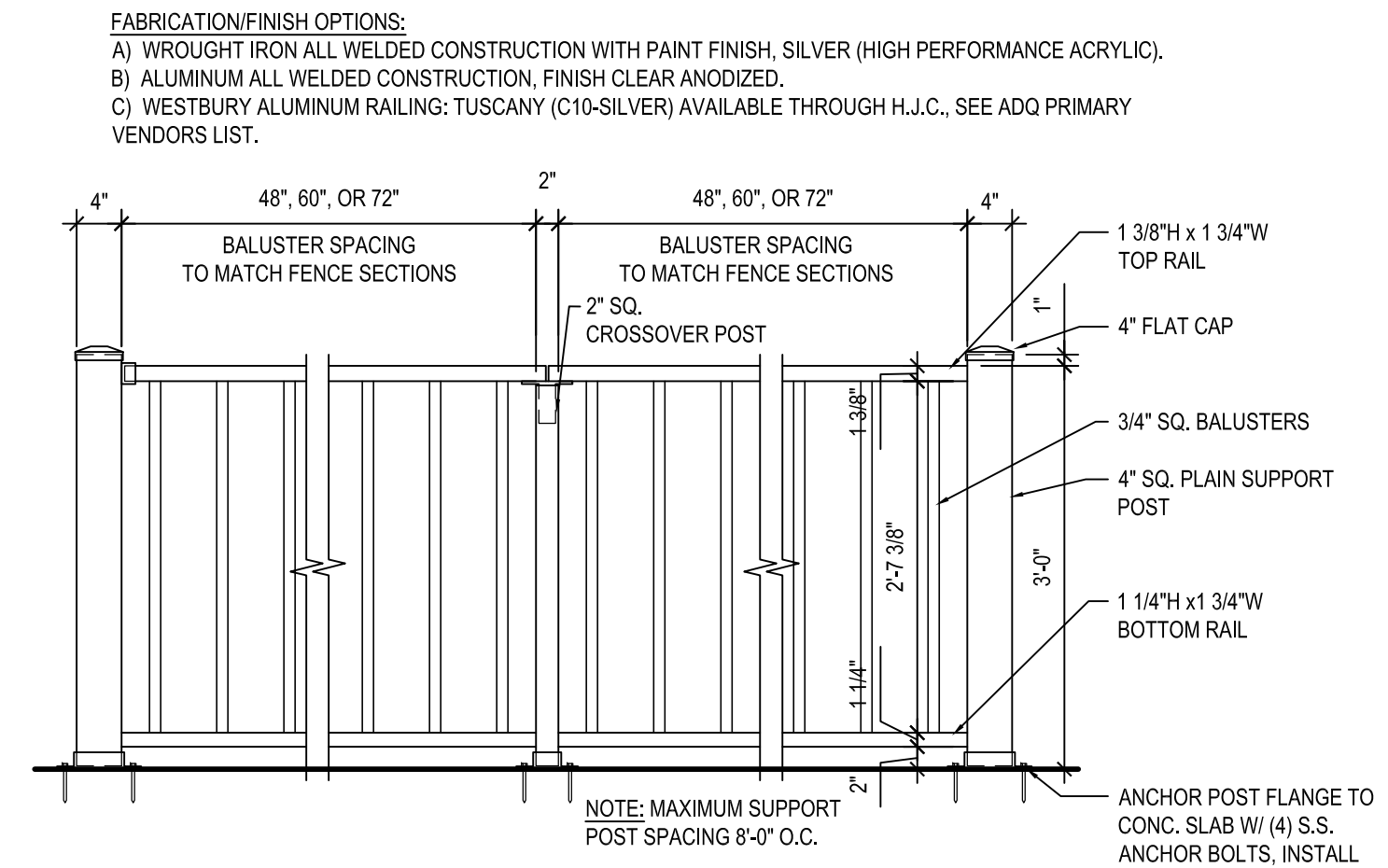
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A1.2



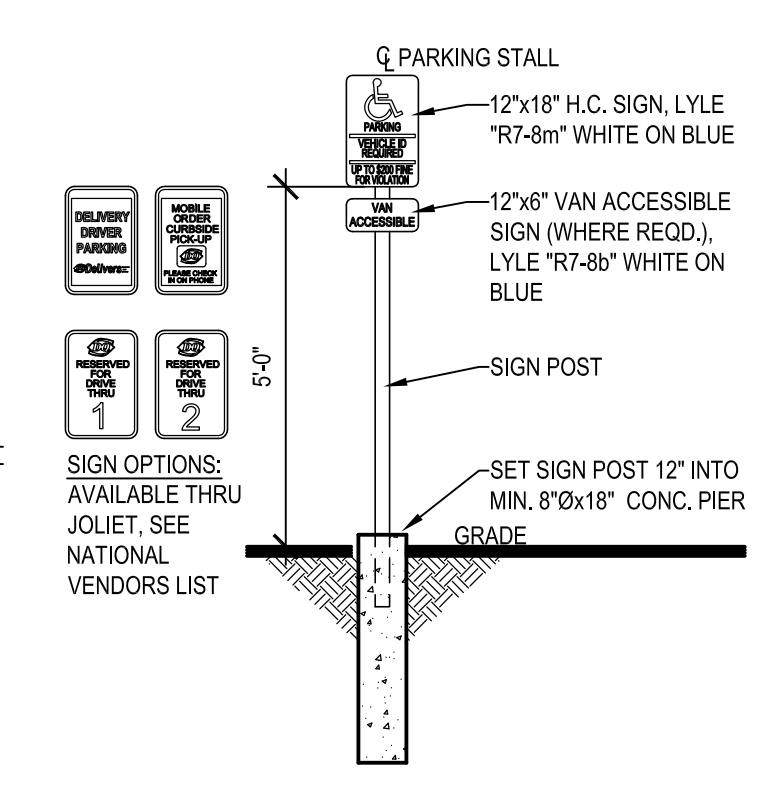
4 MENU BOARD LOCATION

A1.2 N.T.S.



5 PATIO RAILING

A1.2 SCALE: 3/8" = 1'-0"

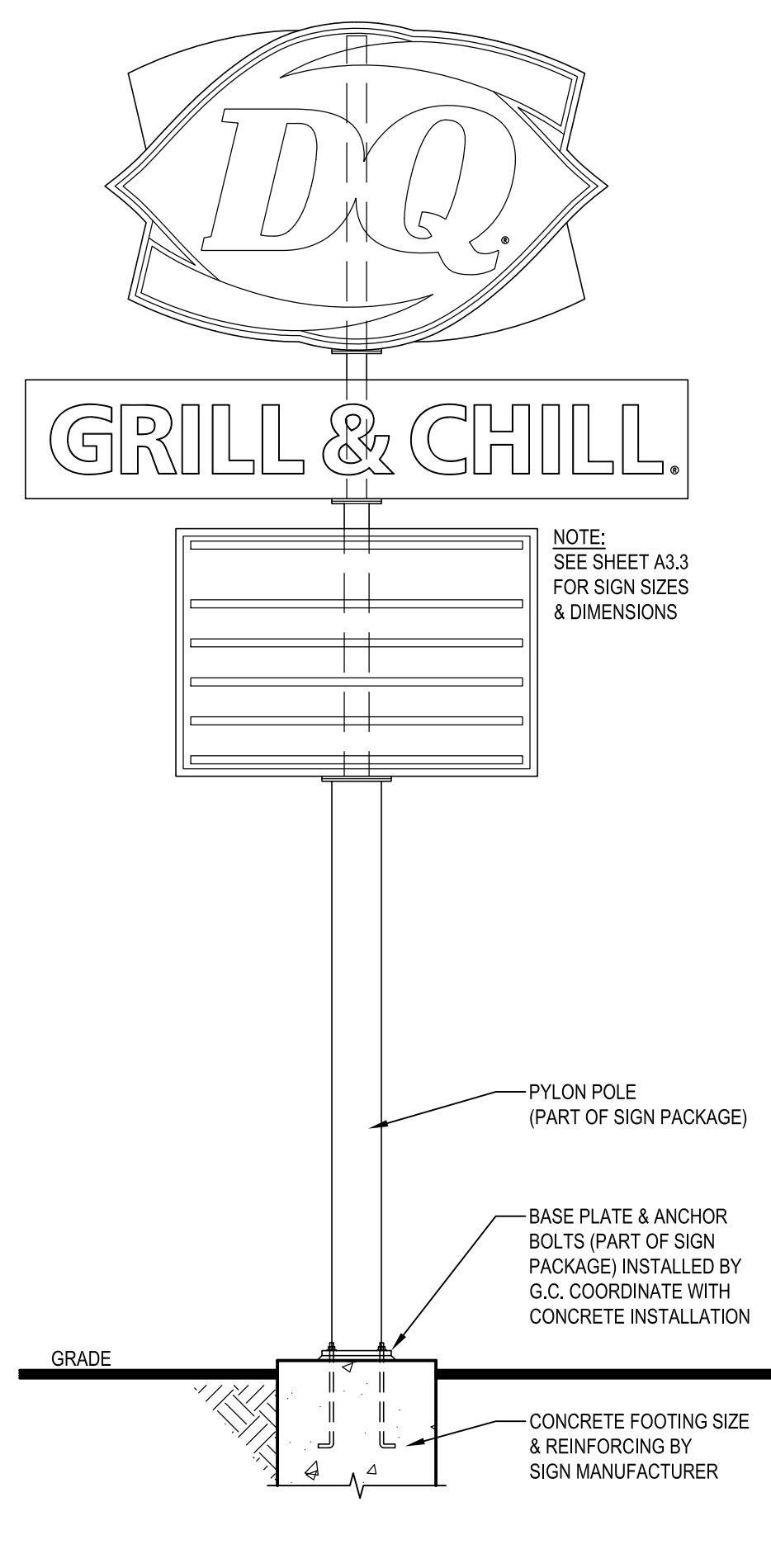


6 PARKING SIGNS

A1.2 SCALE: 3/8" = 1'-0"

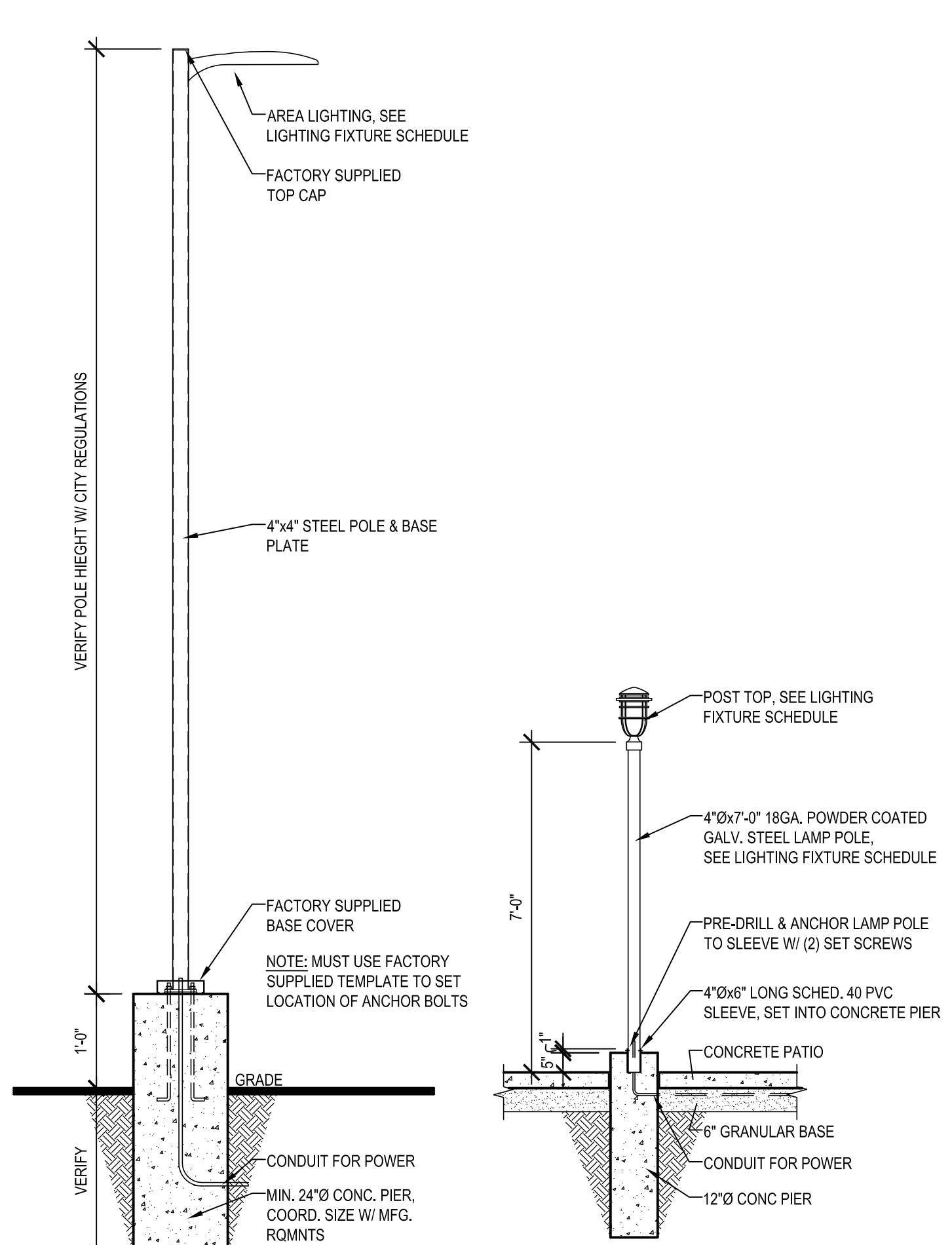
7 NOT USED

A1.2



8 PYLON SIGN

A1.2 SCALE: 3/8" = 1'-0"

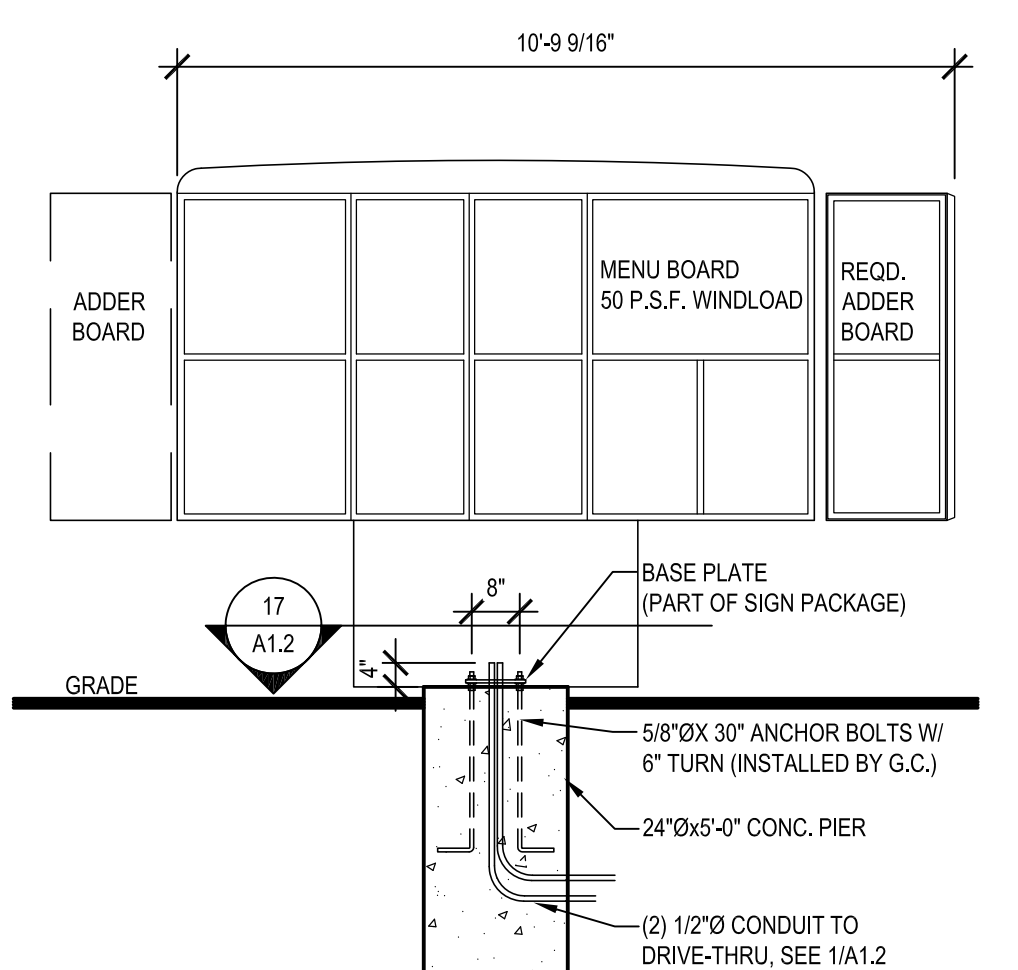


9 LIGHT POLE

A1.2 SCALE: 3/8" = 1'-0"

10 PATIO LIGHT

A1.2 SCALE: 3/8" = 1'-0"



11 MENU BOARD SECTION

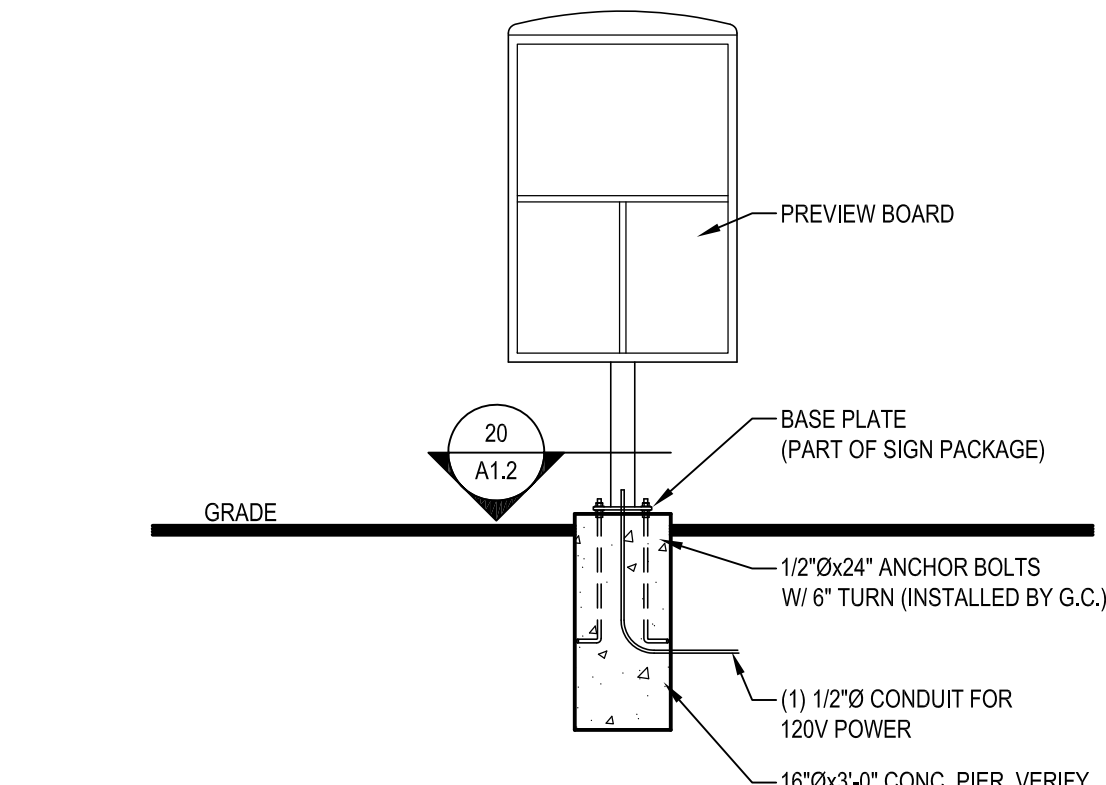
A1.2 SCALE: 3/8" = 1'-0"

12 NOT USED

A1.2

13 NOT USED

A1.2

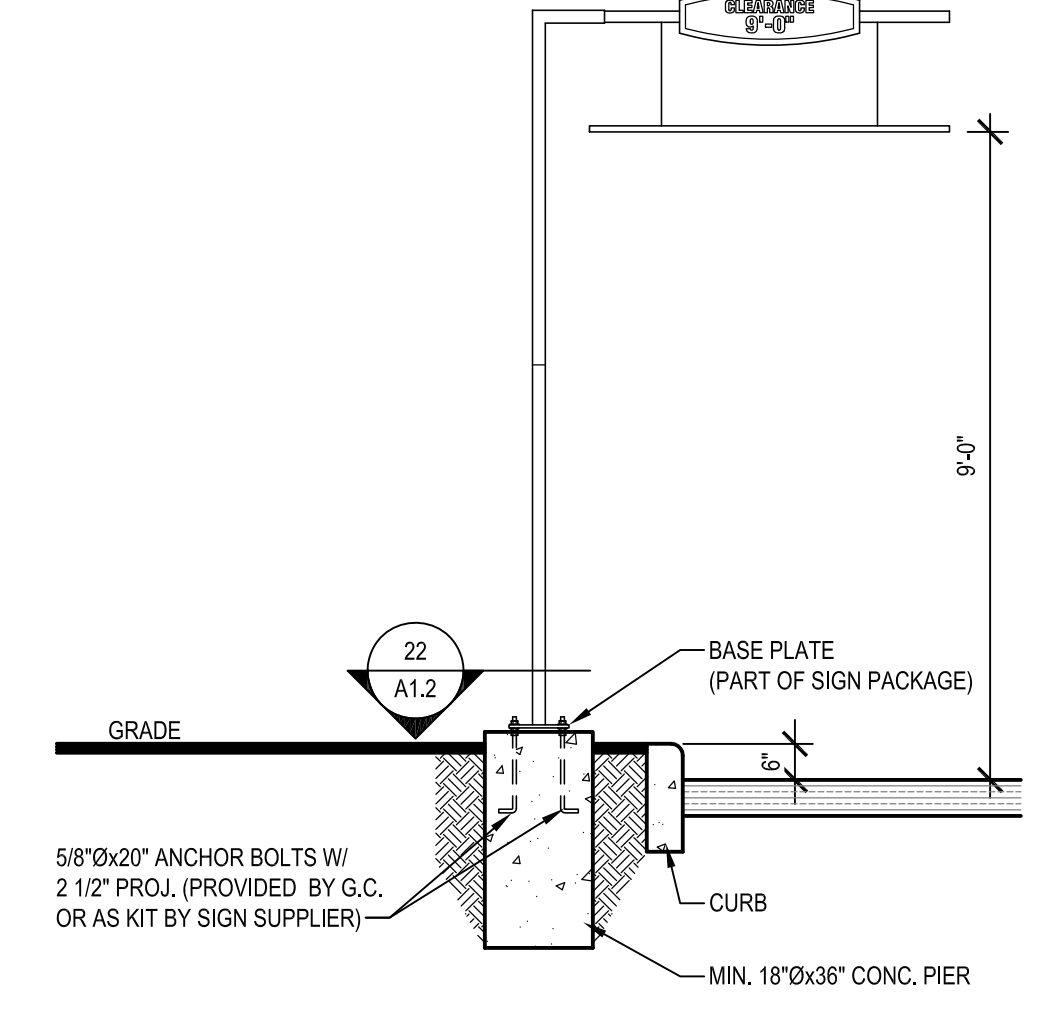


14 PREVIEW BD. SECT.

A1.2 SCALE: 3/8" = 1'-0"

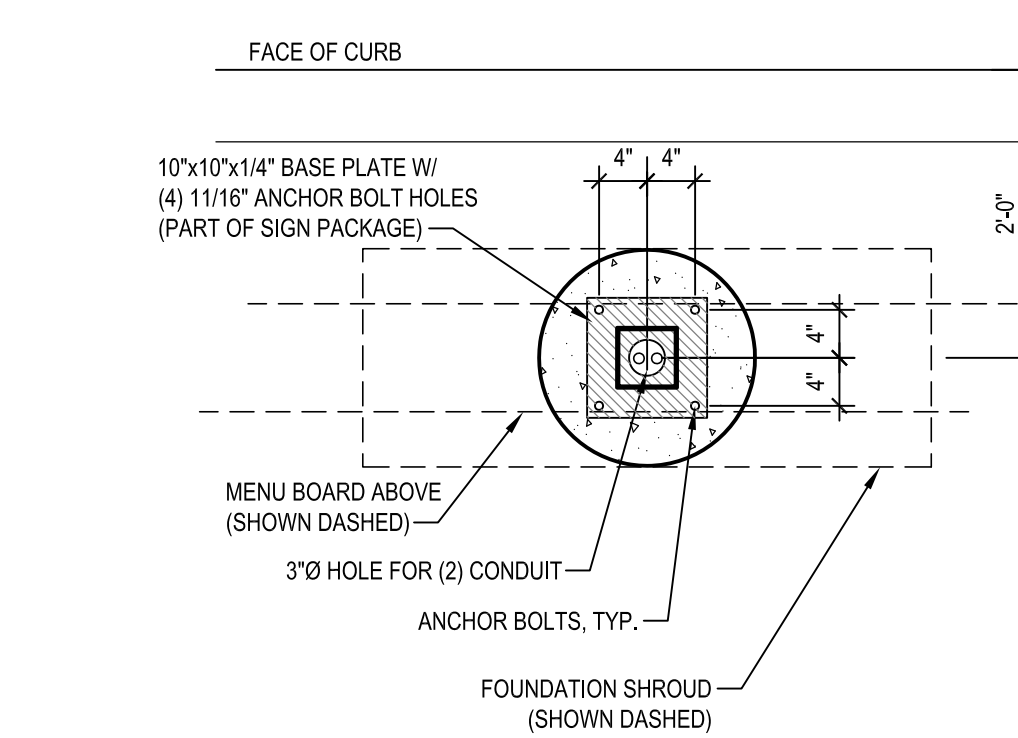
15 NOT USED

A1.2



16 CLEARANCE SIGN SECTION

A1.2 SCALE: 3/8" = 1'-0"



17 MENU BOARD SECTION

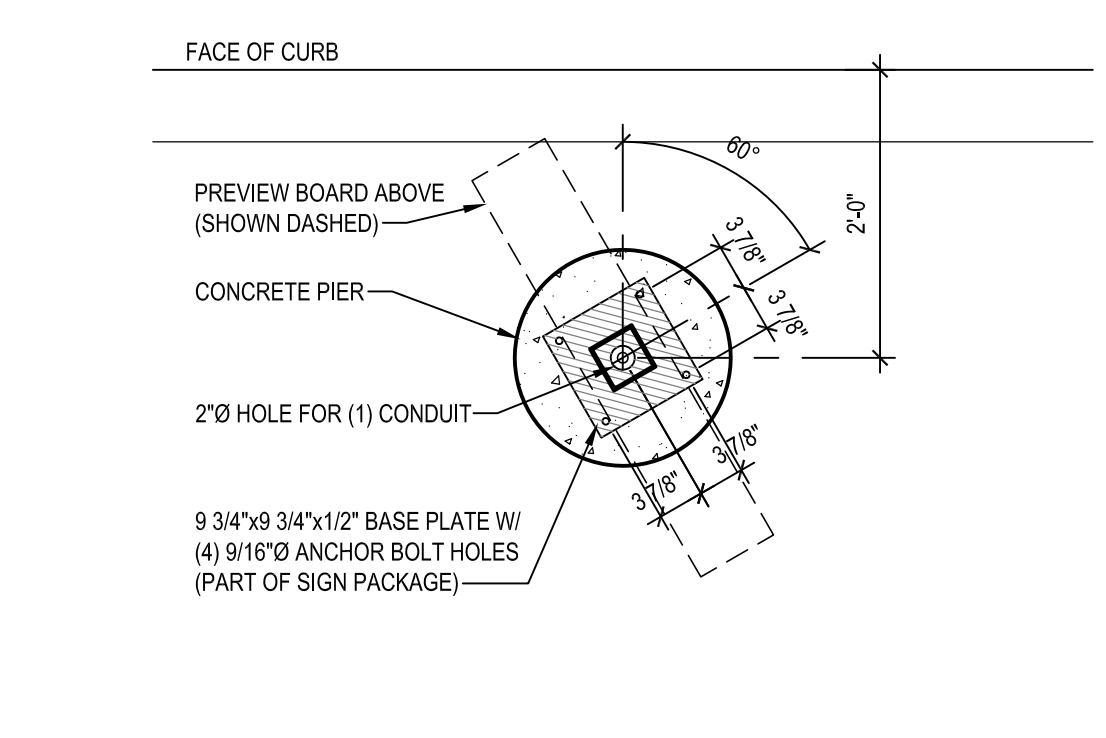
A1.2 SCALE: 3/4" = 1'-0"

18 NOT USED

A1.2

19 NOT USED

A1.2

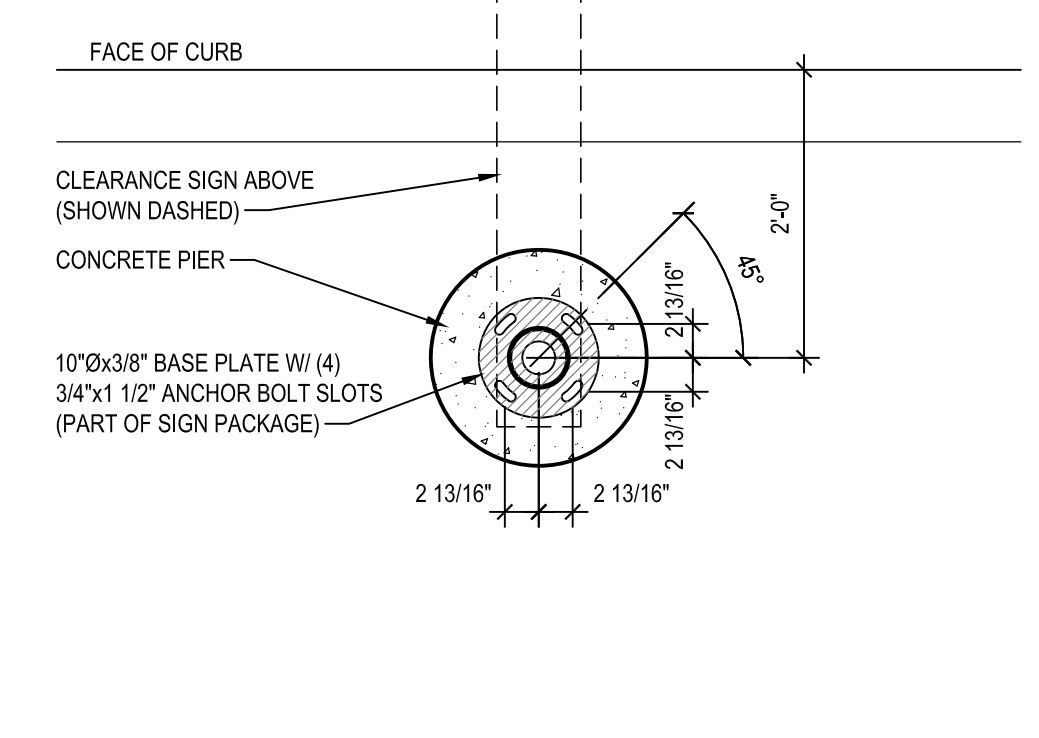


20 PREVIEW BOARD SECTION

A1.2 SCALE: 3/8" = 1'-0"

21 NOT USED

A1.2



22 CLEARANCE SIGN SECTION

A1.2 SCALE: 3/8" = 1'-0"



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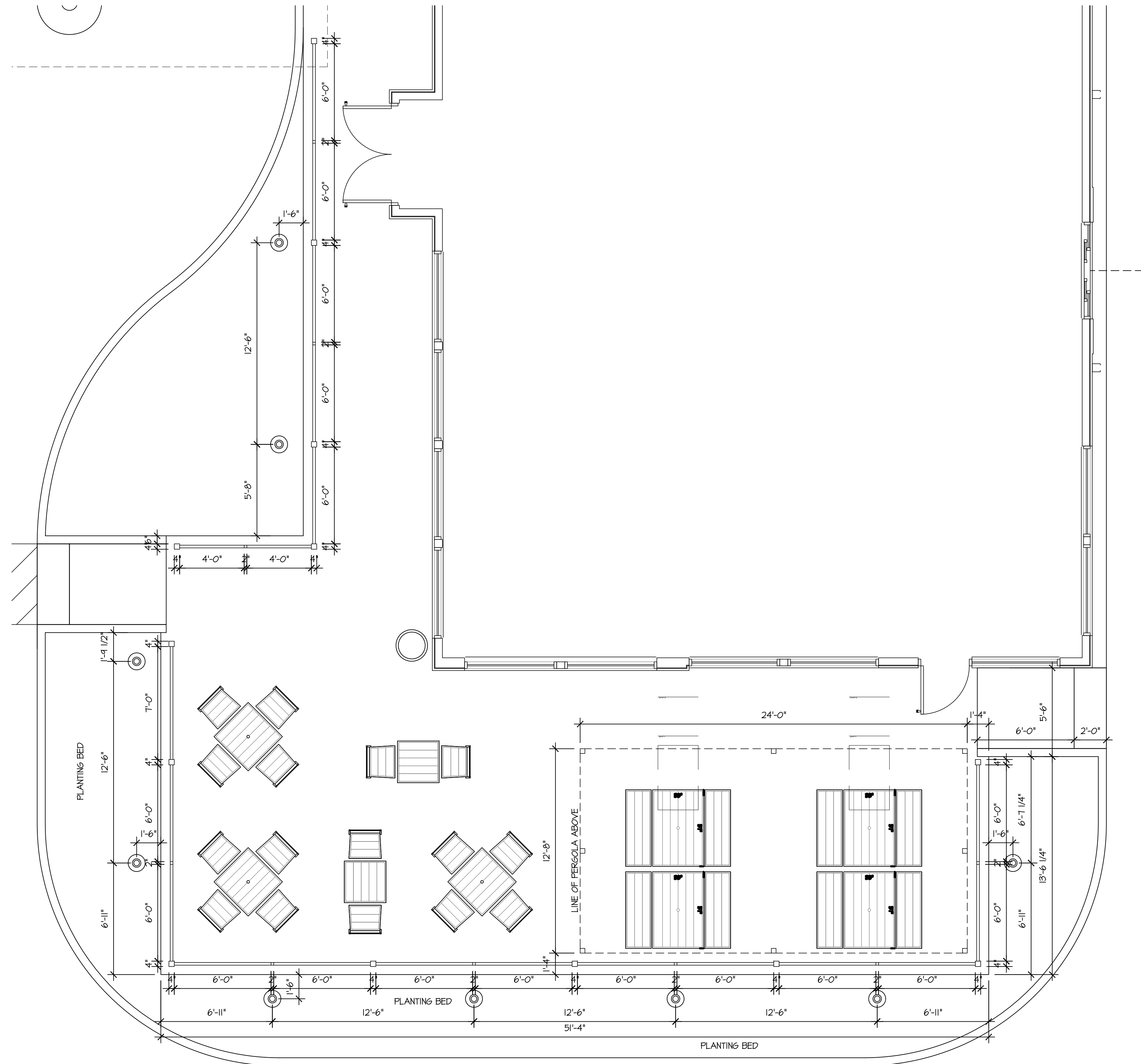
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ISSUE DATE:	09/03/21
REVISION DATE:	
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SITE EQUIPMENT DETAILS

SHEET NUMBER:

A1.2



1 PATIO LAYOUT
 A1.3 SCALE: 1/4" = 1'-0"

NEW BUILDING FOR:



GRILL & CHILL

BY PASS ROAD
 BRANDENBURG, KY 40108

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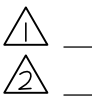
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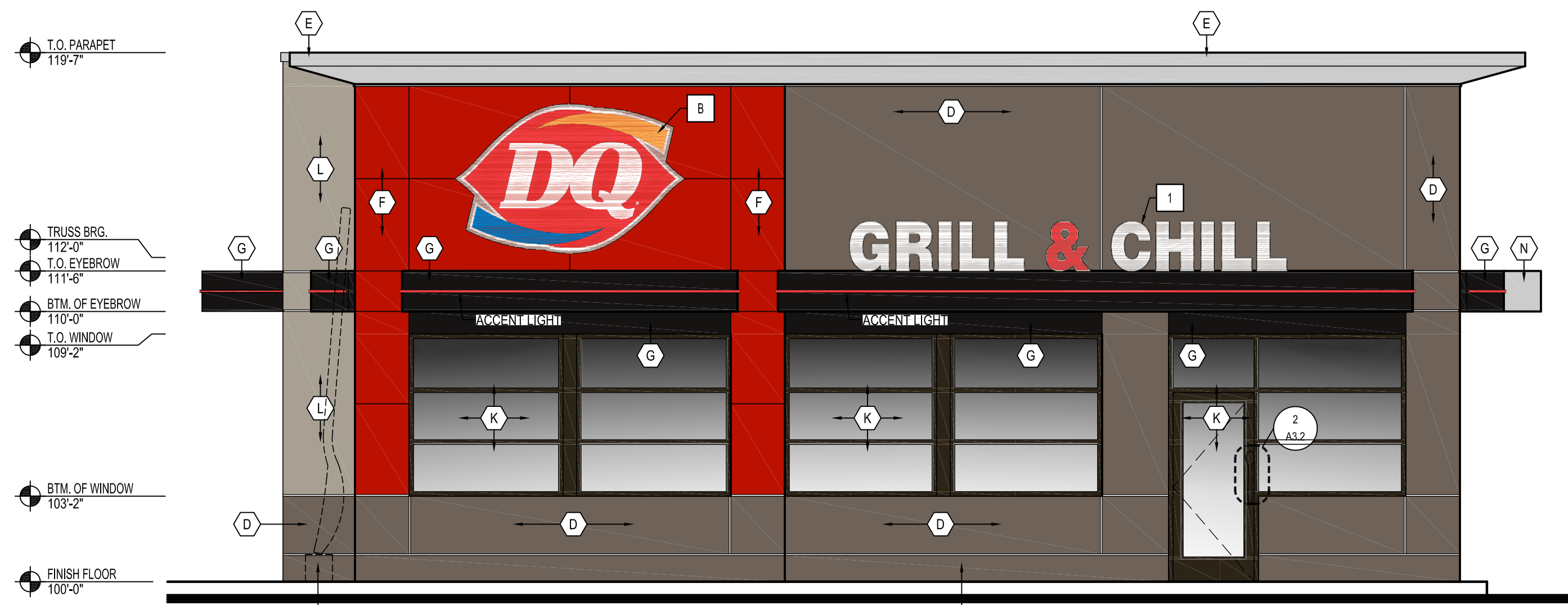
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PATIO PLAN

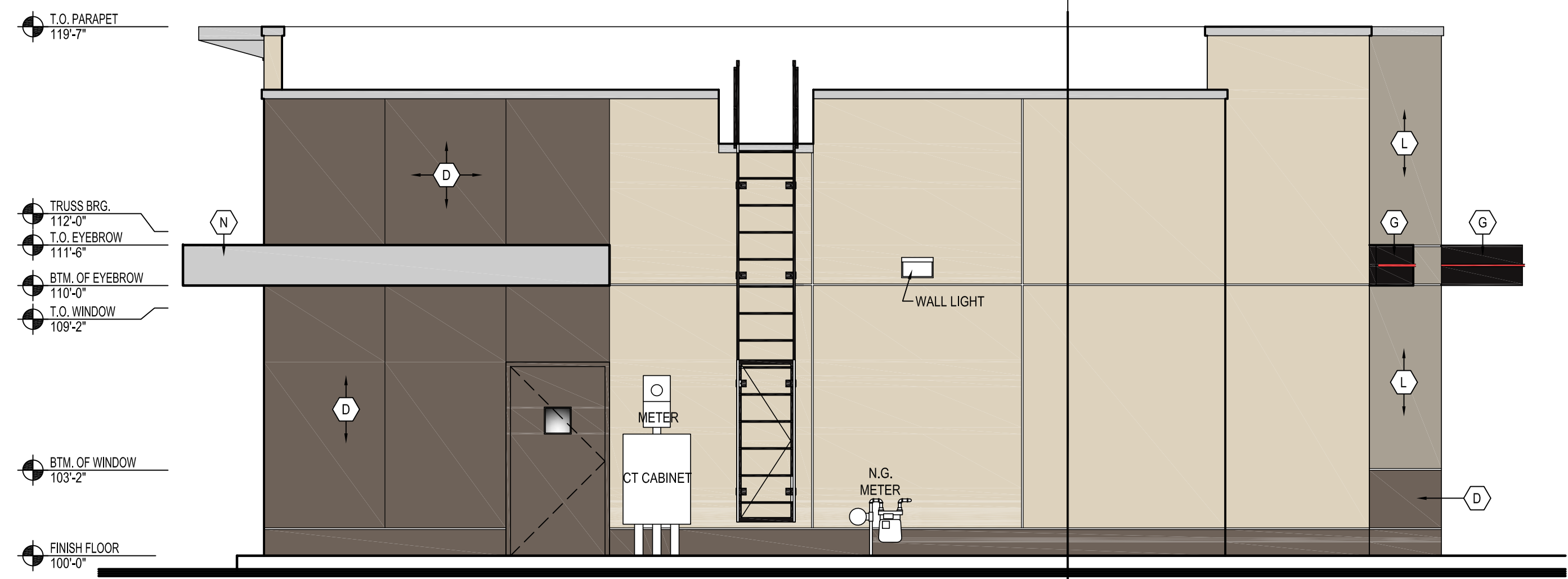
SHEET NUMBER:

A1.3

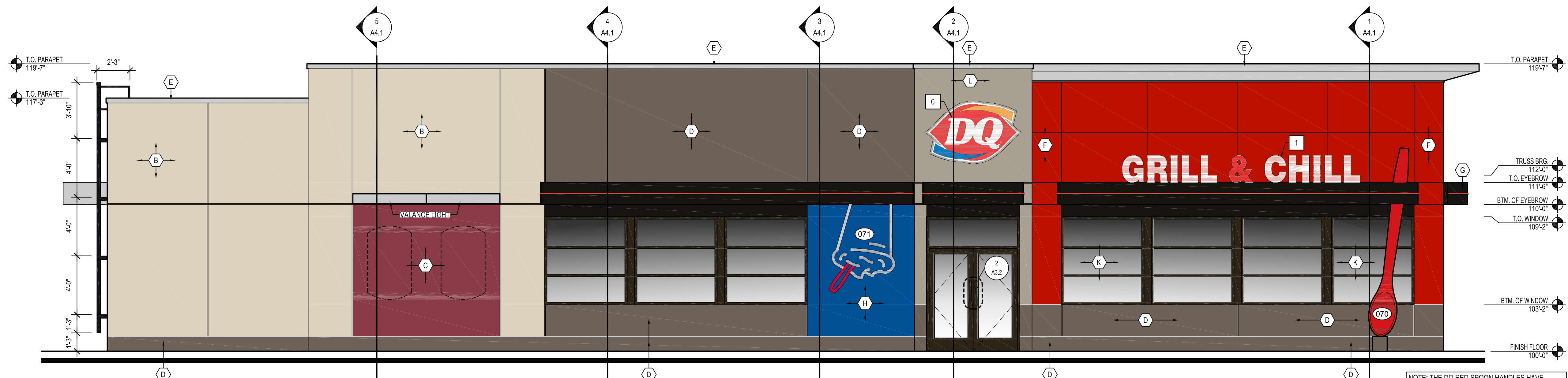


1 FRONT ELEVATION
A3.1 SCALE: 1/4" = 1'-0"

NOTE: THE DQ RED SPOON HANDLES HAVE SPECIAL INSTALLATION REQUIREMENTS. ALUM. STOREFRONT MFG. MUST COORD. LOCK & HANDLE, LOCATION & HEIGHTS

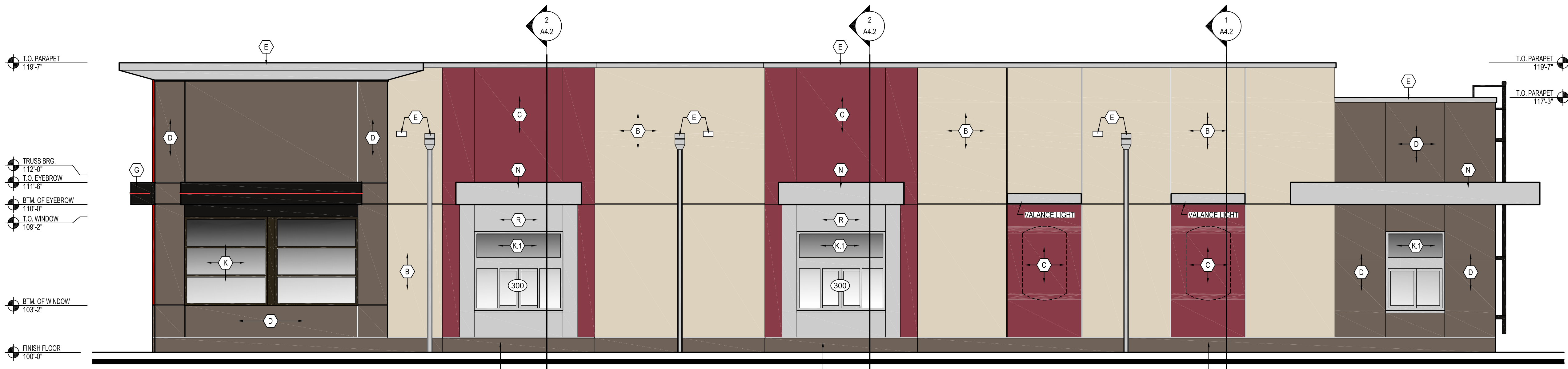


2 REAR ELEVATION
A3.1 SCALE: 1/4" = 1'-0"



3 ENTRANCE ELEVATION
A3.1 SCALE: 1/4" = 1'-0"

NOTE: THE DQ RED SPOON HANDLES HAVE SPECIAL INSTALLATION REQUIREMENTS. ALUM. STOREFRONT MFG. MUST COORD. LOCK & HANDLE, LOCATION & HEIGHTS



4 DRIVE-THRU ELEVATION
A3.1 SCALE: 1/4" = 1'-0"



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FOURTEEN FOODS EXTERIOR ELEVATIONS/SIGNAGE

Approved Approved as Noted

Matt Frauenschuh

Doug Hellerud

Paul Schmidt



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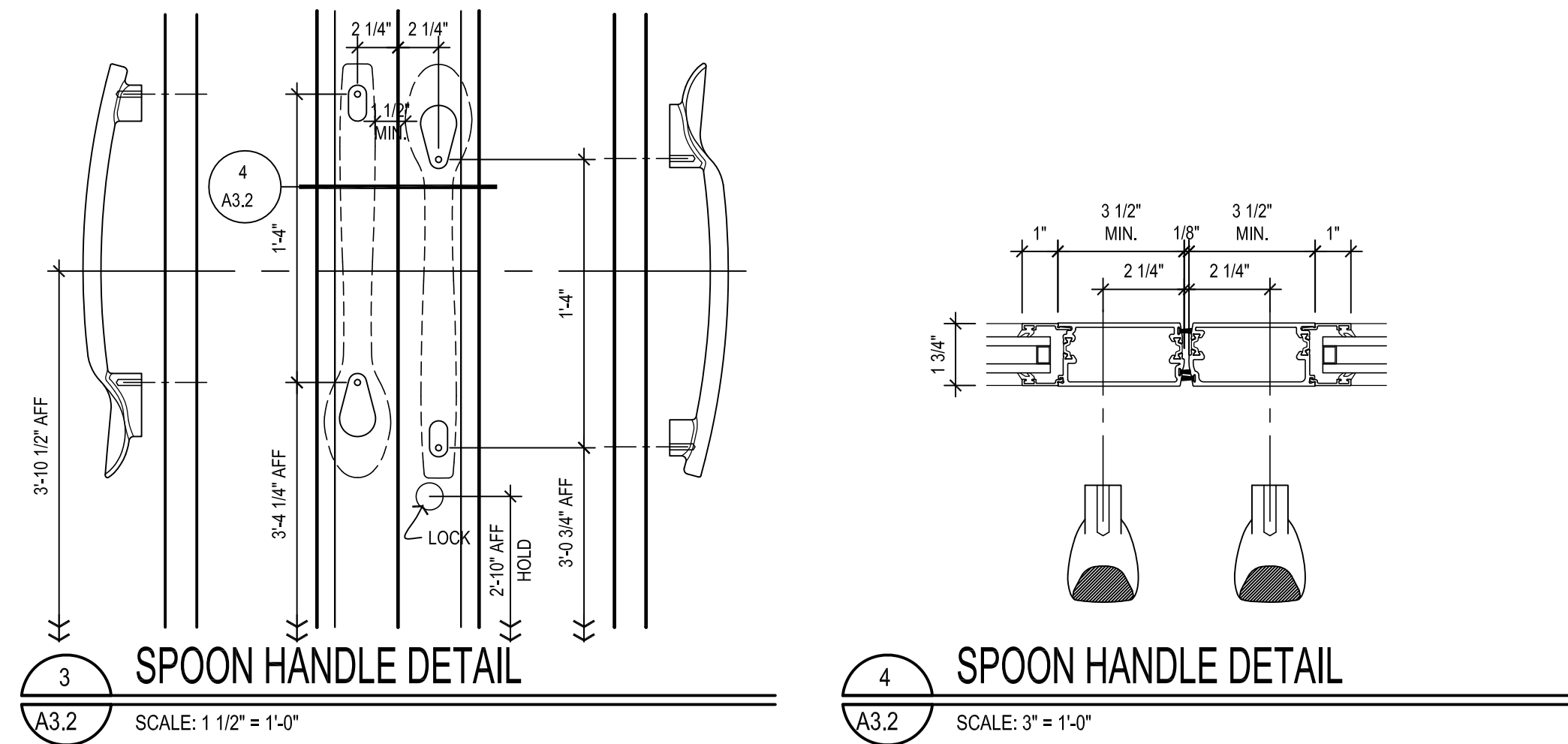
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EXTERIOR ELEVATIONS

SHEET NUMBER:

A3.1



EXTERIOR ELEVATION KEYNOTES:

- B** EIFS: (LIGHT)
 MFR: STO CORPORATION
 COLOR: NA19-0021 (MATCHES BENJAMIN MOORE, TEMPORAL SPIRIT 965)
 FINISH: 310 STO (FINE SAND)
 NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0\"/>
- C** EIFS: (RED)
 MFR: STO CORPORATION
 COLOR: NA19-0022 (MATCHES BENJAMIN MOORE, CALIENTE AF-290)
 FINISH: 130D STOLT 1.0D (FINE SAND)
 NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0\"/>
- D** EIFS: (DARK)
 MFR: STO CORPORATION
 COLOR: NA19-0023 (MATCHES BENJAMIN MOORE, DEEP CREEK 1477)
 FINISH: 130D STOLT 1.0D (FINE SAND)
 NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0\"/>
- E** COPING & SCUPPERS:
 MFR: FIRESTONE UNA-CLAD
 MATL: 24 GA. STEEL
 COLOR: SILVER METALLIC
 FINISH: KYNAR 500
 VENDOR: ARCHITECTURAL METALS, SEE NATIONAL VENDORS LIST
- F** METAL PANEL:
 MFR: ALPOLIC
 STYLE: 3MM
 COLOR: D0 (DARK) RED
 NOTE: MUST BE INSTALLED HORIZONTALLY. REFERENCE ARROWS ON BACK OF PANEL MUST BE ALIGNED IN THE SAME DIRECTION.
 VENDOR: ARCHITECTURAL METALS, SEE NATIONAL VENDORS LIST
- G** METAL EYEBROW, OUTRIGGERS, & FLASHINGS:
 MFR: FIRESTONE UNA-CLAD
 MATL: .040 ALUMINUM
 COLOR: CLEAR ANODIZED
 FINISH: SATIN
 VENDOR: ARCHITECTURAL METALS, SEE NATIONAL VENDORS LIST
- H** EIFS: (BLUE)
 MFR: STO CORPORATION
 COLOR: NA19-0024 (MATCHES BENJAMIN MOORE, BIG COUNTRY BLUE #2066-30)
 FINISH: 130D STOLT 1.0 (FINE SAND)
 NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0\"/>
- I** STOREFRONT:
 MFR: YKK AP AMERICA INC.
 STYLE: 2'x4 1/2\"/>
- KI** STOREFRONT:
 MFR: YKK AP AMERICA INC.
 STYLE: 2'x4 1/2\"/>
- L** EIFS: (MEDIUM)
 MFR: STO CORPORATION
 COLOR: NA20-0019 (MATCHES BENJAMIN MOORE, WILLOW CREEK #1486)
 FINISH: 310 STO (FINE SAND)
 NOTE: PROVIDE HIGH IMPACT EIFS FROM GRADE TO 3'-0\"/>
- N** METAL EYEBROW, OUTRIGGERS, & FLASHINGS:
 MFR: FIRESTONE UNA-CLAD
 MATL: .040 ALUMINUM
 COLOR: CLEAR ANODIZED
 FINISH: SATIN
 VENDOR: ARCHITECTURAL METALS, SEE NATIONAL VENDORS LIST
- P** PAINT:
 MFR: BENJAMIN MOORE
 COLOR: TEMPORAL SPIRIT 965
 PRODUCT: AURA EXTERIOR PAINT, EGG SHELL LOW LUSTRE #634
 PRIMER: FIRST COAT - AURA EXTERIOR PAINT
- R** METAL PANEL:
 MFR: ALPOLIC
 STYLE: 3MM
 COLOR: TBX SILVER
 NOTE: MUST BE INSTALLED HORIZONTALLY. REFERENCE ARROWS ON BACK OF PANEL MUST BE ALIGNED IN THE SAME DIRECTION.
 VENDOR: ARCHITECTURAL METALS, SEE NATIONAL VENDORS LIST

OPENING SCHEDULE NATIONAL ACCOUNT DOOR AND FRAME SUPPLIER (PLAM, WOOD AND H.M.) HAMILTON PARKER, SEE NATIONAL VENDORS LIST

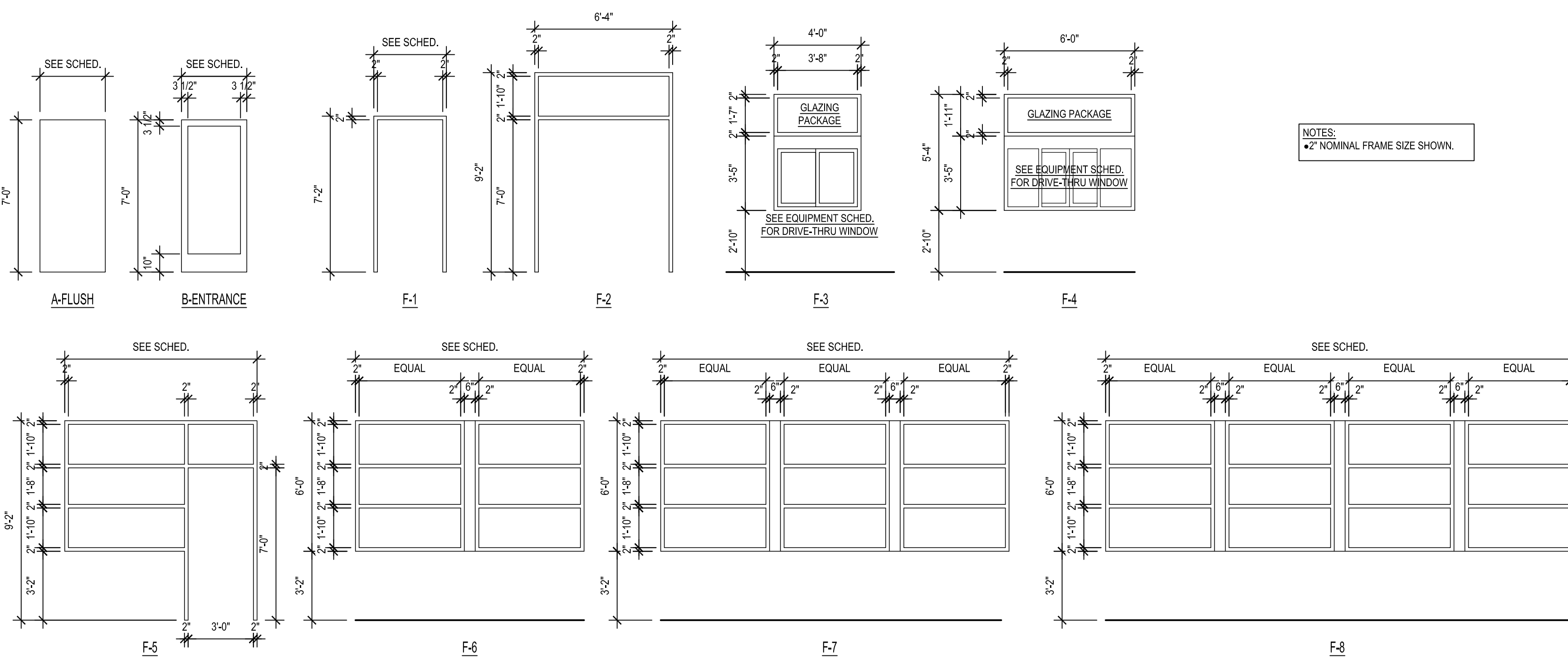
OPNG. NO.	OPENING LOCATION	FRAME			DOOR			FIRE RATING	HARDWARE GROUP	NOTES:
		SIZE	TYPE	MATERIAL	FINISH	TYPE	MATERIAL			
100A	VESTIBULE (EXT.)	6'-4\"/>								

- NOTES:**
- PARTICLE CORE DOORS: SIZE AS PER PLAN AND SCHEDULE. ALL EDGES/SURFACES TO BE COVERED WITH PLASTIC LAMINATE.
 - HOLLOW METAL DOOR(S): SIZE AS PER PLAN AND SCHEDULE. (HOT ROLLED LEVEL 2 MODEL 2) STEEL TO BE 18 GA., INTERIOR TO BE FOAM INSULATION, WITH INTEGRAL REINFORCEMENT FOR CLOSURE AND PANIC HARDWARE.
 - GLAZING (TYPICAL AT ALL): CLEAR, 1\"/>

ALUM = ALUMINUM
 HM = HOLLOW METAL
 PC = PARTICLE CORE
 DK BRZ = ANODIZED ALUMINUM STATUTORY DARK BRONZE FINISH
 CLR = ANODIZED ALUMINUM CLEAR FINISH
 PNT = SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR COLOR

HARDWARE GROUPS NATIONAL ACCOUNT DOOR AND FRAME SUPPLIER (PLAM, WOOD AND H.M.) HAMILTON PARKER, SEE NATIONAL VENDORS LIST

- GROUP #E1:** TYPICAL EXTERIOR VESTIBULE DOORS
 - CLOSER: HAGER MFG., MODEL #5200 SPR CSH CLOSER.
 - HINGES: HAGER MFG., MDL #B81199 32DB WITH NON-REMOVABLE PINS, 4.5\"/>
- GROUP #E2:** TYPICAL INTERIOR VESTIBULE DOORS
 - CLOSER: HAGER MFG., MODEL #5200 SPR CSH CLOSER.
 - HINGES: HAGER MFG., MDL #B81199 32DB WITH NON-REMOVABLE PINS, 4.5\"/>
- GROUP #E3:** TYPICAL EXTERIOR PATIO/EGRESS DOOR HARDWARE
 - HINGE(S): HAGER MFG., MDL #B81199 32DB WITH NON-REMOVABLE HINGE PINS, 4.5\"/>
- GROUP #E4:** TYPICAL SINGLE OCCUPANCY RESTROOM DOOR
 - CLOSER: HAGER MFG., MODEL #5200 CLOSER.
 - HINGES: HAGER MFG., MDL #ECBB 1100 US26D, 4.5\"/>
- GROUP #R1:** TYPICAL REAR SERVICE DOOR
 - CLOSER: HAGER MFG., MODEL #5200 SPR CSH CLOSER.
 - EXIT DEVICE: HAGER MFG., MDL #4701 RIM US28, SPRAYED ALUMINUM FINISH.
 - HINGE(S): HAGER MFG., MDL #ECBB 1100 US26D WITH NON-REMOVABLE HINGE PINS, 4.5\"/>
- GROUP #O:** TYPICAL OFFICE DOOR
 - CLOSER: HAGER MFG., MODEL #5200 CLOSER.
 - HINGES: HAGER MFG., MDL #ECBB 1100 US26D, 4.5\"/>



DOOR & FRAME TYPES
 SCALE: 1/4\"/>



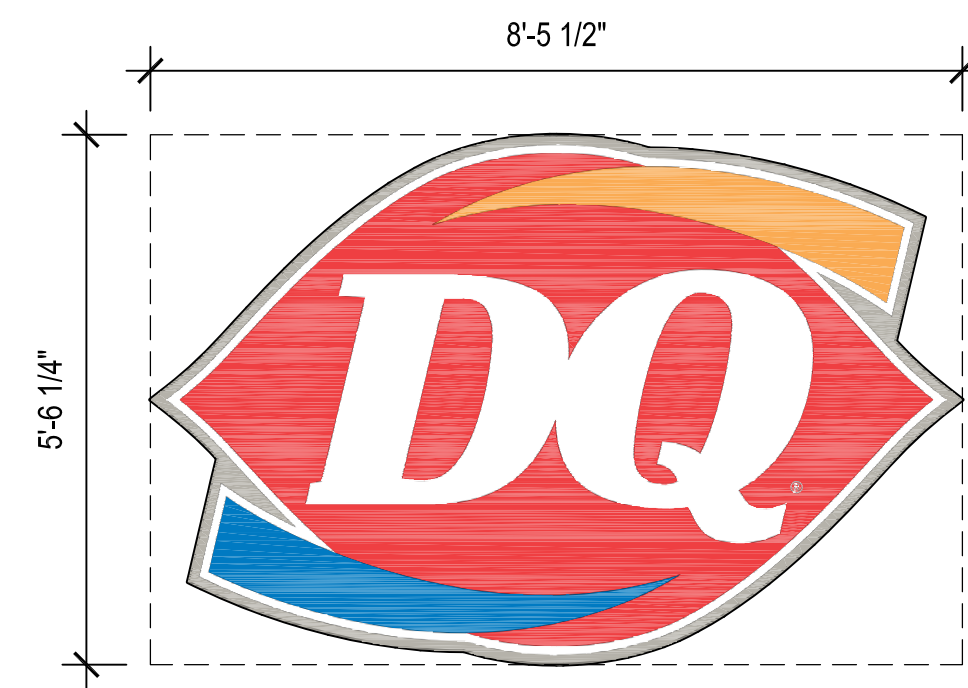
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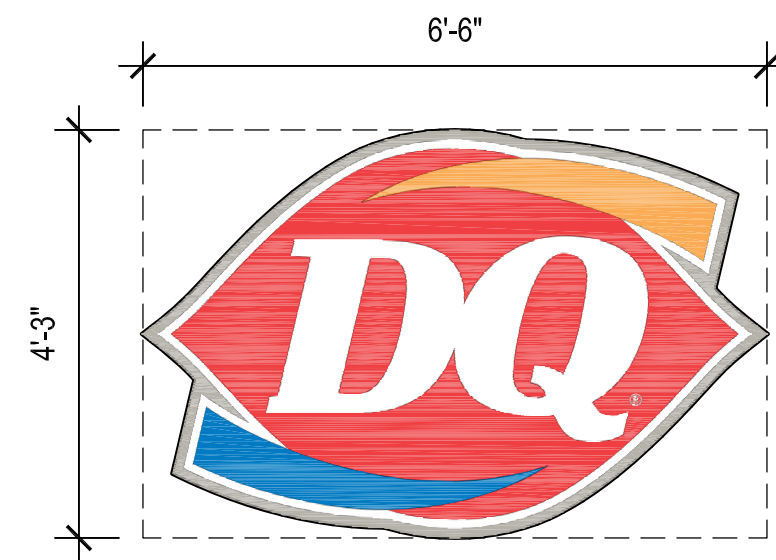
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ELEVATIONS, DOOR & FRAME TYPES

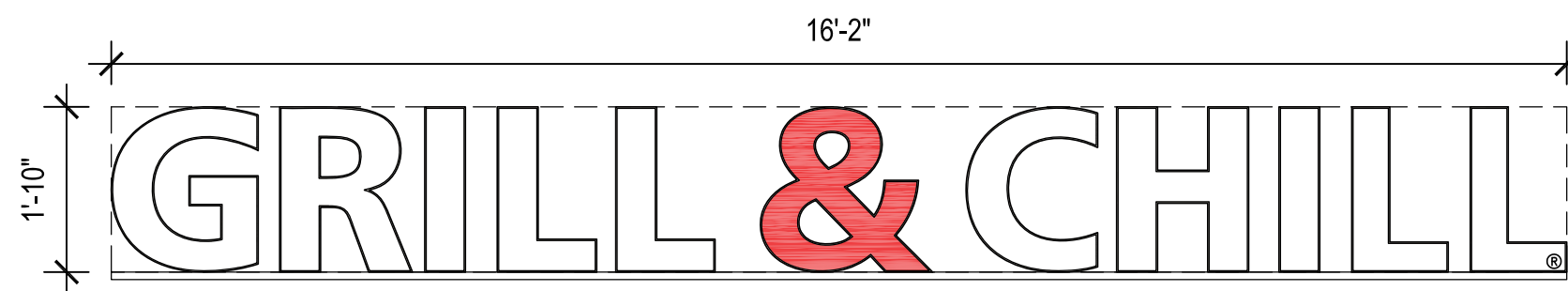
SHEET NUMBER:
A3.2



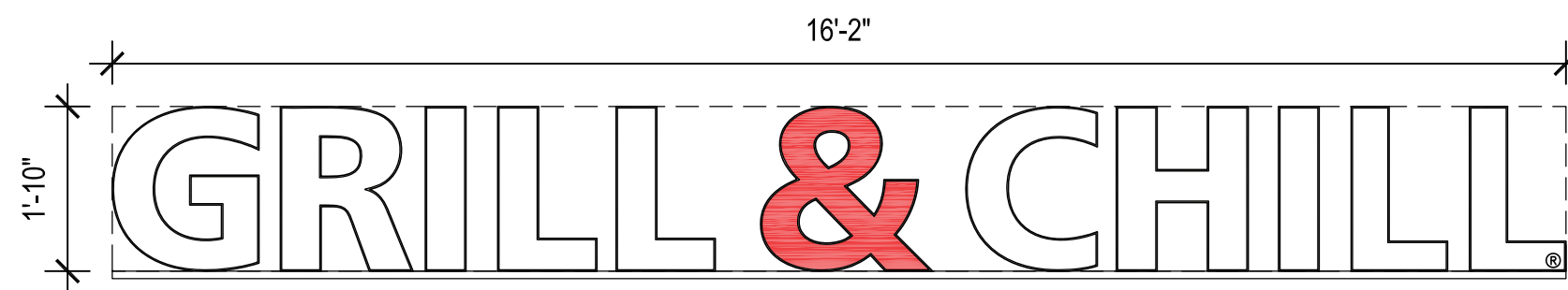
B DAIRY QUEEN LOGO (ILLUM.)
PROFILE = 33.1 SF RECTANGULAR = 46.7 SF



C DAIRY QUEEN LOGO (ILLUM.)
PROFILE = 19.6 SF RECTANGULAR = 27.6 SF



1 1'-10\"/>



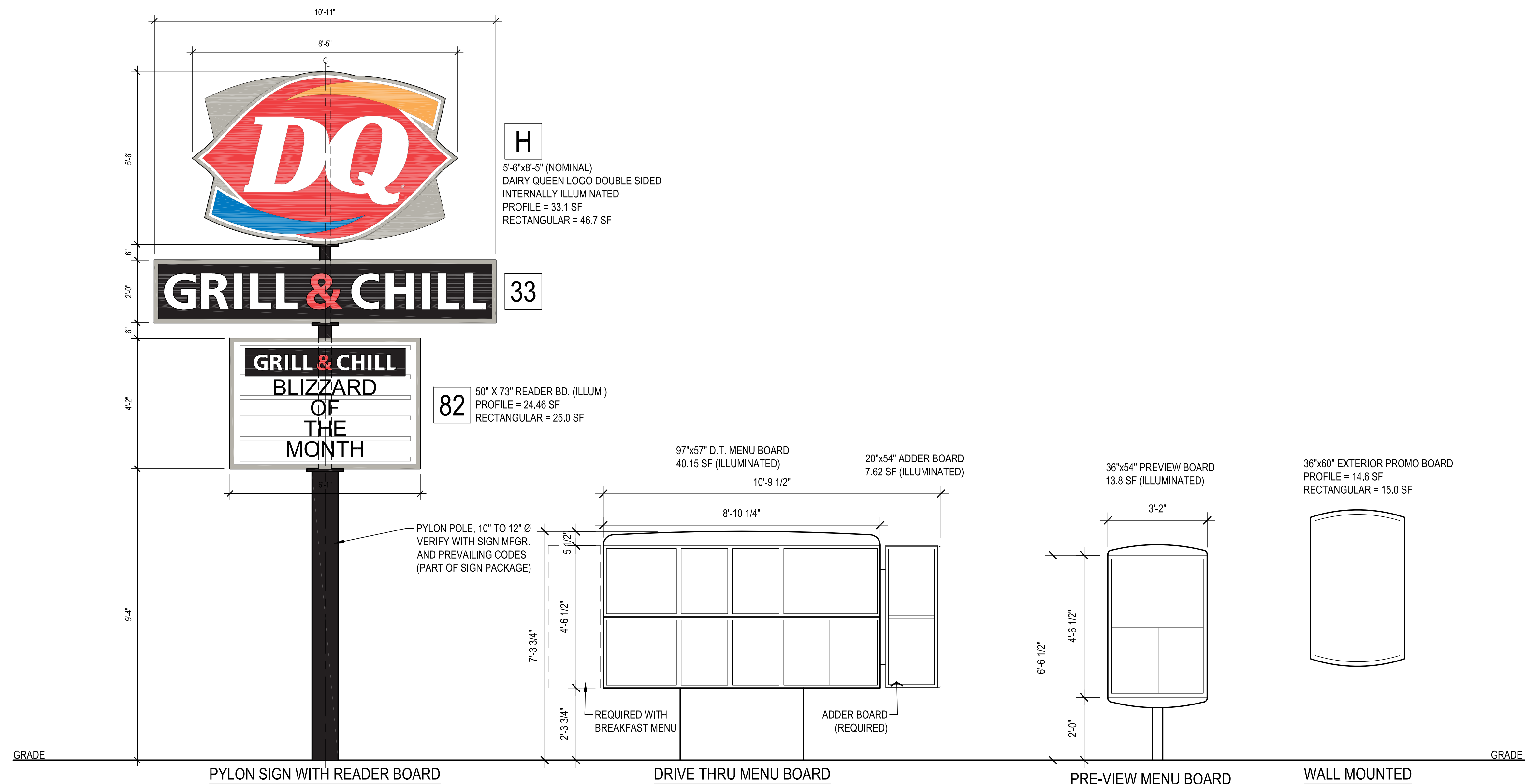
1 1'-10\"/>

2 FRONT FACADE SIGNAGE

A3.3 SCALE: 1/2" = 1'-0"

3 ENTRANCE FACADE SIGNAGE

A3.3 SCALE: 1/2" = 1'-0"



1 SITE SIGNAGE

A3.3 SCALE: 1/2" = 1'-0"



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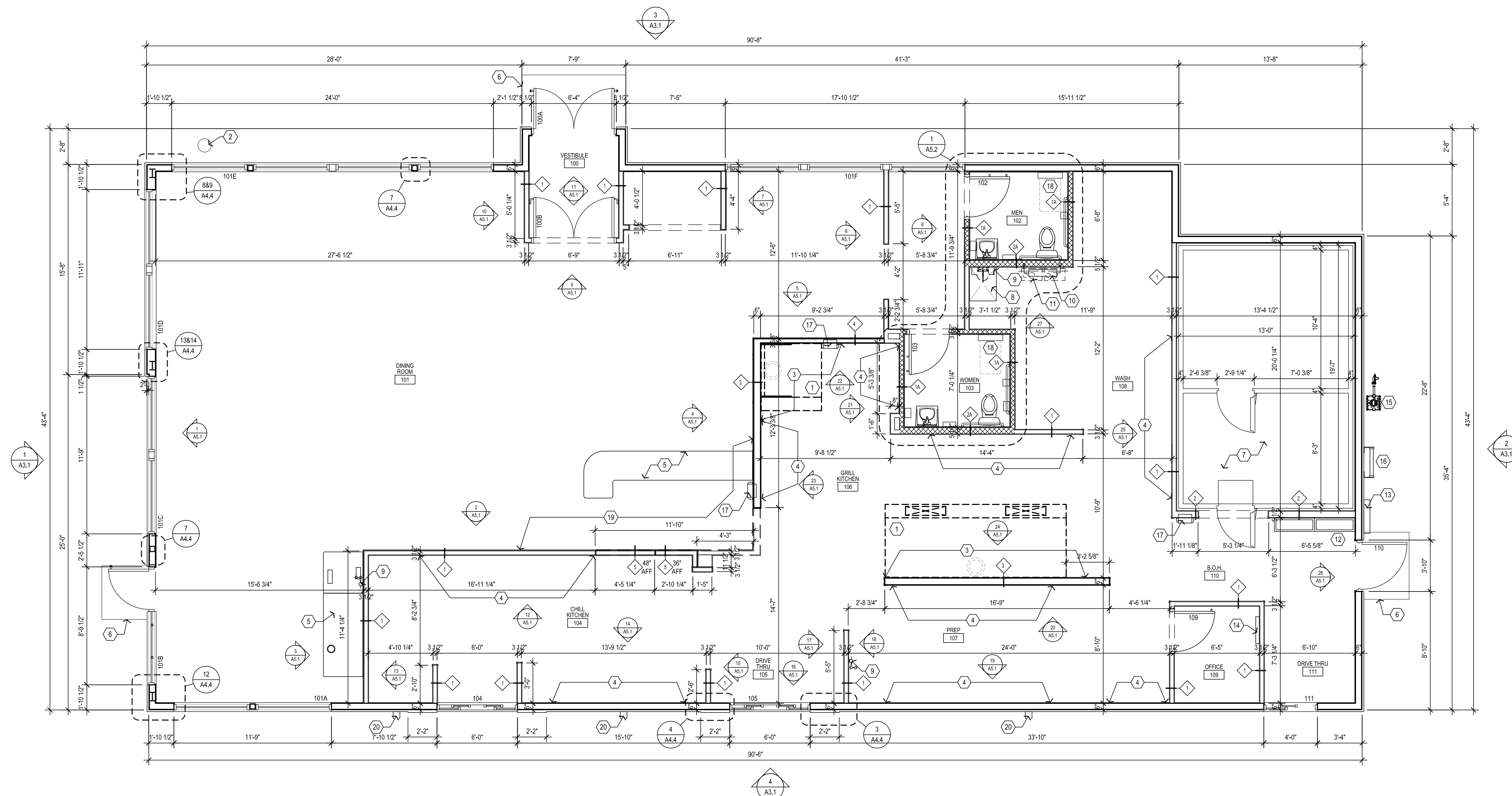
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SIGNAGE MATRIX

SHEET NUMBER:
A3.3



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

GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING.
- UNLESS NOTED OTHERWISE, ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD.
- REFER TO DRAWINGS AND SPECIFICATIONS PREPARED BY EQUIPMENT SUPPLIERS AND MECHANICAL SUPPLIER FOR THEIR UNIQUE REQUIREMENTS. ALL MATERIALS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FLOOR PLAN NOTES

- GENERAL CONTRACTOR SHALL INSTALL EXHAUST HOOD PACKAGE AS WELL AS PROVIDE ANY/ALL NECESSARY MATERIALS IN ORDER FOR PROPER HOOD OPERATION. SEE SHEETS F1, F2, E1.1, M SHEETS FOR ADDITIONAL INFORMATION AND DETAILS.
- ANSUL SYSTEM PROVIDED AND INSTALLED BY HOOD SUPPLIER.
- EXTERIOR RED SPOON. SEE EQUIPMENT PLAN, ELEVATIONS, WALL SECTIONS, & FOUNDATION PLAN
- PROVIDE 5/8" CEMENT BOARD IN LIEU OF SANDED PLYWOOD
- PROVIDE WD. BLOCKING AT WALL SHELVES COORDINATE EXTENT WITH EQUIPMENT PLAN. SEE DETAIL, 13/A6.1
- COUNTERS AND DECOR WALLS ARE PART OF COUNTER MILLWORK PKG. SEE "F" SHEETS FOR PLAN, ELEVATION AND DETAILS.
- CONC STOOP. SEE STRUCTURAL
- GENERAL CONTRACTOR SHALL INSTALL WALK-IN COOLER/FREEZER PACKAGE. PROVIDE SEALED TRIM, FROM COOLER BOX TO SIDE WALL.
- MOP SINK. SEE DETAIL 14/A6.1
- WATER FILTER SYSTEM. SEE EQUIPMENT PLAN AND SCHEDULES
- WATER METER LOCATION. SEE PLUMBING SHEETS
- WATER HEATER. SEE PLUMBING DWGS
- ELECTRICAL PANEL. SEE ELEC DWGS - VERIFY W/MANUFACTURER INSTALL REQUIREMENTS

- ELECTRICAL DISCONNECT AND METER SOCKET.
- PHONE BOARD
- GAS METER
- ROOF ACCESS LADDER.
- SEM RECESSED FIRE EXTINGUISHER CABINET. RECOMMENDED MANUFACTURER AND MODEL ACTIVAR, COSMOPOLITAN 2038-S21 PROVIDED AND INSTALLED BY G.C., AVAILABLE FROM HJC
- G.C. TO VERIFY AND PROVIDE BLOCKING PER MANUFACTURERS REQUIREMENTS
- G.C. TO PROVIDE AND INSTALL 2x8 HORIZONTAL WOOD BLOCKING (LET IN) TO STUDS BEHIND GYP. BD., TOP OF BLOCKING TO BE AT 94 7/8" AFF AND 107" AFF. MIN. LENGTH OF BLOCKING AS NOTED, END OF BLOCKING MUST LAND ON STUD.
- ROOF DOWNSPOUT

PARTITION TYPES

- 2x4 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE
- 2x4 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE. PROVIDE FULL THICKNESS SOUND BATT INSULATION TO 3" ABOVE CEILING
- 2x6 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE
- 2x6 WOOD FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE. PROVIDE FULL THICKNESS SOUND BATT INSULATION TO 3" ABOVE CEILING
- 6" MTL. FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE.
- 3 5/8" MTL. FRAMING @ 16" O.C. EXTEND TO ROOF STRUCTURE.
- 2x4 WOOD FRAMING @ 16" O.C., PARTIAL HEIGHT WALL SEE PLAN FOR HEIGHT

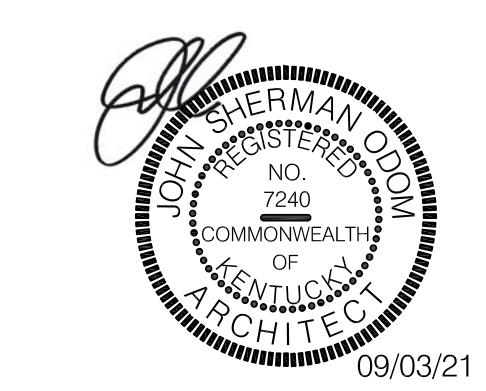
WALL SURFACE GENERAL NOTES:

- PROVIDE 5/8" GYP. BD. ON ALL WALL SURFACES UNLESS NOTED OTHERWISE
- PROVIDE MOISTURE RESISTANT GYP. BD. AT WET WALL LOCATIONS.
- THE INTERIOR SIDE OF THE EXTERIOR FRAMED WALLS SHALL HAVE THE GYP BOARD OR SANDED PLYWOOD EXTENDED TO THE ROOF DECK ABOVE. AT THE INTERIOR WALLS, THE CONTRACTOR IS TO EXTEND THE GYP BOARD OR SANDED PLYWOOD TO 3" ABOVE THE LINE OF THE FINISHED CEILING AND PROVIDE FIRE BLOCKING AS REQUIRED. AT INTERIOR WALL LOCATIONS WHERE KRAFT FACED INSULATION IS PROVIDED, THE CONTRACTOR SHALL EXTEND THE GYP BOARD / SANDED PLYWOOD / DUROCK FULL HEIGHT TO THE UNDERSIDE OF THE ROOF DECK ABOVE. KRAFT FACED INSULATION SHALL NOT BE EXPOSED ABOVE THE LINE IF THE FINISHED CEILING.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL INSTALL 5/8 GYP BOARD ON WALL SURFACES IN VESTIBULE 100, DINING ROOM 101, MEN 102, WOMEN 103.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL INSTALL 5/8" SANDED PLYWOOD ON WALL SURFACES IN CHILL KITCHEN 104, DRIVE THRU 105, GRILL KITCHEN 106, PREP 107, WASH 108, OFFICE 109, BOH 110, DRIVE THRU 111".

PROVIDE FIRE BLOCKING IN WALL STUD CAVITIES. INSTALL FIRE BLOCKING AT 10'-0" ABOVE FINISHED FLOOR IN WALL CAVITY.



