

PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

ARCHITECT  
**Huff Projects**  
 3612 Karnes Blvd., Kansas City, MO 64111  
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**Crafton Tull**  
 P.O. Box 10189  
 Russellville, AR 72812  
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STRUCTURAL ENGINEER:  
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 2101 