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FLOOR PLAN

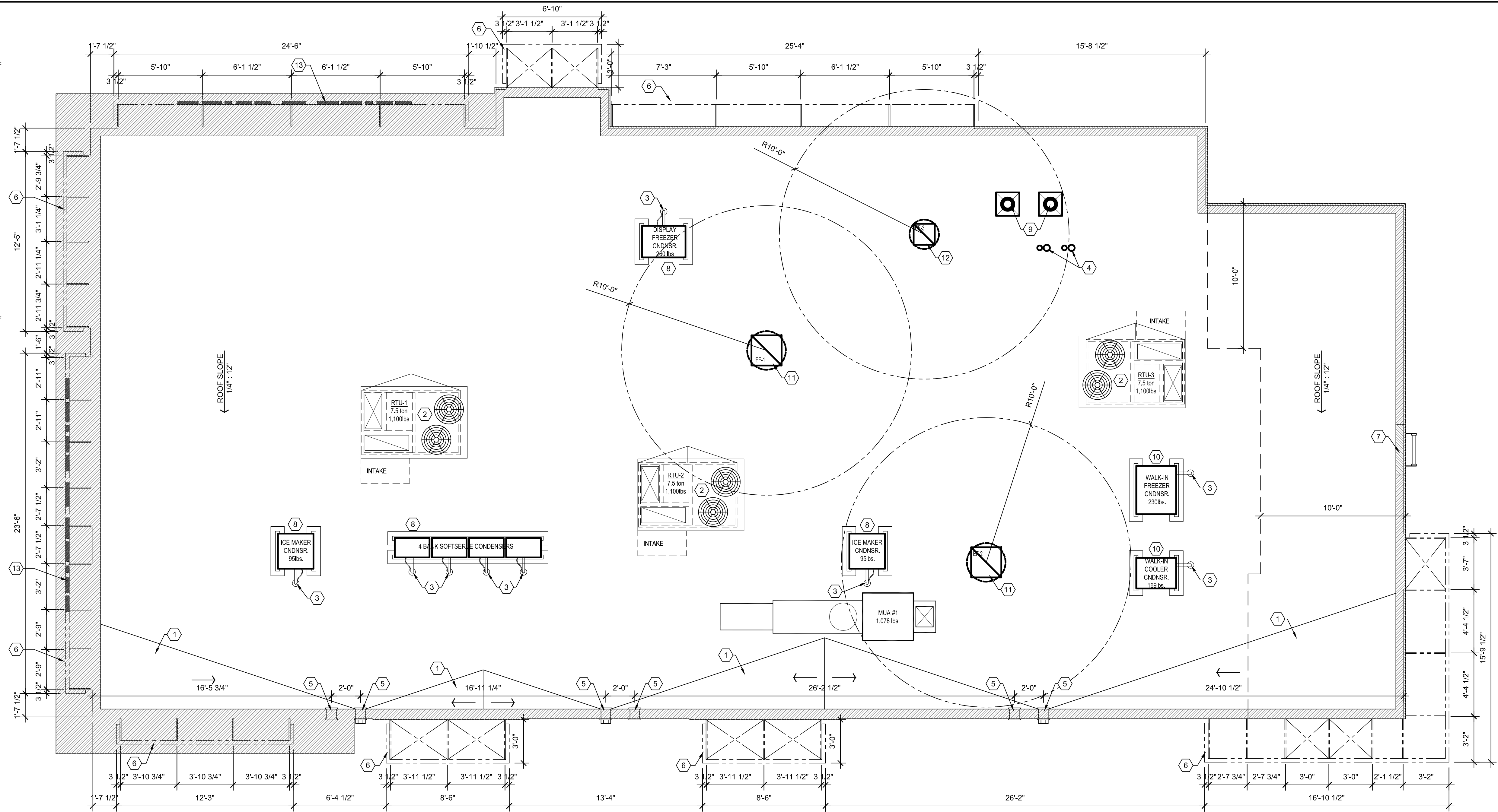
SHEET NUMBER:
A2.1

GENERAL NOTES

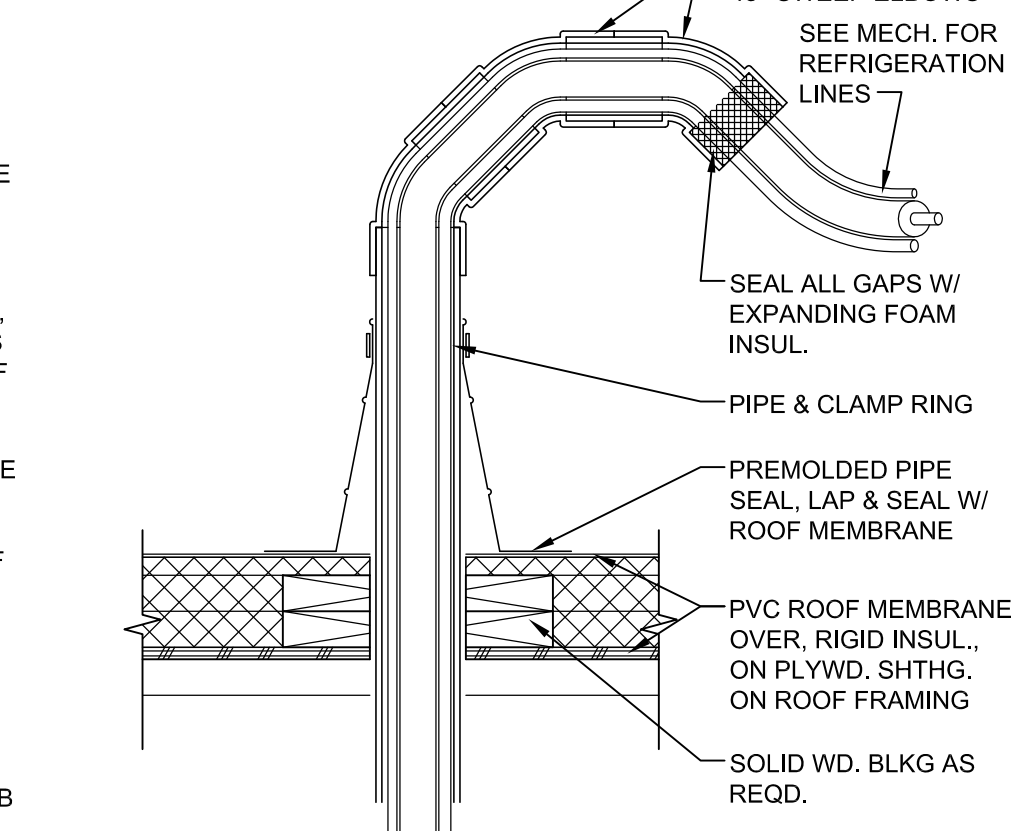
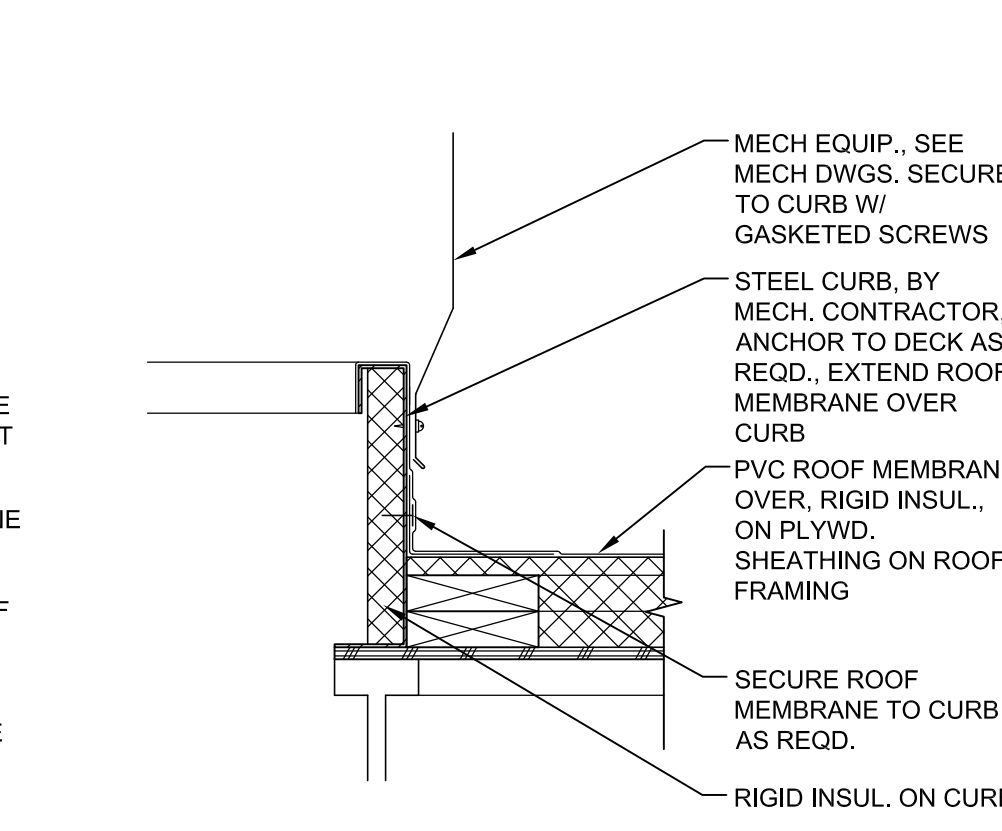
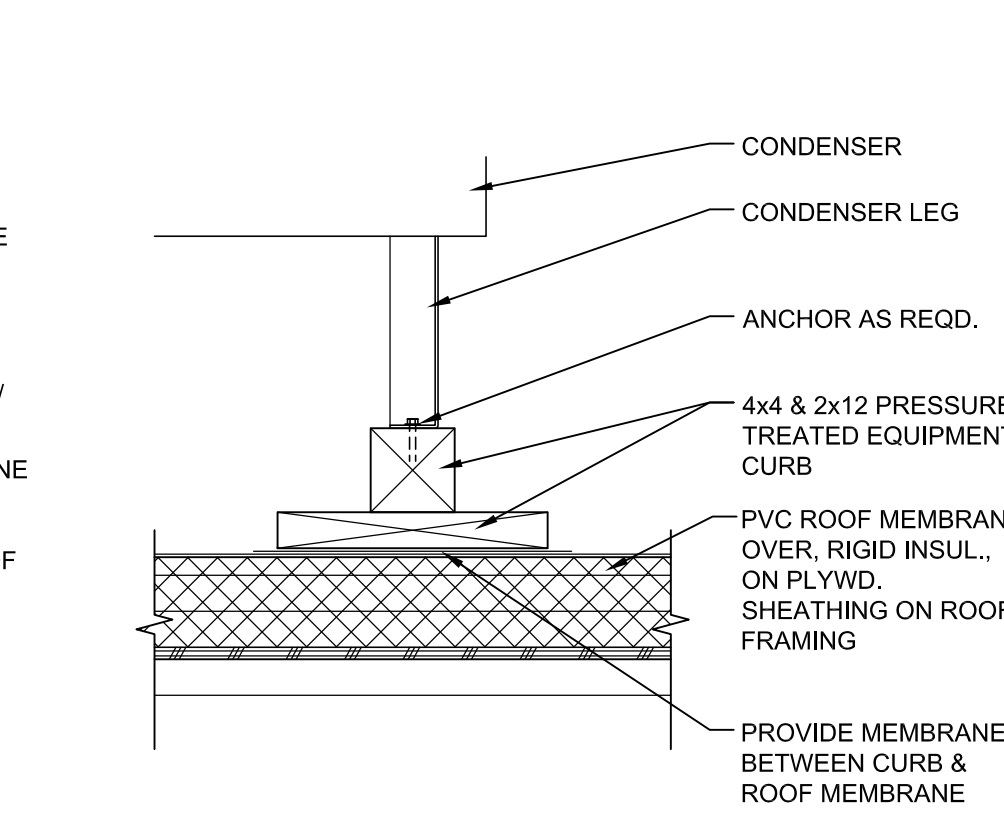
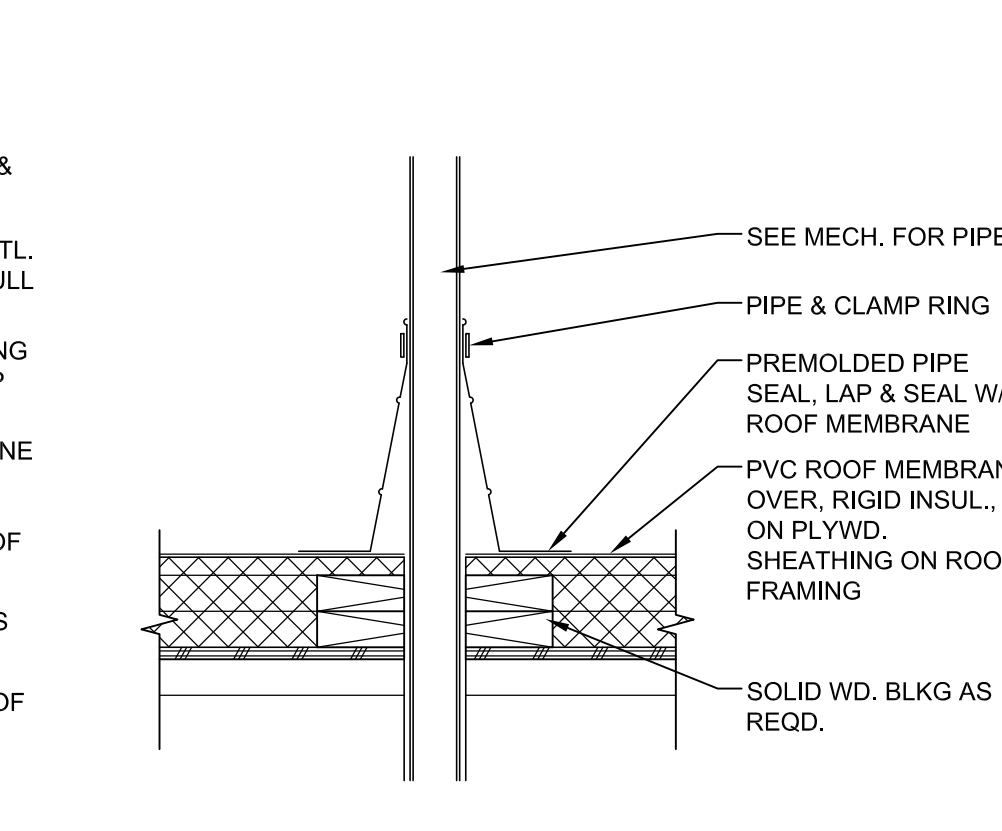
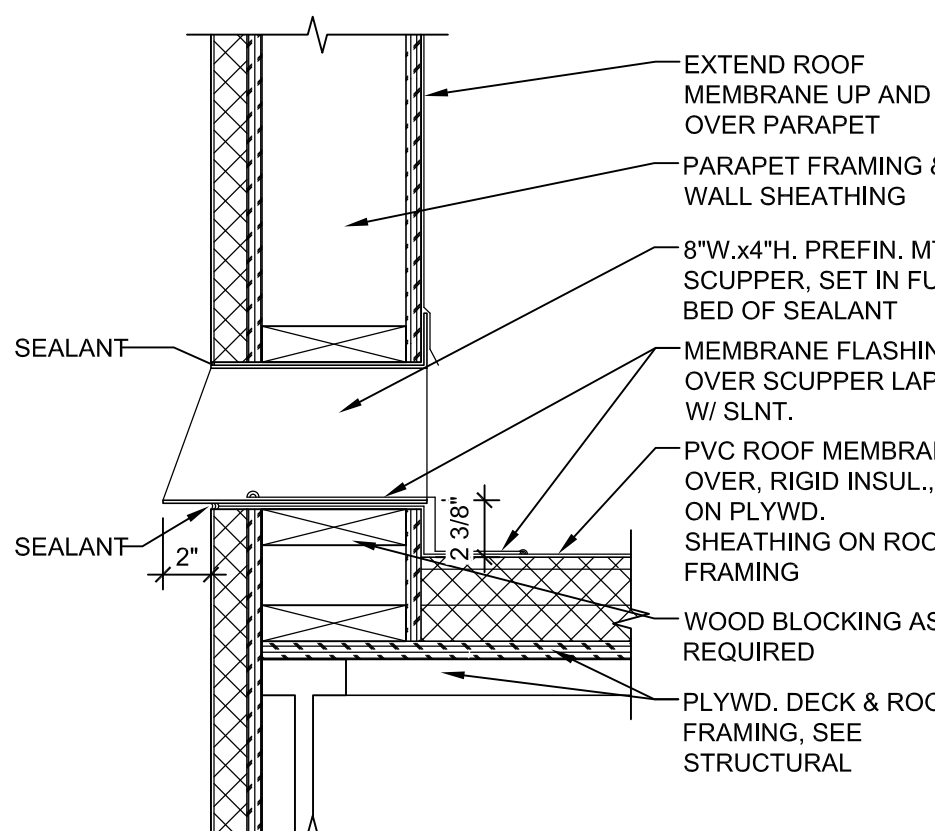
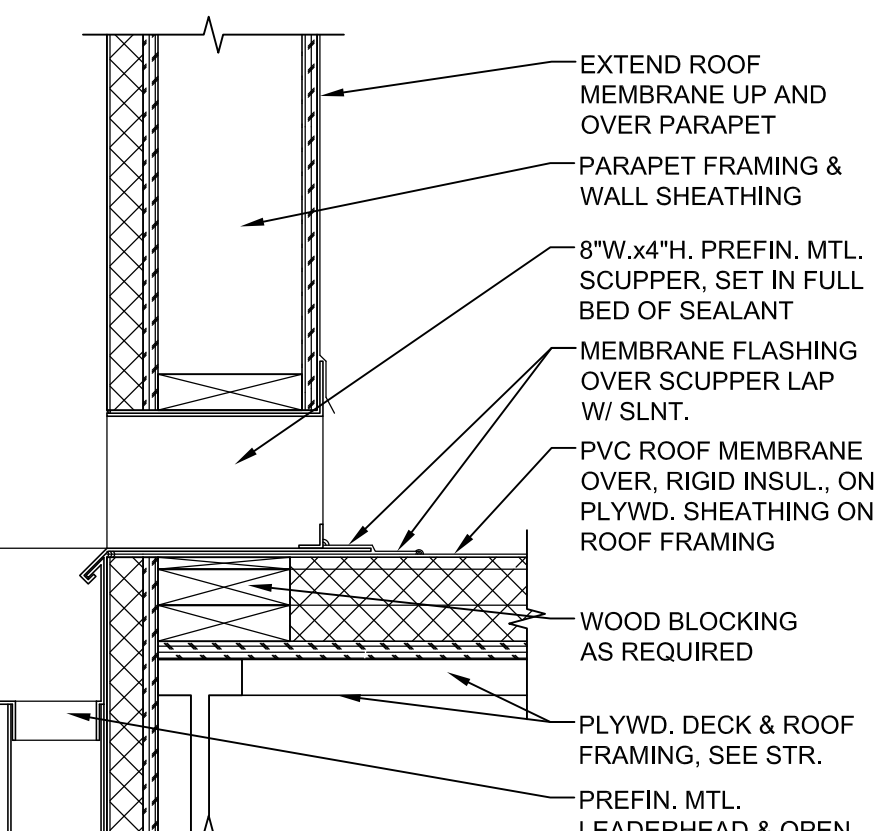
1. ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR: ALL ROOF FLASHING AND COUNTER FLASHING; PROVIDING AND INSTALLING SWALES, SCUPPERS, GUTTERS, DOWNSPOUTS AND ANY OTHER ROOF DRAINAGE ITEMS AS REQUIRED
2. ELECTRICAL AND GAS CONNECTIONS SHALL COME THRU HVAC CURBS. HVAC UNITS PROVIDED W/ ELECTRICAL AND GAS LINES PREINSTALLED. CONNECTIONS BELOW ROOF WILL BE REQUIRED
3. COORDINATE LOCATION AND SIZE OF ALL ROOF TOP EQUIPMENT WITH MECHANICAL AND STRUCTURAL
4. RTU MUST BE PROPERLY ALIGNED ON ROOF CURB TO ENSURE AIR SUPPLY AND RETURNS ARE NOT OBSTRUCTED.
5. GENERAL CONTRACTOR TO PROVIDE AND INSTALL A FLEXIBLE WALKWAY SYSTEM ON ROOFTOP FROM POINT OF ROOF ACCESS TO ALL ITEMS THAT REQUIRE SERVICE.
6. WHITE 50 MIL. PVC ROOF SYSTEM. NATIONAL PRICING AVAILABLE THROUGH DURALAST SEE NATIONAL VENDORS LIST.
7. WHITE 50 MIL. PVC ROOF SYSTEM AT WALK-IN. PROVIDED BY WALK-IN SUPPLIER INSTALLED BY G.C.
8. MAINTAIN 3" CLEAR DIMENSION FROM END OF EYEBROW/CANOPY TO TOWER FINISH OR EXTERIOR WALL FINISH

ROOF PLAN NOTES

1. TAPERED ROOF INSULATION
2. HVAC EQUIPMENT & CURBS BY MECHANICAL CONTRACTOR, SEE 6/A2.2
3. REFRIGERATION LINESET PENETRATION AS REQUIRED, SEE 7/A2.2. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
4. WATER HEATER EXHAUST AND COMBUSTION AIR INTAKE. VERIFY ROOF PENETRATION REQUIREMENTS, SPACING, AND HEIGHTS WITH MANUFACTURERS REQUIREMENTS AND PREVAILING CODES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
5. THRU WALL SCUPPER TO DOWNSPOUT AND THRU WALL OVERFLOW SCUPPER, SEE 2/A2.2 & 3/A2.2. ROOFING CONTRACTOR TO COORDINATE WITH EIFS AND ALPOLIC INSTALLERS TO PROVIDE A LEAKPROOF ASSEMBLY. WRAP AND SEALPROOF IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS
6. PREFINISHED METAL EYEBROW AND CANOPY
7. ROOF ACCESS, SEE ELEVATION
8. CONDENSER, SEE 5/A2.2 & SEE MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS. SHIM AS REQUIRED TO ENSURE UNITS ARE PLUMB AND LEVEL
9. PLUMBING VENT, SEE 4/A2.2. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
10. ROOFTOP CONDENSERS AND LINE-SETS PART OF WALK-IN COOLER/FREEZER PACKAGE
11. COOKING LINE EXHAUST FAN, SEE 6/A2.2 & MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS. MUST MAINTAIN 10'-0" CLEARANCE FROM ALL AIR INTAKE
12. RESTROOM EXHAUST FAN, SEE 6/A2.2 & MECH. DRAWINGS FOR INSTALLATION REQMTS & UNIT WEIGHTS
13. EYEBROW MOUNTED "GRILL & CHILL" SIGN



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



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

3 OVERFLOW SCUPPER DTL.
A2.2 SCALE: 1 1/2" = 1'-0"

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

5 CONDENSER CURB DTL.
A2.2 SCALE: 1 1/2" = 1'-0"

6 MECH. CURB DETAIL
A2.2 SCALE: 1 1/2" = 1'-0"

7 REF. PIPE PENETRATION DTL.
A2.2 SCALE: 1 1/2" = 1'-0"



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ROOF PLAN & DETAILS

SHEET NUMBER: **A2.2**



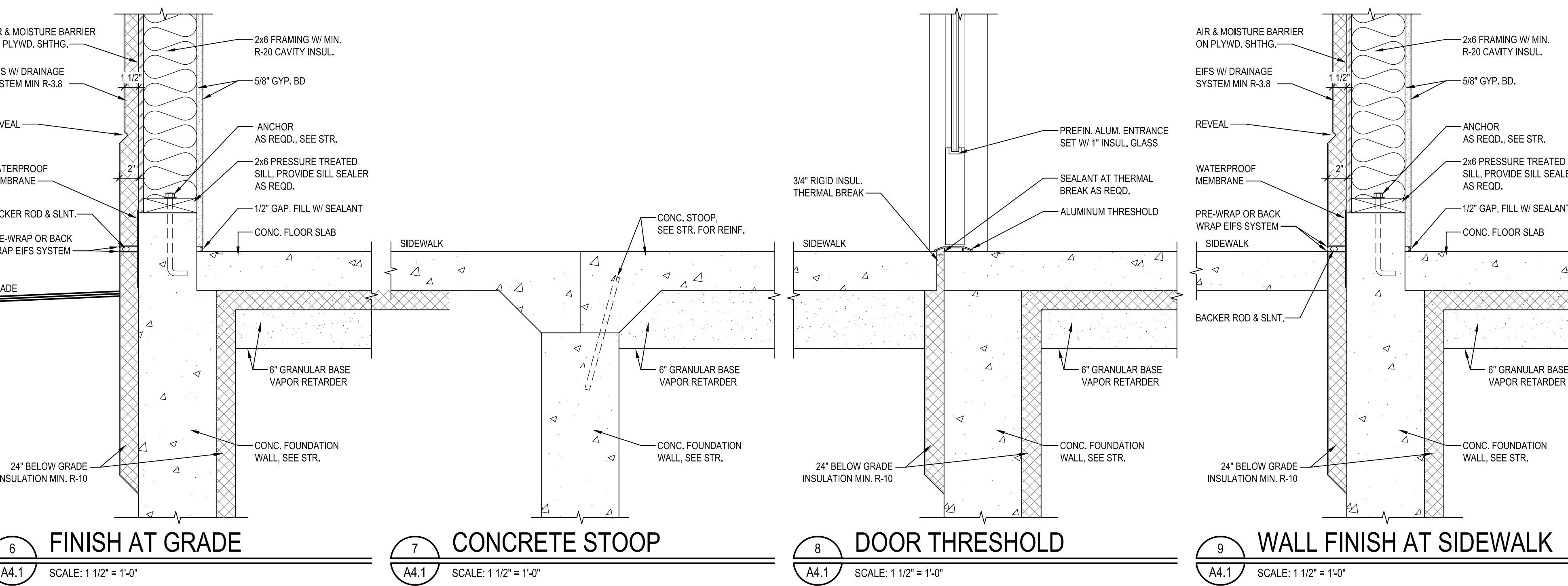
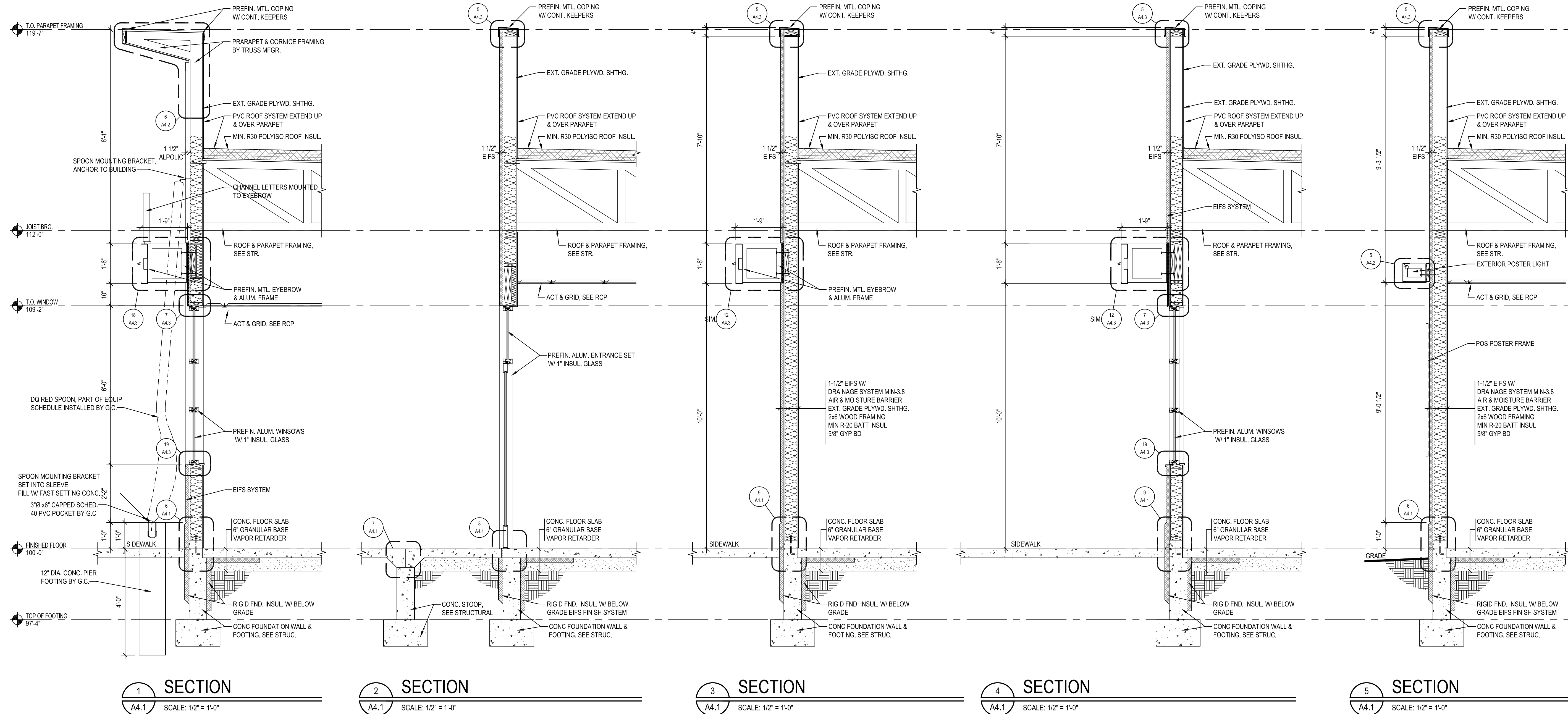
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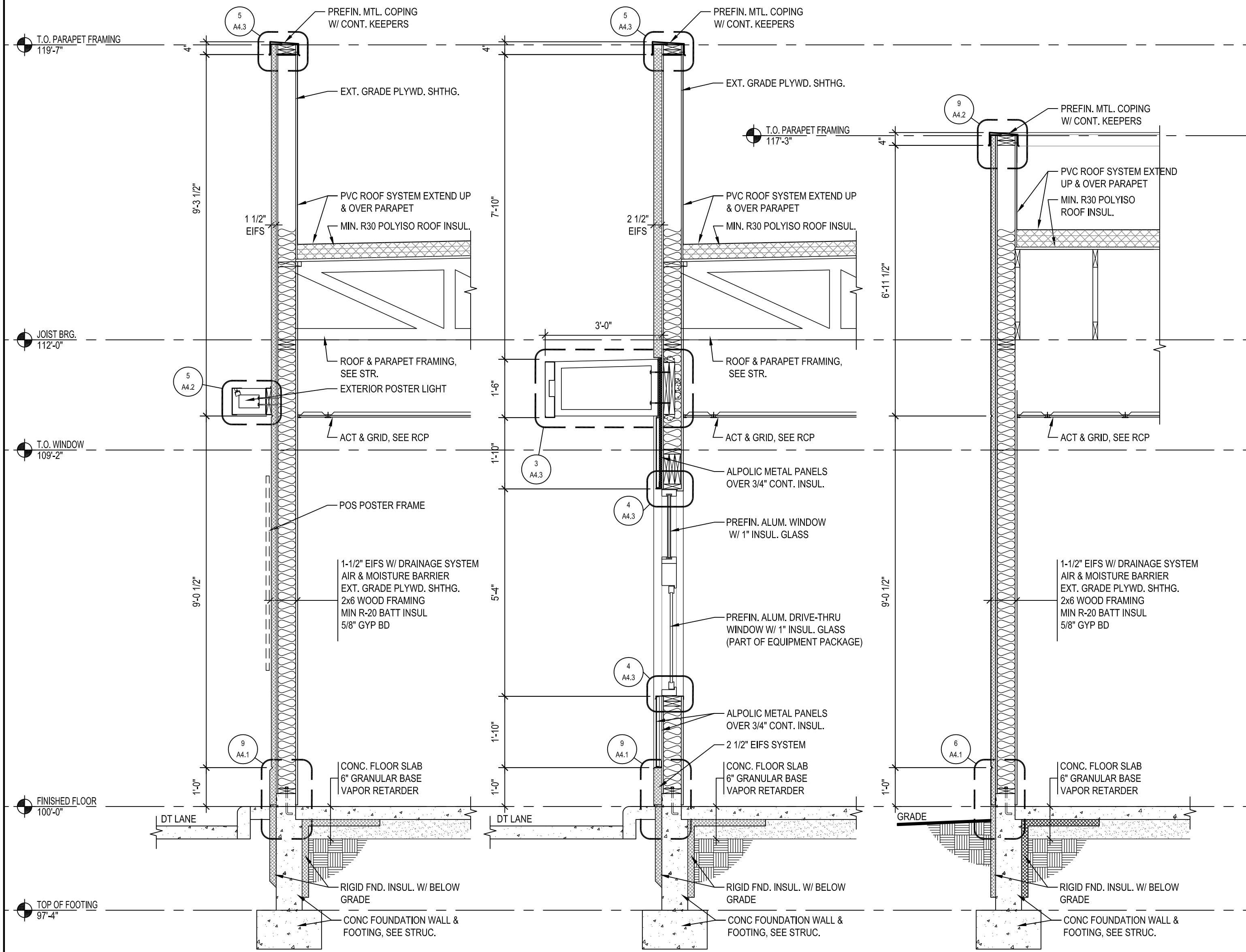
WALL SECTIONS & DETAILS

SHEET NUMBER:
A4.1



6 FINISH AT GRADE SCALE: 1 1/2" = 1'-0"
7 CONCRETE STOOP SCALE: 1 1/2" = 1'-0"
8 DOOR THRESHOLD SCALE: 1 1/2" = 1'-0"
9 WALL FINISH AT SIDEWALK SCALE: 1 1/2" = 1'-0"

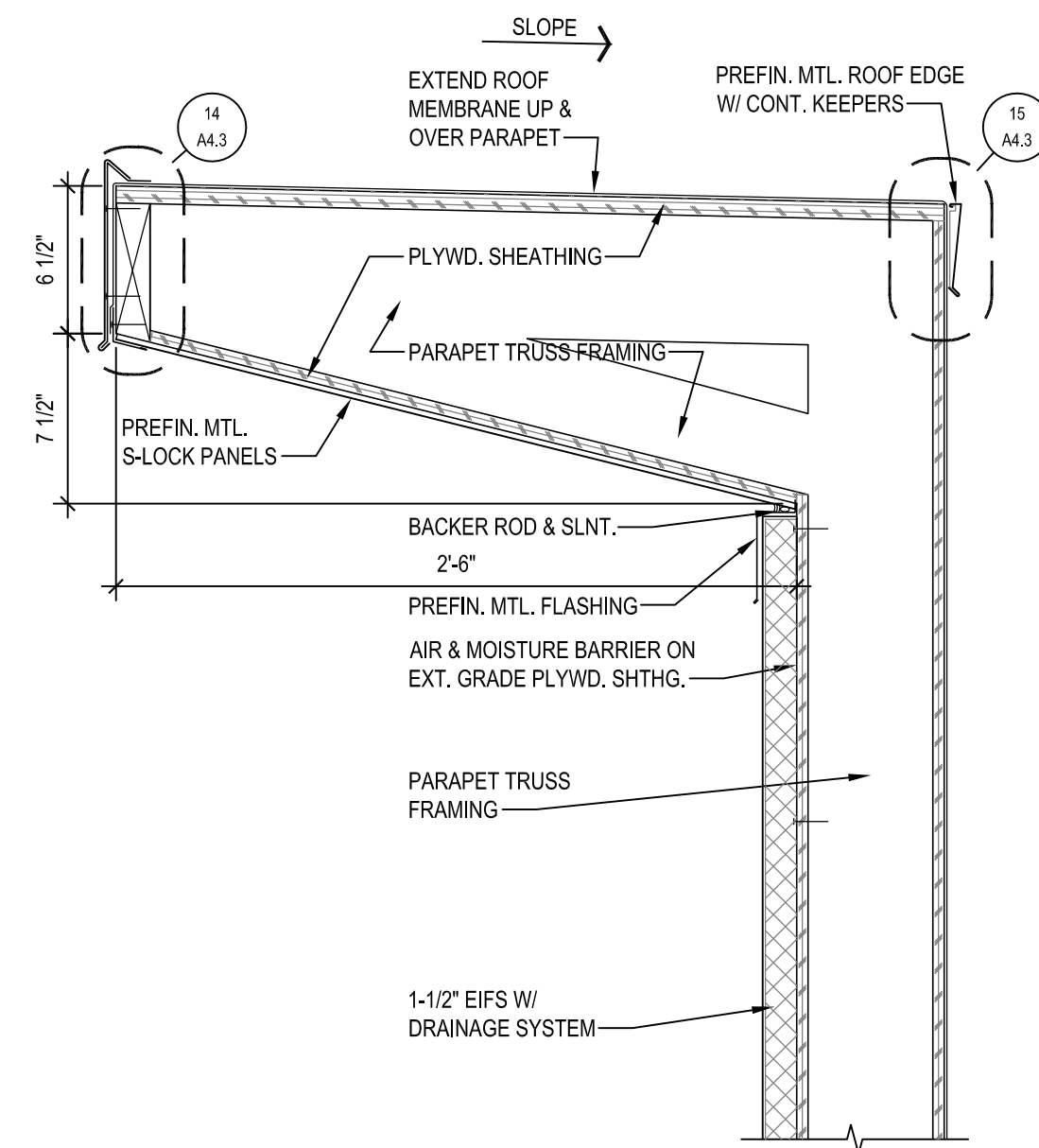
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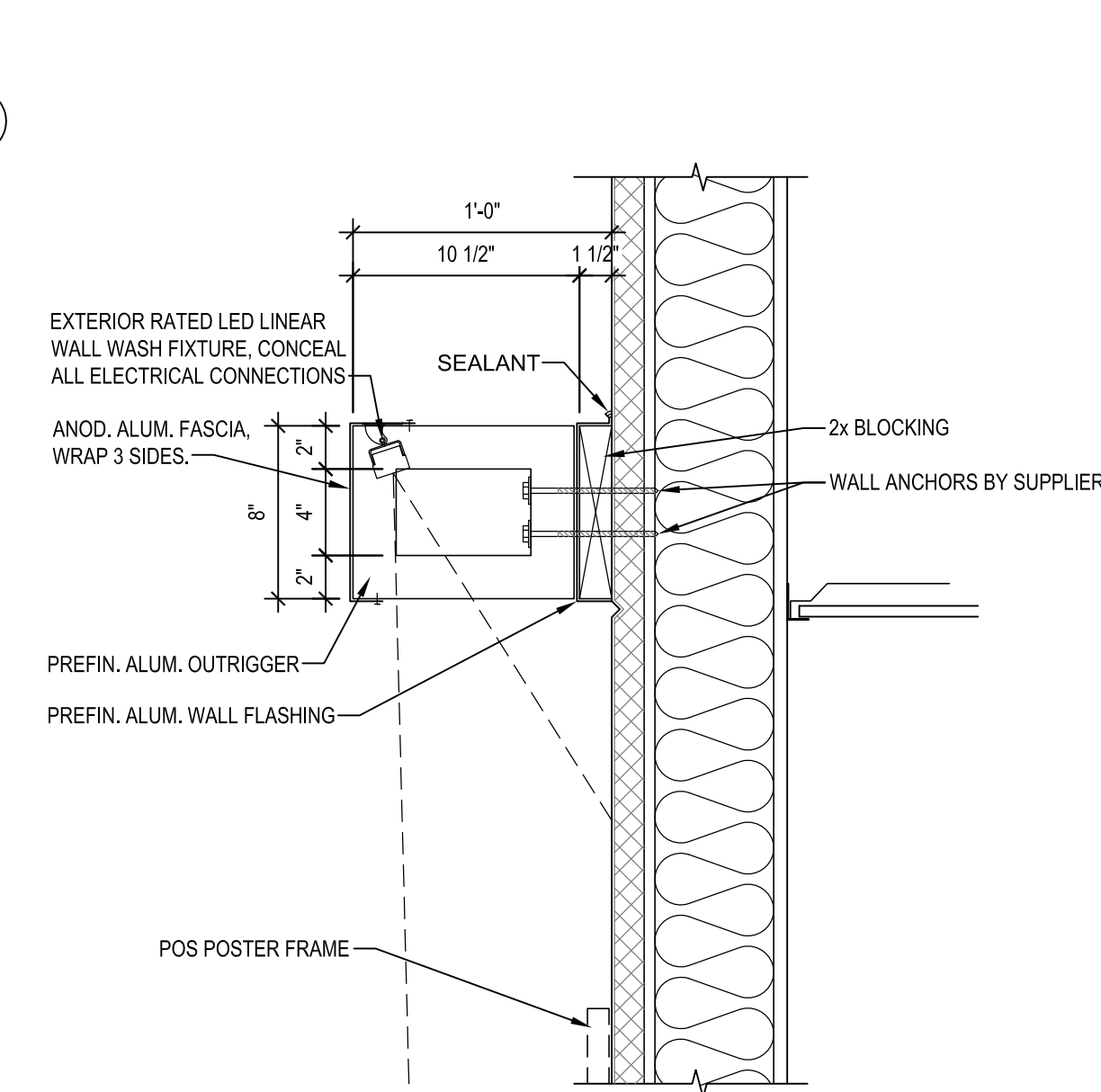
1 SECTION
 A4.2 SCALE: 1/2" = 1'-0"

2 SECTION
 A4.2 SCALE: 1/2" = 1'-0"

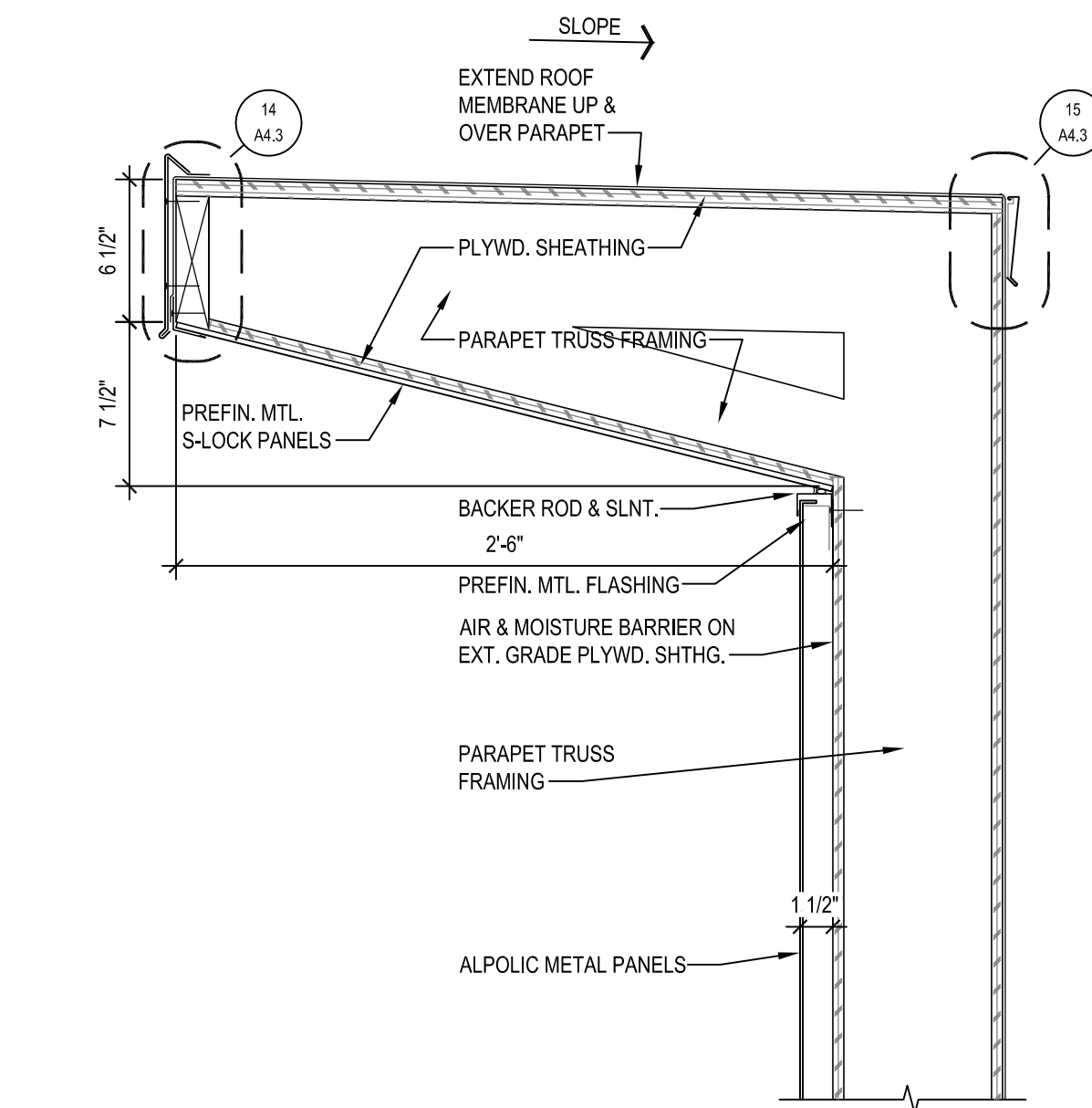
3 SECTION
 A4.2 SCALE: 1/2" = 1'-0"



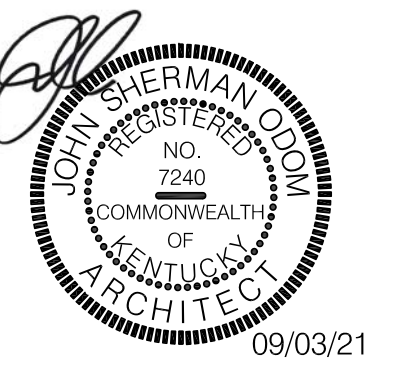
4 PARAPET DETAIL
 A4.2 SCALE: 1 1/2" = 1'-0"



5 EXTERIOR VALANCE LIGHT
 A4.2 SCALE: 1 1/2" = 1'-0"



6 PARAPET DETAIL
 A4.2 SCALE: 1 1/2" = 1'-0"



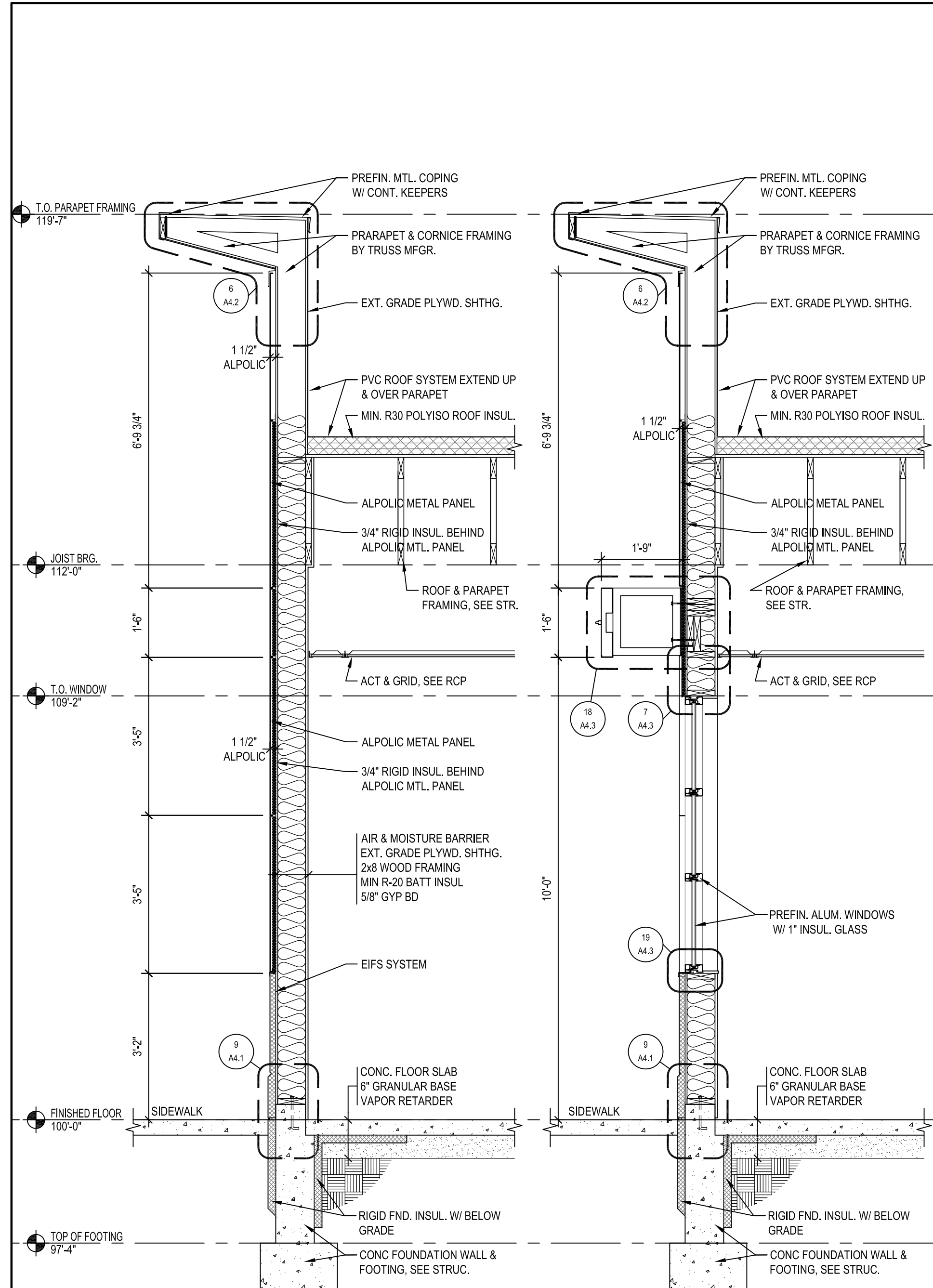
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WALL SECTIONS & DETAILS

SHEET NUMBER:
A4.2



1 SECTION
A4.3 SCALE: 1/2" = 1'-0"

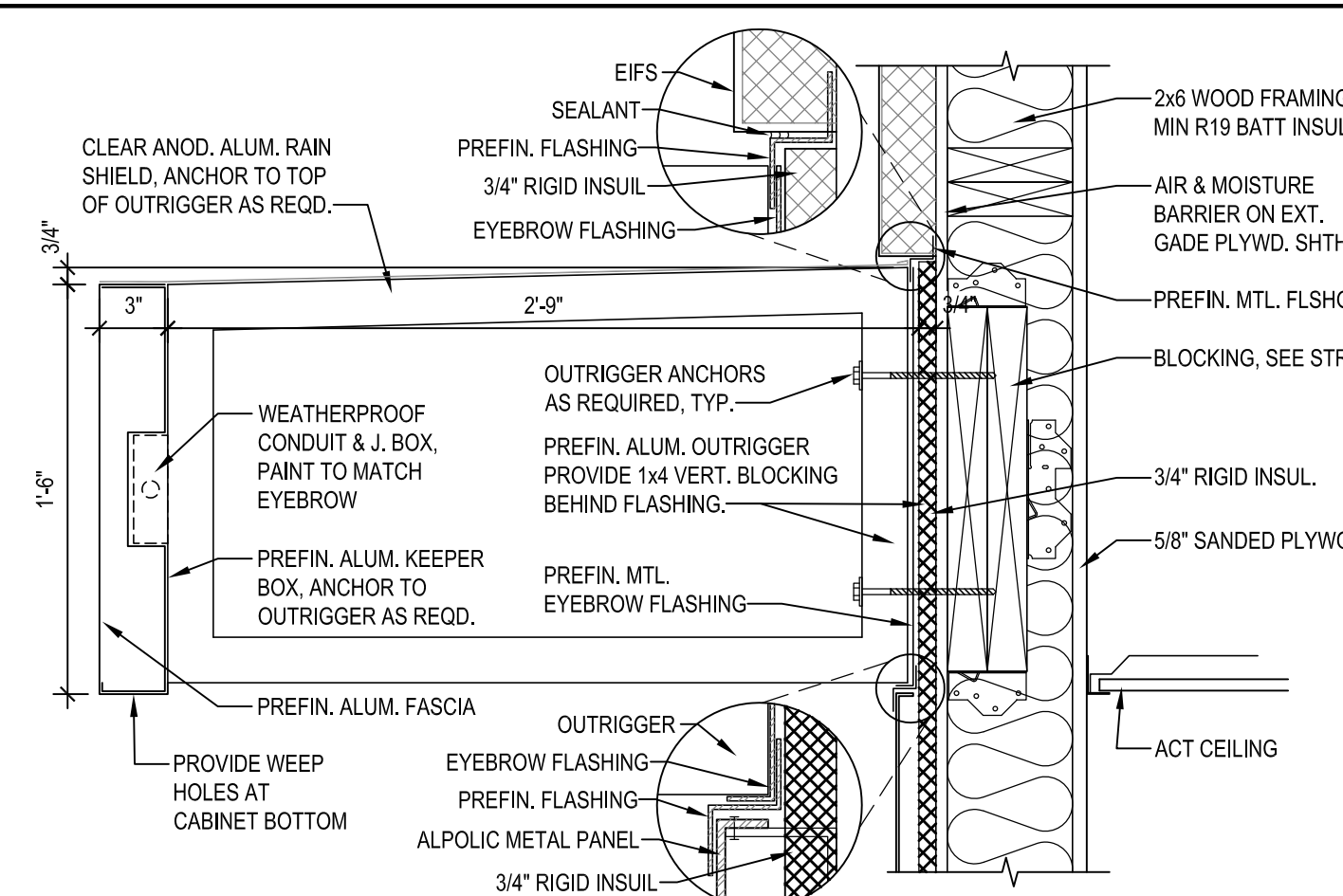
2 SECTION
A4.3 SCALE: 1/2" = 1'-0"

10 NOT USED
A4.3

11 NOT USED
A4.3

16 NOT USED
A4.3

17 NOT USED
A4.3

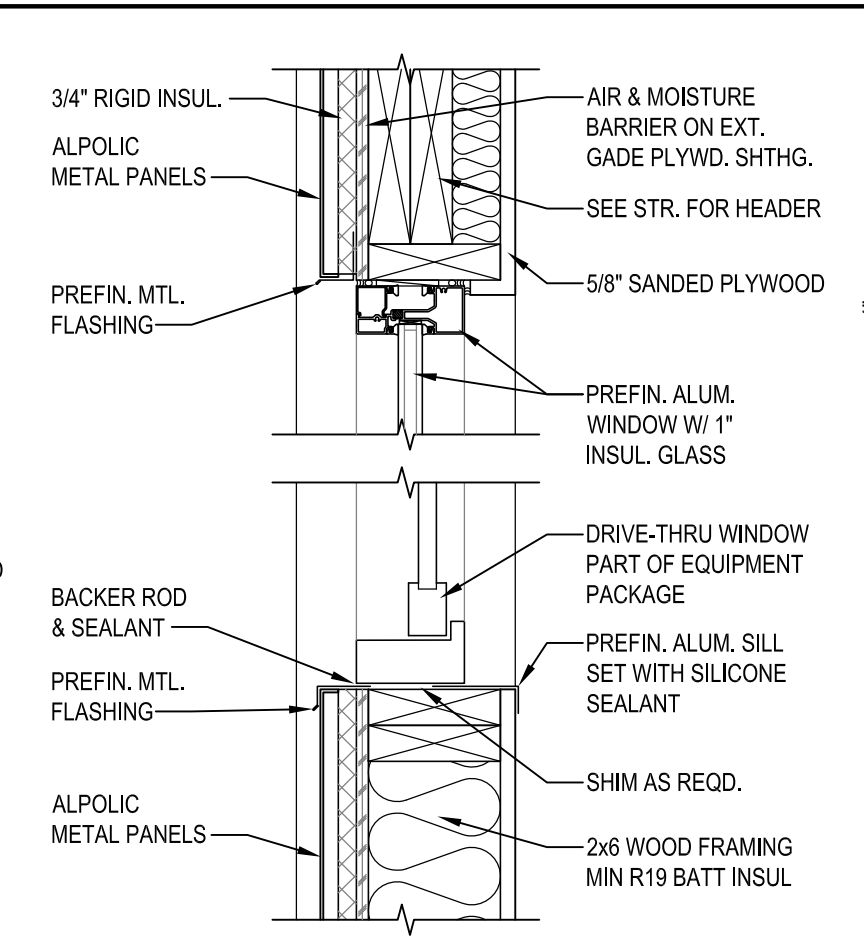


3 DT CANOPY DETAIL
A4.3 SCALE: 1 1/2" = 1'-0"

6 NOT USED
A4.3

12 EYEBROW DETAIL
A4.3 SCALE: 1 1/2" = 1'-0"

18 EYEBROW DETAIL
A4.3 SCALE: 1 1/2" = 1'-0"

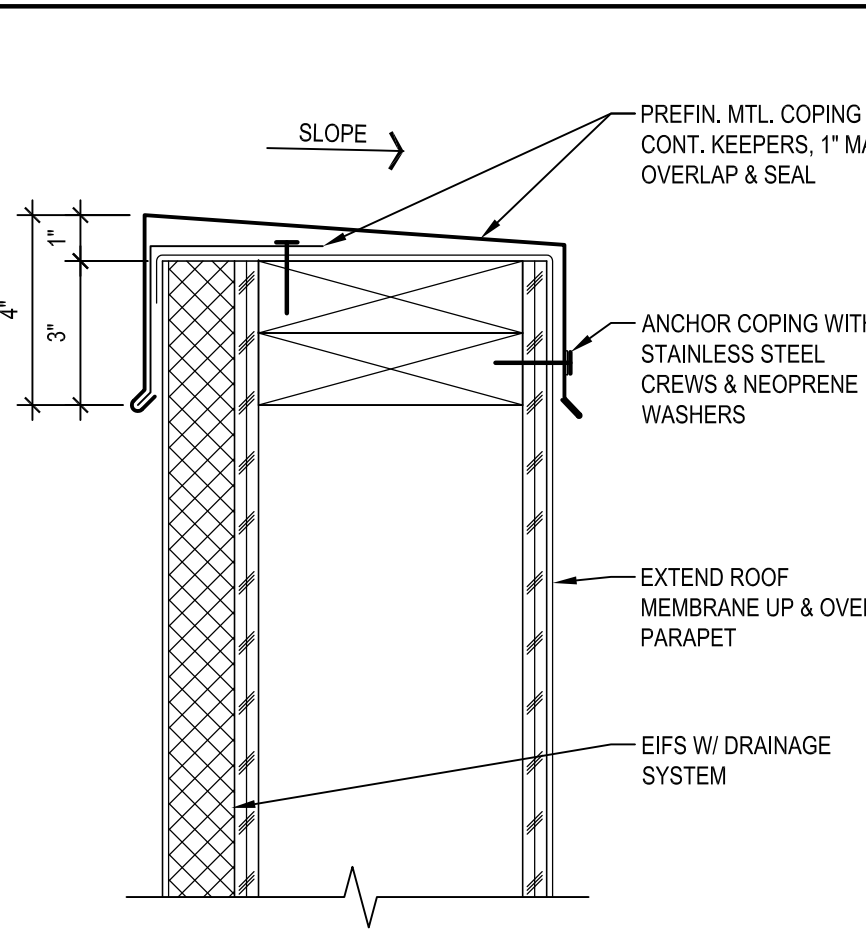


4 DT WINDOW DETAIL
A4.3 SCALE: 1 1/2" = 1'-0"

7 WINDOW HEAD DETAIL
A4.3 SCALE: 3" = 1'-0"

13 H.M. DOOR HEAD DTL.
A4.3 SCALE: 1 1/2" = 1'-0"

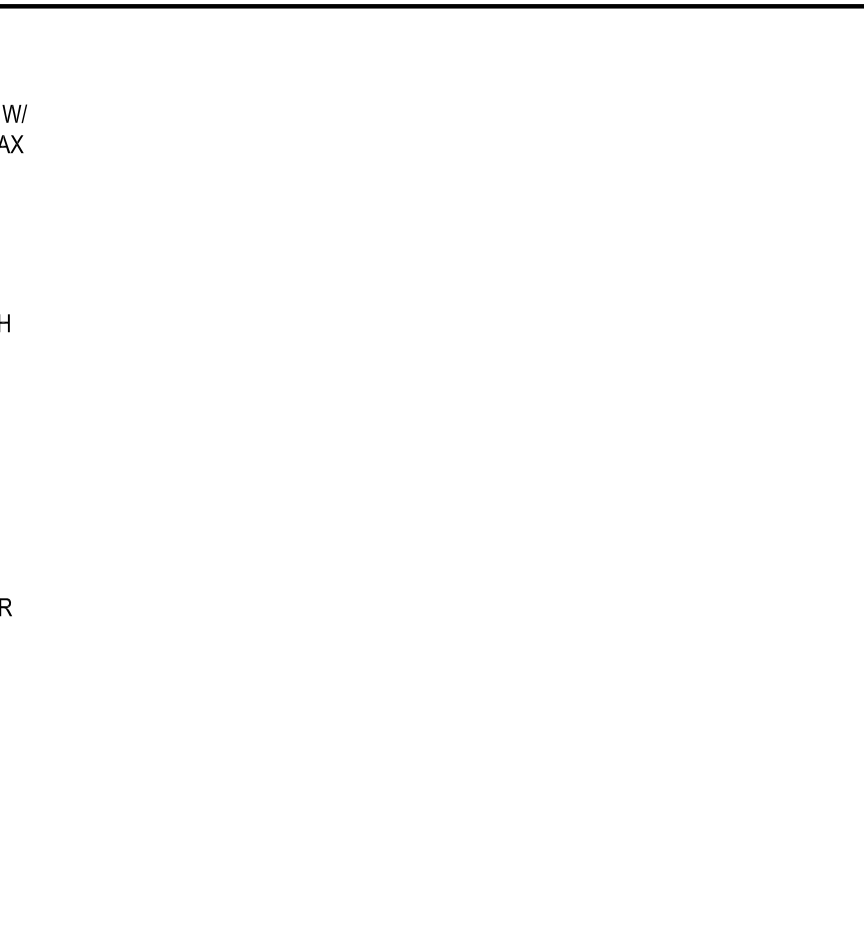
19 WINDOW DETAILS
A4.3 SCALE: 1 1/2" = 1'-0"



5 CAP FLASHING DETAIL
A4.3 SCALE: 3" = 1'-0"

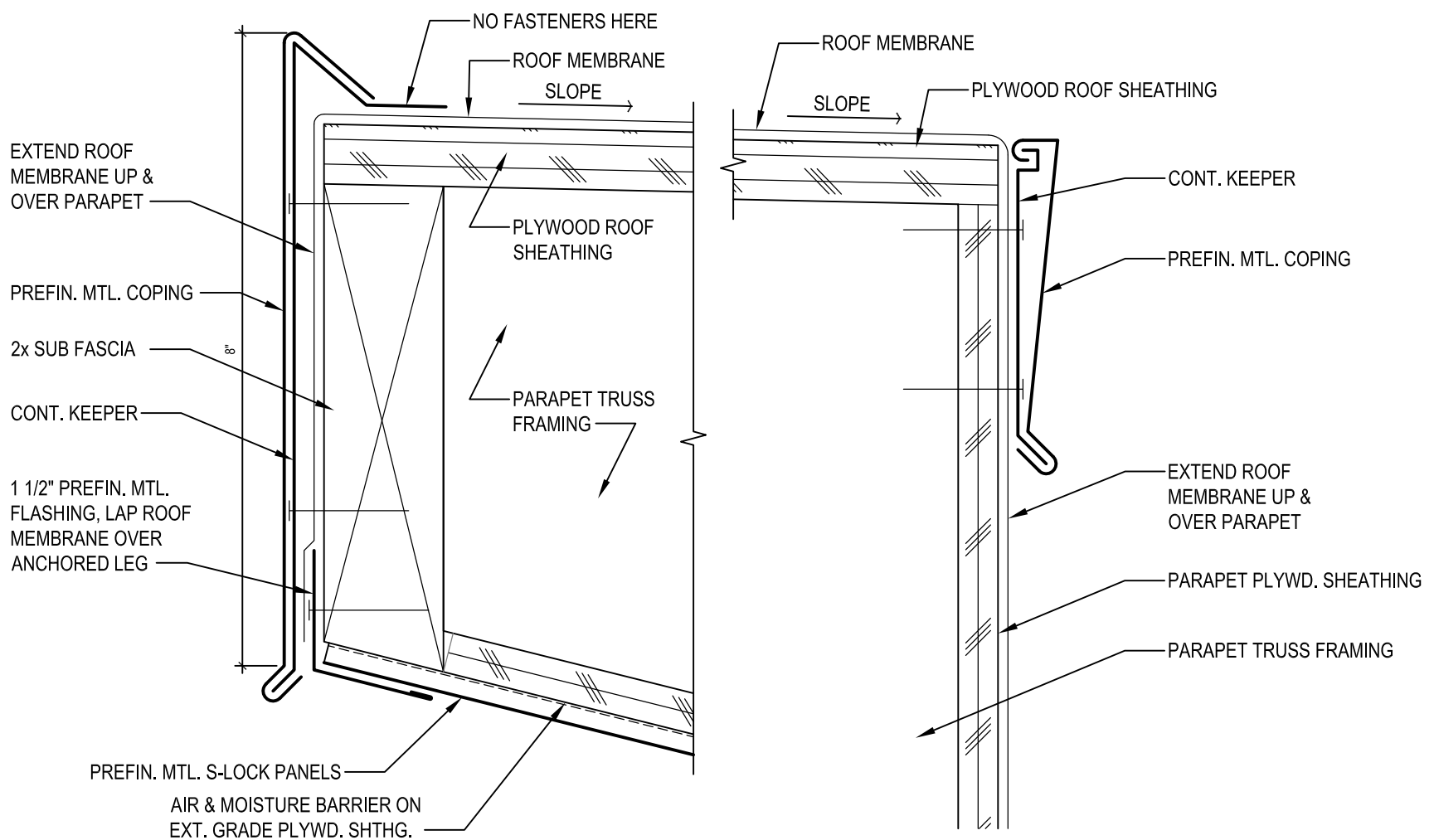
8 ALPOLIC PANEL JNT. DTL.
A4.3 SCALE: 6" = 1'-0"

14 CORNICE FASCIA DETAIL
A4.3 SCALE: 6" = 1'-0"



9 EIFS REVEAL DETAIL
A4.3 SCALE: 6" = 1'-0"

15 CORNICE ROOF EDGE DTL.
A4.3 SCALE: 6" = 1'-0"



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WALL SECTIONS & DETAILS

SHEET NUMBER:
A4.3

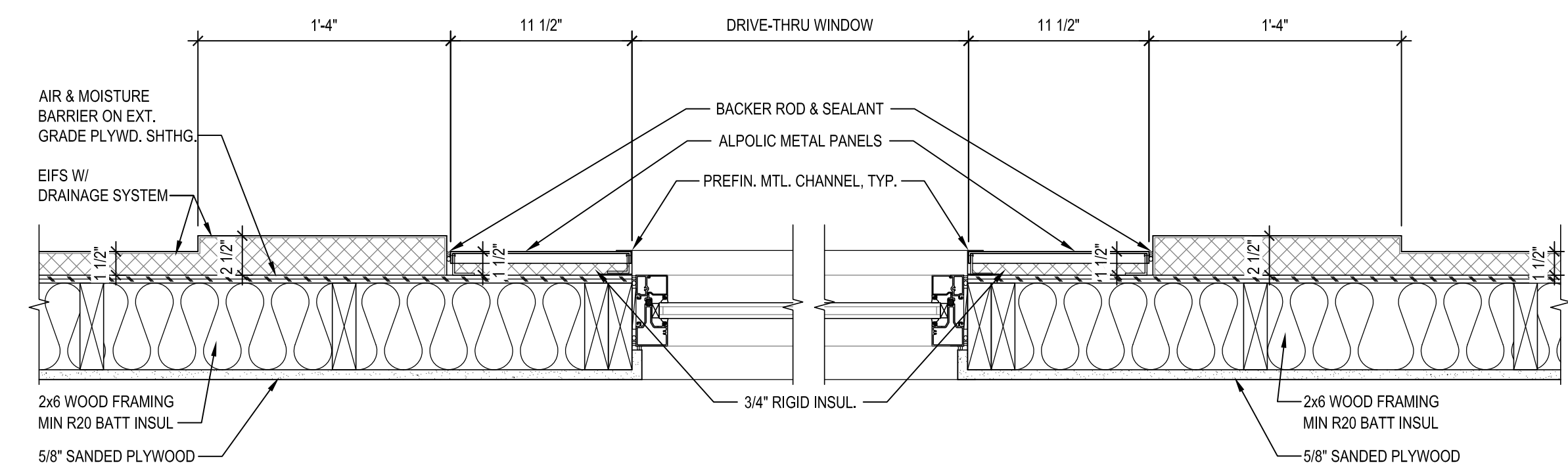
NEW BUILDING FOR:



GRILL & CHILL

BY PASS ROAD
BRANDENBURG, KY 40108

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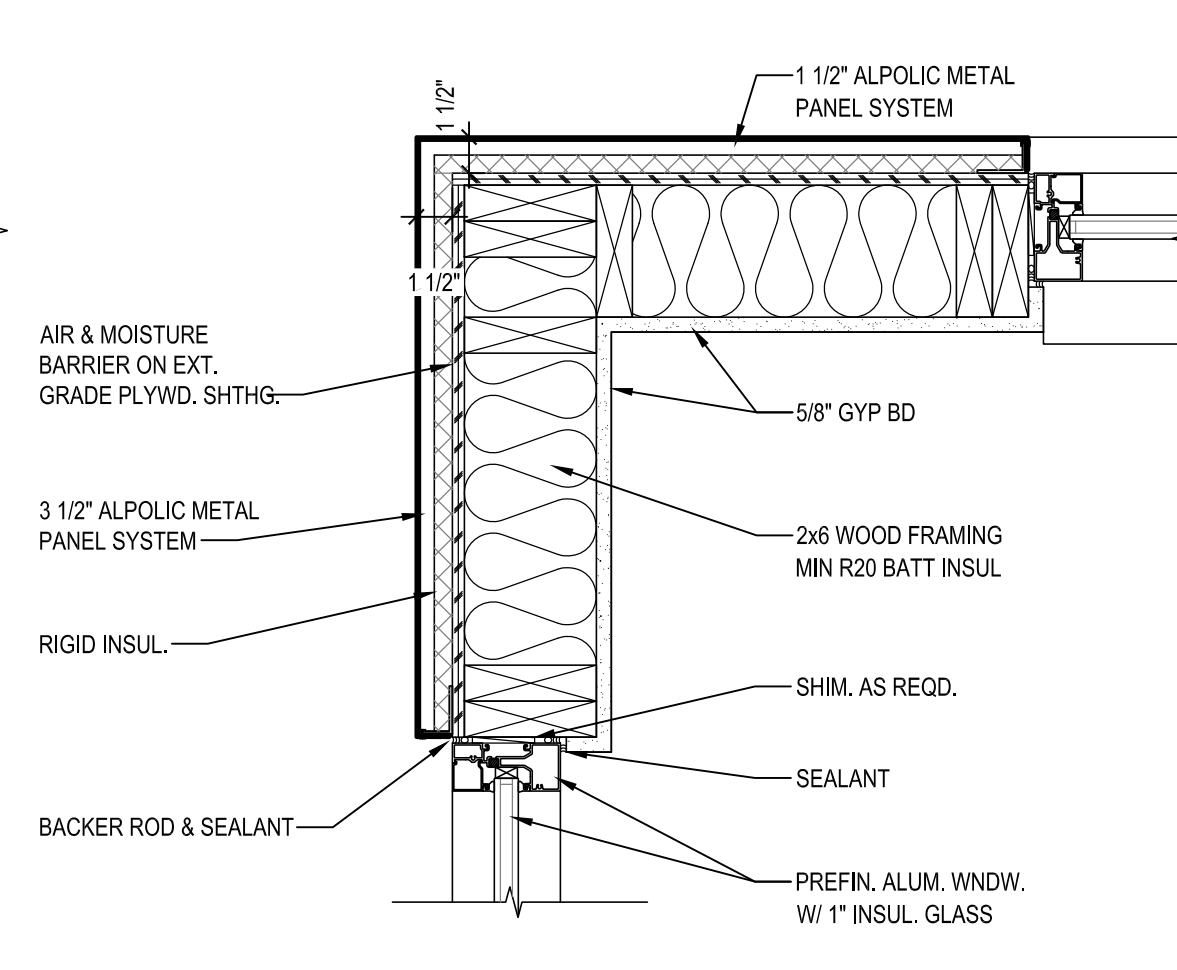
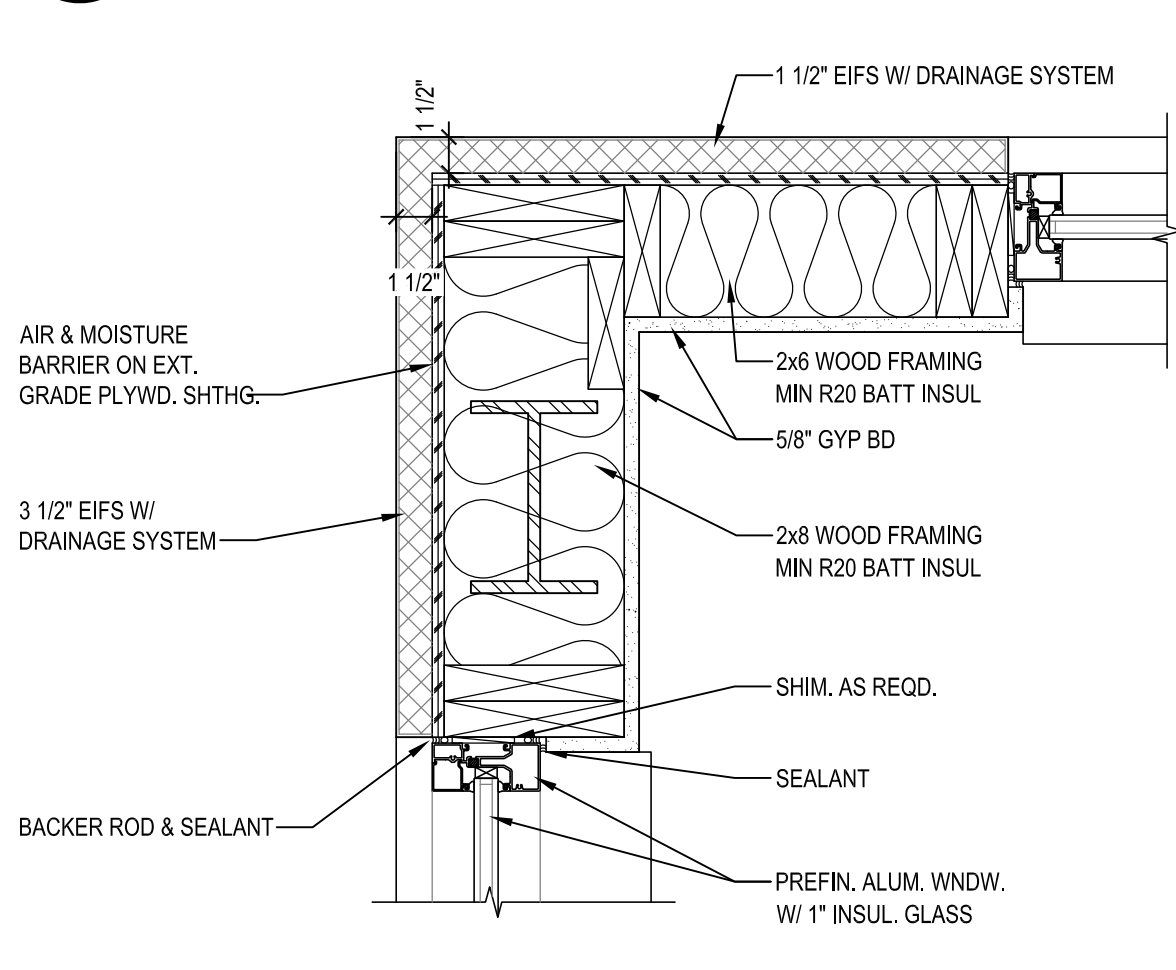
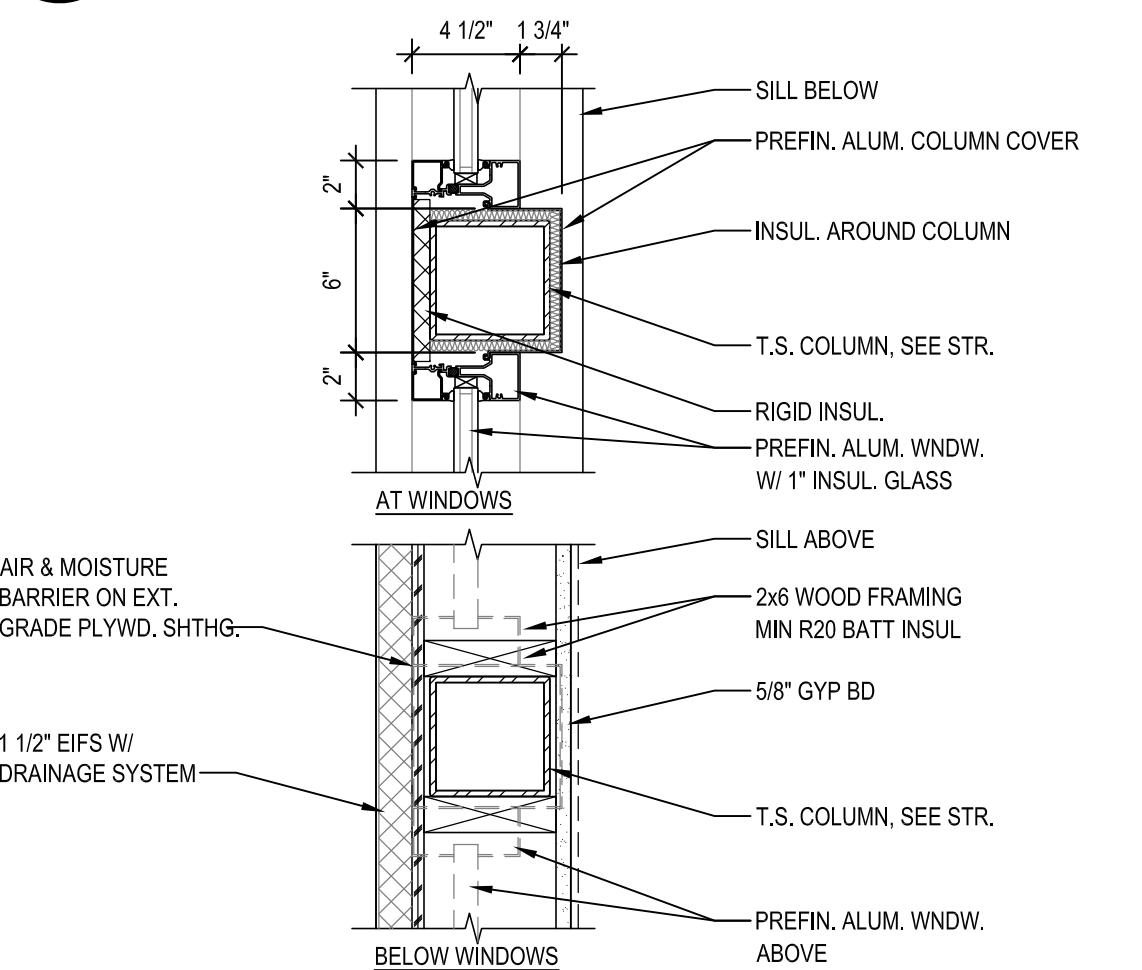


3 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

4 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

1 NOT USED
A4.4

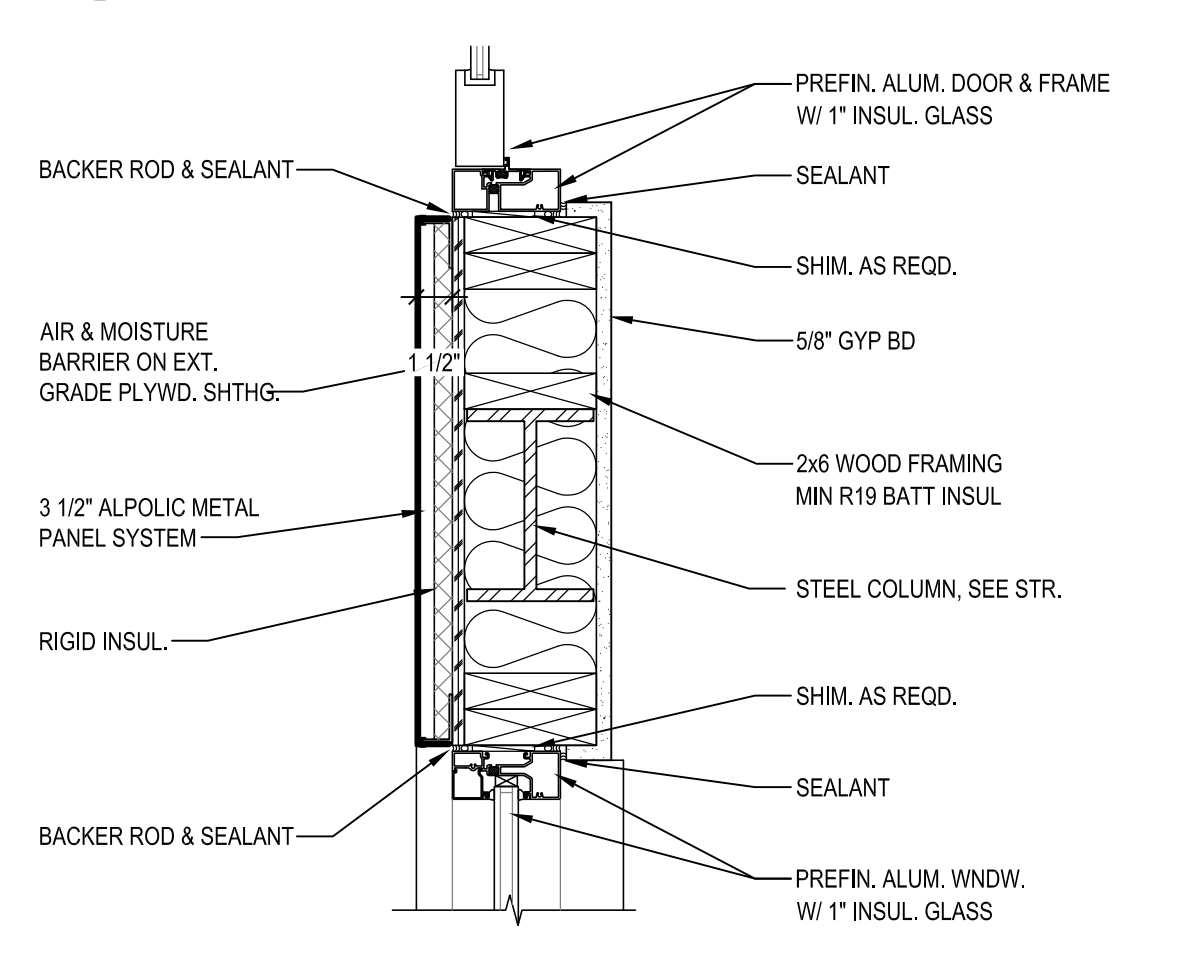
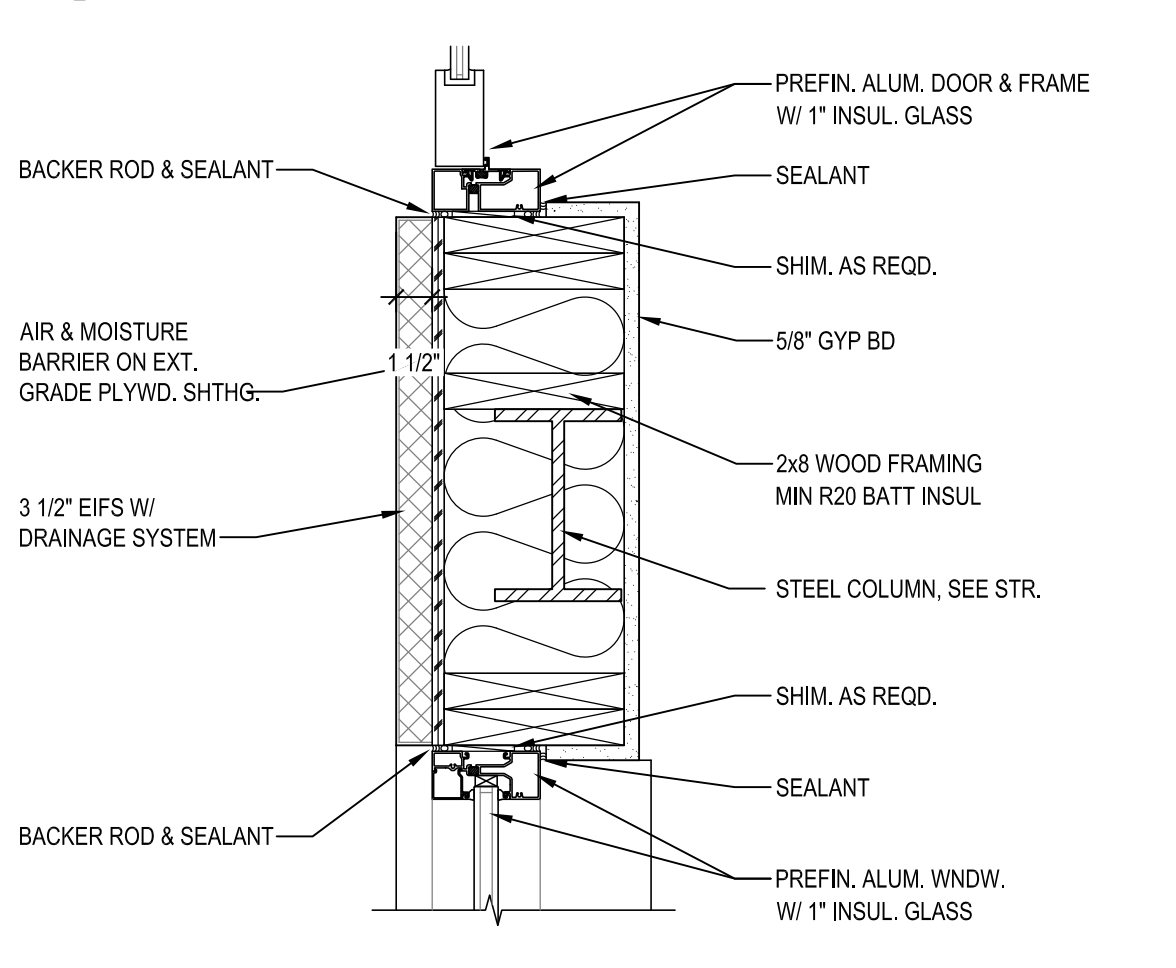
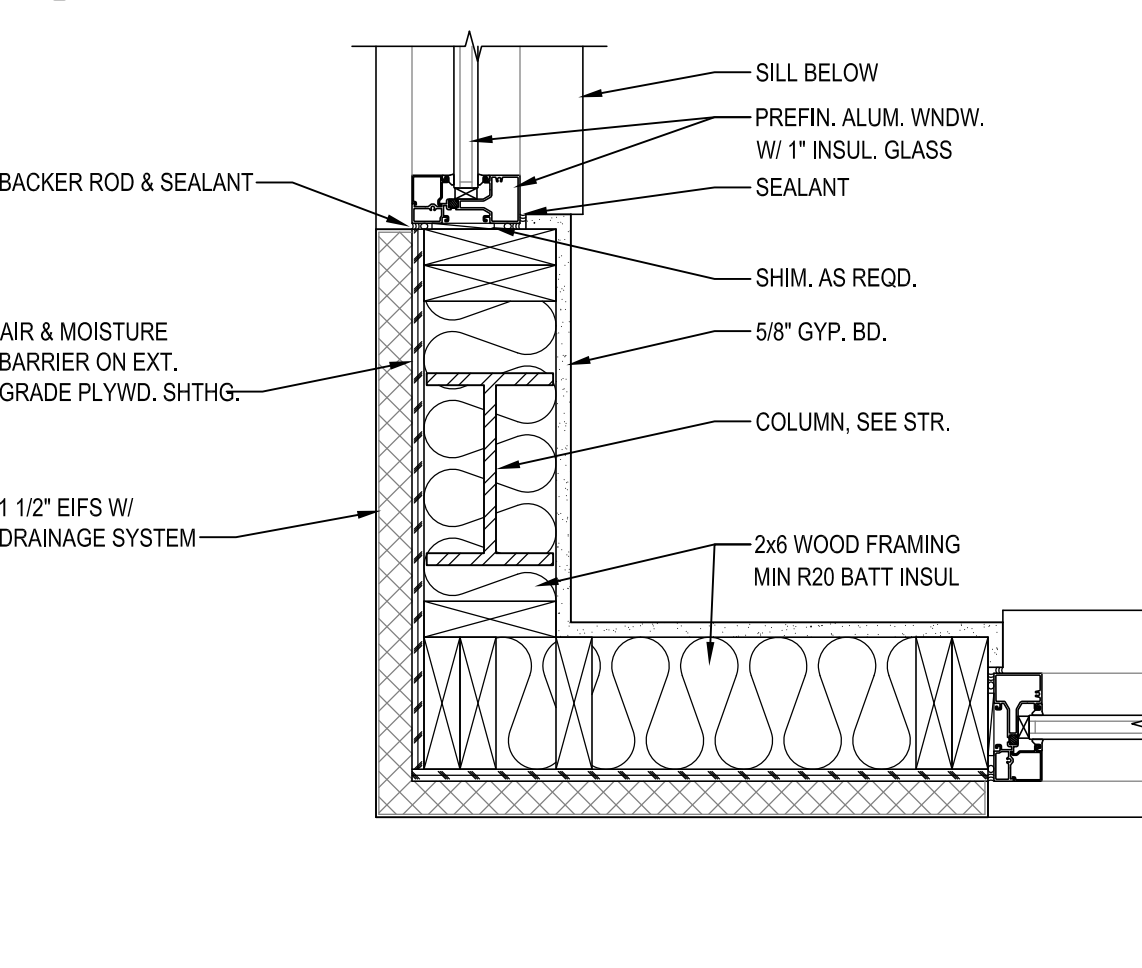
2 NOT USED
A4.4



7 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

8 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

9 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"



12 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

13 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"

14 PLAN DETAIL
A4.4 SCALE: 1 1/2" = 1'-0"



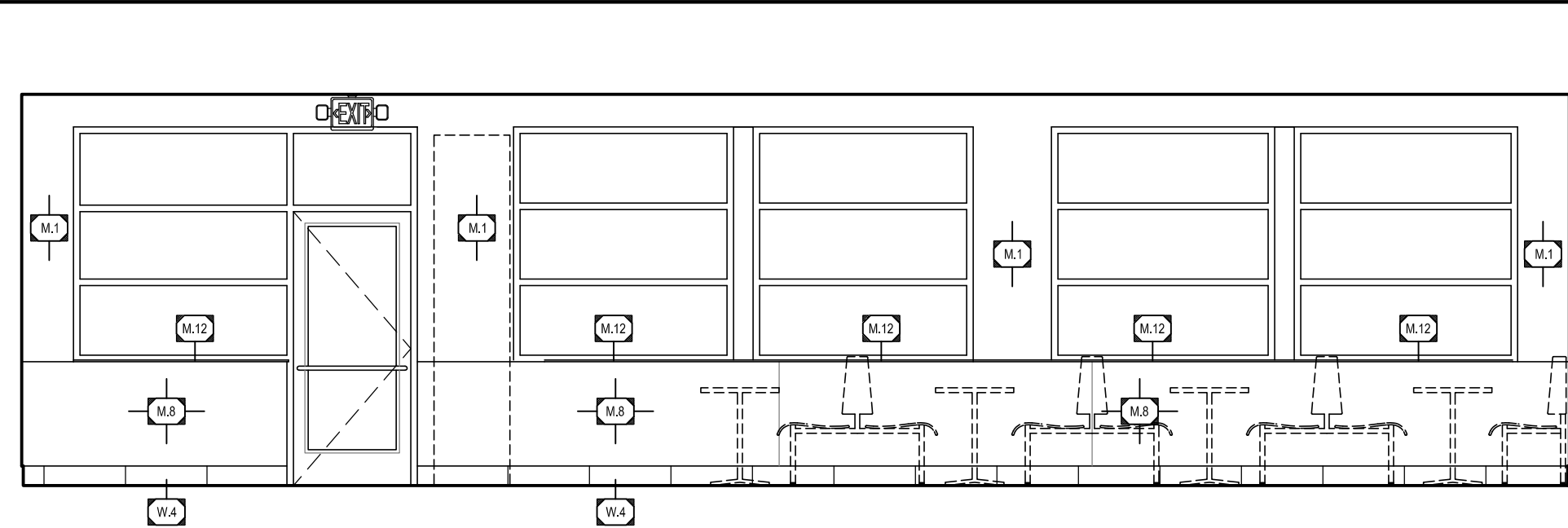
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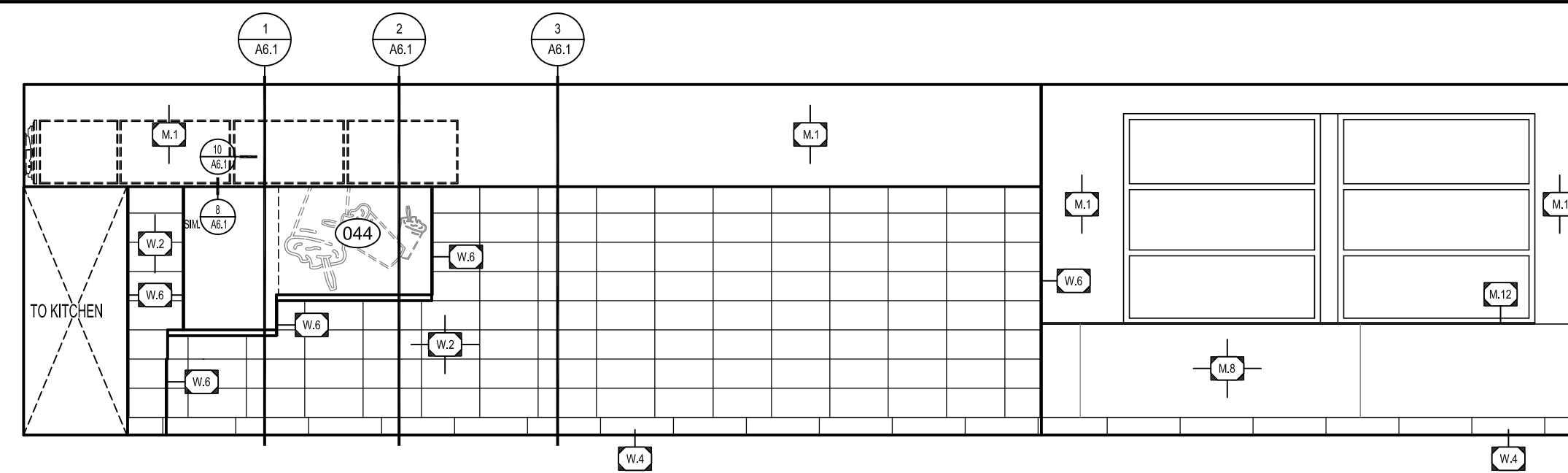
DETAILS

SHEET NUMBER:
A4.4



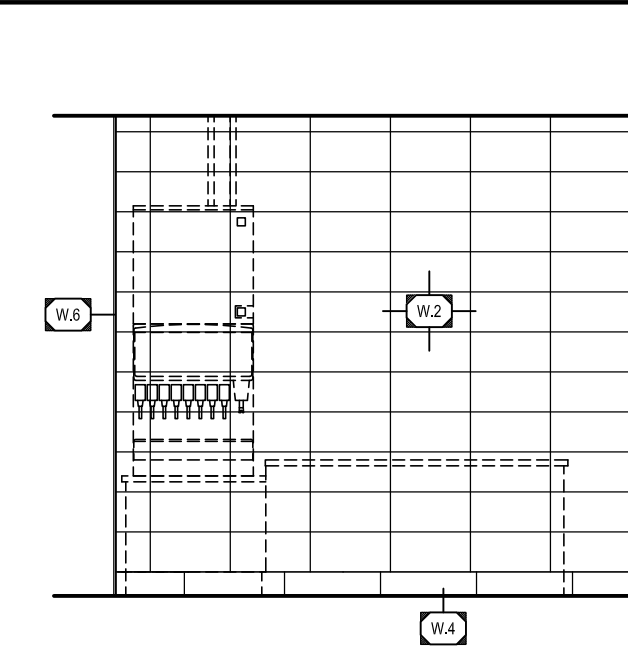
1 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



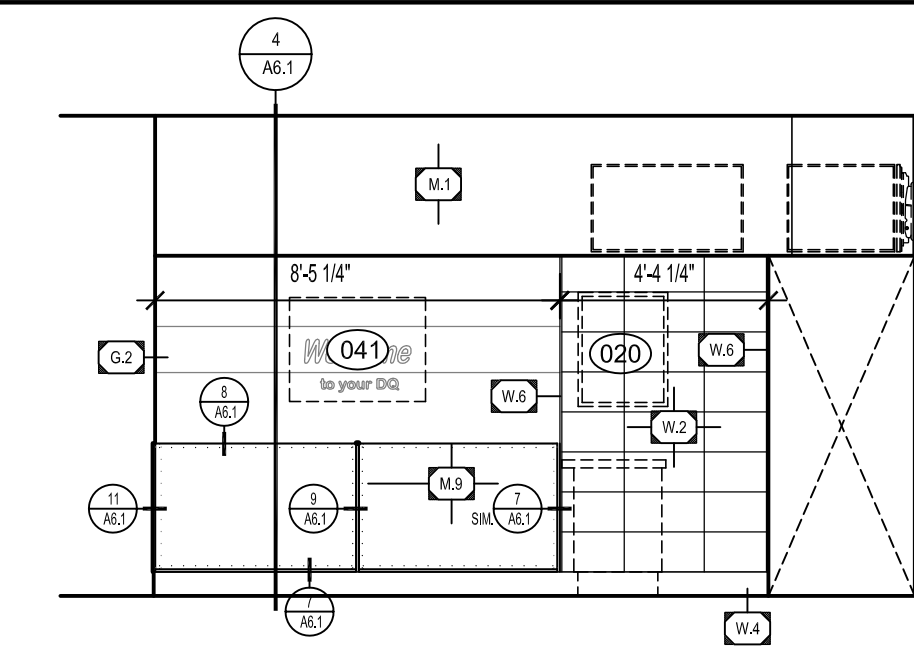
2 ELEVATION

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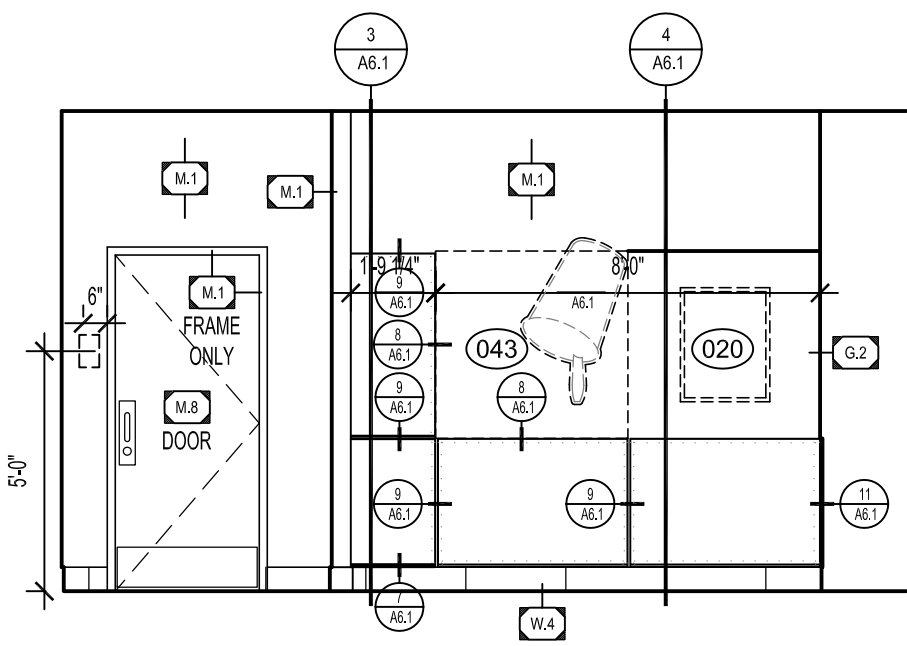
3 ELEVATION

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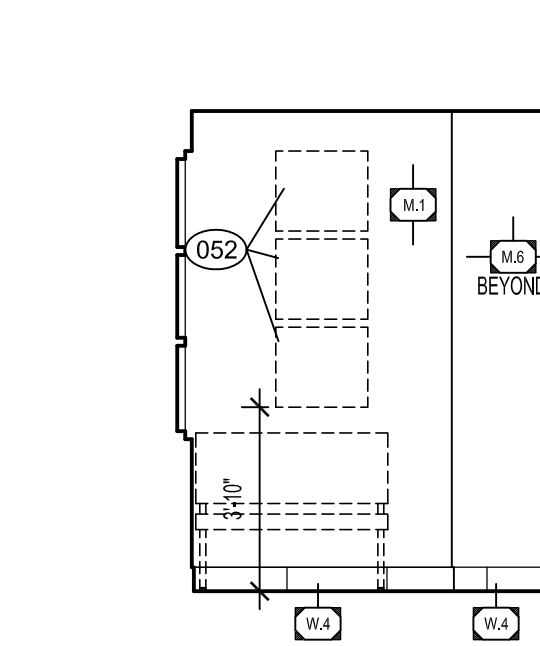
4 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



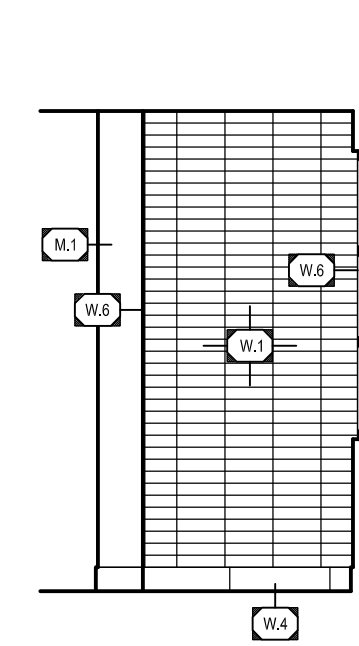
5 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



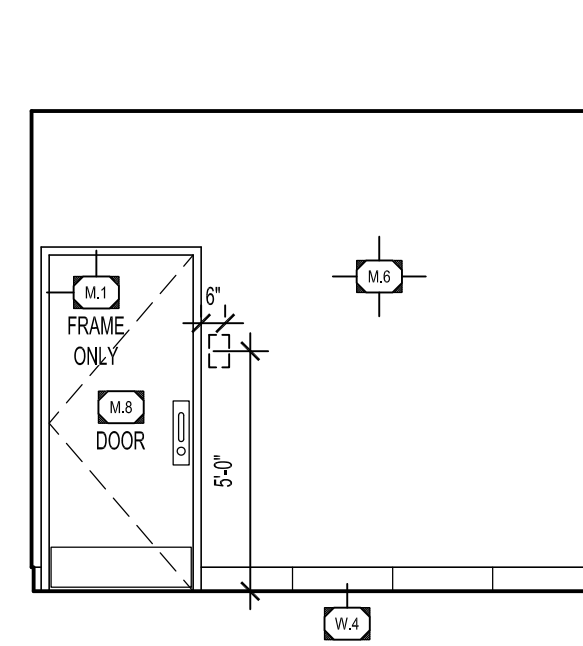
6 ELEVATION

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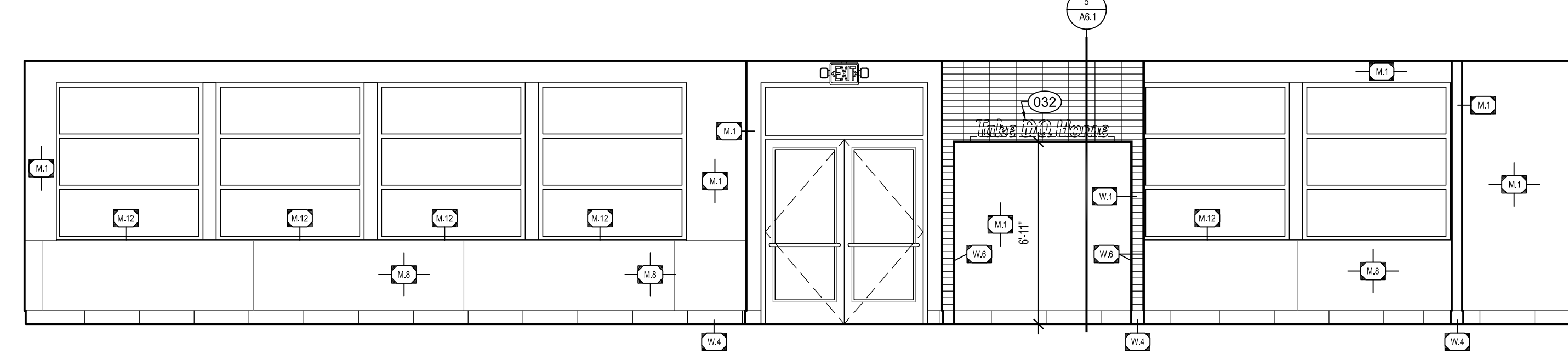
7 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



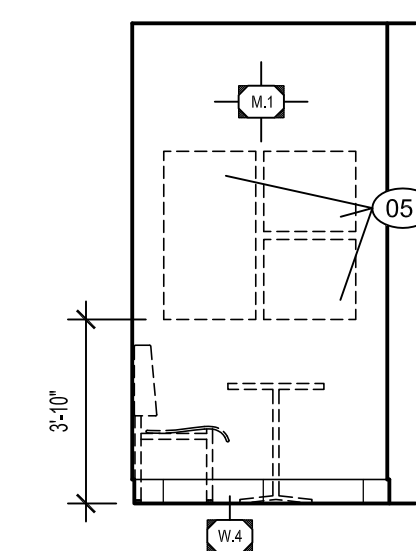
8 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



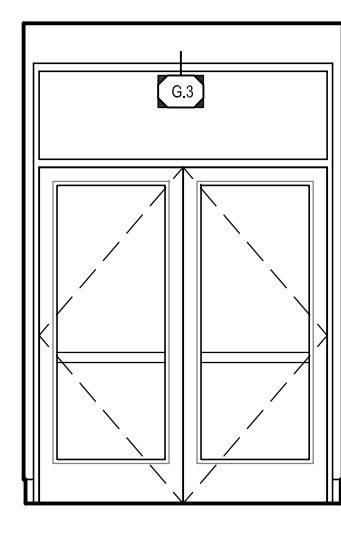
9 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



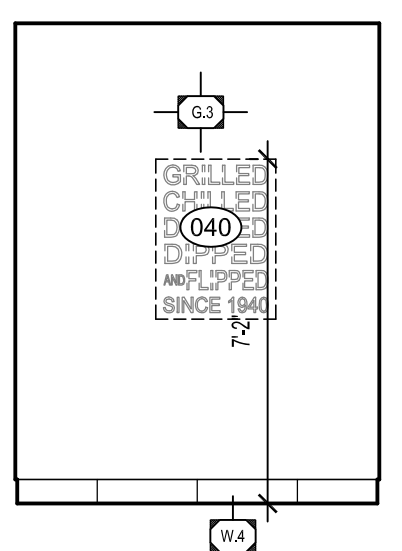
10 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



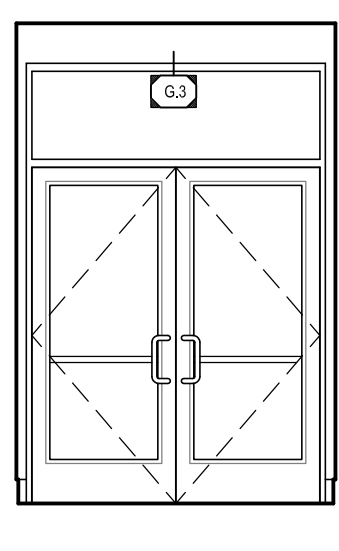
11 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



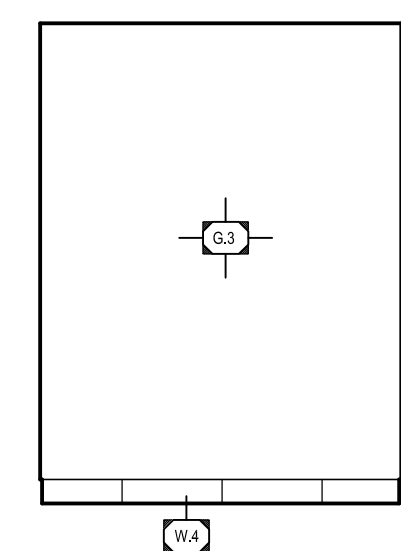
12 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



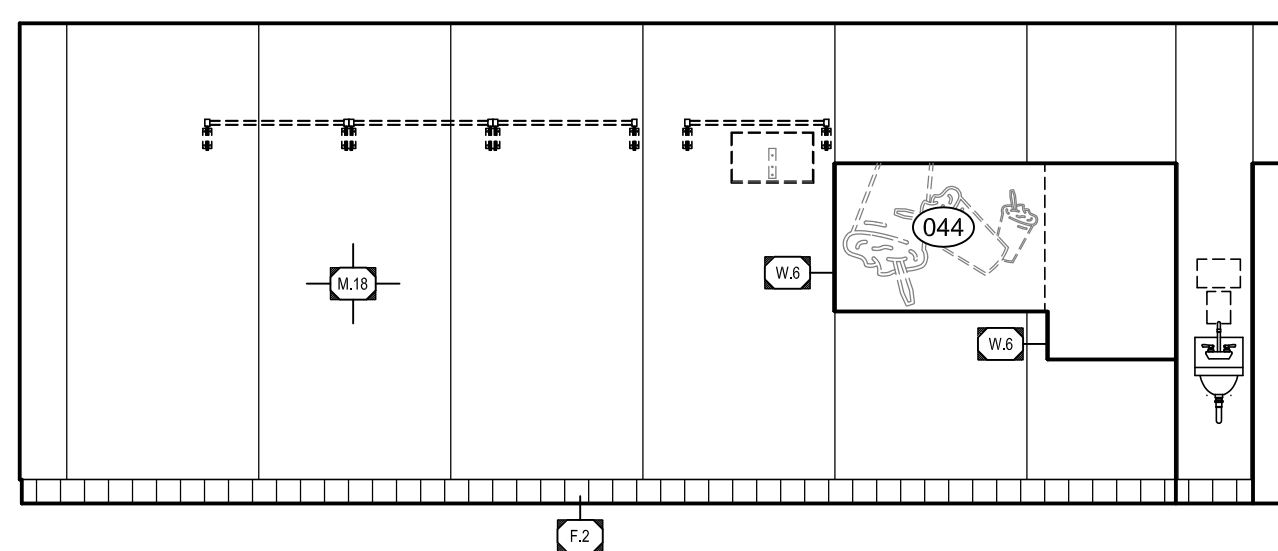
13 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



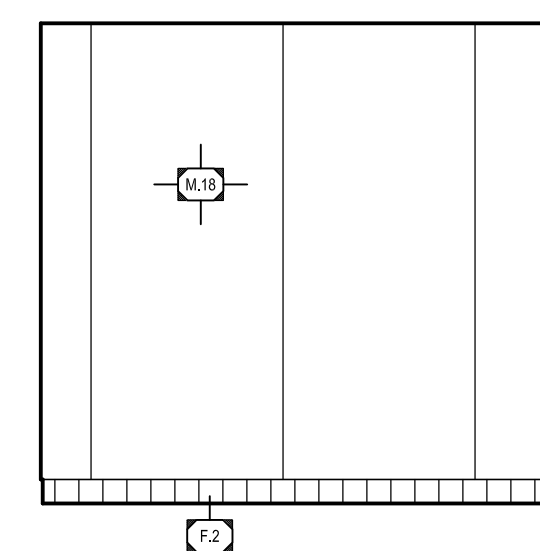
14 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



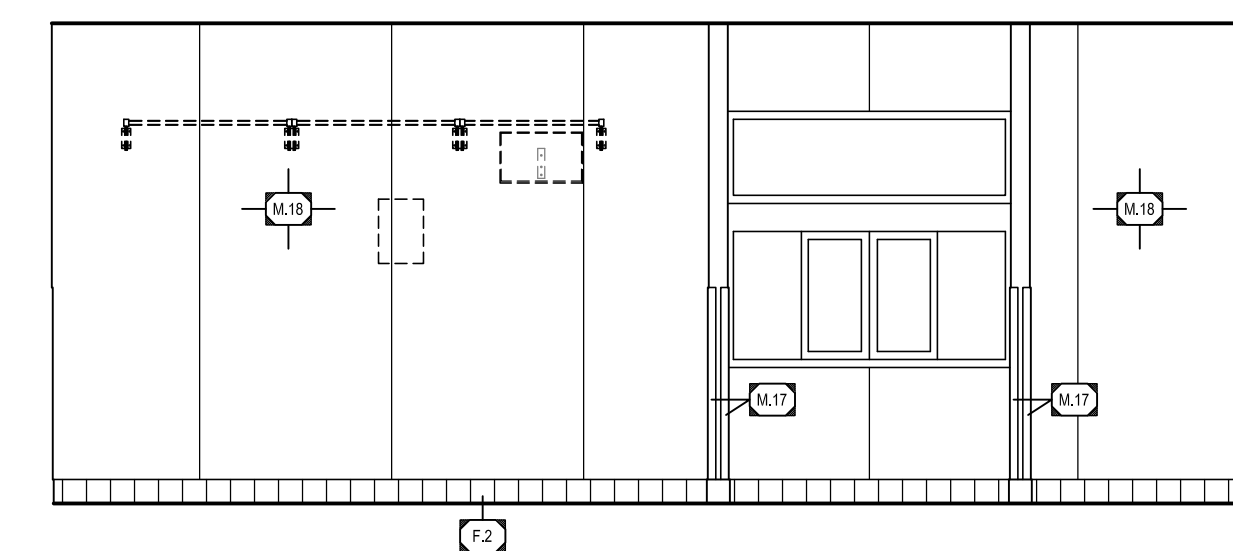
15 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



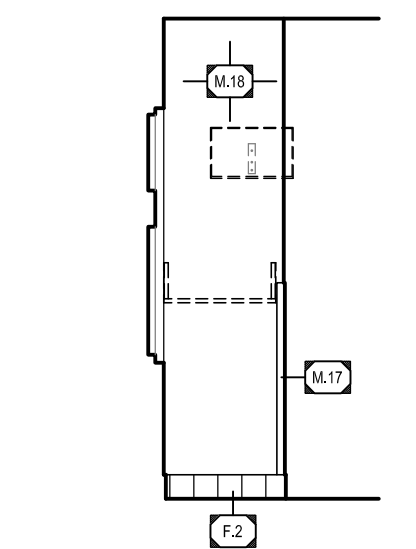
16 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



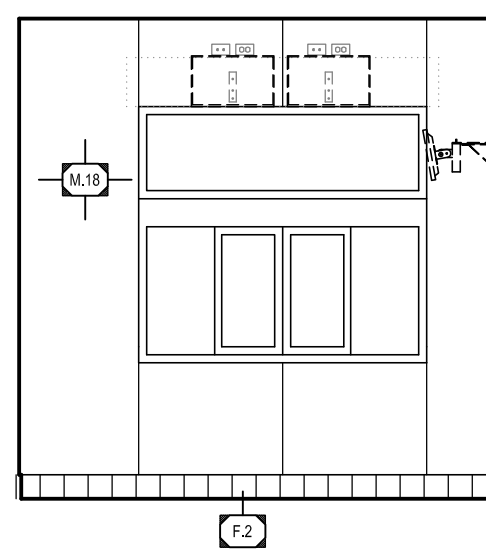
17 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



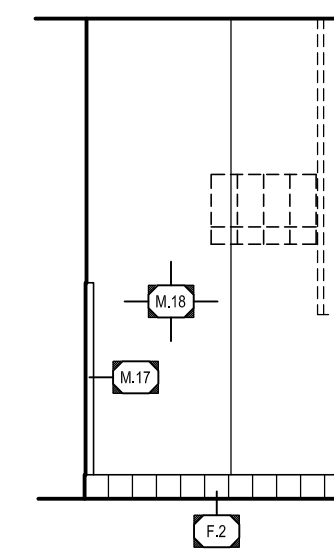
18 ELEV.

A5.1 SCALE: 1/4" = 1'-0"



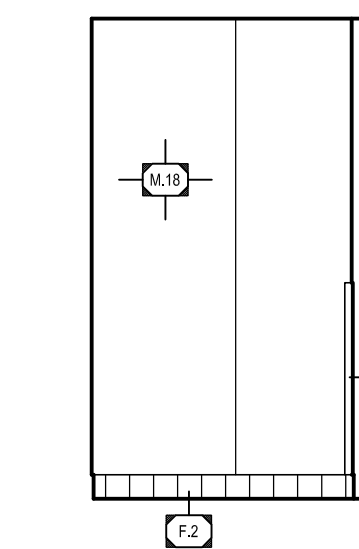
19 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



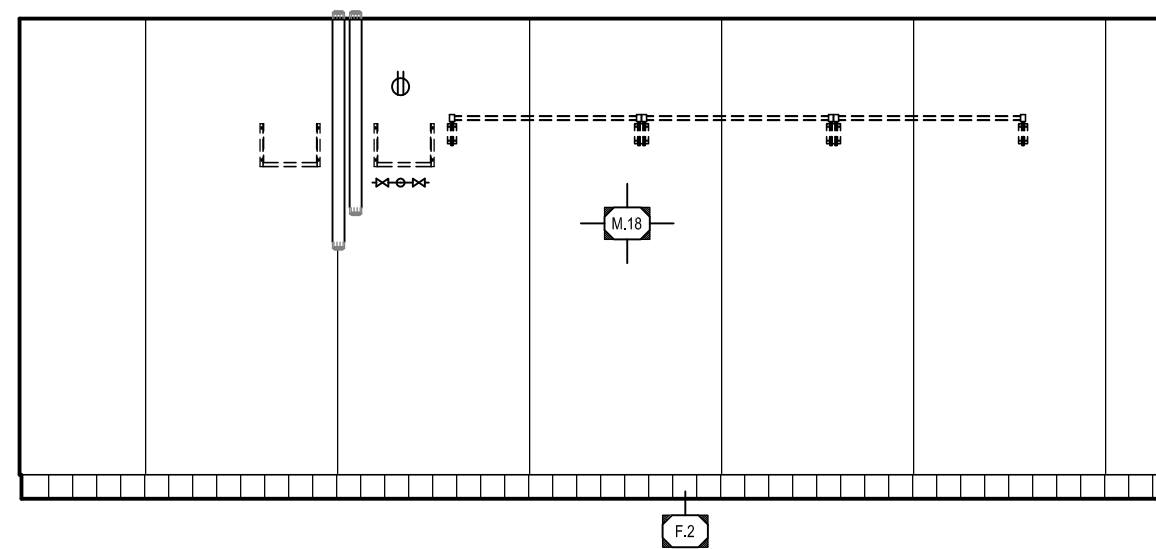
20 ELEV.

A5.1 SCALE: 1/4" = 1'-0"



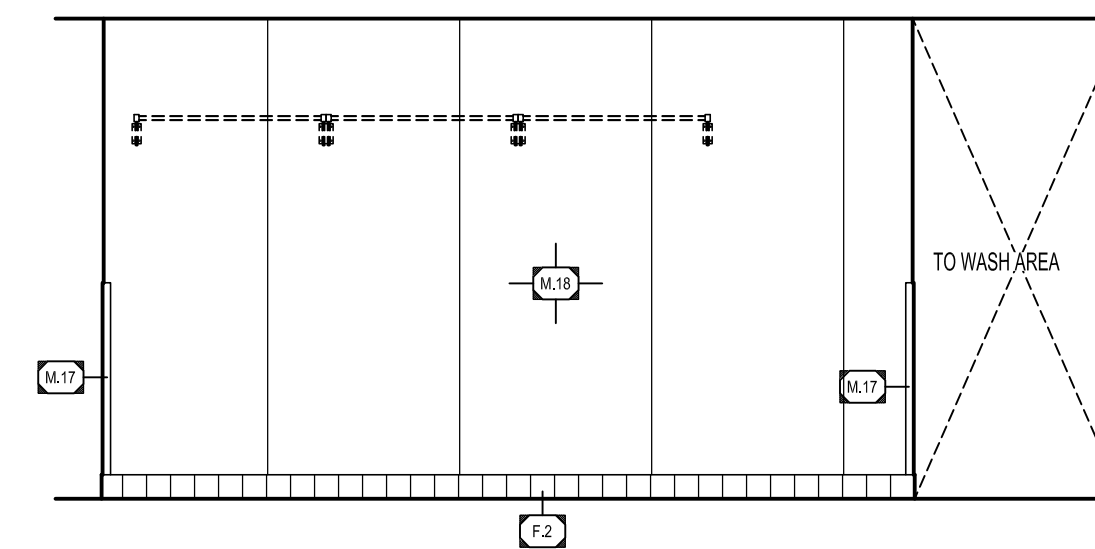
21 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



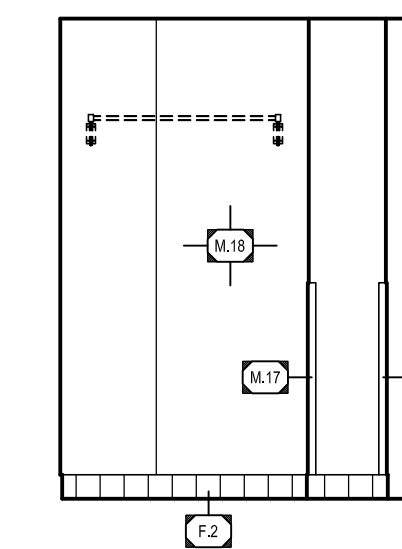
22 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



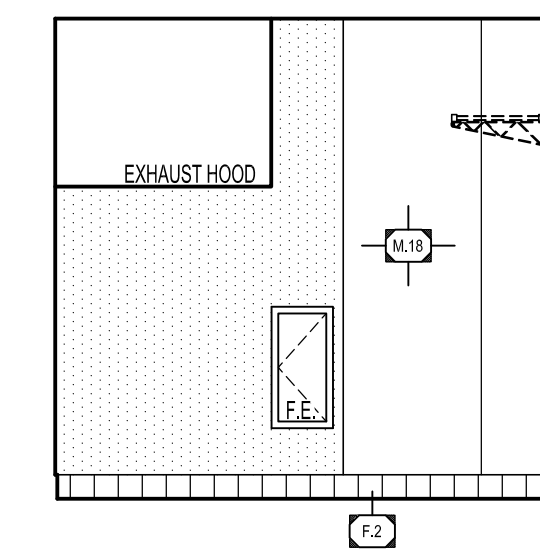
23 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



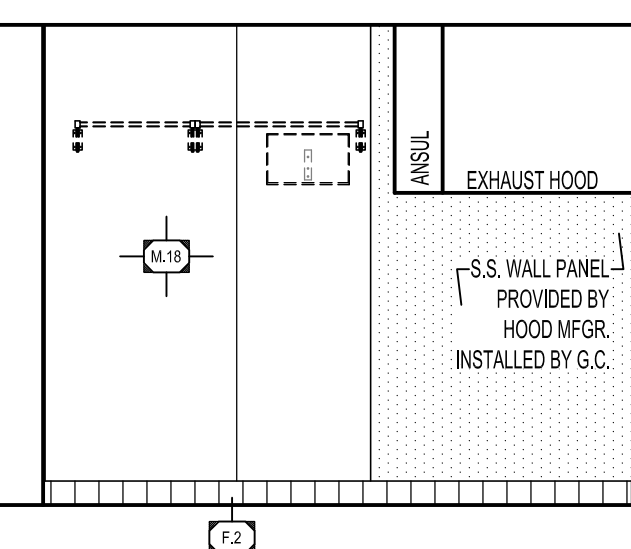
24 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



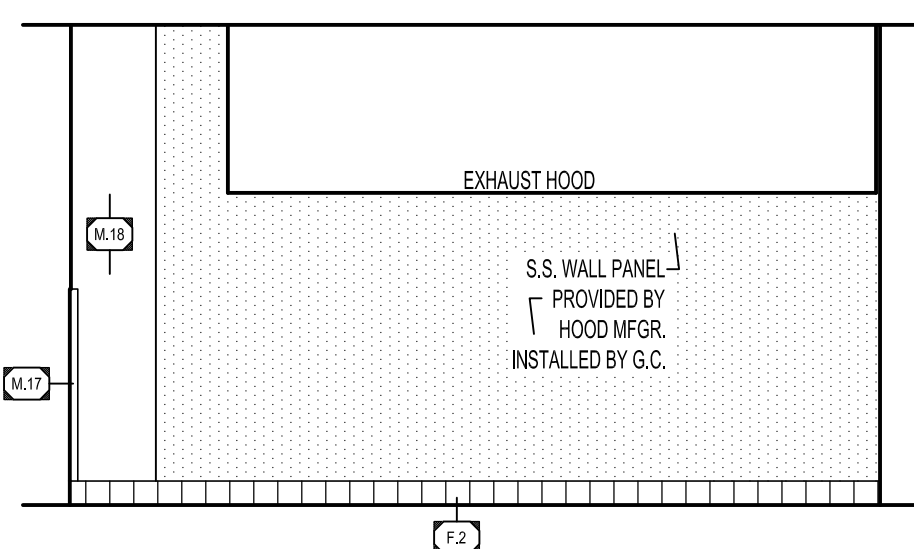
25 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



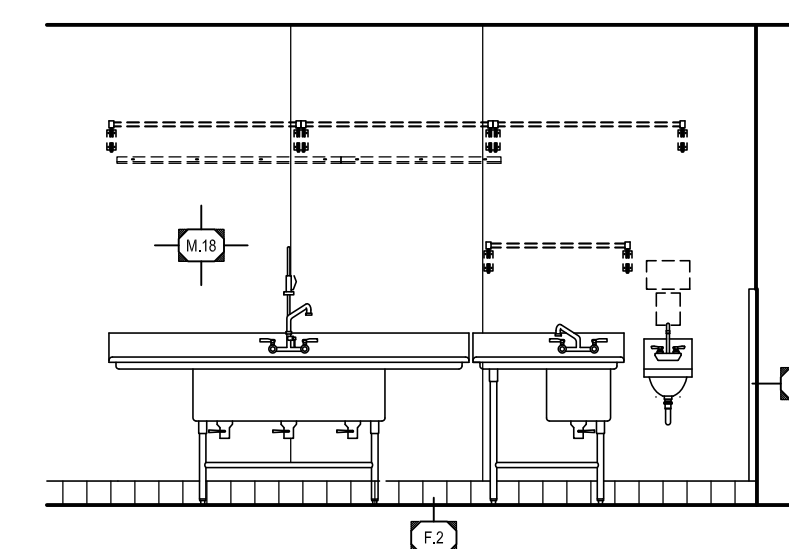
26 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



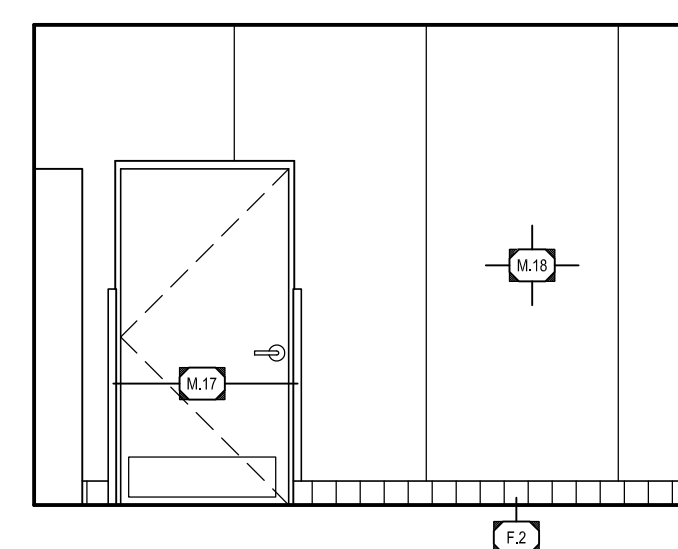
27 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



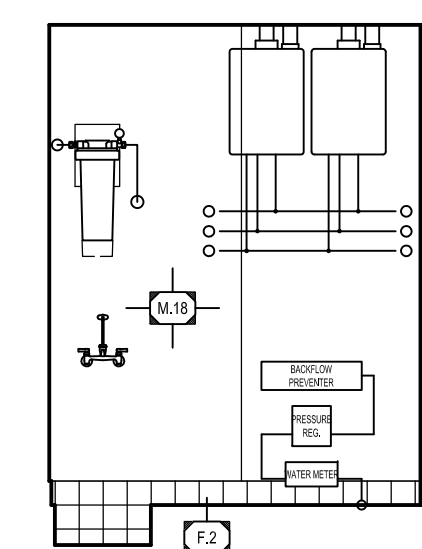
28 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



29 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



30 ELEVATION

A5.1 SCALE: 1/4" = 1'-0"



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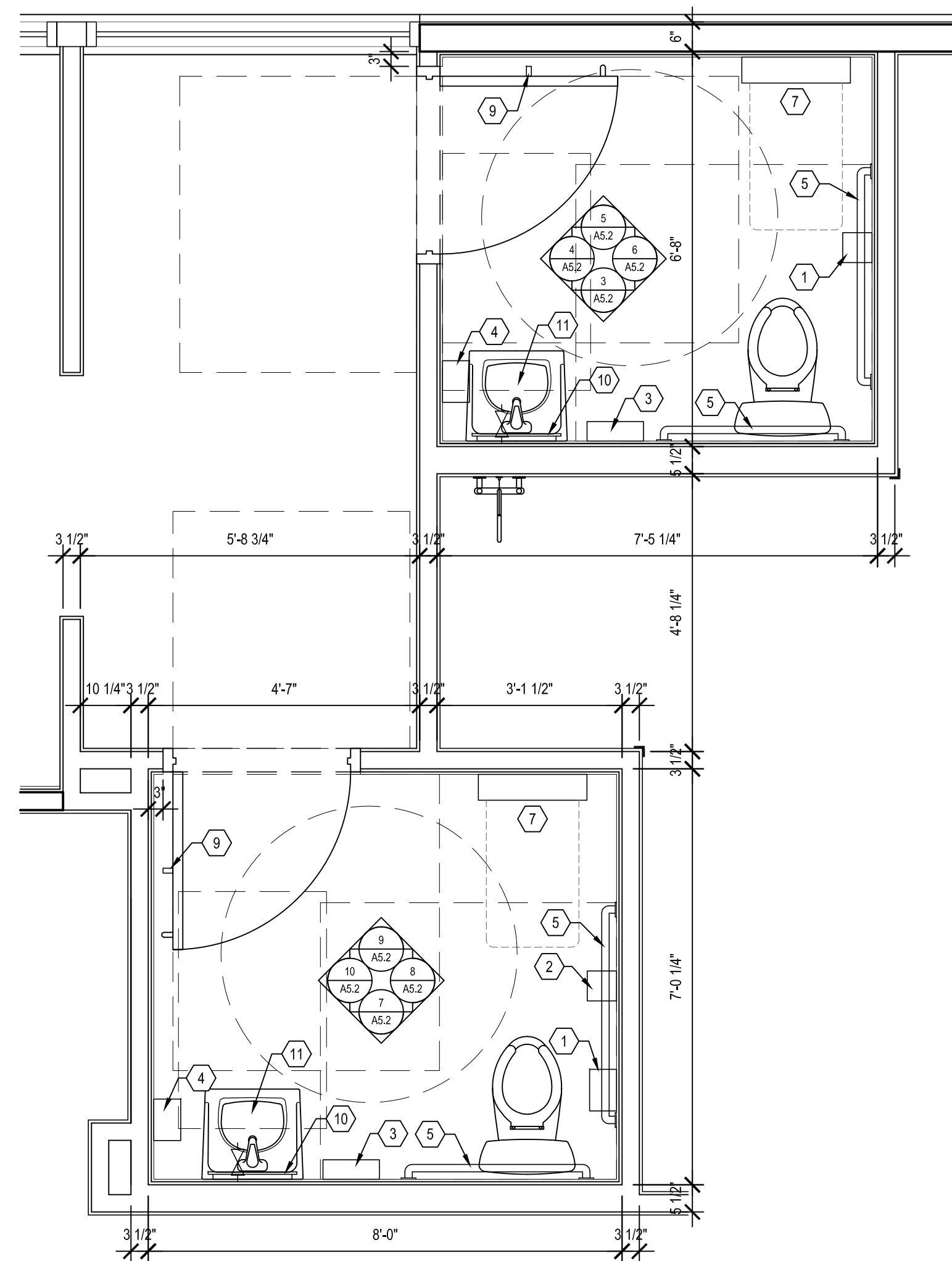
KENTUCKY ARCHITECT LICENSE NUMBER
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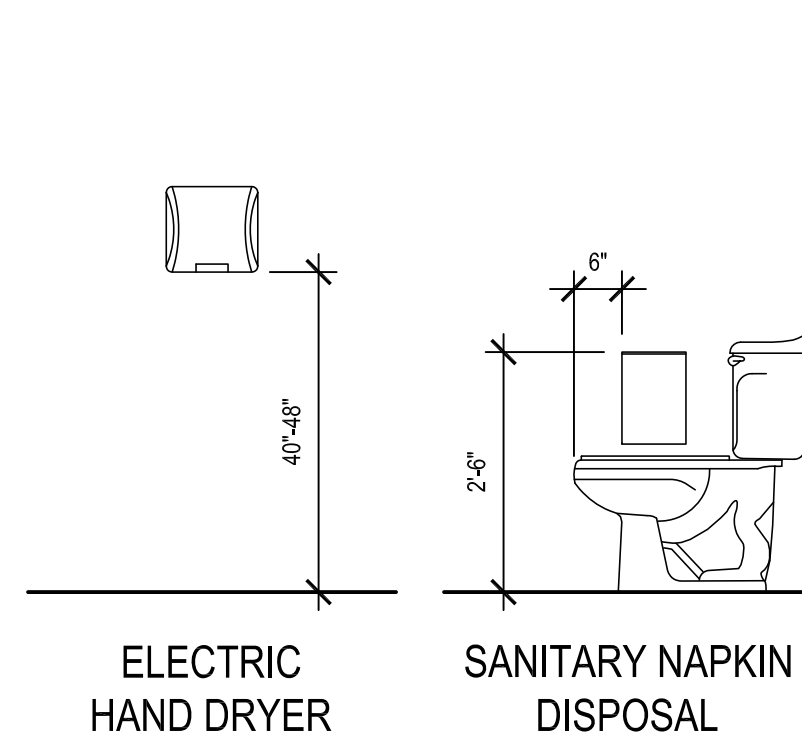
ISSUE DATE: 09/03/21
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INTERIOR
ELEVATIONS

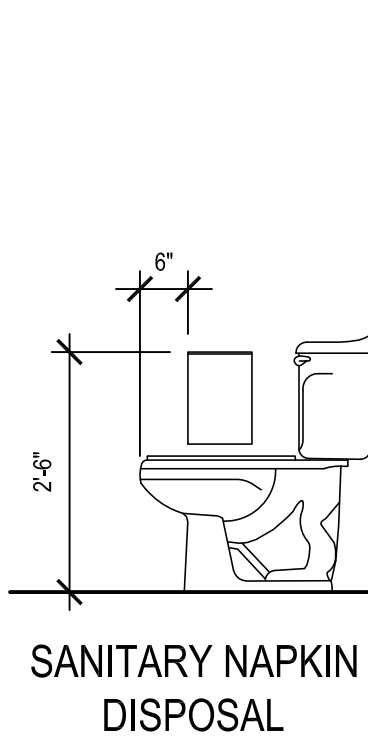
SHEET NUMBER:
A5.1



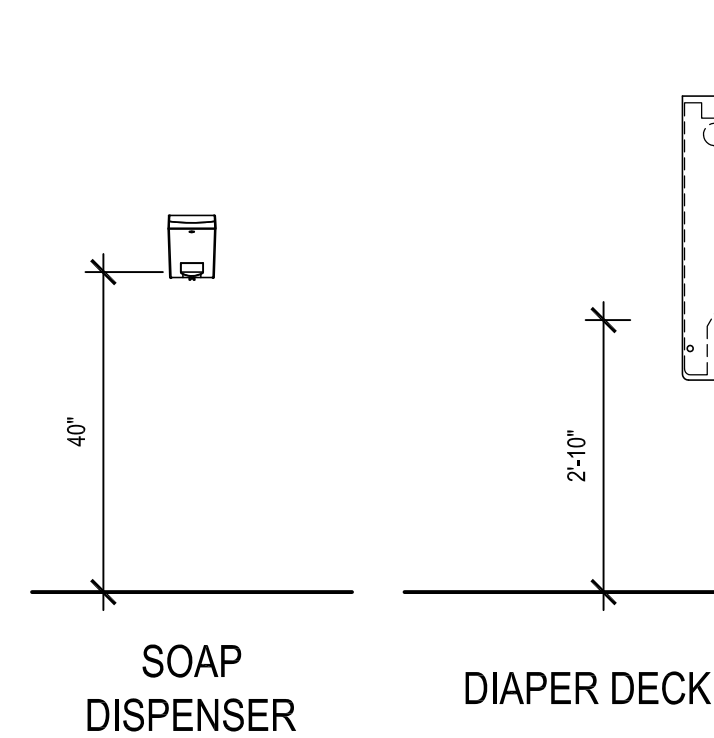
1 RESTROOM FLOOR PLAN
A5.2 SCALE: 1/2" = 1'-0"



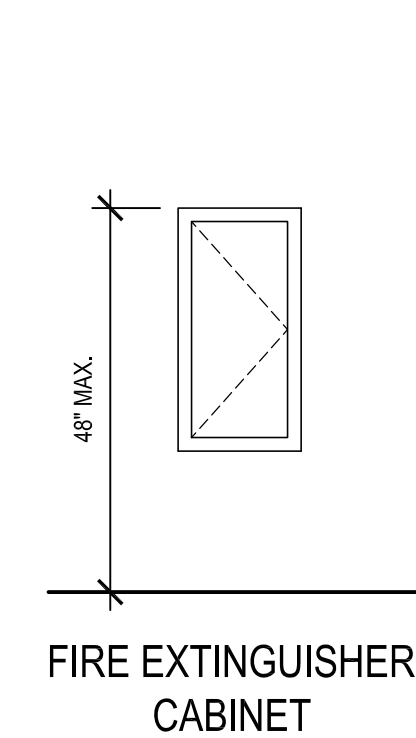
ELECTRIC HAND DRYER



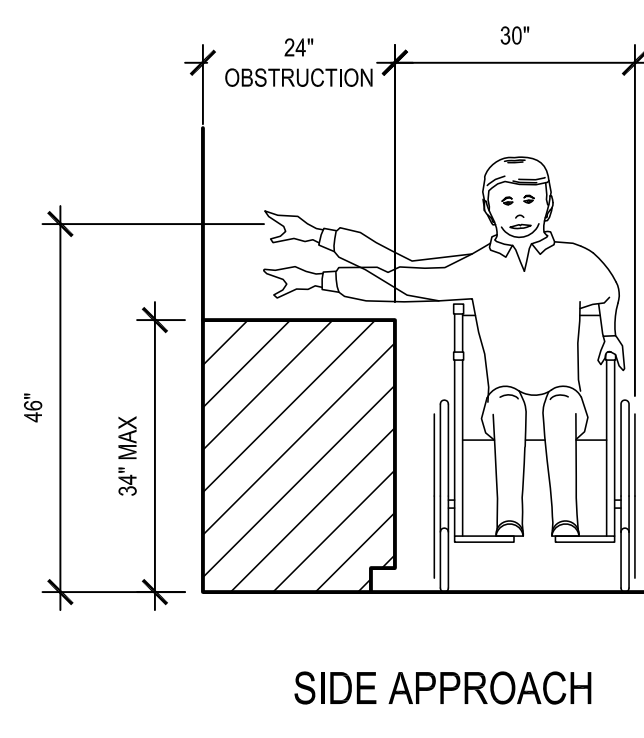
SANITARY NAPKIN DISPOSAL



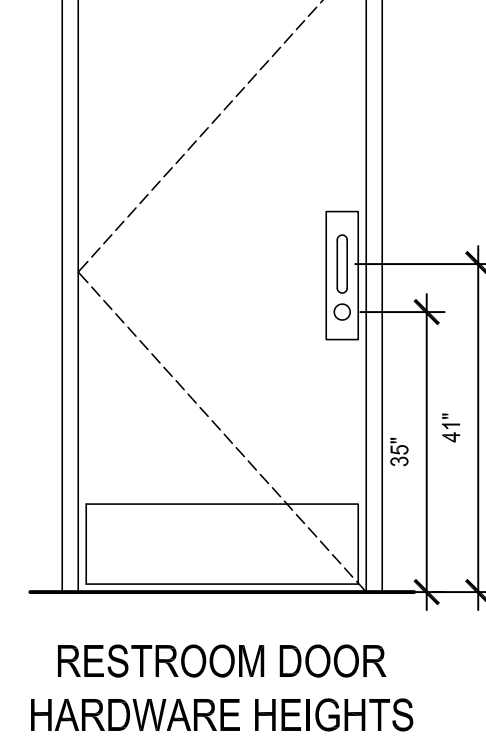
SOAP DISPENSER



DIAPER DECK

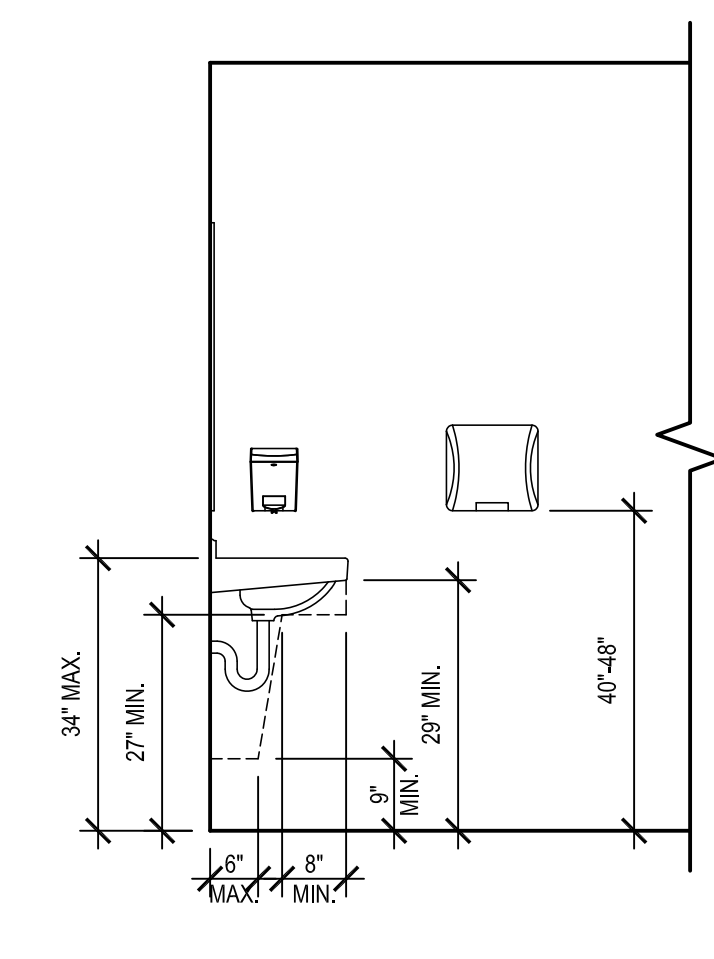
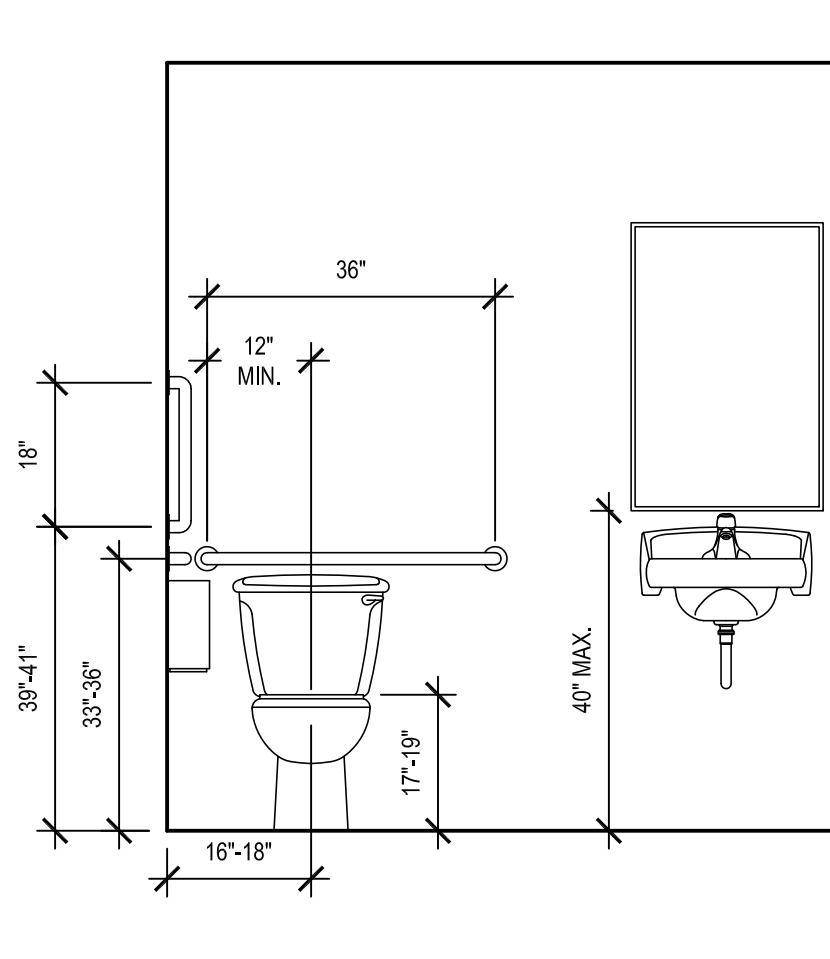
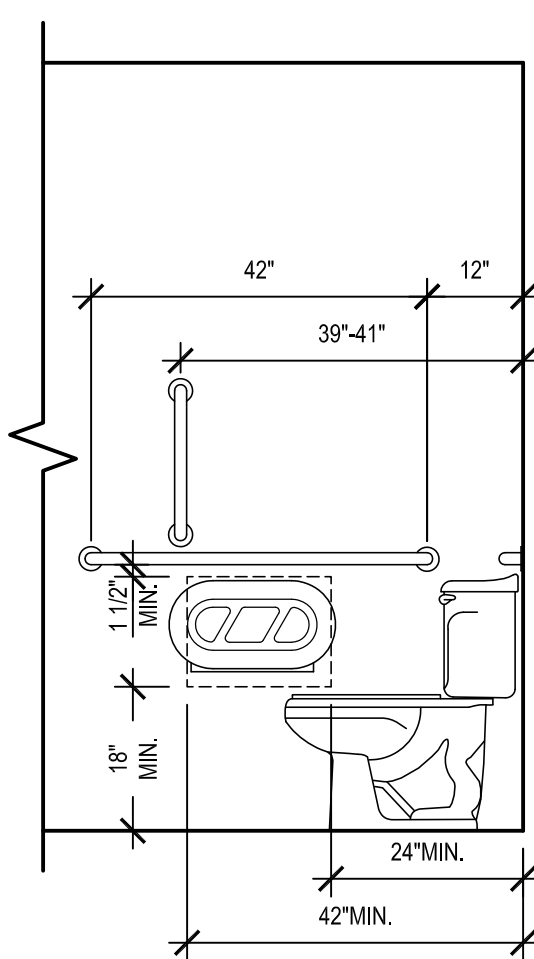


FIRE EXTINGUISHER CABINET



SIDE APPROACH

RESTROOM DOOR HARDWARE HEIGHTS

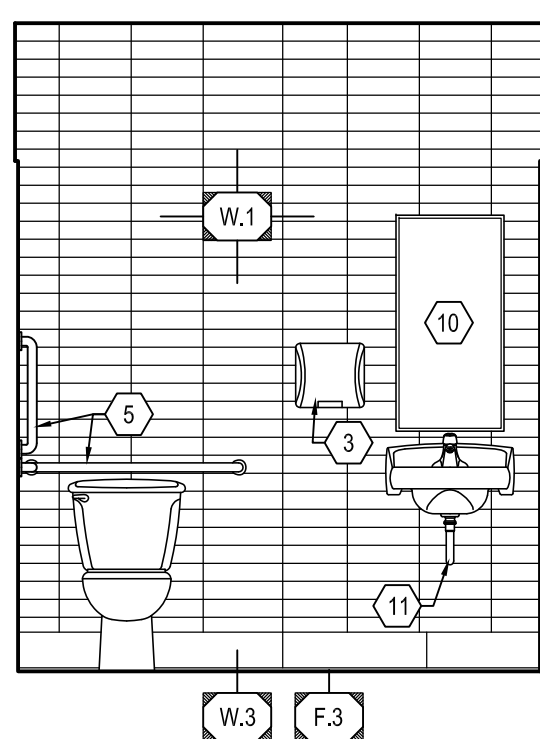


2 ACCESSIBLE MOUNTING HEIGHTS & CLEARANCES
A5.2 SCALE: 1/2" = 1'-0"

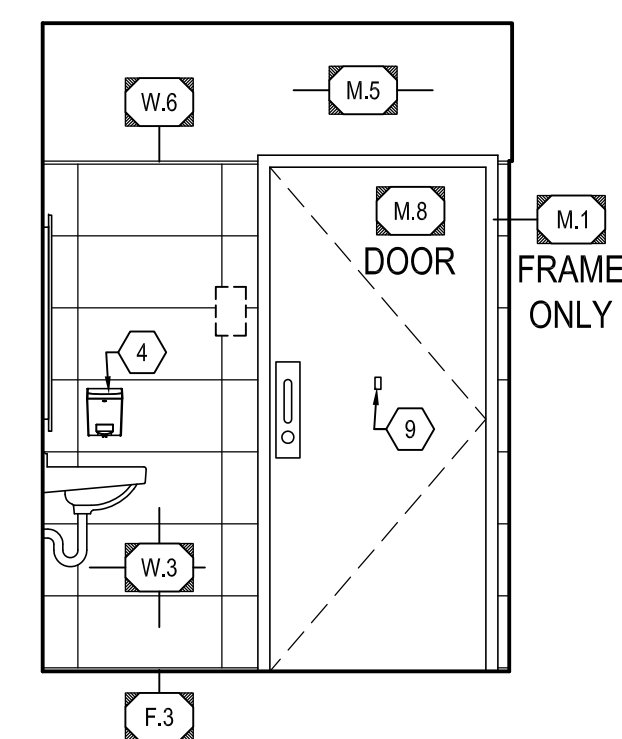
TOILET ACCESSORY SCHEDULE:			
1	TOILET PAPER DISPENSER	BOBRICK [A] [B]	B-2892
2	SANITARY NAPKIN RECEPTAL	BOBRICK [A] [B]	B-270
3	ELECTRIC HAND DRYER	WORLD [B]	SLIMdri L-973
4	AUTOMATIC SOAP DISPENSER	BOBRICK [A] [B]	6A00-11
5	GRAB BARS	BOBRICK [A] [B]	B-6806
6	GRAB BAR ANCHORS	BOBRICK [A] [B]	252-30
7	DIAPER DECK (MOUNT DECK AT 34" A.F.F.)	FOUNDATIONS [A] [B]	100-EV, LIGHT GRAY
8	NOT USED	FOUNDATIONS [A] [B]	103-BQS, LIGHT GRAY
9	COAT HOOK (MOUNT AT 4'-0" A.F.F.)	BRADLEY [A] [B]	9134
10	BACK LIT WALL MIRROR	MEEK MIRROR [A] [B]	SEE LIGHTING SCHEDULE
11	ADA UNDERSINK DRAIN AND SUPPLY COVERS	MAINLINE [A] [B]	ML102EZ

[A] RECOMMENDED MANUFACTURER & MODEL
[B] PROVIDED AND INSTALLED BY G.C., AVAILABLE FROM HJC

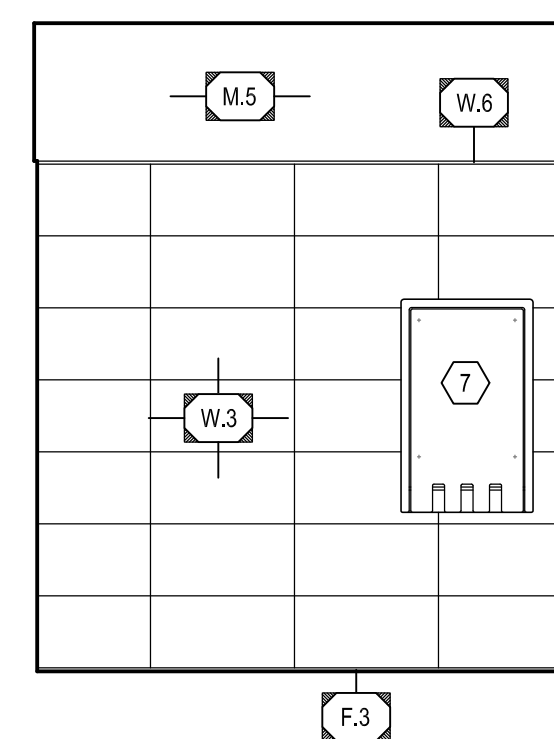
GENERAL NOTES:
1. LAVATORY AND WATER CLOSETS TO BE LEVER TYPE CONTROL.
2. GRAB BAR AND SEAT SHALL WITHSTAND A LOAD OF NOT LESS THAN 250 POUNDS APPLIED AT ANY POINT. PROVIDE BLOCKING AS REQUIRED.
3. PROVIDE 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL.
4. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
5. PROVIDE SMOOTH, HARD, NON-ABSORBANT SURFACE ON FLOORS & WALLS WITHIN 24" OF URINAL AND WATERCLOSET & EXTENDING MIN. 48" UP WALL.
6. SOAP DISPENSERS ARE SUPPLIED BY FRANCHISEE AND INSTALLED BY THE GENERAL CONTRACTOR.
7. PROVIDE BLOCKING AS REQUIRED AT DIAPER DECK AND CHILD SEAT.
8. LOCAL ARCHITECT AND G.C. TO VERIFY ADA CONDITIONS WITH BUILDING OFFICIAL PRIOR TO CONSTRUCTION.



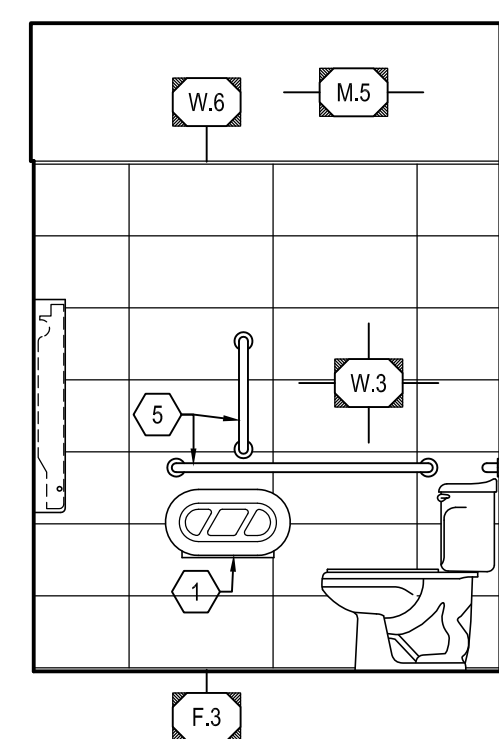
3 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



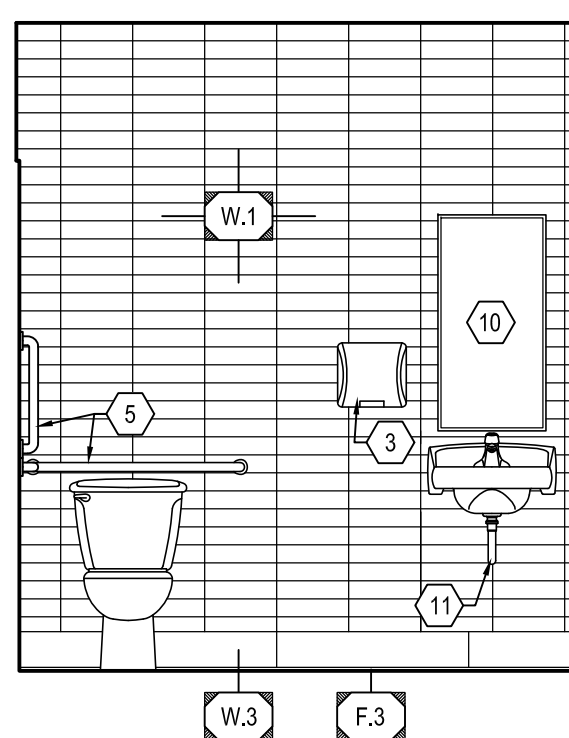
4 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



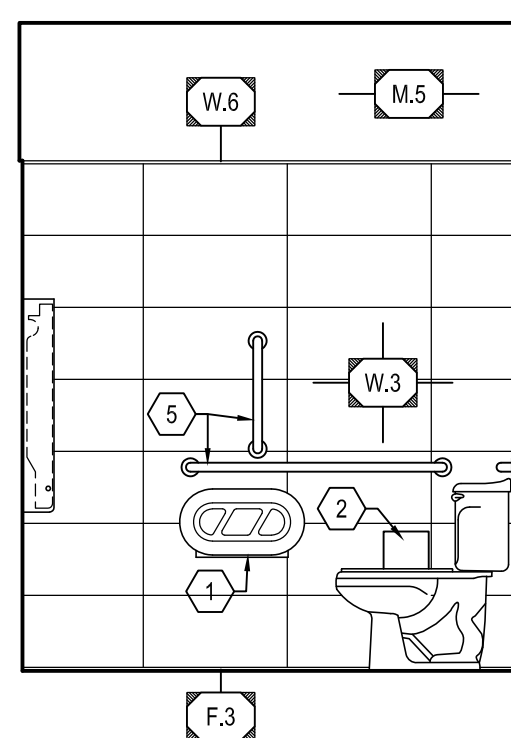
5 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



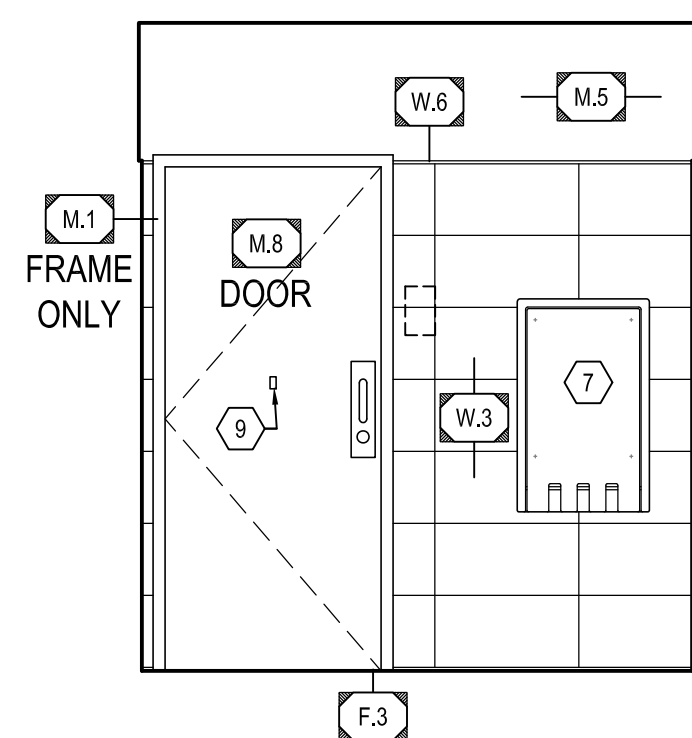
6 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



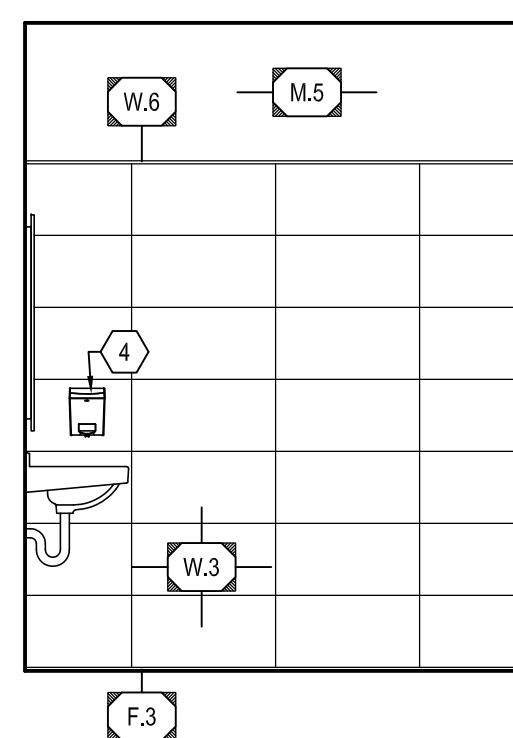
7 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



8 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



9 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



10 RESTROOM ELEVATION
A5.2 SCALE: 3/8" = 1'-0"



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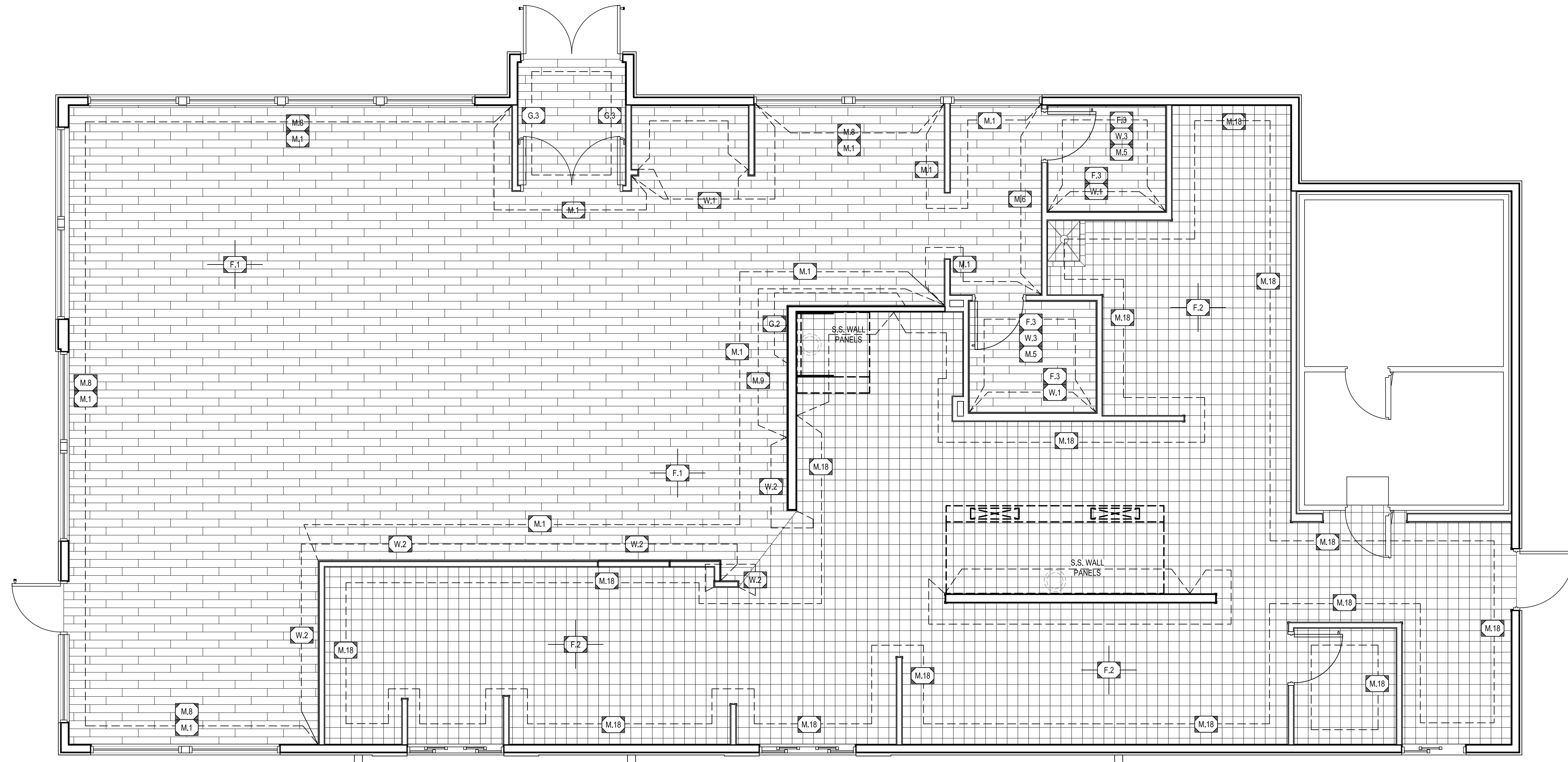
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RESTROOM PLAN & ELEVATIONS

SHEET NUMBER:
A5.2



1 FINISH PLAN
 A5.3 SCALE: 1/4" = 1'-0"



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FINISH PLAN & SCHEDULE

SHEET NUMBER:
A5.3

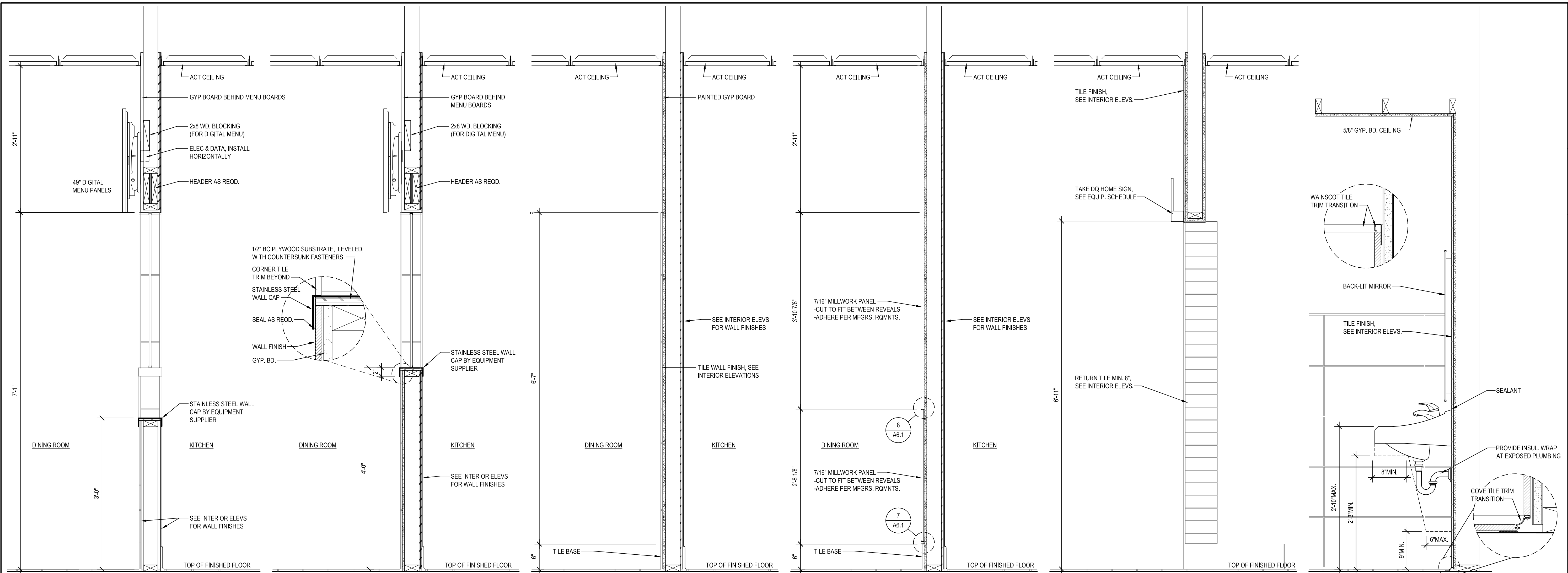
FINISH SCHEDULE: (GRILL & CHILL)

NOTE: THIS IS A PROTOTYPICAL SCHEDULE. ALL FINISHES MAY NOT BE USED.

F.1 DINING & RESTROOM FLOOR TILE: MFRG: MILESTONE SERIES: MOOD WOOD COLOR: HONEY SIZE: 6'x36" 1/3 OFFSET/STAGGERED PATTERN VENDOR: HJC GROUT: LATICRETE W/ SPECTRALOCK, 1/8" JOINT GROUT COLOR: DUSTY GREY #60	G.1 VESTIBULE GRAPHIC WALL COVERING: MFRG: JOLIET PATTERN SERIES: COMMERCIAL GRADE TYPE II-J COLOR: RED WITH GOLD ICON WAVE (VWP-RWG) SIZE: 50" WIDTH BOLT NOTE: USED ONLY IN CORE66 PROTOTYPE	M.1 PAINT: (LIGHT) MFRG: BENJAMIN MOORE SERIES: SILVER CHAIN #1472 COLOR: RED WITH GOLD ICON WAVE (VWP-RWG) PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 0484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.12 COUNTER TOP AND SILL SOLID SURFACE: MFRG: CORIAN SOLID SURFACE SIZE: 1/2" THICK COLOR: CIRRIUS WHITE (MATTE FINISH)	M.24 DINING CEILING TILE/GRID: MFRG: ARMSTRONG SERIES: CIRRUS, MEDIUM TEXTURE SIZE: 24"x24"x3/4" ANGLED REGULAR COLOR: GREY STONE GRID: PRELUDE XL 15/16" EXPOSED TEE GRID COLOR: GREY STONE VENDOR: HJC NOTE: PAINT CEILING DIFFUSERS: BENJAMIN MOORE WILLOW CREEK #1468	W.1 CAKE ENCLOSURE WALL TILE: MFRG: IMOLA SERIES: SLASH COLOR: WHITE, SLSH 73W ACCENT: WHITE SLSH1 73W - 33% RANDOM INSTALL SIZE: 3"x12" STACKED GRID PATTERN GROUT: LATICRETE PERMACOLOR, 1/8" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC
F.2 KITCHEN FLOOR TILE: MFRG: METROPOLITAN CERAMICS SERIES: QUARRY BASICS COLOR: PURITAN GRAY #507 SIZE: 8"x8" W/ MATCHING 6"x8" COVE BASE TRIMS AT MCP SINK; BULLNOSE & FLAT TOP COVE TRIMS VENDOR: HJC GROUT: LATICRETE SPECTRALOCK 2000 IG, 1/2" JOINT GROUT COLOR: DUSTY GREY #60	G.2 GOLD ICON WAVE: MFRG: JOLIET PATTERN SERIES: INSET AT LOBBY WALL PANELING COLOR: GREY WITH RED SPARKLES (WVPG) SIZE: 50" WIDTH BOLT x L.F. AS REQUIRED NOTES: INSTALL HORIZONTAL, DO NOT PATTERN MATCH	M.4 PAINT: MFRG: BENJAMIN MOORE COLOR: HOLLY BERRY 1321 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 0484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.13 FRONT CABINET FACE LAMINATE: MFRG: FORMICA COLOR: BRONZETONED CRAFT M6483	M.25 DINING CEILING PERIMETER SOFFIT: MFRG: ARMSTRONG SERIES: ULTIMA, FINE TEXTURE SIZE: 24"x24"x3/4" BEVELED REGULAR 15/16" COLOR: WHITE GRID: PRELUDE XL 15/16" EXPOSED TEE GRID COLOR: WHITE VENDOR: HJC	W.2 MITCHEN WALL TILE: MFRG: KATE-LO TILE & STONE SERIES: CD MODULAR COLOR: ARCTIC WHITE (KB.CD.AR.W.1020.BR) SIZE: 10"x20" STACKED PATTERN GROUT: LATICRETE PERMACOLOR, 1/8" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC
F.3 RESTROOM FLOOR BASE COVED TRANSITION TRIM: MFRG: SCHLUTER SYSTEMS SERIES: DILEX-AHK MODEL: AHK 1S 125 AE MATERIAL: SATIN ANODIZED ALUMINUM, 8-2 1/2" LENGTHS VENDOR: HJC NOTE: PROVIDE ASSOCIATED ACCESSORIES - INSIDE CORNER: 190/AHK IS/AE - OUTSIDE CORNER: E/AHK IS/AE - CONNECTOR: V/AHK	G.3 VESTIBULE GRAPHIC WALL COVERING; ALTERNATE "G.1" MFRG: JOLIET PATTERN SERIES: COMMERCIAL GRADE TYPE II-J COLOR: RED WITH RED ICONS (18WP-FR OR 27WP-FR) SIZE: 50" WIDTH BOLT x 18" OR 27" LENGTH, 27.72" REPEAT NOTE: PROVIDE PROTECTION AT OUTSIDE CORNERS WITH BRUSHED ALUMINUM GUARDS FULL HEIGHT.	M.5 RESTROOM CEILING AND SOFFIT: MFRG: BENJAMIN MOORE COLOR: AMERICAN WHITE #2112-70 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 0484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.14 DRINK CABINET FACE LAMINATE: MFRG: FORMICA COLOR: CITADEL 1097-68	M.26 KITCHEN CEILING TILE/GRID: MFRG: ARMSTRONG SERIES: VINYLCLAD SIZE: 24"x48"x1/2" SQUARE EDGE COLOR: WHITE GRID: PRELUDE XL 15/16" EXPOSED TEE GRID COLOR: WHITE VENDOR: HJC	W.3 RESTROOM WALL TILE: MFRG: PANARIA SERIES: CONNECT COLOR: SOSPURI, NATURAL SIZE: 12"x24" STACKED PATTERN GROUT: LATICRETE PERMACOLOR, 1/4" JOINT GROUT COLOR: SMOKE GREY #89 VENDOR: HJC
	G.4 GRAPHIC WALL COVERING; ALTERNATE "M.1" MFRG: JOLIET PATTERN SERIES: COMMERCIAL GRADE TYPE II-J COLOR: GREY WITH GREY ICONS (18WP-F OR 27WP-F) SIZE: 50" WIDTH BOLT x 18" OR 27" LENGTH, 27.72" REPEAT NOTE: PROVIDE PROTECTION AT OUTSIDE CORNERS WITH BRUSHED ALUMINUM GUARDS FULL HEIGHT.	M.6 ACCENT WALL: MFRG: BENJAMIN MOORE COLOR: BIG COUNTRY BLUE 2066-30 PRODUCT: ULTRA SPEC SCUFF-X INTERIOR LATEX MATTE 0484 PRIMER: ULTRA SPEC 500 INTERIOR LATEX PRIMER 534	M.15 TOILET PARTITION: MFRG: BRADLEY STYLE: FLOOR-TO-CEILING MATERIAL: POWDER COATED STEEL OR STAINLESS STEEL COLOR: WARM GREY 0412 OR BRUSHED STAINLESS STEEL VENDOR: HJC	M.27 CORNER GUARD: MFRG: CONSTRUCTION SPECIALTIES SERIES: ACROVYN SURFACE MOUNTED MODEL: #SSM204F949 COLOR: WHITE #949 SIZE: 2'x2"x48"long	W.4 DINING WALL BASE TILE: MFRG: OLYMPIA TILE, INC. SERIES: SANDS EXPERIENCE COLOR: MATTE GREY SIZE: 6"x24" (CUT FROM 12x24) GROUT: LATICRETE PERMACOLOR, 1/4" JOINT GROUT COLOR: DUSTY GREY #60 VENDOR: HJC
		M.8 DOOR, MILLWORK & WAINSCOT LAMINATE: MFRG: FORMICA COLOR: PLATINUM 902-58 DINING WAINSCOT: HARDSTOP PANELS, CLEAR ANODIZED TRIMS, & COLOR SIL SEALANT VENDOR: HARDSTOP AVAILABLE THROUGH HJC	M.16 FRP: MFRG: SEQUENTIA COLOR: WHITE FINISH: PEBBLED VENDOR: HJC NOTE: PROVIDE ALL MATCHING TRIM PIECES. INSTALL PER MANUFACTURERS REQUIREMENTS.	M.28 TILE ACCESSORIES: MFRG: SCHLUTER SYSTEMS STYLE: QUADC COLOR: SATIN ANODIZED ALUM. (AE) SIZE: AS REQUIRED BY LOCATION & TILE THICKNESS VENDOR: HJC NOTE: PROVIDE ASSOCIATED ACCESSORIES - END CAP, OUTSIDE/INSIDE CORNER - E/I - CONNECTOR - V/RO	W.6 TILE ACCESSORIES: MFRG: SCHLUTER SYSTEMS STYLE: QUADC COLOR: SATIN ANODIZED ALUM. (AE) SIZE: AS REQUIRED BY LOCATION & TILE THICKNESS VENDOR: HJC NOTE: PROVIDE ASSOCIATED ACCESSORIES - END CAP, OUTSIDE/INSIDE CORNER - E/I - CONNECTOR - V/RO
		M.9 LOBBY WALL PANELS: MFRG: MARLITE SERIES: SIEVA COLOR: ARBORITE INLUKSHUK GREY P344RM SIZE: 48"x120"x7/16" PANELS VENDOR: HJC	M.17 PREFINISHED METAL LIGHT COVE: MFRG: FIRESTONE UNA-CLAD		
		M.10 LOBBY WALL PANEL TRIMS: MFRG: FRY REGLET SERIES: 1/2" MILLWORK TRIMS WITH RETURN KEYS FINISH: CLEAR SATIN ANODIZED ALUMINUM VENDOR: HJC NOTE: - 'F' CHANNEL, MWC5050 - CHANNEL, MWC5050 - OUTSIDE CORNER, MWC5050 - INSIDE CORNER, MWC5050 - 'L' ANGLE, MWCL5050			

FINISH NOTES:

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION MANUAL, THE MECHANICAL AND ELECTRICAL DRAWINGS ALONG WITH THEIR SPECIFICATIONS.
- FIELD VERIFICATION IS REQUIRED FOR QUANTITIES OF ALL MATERIALS PRIOR TO ORDERING AND INSTALLING. THIS INCLUDES FLOOR & WALL TILES, VINYL WOOD FLOORING AND PAINT (DO NOT SCALE DRAWINGS).
- CONTRACTOR TO PHYSICALLY RECHECK ALL MEASUREMENTS PROVIDED IN THE DRAWINGS.
- UPON AWARD OF CONTRACT CONTRACTOR TO ORDER FINISH MATERIALS & CONFIRM DELIVERY DATE OF ORDER.
- ALL MATERIALS LISTED TO BE AS SPECIFIED OR AN APPROVED ALTERNATE. ANY PROPOSED ALTERNATES MUST BE SUBMITTED TO THE DO ARCHONST. DEPT. FOR REVIEW PRIOR TO ORDERING.
- ALL MATERIALS LISTED TO BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED.
- ENSURE SUB FLOOR IS PROPERLY PREPARED FOR INSTALLATION OF SPECIFIED FLOOR FINISH.
- ALL FLOORING MATERIAL TO HAVE MANUFACTURERS RECOMMENDED FINISH APPLIED AFTER INSTALLATION AND PROPER CARE AND MAINTENANCE INSTRUCTIONS TO BE ISSUED TO THE CLIENT.
- ALL FLOOR FINISHES TO BE INSTALLED AFTER ALL WALLS AND KNEE WALLS HAVE BEEN CONSTRUCTED.
- FLOOR FINISH TO EXTEND COMPLETELY UNDER MILLWORK.
- WHEN A CHANGE IN FLOOR FINISH OCCURS AT DOORWAY, THE SEAM IS TO BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS OTHERWISE INDICATED.
- ALL FLOOR FINISHES TO BE PROTECTED FROM DAMAGE BY TRADES AFTER INSTALLATION. ANY DAMAGE TO BE REPAIRED AT NO COST TO THE OWNER.
- ALL DOOR FRAMES AND BASE MUST BE PROTECTED WITH APPROPRIATE MATERIAL TO AVOID DAMAGE DURING INSTALLATION OF FLOORING MATERIALS. THE PROTECTION MATERIALS AND METHOD OF ADHESION SHOULD NOT DAMAGE THE FINISH WHEN REMOVED. DAMAGE DONE TO COMPLETED WORK TO BE REPAIRED AT NO COST TO THE OWNER.
- CONTRACTOR TO PREPARE A PACK OF SIGNIFICANT SIZE LEFTOVERS WHICH WILL REMAIN ON SITE FOR FUTURE REPAIRS AND PATCHING. (CONFIRM QUANTITY WITH CLIENT; 10% OVERAGE IS STANDARD).
- USE "XLT" GREY THINSET FOR ALL FLOOR & WALL TILE UNLESS NOTED OTHERWISE.
- USE "XLT" GREY THINSET BY LATICRETE FOR ALL FLOOR & WALL TILE UNLESS NOTED OTHERWISE.
- USE "GLASS TILE ADHESIVE" BY LATICRETE FOR ALL GLASS TILE. ENSURE FULL COVERAGE WITH NO TROWEL MARKS.
- PROVIDE "HYDROBAR" BY LATICRETE FOR CRACK ISOLATION AS NEEDED.
- PROVIDE "LATASIL" 100% SILICONE SEALANT BY LATICRETE AT CHANGE IN PLANE AS NEEDED.
- ANY KILN RELEASE RESIDUE MUST BE CLEANED OFF TILE BEFORE SETTING.



1 KITCHEN WALL SECTION
 A6.1 SCALE: 1" = 1'-0"

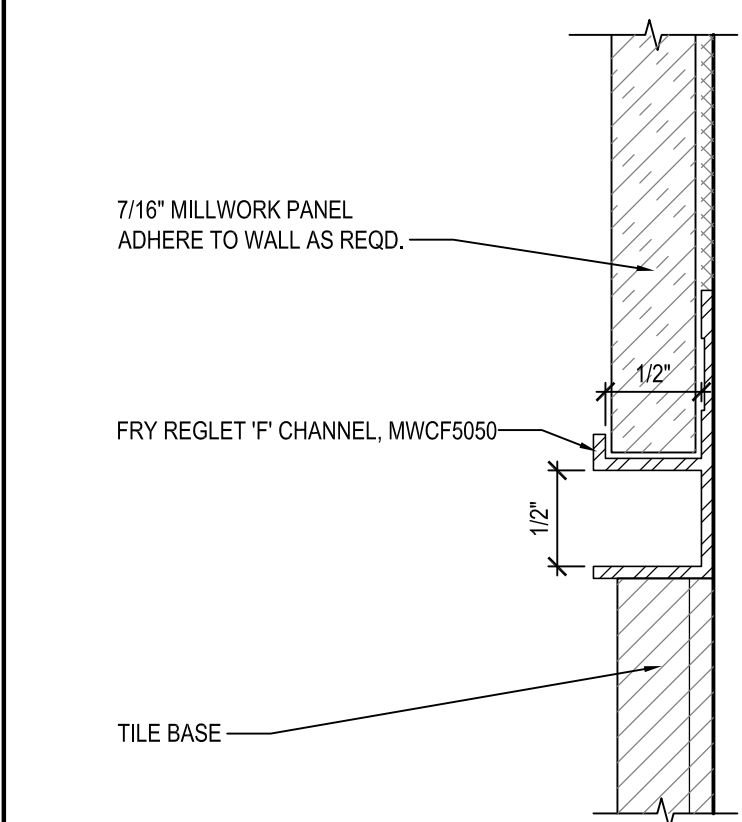
2 KITCHEN WALL SECTION
 A6.1 SCALE: 1" = 1'-0"

3 PANELING SECTION
 A6.1 SCALE: 1" = 1'-0"

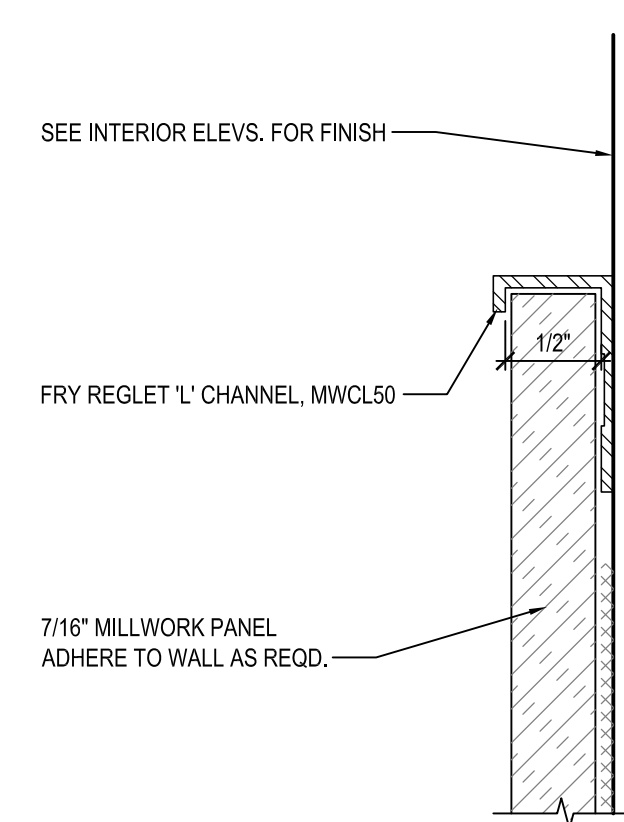
4 PANELING SECTION
 A6.1 SCALE: 1" = 1'-0"

5 CAKE ENCLOSURE SECTION
 A6.1 SCALE: 1" = 1'-0"

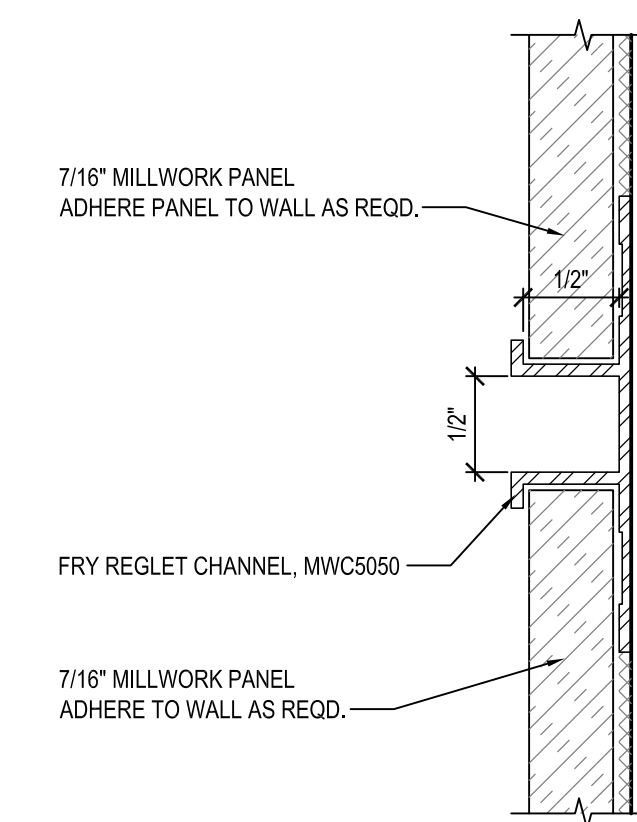
6 LAVATORY SECTION
 A6.1 SCALE: 1" = 1'-0"



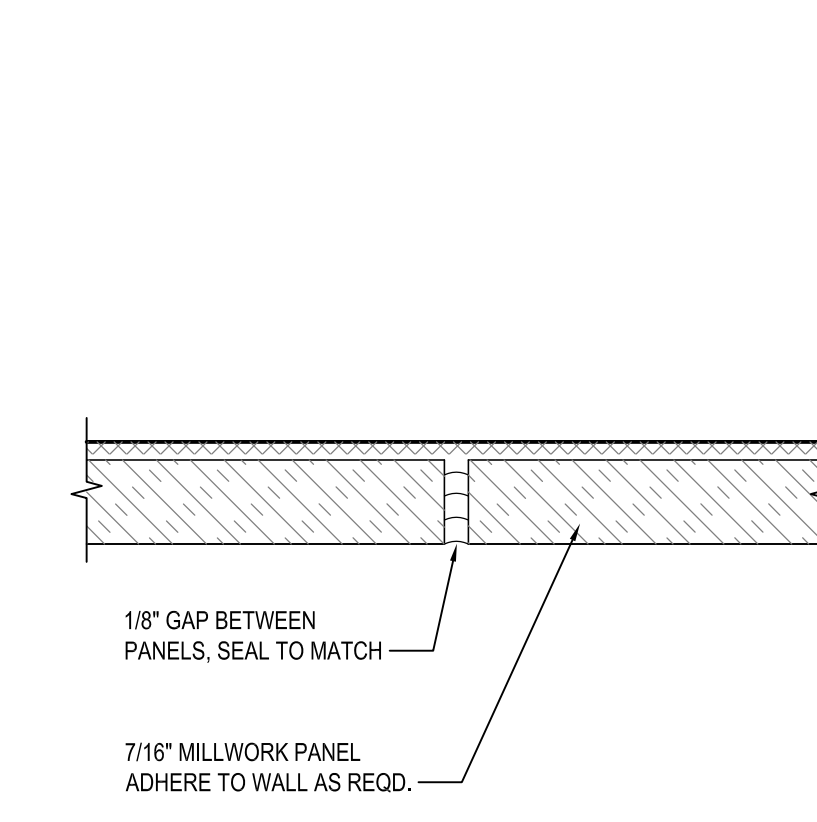
7 PANEL BASE
 A6.1 SCALE: FULL



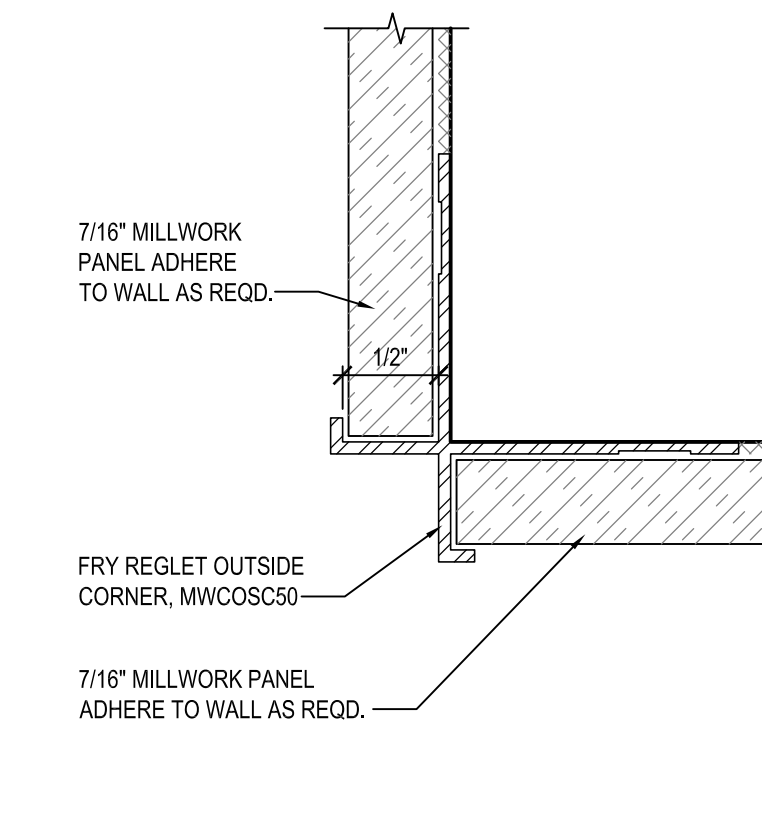
8 PANEL TRANSITION
 A6.1 SCALE: FULL



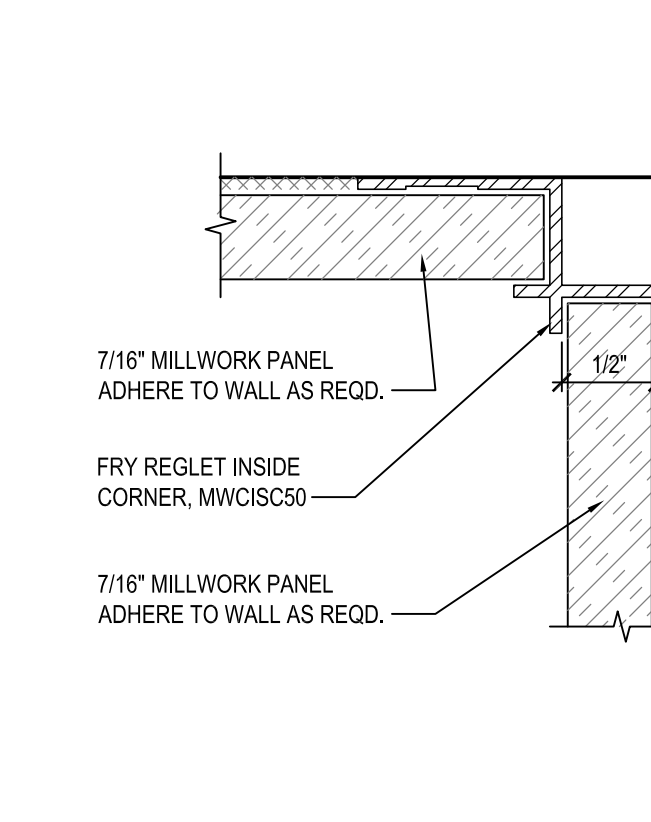
9 PANEL REVEAL
 A6.1 SCALE: FULL



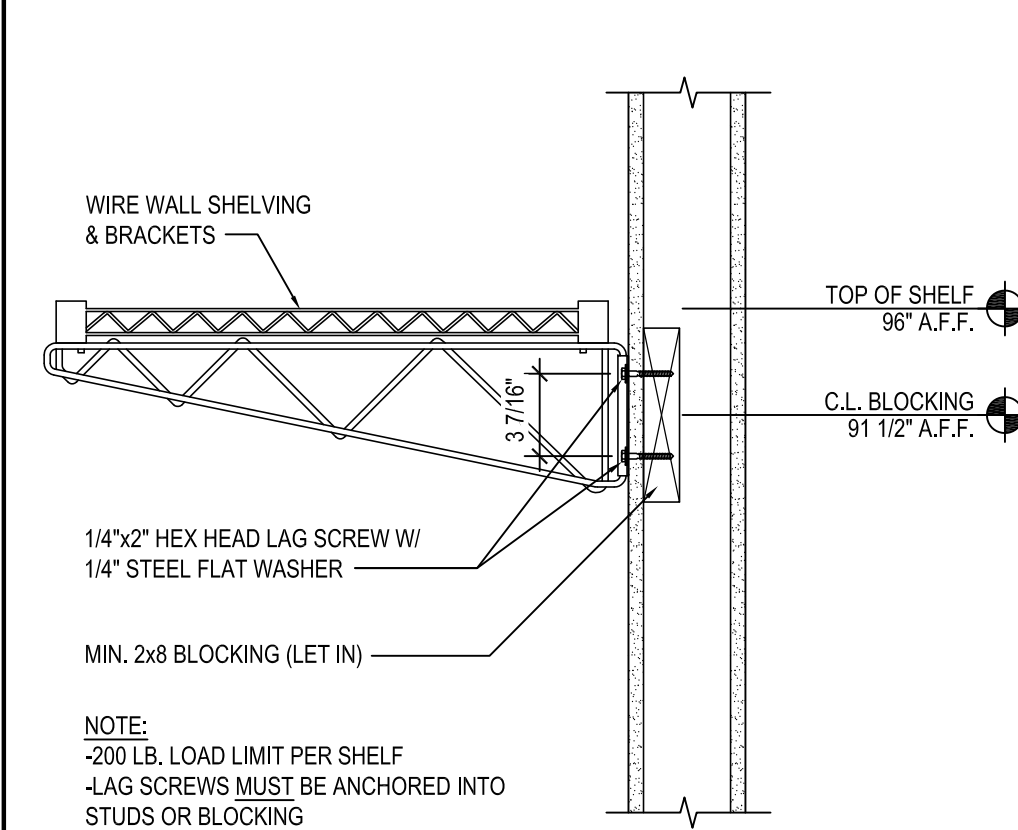
10 PANEL SEAM
 A6.1 SCALE: FULL



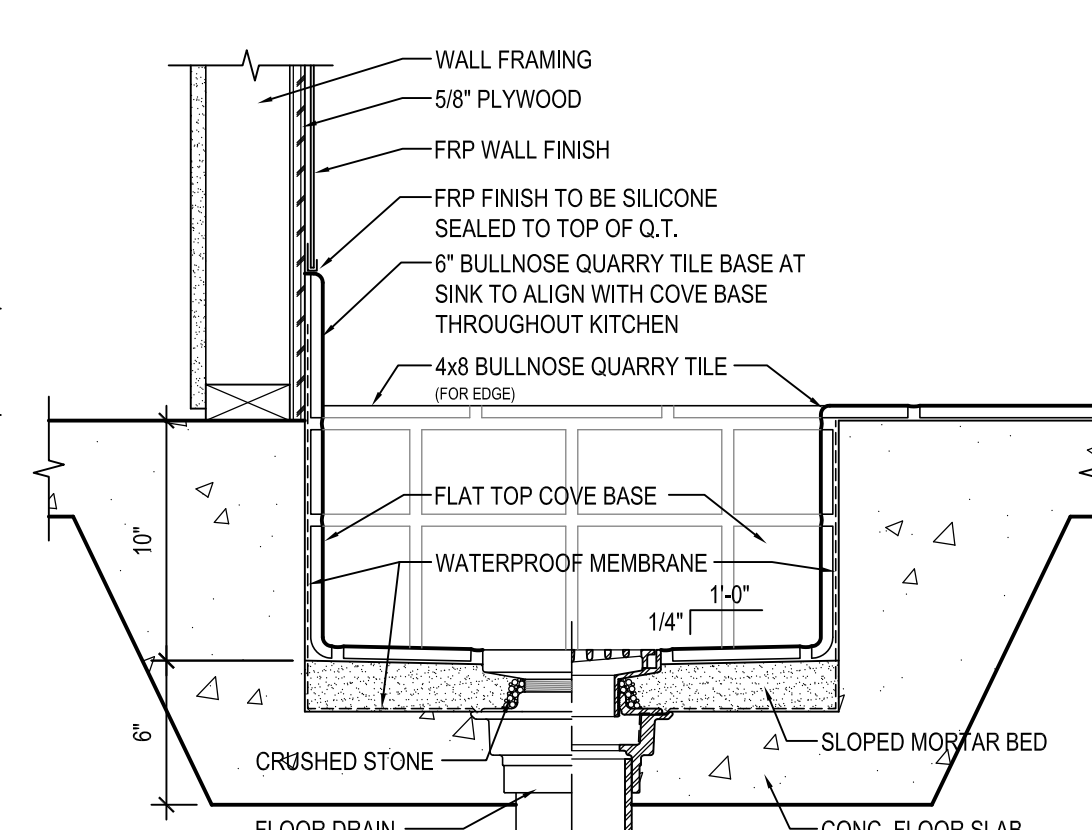
11 OUTSIDE CORNER
 A6.1 SCALE: FULL



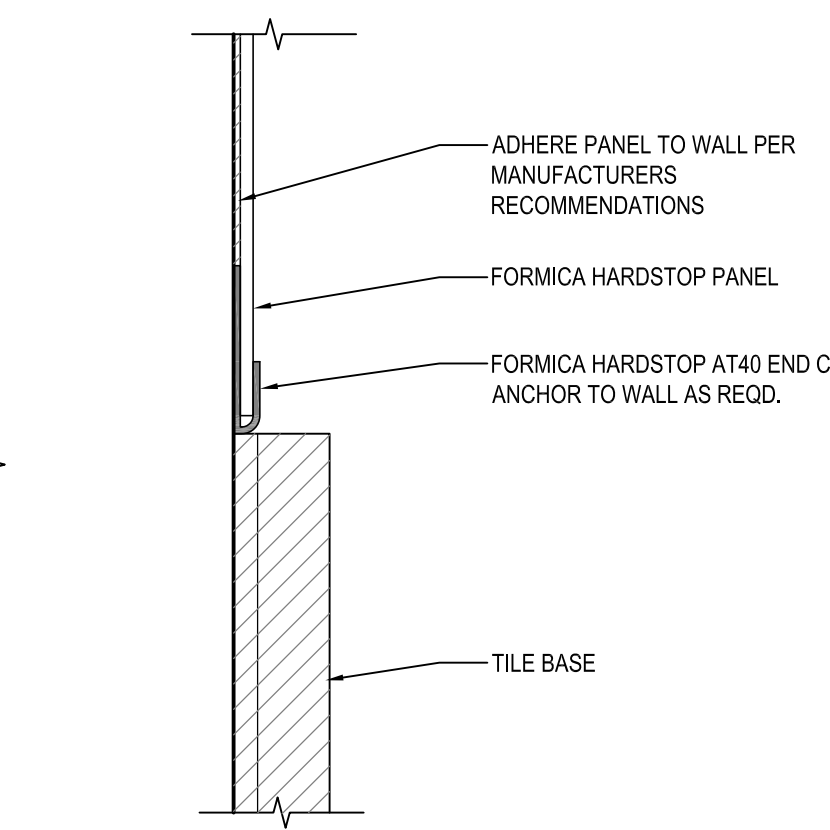
12 INSIDE CORNER
 A6.1 SCALE: FULL



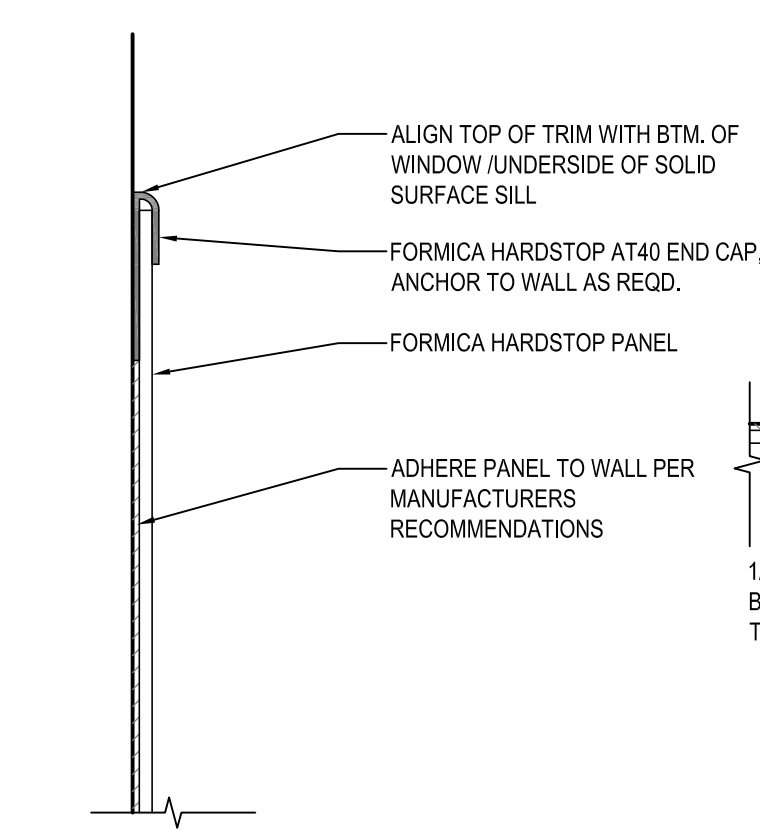
13 SHELVING DETAIL
 A6.1 SCALE: 1 1/2" = 1'-0"



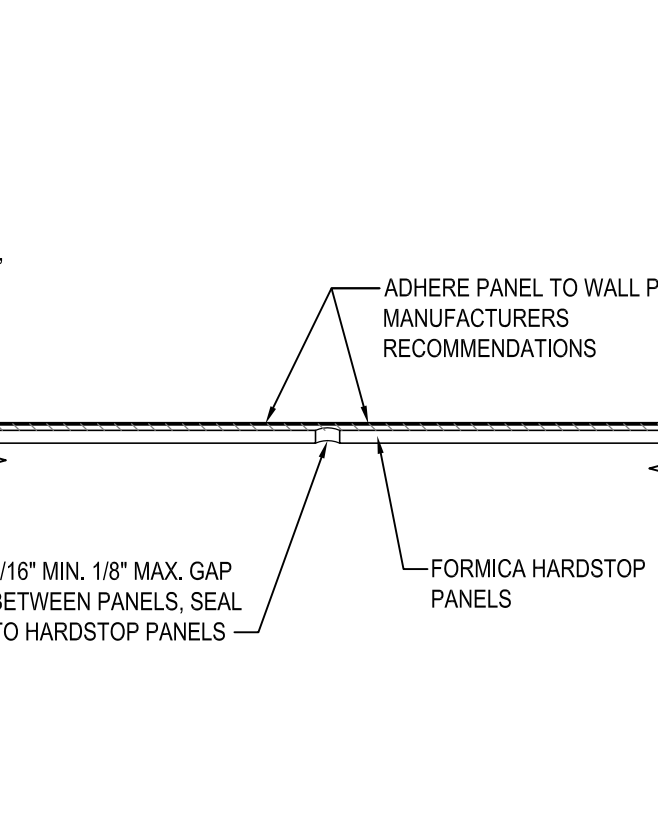
14 MOP SINK DETAIL
 A6.1 SCALE: 1 1/2" = 1'-0"



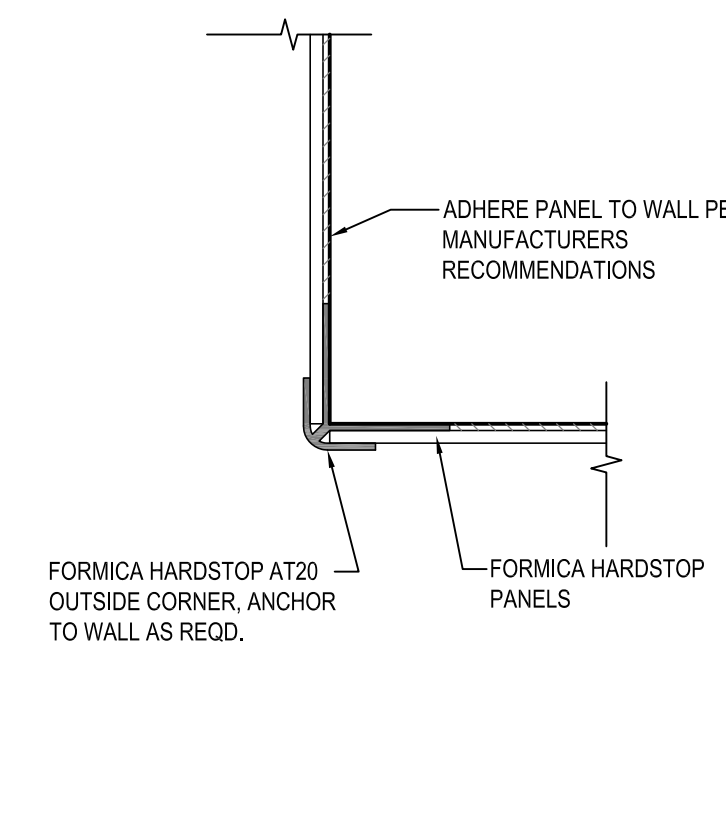
15 WAINSCOT DETAIL
 A6.1 SCALE: FULL



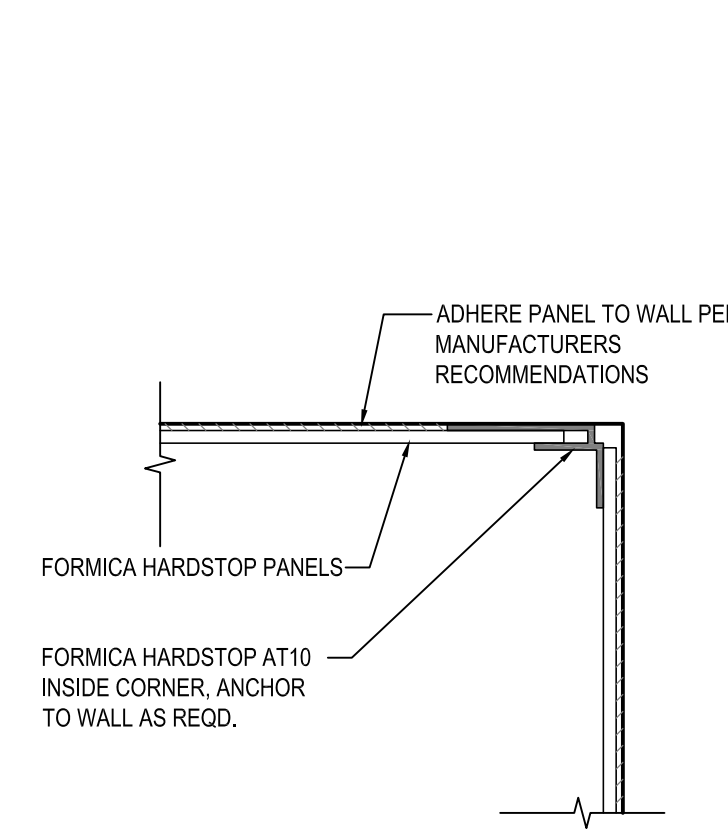
16 WAINSCOT TOP CAP
 A6.1 SCALE: FULL



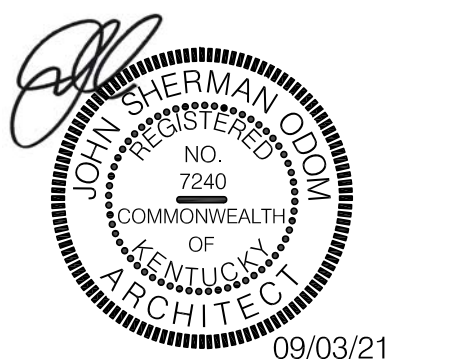
17 WAINSCOT SEAM
 A6.1 SCALE: FULL



18 OUTSIDE CORNER
 A6.1 SCALE: FULL



19 INSIDE CORNER
 A6.1 SCALE: FULL



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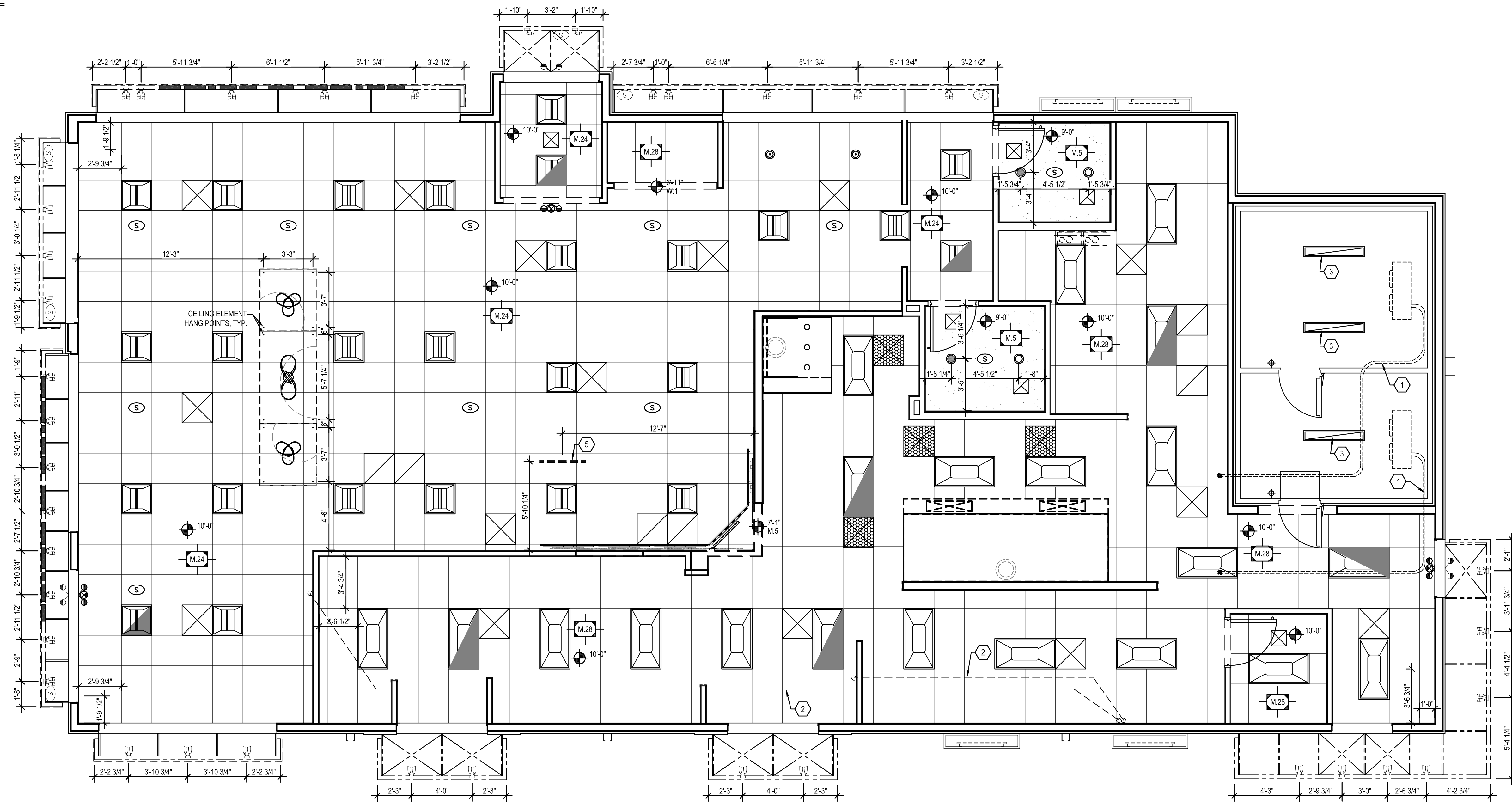
DETAILS

SHEET NUMBER:

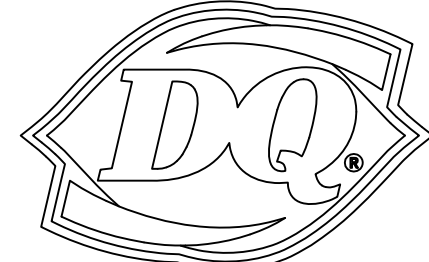
A6.1

REFLECTED CEILING PLAN NOTES

- 1 PRE-CHARGED LINESET MOUNTED/SECURED TO WALK-IN CEILING - REFER TO A2.2 FOR ROOF PENETRATION LOCATION AND DETAILS, REFER TO MANUFACTURER SPECIFICATIONS FOR TYPICAL UTILITY PENETRATION REQUIREMENTS.
- 2 RUN SYRUP LINE(S) & WATER LINE(S) FROM BAG-IN-BOX TO DRINK HEAD(S) & MISTY SLUSH. SEE SHEET P2 FOR ADDITIONAL NOTES REGARDING OVERHEAD OR UNDERGROUND INSTALLATION.
- 3 WALK-IN LIGHTING PROVIDED BY MANUFACTURER, INSTALLED BY ELECTRICAL CONTRACTOR.
- 4 COORDINATE LOCATION OF CEILING ELEMENT AND PENDANT LIGHTS WITH COUNTER HEIGHT SEATING.
- 5 COORDINATE LOCATION OF MOBILE ORDERS SIGN WITH FRONT COUNTER.



NEW BUILDING FOR:



GRILL & CHILL

BY PASS ROAD
BRANDENBURG, KY 40108

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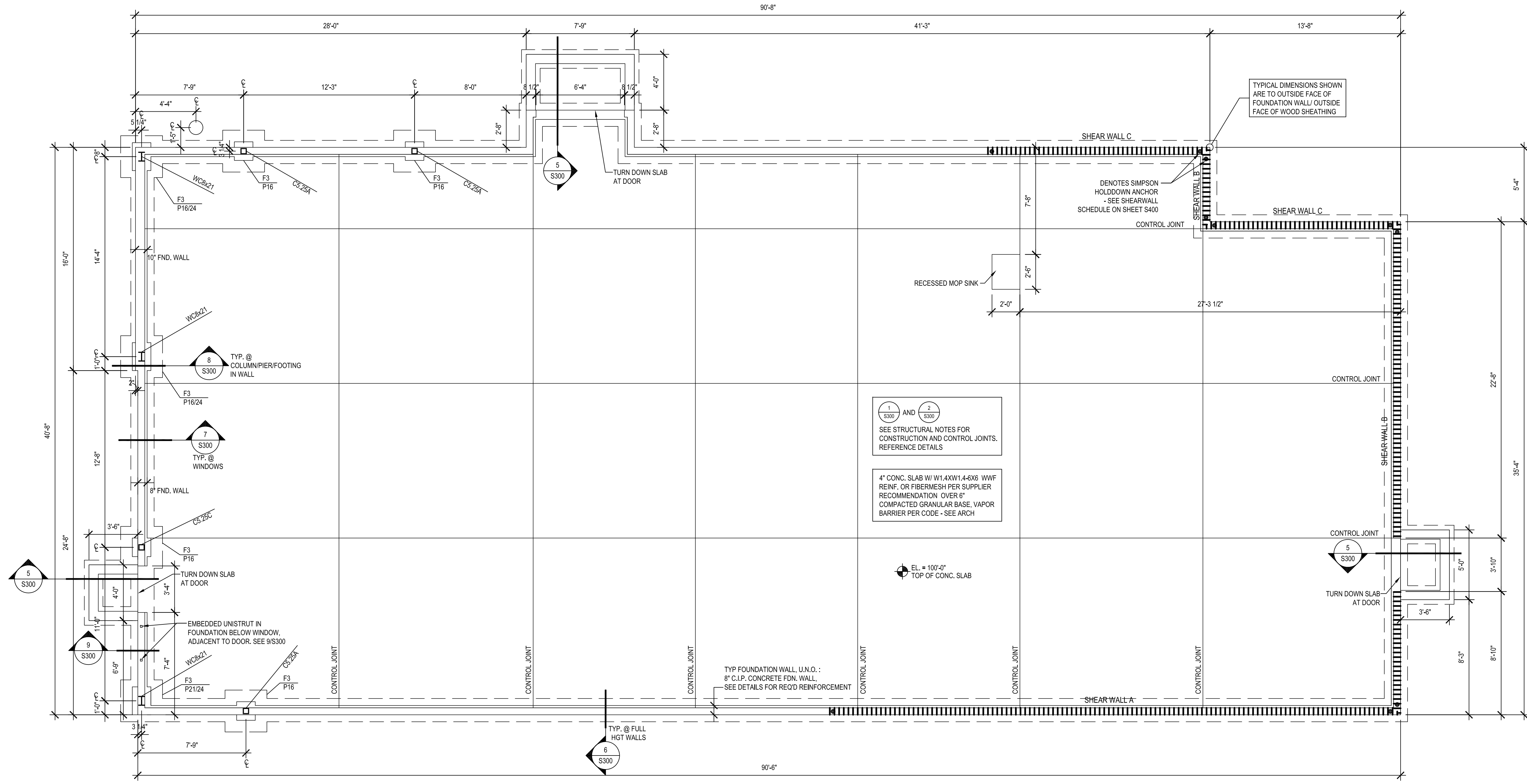
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REFLECTED
CEILING PLAN

SHEET NUMBER:
A7.1



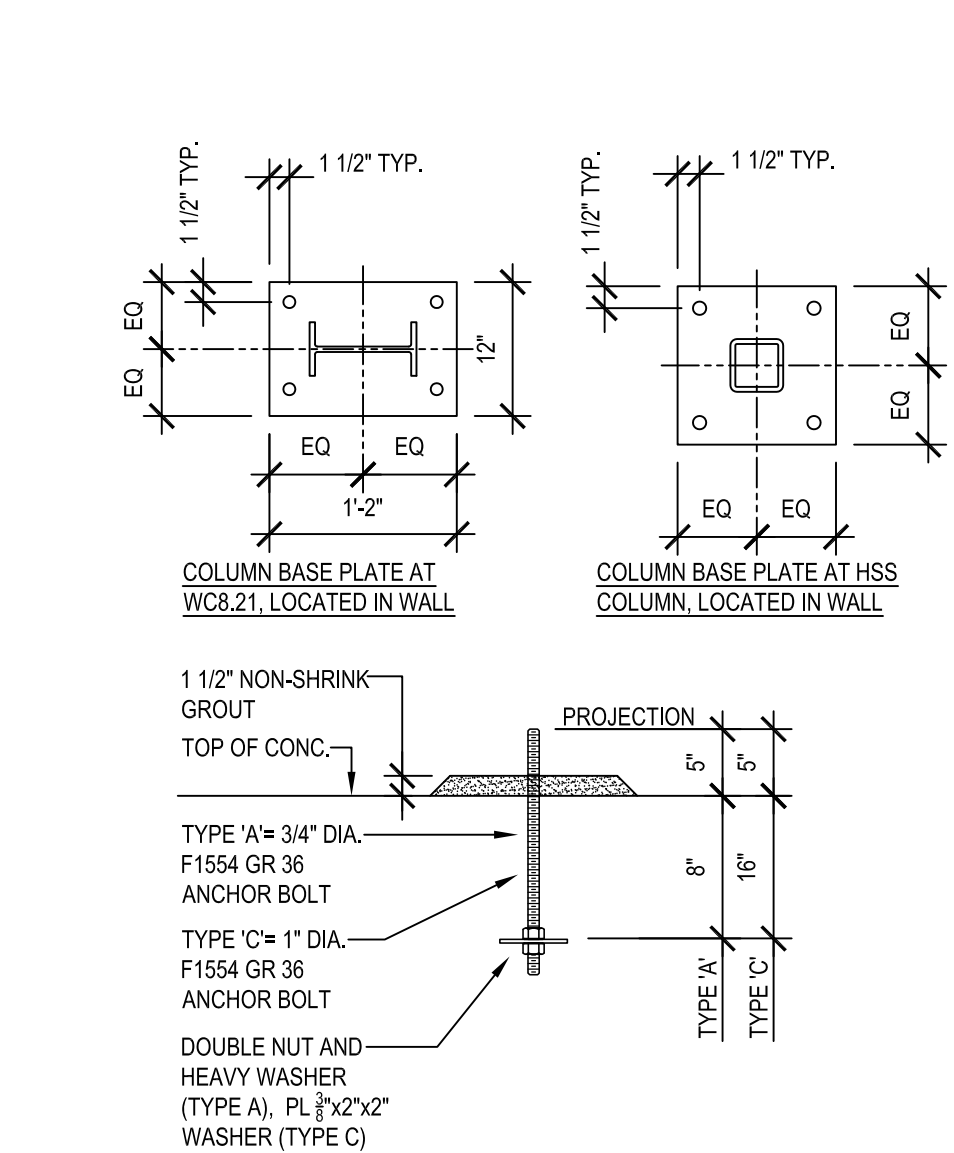
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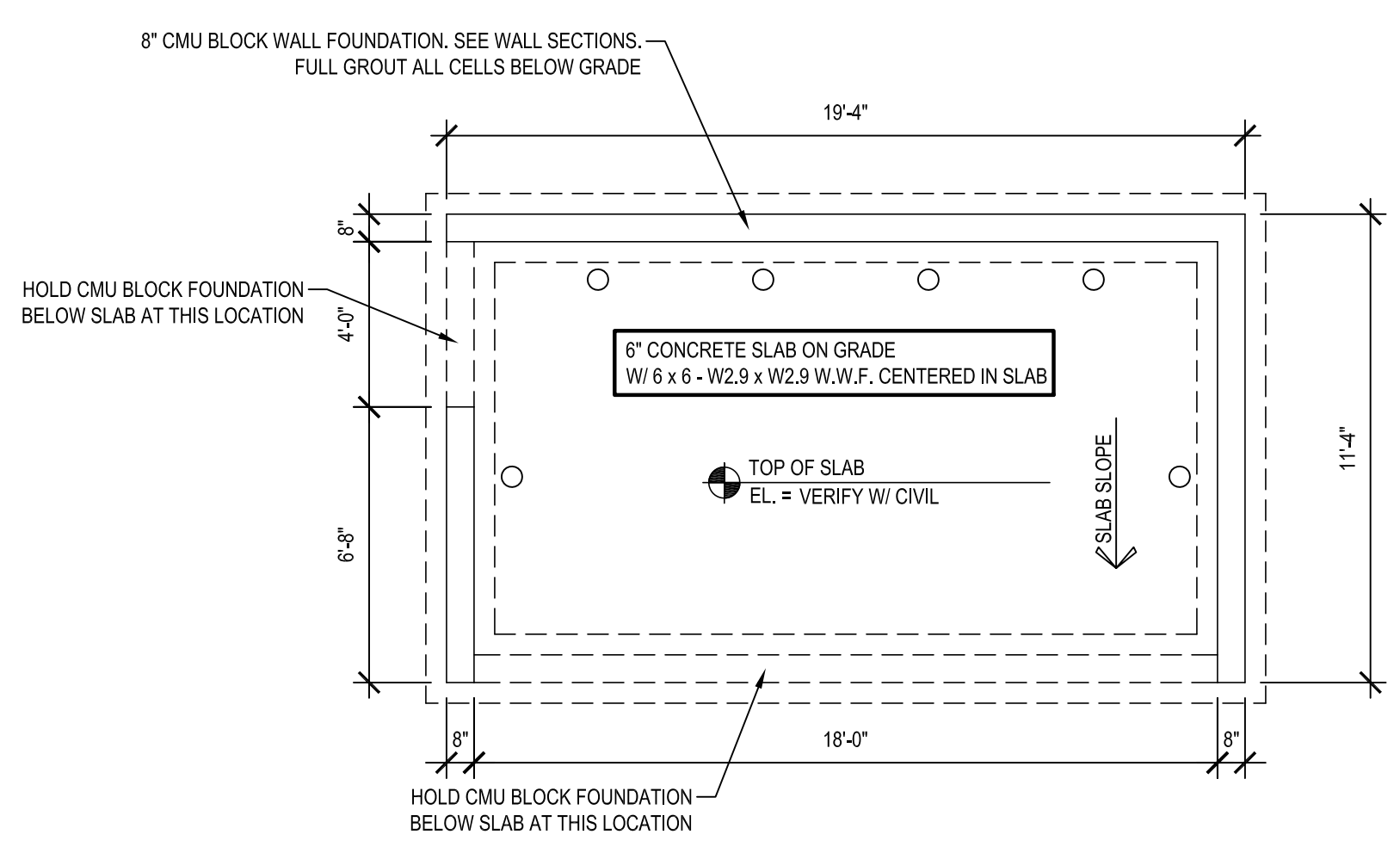
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1 FOUNDATION PLAN
 S100 SCALE: 1/4" = 1'-0"



2 TYP. BASE PLATE & ANCHOR BOLT DETAILS
 S100



3 TRASH ENCLOSURE FOUNDATION PLAN
 S100

1 AND 2
 S300 SEE STRUCTURAL NOTES FOR CONSTRUCTION AND CONTROL JOINTS. REFERENCE DETAILS

4\"/>
 REINFC. OR FIBERMESH PER SUPPLIER RECOMMENDATION OVER 8\"/>
 COMPACTED GRANULAR BASE, VAPOR BARRIER PER CODE - SEE ARCH

EL. = 100'-0\"/>
 TOP OF CONC. SLAB

TYP. FOUNDATION WALL, U.N.O. :
 8\"/>
 C.I.P. CONCRETE FDN. WALL. SEE DETAILS FOR REQ'D REINFORCEMENT

FOOTING SCHEDULE

MARK	SIZE	REINFORCING: BOTTOM U.N.O.
F3	3'-0\"/> x 3'-0\"/> x 12\"/>	(3) #5 BARS EACH WAY

PIER SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
P18	18\"/> x 18\"/> CIP CONCRETE PIER	(4) #6 VERT. W/ #3 TIES AT 12\"/> O.C. AND (2) EXTRA ON TOP	BUILT INTEGRAL WITH FDN WALL
P21/24	21\"/> x 24\"/> CIP CONCRETE PIER	(6) #6 VERT. W/ #3 TIES AT 12\"/> O.C. AND (2) EXTRA ON TOP	BUILT INTEGRAL WITH FDN WALL

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLT TYPE
C5.25-A	HSS5 x 5 x 1/4	3/4\"/> x 11\"/> x 11\"/>	A
C5.25-C	HSS5 x 5 x 1/2	3/4\"/> x 11\"/> x 11\"/>	C
WC8.21	W8 x 21	1 1/8\"/> x 12\"/> x 14\"/>	C

1. BPE (BOTTOM OF BASE PLATE ELEVATION) = 99'-5 1/2\"/>
 2. WELD CAP PLATES ON COLUMNS W/ 1/4\"/>
 FILLET ALL AROUND, U.N.O.
 3. ALL COLUMNS ARE CONTINUOUS TO FOOTING U.N.O.

FOUNDATION PLAN NOTES:

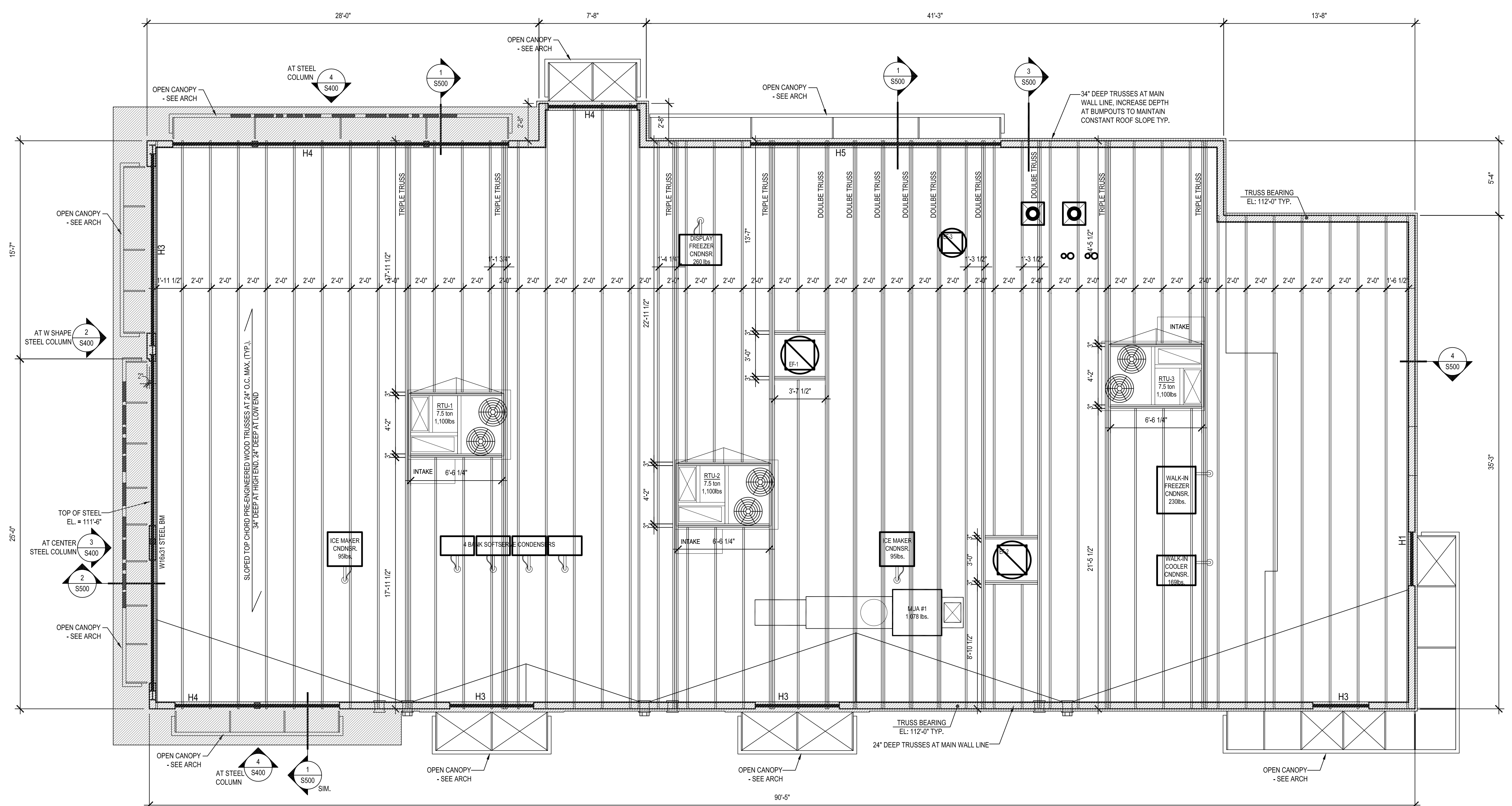
- ALL EXTERIOR WALL FOOTINGS TO BE 24\"/>
 x 10\"/>
 CONCRETE STRIP FOOTINGS WITH (3) #5 CONTINUOUS AT TYPICAL WALL.
 - TOP OF EXTERIOR FOOTING SHALL BE AT ELEVATION 97'-4\"/>
 (U.N.O.)
 - ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND WALL FTGS ARE CENTERED BENEATH WALLS (U.N.O.).
 - STEPPED WALL FOOTINGS ARE INDICATED THUS:
 TFE _____ SEE DETAIL 3 S300
 TFE _____
- DROP FOOTING AS REQUIRED BY SITE TO MAINTAIN FROST COVER.
 CONTRACTOR NOTE: COORDINATE STEP LOCATIONS W/ FINAL SITE GRADE.
- VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECHANICAL LINES BELOW FOUNDATION, DISCONTINUE OR THICKEN FOOTING AS INDICATED IN DETAIL. 4 S300
 - PROVIDE 1/2\"/>
 DIA. x 12\"/>
 ANCHOR BOLTS AT 4'-0\"/>
 O.C. AND PLACE WITHIN 12\"/>
 OF ALL WINDOWS AND DOORS AT ALL EXTERIOR WALLS, AND INTERIOR BEARING WALLS. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL ANCHOR BOLT REQUIREMENTS
 - VERIFY ALL DOOR AND STOOP LOCATIONS WITH OWNER AND ARCHITECT.

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FOUNDATION PLAN

SHEET NUMBER:
S100

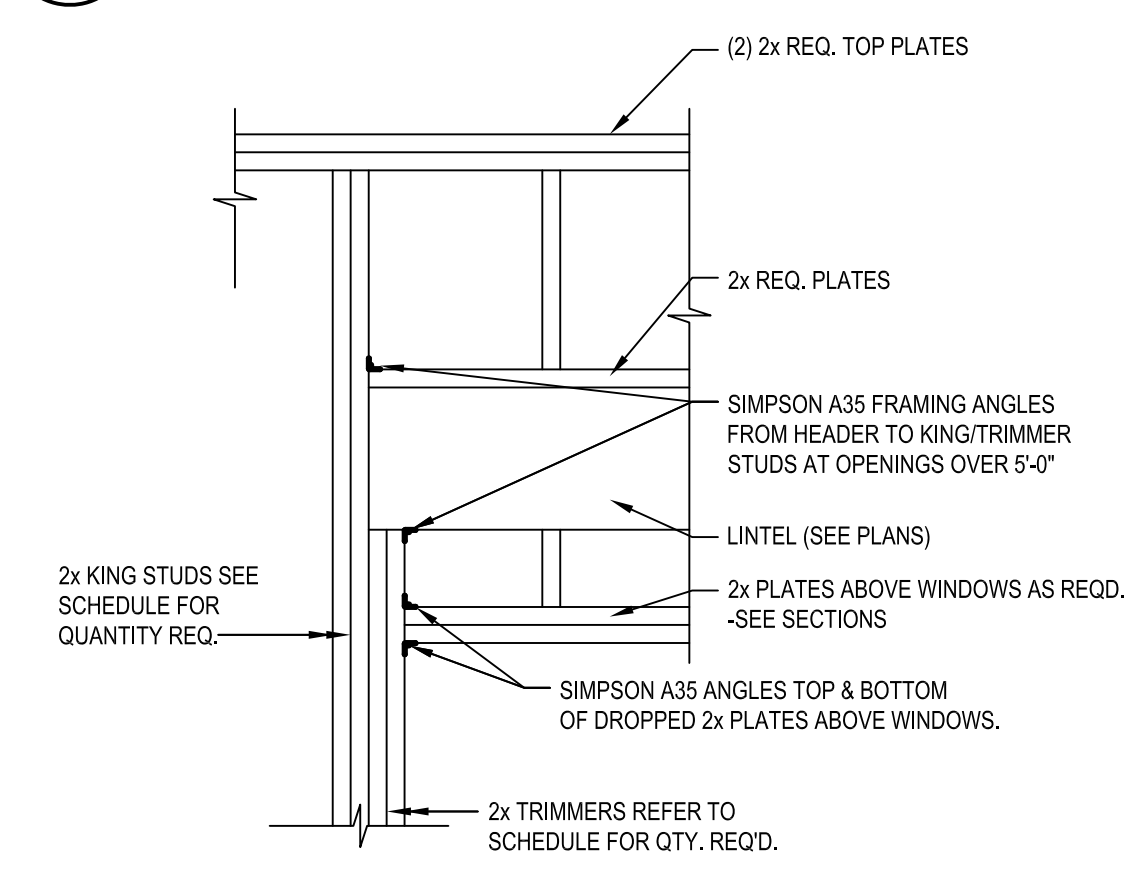
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NOTE: SEE SHEET S100 FOR OUTSIDE FACE OF WOOD SHEATHING/OUTSIDE FACE OF FOUNDATION DIMENSIONS. DIMENSIONS SHOWN ON THIS SHEET ARE TO OUTSIDE FACE OF ROUGH FRAMING.

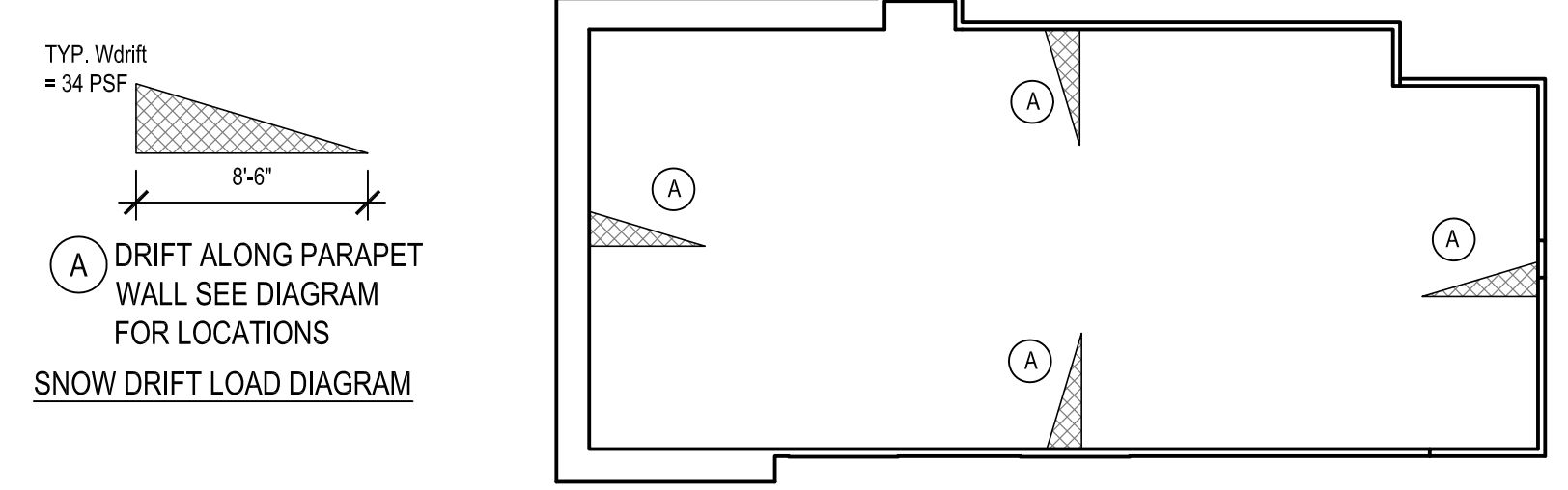
CONTRACTOR TO VERIFY / COORDINATE SIZE, WEIGHT, AND LOCATION OF RTU'S W/ TRUSS SUPPLIER AND MECH. CONTRACTOR. TRUSS DIMENSIONS ARE FOR CRITICAL ROOF OPENINGS. SEE TRUSS DRAWINGS FOR FINAL LAYOUT.

1 ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"



NOTE: KING AND TRIMMER STUDS TO BE SAME WIDTH AS WALL CONSTRUCTION

2 HEADER DETAIL
 SCALE: 1/4" = 1'-0"



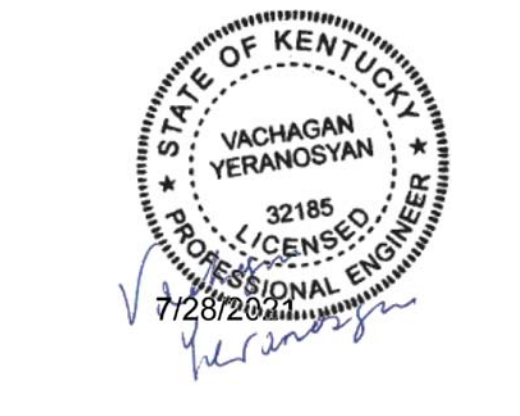
3 SNOW DRIFT LOAD DIAGRAMS
 SCALE: 1/4" = 1'-0"

HEADER SCHEDULE **

MARK	SIZE	NO. OF TRIMMER STUDS	NO. OF KING STUDS
H1	(2) 2x10	1	2
H2	(3) 1 1/2" X 9 1/4" LVL	2	3
H3	(2) 1 1/2" X 16" LVL	2	3
H4	(3) 1 1/2" X 16" LVL	3	3
H5	(3) 1 1/2" X 16" LVL	3	4

**SEE PLAN FOR HEADER BEARING AT STEEL COLUMN

- ROOF FRAMING PLAN NOTES:**
- TRUSS SUPPLIER/ENGINEER TO USE THE FOLLOWING LOADING CRITERIA:
 TOP CHORD:
 SL = 20 PSF + DRIFT (SEE DIAGRAM)
 DL = 15 PSF
 BOTTOM CHORD:
 DL = 10 PSF
 WIND = PER ASCE 7-10 (15MPH ULTIMATE); EXP. C, BASED ON TRIBUTARY AREA.
 MAX ROOF DL USED FOR UPLIFT = 10 PSF
 - TYPICAL TRUSS BEARING ELEVATIONS ARE SHOWN ON PLANS. (T.B.E. =)
 - INSTALL TRUSSES AND BRACING PER TRUSS MANUFACTURER'S RECOMMENDATIONS.
 - TYPICAL EXTERIOR WALLS TO BE 1/2" PLYWOOD OR OSB SHEATHING.
 .1312 1/2" NAILS SPACED AT 6" O.C. AT EDGES AND BOUNDRIES. 12" O.C. IN THE FIELD. U.N.O.
 - SEE DETAIL S400 FOR ADDITIONAL SHEARWALL REQUIREMENTS
 - TYPICAL WALL STUDS ARE 2x6 SPP NO. 1 / NO. 2 OR BETTER AT 16" O.C. U.N.O. ON PLANS.
 - ROOF SHEATHING TO BE 5/8" THICKNESS (MINIMUM) 5/8" SPAN RATING W/ .1312 1/2" NAILS AT 12" O.C. IN THE FIELD AND 6" O.C. AT EDGES AND BOUNDARIES. SEE DETAIL S400 AND STRUCTURAL NOTES FOR ROOF NAILING REQUIREMENTS



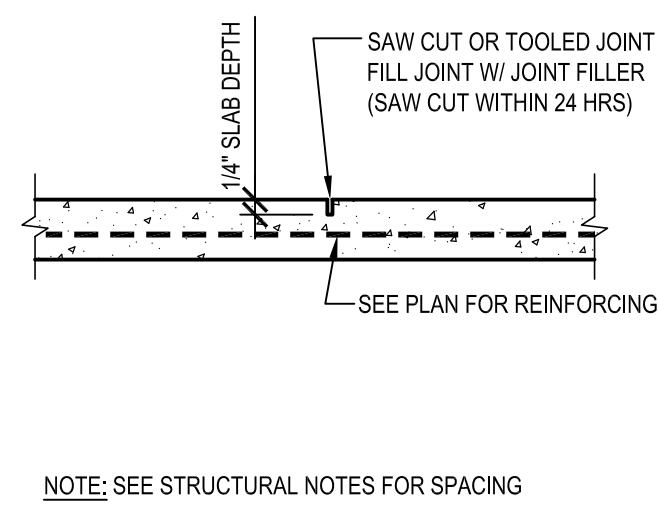
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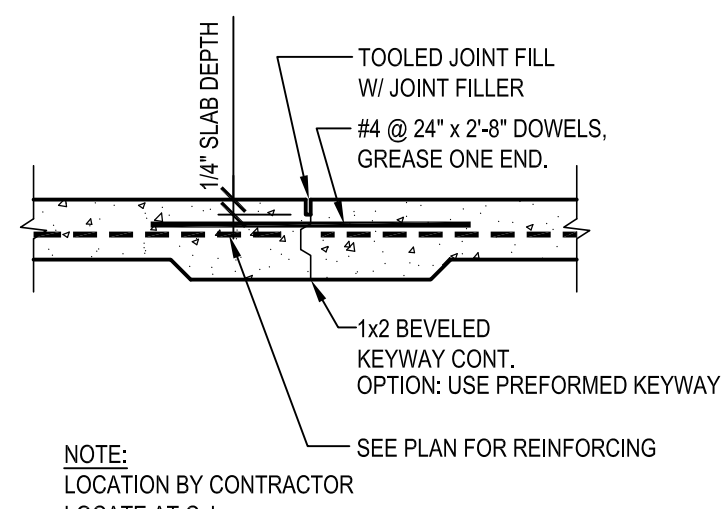
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ROOF FRAMING PLAN

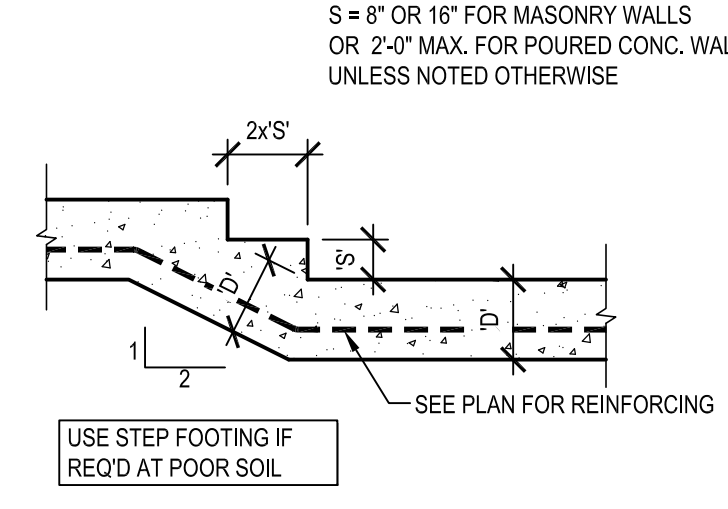
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S200



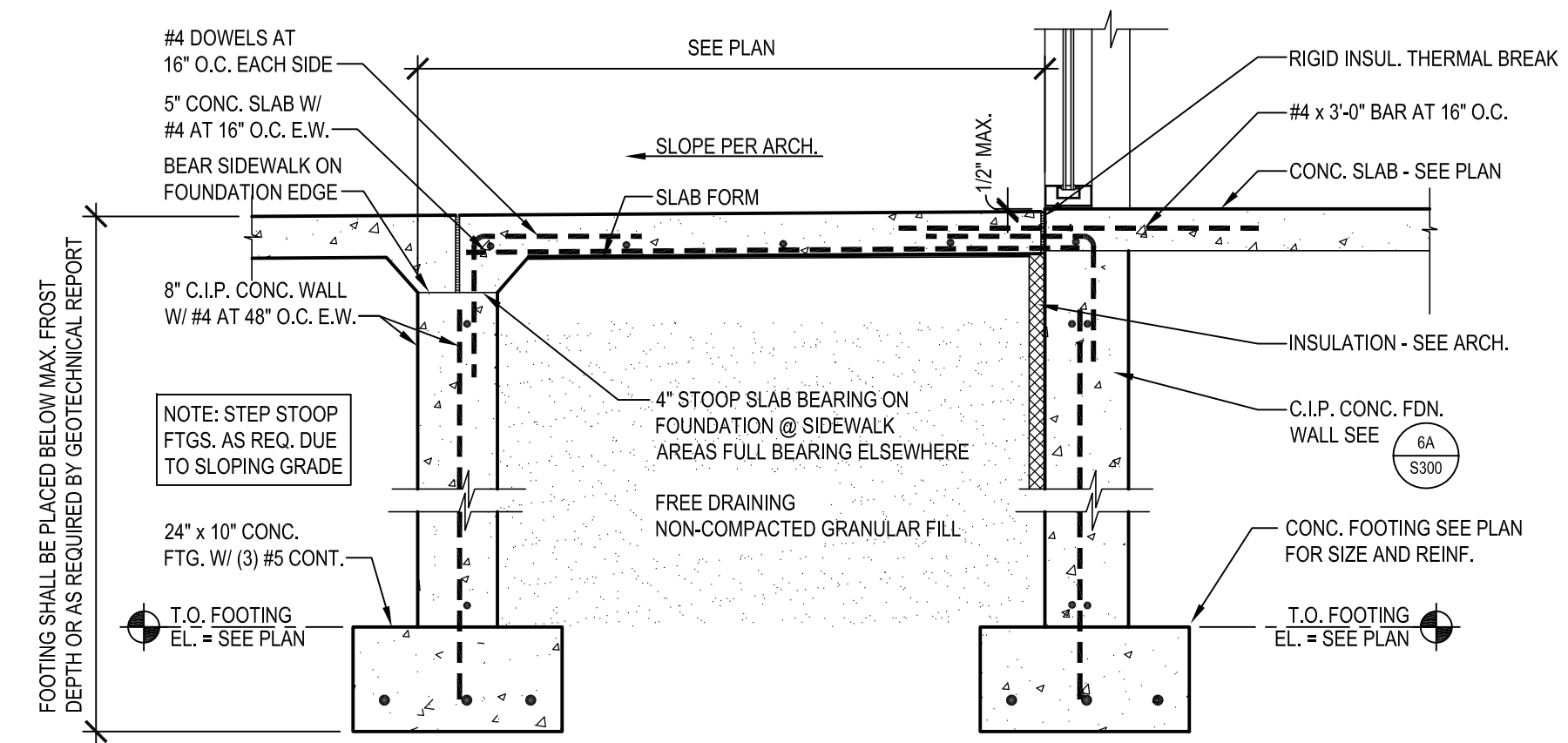
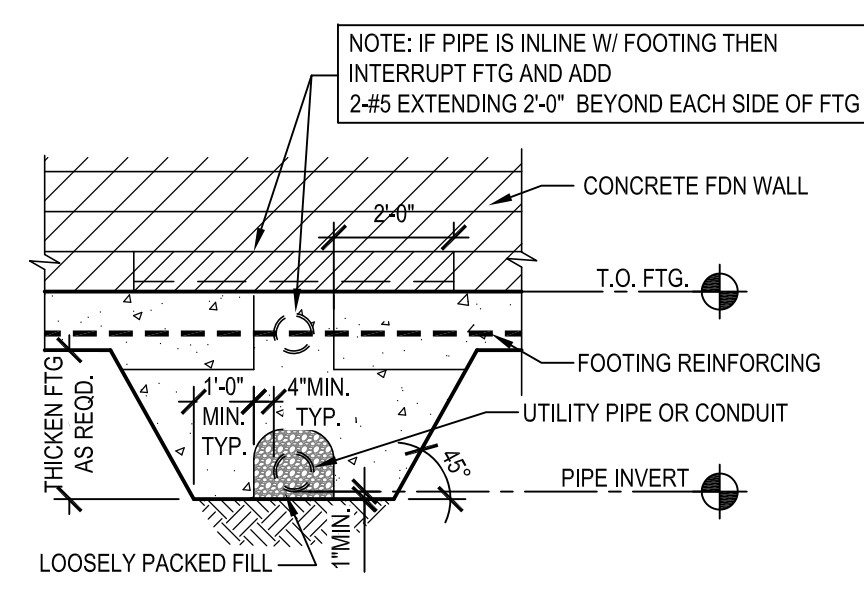
NOTE: SEE STRUCTURAL NOTES FOR SPACING



NOTE: LOCATION BY CONTRACTOR LOCATE AT C.J.



USE STEP FOOTING IF REQ'D AT POOR SOIL



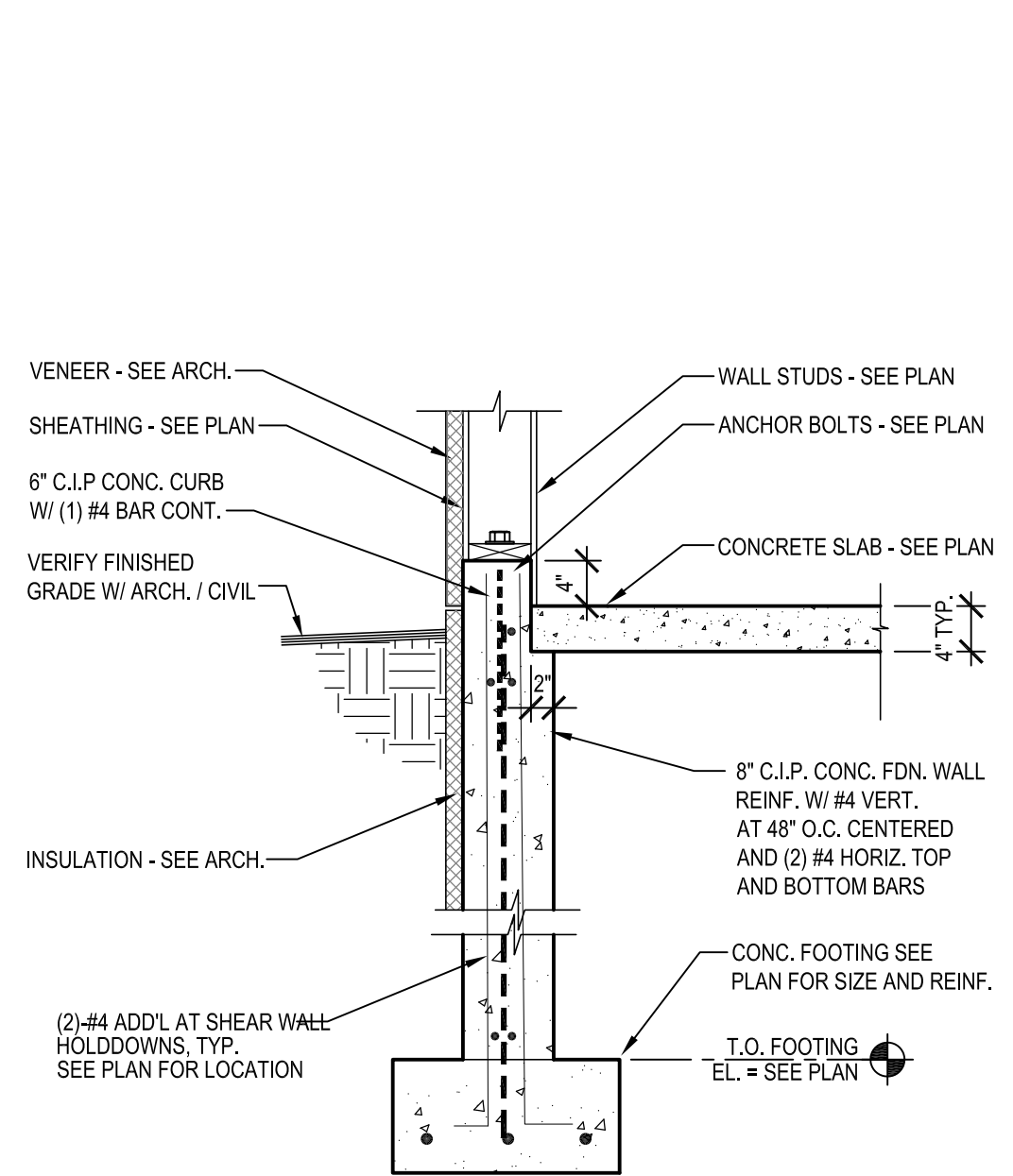
1 CONTROL JOINT - SLAB
S300

2 CONSTRUCTION JOINT - SLAB
S300

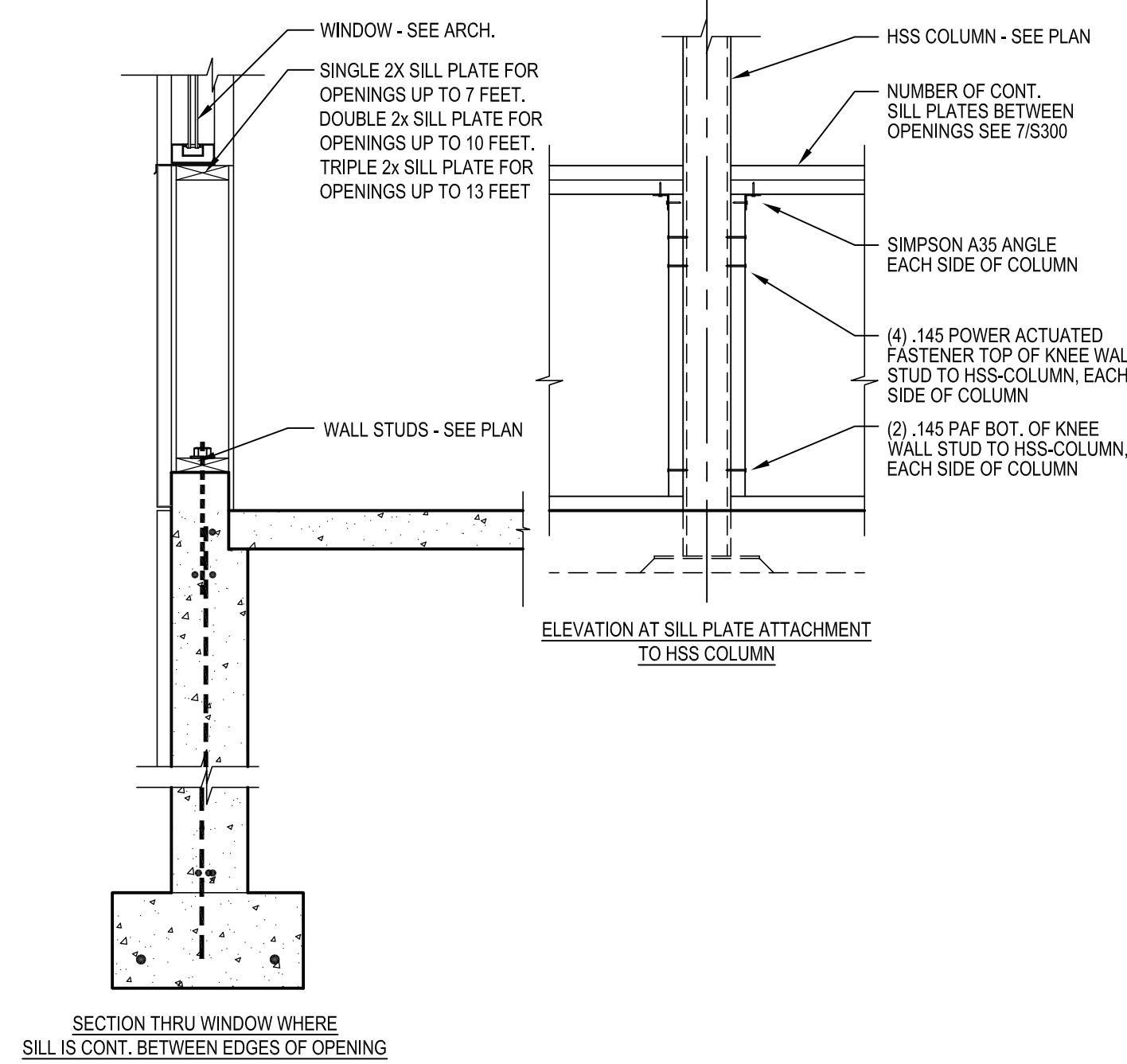
3 STEP FOOTING
S300

4 FOUNDATION AT UTILITY
S300

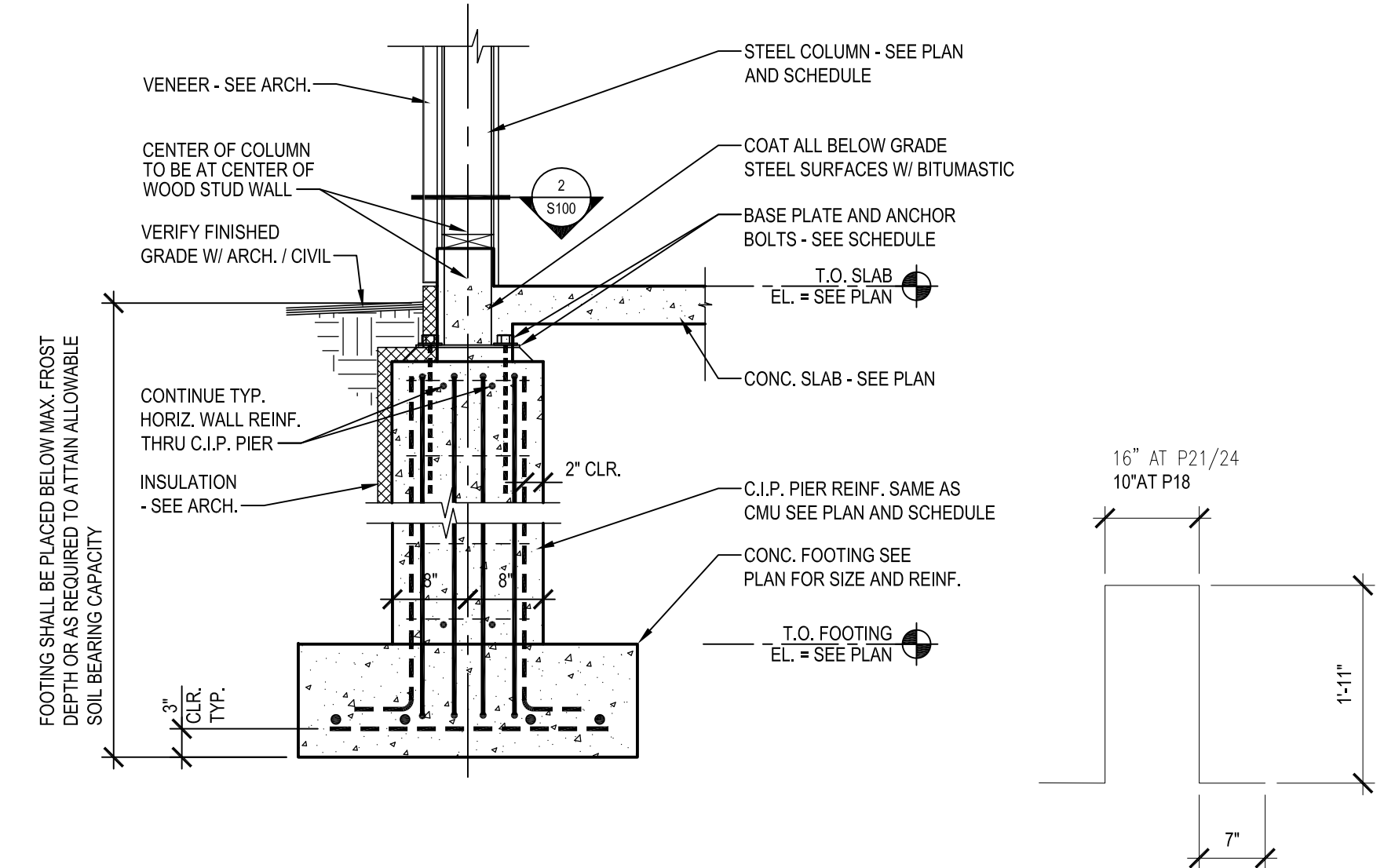
5 STOOP SECTION
S300



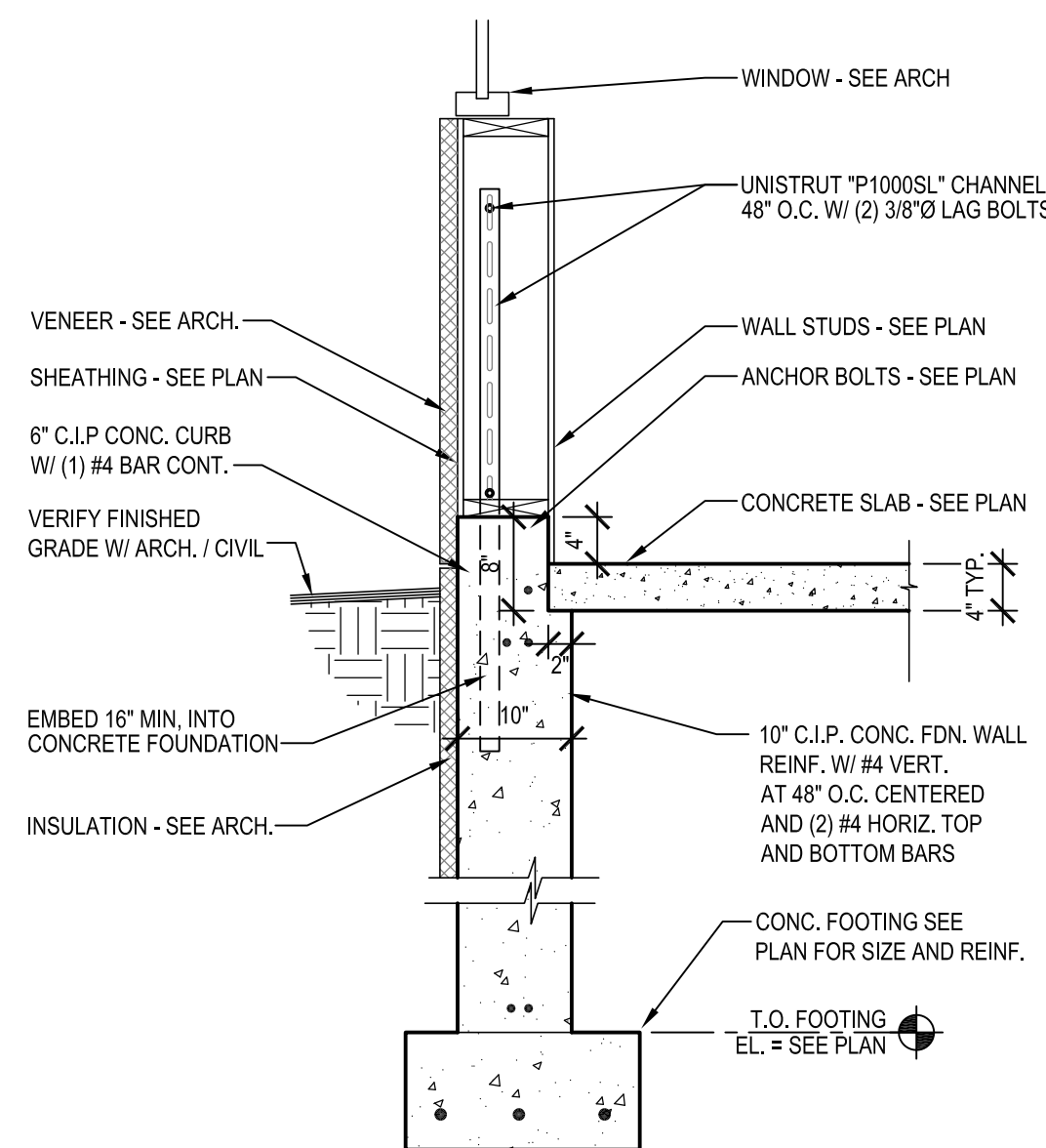
6 TYP. FOUNDATION SECTION
S300



7 FOUNDATION SECTION AT WINDOW
S300



8 SECTION AT COLUMN PIER
S300



9 FOUNDATION SECTION
S300



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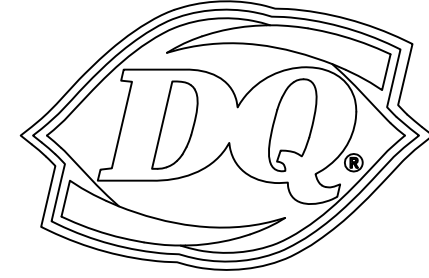
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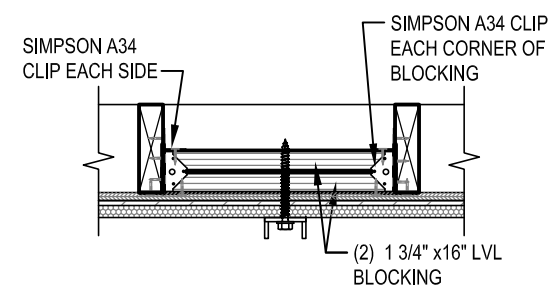
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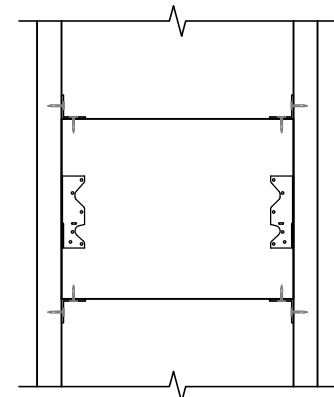
GRILL & CHILL

BY PASS ROAD
BRANDENBURG, KY 40108

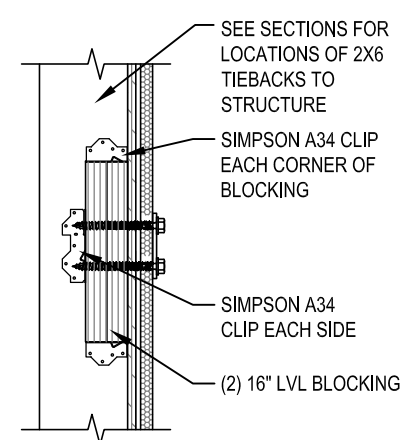
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PLAN VIEW



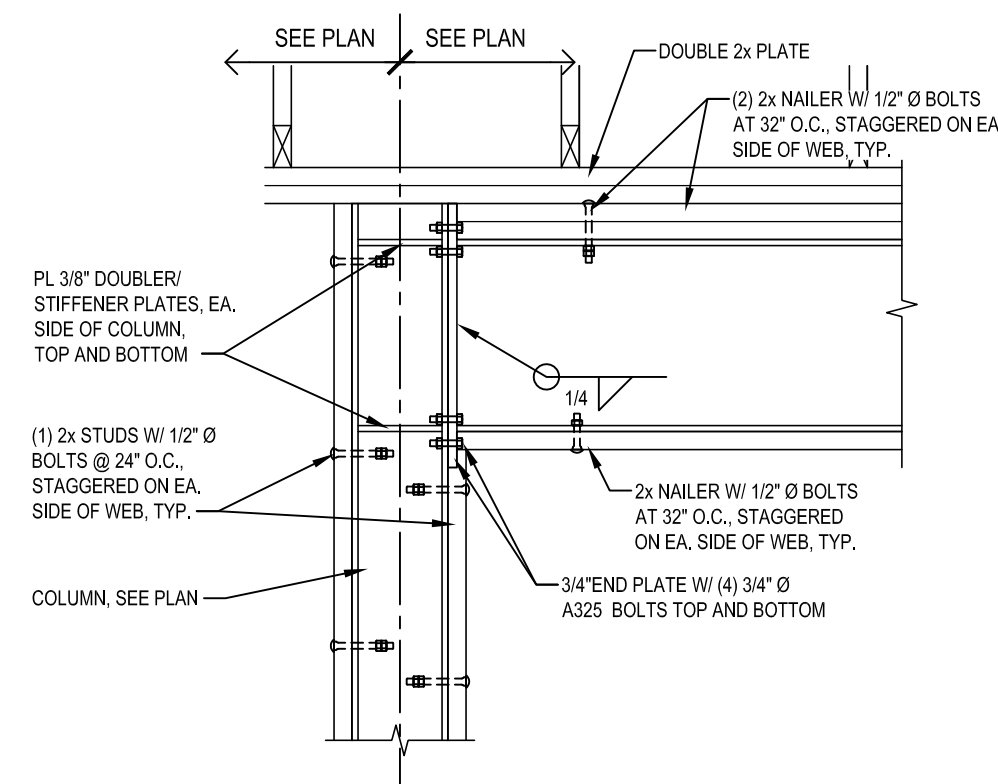
ELEVATION VIEW



SECTION VIEW

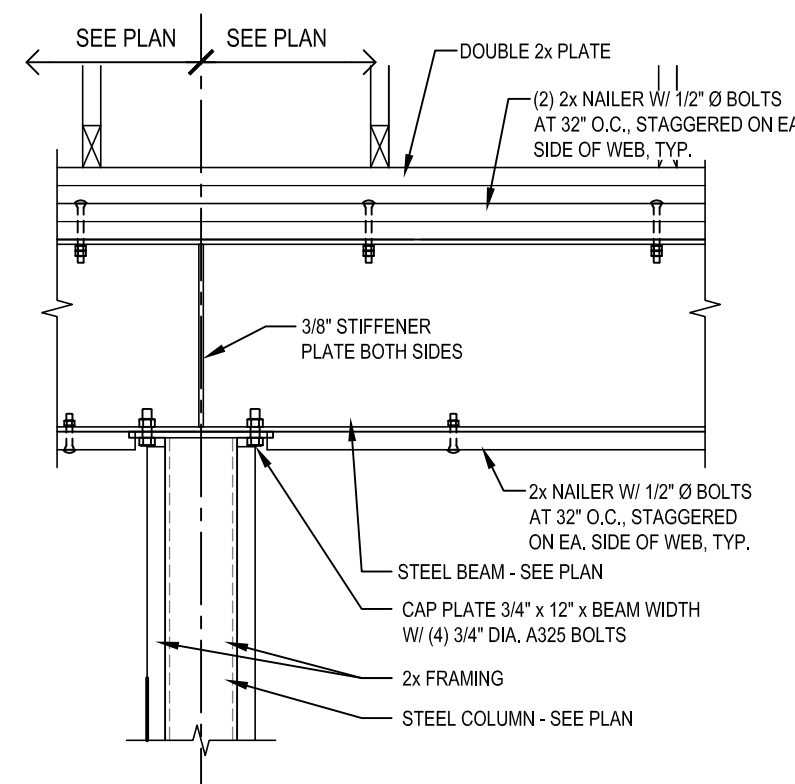
1 BLOCKING DETAIL

S400



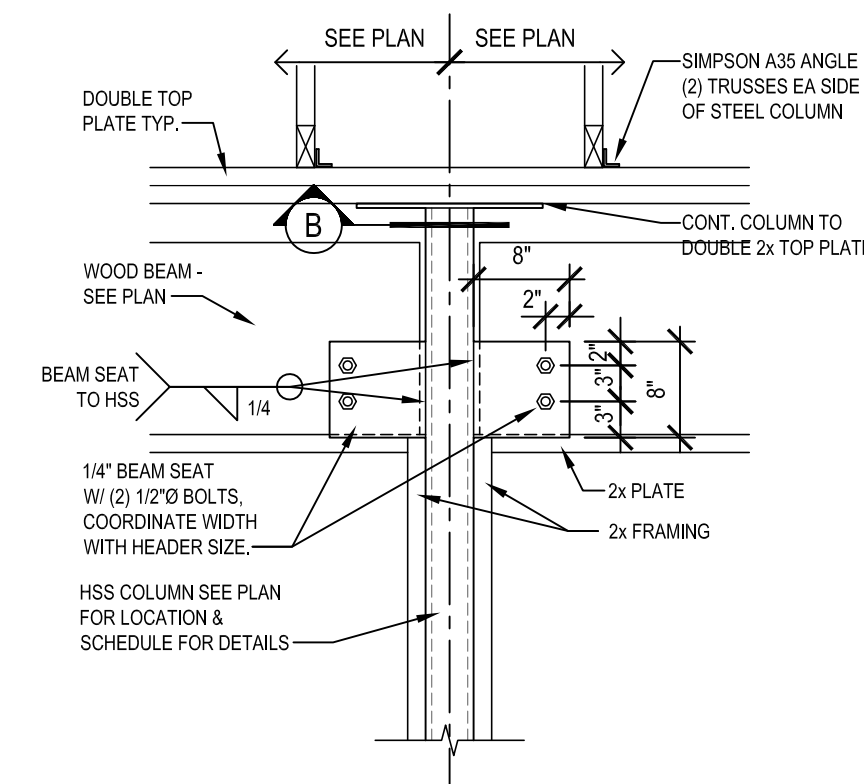
2 WIND FRAME DETAIL

S400



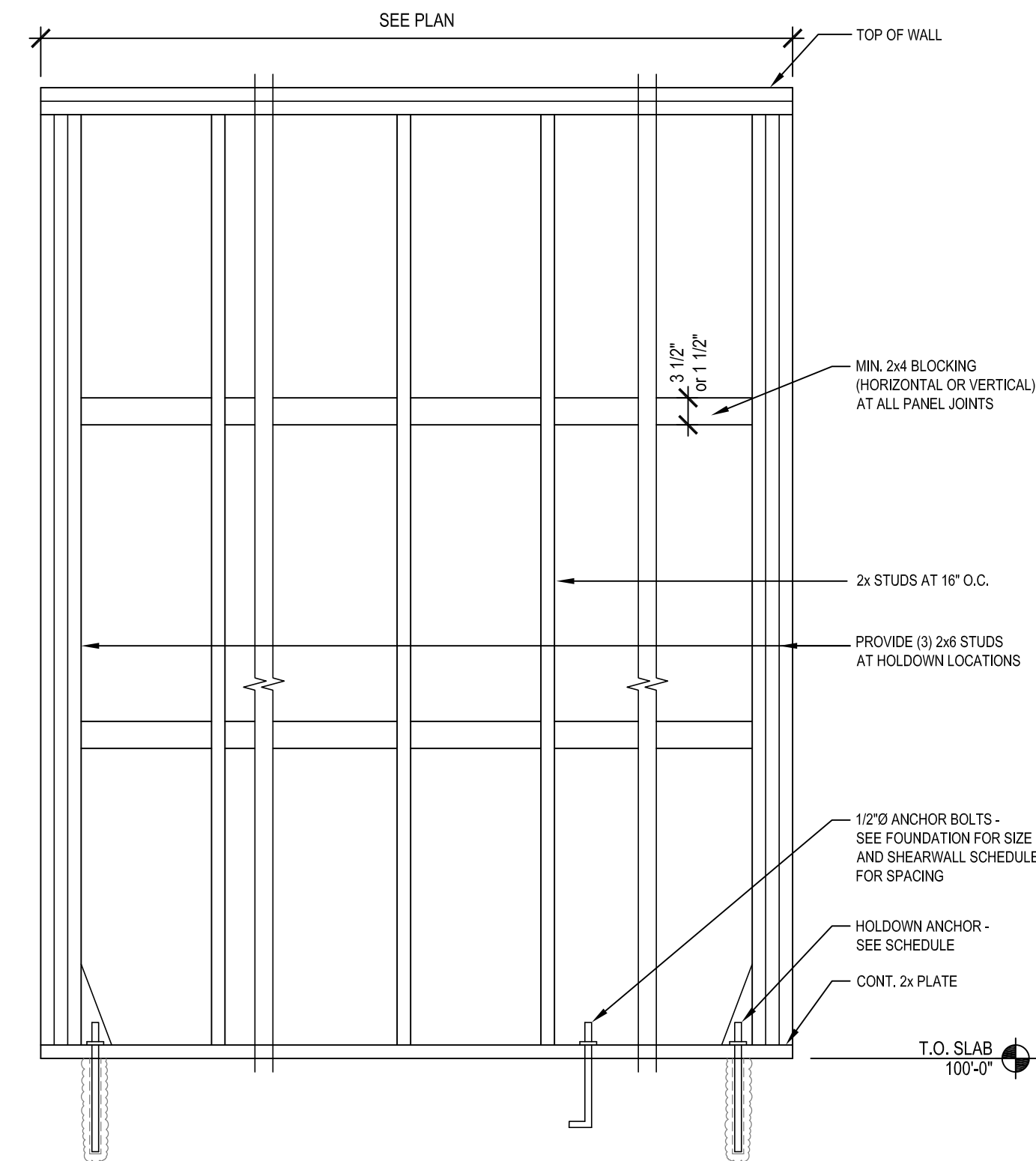
3 BEAM/COLUMN DETAIL

S400



4 DETAIL

S400

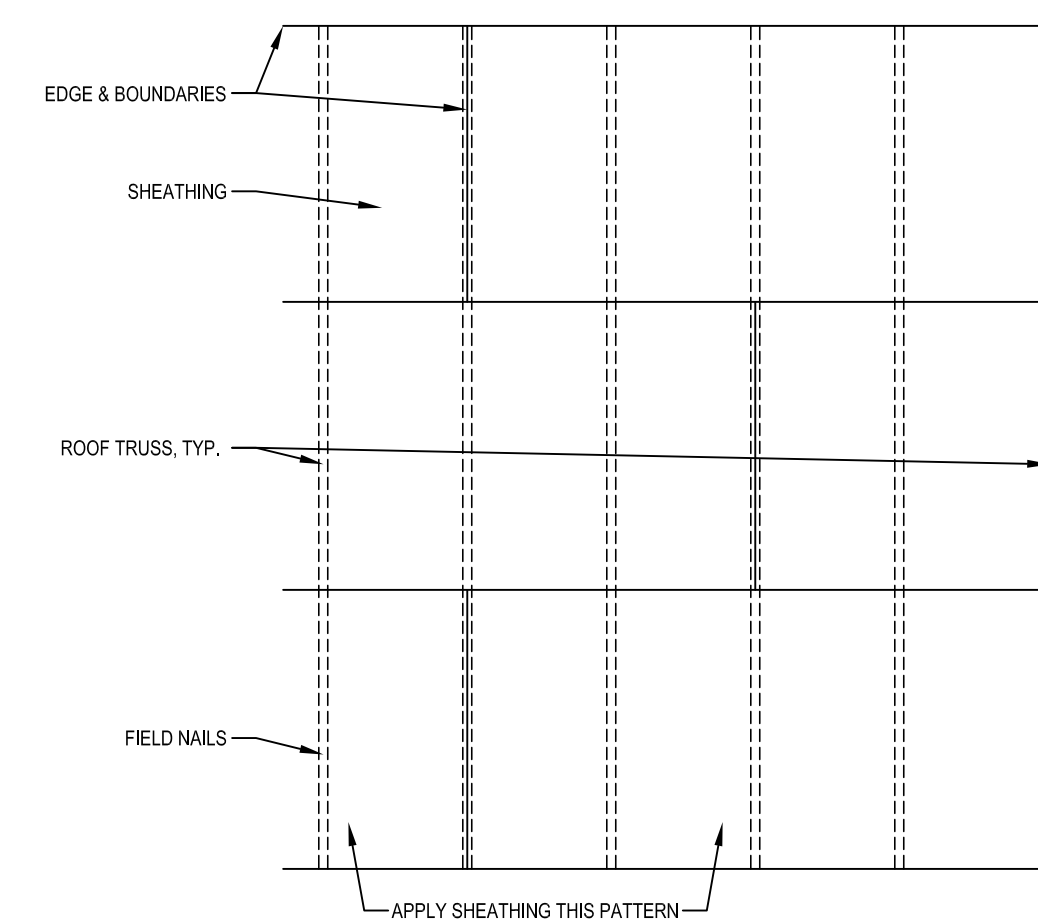


5 SHEARWALL SCHEDULE AND DETAIL

S400

SHEARWALL SCHEDULE							
MARK	SHEATHING	SHEATHING NAIL SIZE	SHEATHING NAIL** SPACING AT PANEL EDGES	SHEATHING NAIL** SPACING AT INTERMEDIATE SUPPORTS	HOLDDOWN*** ANCHORS	ANCHOR BOLT SPACING	REMARKS
A	(1) 15/32	.131 x 2 1/2"	6"	12"	NONE	48"	
B	(1) 15/32	.131 x 2 1/2"	4"	12"	(1) SIMPSON HDUS 7/8" Ø THRD. ROD ANCHOR W/ HEAVY HEX NUT	24"	15' MIN. EMBED ON HOLDDOWN ANCHORS
C	(1) 15/32	.131 x 2 1/2"	6"	12"	(1) SIMPSON HDUS 7/8" Ø THRD. ROD ANCHOR W/ HEAVY HEX NUT	24"	15' MIN. EMBED ON HOLDDOWN ANCHORS

NOTES:
 1. SHEATHING PANELS MAY BE LAID UP HORIZONTALLY OR VERTICALLY. NO VERTICAL PANEL EDGES ON VERTICAL CHORDS (HOLDDOWN LOCATION).
 2. WIND LOADS GOVERN OVER SEISMIC LOADS.
 3. SCREW HOLDDOWN ANCHORS TO VERTICAL MEMBER W/ ALL MFR'S. SUPPLIED SCREWS.
 * IF SILL PLATE OR TOP PLATES ARE NOT CONTINUOUS, CONTACT THE ENGINEER OF RECORD FOR SOLUTION.
 ** NAIL SHEATHING TO ROOF DIAPHRAGM CHORD & TO EACH MEMBER/WALL VERTICAL CHORD W/ 1.31 x 2 1/2" NAILS @ 6" O.C. LING.
 *** AS MANUF. BY SIMPSON, USE HILTI HIT HY200 EPOXY FOR THE INSTALLATION OF THREADED ROD ANCHORS, UNLESS CAST-IN-PLACE SPECIFIED.



ROOF DIAPHRAM NOTES:
 1. SEE PLAN AND STRUCTURAL NOTES FOR SHEATHING THICKNESS AND NAILING REQUIREMENTS.
 2. NAIL EDGE AND BOUNDARY NAILS W/ .131 x 2 1/2" NAILS AT 6" O.C.
 3. NAIL FIELD W/ .131 x 2 1/2" NAILS @ 12" O.C.
 4. NAILS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF SHEATHING

6 ROOF CONSTRUCTION

S400



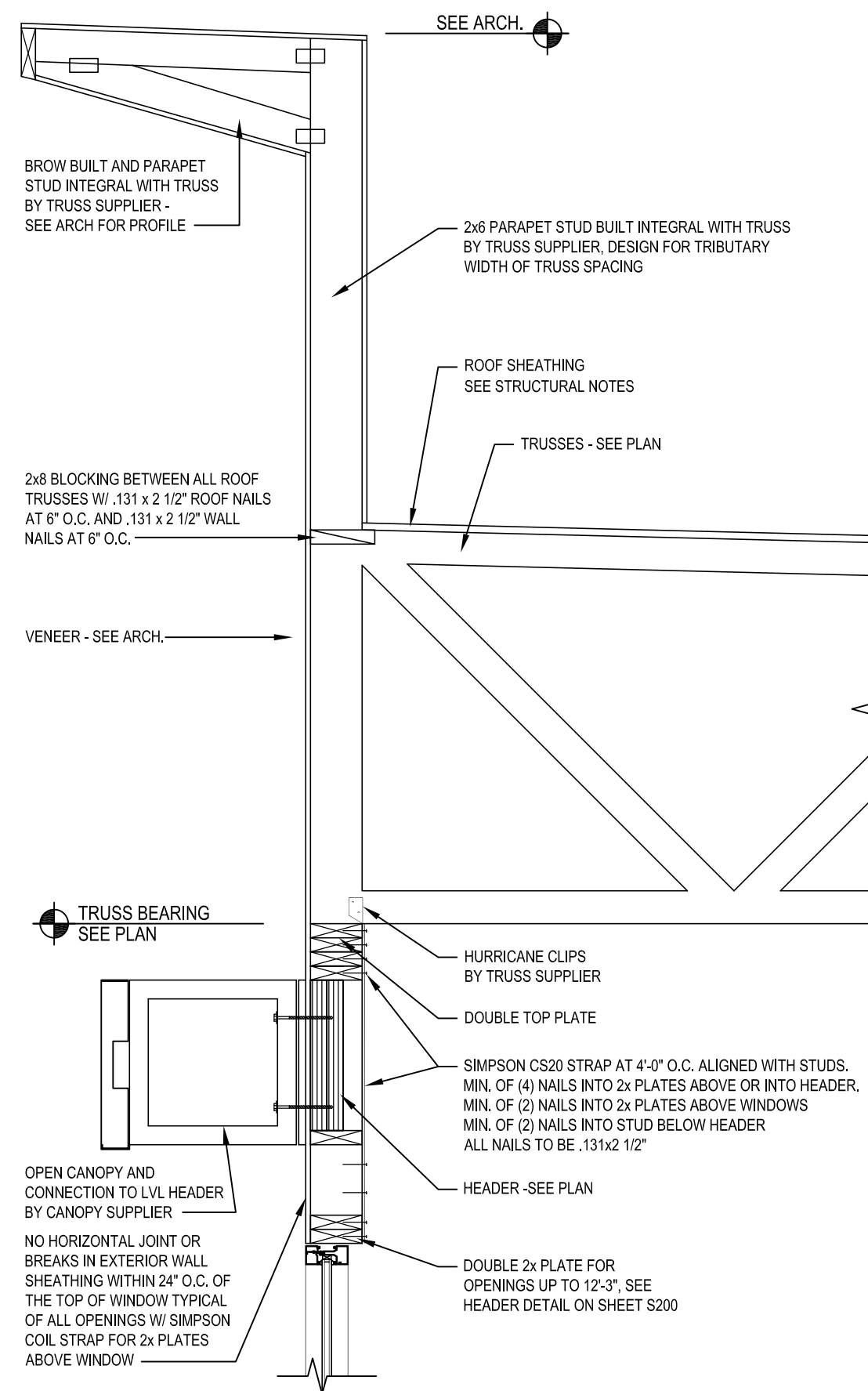
KENTUCKY ENGINEER LICENSE NUMBER
32185

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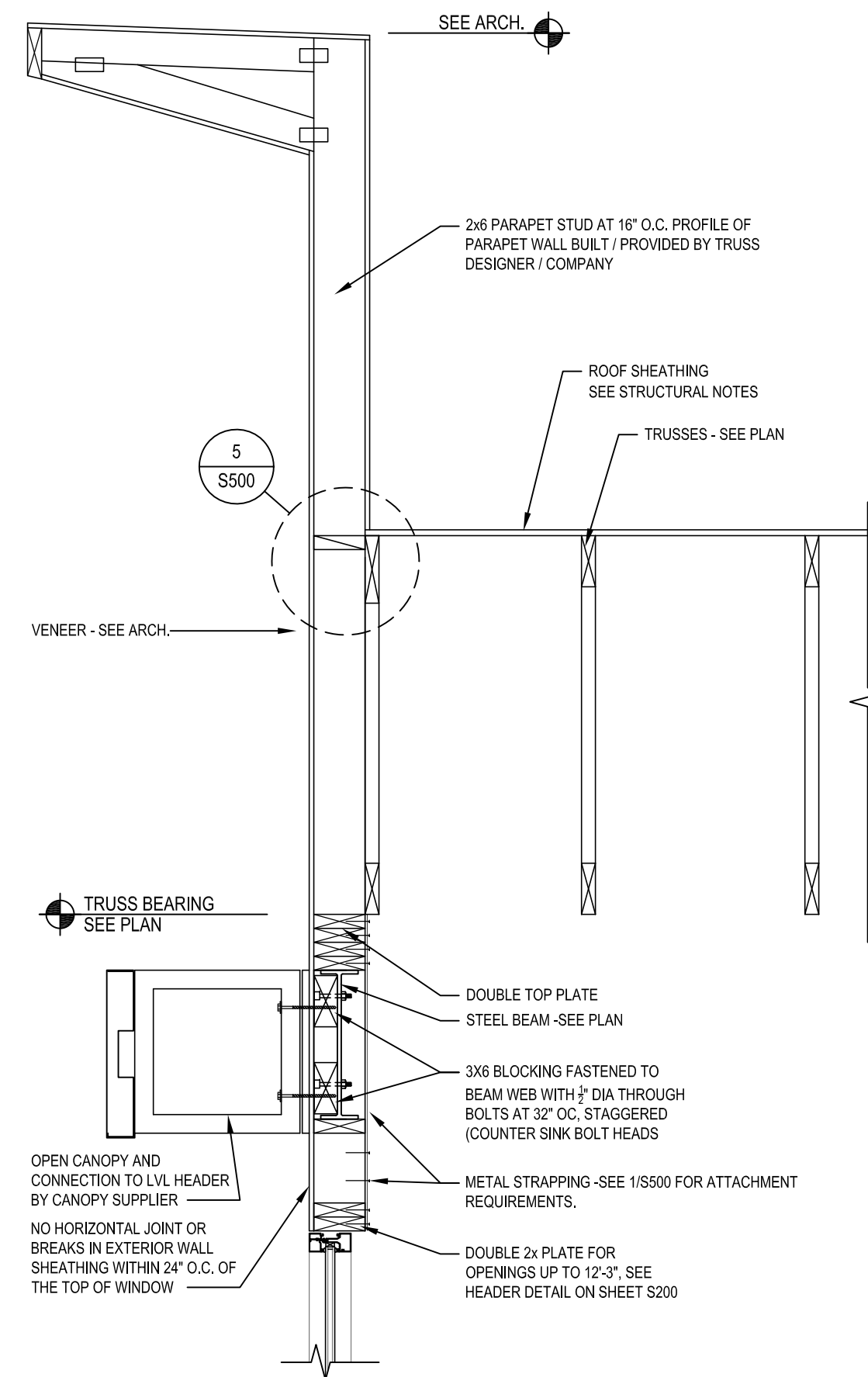
ISSUE DATE: 09/03/21
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DETAILS

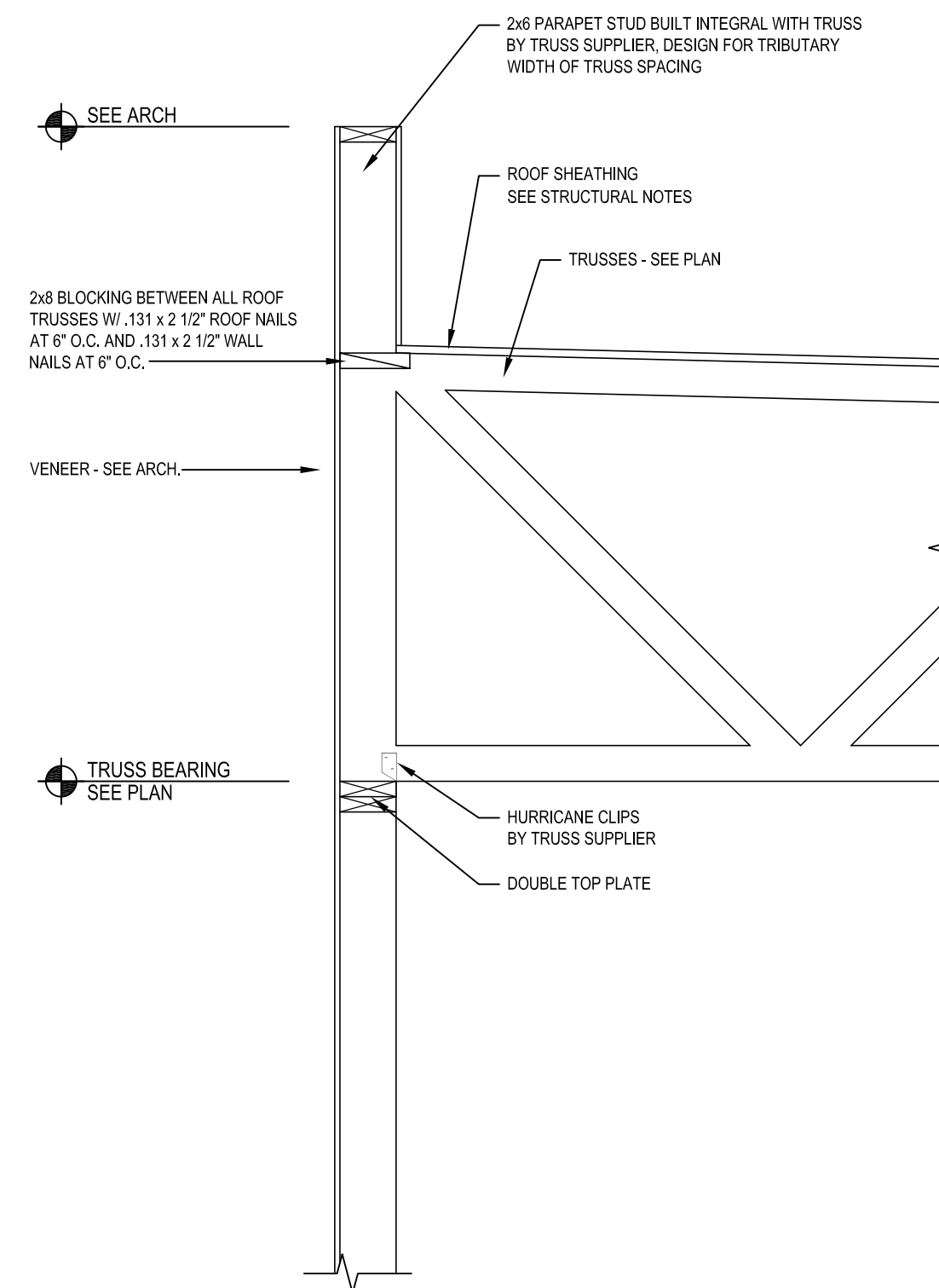
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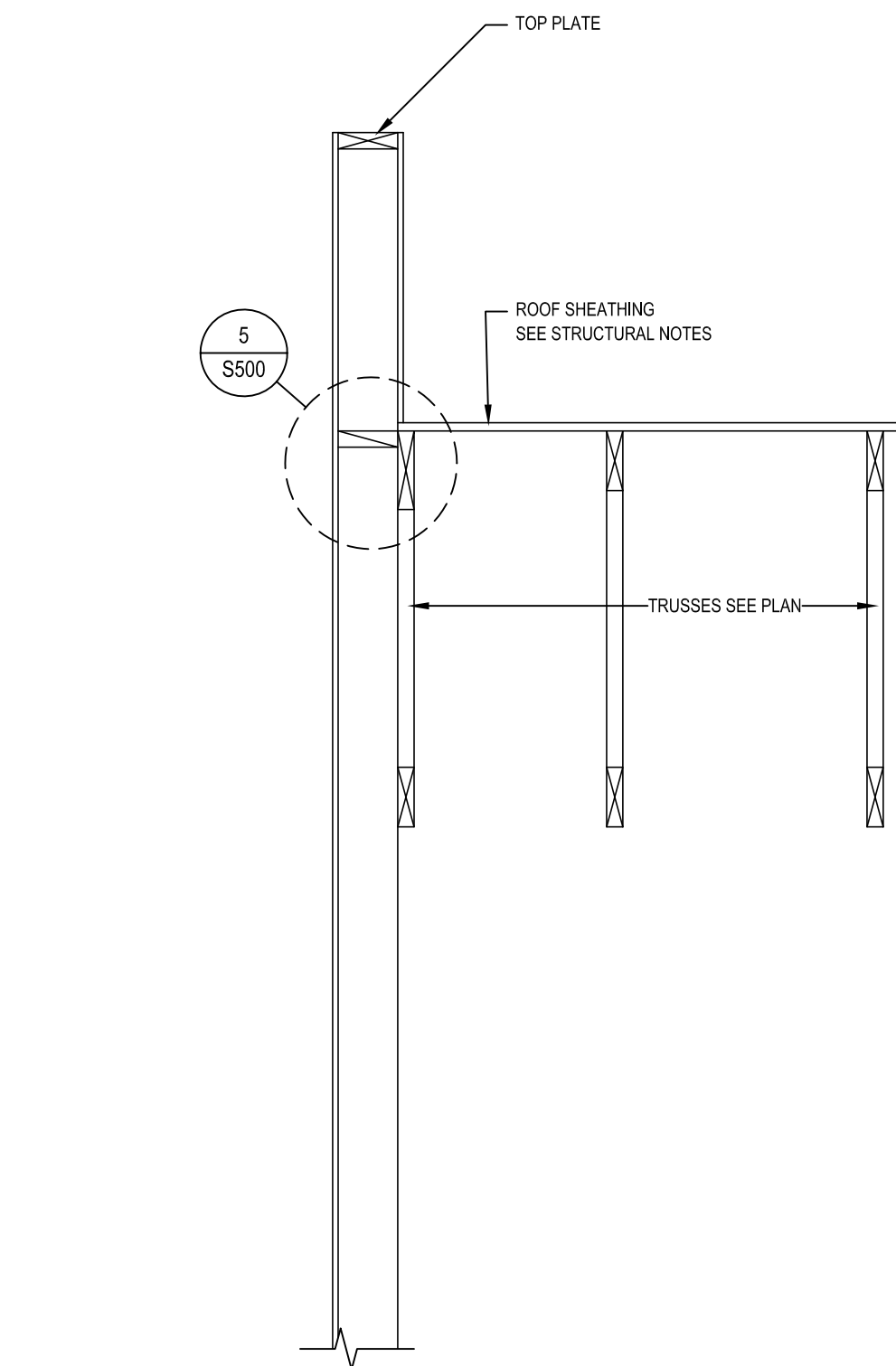
1 FRAMING DETAIL
S500



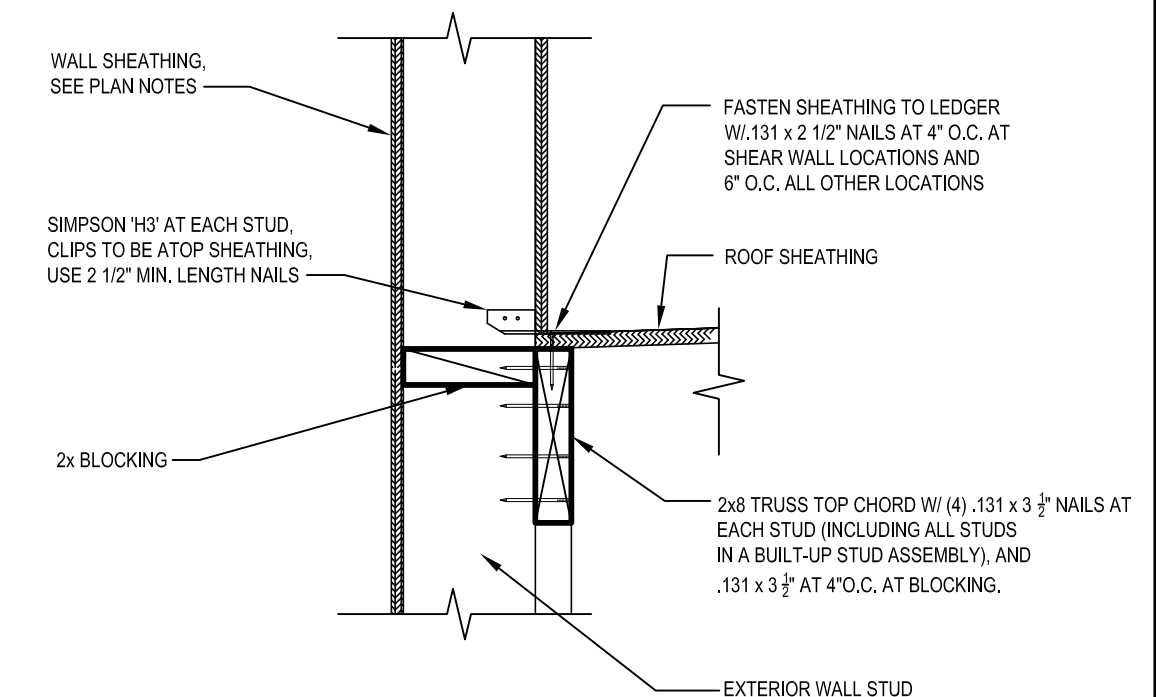
2 FRAMING DETAIL
S500



3 FRAMING DETAIL
S500



4 FRAMING DETAIL
S500



5 FRAMING DETAIL
S500



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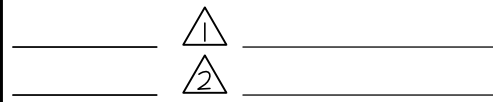
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DETAILS

SHEET NUMBER:
S500

GENERAL STRUCTURAL NOTES:

DESIGN AND LOADING
THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:

1. BUILDING CODE: 2018 KENTUCKY BUILDING CODE

2. FLOOR LIVE LOAD: 100 PSF

3. ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 20 PSF + 5 PSF SPRINKLERS

4. GROUND SNOW LOAD: 15 PSF
FLAT ROOF SNOW LOAD: 15 PSF
SNOW EXPOSURE FACTOR, C_e : 1.0
IMPORTANCE FACTOR, I : 1.0
THERMAL COEFFICIENT, C_t : 1.0

5. BASIC WIND SPEED: 115 MPH (3-SECOND GUST)
IMPORTANCE FACTOR: 1.00
BUILDING OCCUPANCY CATEGORY: II
WIND EXPOSURE: C
PRESSURES PER ASCE7

5. SEISMIC OCCUPANCY CATEGORY: II
IMPORTANCE FACTOR: 1.00
SITE CLASS: D

$S_s = 0.263g$, $S_1 = 0.121g$
 $S_h = 0.263g$, $S_{h1} = 0.181g$

DESIGN CATEGORY: C

RESPONSE MODIFICATION FACTOR, R : 3.0

SFRS: STEEL SYSTEM NOT DETAILED FOR SEISMIC RESISTANCE.
LIGHT-FRAME WOOD WALL SHEATHED WITH STRUCTURAL PANEL
RATED FOR SHEAR RESISTANCE.

C_s : 0.089

Base Shear, V : 0.089W

FOUNDATION NOTES

1. THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:

A. MINIMUM ALLOWABLE SOIL BEARING CAPACITY = 2000 PSF

B. FOUNDATIONS INDICATED MUST BE MODIFIED IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN THE VALUE NOTED IN ITEM 'A'

2. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.

CONCRETE AND REINFORCING

1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.

2. ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR FOUNDATIONS (4000 PSI FOR SLABS).

3. ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED AS RECOMMENDED BY ACI 318.

4. REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 315 AND 316R.

5. THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL", LATEST EDITION.

2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

D. ANCHOR RODS F1554, GRADE 36

E. HIGH STRENGTH STRUCTURAL BOLTS A325-N U.N.O.

F. STRUCTURAL SHAPES (W) A992

G. STRUCTURAL SHAPES (M, S, C, MC, PLATES) A36

H. STRUCTURAL SHAPES (HP) A572

I. STRUCTURAL TUBING (HSS) A500 GRADE B

J. STRUCTURAL ANGLES A36

3. ALL WELDING ELECTRODES SHALL BE E70-XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.I.W.S. D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION" AND SHALL BE MADE BY CERTIFIED WELDERS.

CONSTRUCTION AND CONTROL JOINTS IN CONCRETE

1. CONSTRUCTION JOINTS SHALL BE MADE AS DETAILED ON THE DRAWINGS.

2. MAXIMUM SPACING FOR CONTROL JOINTS IN SLAB ON GRADE SHALL BE 12'-0"

3. A 12'-0" MAXIMUM SPACING OF CONTROL JOINTS MAY NOT INSURE COMPLETE CONTROL OF SHRINKAGE CRACKS. A CLOSER SPACING MAY BE USED BY REQUEST OF OWNER IF MORE COMPLETE SHRINKAGE CRACK CONTROL IS DESIRED. CONTRACTOR TO VERIFY WITH OWNER.

ROOF TRUSSES

1. TRUSSES SHALL BE DESIGNED TO MEET ALL LOADING AND SPANS AS INDICATED ON THE PLANS.

2. TRUSSES SHALL BE DESIGNED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.

3. SUPPLIER SHALL BE RESPONSIBLE FOR ALL BRACING AND/OR BRIDGING REQUIRED FOR THE DESIGN OF THE TRUSS MEMBERS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND/OR BRIDGING REQUIRED DURING CONSTRUCTION.

SAWN LUMBER

1. ALL GRADES OF LUMBER SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE NATIONAL LUMBER GRADES AUTHORITY (NLGA). LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:

A. SPRUCE-PINE-FIR No. 1/ No. 2 OR BETTER, TYP. U.N.O.
B. TREATED SILL PLATE SOUTHERN PINE NO. 3 OR BETTER.

2. BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

3. MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE IF NO OTHER CRITERIA IS GIVEN.

4. CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON/USP. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

ROOF & WALL SHEATHING

1. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECIFICATIONS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.

2. WALL SHEATHING SHALL BE 15/32" (1/2" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 24/16. ALL WALL SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ .131 x 2 1/2" NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

3. ROOF SHEATHING SHALL BE 19/32" (5/8" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 40/20. ALL ROOF SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ .131 x 2 1/2" NAILS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY CONTRACTOR PRIOR TO SUBMITTING TO THE ENGINEER AND ARCHITECT

2. FABRICATORS ARE TO CREATE THEIR OWN DRAWINGS.

SHOP DRAWING SUBMITTALS SHALL INCLUDE THE FOLLOWING:

A. CONCRETE MIX DESIGN
B. FOUNDATION REINFORCING BARS
C. STRUCTURAL STEEL
D. WOOD TRUSSES AND CALCULATIONS
E. TRELLIS SYSTEM & CALCULATIONS

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1704 OF IBC AND THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1705. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED IBC SECTIONS/LOCATIONS:

A. SOILS - SECTION 1705.6 PER TABLE 1705.6
B. CONCRETE - SECTION 1705.3 PER TABLE 1705.3
C. STEEL - SECTION 1705.2
D. WOOD - SECTION 1705.5

MISCELLANEOUS

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS WHICH MUST BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER/ARCHITECT IMMEDIATELY.

2. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES, AND FOR SAFE CONDITIONS ON THE JOB SITE.

3. DO NOT SCALE THE DRAWINGS.

4. DO NOT PROCEED WITH ANY DEGREE OF UNCERTAINTY

(OPTIONAL) CMU MASONRY

1. MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", TMS 402/ACI 530/ASCE 5 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602/ACI 530.1/ASCE 6)

2. MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS:

H. HOLLOW LOAD BEARING CONCRETE BLOCK: ASTM C-90, GRADE N1 MINIMUM COMPRESSIVE STRENGTH = 1900 PSI AT 28 DAYS.

I. MORTAR: ASTM C-270, TYPE S MINIMUM COMPRESSIVE STRENGTH = 1800 PSI AT 28 DAYS.

J. MORTAR: ASTM C-270, TYPE M MINIMUM COMPRESSIVE STRENGTH = 2500 PSI AT 28 DAYS (USED FOR BELOW GRADE WORK)

K. GROUT: ASTM C-476, MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS

L. MASONRY REINFORCEMENT: ASTM A-82, GALVANIZED

M. MASONRY PRISM STRENGTH: FM = 1500 PSI

3. PRIOR TO DELIVERY OF MASONRY UNITS TO THE JOB SITE, FURNISH TO THE OWNER SUBMITTALS CERTIFYING THAT ALL UNITS CONFORM TO THEIR RESPECTIVE ASTM REQUIREMENTS.

4. CALCIUM CHLORIDE AND/ OR ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT ALLOWED TO BE INCLUDED IN MORTAR OR GROUT MIX.

5. NO EXTERIOR MASONRY SHALL BE LAID WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 40 DEGREES FAHRENHEIT, UNLESS THE RECOMMENDATIONS SPECIFIED BY THE INTERNATIONAL MASONRY INDUSTRY ALL WEATHER COUNCIL IN THEIR PUBLICATION "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY" ARE STRICTLY FOLLOWED.

THE MASONRY CONTRACTOR SHALL PROVIDE LATERAL BRACING AND SHORING AS REQUIRED

(OPTIONAL) CMU MASONRY SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1704 OF IBC AND THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1705. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED IBC SECTIONS/LOCATIONS:

A. SOILS - SECTION 1705.6 PER TABLE 1705.6
B. CONCRETE - SECTION 1705.3 PER TABLE 1705.3
C. STEEL - SECTION 1705.2
D. MASONRY - SECTION 1705.4

NEW BUILDING FOR:



GRILL & CHILL
BY PASS ROAD
BRANDENBURG, KY 40108

AMERICAN DAIRY QUEEN

MINNEAPOLIS, MN U.S.A.

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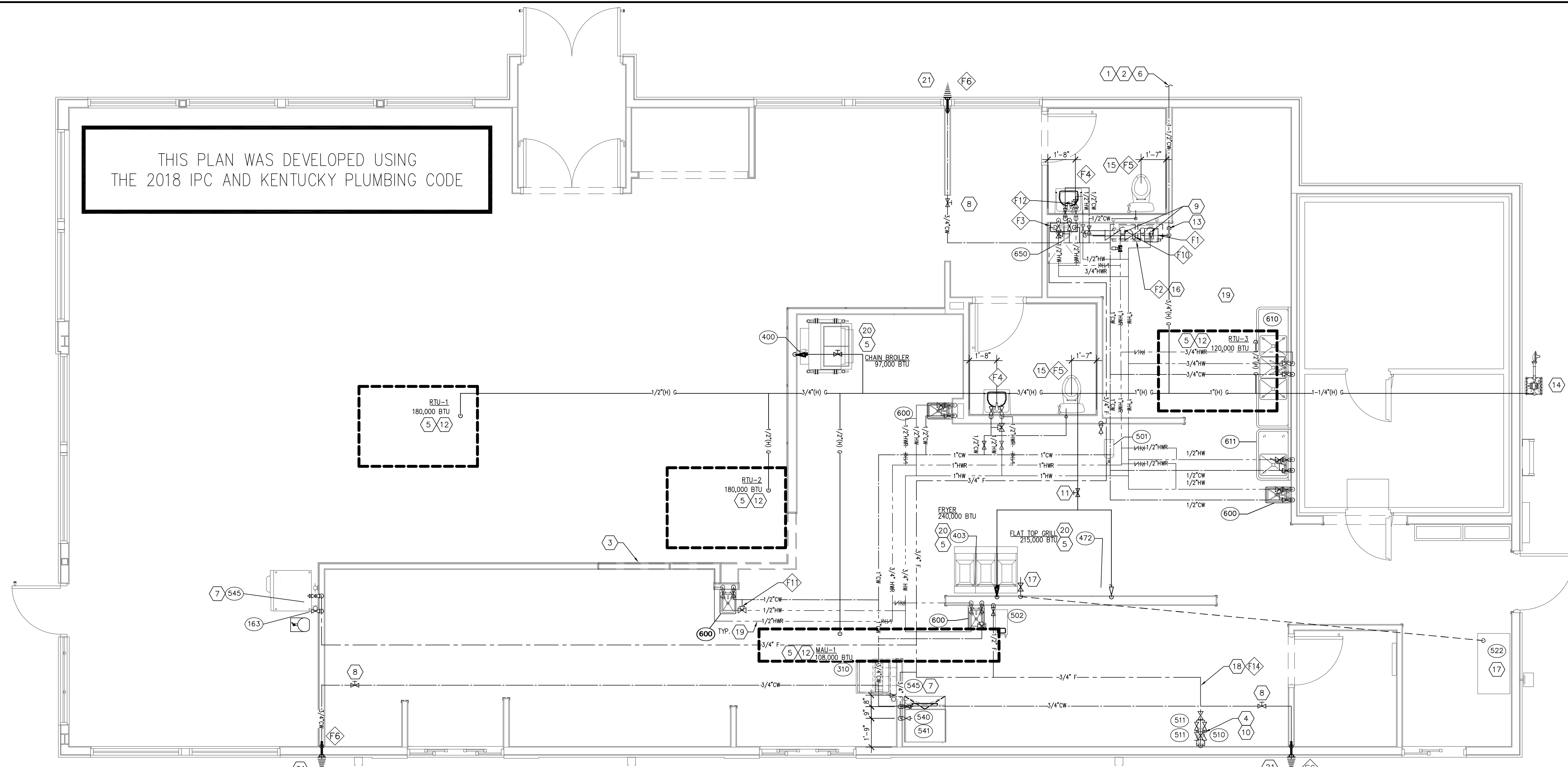
GENERAL
STRUCTURAL
NOTES

SHEET NUMBER:

S600

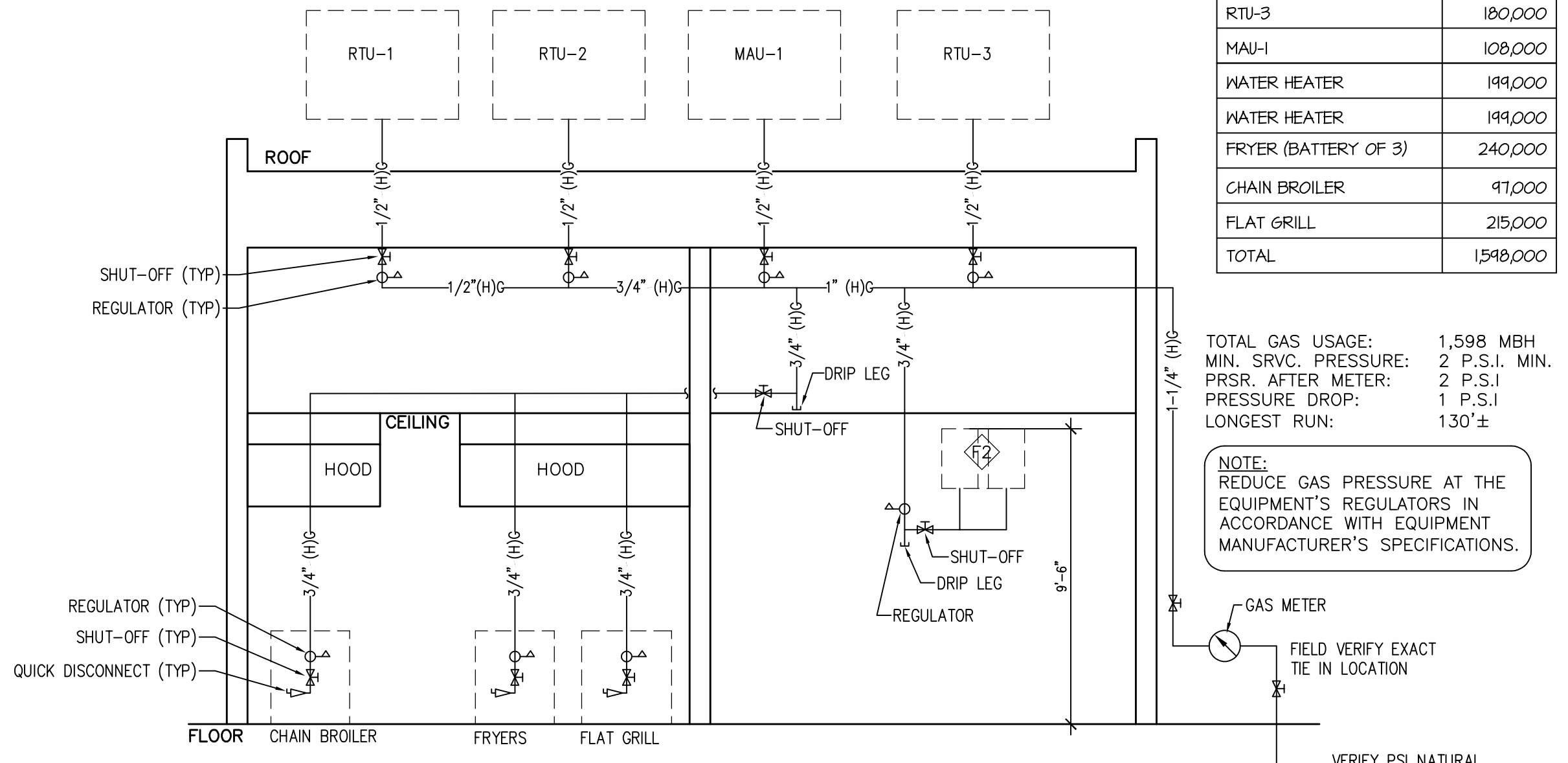
THIS PLAN WAS DEVELOPED USING THE 2018 IPC AND KENTUCKY PLUMBING CODE

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
	FLOOR DRAIN
	FLOOR DRAIN W/ FUNNEL
	FLOOR SINK
	DOUBLE CLEAN OUT
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	VENT THRU ROOF
	BACKFLOW PREVENTER
	SHUT OFF VALVE
	WASTE, BELOW FLOOR
	SYRUP LINES/CHASE, OVERHEAD
	VENT
	FILTERED WATER
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	GAS LINE



1 WATER, GAS, & PLUMBING PLAN
SCALE: 1/4" = 1'-0"

GAS LOAD - BTU	
RTU-1	180,000
RTU-2	180,000
RTU-3	180,000
MAU-1	108,000
WATER HEATER	199,000
WATER HEATER	199,000
FRYER (BATTERY OF 3)	240,000
CHAIN BROILER	41,000
FLAT GRILL	215,000
TOTAL	1,598,000



TOTAL GAS USAGE: 1,598 MBH
MIN. SRVC. PRESSURE: 2 P.S.I. MIN.
PRSR. AFTER METER: 2 P.S.I.
PRESSURE DROP: 1 P.S.I.
LONGEST RUN: 130'±

NOTE: REDUCE GAS PRESSURE AT THE EQUIPMENT'S REGULATORS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS.

FIELD VERIFY EXACT TIE IN LOCATION
VERIFY PSI NATURAL GAS FROM UTILITY CO.

2 GAS PIPING SCHEMATIC
P.I.I.

LEGEND	
NO.	DESCRIPTION
F1	WATER METER
F2	WATER HEATER
F3	SERVICE SINK FAUCET
F4	LAVATORY
F5	WATER CLOSET
F6	HOSE BIB
F7	FLOOR SINK
F8	FLOOR DRAIN
F9	FLOOR DRAIN
F10	BACKFLOW PREVENTER
F11	MIXING VALVE
F12	MIXING VALVE
F13	GREASE INTERCEPTOR
F14	DESCALER

GENERAL NOTES

- REFER TO EQUIPMENT SCHEDULE FOR PLUMBING SPECIFICATIONS FOR EQUIPMENT PROVIDED BY OWNER AND/OR OTHERS.
- PROVIDE SHUT OFF VALVES AT ALL FIXTURES.
- CHEMICAL SANITIZER WITH HOT WATER (120°F), IS ASSUMED FOR DISHWASHING IN STORE. LOCAL CODES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION TO CONFIRM SPECIFIC REQUIREMENTS.
- PLUMBING CONTRACTOR TO VERIFY IN FIELD ALL EXISTING UTILITIES, DIMENSIONS AND CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
- DIMENSIONS GIVEN TO ROUGH-INS ARE CRITICAL FOR EQUIPMENT PLACEMENT.
- ALL DOMESTIC WATER PIPING INSULATED WITH 1" POLYETHYLENE THERMA-CELL INSULATION WITH ALL JOINTS AND SEAMS SEALED, OR EQUAL.
- REFRIGERATION SITE GLASS IS INCLUDED WITH ALL REFRIGERATION EQUIPMENT FURNISHED BY OWNER AND/OR OTHERS.
- GAS PIPING CONTRACTOR MAY USE FLEXIBLE AND CONTINUOUS PIPING AS LISTED AND APPROVED AgA-TracPipe® BY "megaFLEX" IF ALLOWED BY PREVAILING CODES.
- WATER PIPING CONTRACTOR MAY USE FLEXIBLE AND CONTINUOUS PIPING (ADJUST PIPE SIZES AS REQUIRED). ZURN "PEX" PEX-3-D3-NSF-PW-CL-TD-ASTM, IF ALLOWED BY PREVAILING CODES.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL CONDENSATE DRAINS.
- PLUMBING CONTRACTOR TO PROVIDE INDIRECT WASTE AND CONDENSATE PIPING FOR ALL KITCHEN EQUIPMENT.
- IF WATER SOFTENER REQUIRED BY OWNER SHALL SERVE ALL FIXTURES OTHER THAN ICE MACHINES, DRINK SYSTEMS, ICED TEA BREWERS, COFFEE MAKERS, HOSE BIBS, CARBONATORS AND ALL.
- (H) HIGH PRESSURE GAS PIPE SIZES BASED ON 2 PSI DELIVERY PRESSURE WITH A 1PSI DROP IN PRESSURE THROUGH A TOTAL EQUIVALENT LENGTH OF 115 FT.

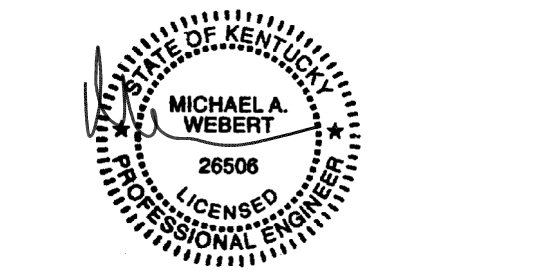
KEY NOTES

- CONNECT 1-1/2" CN TO SITE CONNECTION. COORDINATE LOCATION WITH CIVIL. VERIFY WATER PRESSURE ON SITE. PROVIDE PRESSURE REDUCING VALVE AS NECESSARY.
- WATER METER REMOTE READOUT LOCATED ON THE EXTERIOR WALL.
- HALF HIGH WALL. NO FULL HEIGHT VERTICAL PLUMBING LINES.
- SURFACE MOUNTED PLUMBING LINES (AFTER WALL FINISH IS APPLIED)
- IF LOCAL GAS PRESSURE REQUIRES A REGULATOR ON THE GAS OPERATED EQUIPMENT, THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL THE GAS REGULATORS AS REQUIRED.
- MAINTAIN CLEARANCE REQUIRED BY CODE BETWEEN THE SANITARY SEWER AND THE WATER LINE.
- PROVIDE 1/2" OD PUSH/PULL FITTING FROM WATER FILTER TO ICE MAKER.
- PROVIDE SHUT-OFF WITH DRAIN MOUNTED AT WATER METER. PIPE TO BE SLOPED AFTER SHUT-OFF VALVE TOWARDS HOSE BIB TO ALLOW FOR DRAINING OF THE PIPE.
- WATER HEATER FLUE AND COMBUSTION AIR VENT THROUGH ROOF SEE DETAIL 8/P4.
- PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A SHUT-OFF VALVE AND A STAINLESS STEEL BACKFLOW PREVENTOR AT CARBONATOR.
- PROVIDE ONE MANUALLY OPERATED SHUT-OFF VALVE ON BRANCH GAS PIPING TO APPLIANCES LOCATED ACCESSIBLE ABOVE CEILING TILE.
- GALVANIZED OR COPPER GAS PIPING UP THROUGH CURB TO ROOFTOP HVAC EQUIPMENT.
- 3/4" GAS PIPING TO WATER HEATER, SEE DETAIL 8/P4.
- GAS METER (DO NOT MOUNT ON BUILDING EPIS) WITH SHUT-OFF VALVES AND PRESSURE REGULATOR PROVIDED BY THE GAS COMPANY. GAS METER SIZED FOR 1045 MBH @ 2 PSI DELIVERY PRESSURE ON BUILDING SIDE OF METER.
- LOCATE FLUSH LEVER ON THIS SIDE OF TOILET PER ADA REQUIREMENTS.
- 5/8" NPT PLASTIC CONDENSATE LINE TO SERVICE SINK SURFACE MOUNT TIGHT TO WALL. SLOPE TO DRAIN.
- PLUMBING CONTRACTOR TO PROVIDE QUICK DISCONNECT AND 3/4" BLACK IRON PIPE FROM FRYER TO USED COOKING OIL RECYCLING TANK. PROVIDE CONSTANT MIN. 1/4" PER FT. SLOPE TO RECYCLING TANK. PROVIDE BACK TO BACK 45° ELBOWS FOR ANY CHANGE IN DIRECTION.
- PLUMBING CONTRACTOR TO CONNECT FILTERED WATER TO DESCALER. ROUTE PIPING FROM DESCALER TO BAG-N-BOX. INSTALL PER MANUFACTURER'S GUIDELINES AND COORDINATE LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE AND INSTALL ALL BALANCING VALVES AND CHECK CALCES ON HWR LINE FROM LAVATORIES AND HAND SINKS AS REQUIRED PER CODE.
- QUICK DISCONNECTS AND RETENSION CABLES PROVIDED WITH FRYERS & CHAIN BROILER
- SLOPE PIPE TOWARDS HOSE BIB TO ALLOW FOR DRAINING OF PIPE.



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PLUMBING WATER SUPPLY PLAN

SHEET NUMBER:
P1.0

FIXTURE SPECIFICATIONS

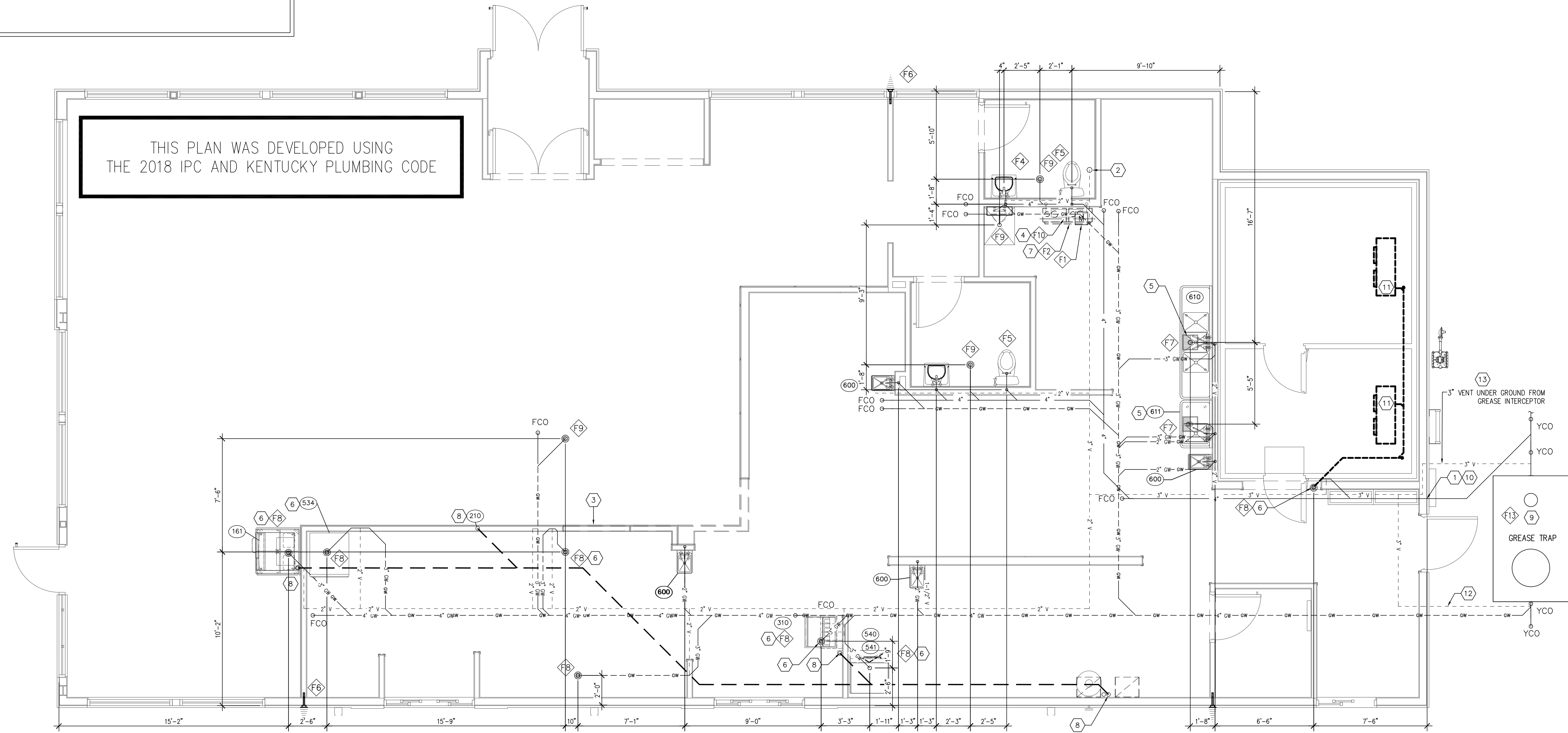
- F1 WATER METER: BY GENERAL CONTRACTOR LOCALLY, REMOTE DIGITAL READER COORDINATE LOCATION W/OWNER. SEE DETAIL 6/P4.0.
 - F2 WATER HEATER: SEE SCHEDULE ON P4.0. 1" CW AND 1" 120 HWL PIPING
 - F3 SERVICE SINK FAUCET: T45 BRA56 B-0665-B5T
 - F4 WALL MOUNTED LAVATORY WITH CARRIER: SLOAN 55-3003 WHITE 3-HOLE, CODE 3813003 -SENSOR ACTIVATED FAUCET: TOTO TELI05-DI0E#CP, CODE 01010. COVER PLATE: TOTO TINTI1005, CODE 234306. WITH OPEN GRID STRAINER. -STOPS: CHROME PLATED ANGLE STOPS. -DRAIN: CHROME PLATED 1" GAUGE METAL P-TRAP MAINTAIN 2" FROM FLOOR TO TOP OF LAV., PROVIDE A.D.A. WRAPS ON DRAIN AND WATER SUPPLY LINES.
 - F5 WATER CLOSET: KOHLER #K-4645-O AND #K-4645-RA-O HIGHLINE 16 GPF SINGLE FLUSH TOILET TANK WITH PRESSURE ASSIST (AVAILABLE IN RIGHT OR LEFT). KOHLER #K-4304-O HIGHLINE PRESSURE LITE ELONGATED TOILET BASE.
 - F6 HOSE BIBB: ZURN ECOLOTROL #Z1320-EZ, ENCASED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING. HOSE BIBB INSTALLED AT +18" ABOVE FINISH GRADE.
 - F7 FLOOR SINK: ZURN #FD-2310-PV3 WITH 12" PVC TOP
 - F8 FLOOR DRAIN W/FUNNEL: ZURN #Z1415-2NL-13 WITH ROUND FUNNEL
 - F9 FLOOR DRAIN : ZURN #Z1415-2NH-5B
 - F10 REDUCED PRESSURE ZONE BACKFLOW PREVENTER: ZURN #34-3T5XL, 3/4" FEMALE THREADED BODY NPT CONNECTIONS AND BRONZE STRAINER, LEAD FREE.
 - F11 THERMOSTATIC MIXING VALVE FOR RESTROOM FIXTURES: ZURN #12-ZN101TLC
 - F12 THERMOSTATIC MIXING VALVE FOR RESTROOM FIXTURES: ZURN #34-ZN101TLC
 - F13 GREASE INTERCEPTOR: SCHIER GB-250 GREASE INTERCEPTOR, VERIFY SIZE WITH LOCAL CODES.
 - F14 IN-LINE DESCALER: NATURAL SOF MODEL #NSI-05, 1-6 GPM
- FCO FLOOR CLEANOUT: ZURN #Z1400-4NH
- WCO WALL CLEANOUT: ZURN #Z1441

FIXTURE DRAIN & CONNECTION SCHEDULE							PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR	
NO.	DESCRIPTION	WASTE	VENT	WATER COLD	WATER HOT	GAS	FILTER WATER	REMARKS
F1	WATER METER			1 1/2"				SEE DETAIL SHEET P4
F2	WATER HEATERS	3/4" P.R.V.		1"	1"	3/4"		SEE DETAIL SHEET P4
F3	SERVICE SINK FAUCET	3"	2"	3/4"	3/4"			
F4	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"			
F5	WATER CLOSET	3"	2"	1/2"				
F6	HOSE BIBB				3/4"			
F7	FLOOR SINK	3"	2"					
F8	FLOOR DRAIN	3"	2"					WITH FUNNEL
F9	FLOOR DRAIN	3"	2"					
F10	BACKFLOW PREVENTER							
F11	URINAL	2"	1 1/2"	3/4"				OUTPUT AT 110" FOR RESTROOM FIXTURES
F12	MIXING VALVE			3/4"	3/4"			
F13	GREASE INTERCEPTOR	4"	4"					

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
⊙	FLOOR DRAIN
⊙	FLOOR DRAIN W/FUNNEL
⊙	FLOOR SINK
D.C.O.	DOUBLE CLEAN OUT
F.C.O.	FLOOR CLEAN OUT
W.C.O.	WALL CLEAN OUT
V.T.R.	VENT THRU ROOF
B.F.P.	BACKFLOW PREVENTER
S.O.V.	SHUT-OFF VALVE
---	WASTE - BELOW FLOOR
---	SYRUP CHASE - BELOW FLOOR
---	VENT
---	FILTERED WATER
---	DCW--DOMESTIC COLD WATER
---	DHW--DOMESTIC HOT WATER (120F OR 110F)

- GENERAL NOTES**
- ALL FLOOR DRAINS TO BE LEVEL WITH FLOOR, EXCEPT IN THE RESTROOMS.
 - REFER TO PLUMBING NOTES ON SHEET P1
 - HORIZONTAL DRAINAGE PIPING MUST BE INSTALLED WITH A UNIFORM SLOPE OF 1/4 PER FOOT. WHERE MUNICIPAL SEWER DEPTH, STRUCTURAL FEATURES, OR BUILDING ARRANGEMENT PRECLUDE THIS SLOPE, A MINIMUM SLOPE OF 1/8 INCH PER FOOT MAY BE UTILIZED FOR PIPING 4 INCHES AND LARGER IF APPROVED BY THE A.H.J.
 - PVC SANITARY SEWERS MUST MEET ASTM DL 185, D2665, D3034, F184, F184, F184, F184, F184, OR F1488 WITH APPROVED FITTINGS (SEE TABLE T01) AND INSTALLATION STANDARD I). ONLY ASTM DL 185, D2665, F891, OR FL488 PVC MAY CROSS ABOVE OR LESS THAN 12 INCHES BELOW POTABLE WATER LINES (SEE SECTION T20.I). SOLVENT WELDED JOINTS MUST USE ASTM F656 PURPLE PRIMER AND ASTM D2564 CEMENT. THE SEWER MUST BE INSTALLED BY OPEN-TRENCH ON A CONTINUOUS GRANULAR BED PER ASTM D2321.
 - THE PIPE MATERIAL TO BE USED FOR THE DRAIN WASTE AND VENT SYSTEM MUST COMPLY WITH MINNESOTA RULES, CHAPTER 4714, SECTION 101.0.
- KEY NOTES**
- CONNECT 4" WASTE LINE TO MAIN. COORDINATE LOCATION WITH CIVIL.
 - EXTEND VENT THRU ROOF. MAINTAIN 10'-0" FROM ALL O.A. INTAKES.
 - WALLS NOT TO CEILING. NO FULL HEIGHT VERTICAL PIPING ALLOWED.
 - ROUTE DRAIN FROM BACKFLOW PREVENTER TO SERVICE SINK.
 - INDIRECT DRAIN LINE TO FLOOR SINK.
 - INDIRECT DRAIN LINE TO FLOOR DRAIN.
 - WATER HEATER PTR VALVE DRAIN LINE TO SERVICE SINK.
 - DRINK LINES (SYRUP FILTERED WATER & CO2 BUNDLE) OVERHEAD FROM LOCATIONS SHOWN. LINES REQUIRE SWEEPING AND MINIMAL BENDS. WHEN PENETRATING METAL FRAMING, GROMMETS MUST BE USED TO PROTECT LINES FROM DAMAGE. LOCATIONS SHOWN ARE ILLUSTRATIVE. CHASES SHOULD BE CONFIGURED AS DIRECT AND WITH AS FEW BENDS AS POSSIBLE. INSULATION MAY BE REQUIRED, VERIFY WITH VENDOR. DRINKS LINES SURFACE MOUNTED TO FACE OF WALL, 5.5" COVER PROVIDED BY VENDOR.
 - 1500 GALLON GREASE INTERCEPTOR, SEE DETAIL 9/P4.0. SEE CALCULATION ON SHEET P3.0. VERIFY REQUIREMENTS WITH LOCAL CODE.
 - MAINTAIN CLEARANCE REQUIRED BY CODE BETWEEN SANITARY SEWER AND WATER LINE UNDERGROUND.
 - CONDENSATE DRAIN LINE (1/2" COPPER), MOUNT TIGHT TO WALL AND SLOPE TO DRAIN. DRAIN LINE MUST BE WRAPPED WITH A HEAT TAPE AND INSULATED WITHIN THE WALK-IN FREEZER.
 - VENT PIPING BELOW GRADE

THIS PLAN WAS DEVELOPED USING THE 2018 IPC AND KENTUCKY PLUMBING CODE

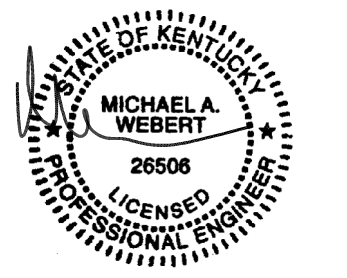


1 WASTE & VENTING PLAN
 P2.0 SCALE: 1/4" = 1'-0"



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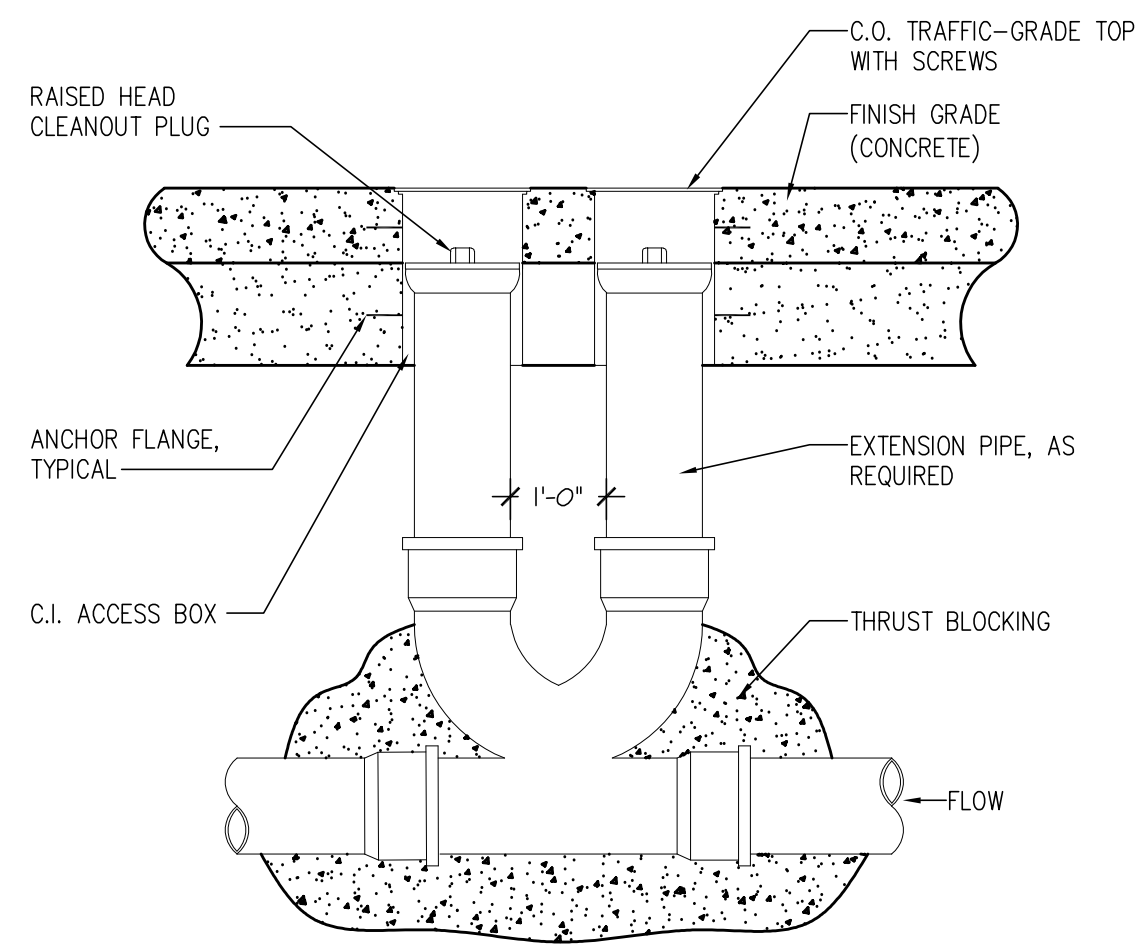
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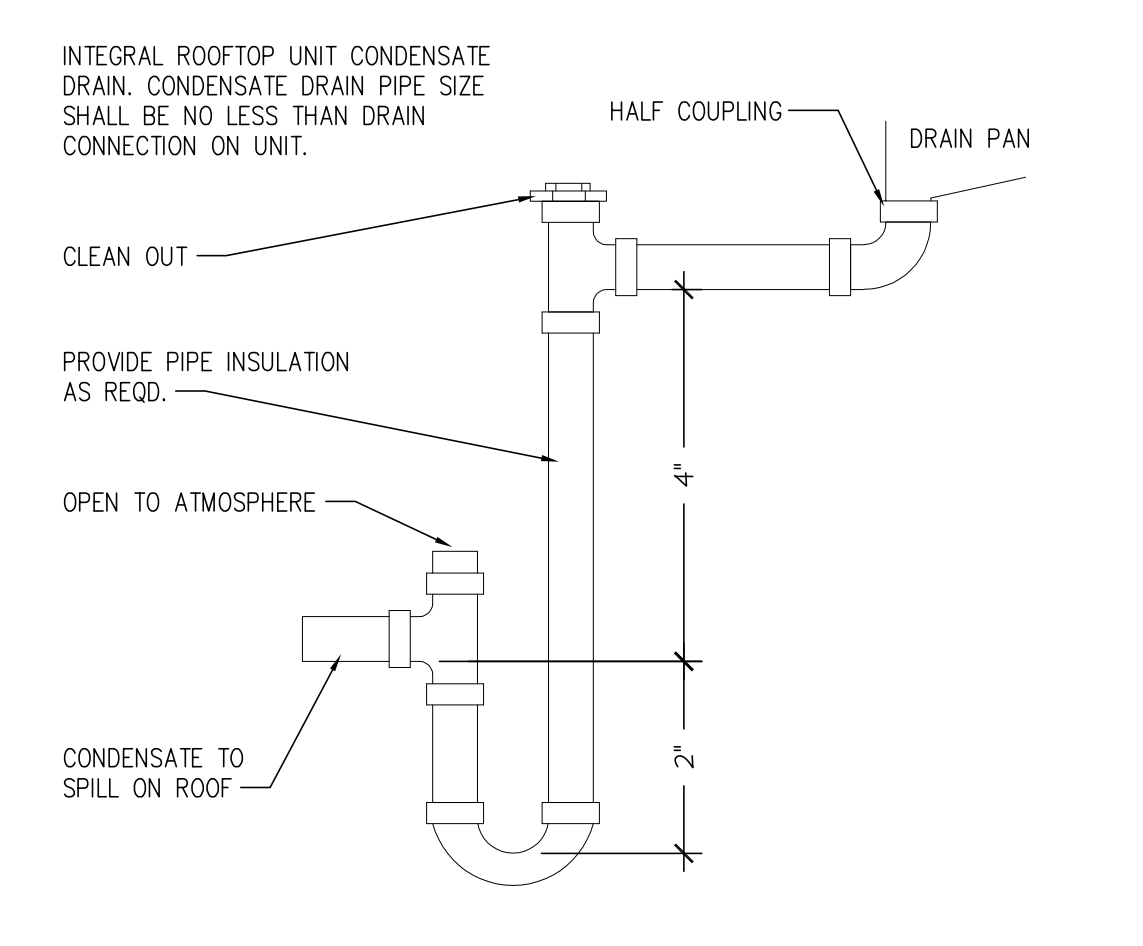
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PLUMBING WASTE & VENTING PLAN

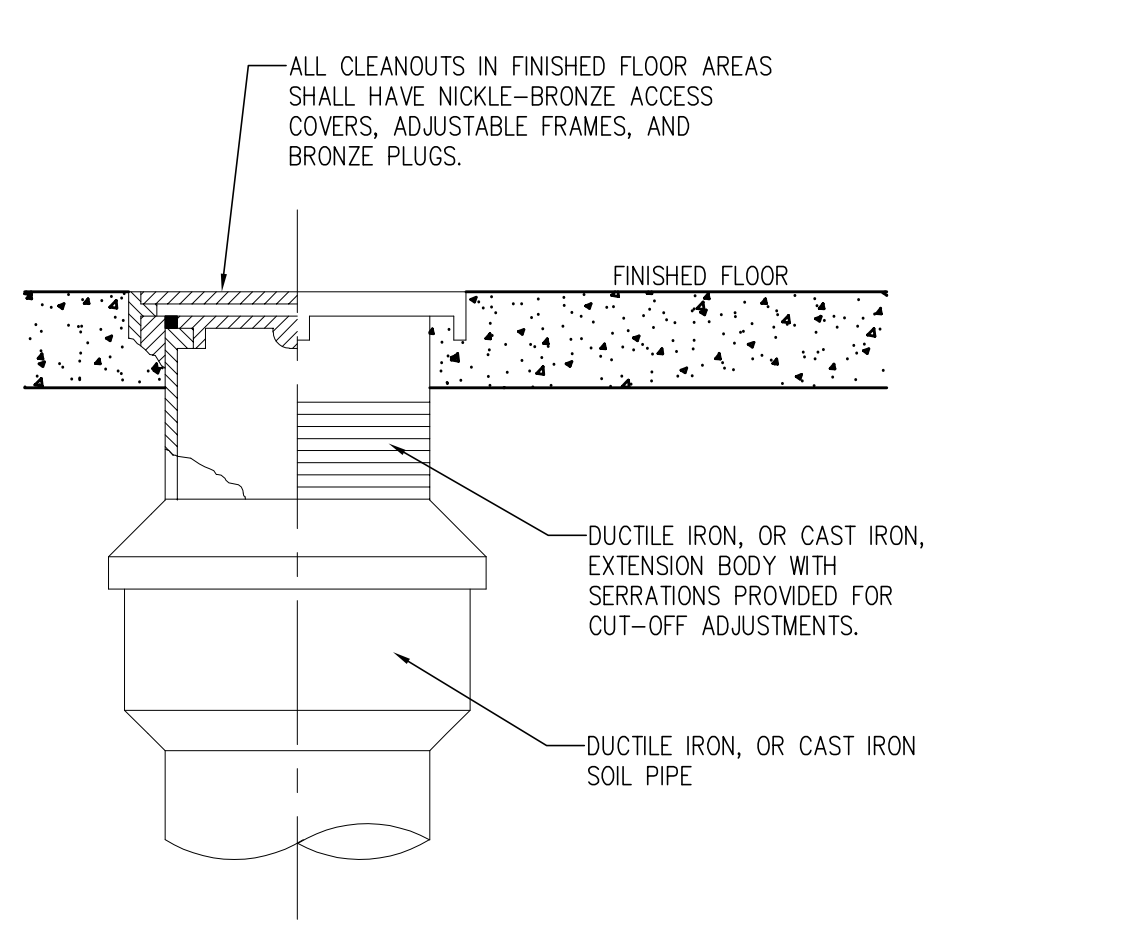
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P2.0



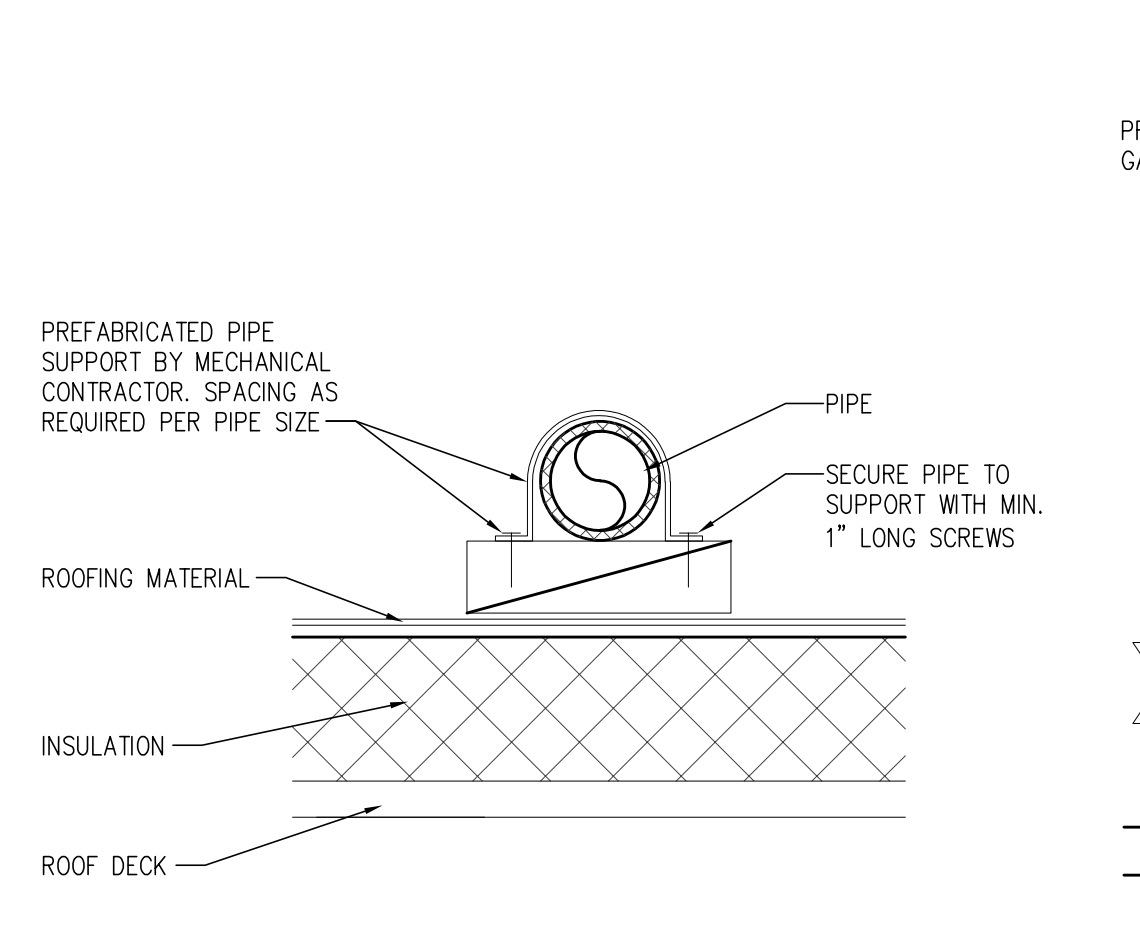
1 DOUBLE CLEANOUT DETAIL
P4.0



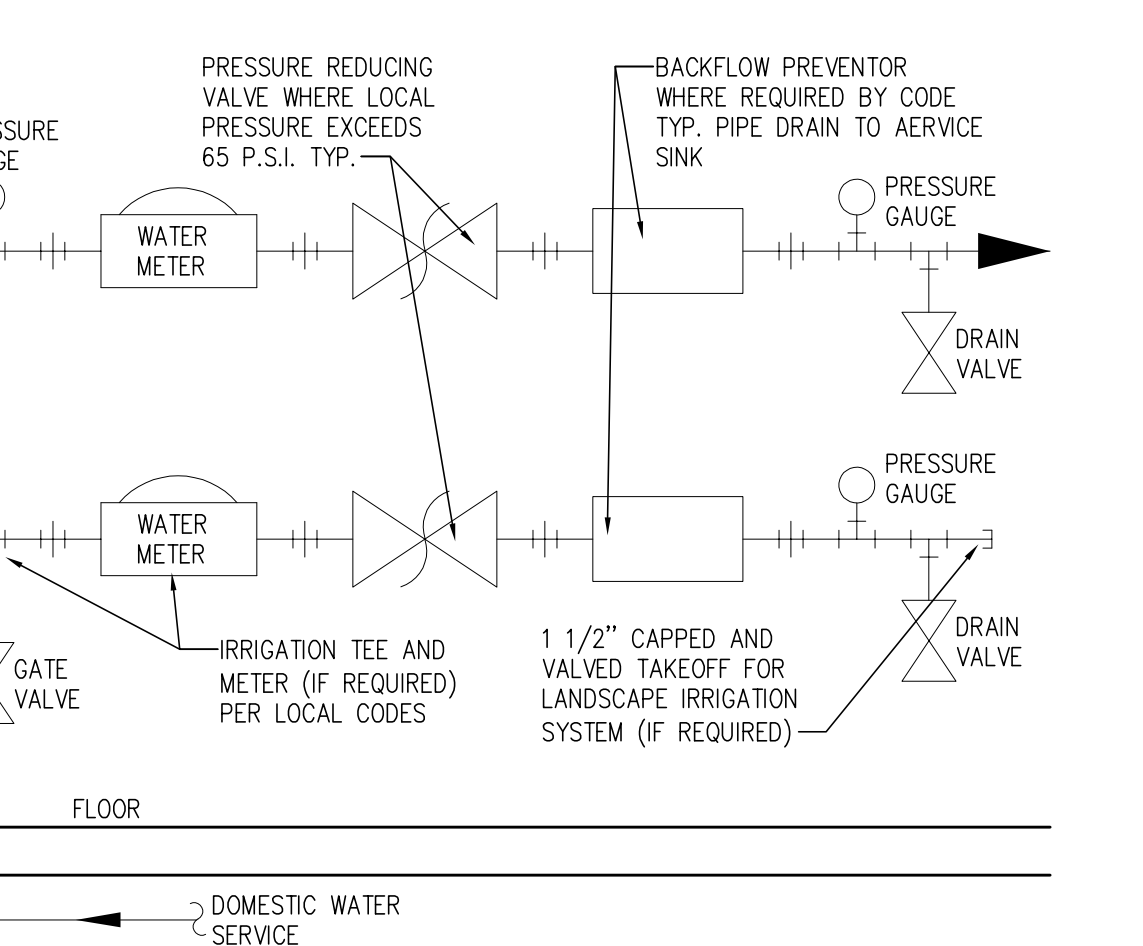
2 CONDENSATE DRAIN DETAIL
P4.0



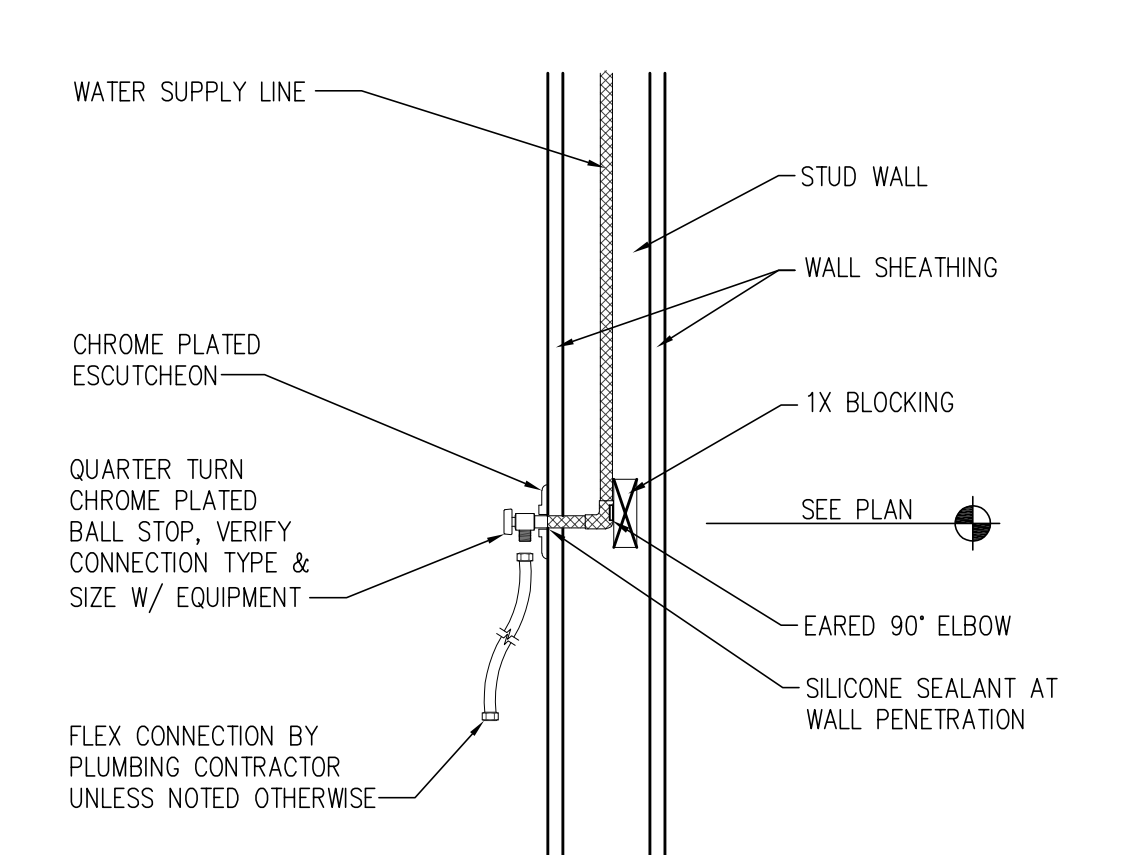
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P4.0



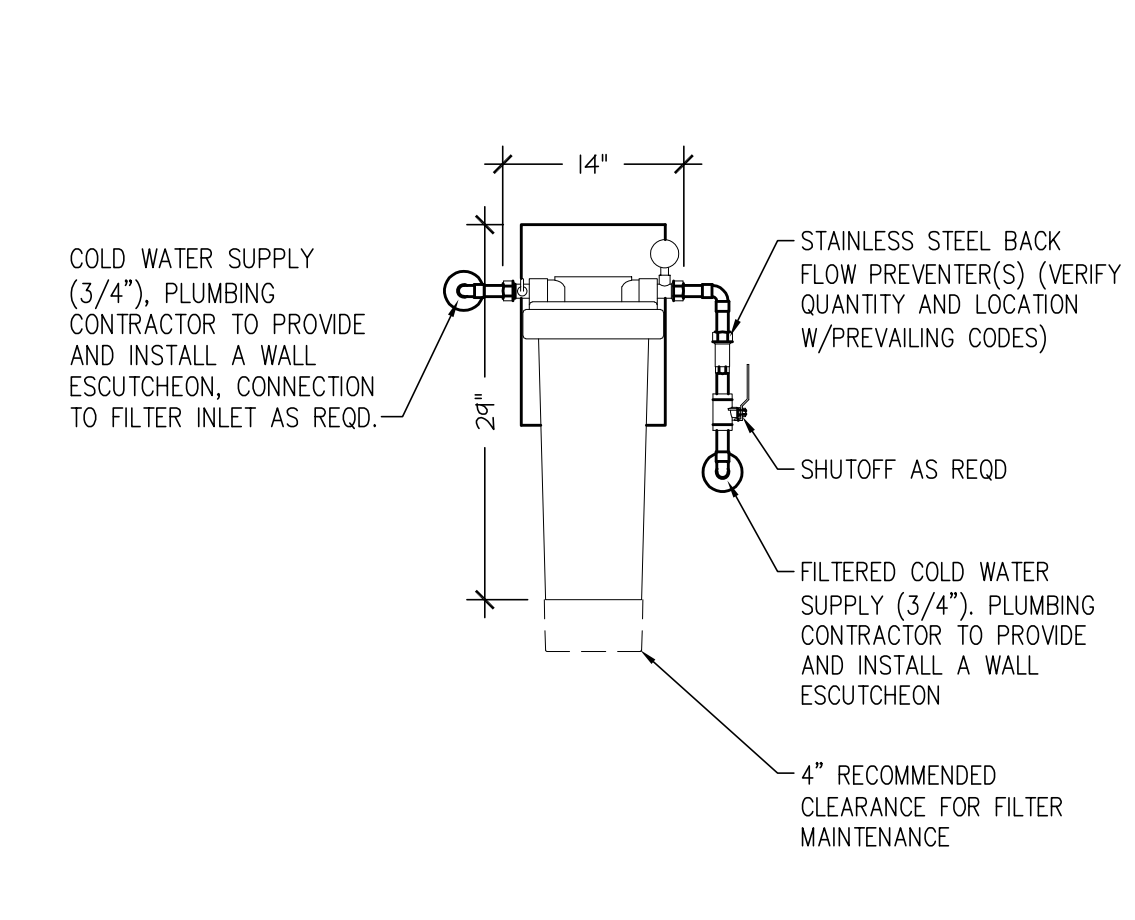
4 ROOF PIPE SUPPORT DETAIL
P4.0



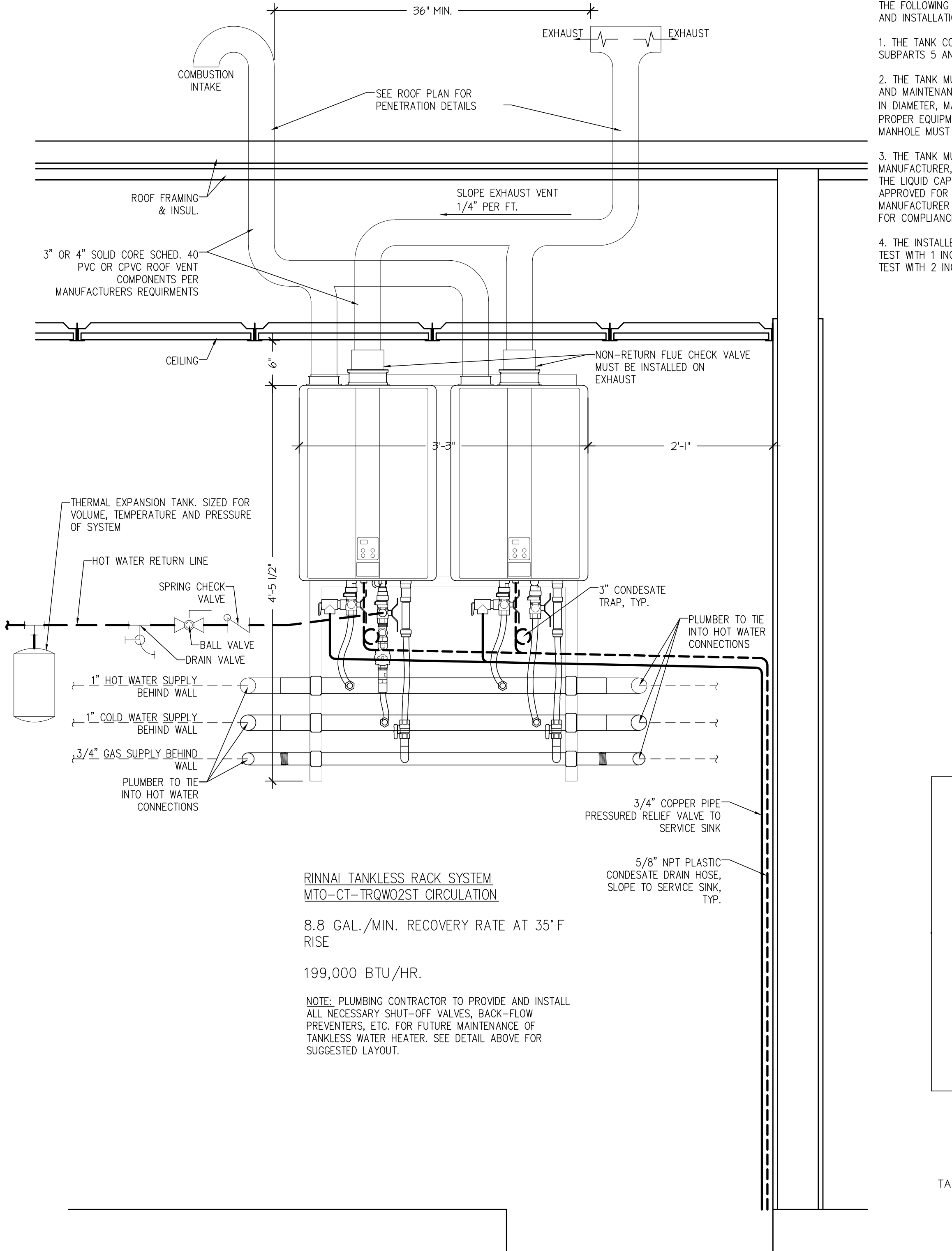
5 WATER METER DETAIL
P4.0



6 TYP. WATER SUPPLY CONN.
P4.0

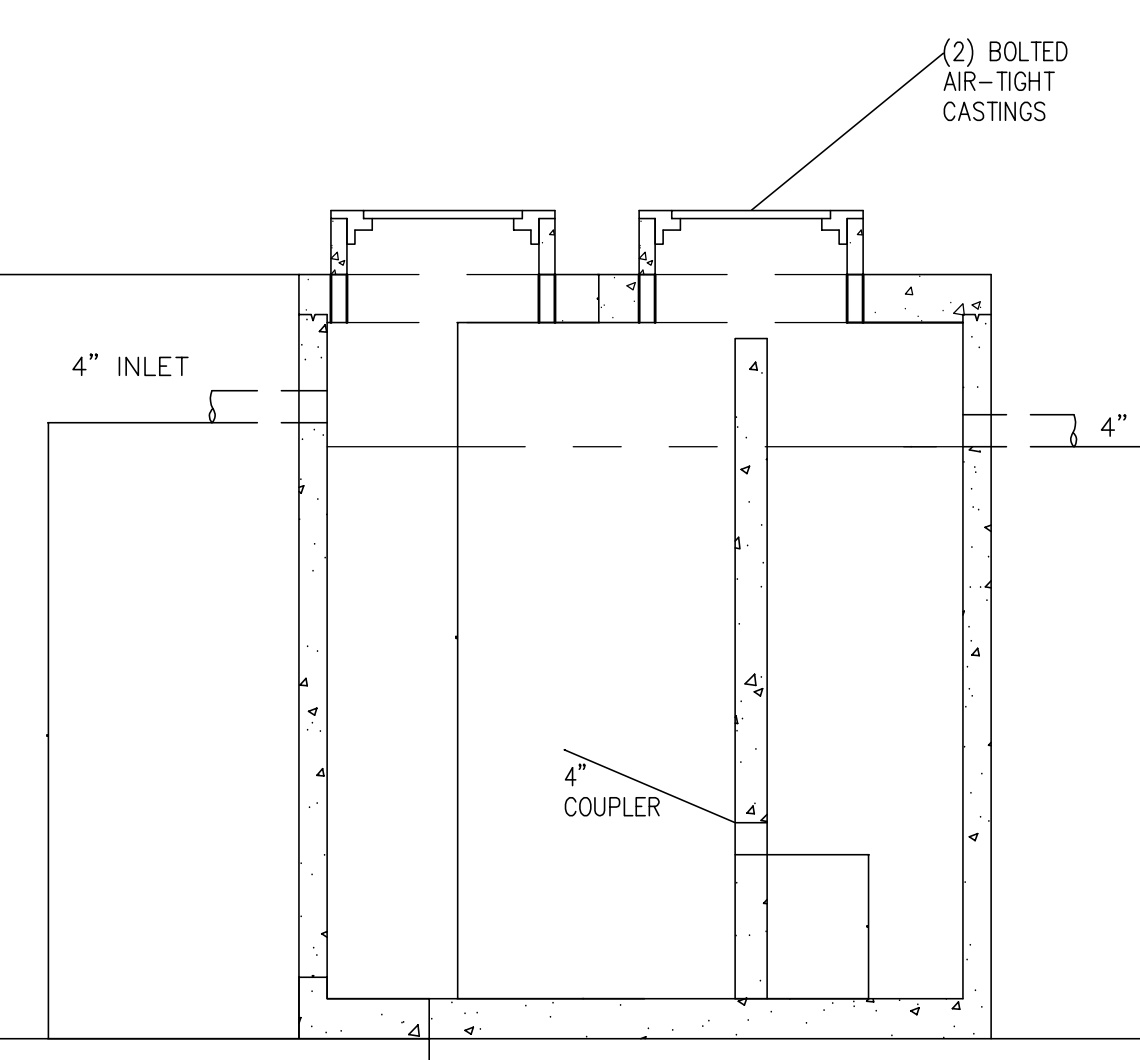
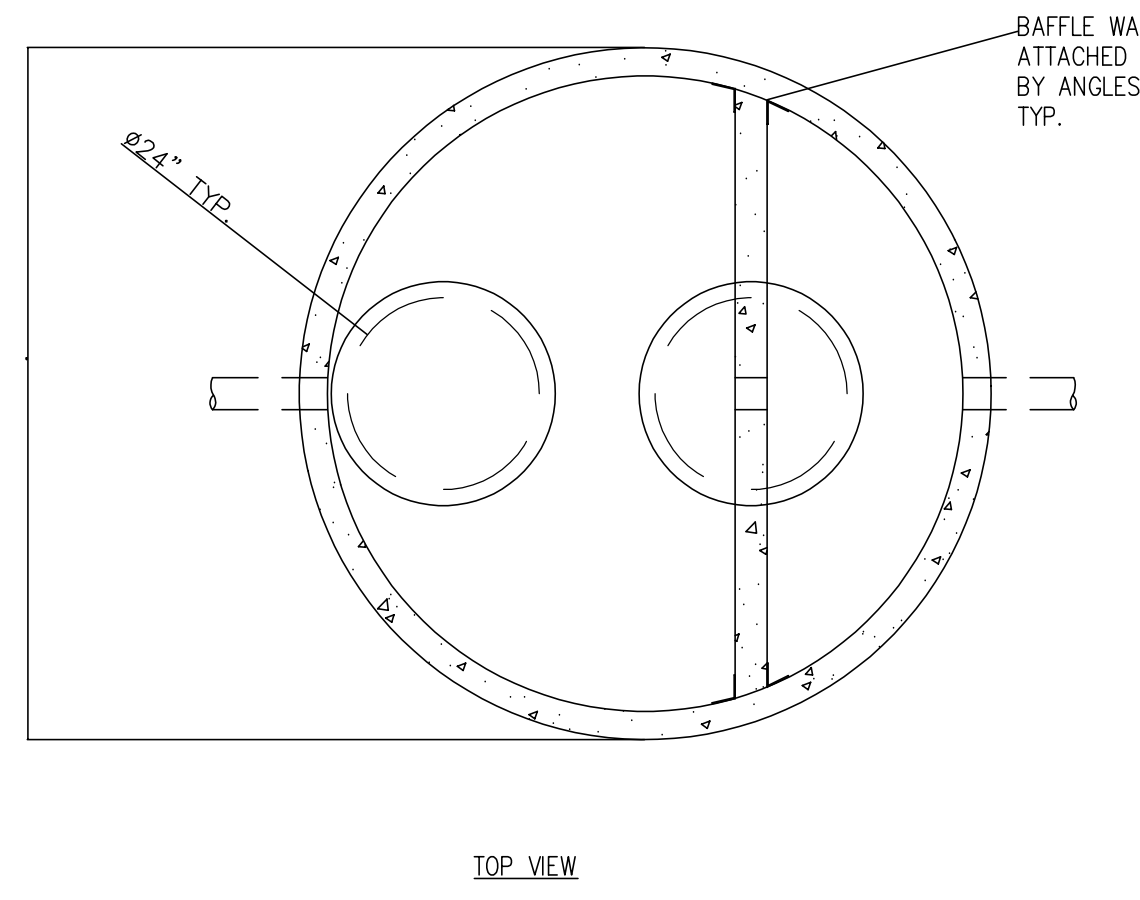


7 WATER FILTER DETAIL
P4.0



8 TANKLESS WATER HEATER DETAIL
P4.0

- THE FOLLOWING ITEMS MUST BE INCLUDED IN THE CONSTRUCTION AND INSTALLATION OF THE EXTERIOR GREASE INTERCEPTOR.
1. THE TANK CONSTRUCTION MUST MEET ASTM STANDARD C1227 SUBPARTS 5 AND 6.
 2. THE TANK MUST BE ACCESSIBLY LOCATED TO PERMIT INSPECTION AND MAINTENANCE. A MAINTENANCE MANHOLE, AT LEAST 24 INCHES IN DIAMETER, MARKED WITH A WARNING "NOT TO ENTER WITHOUT PROPER EQUIPMENT", MUST ALSO BE PROVIDED. INSPECTION MANHOLE MUST BE PROVIDED ABOVE BAFFLES.
 3. THE TANK MUST BE MARKED TO INDICATE FLOW, THE MANUFACTURER, THE STANDARD THE TANK IS MANUFACTURED TO, THE LIQUID CAPACITY, DESIGNATION AS GREASE TRAP, AND IF IT IS APPROVED FOR WHEEL LOADING. THE LIQUID HOLDING CAPACITY AND MANUFACTURER MUST BE PERMANENTLY ATTACHED TO THE TANK FOR COMPLIANCE WITH ASTM C1227-98 FOR TANK CONSTRUCTION.
 4. THE INSTALLED GREASE INTERCEPTOR MUST PASS A MANOMETER TEST WITH 1 INCH WATER COLUMN FOR 5 MINUTES, OR A VACUUM TEST WITH 2 INCHES OF MERCURY FOR 60 MINUTES.
 5. THE FOLLOWING ITEMS MUST BE INCLUDED IN THE CONSTRUCTION AND INSTALLATION OF THE EXTERIOR GREASE INTERCEPTOR.
 - A. ONLY WASTES REQUIRING GREASE SEPARATION SHALL BE DISCHARGED TO THE INTERCEPTOR.
 - B. THE INTERCEPTOR TANK MUST BE PROTECTED FROM FREEZING.
 - C. THE TANK CONSTRUCTION MUST MEET THE CITY OF WAYZATA REQUIREMENTS.
 - D. THE INVERT OF THE INLET MUST BE AT LEAST 2 INCHES ABOVE INVERT OF OUTLET.
 - E. INLET AND OUTLET SHALL BE PROVIDED WITH AN OPEN-END SANITARY TEE FITTING OR BAFFLES. BAFFLES SHALL EXTEND AT LEAST 6" BELOW THE LIQUID LEVEL WITH A 2" CLEAR SPACE ABOVE THE SANITARY TEE OR BAFFLES. SANITARY TEE OR BAFFLES TO EXTEND AT LEAST 1/3 THE DEPTH OF THE LIQUID LEVEL ON THE INLET SIDE AND 2/3 BELOW ON THE OUTLET SIDE. BAFFLES AND FASTENERS MUST BE PLASTIC AND/OR STAINLESS STEEL.
 - F. THE TANK MUST BE ACCESSIBLY LOCATED TO PERMIT INSPECTION AND MAINTENANCE. A MAINTENANCE MANHOLE, AT LEAST 24 INCHES IN DIAMETER, MARKED WITH A WARNING "NOT TO ENTER WITHOUT PROPER EQUIPMENT", MUST ALSO BE PROVIDED. INSPECTION PIPES AT LEAST 4 INCHES IN DIAMETER MUST BE PROVIDED ABOVE BAFFLES.
 - G. THE TANK MUST BE MARKED TO INDICATE FLOW, THE MANUFACTURER, THE STANDARD THE TANK IS MANUFACTURED TO, THE LIQUID CAPACITY, DESIGNATION AS GREASE TRAP, AND IF IT IS APPROVED FOR WHEEL LOADING.
 - H. A 4"x6" PERMANENT LABEL SHALL BE AFFIXED TO THE MANHOLE COVER IDENTIFYING IT AS A "GREASE INTERCEPTOR".
 - I. GREASE INTERCEPTOR TO BE A MIN. 5'-0" FROM BUILDING; 10'-0" FROM WATER SERVICE AND 2'-0" FROM A PROPERTY LINE.



WEHD 1500 EXTERIOR GREASE INTERCEPTOR
WEISER CONCRETE PRODUCTS
RT. 2 (HWY 10) BOX 148
MAIDEN ROCK, WI., 54750
(715) 647-2311 FAX (715) 647-5181
TANK MEETS OR EXCEEDS ASTM C-1227
STANDARD SPECIFICATIONS FOR PRECAST CONCRETE TANKS

WEHD1500
TANK SPECIFICATIONS

DIMENSIONS:

- WALL: 3 1/2"
- BOTTOM: 5"
- COVER: 6"
- MANHOLE: 24" I.D. PRECAST CONCRETE RISER
- HEIGHT: 95 1/2" O.D.
- OUTSIDE DIAMETER: 86 1/2" O.D.
- BELOW INLET: 78" O.D.
- LIQUID LEVEL: 70"
- WEIGHT: TANK 9,535 LBS.
- WEIGHT: COVER 3,000 LBS.

INLET AND OUTLET:
4" CAST-A-SEAL BOOT OR EQUAL
GASKET, CAST-A-SEAL BOOT OR EQUAL

LIQUID CAPACITY: 21.48 GAL/IN

LOADING DESIGN: 12' 0" UNSATURATED SOIL / HS-20

SPECIAL FEATURE: "POSITIVE SEAL"
V-SHAPED JOINT CONNECTION
BETWEEN TANK AND COVER

INLET AND OUTLET BAFFLE MATERIAL:
SUPPLIED BY CONTRACTOR

CUSTOMIZED TANKS:
TANKS CAN BE CUSTOMIZED CONTACT
WEISER CONCRETE

TANKS ARE MANUFACTURED TO MEET OR EXCEED ASTM C-1227 REQUIREMENTS

NOTE: ENTIRE INTERCEPTOR SHALL BE APPROVED BY ALL LOCAL GOVERNING AUTHORITIES PRIOR TO INSTALLATION

9 GREASE TRAP DETAIL
P4.0



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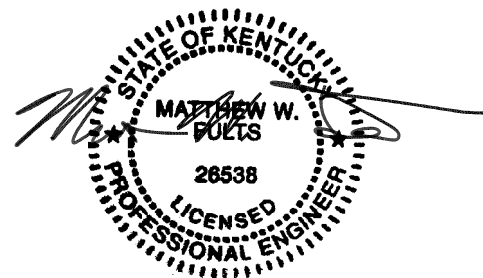
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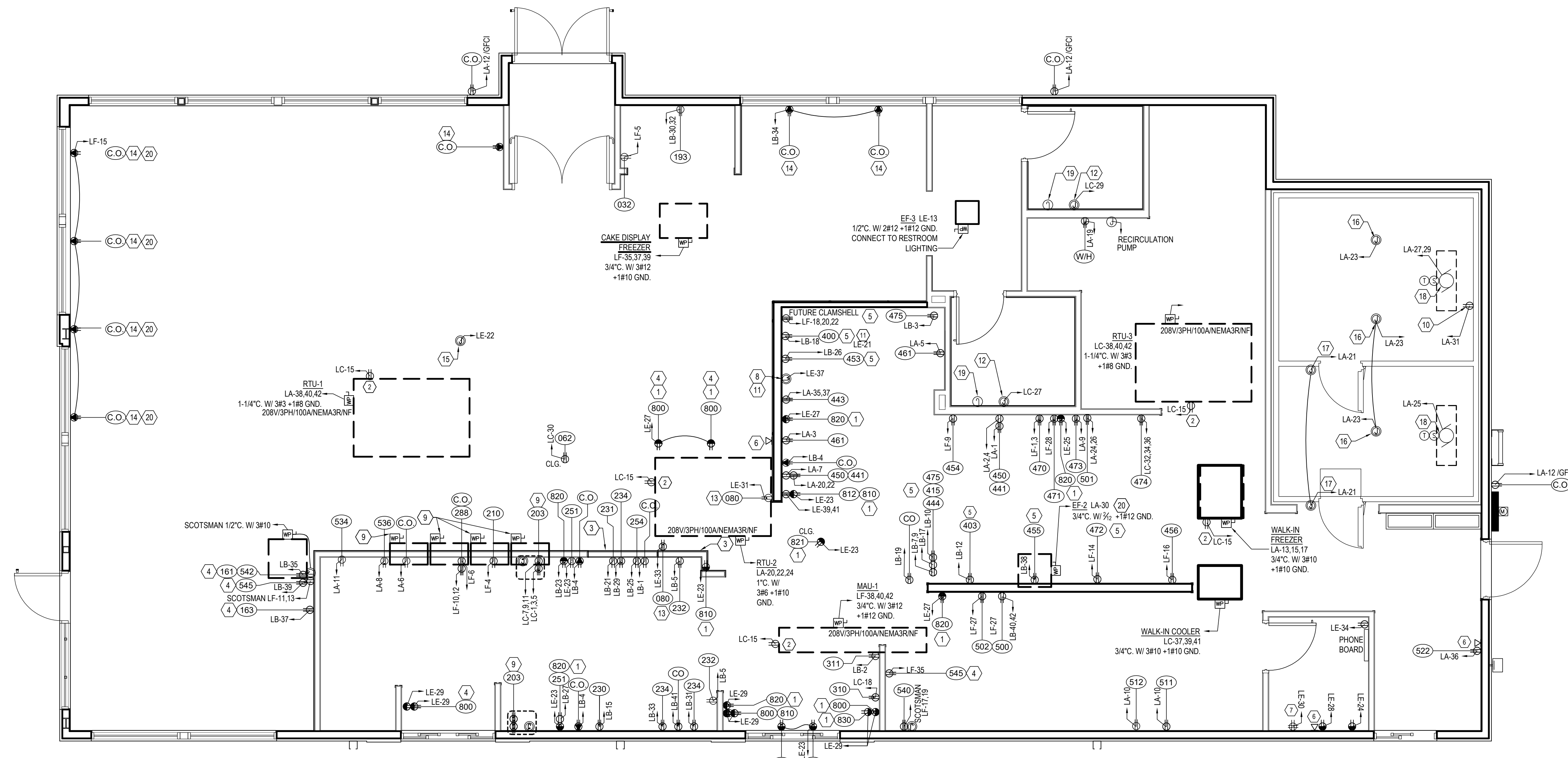
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ELECTRICAL POWER PLAN

SHEET NUMBER:
E1.1



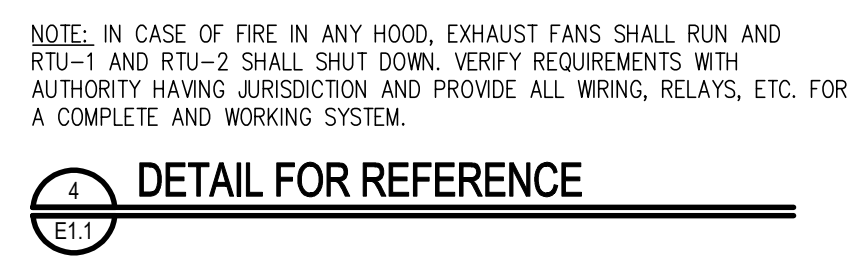
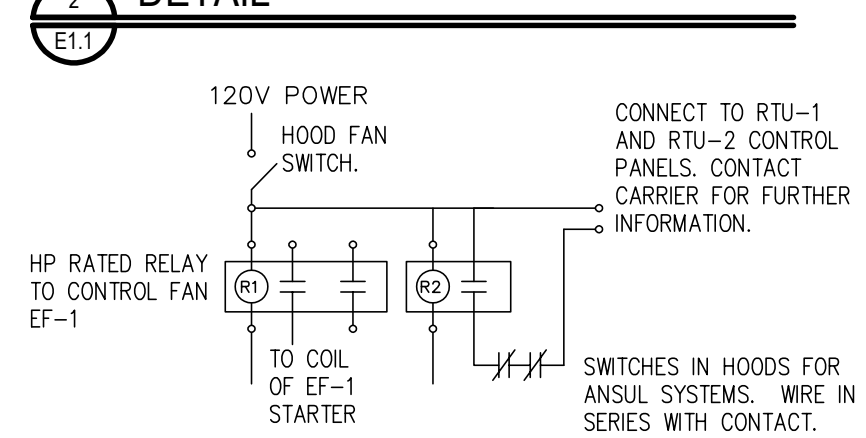
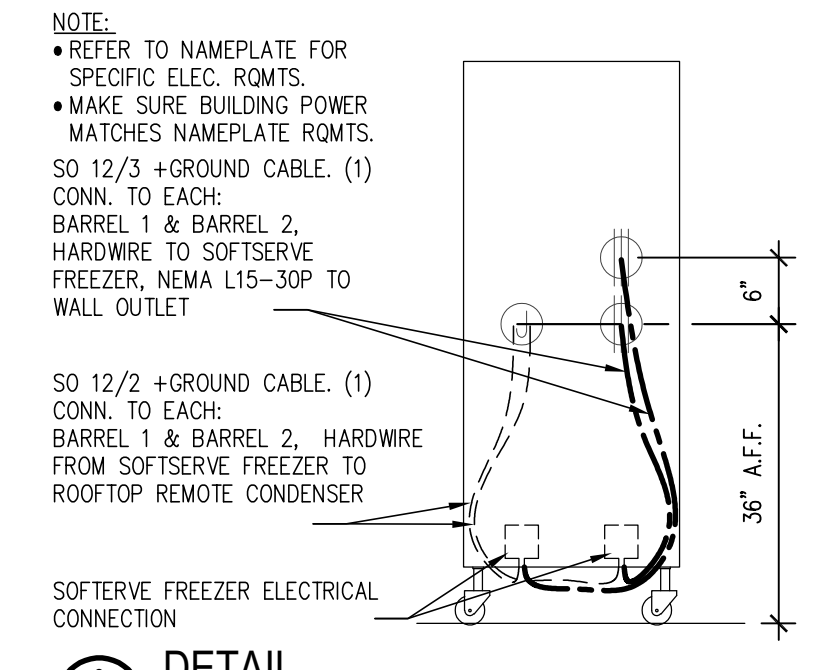
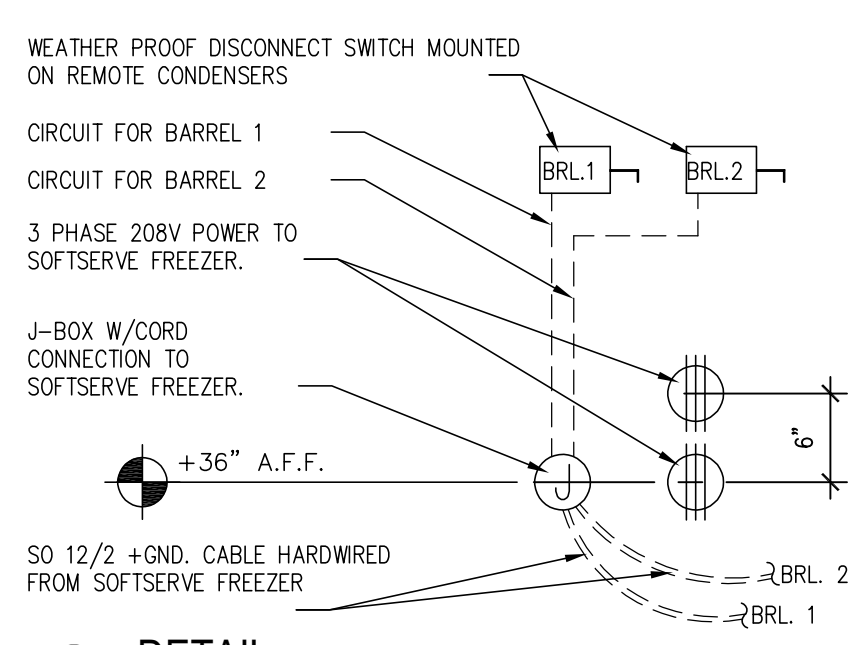
POWER PLAN
SCALE: 1/4" = 1'-0"

EQUIPMENT/HVAC NOTES (GRILL & CHILL)

DH-1	DUCT HEATER #1: 208V/3PH, 3.5KW, E.C. TO PROVIDE 30A-3P NEMA 1 NON-FUSED DISCONNECT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
EF-1	EXHAUST FAN #1: 3/4 HP-208V/3PH, ELECTRICAL CONTRACTOR TO FIELD WIRE KITCHEN FAN CONTROL SWITCH PROVIDED BY HOOD MANUFACTURER TO EXHAUST HOOD AND HOOD LIGHTING. ELECTRICAL CONTRACTOR FIELD WIRE SHUNT TRIP BREAKERS TO SPARE RELAY CONTACTS IN KITCHEN FAN CONTROL SWITCH. FIELD VERIFY AND COORDINATE WITH OTHER TRADES. STARTER TO BE MOUNTED BELOW CEILING ADJACENT TO THE HOOD.
EF-2	EXHAUST FAN #2: 3/4 HP-208V/3PH, ELECTRICAL CONTRACTOR TO FIELD WIRE KITCHEN FAN CONTROL SWITCH PROVIDED BY HOOD MANUFACTURER TO EXHAUST HOOD AND HOOD LIGHTING. ELECTRICAL CONTRACTOR FIELD WIRE SHUNT TRIP BREAKERS TO SPARE RELAY CONTACTS IN KITCHEN FAN CONTROL SWITCH. FIELD VERIFY AND COORDINATE WITH OTHER TRADES. STARTER TO BE MOUNTED BELOW CEILING ADJACENT TO THE HOOD.
EF-3	EXHAUST FAN #2: 1/6 HP-120V-1PH. WP TOGGLE SWITCH ON UNIT BY MANUFACTURER. CONNECT TO RESTROOM LIGHTING CIRCUIT. PROVIDE RELAYS AND MISCELLANEOUS HARDWARE AS REQUIRED.
RTU-1	ROOFTOP UNIT #1: 208V/3PH. E.C. TO MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
RTU-2	ROOFTOP UNIT #2: 208V/3PH. E.C. TO MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
RTU-3	ROOFTOP UNIT #3: 208V/3PH. E.C. TO MAKE FINAL CONNECTIONS TO SERVICE DISCONNECT AND GFI RECEPTACLE PROVIDED ON UNIT. PROVIDE JUNCTION BOX AND 1/2" EMPTY CONDUIT WITH PULL LINE STUBBED TO ACCESSIBLE CEILING SPACE FOR THERMOSTAT PROVIDED BY OTHERS. E.C. TO PROVIDE NYLON BUSHINGS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
1F	MASTER-BILT: DISPLAY FREEZER: 115V/60/1, E.C. TO PROVIDE 8' OF CORD AND NEMA L5-15 PLUG & RECEPTACLE FOR EACH FREEZER. GLOBAL: DISPLAY FREEZER: 208-230V, E.C. TO PROVIDE 8' OF CORD AND NEMA L14-20P PLUG & RECEPTACLE FOR EACH FREEZER.
1F1	MASTER-BILT: ROOF TOP COMPRESSOR: 208-230V/60/1, E.C. PROVIDE WATERPROOF 30A FUSED DISCONNECT SWITCH FOR EACH UNIT. E.C. TO MAKE FINAL CONNECTION. GLOBAL: ROOF TOP COMPRESSOR: 208-230V, E.C. PROVIDE WATERPROOF 30A FUSED DISCONNECT SWITCH FOR EACH UNIT. E.C. TO MAKE FINAL CONNECTION.
6K	SCOTSMAN: ICE MAKER AND REMOTE CONDENSER: 208V/1PH. E.C. TO PROVIDE NEMA 6-20P PLUG & RECEPTACLE W/ APPROX. 4' CORD FOR THE ICE MAKER. E.C. TO PROVIDE APPROX. 4' OF FLEXIBLE SEAL TIGHT CONDUIT WITH 2 #12 WIRES BETWEEN FLUSH MOUNTED WALL JUNCTION BOX AND SERVICE JUNCTION BOX LOCATED ON BACK OR ICE MAKER. E.C. TO PROVIDE 20A/2P W.P. DISCONNECT SWITCH FUSED AT 20A ON REMOTE CONDENSER. FIELD VERIFY REQUIREMENTS BEFORE ROUGH-IN.
6B7	BUN TOASTER: 208V/1PH. E.C. TO PROVIDE NEMA 6-20R RECEPTACLE. CORD AND PLUG INCLUDED WITH UNIT.
6B9	HOT WATER DISPENSER: 208V/60/1 E.C. TO PROVIDE CORD AND PLUG.
6D	BLAST FREEZER. E.C. TO PROVIDE NEMA 6-15R RECEPTACLE. CORD AND PLUG PROVIDED WITH UNIT.
2C	SOFTSERVE FREEZER: 208-230V, 3 PHASE - PROVIDE 10GA. x6"-0" LONG, 3 WIRE W/ GROUND CORD AND NEMA L15-30P PLUG & RECEPTACLE PER BARREL, TYPICALLY (2) CONNECTIONS PER SOFTSERVE FREEZER. SOFTSERVE CONDENSER: POWER HARDWIRED FROM SOFTSERVE FREEZER, PROVIDE WP 10A, 2 POLE DISCONNECT AT EACH CONDENSER

GENERAL NOTES

- ALL EQUIPMENT SHALL BE WIRED TO PANEL AND CIRCUIT NUMBER SHOWN. PROVIDE ELECTRICAL CONDUIT TO PANEL IS PREFERRED, MC CABLE ONLY IF LOCAL CODES ALLOW (TYPICAL UNLESS SHOWN OTHERWISE).
 - ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL CONVENIENCE OUTLETS PER TENANT/OWNER, AT TENANT/OWNER'S EXPENSE.
 - IN ALL KITCHEN AREAS, ALL RECEPTACLES SHALL BE GFCI PER 2017 NEC SECTION 210.8(B)(3).
 - VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL ROOF TOP EQUIPMENT BEFORE ROUGH-IN AND COORDINATE WORK WITH OTHER TRADES.
 - PROVIDE WHITE OUTLETS W/ WHITE PLATE IN DINING AREA
 - PROVIDE WHITE OUTLET W/ S.S. PLATE IN KITCHEN AREA
 - ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET
- KEY NOTES**
- CASH REGISTER/VIDEO MONITOR SYSTEM: WIRING FOR CASH REGISTER/VIDEO MONITOR SYSTEM SHALL BE IN SEPARATE CONDUIT FROM OTHER SYSTEMS AND SHALL HAVE INSULATED/ISOLATED GROUND CONDUCTORS. RECEPTACLES SHALL BE NEMA 5-20R/15. E.C. SHALL VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
 - ROOF TOP RECEPTACLES: ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE COMPLETE GFIWP RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT.
 - THIS IS A WALL THAT IS NOT FULL HEIGHT, ALL CONDUIT MUST BE ROUTED AROUND THE OPENING OR BE RUN UNDERGROUND.
 - E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
 - EQUIPMENT BENEATH HOODS SHALL HAVE SHUNT TRIP BREAKERS INTERLOCKED WITH FIRE EXTINGUISHING SYSTEM. E.C. TO PROVIDE 120V POWER FOR CONTROLS. SEE PANEL SCHEDULE E4.
 - E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR PHONE SERVICE. COORDINATE ADDITIONAL PHONE SERVICE LOCATIONS PER OWNER'S REQUEST. FINAL TERMINATION OF PHONE JACKS BY COMMUNICATIONS CONTRACTOR.
 - AT THIS LOCATION, E.C. TO PROVIDE PROPERLY SIZED SERVICES FOR THE FOLLOWING ITEMS: 120V/1PH - COMPUTER, 120V/1PH - MONITOR, 120V/1PH - PRINTER/FAX, 120V/1PH ADDING MACHINE, 120V/1PH CONVENIENCE OUTLET, 120V/1PH WITH ISOLATED AND INSULATED GROUND FOR POS SYSTEM, JUNCTION BOX(ES), TELEPHONE/DATA LINES, OPEN JUNCTION BOXES FOR STORE SECURITY SYSTEM, OPEN JUNCTION BOXES FOR STORE MUSIC/PAGING SYSTEM.
 - ANSUL SYSTEM: E.C. TO PROVIDE JUNCTION BOX AND (1) 20A CIRCUIT FOR ANSUL SYSTEM CONNECTION. VERIFY ALL REQUIREMENTS WITH OTHER TRADES BEFORE ROUGH-IN.
 - SERVICE FOR THE CONDENSING UNIT COMES FROM THE SOFTSERVE FREEZER (J BOX ON BACKSIDE OF THE SOFTSERVE FREEZER. SEE DETAIL 2E1 & 3E1). ALSO PROVIDE A 10 AMP, 2 POLE DISCONNECT SWITCH AT THE ROOF MOUNTED CONDENSING UNIT. (1) SO 12/2 +GROUND WIRE PER BARREL. CLEARLY LABEL EACH LINE WITH UNIT LETTER AND BARREL NUMBER (A1,A2,B1,B2) AT UNIT & AT ROOF.
 - E.C. TO PROVIDE JUNCTION BOX, TOGGLE SWITCH, RECEPTACLE, AND HEAT TAPE FOR DRAIN LINE. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
 - ELECTRICAL CONTRACTOR TO PROVIDE POWER TO KITCHEN FAN CONTROL CENTER. SEE SHEET M4.
 - ELECTRIC HAND DRYER PROVIDED BY G.C., INSTALLED BY E.C. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 - MENU BOARD OUTLETS TO BE INSTALLED HORIZONTAL.
 - USB RECEPTACLES, LEGRAND PASS & SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USBI), 15 AMP/125V, NEMA 5-15R, WHITE UNIT WITH WHITE PLATE
 - PROVIDE RECESSED SERVICE FLOOR BOX (SINGLE GFCI + DATA) WITH GASKETED (WATER PROOF) COVER PER MANUFACTURERS RECOMMENDATIONS.
 - WALK-IN LIGHTING PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR. COORD. POWER REQMTS.
 - WALK-IN DOOR PANEL CONTROLS PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR. COORD. POWER REQMTS.
 - ELECTRICAL CONTRACTOR REFER TO MFG. WIRING DIAGRAM FOR INFORMATION ON WIRING CONTROLS PROVIDED BY MFG.
 - HALO-LIT MIRROR. ELECTRICAL CONTRACTOR TO TIE INTO RESTROOM LIGHTING CONTROLS, SEE LIGHTING PLAN.
 - CONDUIT FOR RECEPTACLES STUB THROUGH SLAB.



DETAIL FOR REFERENCE

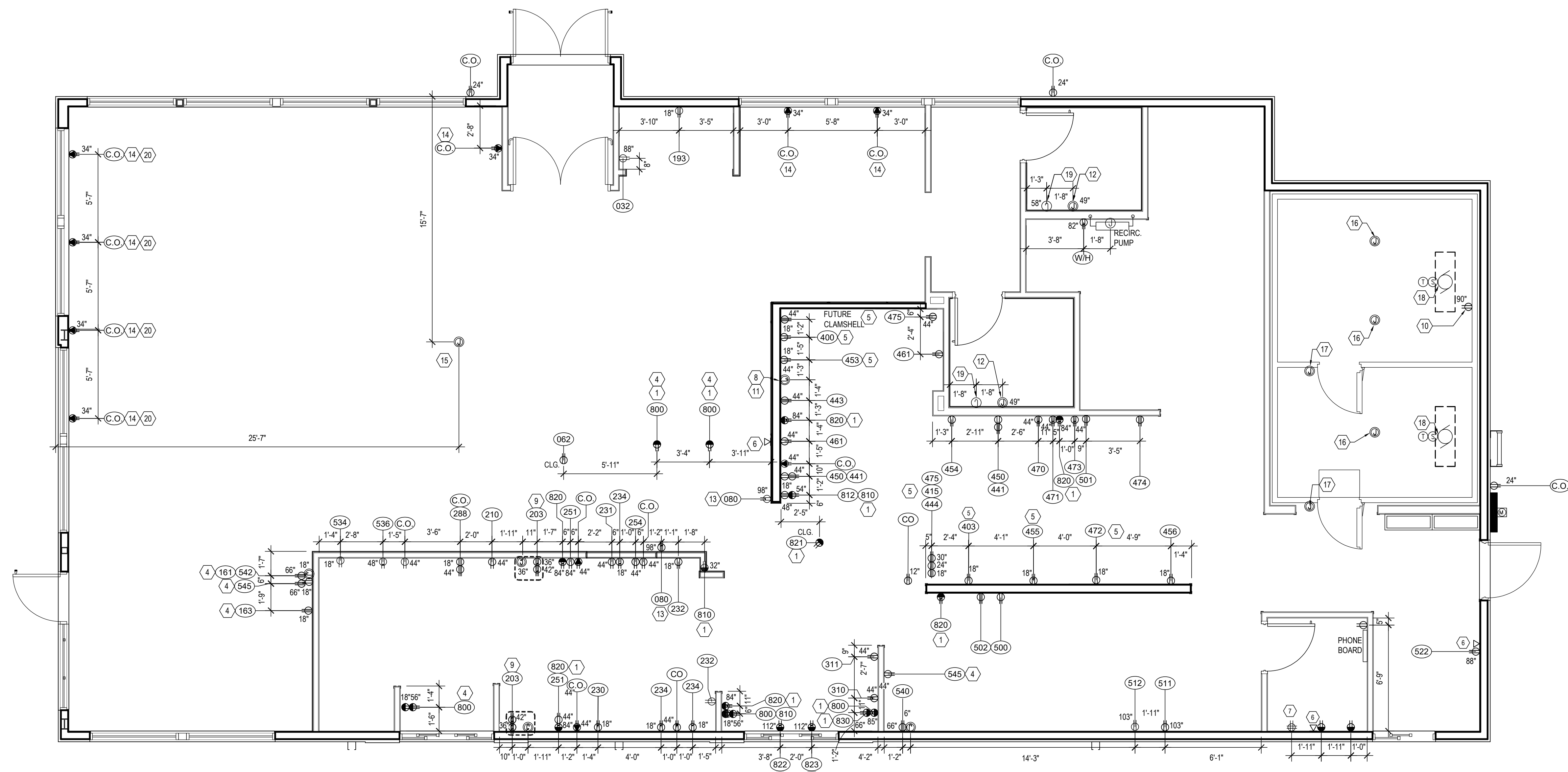
NOTE: IN CASE OF FIRE IN ANY HOOD, EXHAUST FANS SHALL RUN AND RTU-1 AND RTU-2 SHALL SHUT DOWN. VERIFY REQUIREMENTS WITH AUTHORITY HAVING JURISDICTION AND PROVIDE ALL WIRING, RELAYS, ETC. FOR A COMPLETE AND WORKING SYSTEM.

DETAIL

NOTE:
• REFER TO NAMEPLATE FOR SPECIFIC ELEC. ROOMTS.
• MAKE SURE BUILDING POWER MATCHES NAMEPLATE ROOMTS.
SO 12/3 +GROUND CABLE. (1) CONN. TO EACH BARREL 1 & BARREL 2. HARDWIRE TO SOFTSERVE FREEZER, NEMA L15-30P TO WALL OUTLET

SO 12/2 +GROUND CABLE. (1) CONN. TO EACH BARREL 1 & BARREL 2. HARDWIRE FROM SOFTSERVE FREEZER TO ROOFTOP REMOTE CONDENSER

SOFTSERVE ELECTRICAL CONNECTION



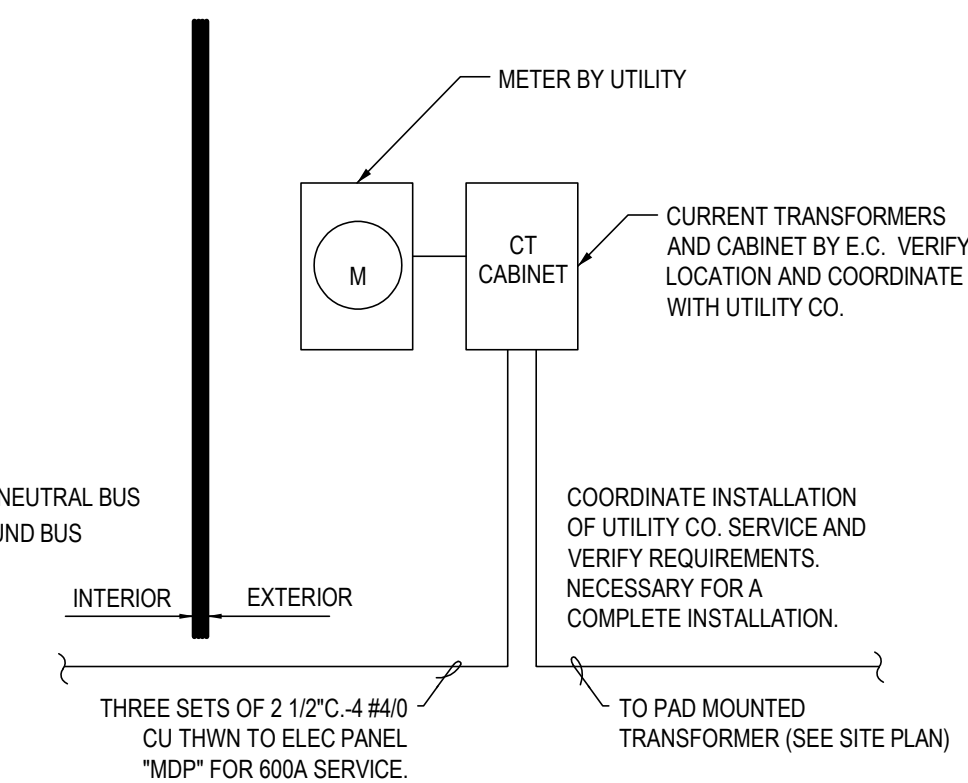
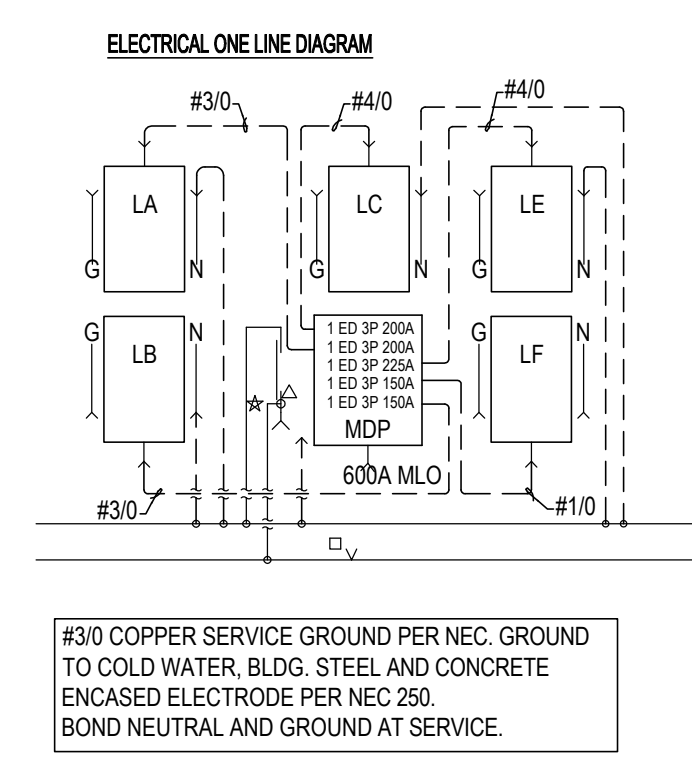
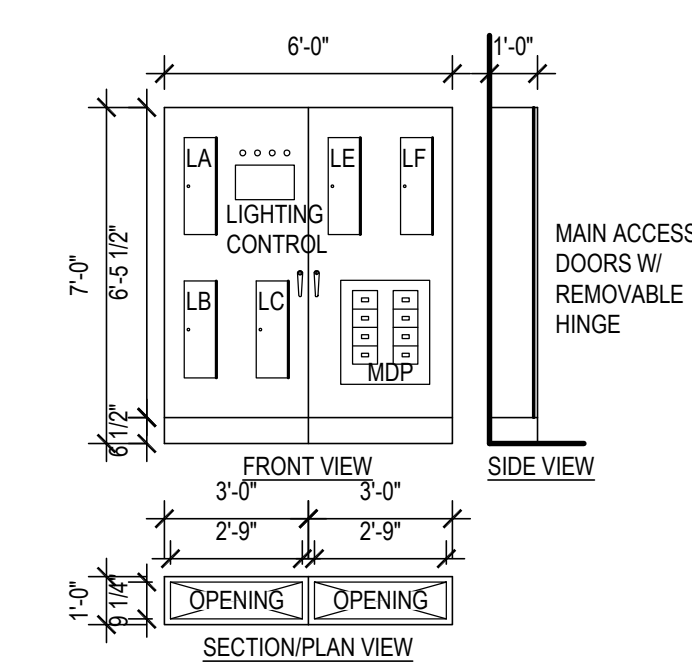
1 ROUGH-IN PLAN
E1.2 SCALE: 1/4" = 1'-0"

- GENERAL NOTES: APPROVED VENDOR: SSDI SEE NATIONAL VENDORS LIST
- WHERE APPLICABLE, ALL PANELBOARDS AND TRANSFORMERS WILL BE FACTORY INSTALLED AND CABLED WITH N.E.C. SIZED CONDUCTORS. SEE THE ONE-LINE DIAGRAM FOR DETAILS. THE CONTRACTOR WILL BE REQUIRED TO MAKE ALL FINAL TERMINATIONS FOR PROPER TORQUE.
 - WHERE APPLICABLE, ALL PANELBOARDS WILL BE RECESS MOUNTED IN THE INTEGRATED SWITCHBOARD TO ALLOW FOR TOTAL FRONT ACCESS. A DEDICATED PANELBOARD WIREWAY IS ALSO PROVIDED.
 - WHERE FACTORY INSTALLED CABLING OCCURS BETWEEN INTEGRATED SWITCHBOARD SHIPPING SPLITS, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FIELD TERMINATION OF THE CABLES. SEE ELEVATION VIEW DRAWINGS FOR SHIPPING SPLIT INFORMATION.
 - EACH INTEGRATED SWITCHBOARD SHIPPING SPLIT WILL BE PALLETIZED AND SHIPPED IN AN ENCLOSED SEMI-TRAILOR. WHERE APPLICABLE, THE CONTRACTOR SHALL ARRANGE FOR A FORK TRUCK TO UNLOAD AND SET THE EQUIPMENT IN PLACE. 24-HOUR NOTICE WILL BE GIVEN PRIOR TO DELIVERY.
 - ENGINEER OF RECORD SHALL VERIFY AVAILABLE SHORT-CIRCUIT CURRENT AND ADJUST INTERRUPTING CAPACITIES OF PANELBOARDS AS REQUIRED TO MEET CODE.
 - THE E.C. SHALL PROVIDE ALL CUTTING, TRENCHING, BACK-FILLING AND PATCHING AS REQUIRED AND SHALL BE INCLUDED AS PART OF THE E.C.'S WORK.
 - AN INTEGRATED SWITCHBOARD SHALL BE USED FOR THE STORE. INTEGRATED SWITCHBOARD SUPPLIER SHALL COORDINATE SWITCHBOARD LAYOUT, WIREWAYS, EQUIPMENT, AND ALL EQUIPMENT DIMENSIONS WITH THE ELECTRICAL CONTRACTOR BEFORE BUILDING INTEGRATED SWITCHBOARD. THE E.C. SHALL WORK WITH THE INTEGRATED SWITCHBOARD SUPPLIER SO THAT THE INTEGRATED SWITCHBOARD IS CORRECT AND WILL FIT INTO PLACE MEETING ALL N.E.C. CODES BEFORE SHIPPING EQUIPMENT. THE E.C. SHALL COORDINATE ALL CONDUITS AND WIRING INSTALLATION BEFORE ROUGH-IN TO ENSURE THAT THE CONDUITS AND WIRING ARE CORRECT FOR THE INTEGRATED SWITCHBOARD. NOTE: ANY ADJUSTMENTS OR CHANGES WILL BE THE SOLE RESPONSIBILITY OF THE E.C. AT NO COST TO THE OWNER.
 - THE E.C. SHALL RETORQUE AND RETIGHTEN ALL PANELBOARDS, MDP, BREAKERS AND DISCONNECTS PER MANUFACTURER'S SPECIFICATIONS BEFORE POWER IS TURNED ON. VERIFY THAT CIRCUIT BREAKER PLACEMENTS IN PANELBOARDS AS SHIPPED TO THE JOB SITE MATCH PANEL SCHEDULES. IF NOT, REARRANGE CIRCUIT BREAKERS AS REQUIRED. LABEL AND IDENTIFY ALL LOADS IN MDP AND PANELBOARD DIRECTORIES. VERIFY ALL LOADS SHOWN, AND REPORT ANY CONFLICTS TO THE ENGINEER.
 - INTEGRATED SWITCHBOARD IS SEISMIC RATED

CAUTION - SERIES COMBINATION SYSTEM RATED 65,000 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.

- LEGEND**
- △ - NEUTRAL DISCONNECT LINK
 - ★ - NEUTRAL TO GROUND CONNECTION
 - - GROUND LUG
 - ▽ - TERMINAL(S)
 - B.L. - BUS LOCATION
 - - - - CABLE INSTALLED BY MANUFACTURER
 - - - - CONTRACTOR SUPPLIED & INSTALLED

SERVICE VOLTAGE 208Y/120V 3 PHASE 4 WIRE
MAIN BUS 600A NEUTRAL BUS 600A CU BUS MAIN LUGS (1) #6-350 MCM 1-350MOM GROUND LUGS SUPPLIED AS STANDARD BUS BRACING 6SKA SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT NEMA-1 ENCLOSURE FINISH RAL 7035 SWBD ESTIMATED WEIGHT: 900 LBS PER SECTION

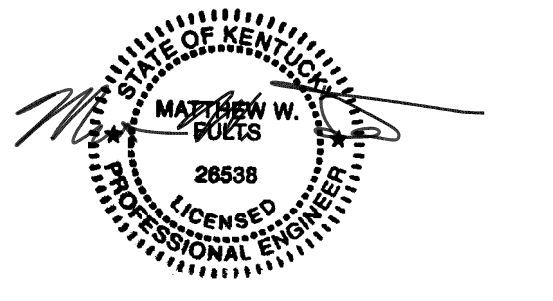


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 - PROVIDE WHITE OUTLET W/ S.S. PLATE IN KITCHEN AREA
 - ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET
- KEY NOTES**
- CASH REGISTER/VIDEO MONITOR SYSTEM: WIRING FOR CASH REGISTER/VIDEO MONITOR SYSTEM SHALL BE IN SEPARATE CONDUIT FROM OTHER SYSTEMS AND SHALL HAVE INSULATED/ISOLATED GROUND CONDUCTORS. RECEPTACLES SHALL BE NEMA 5-20R/4G. E.C. SHALL VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
 - ROOF TOP RECEPTACLES: ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE COMPLETE GFI/W RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT.
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 - E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
 - EQUIPMENT BENEATH HOODS SHALL HAVE SHUNT TRIP BREAKERS INTERLOCKED WITH FIRE EXTINGUISHING SYSTEM. E.C. TO PROVIDE 120V POWER FOR CONTROLS. SEE PANEL SCHEDULE E4.
 - E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR PHONE SERVICE. COORDINATE ADDITIONAL PHONE SERVICE LOCATIONS PER OWNER'S REQUEST. FINAL TERMINATION OF PHONE JACKS BY COMMUNICATIONS CONTRACTOR.
 - AT THIS LOCATION, E.C. TO PROVIDE PROPERLY SIZED SERVICES FOR THE FOLLOWING ITEMS: 120V/1PH - COMPUTER; 120V/1PH - MONITOR; 120V/1PH - PRINTER/FAX; 120V/1PH ADDING MACHINE; 120V/1PH - CONVENIENCE OUTLET; 120V/1PH WITH ISOLATED AND INSULATED GROUND FOR POS SYSTEM, JUNCTION BOXES; TELEPHONE/DATA LINES; OPEN JUNCTION BOXES FOR STORE SECURITY SYSTEM; OPEN JUNCTION BOXES FOR STORE MUSIC/PAGING SYSTEM.
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 - USB RECEPTACLES, LEGRAND PASS & SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USB), 15 AMP/125V, NEMA 5-15R, WHITE UNIT WITH WHITE PLATE
 - PROVIDE RECESSED SERVICE FLOOR BOX (SINGLE GFCI - DATA) WITH GASKETED (WATER PROOF) COVER PER MANUFACTURER'S RECOMMENDATIONS.
 - WALK-IN LIGHTING PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REQ'TS.
 - WALK-IN DOOR PANEL CONTROLS PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REQ'TS.
 - ELECTRICAL CONTRACTOR REFER TO MFG. WIRING DIAGRAM FOR INFORMATION ON WIRING CONTROLS PROVIDED BY MFG.
 - HALO-LIT MIRROR: ELECTRICAL CONTRACTOR TO THE INTO RESTROOM LIGHTING CONTROLS. SEE LIGHTING PLAN.
 - CONDUIT FOR RECEPTACLES STUB THROUGH SLAB.

2 ELECTRICAL SERVICE DIAGRAM
E1.2



AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.
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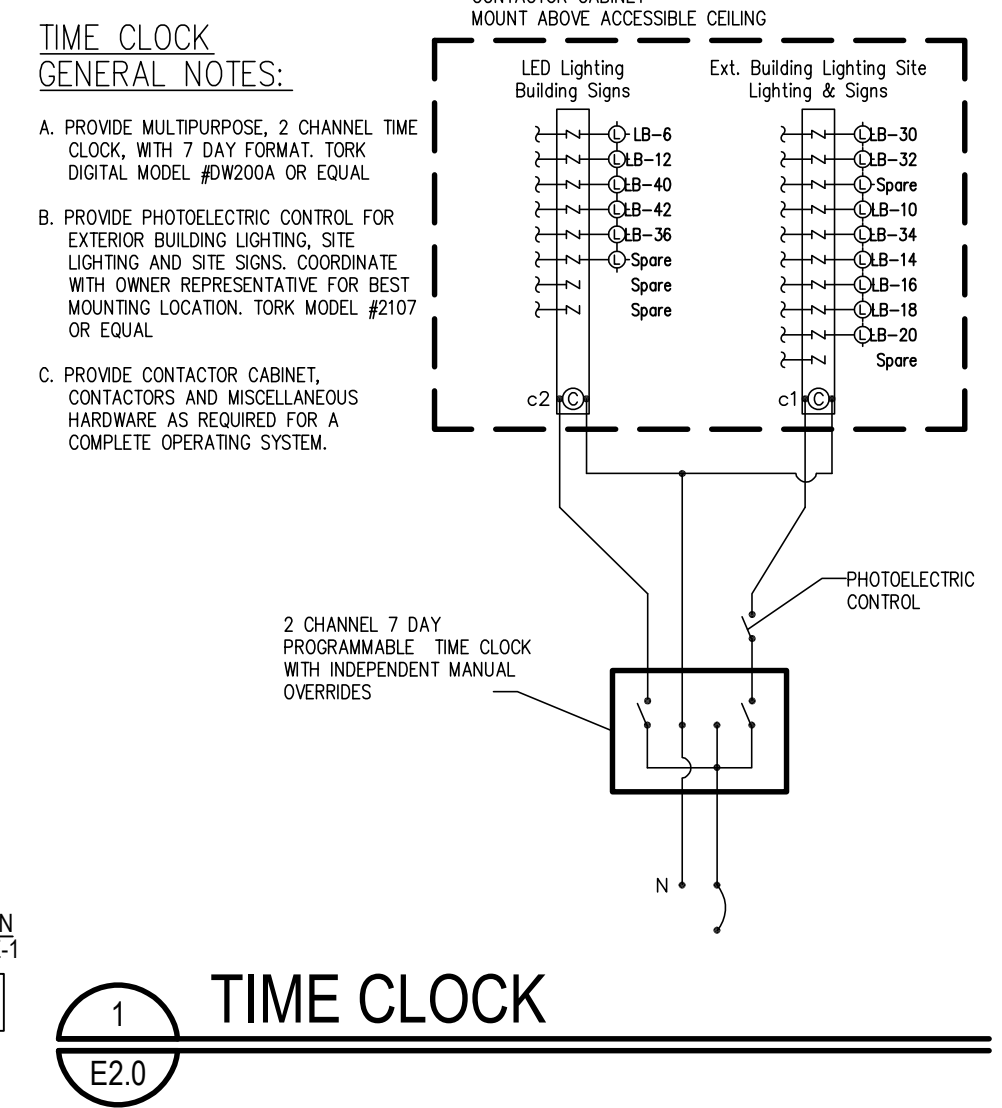
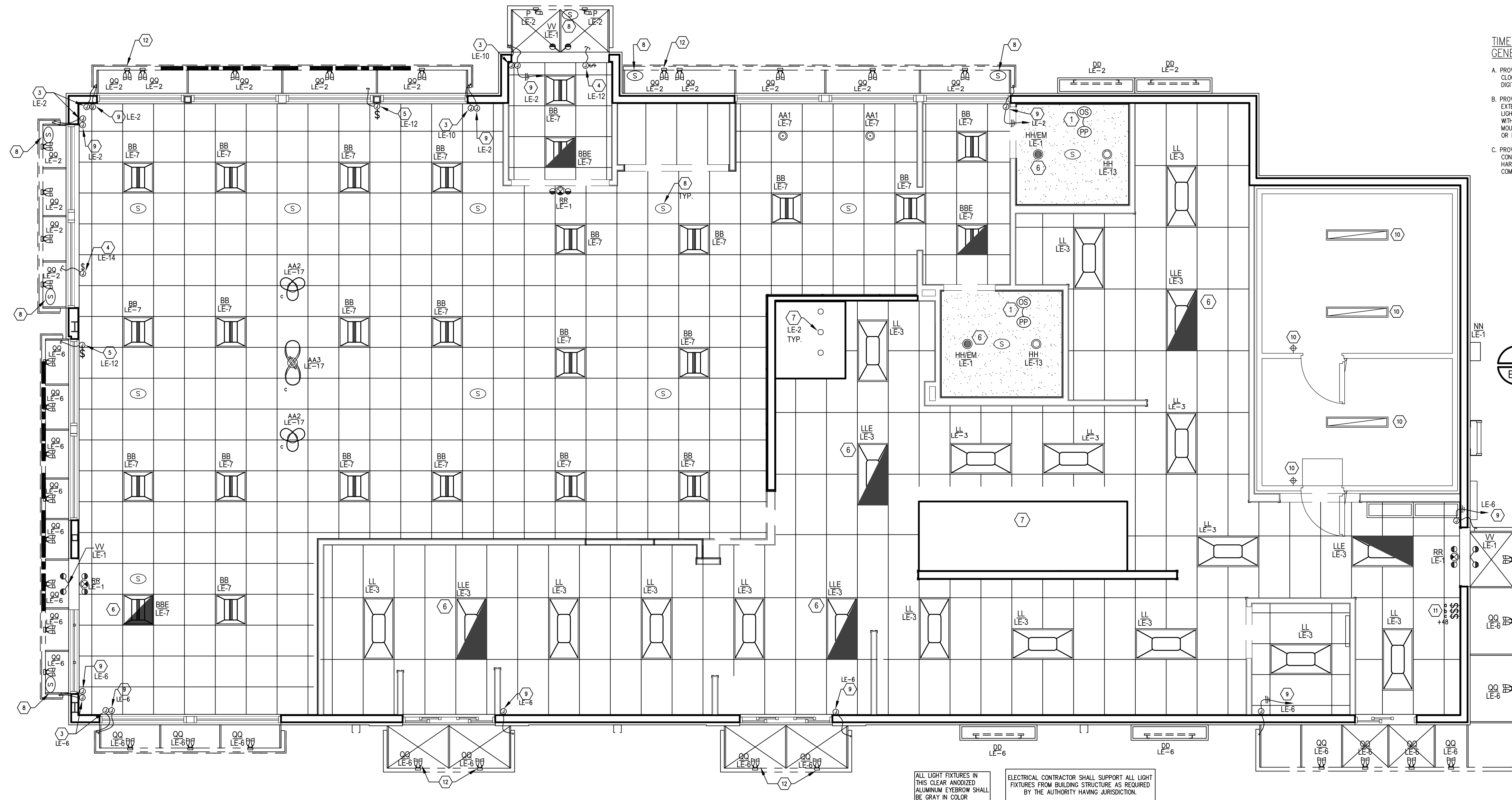
07/15/21
STATE ENGINEER LICENSE NUMBER
26538

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ISSUE DATE: 07/15/21
REVISION DATE:
07/15/21 ORIGINAL ISSUE

**ELECTRICAL
ROUGH-IN PLAN**

SHEET NUMBER:
E1.2



2 LIGHTING & BUILDING SIGNAGE POWER PLAN
 E2.0 SCALE: 1/4" = 1'-0"

SYM	DESCRIPTION
	SPECIAL PURPOSE OUTLET (COMBO WALL USB CHARGER) - FLUSH MOUNT (15 AMP RATED)
	DUPLEX RECEPTACLE OUTLET - FLUSH MOUNT (20 AMP RATED)
	208 VOLT RECEPTACLE - FLUSH MOUNTED
	ISOLATED GROUND RECEPTACLE (NEMA 5-20R-1G)
	JUNCTION BOX - FLUSH MOUNT
	DISCONNECT SWITCH
	PHONE
	SPEAKER FIXTURE
	SINGLE POLE SWITCH
	UNDERGROUND CONDUIT
	CONDUIT HOME RUN TO PANEL "LF" WITH CIRCUIT 7
	PANEL "LE" AND CIRCUITS 8 THROUGH 18 (I.E., CIRCUITS 8, 10, 12, 14, 16 AND 18)

SYM	DESCRIPTION
WP	WEATHER PROOF
F.B.O.	FURNISHED BY OTHERS
U.G.	UNDERGROUND
HP	HORSE POWER
W.I.C.	WALK-IN COOLER
FTRONS	FUSETRONS
SAF.SW.	SAFETY SWITCH
C.	CONDUIT
A.F.G.	ABOVE FINISHED GROUND
A.H.J.	AUTHORITY HAVING JURISDICTION

- GENERAL NOTES**
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL GENERAL LIGHTING AS SHOWN.
 - EMERGENCY BATTERY LIGHTING SHALL PROVIDE A UNIFORMLY DISTRIBUTED MINIMUM 1.0 FOOT CANDLE AVERAGE ILLUMINATION AT FLOOR LEVEL FOR PATH OF EGRESS. PROVIDE ADDITIONAL EMERGENCY LIGHTING AND INCLUDE IN YOUR BID IF REQUIRED BY AUTHORITY HAVING JURISDICTION.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE MOUNTING LOCATIONS OF LIGHT FIXTURES WITH STRUCTURAL, JOIST LOCATIONS, MECHANICAL DUCT WORK, AND EQUIPMENT BEFORE STARTING WORK.
 - REFER TO SHEET E6 LIGHTING CONTROL DIAGRAM FOR LIGHTING CONTROLS.
- KEY NOTES**
- RESTROOM LIGHTING CIRCUITS: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL MOTION AND SOUND ACTIVATED SENSORS IN EACH RESTROOM. UNIT TO BE A "CM-PDT" WITH A "PP-20" POWER PACK, WITH ALL REQUIRED ACCESSORIES, AS MANUFACTURED BY SENSOR SWITCH, INC OF WALLINGFORD, CT, OR EQUAL.
 - ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE DEDICATED CONTROLS FOR DINING ROOM RECESSED AND LAY-IN LIGHTS WITHIN INDICATED BOUNDARY.
 - LED STRIP LIGHT: ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A JUNCTION BOX IN AN ACCESSIBLE AREA ABOVE THE FINISHED CEILING AND MAKE ALL CONNECTIONS REQUIRED TO PROPERLY INSTALL LED. PROVIDE THRU-WALL CONNECTION FROM LED TO JUNCTION BOX, ALL CONNECTIONS, WALL PENETRATIONS, ETC. MUST BE WATER TIGHT AND COMPLY WITH PREVAILING CODES.
 - E.C. TO PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN ACCESSIBLE CEILING SPACE AND RUN 1/2" FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL TO SIGNAGE CONNECTION POINT AFTER SIGN HAS BEEN INSTALLED. FIELD VERIFY BEST MOUNTING LOCATION FOR JUNCTION BOX AND SIGN REQUIREMENTS WITH SIGN SUPPLIER AND ARCHITECTURAL DRAWINGS. MAKE FINAL CONNECTION AS REQUIRED.
 - E.C. TO PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN ACCESSIBLE CEILING SPACE AND RUN 1/2" FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL AND OUTRIGGER FRAMES TO CHANNEL LETTER SIGNAGE CONNECTION POINT AFTER SIGN HAS BEEN INSTALLED. FIELD VERIFY BEST MOUNTING LOCATION FOR JUNCTION BOX AND SIGN REQUIREMENTS WITH SIGN SUPPLIER AND ARCHITECTURAL DRAWINGS. MAKE FINAL CONNECTION AS REQUIRED.
 - FIXTURES DENOTED "EM" TO INCLUDE EMERGENCY BALLAST. BALLAST TO PROVIDE FULL OUTPUT. FIXTURES SHALL BE CONNECTED AHEAD OF ANY SWITCHES.
 - EXHAUST HOOD LIGHTING FIXTURE(S) PART OF HOOD PACKAGE. FINAL ELECTRICAL CONNECTION BY ELECTRICAL CONTRACTOR.
 - "MOOD" MUSIC SYSTEM PACKAGE INCLUDES: SPEAKERS, RECEIVER, CABLE AND INSTALLATION AND IS PROVIDED BY THE OWNER AND INSTALLED BY MUZZAK SYSTEM INSTALLER. SEE NATIONAL VENDORS LIST FOR SYSTEM NATIONAL ACCOUNT PRICING & INSTALLATION COORDINATION. INTERIOR CEILING MOUNTED (MATCH CEILING COLOR) AND EXTERIOR BACK SIDE OF EYEBROW MOUNTED (BLACK) SPEAKER LOCATIONS.
 - E.C. TO PROVIDE JUNCTION BOX LOCATED IN ACCESSIBLE CEILING SPACE AND FLEXIBLE SEAL TIGHT CONDUIT THROUGH EXTERIOR WALL/OUTRIGGER FRAMES TO UP LIGHTS AND DOWN LIGHTS MOUNTED ON OUTRIGGER FRAME SYSTEM AFTER FRAME HAD BEEN INSTALLED. E.C. TO COORDINATE MOUNTING WITH OTHER TRADES FOR BEST MOUNTING AND ROUTING OF CONDUIT.
 - WALK-IN COOLER/FREEZER LIGHTING PROVIDED BY WALK-IN MANUFACTURER. INSTALLED BY ELECTRICAL CONTRACTOR.
 - PROVIDE (3) SINGLE POLE WALL SWITCHES (ON/OFF OR DIMMER) IN THIS AREA. DIMMER SWITCH "A" TO CONTROL KITCHEN LIGHTING CIRCUIT LE-3 (UNLESS OTHER SWITCHING IS INDICATED ON PLAN); DIMMER SWITCH "B" TO CONTROL DINING GENERAL LIGHTING CIRCUIT LE-7; DIMMER SWITCH "C" TO CONTROL LIGHTING CIRCUIT LE-17. VERIFY SWITCH REQUIREMENTS WITH LIGHT FIXTURE MANUFACTURER PRIOR TO COMMENCING WORK. ALL LIGHTING CONTROLLED VIA WALL SWITCH SHALL ALSO BE CONTROLLED VIA TIMECLOCK SYSTEM. VERIFY REQUIREMENTS WITH MANUFACTURER AND VERIFY TIMECLOCK SETTINGS WITH OWNER PRIOR TO COMMENCING WORK. VERIFY EXACT SWITCH BANK LOCATION WITH OWNER PRIOR TO COMMENCING WORK.
 - FIXTURES TO POINT DOWN. COORDINATE FINAL FIXTURE DIRECTION WITH OWNER.

LIGHTING SCHEDULE: (GRILL & CHILL) NOTE: THIS IS A PROTOTYPICAL SCHEDULE. ALL FINISHES MAY NOT BE USED.

SYMBOL	LOCATION	MOUNT	MANUFACTURER	FIXTURE CATALOG NUMBER	REMARKS
AA1	DINING ROOM	PENDANT	DAINOLITE	CUT-P-691 - 1LT CUT OUT PENDANT JTONE WHT/5V	CENTER OVER TABLE.
AA2	DINING ROOM	PENDANT	WAC LIGHTING	DWELED, VORNADO, PD-87720-CH	84" AFF. CENTER OVER COUNTER HEIGHT TABLES. COORDINATE WITH CEILING ELEMENT. SEE F SHEETS
AA3	DINING ROOM	PENDANT	WAC LIGHTING	DWELED, VORNADO, PD-87735-CH	84" AFF. CENTER OVER COUNTER HEIGHT TABLES. COORDINATE WITH CEILING ELEMENT. SEE F SHEETS
AA4	DINING ROOM	SURFACE	BEAUTIFULHALO.COM	CODE: #HL501359	THIN RING LED FLUSH CEILING LIGHT SIMPLICITY ACRYLIC 6 HEADS FLUSH LIGHT IN INTEGRATED LED - WARM
AA5	RESTROOM MIRROR	WALL	MEEK MIRRORS	ML-5100-S HALO 18x36 SIDELIT MIRROR	-
BB	DINING ROOM	CEILING, LAY-IN	COOPER, METALUX	Z2SR-LD2-20-C-UNV	-
BBE	DINING ROOM	CEILING, LAY-IN	COOPER, METALUX	Z2SR-LD2-20-C-UNV-EL14W	W/ EMERGENCY BATTERY BACK-UP
CC	FESTOON LIGHTING	IN-LINE	AMERICAN LIGHTING	LS2-M-24-48-8K	BLACK WIRE, 52' LONG, 24" LIGHT SPACING USED ONLY WITH PERGOLA.
DD	OUTDOOR POS	WALL WASHER	MORGAN HOPE	MH402-24V-6500K	COORDINATE WITH METALS PACKAGE
EE	OUTDOOR EYEBROW	LINEAR LED	MORGAN HOPE	LED-MH-NBL-24-R	FLEXIBLE LED WITH BLACK CHANNEL SYSTEM
FF	DINING ROOM	RECESSED DIRECTIONAL	LUM-TECH	LH-310 HOUSING, LT-365SN	-
GG	ALPOLIC CORNICE	SURFACE/RECESSED	DIODE LED	BLAZE (WET LOCATION) TAPE LIGHT	-
HH	DINING ROOM, RESTROOM	RECESSED	CURRENT BY GE	LRX-R6-10-8-30-MD	-
HHE	DINING ROOM, RESTROOM	RECESSED	CURRENT BY GE	LRX-R6-10-8-30-MD	W/ EMERGENCY BATTERY BACK-UP
KK	DINING ROOM	HALO LIGHT	MORGAN HOPE	MHMOD-65-12V	-
LL	KITCHEN	CEILING, LAY-IN	LSI INDUSTRIES	ELFP24-LED-40-UE	-
LLE	KITCHEN	CEILING, LAY-IN	LSI INDUSTRIES	ELFP24-LED-40-UE W/ 625074	W/ EMERGENCY BATTERY BACK-UP
NN	OUTDOOR SECURITY	WALL	KEENE	LP7-T	-
P,PP	D.T. CANOPY	SURFACE	MORGAN HOPE	DQ-MH15WMO-GRY-45	MOUNTED IN DT CANOPY. #INDICATES NUMBER OF HEADS
Q,Q,Q	EYEBROW	SURFACE	MORGAN HOPE	DQ-MH15WMO-BLK-45	MOUNTED IN EYEBROW, DIRECT ONE HEAD UP AND ONE DOWN. #INDICATES NUMBER OF HEADS
RR	EXIT, EMERGENCY	WALL, CEILING	EXTRONIX	VLED-U-WH-EL90	LOCATIONS TO COMPLY WITH PREVAILING CODES
SS1	PARKING LOT	POLE	VISIONAIRE LIGHTING	VWX-1-T3-64LC-7-9K-UNV-AM-BZ POLE: SNTS-4S-11-2S-12BC-136-S1-BZ	SEE PROJECT SITE PLANS FOR LOCATIONS - THIS ITEM HAS A 4 WEEK LEAD TIME.
SS2	PARKING LOT	POLE	VISIONAIRE LIGHTING	(2)VWX-1-T3-64LC-7-9K-UNV-AM-BZ POLE: SNTS-4S-11-2S-12BC-136-Q2-BZ	SEE PROJECT SITE PLANS FOR LOCATIONS - THIS ITEM HAS A 4 WEEK LEAD TIME.
TT	PATIO	POST	HINKLEY LIGHTING	REEF-1951-HE	INCLUDE 7'-0" SILVER POST
VV	EXTERIOR EGRESS	WALL	LIGHTOLIER	LV-L-W-HR	WET LOCATION LISTED EMERGENCY EGRESS LIGHT FIXTURE WITH BATTERY HEATER

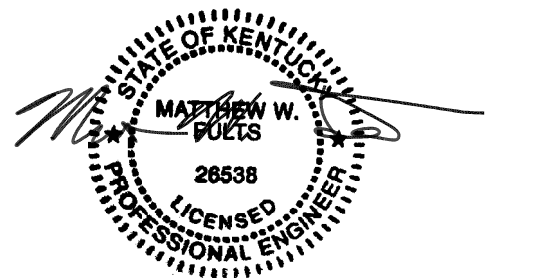
NOTES:

- ALL FIXTURES AVAILABLE THROUGH H.J.C. SEE NATIONAL VENDORS LIST FOR CONTACT INFORMATION.
- WIRING METHODS FOR ALL RECESSED LIGHT FIXTURES SHALL BE CONDUIT, UNLESS OTHERWISE NOTED, J-BOXES WITH FLEX DROPS, ETC. PER NEC REQUIREMENTS.
- FIXTURES & VARIOUS ELECTRICAL DEVICES, SHALL BE INSTALLED IN CEILING WITH PROPER SELF SUPPORTING METHODS FROM STRUCTURE PER NEC REQUIREMENTS.
- VERIFY WITH LOCAL GOVERNING OFFICIALS THE LOCATIONS OR ADDITIONS OF "EMERGENCY LIGHTING" AND PROVIDE.
- NOT ALL LIGHT FIXTURES MAY BE USED.



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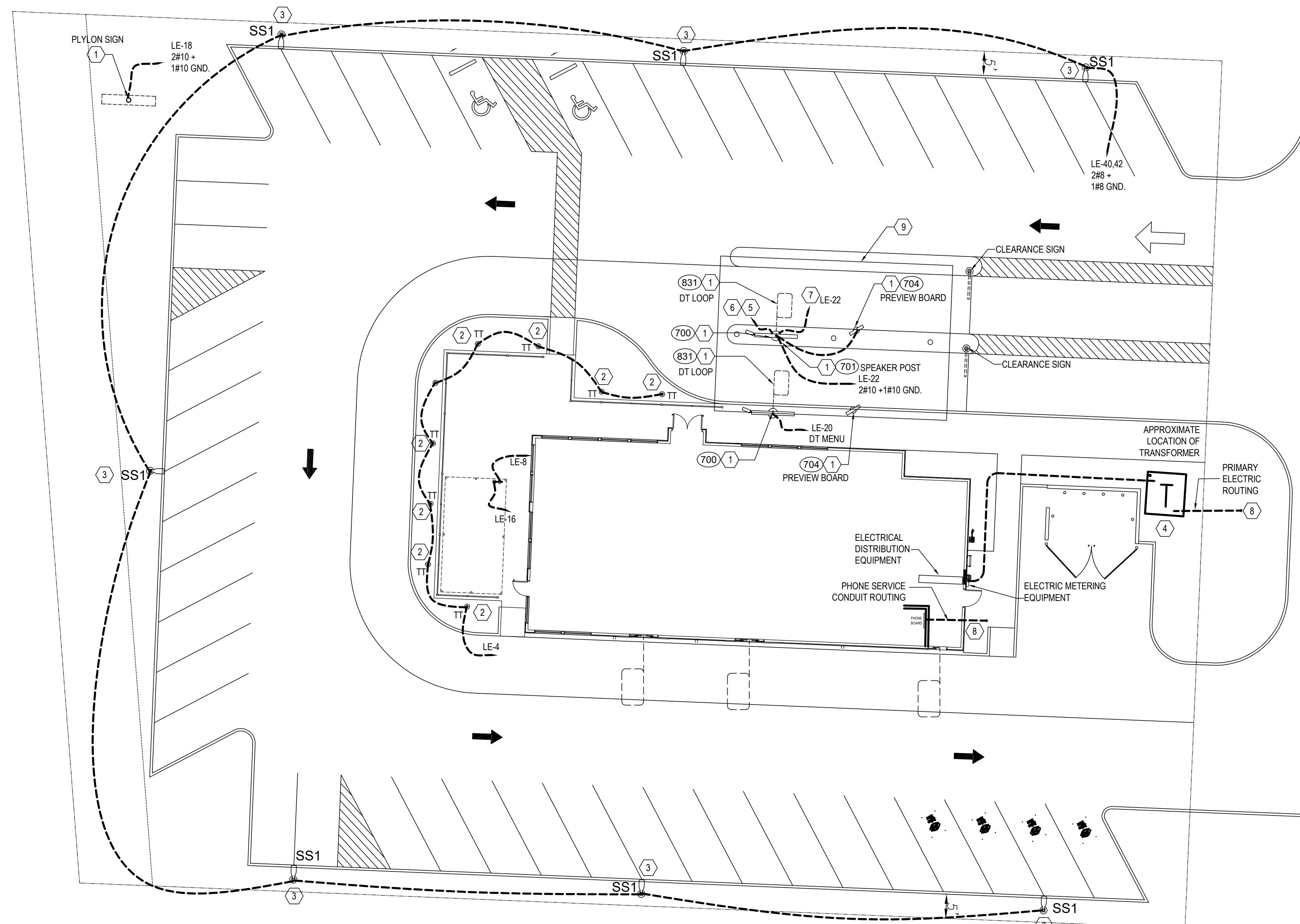
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ELECTRICAL LIGHTING PLAN

SHEET NUMBER:
E2.0

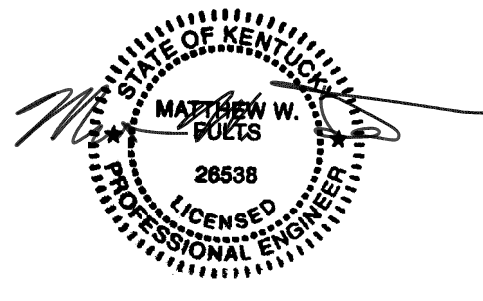
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NOTE:
 PROVIDE ALL ADDITIONAL ELECTRICAL WORK TO MEET STATE AND LOCAL CODES AND AMENDMENTS WITH THE AUTHORITY HAVING JURISDICTION. SHOULD ALL ADDITIONAL WORK OR CHANGES BE REQUIRED, IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PERFORM THIS WORK AT NO COST TO THE OWNER.

NOTE:
 LOCATION OF UTILITY TRANSFORMER AND ROUTINGS OF UNDERGROUND CONDUITS/FEEDERS ASSOCIATED WITH PRIMARY ELECTRIC, SECONDARY ELECTRIC, AND TELEPHONE SERVICE ENTRANCE ARE SUGGESTED ROUTES ONLY. ELECTRICAL CONTRACTOR MUST VERIFY LOCATIONS AND CONDUIT REQUIREMENTS WITH LOCAL UTILITY COMPANIES.

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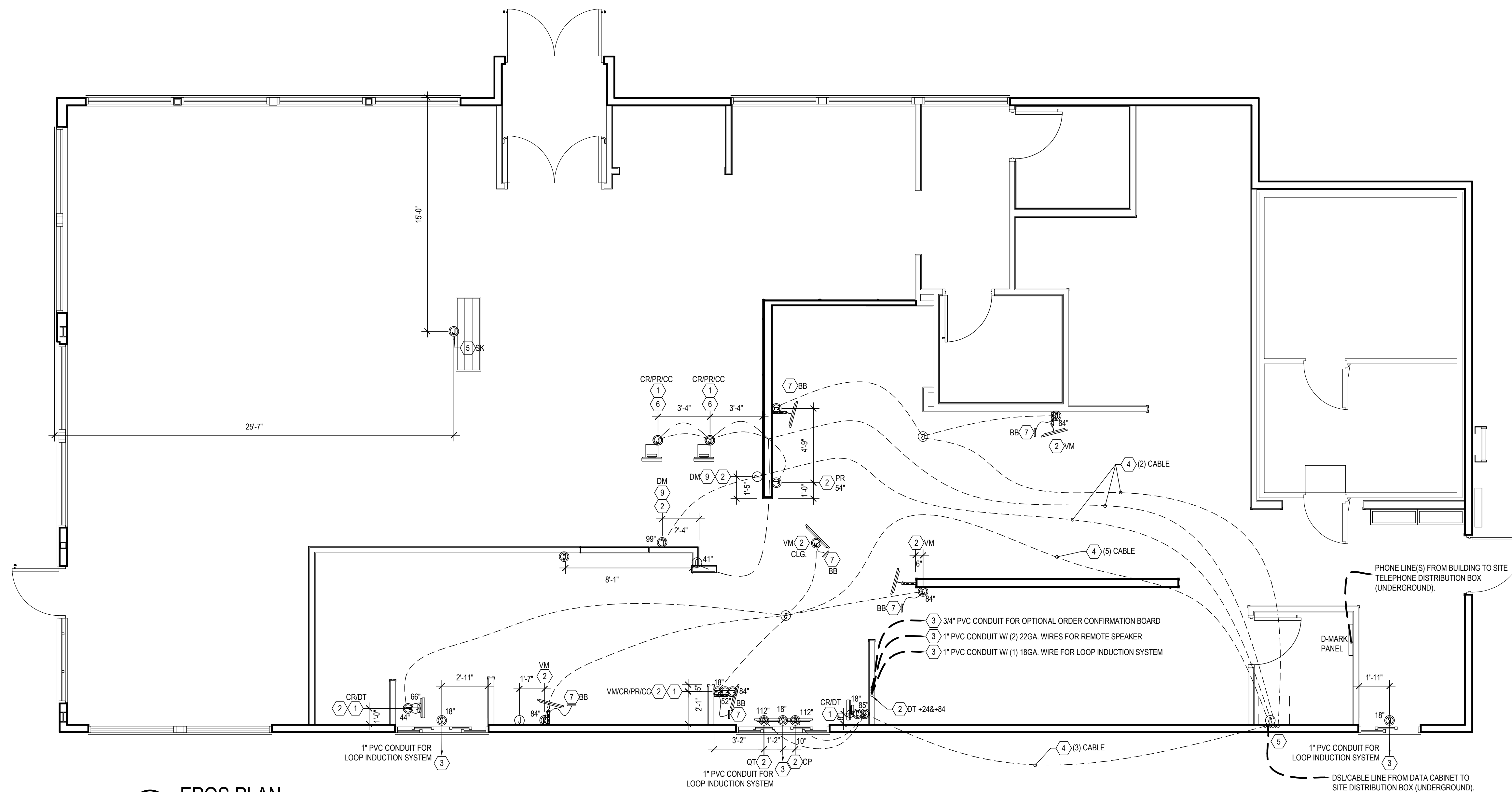
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1 SITE ELECTRICAL PLAN
 A3.0 Not to scale

GENERAL NOTES	
1.	ALL UNDERGROUND CONDUIT SHALL BE 1" SCHEDULE 40. ALL WIRE SHALL BE #10 THWN COPPER UNLESS NOTED OTHERWISE.
2.	PROVIDE GROUND WIRE OF EQUAL SIZE TO HOT AND NEUTRAL CONDUCTORS IN ALL CONDUITS.
KEY NOTES	
①	SEE ARCHITECTURAL PLANS REGARDING THE INSTALLATION OF SIGNS, MENU BOARDS, AND LOOP INDUCTION SYSTEMS. FIELD VERIFY ALL REQUIREMENTS BEFORE ROUGH-IN.
②	DECORATIVE PATIO LIGHTING, SEE LIGHTING FIXTURE SCHEDULE.
③	PARKING LOT LIGHTING - SEE E2 LIGHTING FIXTURE SCHEDULE AND ARCHITECTURAL PLANS DETAIL 6/A1.2. POLE BASES AND MOUNTING.
④	PROPOSED LOCATION OF TRANSFORMER. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY BEFORE BIDDING.
⑤	1" PVC CONDUIT WITH SPEAKER WIRE (LOW VOLTAGE) FROM REMOTE SPEAKER TO J-BOX UNDER CASH REGISTER COUNTER AT DRIVE THRU WINDOW.
⑥	1" PVC CONDUIT WITH LOOP INDUCTION WIRE (LOW VOLTAGE) FROM LOOP TO MENU BD. (FOR ABOVE GROUND CONNECTION) TO J-BOX UNDER CASH REGISTER COUNTER AT DRIVE THRU WINDOW.
⑦	PROVIDE CONDUIT AND POWER FROM DRIVE THRU CANOPY TO ELECTRICAL PANEL, VERIFY REQUIREMENTS WITH MANUFACTURER.
⑧	COORDINATE REQUIREMENTS AND ROUTING/TERMINATION POINTS OF PRIMARY ELECTRIC CONDUITS AND TELEPHONE SERVICE CONDUITS WITH LOCAL UTILITY COMPANIES.
⑨	E.C TO VERIFY ELECTRICAL REQUIREMENTS WITH THE CANOPY SUPPLIER PRIOR TO THE CONCRETE PIERS BEING PLACED.

THIS PLAN WAS DEVELOPED USING THE
 NATIONAL ELECTRICAL CODE 2017

SITE ELECTRICAL PLAN
 SHEET NUMBER:
E3.1



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

SYM	DESCRIPTION
CR	CASH REGISTER
VM	VIDEO MONITOR
J	JUNCTION BOX (SINGLE GANG)
PR	PRINTER
QT	DRIVE-THRU TIMER
TV	TELEVISION
DTCS	DRIVE THRU COMMUNICATIONS SYSTEM
DFP	DIGITAL FEATURE PANEL

SYM	DESCRIPTION
1/2"	(1) OR (2) CAT 6 CABLES
3/4"	(3) OR (4) CAT 6 CABLES
1"	(5) OR (6) CAT 6 CABLES
1 1/4"	(7) OR (8) CAT 6 CABLES

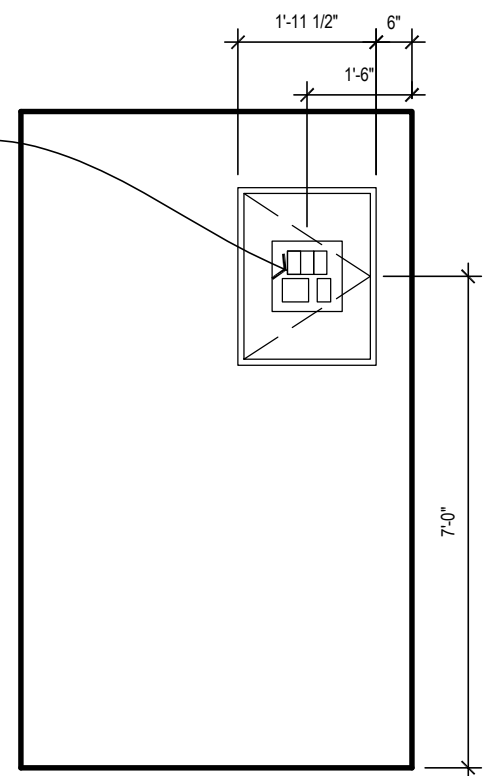
GENERAL NOTES

- ALL CAT 6 CABLE MAY BE PROVIDED AND INSTALLED BY EPOS VENDOR, SEE NATIONAL VENDORS LIST FOR CONTACT INFORMATION. COORDINATE INSTALLATION AND FIXTURES WITH EPOS VENDOR OR BY CONTRACTOR CHOSEN BY FRANCHISEE.
- CABLING AND FIXTURES TO BE SCHEDULED AT END OF EQUIPMENT INSTALLATION TIME FRAME.
- THE ELECTRICAL CONTRACTOR TO PROVIDE ALL CUTTING, TRENCHING, BACK FILLING, AND PATCHING AS MAY BE REQUIRED AND SHALL BE INCLUDED AS PART OF THE ELECTRICAL CONTRACTORS WORK.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CONDUIT, PULL BOXES, JUNCTION BOXES AND PULL STRINGS. ANY QUESTIONS REGARDING LOCATIONS OF JUNCTION BOXES TO BE DIRECTED TO ADQ ARCHITECTURE/CONSTRUCTION DEPARTMENT AT 800.985.6886 EXT. #5.
- VERIFY IF LOCAL CODES REQUIRE A LOW VOLTAGE PERMIT.

KEY NOTES

- ALL MONITOR AND TERMINAL LOCATIONS WILL REQUIRE IN-WALL JUNCTION BOX WITH CONDUIT STUBBED INTO THE CEILING SPACE AND A MINIMUM OF FIVE FEET OF EXCESS CABLE AT EACH END OF RUN. 1 1/2" GROMMETS AT INITIAL CASH REGISTER LOCATIONS.
- THESE MONITORS AND TERMINALS WILL NEED A MINIMUM OF TWO FEET EXCESS CABLE AT EACH END OF RUN.
- PROVIDE 1" CONDUIT WITH (1) 18 GAUGE WIRE AND (2) 22 GAUGE WIRE FROM THE MENU BOARD TO THE VEHICLE DETECTOR AND CENTER MODULE. THE (2) 22 GAUGE WIRES WILL RUN FROM THE SPEAKER POST TO THE CENTER MODULE. THE (1) 18 GAUGE WIRES WILL RUN FROM THE VEHICLE LOOP TO THE VEHICLE DETECTOR THEN TO THE CENTER MODULE.
- CONDUIT TO BE RUN ABOVE CEILING AND DOWN INSIDE WALL TO JUNCTION BOX.
- CONDUIT TO BE RUN BELOW SLAB AND UP THROUGH FLOOR TO JUNCTION BOX.
- CONDUIT TO BE RUN THROUGH COUNTER BASE CABINET AFTER COUNTER INSTALLATION.
- RUN CABLING DOWN FROM CEILING AT BUMP BAR LOCATION(S).
- MOUNT JUNCTION BOX ABOVE CEILING.
- MENU BOARD JUNCTION BOX TO BE INSTALLED HORIZONTAL.

- KNOCK OUT PANEL IN BACK OF CABINET (12"x12"). ALL RECEPTACLES AND JUNCTION BOXES MUST BE INSTALLED WITHIN THIS AREA. ELECTRICAL CONTRACTOR TO PROVIDE THE FOLLOWING AT THIS LOCATION:
- 120V ISOLATED/INSULATED FOURPLEX RECEPTACLE
- 120V CONVENIENCE DUPLEX OUTLET
- (3) OPEN CONDUITS STUBBED UP TO AN ACCESSIBLE AREA ABOVE FINISHED CEILING. CONDUITS TO BE:
- (1) 3/4" FOR TELEPHONE LINES
- (1) 1" FOR SECURITY SYSTEM CABLING
- (1) 1 1/2" FOR EPOS CABLING.



2 ELECTRONIC HARDWARE CABINET ELEV.
SCALE: 1/4" = 1'-0"

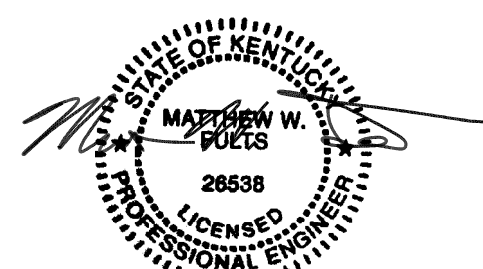
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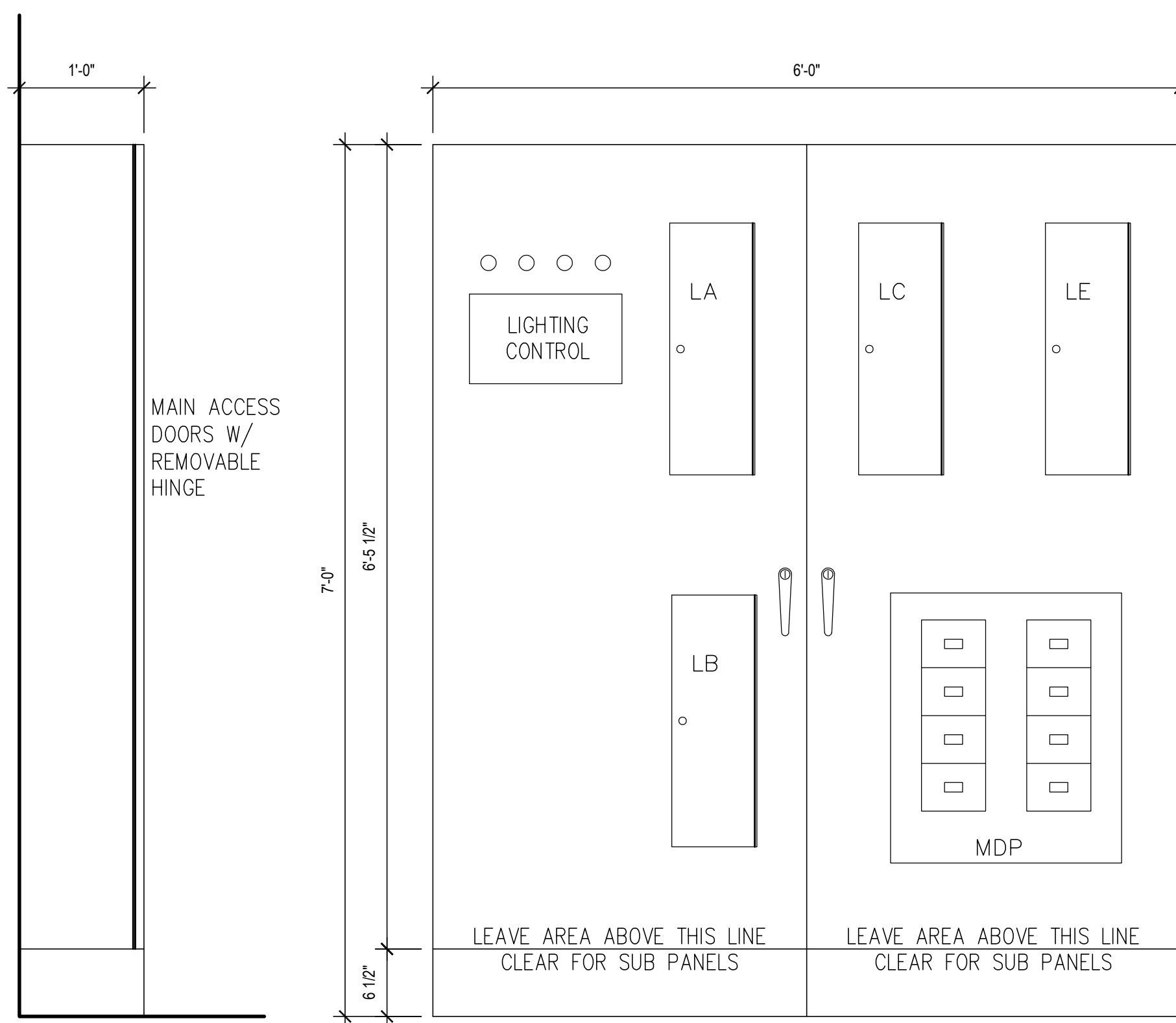
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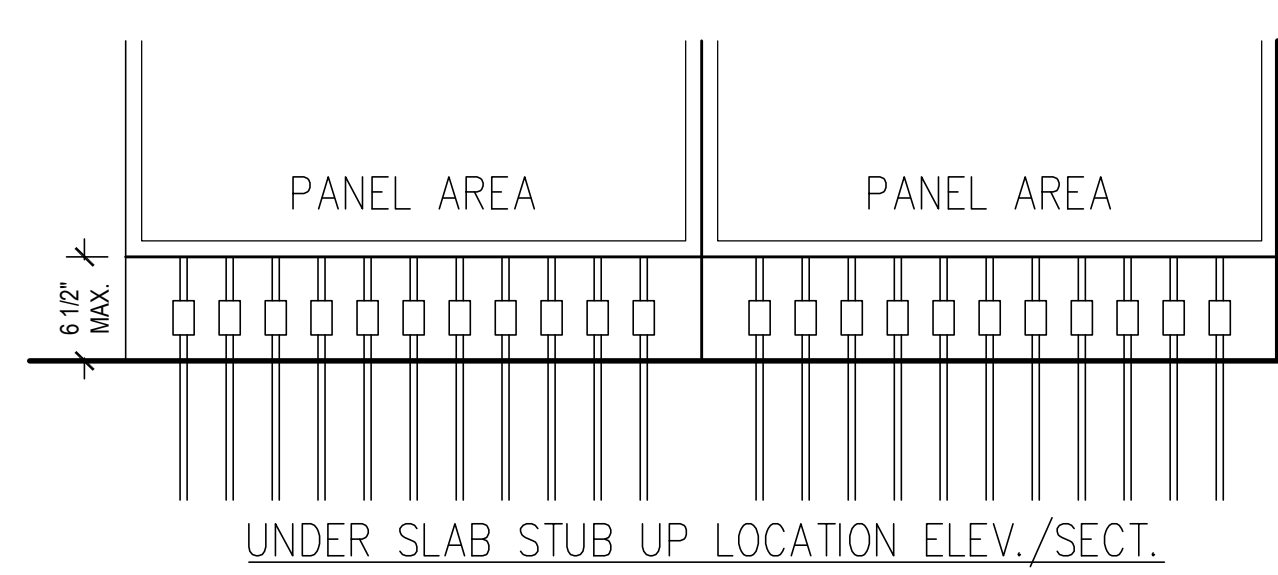
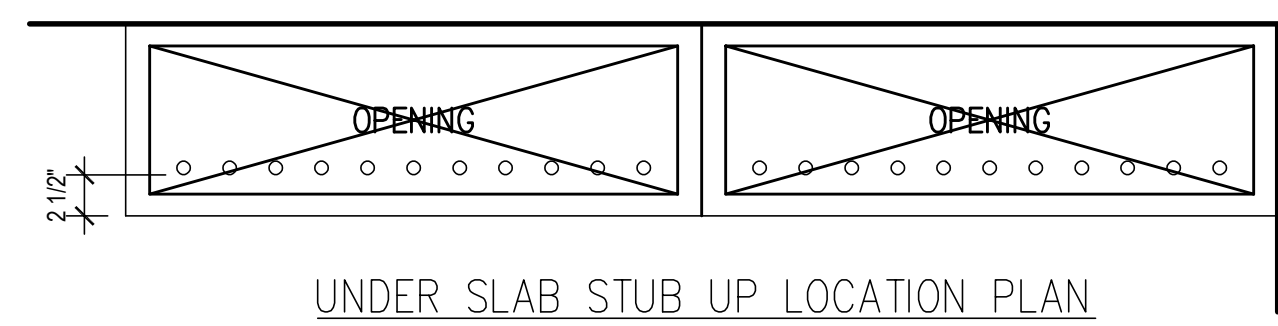
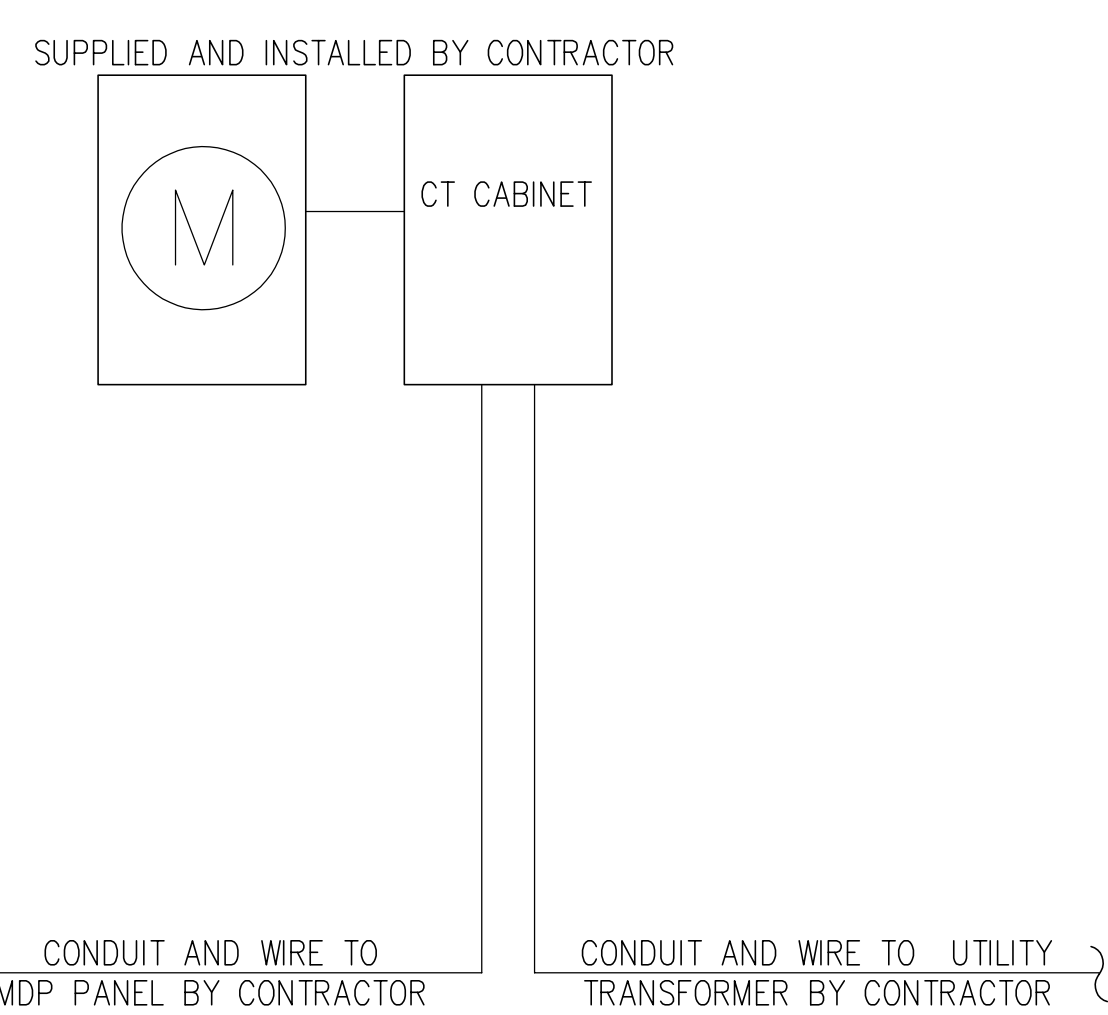
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EPOS PLAN

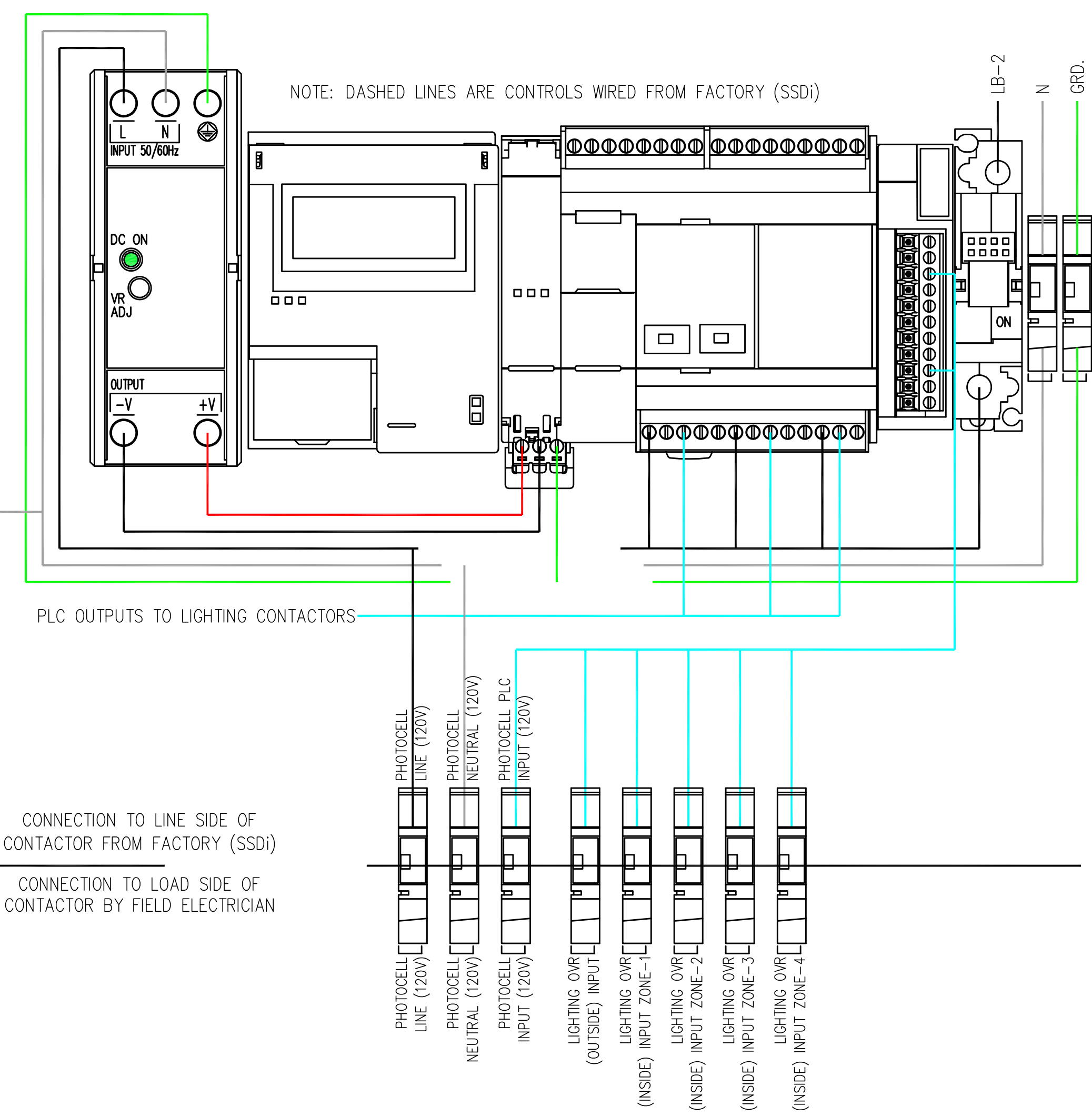
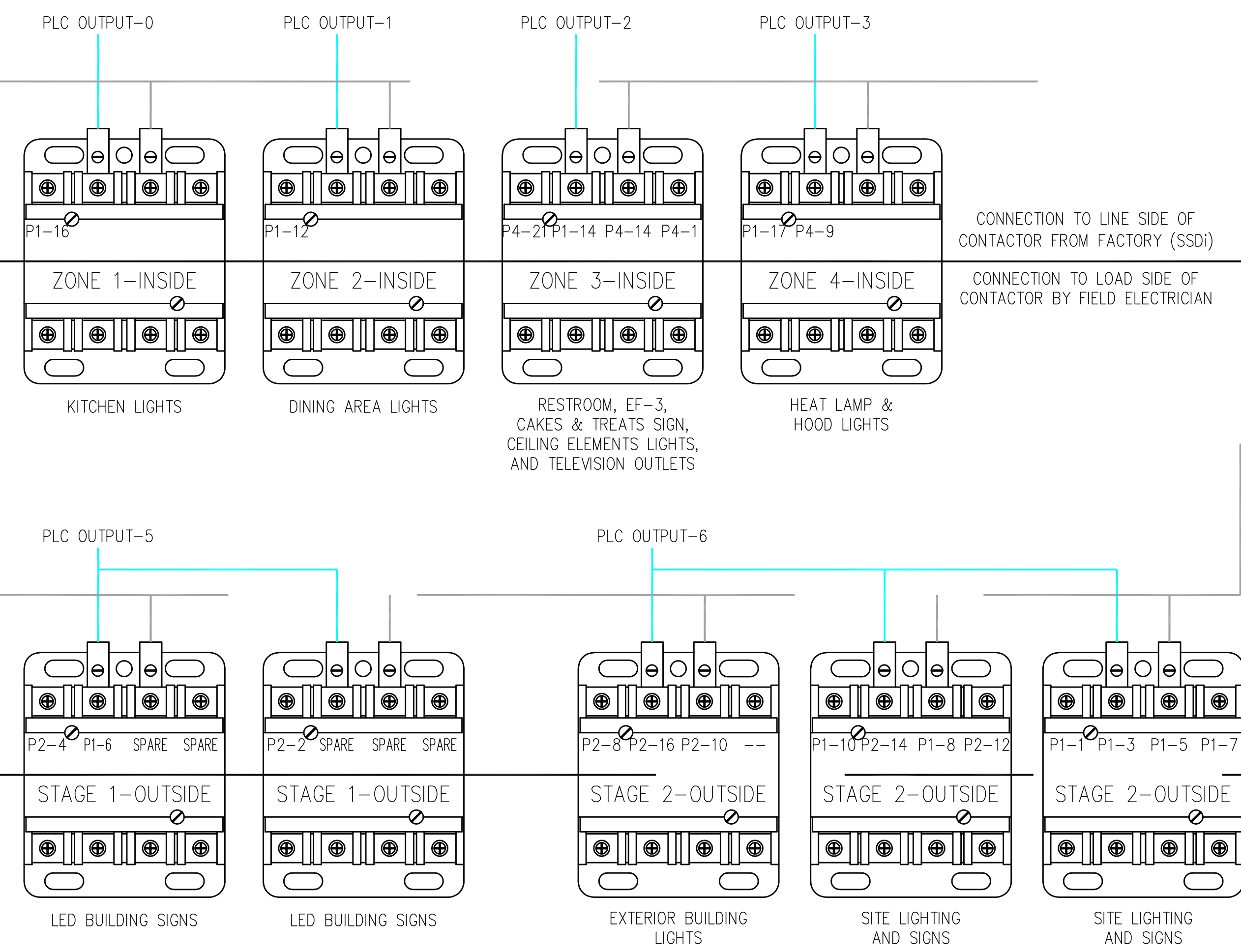
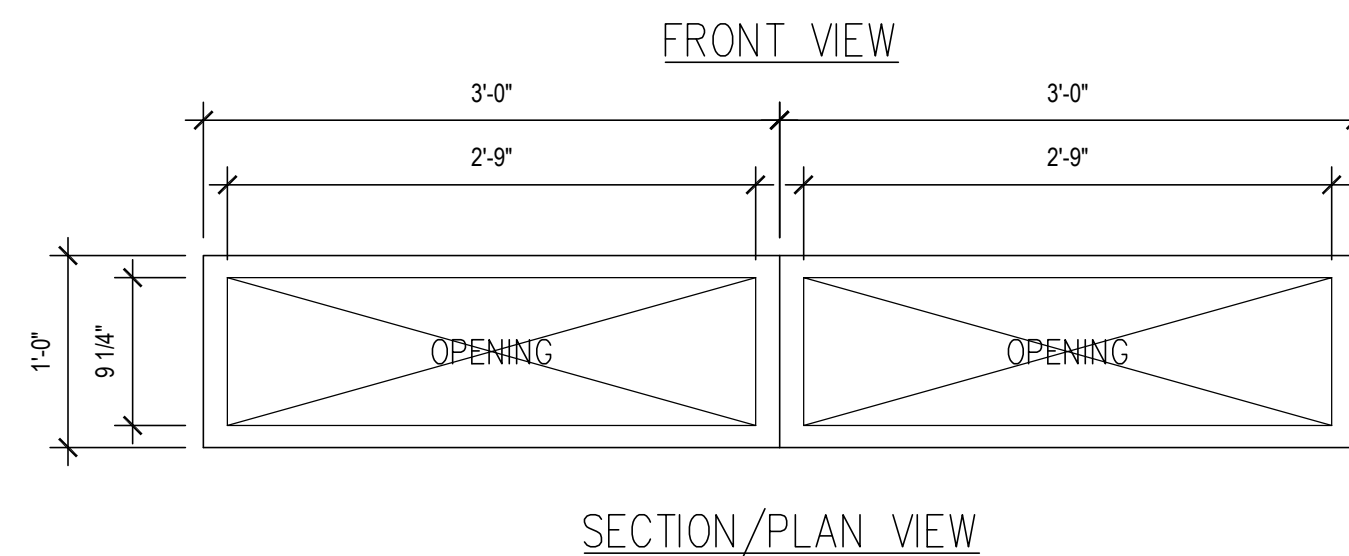
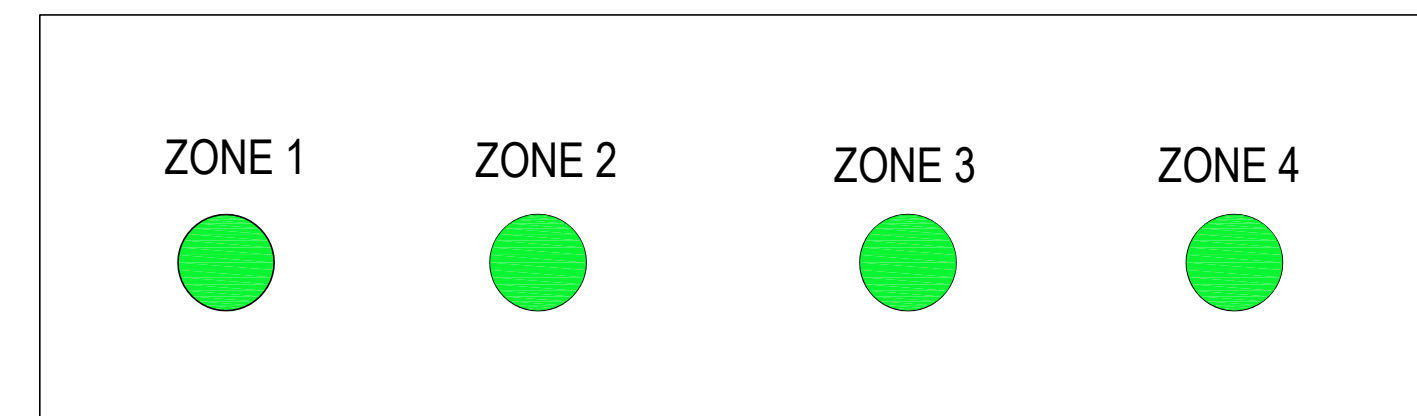
SHEET NUMBER:
E5.0



CAUTION - SERIES COMBINATION SYSTEM RATED 65,000 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.



SSDi ENCLOSURE FRONT DOOR



NOTE: DASHED LINES ARE CONTROLS WIRED FROM FACTORY (SSDi)

CONTRACTOR NOTE:
EQUIPMENT CONDUCTORS
TO BE SIZED ACCORDING TO
THE PANEL SCHEDULE

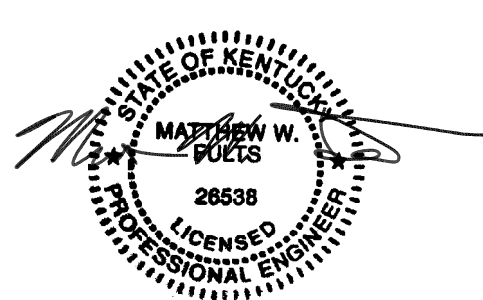
SSDi
Space Saver Distribution, Inc.
P.O. Box 31380
Las Vegas, Nevada 89173

NEW BUILDING FOR:

BY PASS ROAD
BRANDENBURG, KY 40108

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CABINET LAYOUT & LIGHTING CONTROL

SHEET NUMBER:
E6.0



GRILL & CHILL
BY PASS ROAD
BRANDENBURG, KY 40108

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SHANE HAMILTON, P.E.
KENTUCKY LICENSE #31778



KENTUCKY ARCHITECT LICENSE NUMBER 7240

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ISSUE DATE: 07/04/21
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HVAC FLOOR PLAN, NOTES, AND SCHEDULES

SHEET NUMBER: M-1

ATTENTION GENERAL CONTRACTOR:
RE-ENGINEERING DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER...

Table with 3 columns: DATE, DESCRIPTION, BY. Row 1: 07-21-21, FOR CONSTRUCTION, KM

CONTRACTORS NOTES

- 1. THE HVAC CONTRACTOR IS TO FURNISH AND INSTALL THE HOODS, ROOF-TOP UNITS, EXHAUST FANS, DUCTWORK, INSULATION WRAP, DIFFUSERS, SMOKE DETECTORS, AND TEMPERATURE CONTROLS.
2. THE HVAC CONTRACTOR IS TO VERIFY LOCATIONS FOR EF-1, EF-2, AND THE HOODS ON SITE FROM MOST-RECENT KITCHEN EQUIPMENT PLANS...

GENERAL CONTRACTOR
1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE...

2. IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT PLAN AND EXHAUST HOOD PLANS...

3. RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS, MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU...

4. ALL ROOF, CEILING, WALL, AND STRUCTURAL FRAMING REQUIRED FOR UNIT, FAN, DUCT, DIFFUSER, AND ALL OTHER HVAC WORK IS TO BE BY THE G.C. COORDINATE ON SITE WITH HVAC CONTRACTOR...

5. IF NECESSARY THE GENERAL CONTRACTOR IS TO REMOVE, REPLACE, AND/OR REPAIR CEILING GRID AND TILES IN ORDER FOR THE HVAC WORK TO BE PERFORMED.

ELECTRICAL CONTRACTOR
1. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL PITCH POCKETS FOR POWER AND CONTROL WIRING, AND IS TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS...

2. THE ELECTRICAL CONTRACTOR IS TO INSTALL LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING CONTROLS.

3. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL DISCONNECTS FOR RTUS, WIRE THE RESTROOM EXHAUST FAN TO RUN CONTINUOUSLY WHILE THE DINING ROOM LIGHTS ARE ON, AND WIRE HOOD EXHAUST FANS, RTU BLOWERS, AND KITCHEN APPLIANCES PER NFPA96 AND LOCAL CODES.

4. THE ELECTRICAL CONTRACTOR IS TO USE A MINIMUM OF 4"-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.

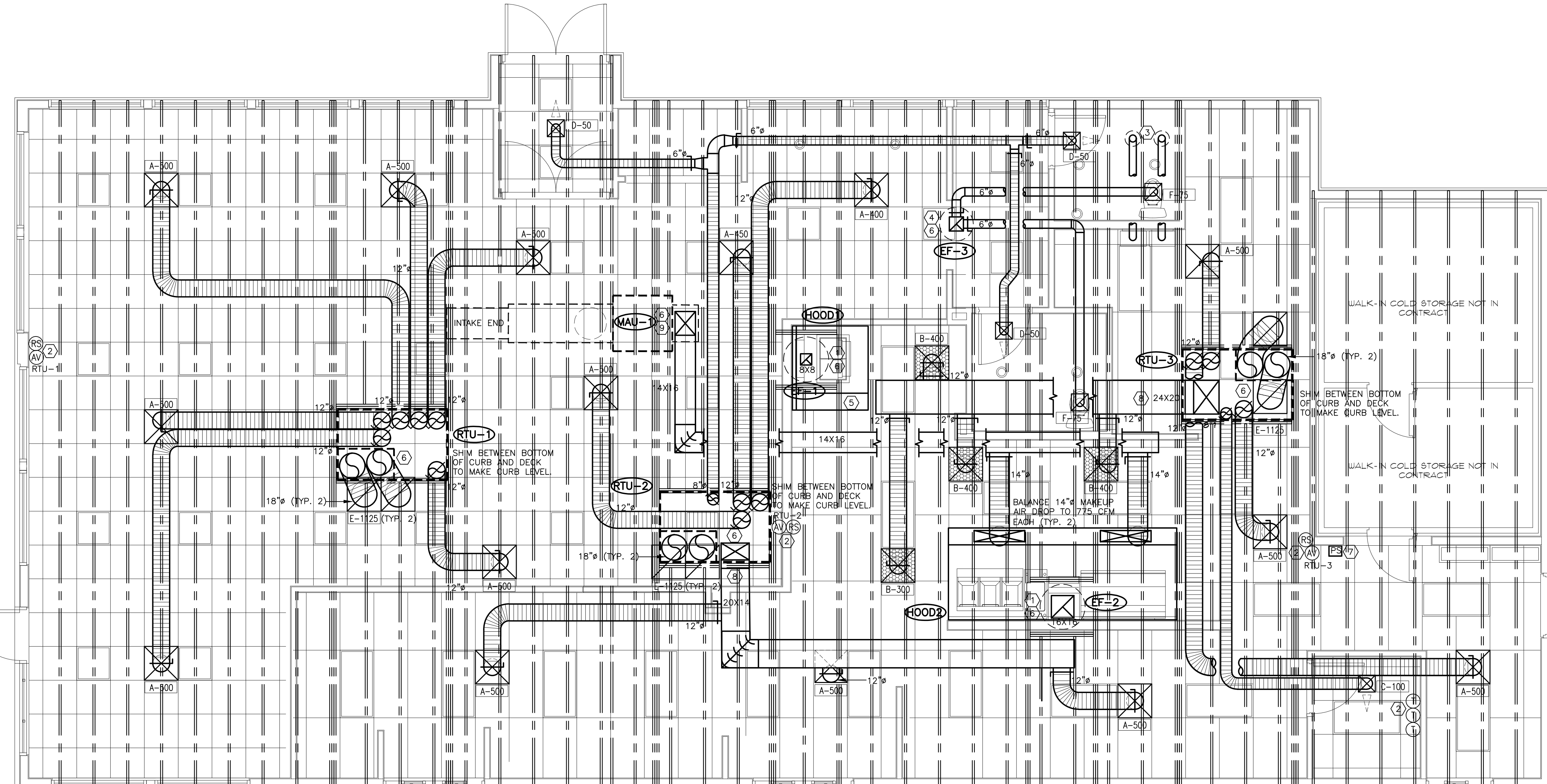
5. FOR EACH UNIT, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ONE SINGLE-GANG RECEPTACLE TEST STATION FOR THE REMOTE SENSOR AND/OR T-STAT, AND ONE DOUBLE-GANG RECEPTACLE TEST STATION FOR THE ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS...

6. ELECTRICAL CONTRACTOR IS TO PROVIDE THREE MARKED (OR EQUIVALENT) FAN-FORCED WALL HEATERS WITH INTEGRAL THERMOSTAT, USE MODEL# WH-G325STD WITH 3KW, 10.8A, AND 200V, COORDINATE LOCATION ON SITE WITH G.C. AND BUILDING CONDITIONS...

PLUMBING CONTRACTOR
1. THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL CONDENSATE DRAINS/GAS PIPING FOR ALL HVAC EQUIPMENT, AND PITCH POCKETS FOR RTU CONNECTIONS...

2. THE PLUMBING CONTRACTOR IS TO COORDINATE PLUMBING VENT STACKS AND WATER HEATER FLUES WITH OUTSIDE AIR INTAKES OF A/C UNITS...

3. THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL FLUE GAS EXHAUST VENT FOR WATER HEATER, MAINTAIN 10'-0" MINIMUM CLEARANCE TO AIR INTAKES, OR PER LOCAL CODE, COORDINATE ON SITE WITH G.C. AND HVAC CONTRACTOR.



FLOOR PLAN - HVAC
SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24" 21920

KEYED NOTES

- 1. PROVIDE TYPE-I GREASE HOOD OVER COOKLINE APPLIANCES WITH SQUARE, 16 GAUGE, BLACK IRON DUCT WELDED LIQUID-TIGHT FROM CONNECTION TO HOOD TO EXHAUST FAN ON ROOF...
2. PROVIDE REMOTE TEMPERATURE SENSOR 66" A.F.F. IN A WALL NEAR LOCATION SHOWN...

PLENUMIZED CURB INSTALLATION NOTES

- 1. CAREFULLY LOCATE AND MARK ROOF CURB LOCATIONS SO THAT DUCT WORK CAN BE INSTALLED IN THE APPROXIMATE LOCATIONS AS SHOWN BY THE FLOOR PLAN...
2. MARK THE EXACT LOCATION OF EACH ROOF CURB. LAY OUT ALL EQUIPMENT LOCATIONS IN ORDER TO MAINTAIN PROPER CLEARANCES...

NCA CONSULTANTS/GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 21920

FAN SCHEDULE

Table with columns: UNIT NUMBER, AREA SERVED, MANUFACTURER, MODEL, CFM, STATIC PRESSURE, FAN HORSEPOWER, DRIVE, RPM, ELECTRICAL V/ø/HZ, NCA CURB LXXWH, ACCESSORIES. Includes rows for EF-1, EF-2, MAU-1, EF-3.

AIR DEVICE SCHEDULE

Table with columns: SYM., SIZE, TYPE, DUCT SIZE, MODEL#, FINISH, BOOT SIZE, OPENING SIZE, QTY. Includes rows for A, B, C, D, E, F.

AIR BALANCE SCHEDULE

Table with columns: TAG, SUPPLY AIR, OUTSIDE AIR, RETURN AIR, EXHAUST AIR, BLDG. PRESSURE, % OUTSIDE AIR. Includes rows for RTU-1, RTU-2, RTU-3, MAU-1, EF-1, EF-2, EF-3, TOTAL.

PACKAGE ROOFTOP UNIT SCHEDULE (RTU-1,2,3)

Table with columns: TAG, MANUFACTURER, MODEL, LOCATION, CURB DIMENSIONS, TYPE OF HEAT, TOTAL COOLING CAPACITY, SENSIBLE COOLING CAPACITY, ENTERING AIR CONDITIONS, AMBIENT AIR DB TEMPERATURE, SUPPLY AIR, OUTSIDE AIR, EXTERNAL STATIC PRESSURE, BHP, E.E.R., GAS INPUT, GAS OUTPUT, UNIT WEIGHT, ELECTRICAL REQUIREMENT, MINIMUM CIRCUIT AMPERAGE, MAXIMUM OVER CURRENT PROTECTION. Includes row for RTU-1,2,3.

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ELECTRICAL CONTRACTOR AND PLUMBING CONTRACTOR WILL PROVIDE PITCH POCKETS FOR HVAC EQUIPMENT CONNECTIONS. DO NOT PENETRATE BOTTOM OF FAN OR RTU CURB.

NOTE: FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED. FOR ORDERING INFORMATION REFER TO THE NCA HVAC EQUIPMENT PACKAGE NOTE, SHEET M-1.

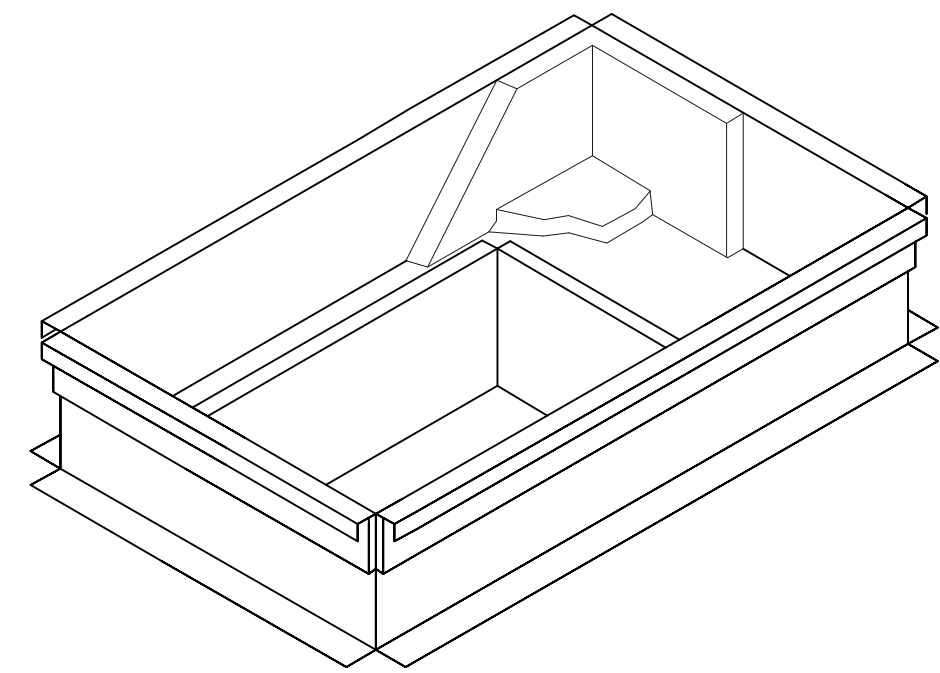
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DATE	DESCRIPTION	BY
07-21-21	FOR CONSTRUCTION	KM

NEW BUILDING FOR:

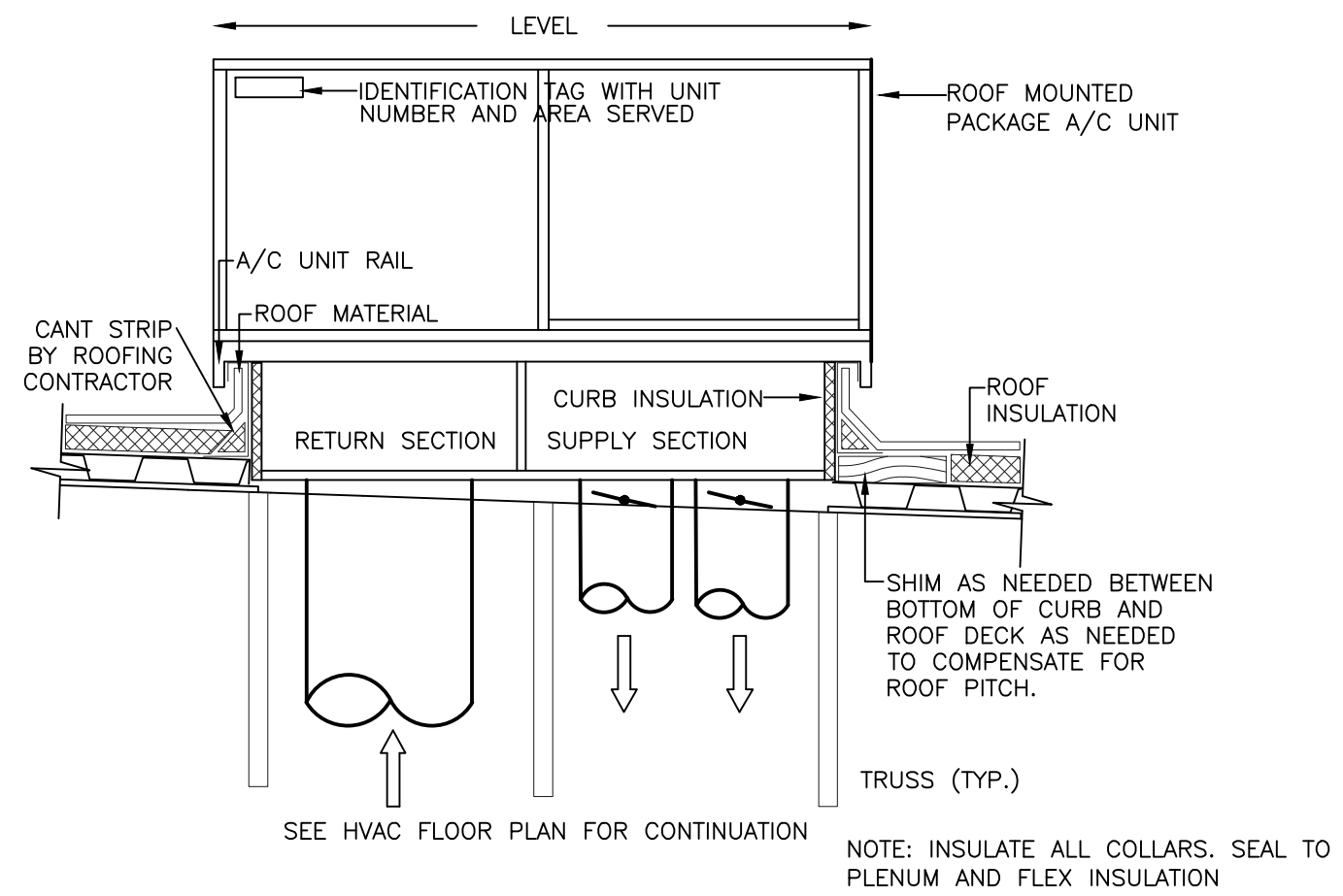


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BY PASS ROAD
BRANDENBURG, KY 40108

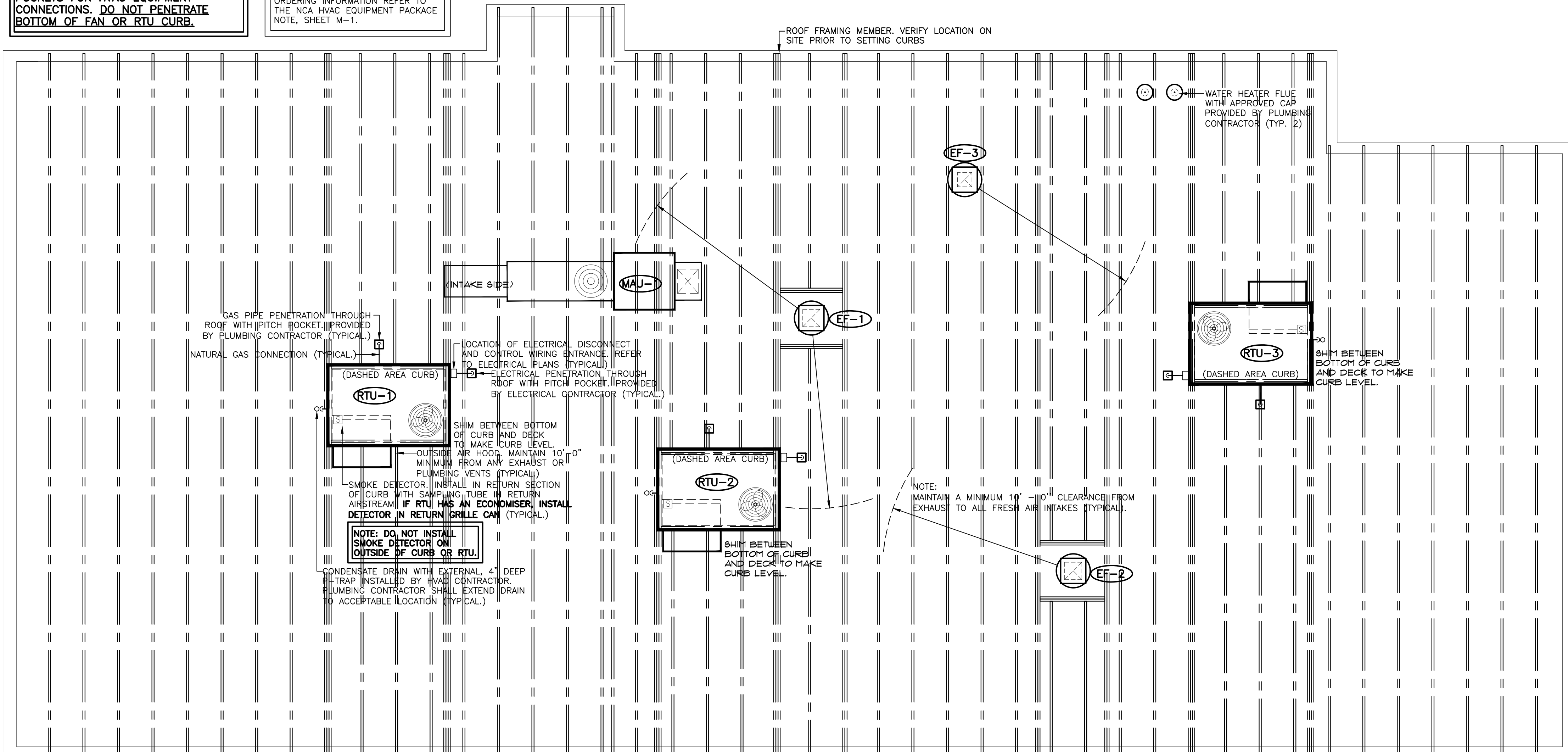
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FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
NCA PLENUMIZED AC CURB DETAIL
NOT TO SCALE



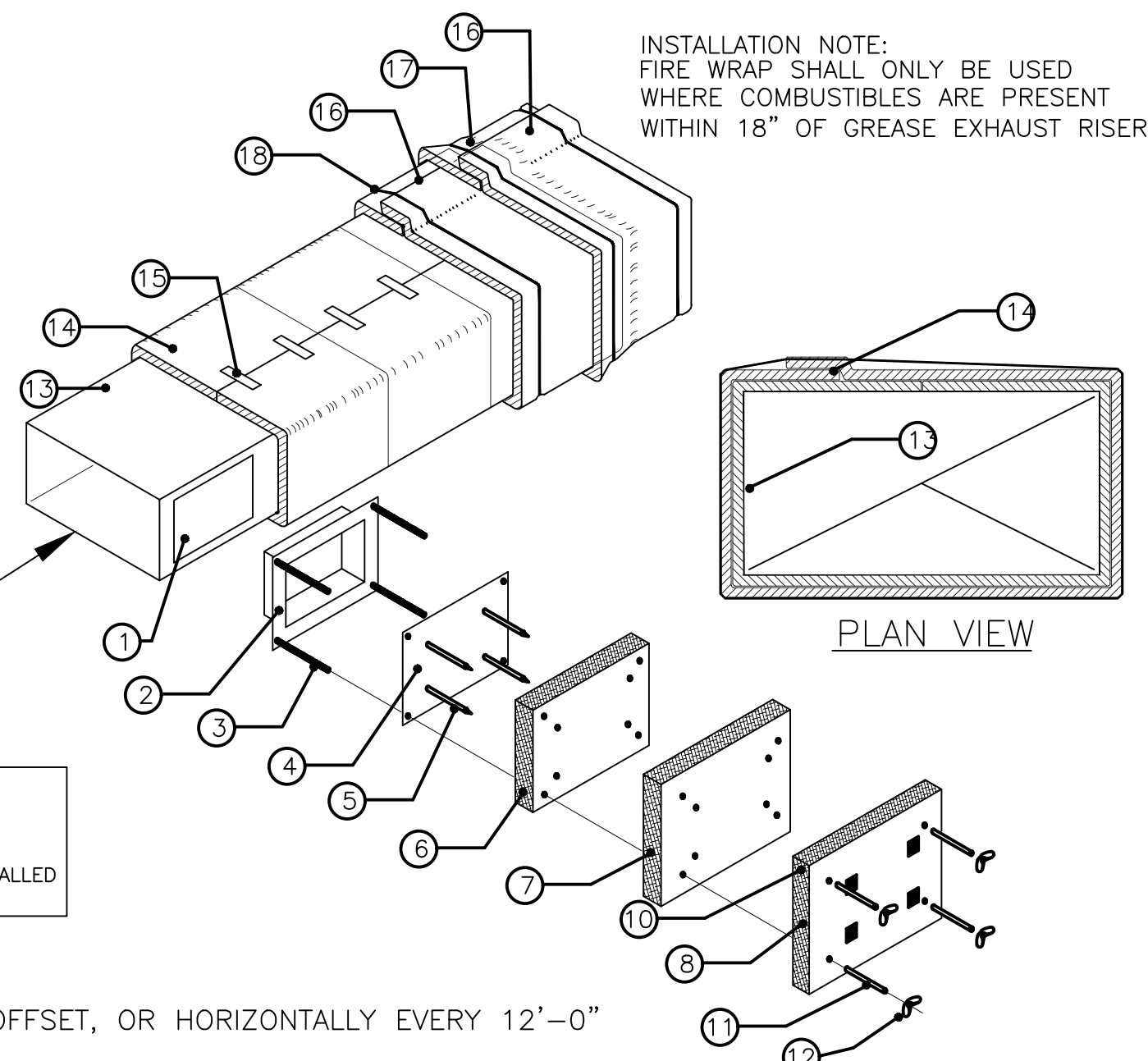
DUCT RISER/LEVELING DETAIL
NOT TO SCALE



ROOF PLAN - HVAC
SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"

- NOTES:
- BANDING MATERIAL, 3/4" WIDE, MINIMUM 0.015" THICK, CARBON STEEL FOR CONSTRUCTION REQUIREMENTS OF ZERO CLEARANCE TO COMBUSTIBLES OR 1 HR. RATINGS. STAINLESS STEEL BANDING IS USED FOR 2 HR. REQUIREMENTS.
 - 3M FIRE BARRIER DUCT WRAP 615+, 1-1/2" THICK, 24" OR 48" WIDE, 300' STANDARD LENGTH (2 LAYERS) 6 LBS PER CUBIC FT TO BE UTILIZED.
 - HOLD INTERIOR WRAP OF INSULATION USING 1" WIDE FILAMENT TAPE (NO. 898) MANUFACTURED BY 3M COMPANY.
 - SEAL CUT EDGES OF BLANKET WITH ALUMINUM FOIL TAPE.

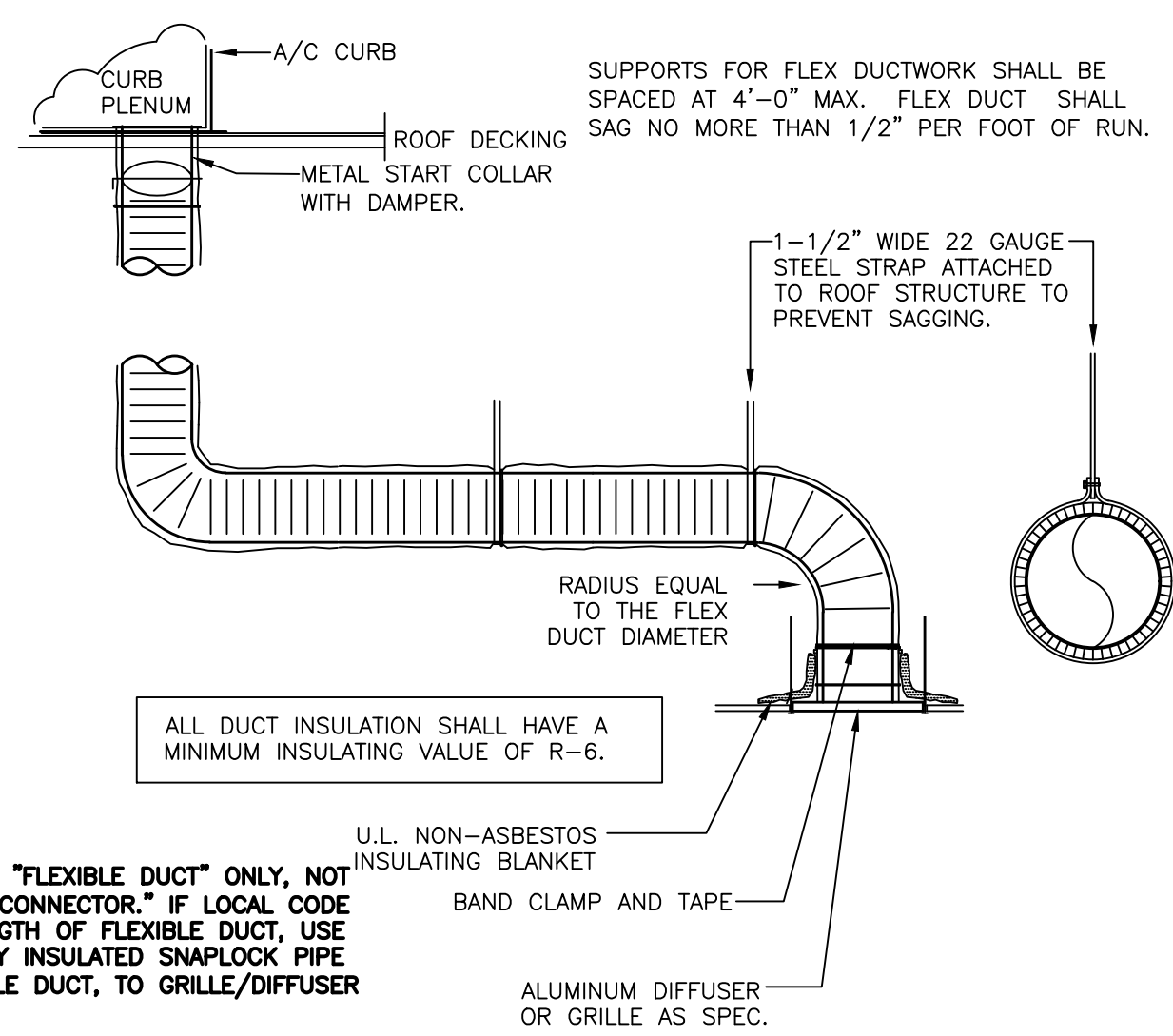
LEGEND	
1	DOOR HOLE
2	ACCESS FRAME WELDED TO DUCT
3	1/4" DIA. ALL THREAD RODS
4	ACCESS COVER; 16 GA.
5	INSULATION PINS; WELDED
6	1 3M FIRE BARRIER 615 PLUS
7	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
8	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
9	SPEED CLIPS
10	ALUMINUM TAPE EDGES
11	SPOOL PIECES FOR THREADED RODS
12	1/4" DIA. WING NUTS
13	16 GA. SHEET METAL DUCT (FULLY WELDED WATER TIGHT)
14	1ST LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS LONGITUDINAL JOINT BUTT OR MIN. 3" OVERLAP ON INNER LAYER, MIN. 3" OVERLAP ON OUTER LAYER
15	3/4" (19mm) WIDE FILAMENT TAPE
16	2ND LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS OR APPROVED EQUIVALENT
17	3" MINIMUM PERIMETER OVERLAP - TYP.
18	STEEL BANDING 1/2" WIDE MIN. TYP. FOR PERMANENT FASTENING



FULLY WELDED GREASE RATED EXHAUST DUCT. SEE SIZE ON PLAN. RISER SHALL BE LIGHT INSPECTED LAYING ON FLOOR. FULLY PREPARE FOR SCHEDULED INSPECTION. HVAC CONTRACTOR SHALL VERIFY TEST PRIOR TO SCHEDULE. THE USE OF U.L. LISTED PREFABRICATED DUCT BY CAPTIVE AIR INSTALLED CORRECTLY MAY BE EXEMPT FROM LIGHT INSPECTION IF USED.

NOTE: ACCESS DOOR NOT REQUIRED UNLESS OFFSET, OR HORIZONTALLY EVERY 12'-0"

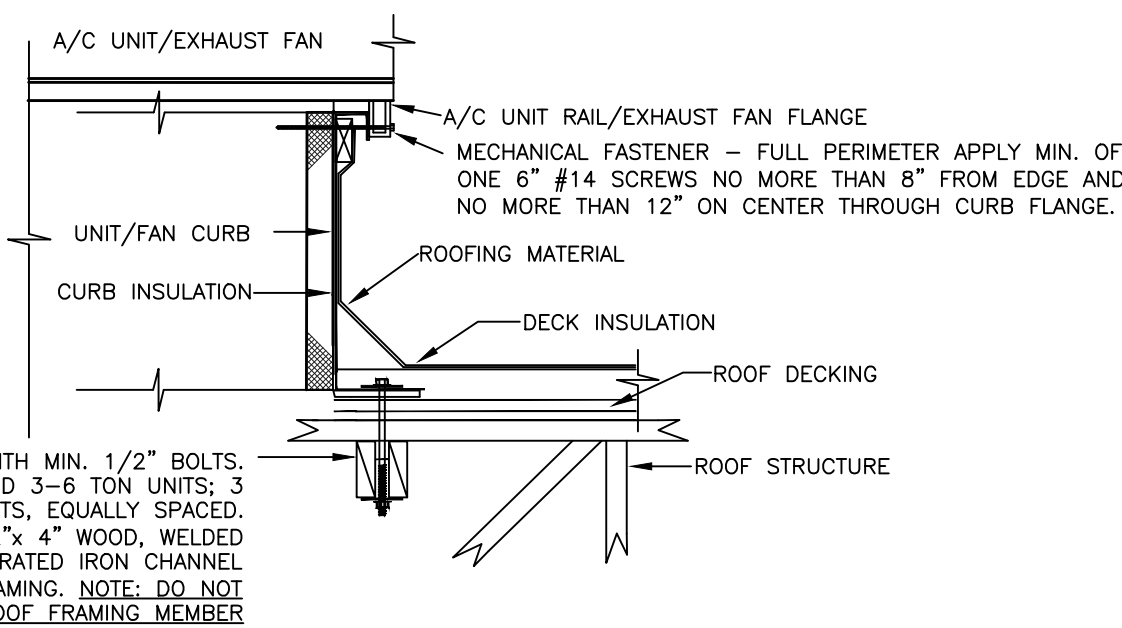
1 HR. FIRE WRAP ("0" CLEARANCE) TO COMUSTIBLES - INSTALLATION DETAIL
NOT TO SCALE



NOTE: USE "FLEXIBLE DUCT" ONLY, NOT "FLEXIBLE CONNECTOR." IF LOCAL CODE LIMITS LENGTH OF FLEXIBLE DUCT, USE EXTERNALLY INSULATED SNAPLOCK PIPE TO FLEXIBLE DUCT, TO GRILLE/DIFFUSER

DUCT SUPPORT
SUPPORT DUCTWORK WITH 1-1/2" WIDE 22 GAUGE STEEL STRAPS FIRMLY ATTACHED TO THE BUILDING STRUCTURE. SPACING SHALL BE MAXIMUM 10'-0" FOR RIGID DUCTWORK, AND MINIMUM 4'-0" FOR FLEXIBLE DUCTWORK. 12 GAUGE WIRE MAY BE SUBSTITUTED FOR STRAPS IF 1-1/2" WIDE 22 GAUGE STEEL SADDLES ARE USED TO FULLY ENIRCLE DUCT. REFER TO THE HVAC DUCT CONSTRUCTION STANDARDS PUBLISHED BY SMACNA FOR ADDITIONAL DETAILS. FULLY COMPLY WITH MECHANICAL CODES.

DUCT SCHEDULE	
SIZE	GAUGE
6"ø - 8"ø	28
10"ø - 12"ø	26
14"ø - 16"ø	24
18"ø - 20"ø	22



ACCEPTABLE FOR 140 MPH ZONE
VERIFY ON SITE WITH GENERAL CONTRACTOR
ROOF EQUIP. CURB MOUNTING DETAIL
NOT TO SCALE

RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE

HVAC SYSTEM
NCA
CONSULTANTS / GROUP
6510 N. 125TH AVENUE, SUITE #1001
LARGO, FLORIDA
PHONE: (877) 530-0078
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ISSUE DATE: 07/04/21
REVISION DATE: 07/04/21 ORIGINAL ISSUE

HVAC ROOF PLAN AND HVAC DETAILS

SHEET NUMBER:

HOOD INFORMATION - JOB#4977262

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA			CFM	VEL	SP	END TO END
1	Broiler	5424 ND-2	CAPTIVEAIRE	4' 0"	600 DEG	1	HEAVY	175	700	8"	8"	4"	700	1575	-0.500"	0	430 SS WHERE EXPOSED	ALONE	ALONE
2	Fryer/Griddle	5424 ND-2-PSP-F	CAPTIVEAIRE	13' 6"	600 DEG	1	HEAVY	207	2800	16"	16"	4"	2800	1575	-1.078"	1550	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)		EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)		UTILITY CABINET(S)		FIRE SYSTEM PIPING	HOOD HANGING WEIGHT						
			QTY	HEIGHT			LENGTH	TYPE	SIZE	FIRE SYSTEM			ELECTRICAL	SWITCHES				
1	Broiler	CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	ANSUL R102	3.0/3.0/3.0				YES	505 LBS
2	Fryer/Griddle	CAPTRATE SOLO FILTER	10	16"	16"	85% SEE FILTER SPEC	6	RECESSED ROUND	NO								YES	706 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Broiler	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 122.00" HIGH X 97.00" LONG 430 SS VERTICAL.
		RIGHT SIDESPLASH 122.00" HIGH X 72.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		INSULATION FOR TOP OF HOOD.
		INSULATION FOR BACK OF HOOD.
2	Fryer/Griddle	RISER SENSOR INSTALL 6IN PLEN.
		LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		RIGHT WALL AS END PANEL.
		FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 120.00" HIGH X 201.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
2	Fryer/Griddle	Front	162"	12"	6"	MUA	8"	36"	774	0.196"
							8"	36"	774	0.196"

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

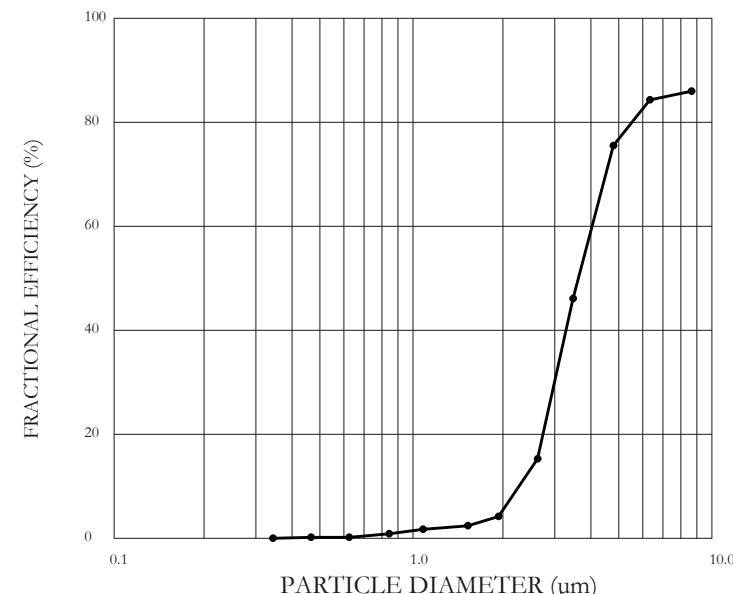
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

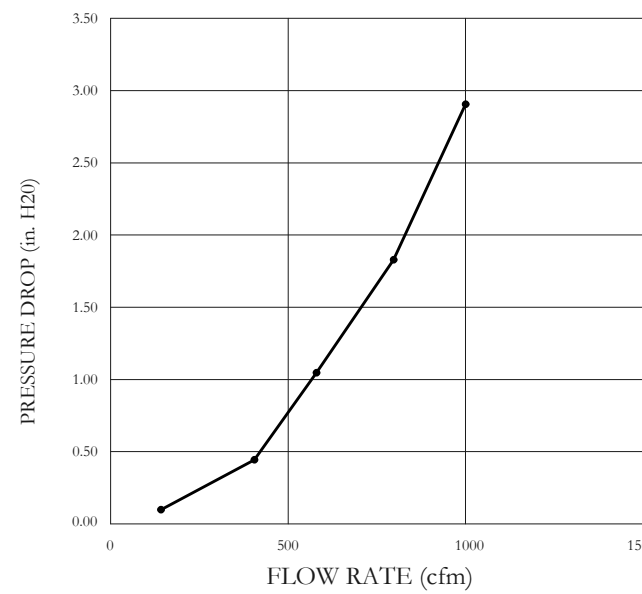
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

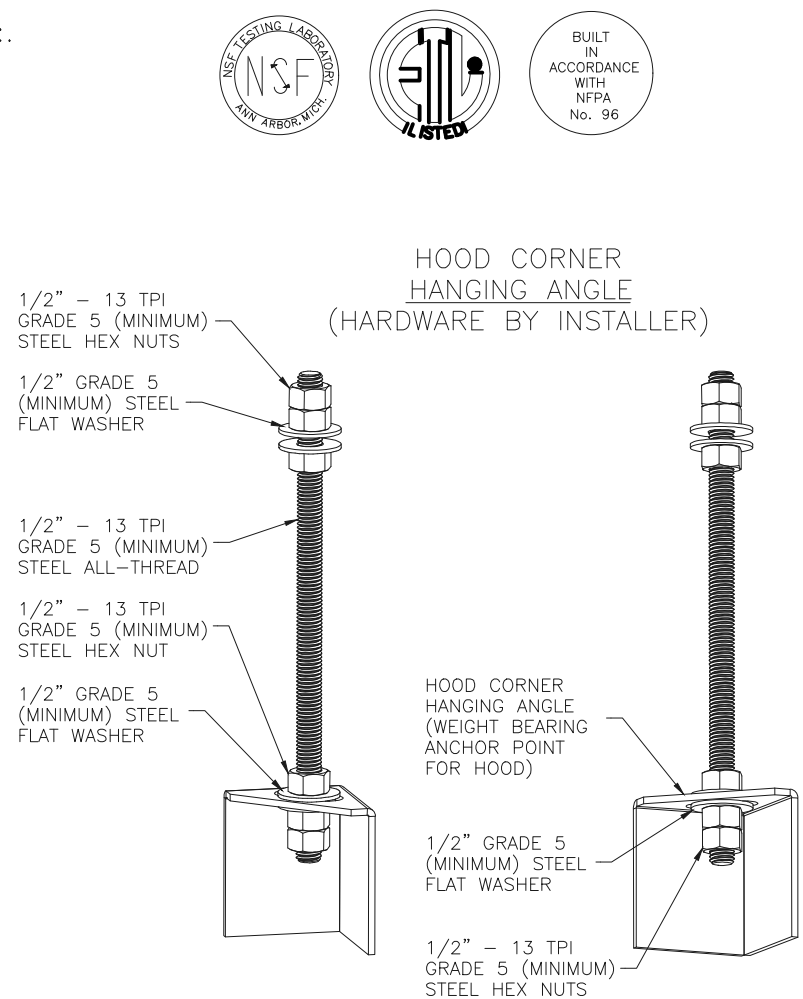
EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



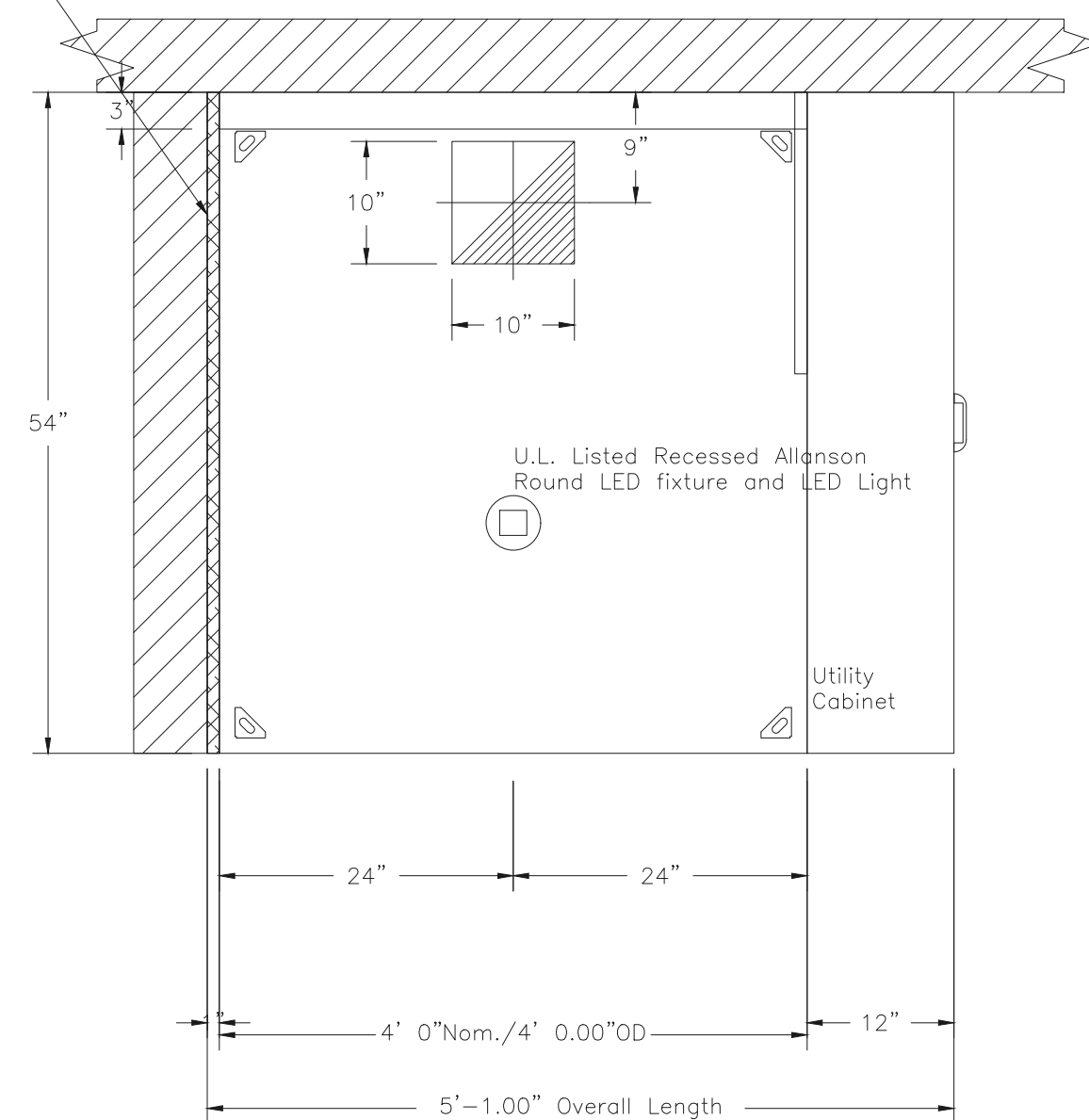
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 NSF STANDARD #2
 UL STANDARD #1046
 INT. MECH. CODE (IMC)
 ULC-S649



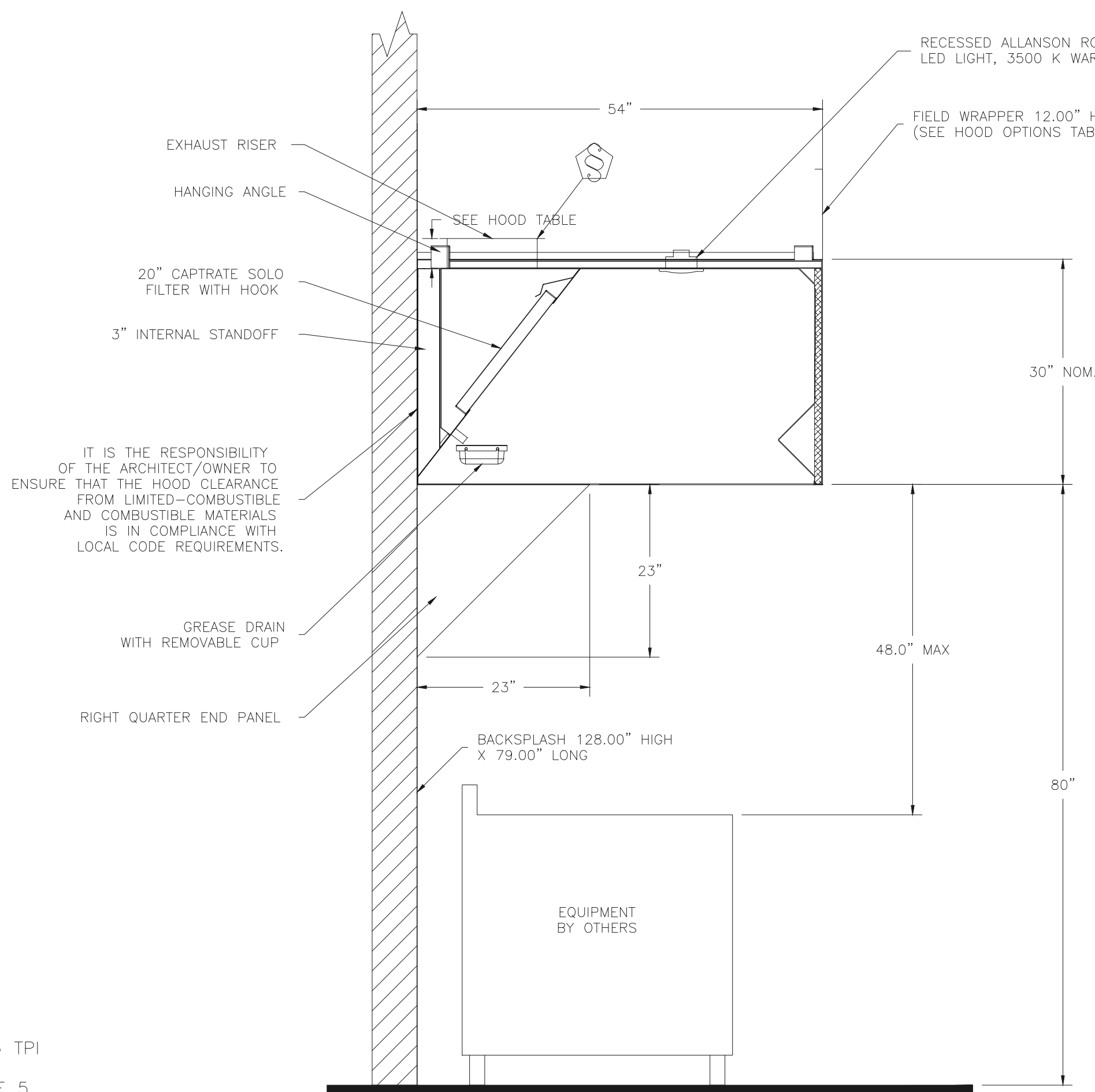
ASSEMBLY INSTRUCTIONS

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.

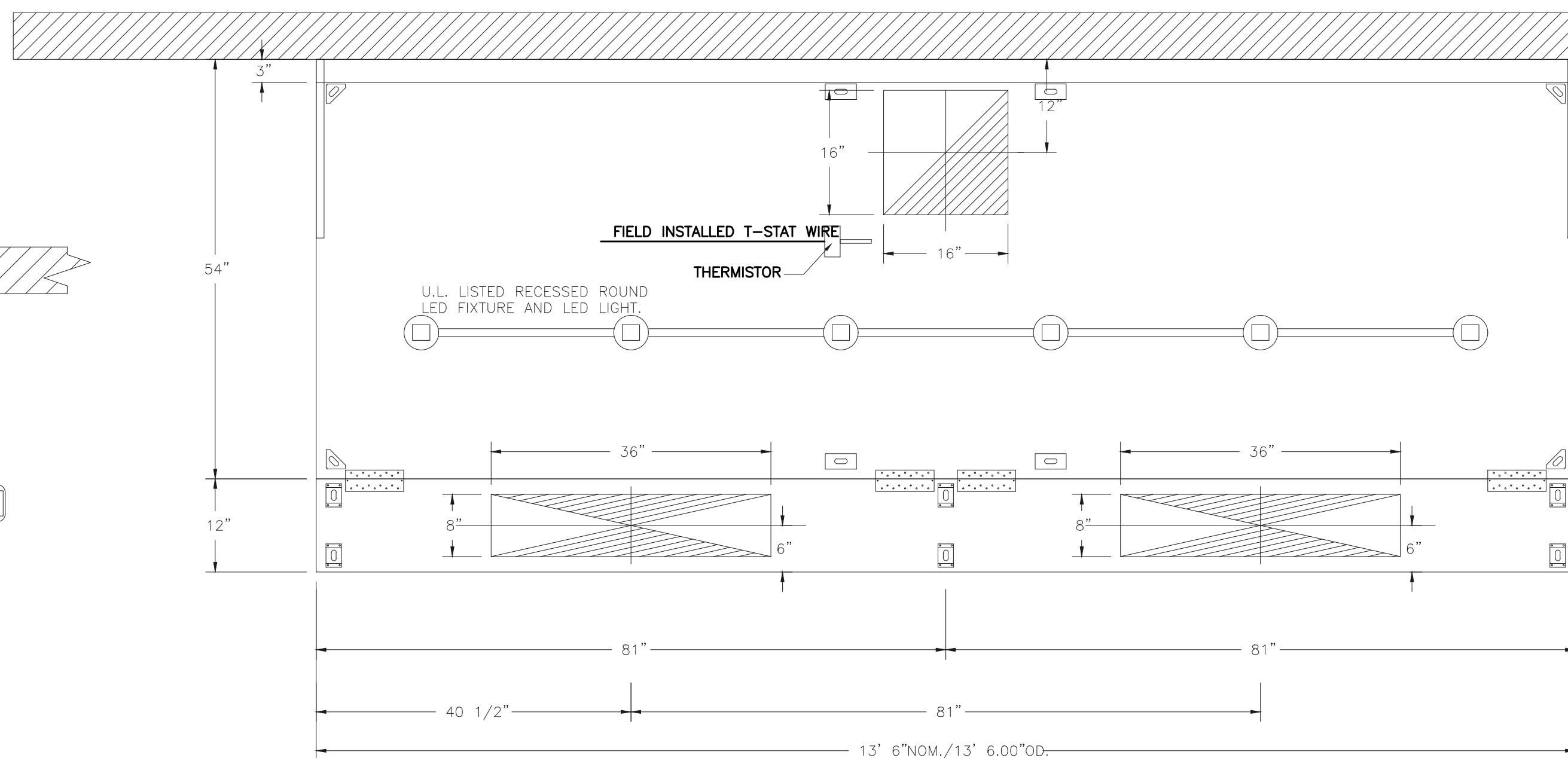
1" LAYER OF INSULATION FACTORY INSTALLED IN 1.00" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.



PLAN VIEW - Hood #1 (Char)
4' 0.00" LONG 5430ND-2

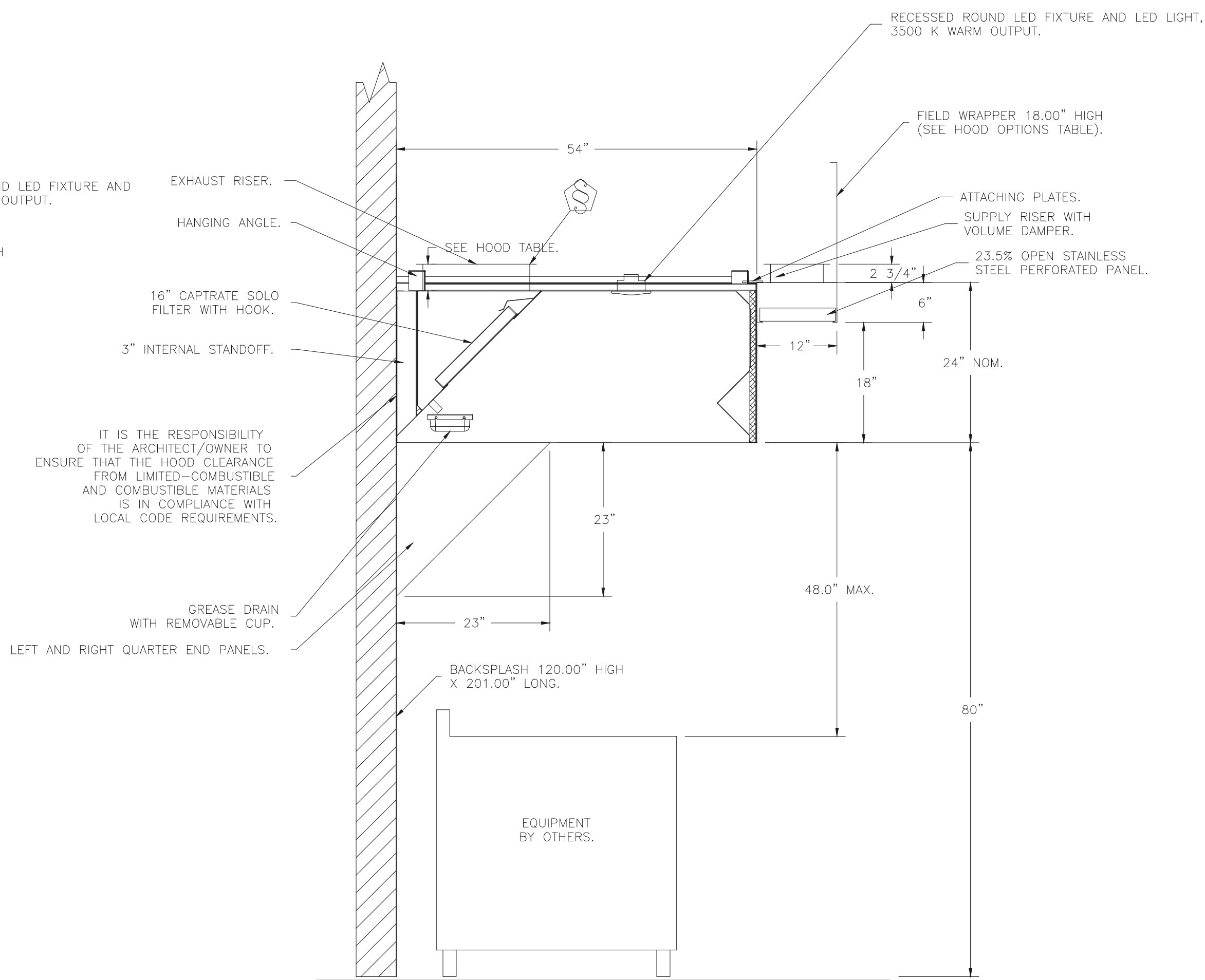


SECTION VIEW - MODEL 5430ND-2
HOOD - #1 (Char)



PLAN VIEW - HOOD #2 (Fryer/Griddle)
13' 6.00" LONG 5424ND-2-PSP-F

NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

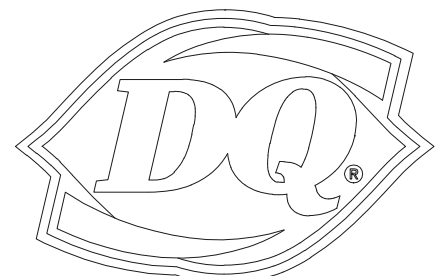


SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #2 (Fryer/Griddle)

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GRILL & CHILL
 BY PASS ROAD
 BRANDENBURG, KY 40108

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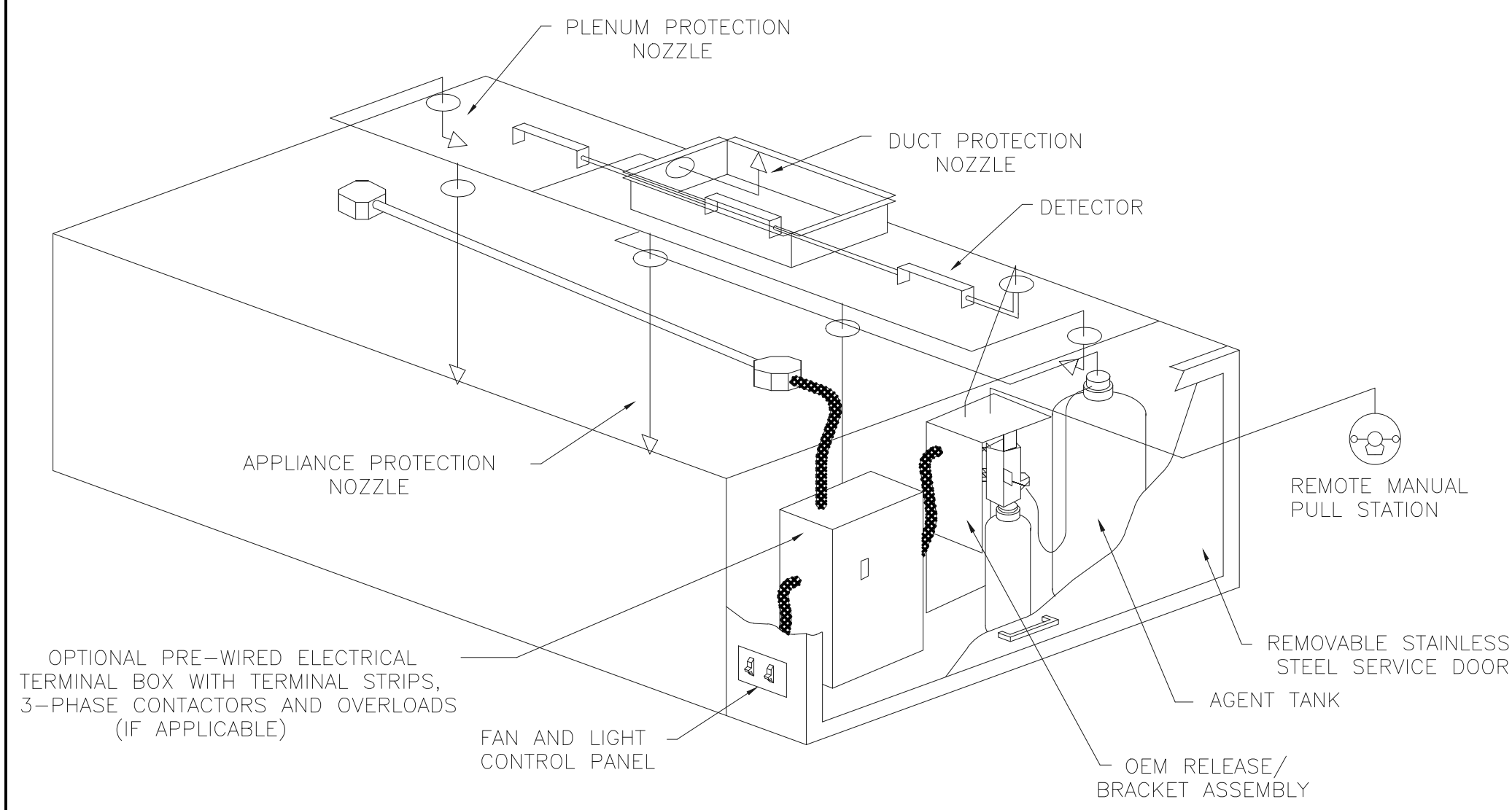
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HOOD DETAILS

SHEET NUMBER:

HVAC SYSTEM
NCA
 CONSULTANTS / GROUP
 6510 N. 125TH AVENUE, SUITE #1001
 LARGO, FLORIDA
 PHONE: (877) 530-0078
 CALL NCA MARKETING FOR PRICING
 NCA JOB# 21920



TYPICAL ANSUL R-102 SYSTEM LAYOUT

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
 EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

NOTES

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.

NOTES

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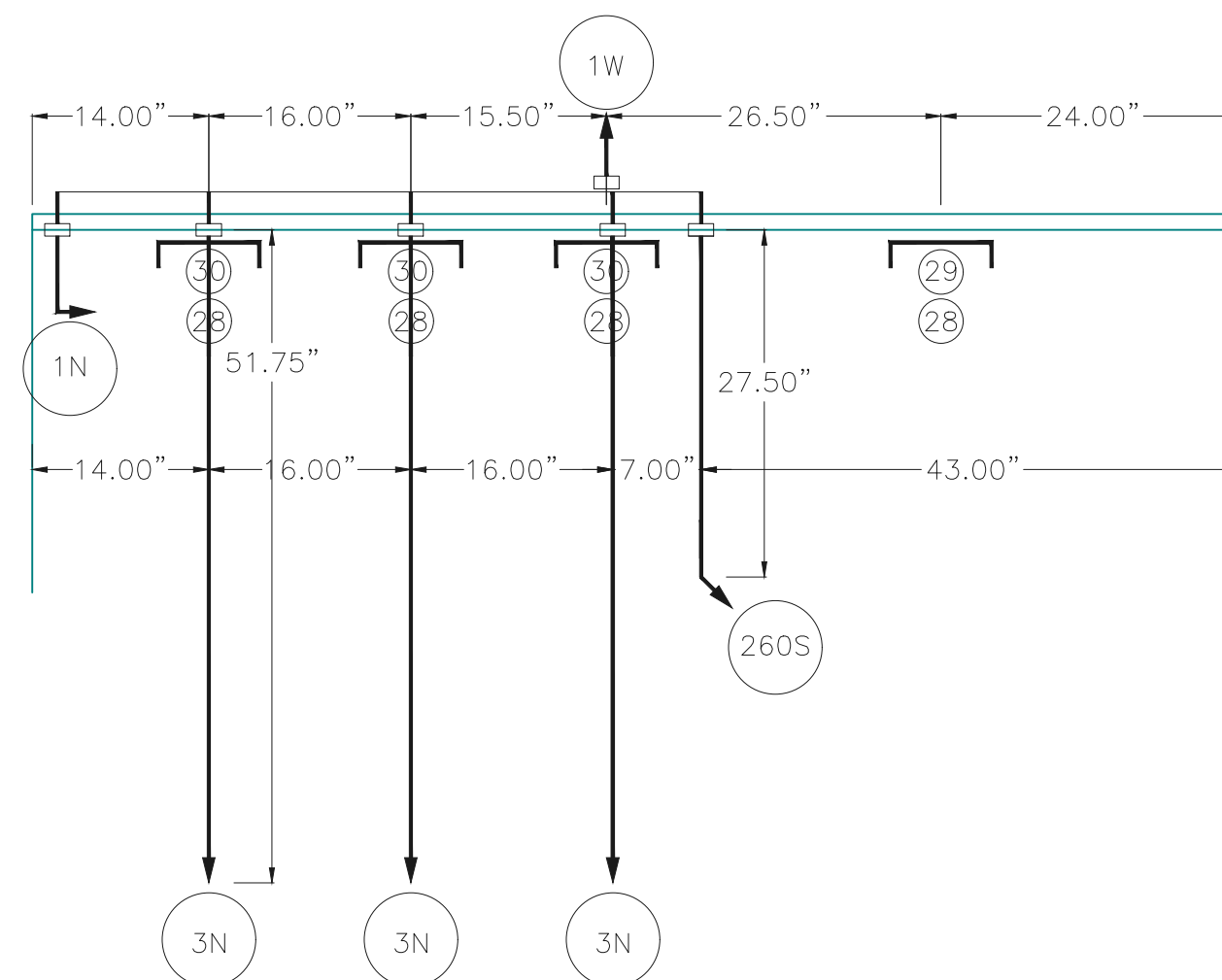
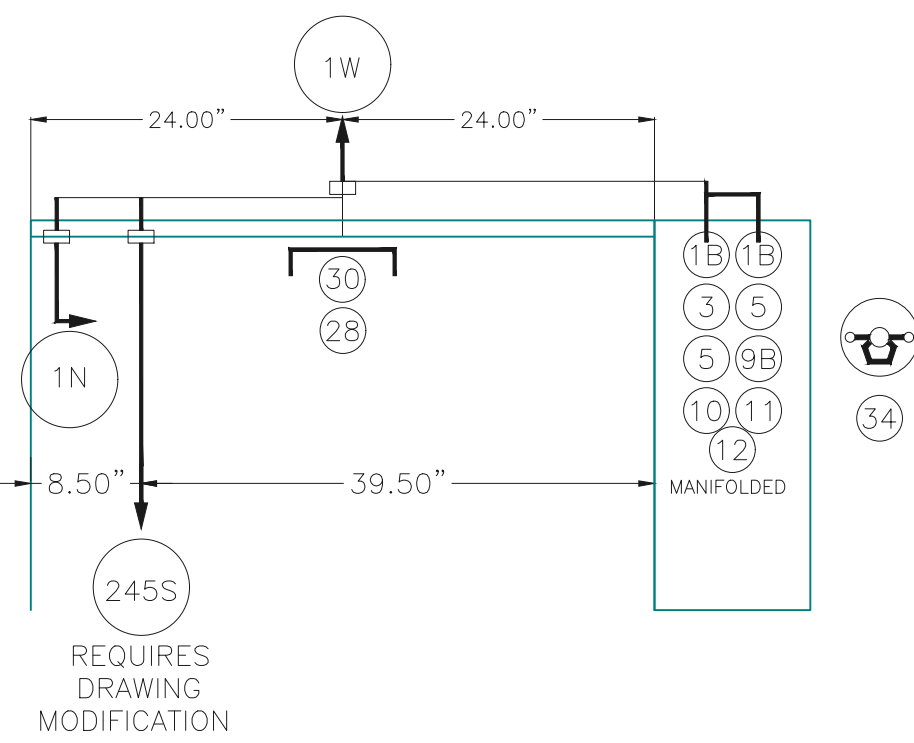
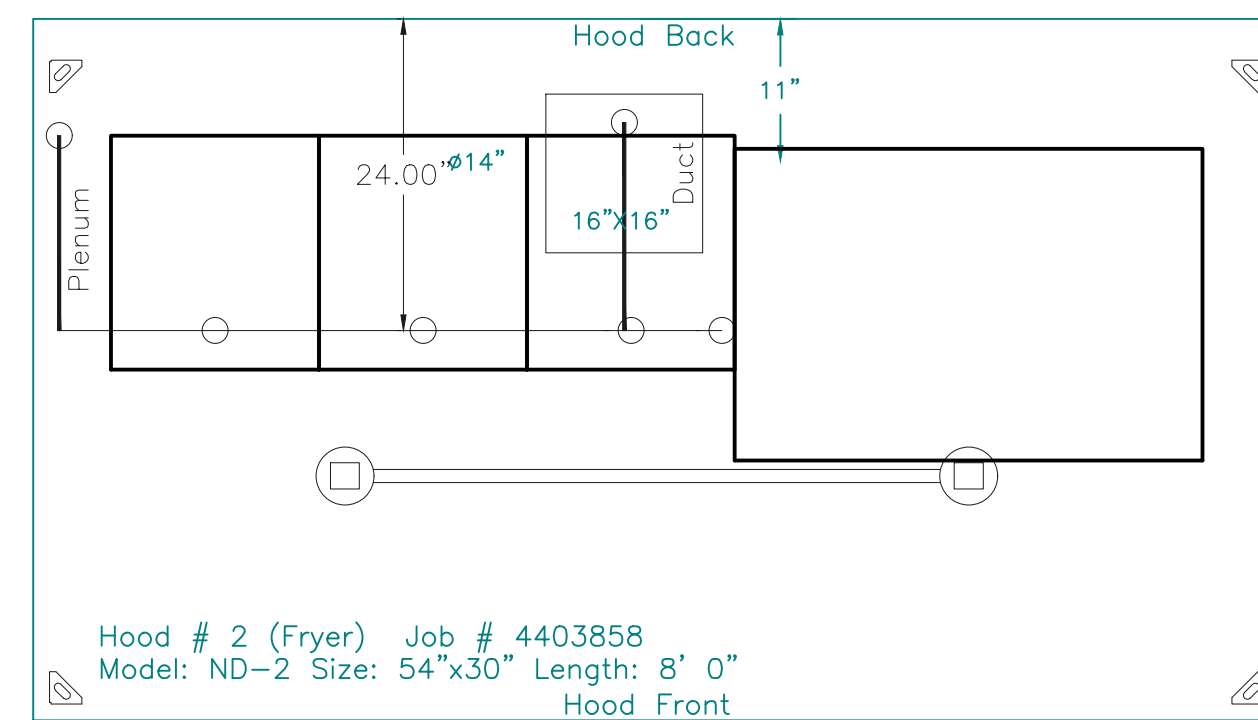
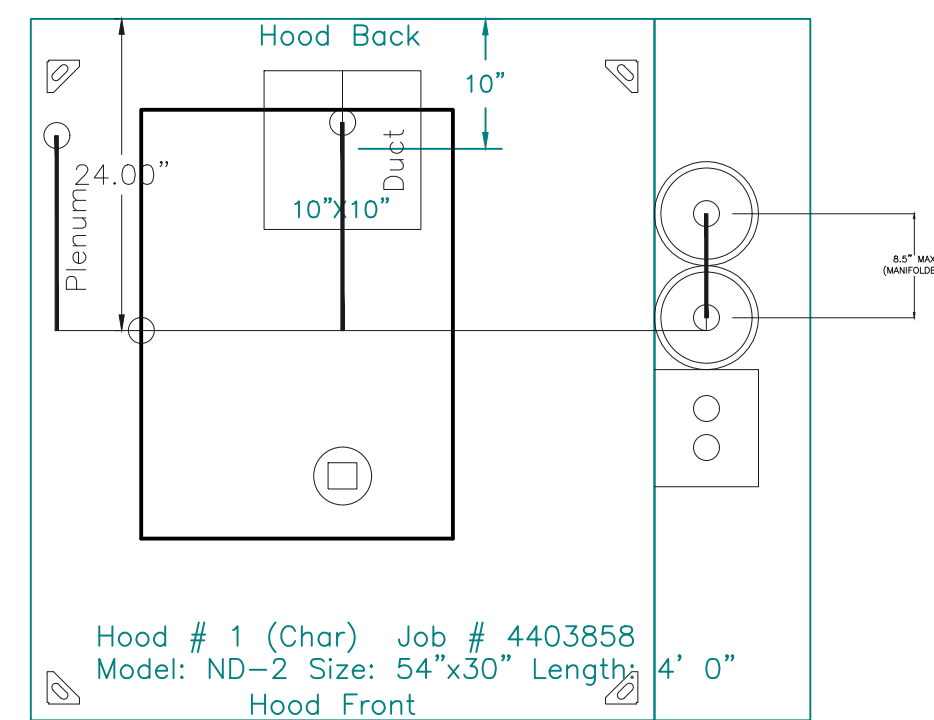
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

Job #: 4403858
 Job Name: DQ - Columbia, KY_v1

System Size: ANSUL-3.0/3.0-MANIFOLD Total FP required: 17
 Hood # 1 4' 0.00" Long x 54" Wide x 30" High
 Riser # 1 Size: 12" Dia.
 Hood # 1 Metal Blow-Off Caps included.
 Hood # 2 8' 0.00" Long x 54" Wide x 30" High
 Riser # 1 Size: 14" Dia.
 Hood # 2 Metal Blow-Off Caps included.

LEGEND - FIRE CABINET ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3 GALLON TANK
- 2 OEM AUTOMAN RELEASE
- 3 OEM REGULATED RELEASE
- 4 OEM REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 12 HOSE ASSEMBLY
- 1100 DUCT NOZZLE (430913)
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



Custom Appliance Coverage
 No Proximity Rating
 24.00" L x 35.00" D

Fryer-M w/o Drip Board High Proximity 16.00" L x 18.00" D	Fryer-M w/o Drip Board High Proximity 16.00" L x 18.00" D	Fryer-M w/o Drip Board High Proximity 16.00" L x 18.00" D	Griddle - M High Proximity 36.00" L x 24.00" D
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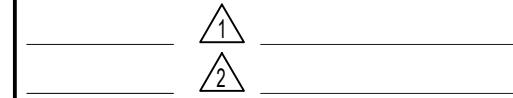
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ISSUE DATE: 07/04/21

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07/04/21 ORIGINAL ISSUE



HOOD DETAILS

SHEET NUMBER:

Fire System Information - Job#4403858

FIRE SYSTEM NO	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0	17	Fire Cabinet Right	Right, Hood 1

Fire System Parts List Key

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
		0 - 0 - 439861 Large BLOWOFF CAP, Metal, to fit New Laser-etched ANSUL Nozzles, A0024201	9	0
		0 - 0 - DISC UNION Bursting Disc Union Assembly for Manifold System.	1	0
		0 - 0 - Tank Strap Tank Strap - used for ANSUL Tanks	2	0
		0 - 0 - UCTANKBRACKET Tank Bracket for fire system tank installation in utility cabinets	2	0
		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC)) Macola # 01-429862	2	0
		3 - 3 - ANS-OEM REGULATED RELEASE - Ansul Regulated Mechanical Release/Bracket Assembly, OEM, R-102, Cartridge Detection Included, Ansul Part # 79493	1	0
		5 - 5 - LIQ-3.0 AGENT - Ansulex Low PH Wet Chemical Agent, 3 Gallon (UL) 79372	0	2
		9 - 9 - DT-CART Double Tank Nitrogen Cartridge	0	1
		10 - 10 - TLINK LINK - Test Link (1 test link) Ansul Part # 24916, Macola # 20-24916	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT- Includes 2 switches and Mounting Hardware. Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch Ansul Part # 437155, Macola # 08-437155	1	0
		12 - 12 - HOSE HOSE - Rubber Hose	1	0
		14 - 14 - 419336 NOZZLE - 1W Nozzle, Duct/Appliance (Replaces ANSUL Part# 419347, CAS Part# 419336) A0001266	2	0
		16 - 16 - 419335 NOZZLE - 1N Nozzle, Plenum/Appliance (Replaces ANSUL Part# 419346, CAS Part# 419335) A0001265	2	0
		19 - 19 - 419338 NOZZLE - 3N Nozzle, Appliance (Replaces ANSUL Part# 419349, CAS Part# 419338) A0001268	3	0
		20 - 20 - 419340 NOZZLE - 245 Nozzle, Appliance (Replaces ANSUL Part# 419351, Part# 419340) A0001270	1	0
		24 - 24 - 419341 NOZZLE - 260 Nozzle, Appliance (Replaces ANSUL Part# 419352, CAS Part# 419341) A0001271	1	0
		25 - 25 - 418569 NOZZLE ADAPTOR - Swivel Nozzle Adaptor (Replaces CAS Part # 418569) A0001274	5	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL)	9	0
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL) Ansul Part # 423253, Macola # 32-79768	5	0
		28 - 28 - S-DET DETECTOR - Series (Scissor Linkage) Ansul Part # 435547/435548 (Old # 417369/434480); Macola # 05-417369	5	0
		29 - 29 - ANS-360FL FUSIBLE LINK - 360deg F, R-102 and PIRANHA, Ansul Part # 439088	1	0
		30 - 30 - ANS-500FL FUSIBLE LINK - 500deg F, R-102 and PIRANHA, Ansul Part # 439232	4	0
		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618 (Old Macola #06-4835)	1	0
		35 - 35 - PE-LT PULLEY ELBOW - Low Temp. Pulley Elbow, Set Screw Type Ansul Part # 415670, Macola # 11-415671	5	0
		36 - 36 - PE-HT PULLEY ELBOW - High Temp Pulley Elbow, Compression Type, Ansul Part # 423251, Macola # 10-45771	4	0

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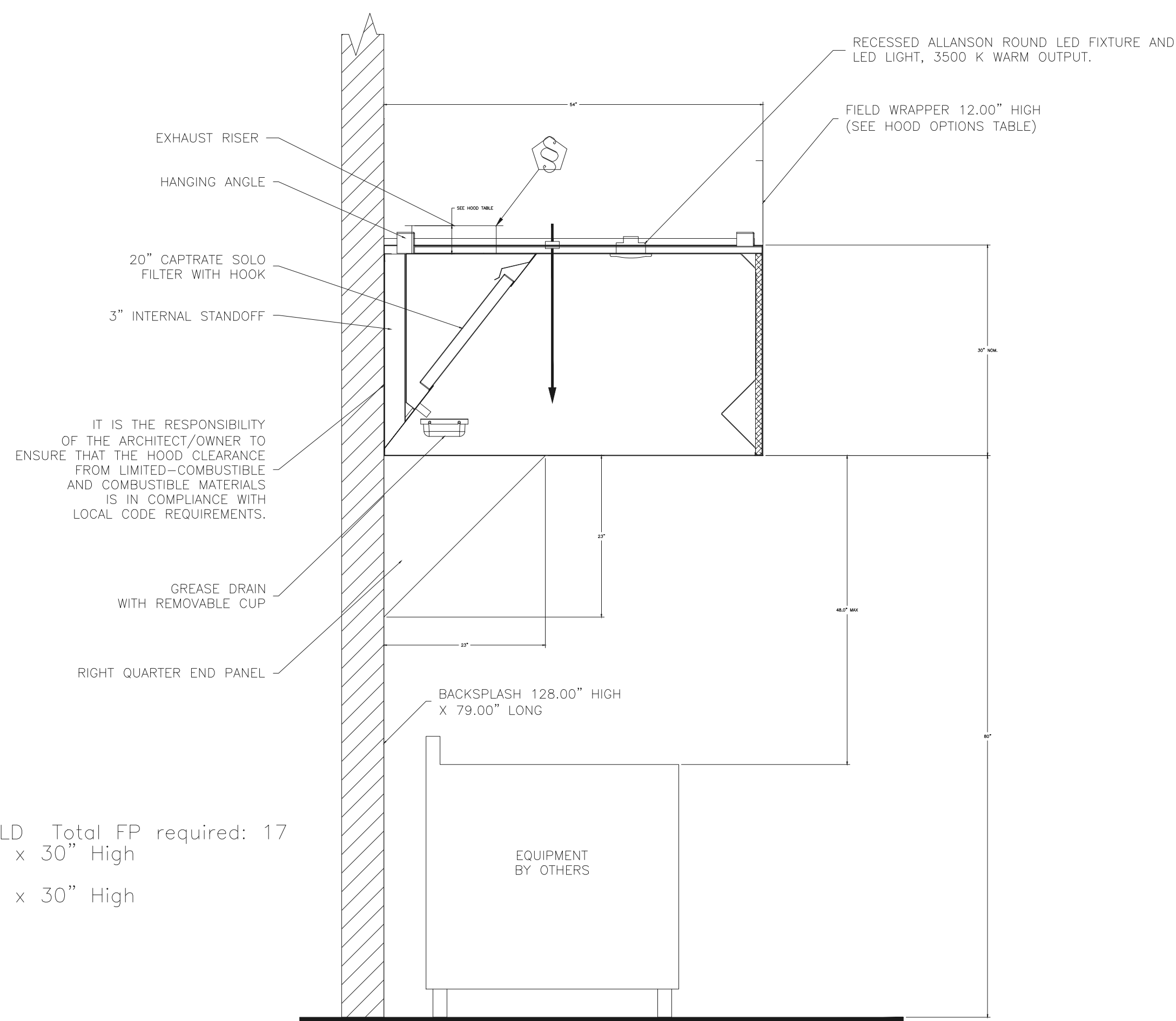
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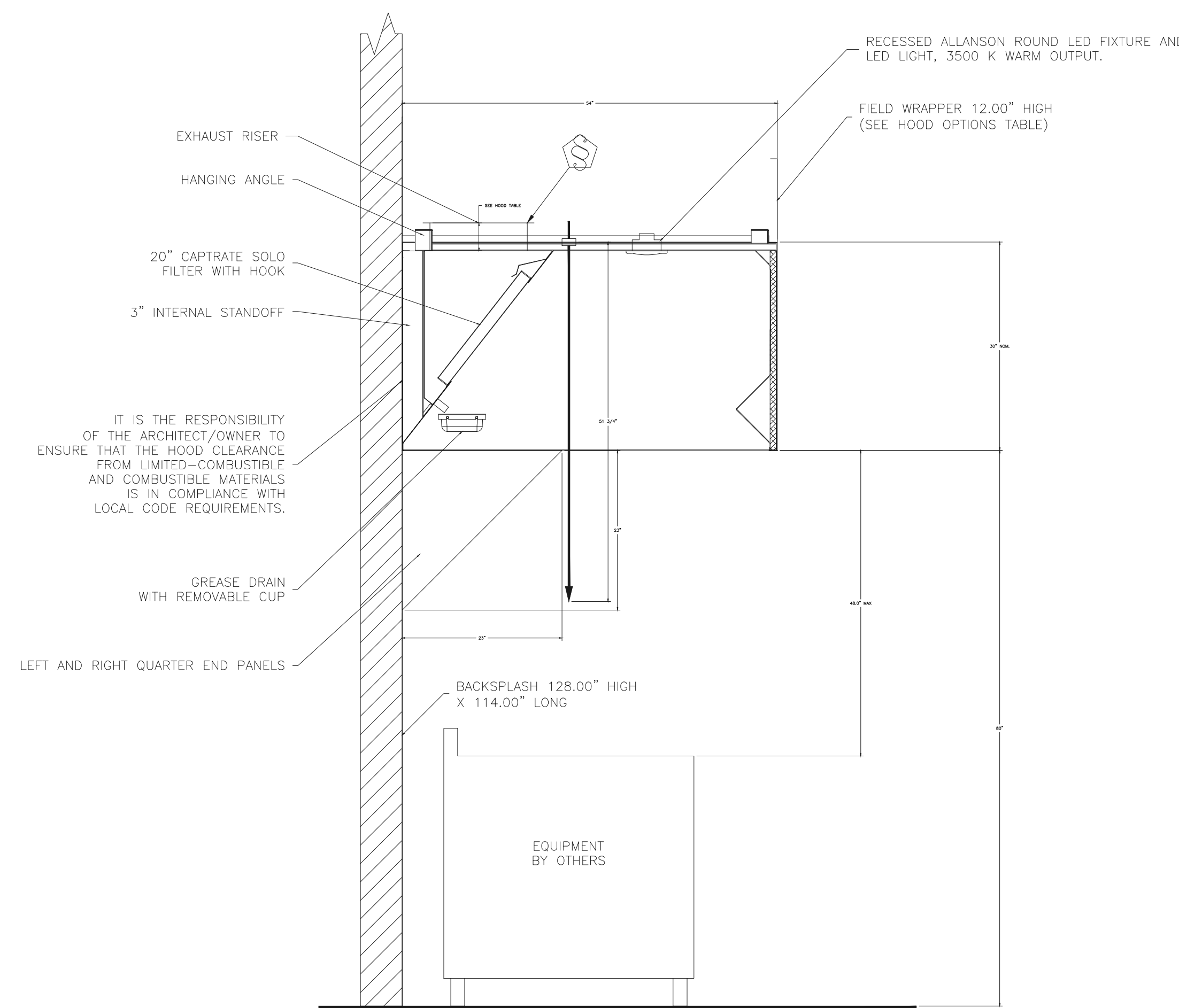
HOOD DETAILS

SHEET NUMBER:

M-5



SECTION VIEW - MODEL 5430ND-2
HOOD - #1



SECTION VIEW - MODEL 5430ND-2
HOOD - #2

DUCT NOZZLE AND
PLENUM SPRAY BAR LOCATION

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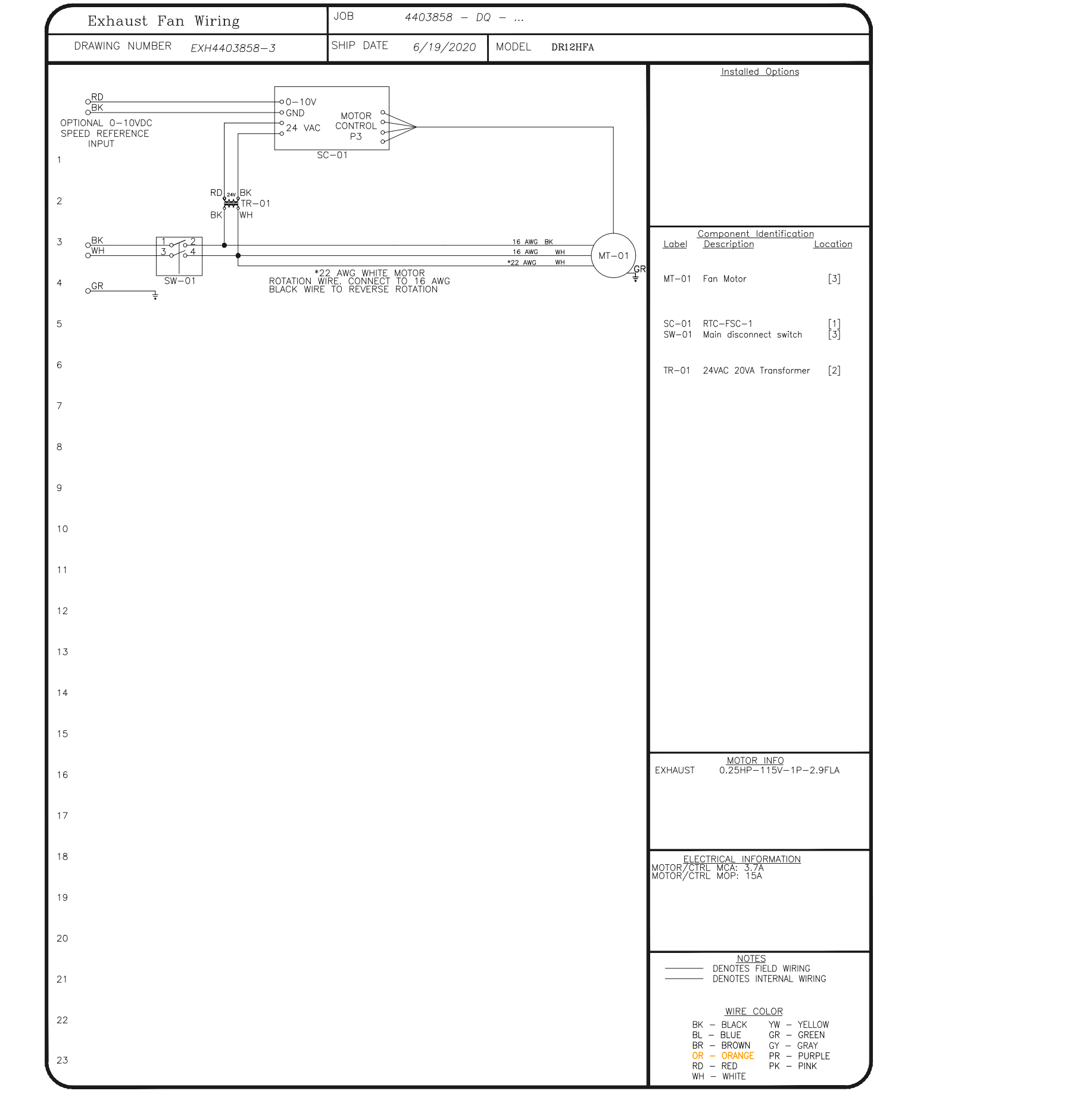
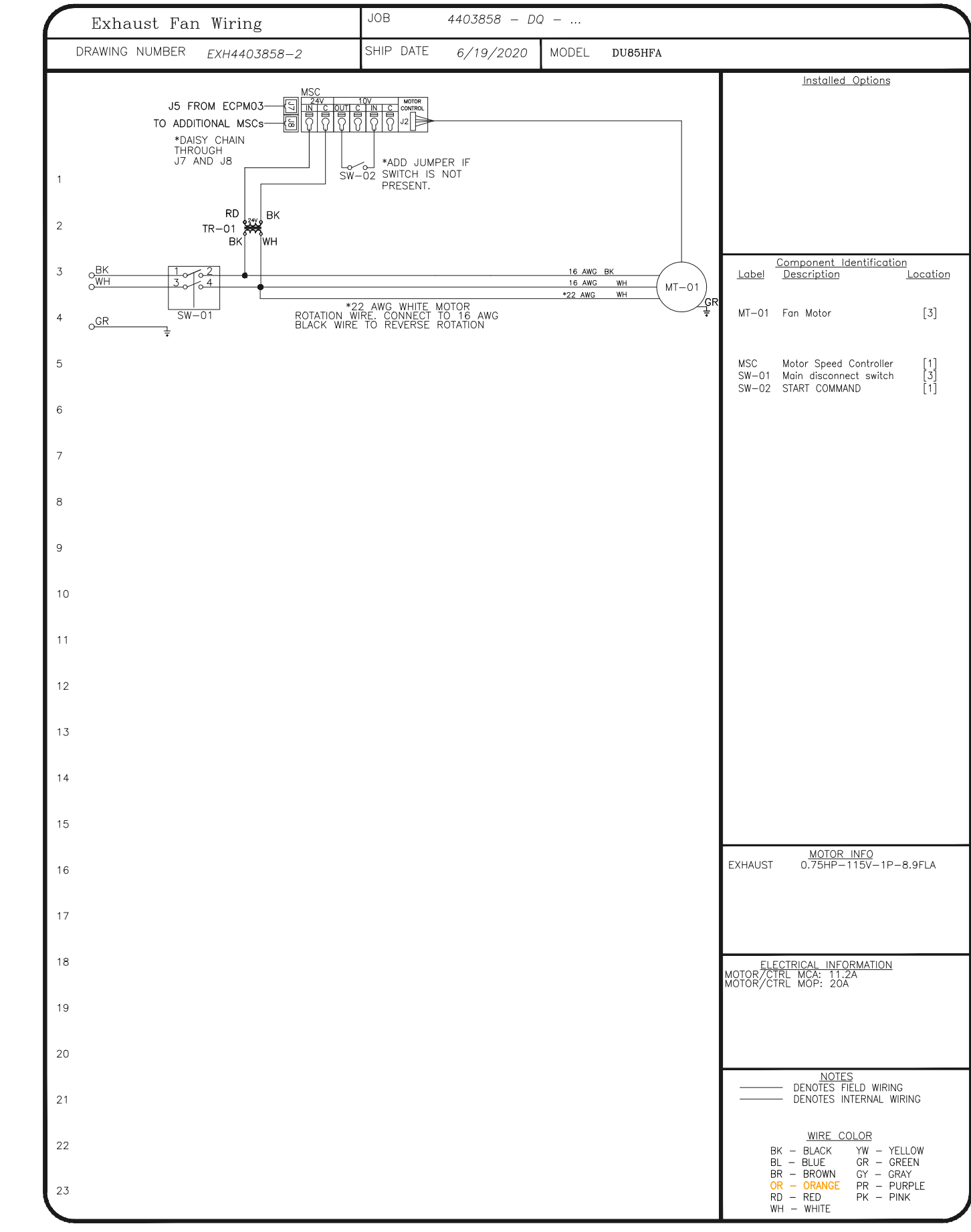
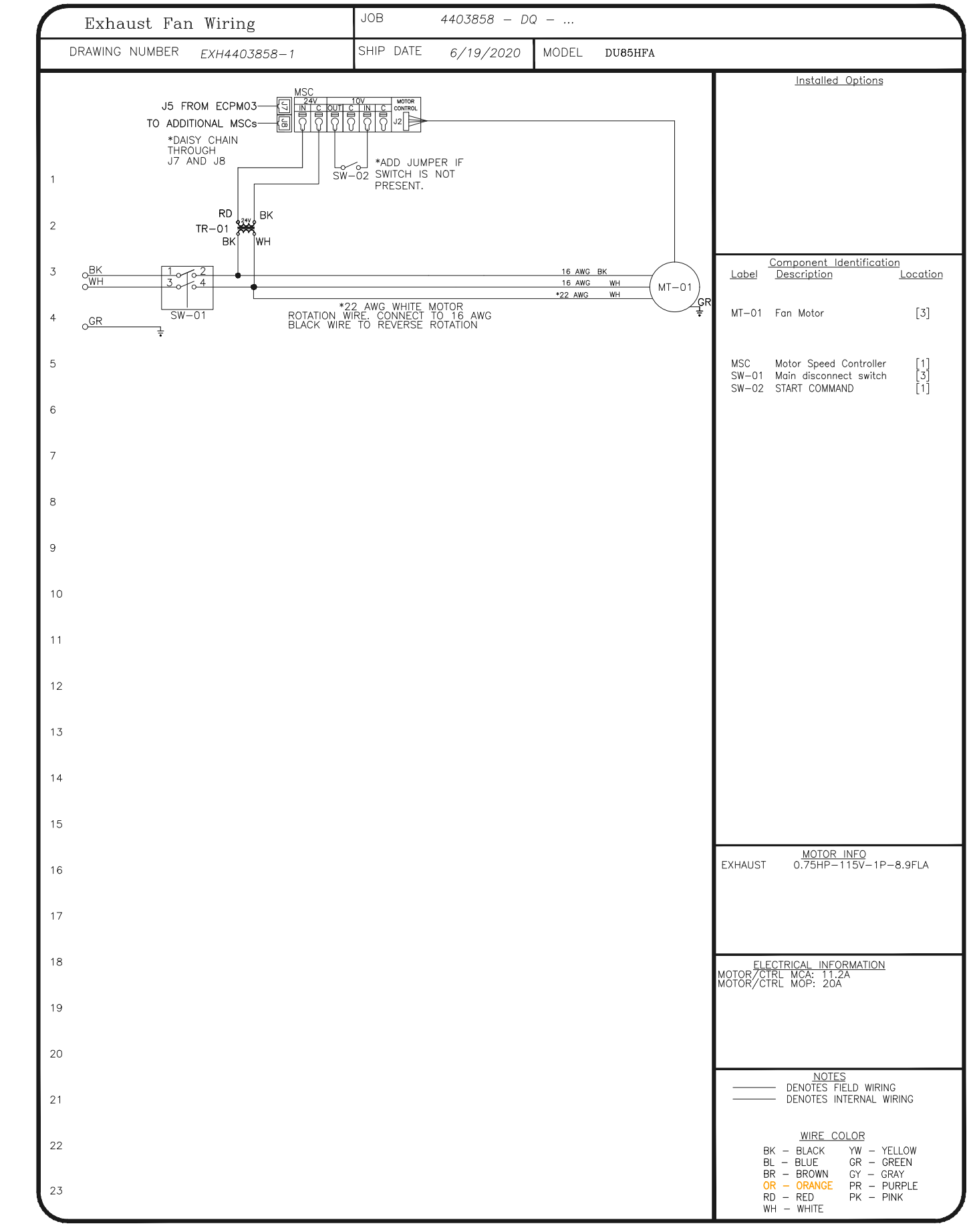
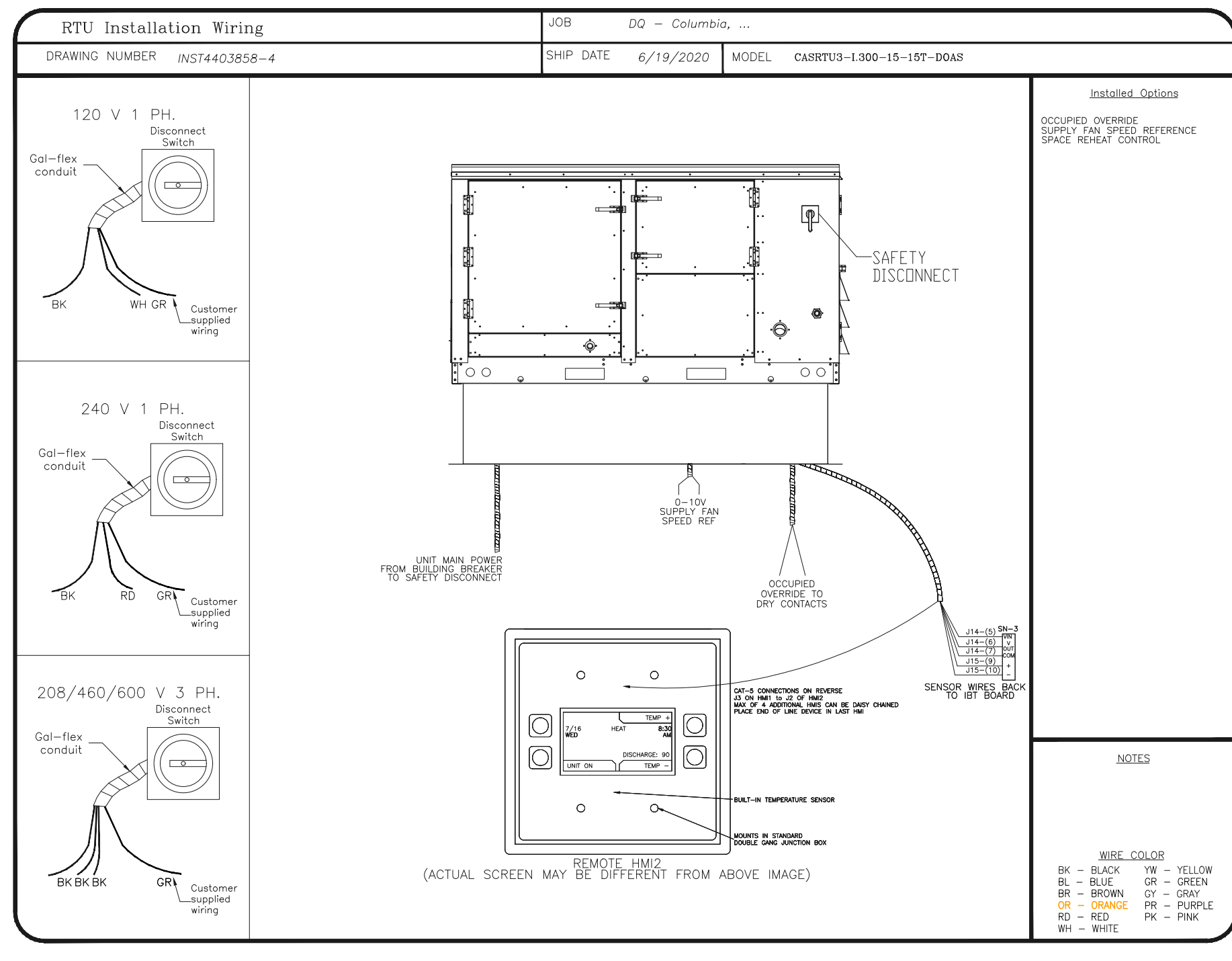
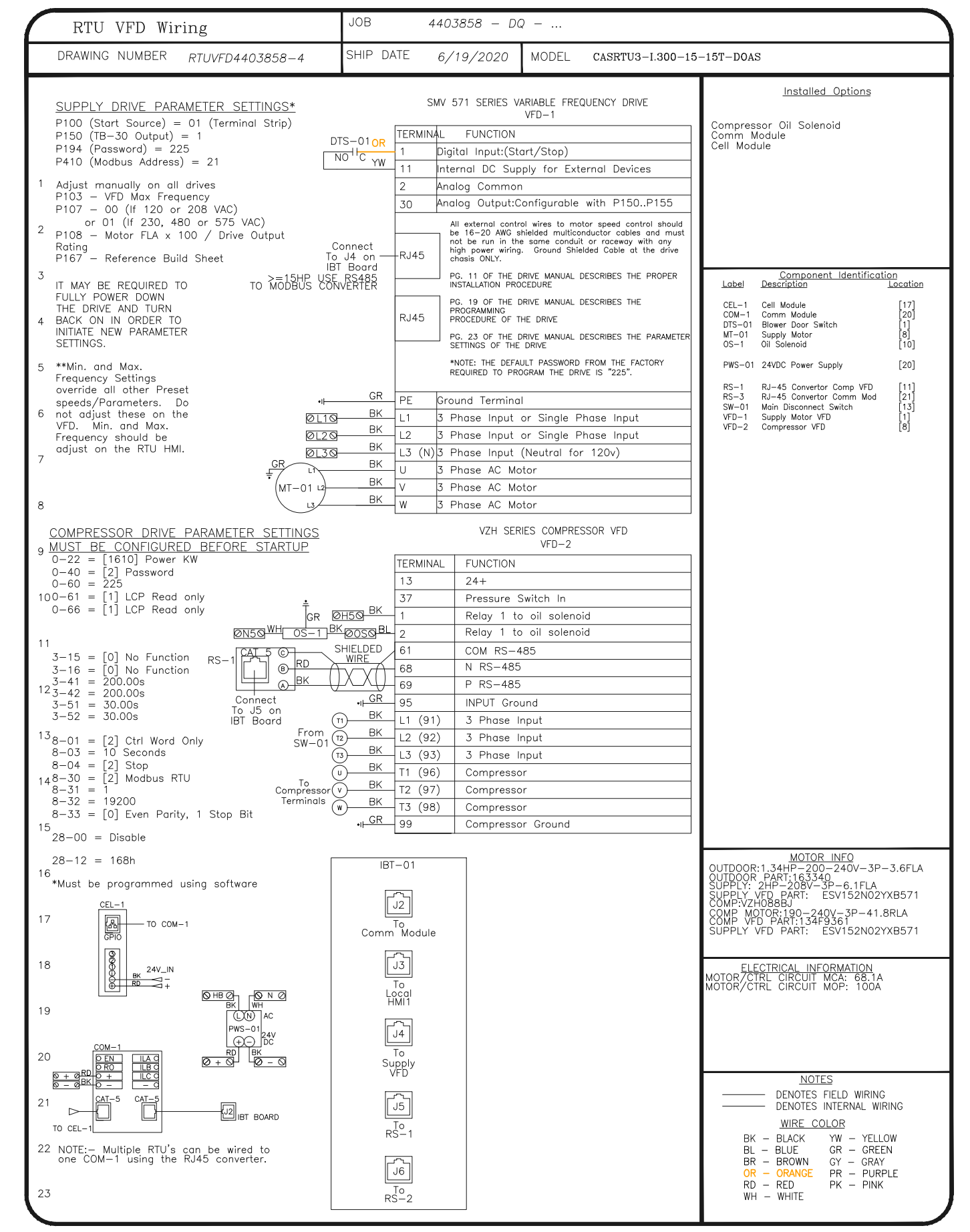
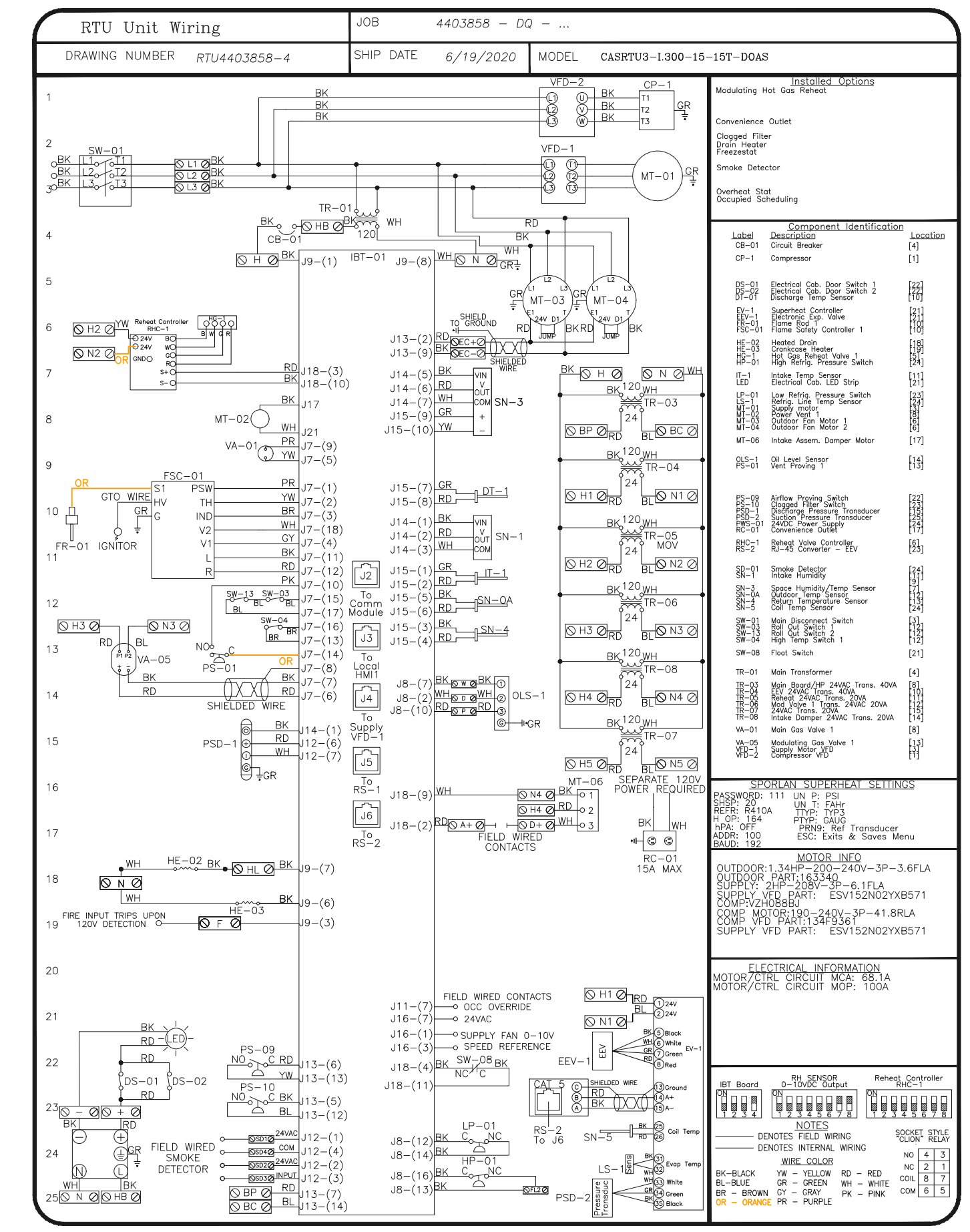
Job #: 4403858
Job Name: DQ - Columbia, KY_v1

System Size: ANSUL-3.0/3.0-MANIFOLD Total FP required: 17
Hood # 1 4' 0.00" Long x 54" Wide x 30" High
Riser # 1 Size: 0" x 0"
Hood # 2 8' 0.00" Long x 54" Wide x 30" High
Riser # 1 Size: 0" x 0"

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HOOD DETAILS

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ELECTRICAL PACKAGE - Job#440385B

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		DCV-2011	Utility Cabinet Right	U4 - Utility Cabinet Right	1 Light	Smart Controls DCV	EF-Char	Exhaust	1	0.750	115	8.9
				Hood # 1	1 Fan		EF-Fry	Exhaust	1	0.750	115	8.9

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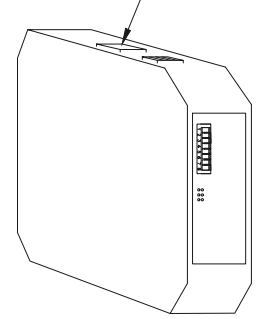
NEW BUILDING FOR:



BY PASS ROAD
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Field Connection to Router or Ethernet Switch
OR Factory Wired Connection to Cellular Kit

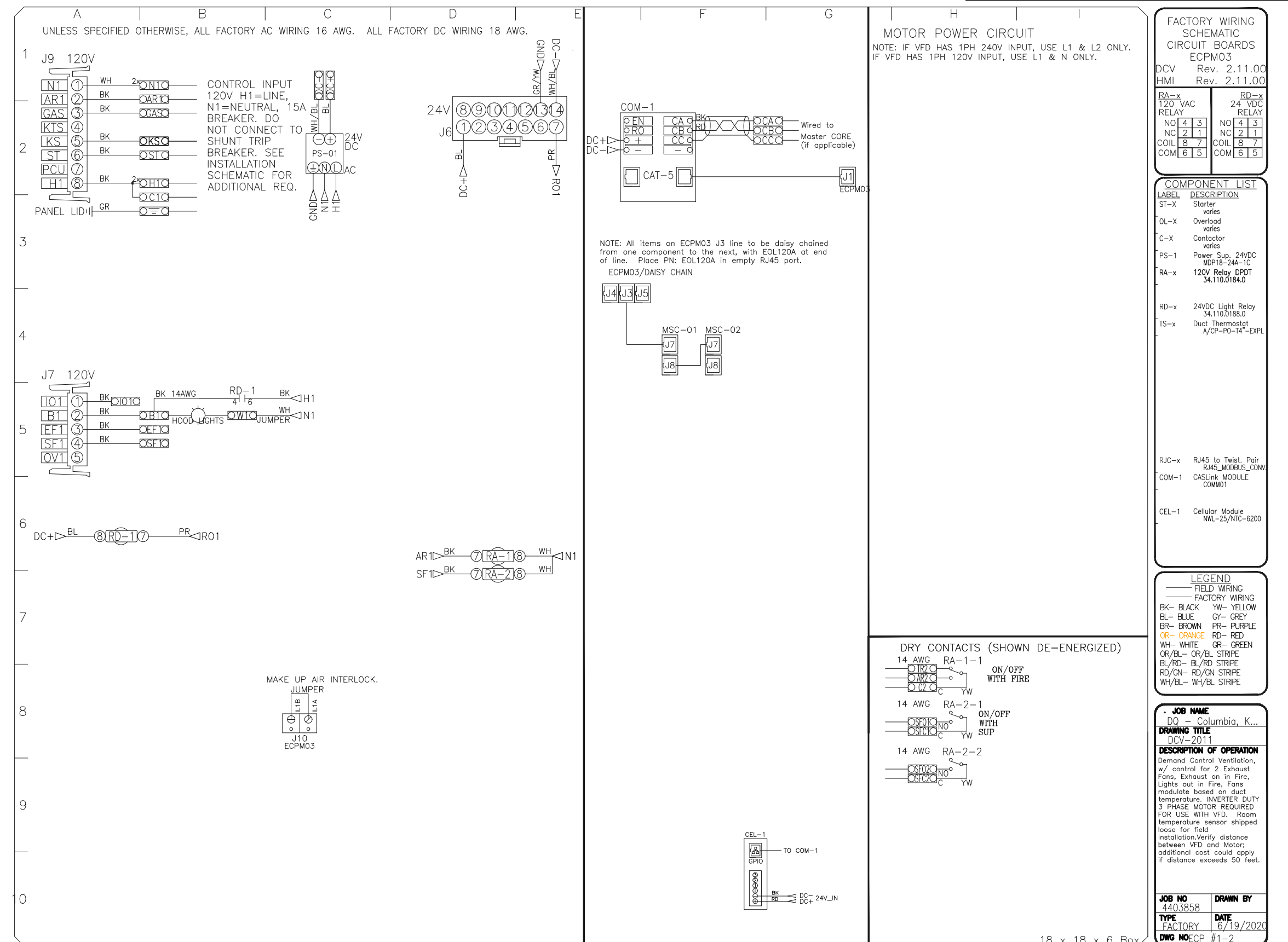
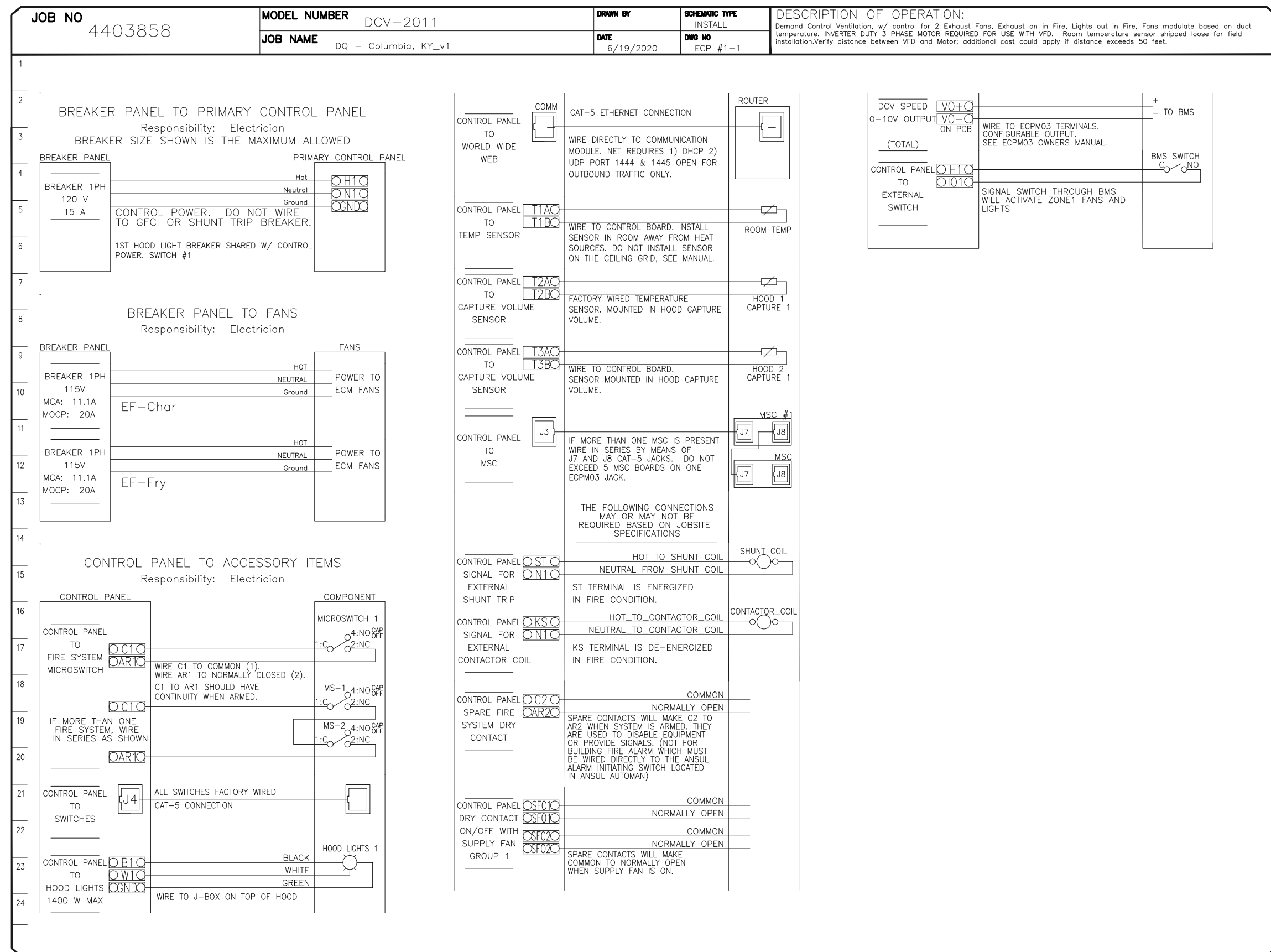


CASlink Monitor and Control

- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
- Hood control panel to allow remote changes to system setting such as: VFD Frequencies, ECM speeds, temperature set points, fan and wash schedules, etc.

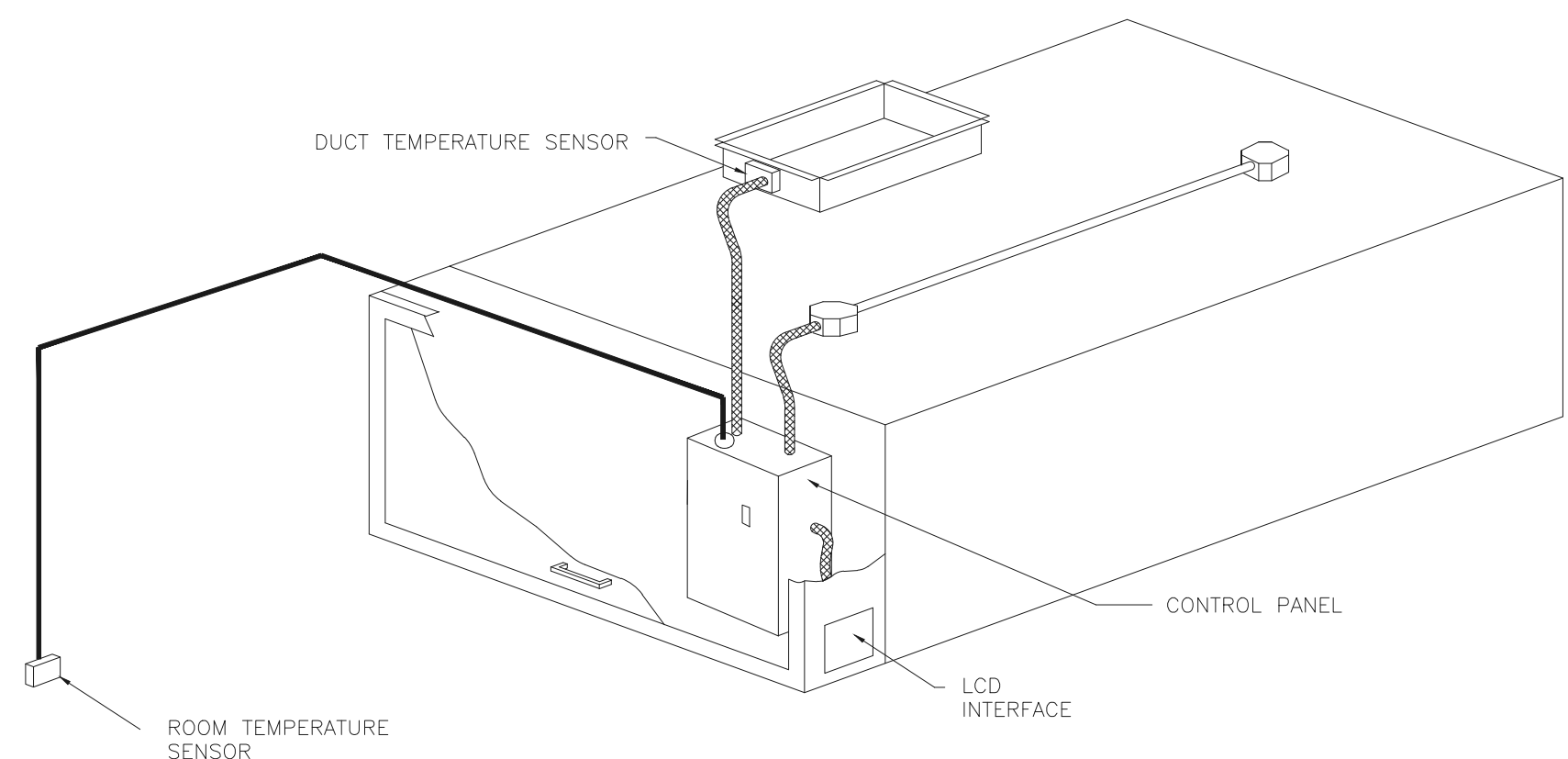
MONITORING AND CONTROL POINTS LIST

DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR	Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controller Faults	MONITOR
Fan Amperage	MONITOR	Fan Faults	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
VFD Faults	MONITOR	PCU Faults	MONITOR
Controller Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	CORE Fire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR & CONTROL	Fans Button(s)	MONITOR & CONTROL
Fire Condition	MONITOR	Lights Button(s)	MONITOR & CONTROL
CORE Fire System	MONITOR	Wash Button	MONITOR & CONTROL
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		
Wash Button	MONITOR & CONTROL		



Demand Control Ventilation Hood Control Panel Specifications:

- Controls shall be listed by ETL (UL 508A) and shall comply with demand ventilation system shutdown requirements outlined in IECC 403.2.8 (2015).
- The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.
- Temperature probe(s) located in the exhaust duct riser(s) shall be constructed of stainless steel.
- A digital controller shall be provided to activate the hood exhaust fans dynamically based on a fixed differential between the ambient and duct temperatures sensors. This function shall meet the requirements of IMC 507.1.1.
- A digital controller shall provide adjustable hysteresis settings to prevent cycling of the fans after the cooking appliances have been turned off and/or the heat in the exhaust system is reduced.
- A digital controller shall provide an adjustable minimum fan run-time setting to prevent fan cycling.
- Variable Frequency Drives (VFDs) shall be provided for fans as required. The digital controller shall modulate the VFDs between a minimum setpoint and a maximum setpoint on demand. The duct temperature sensor input(s) to the digital controller shall be used to calculate the speed reference signal.
- The VFD speed range of operation shall be from 0% to 100% for the system, with the actual minimum speed set as required to meet minimum ventilation requirements.
- An internal algorithm to the digital controller shall modulate supply fan VFD speed proportional to all exhaust fans that are located in the same fan group as the supply fan.
- The system shall operate in PREP MODE during light cooking load or COOL DOWN MODE when sufficient heat remains underneath the hood system after cooking operations have completed. Operation during either of these periods will disable the supply fans and provide an exhaust fan speed that is equal to the minimum ventilation requirement.
- A digital controller shall disable the supply fan(s), activate the exhaust fan(s), activate the appliance shunt trip, and disable an electric gas valve automatically when fire condition is detected on a covered hood.
- A digital controller shall allow for external BMS fan control via Dry Contact (external control shall not override fan operation logic as required by code).
- An LCD interface shall be provided with the following features:
 - On/Off push button fan & light switch activation
 - Integrated gas valve reset for electronic gas valves (no reset relay required)
 - VFD Fault display with audible & visual alarm notification
 - Duct temperature sensor failure detection with audible & visual alarm notification
 - Mis-wired duct temperature sensor detection with audible & visual alarm notification
 - A single low voltage Cat-5 RJ45 wiring connection
 - An energy savings indicator that utilizes measured kWh from the VFDs



TYPICAL HOOD CONTROL PANEL INSTALLATION

Sequence of Operations:

- The hood control panel is capable of operating in one or more of the following states at any given time:
 - **Automatic:** The system operates based on the differential between room temperature and the temperature at the hood cavity or exhaust duct collar. Fans activate at a configurable temperature differential threshold. Depending on the job configuration each fan zone can be configured as static or dynamic. These terms refer to whether a variable motor (such as EC Motors or VFD driven motors) modulate with temperature. If the panel is equipped with variable speed fans and the zone is defined as "dynamic", these will modulate within a user-defined range based on the temperature differential. Panels equipped with variable speed fans and a fan zone defined as "static", fans will run at a set speed calculated for the drive. Demand control ventilation systems are capable of modulating exhaust and make up air fan speeds per the requirements outlined in IECC 403.2.8.
 - **Manual:** The system operates based on human input from an HMI.
 - **Schedule:** A weekly schedule can be set to run fans for a specified period throughout the day. There are three occupied times per day to allow for the user to set up a time that is suitable to their needs. Any time that is within the defined occupied time, the system will run at modulation mode and follow the fan procedure algorithm based on temperature during this time. During unoccupied time, the system will have an extra offset to prevent unintended activation of the system during a time where the system is not being occupied.
 - **Other:** The system operates based on the input from an external source (DDC, BMS or hard-wired interlock)

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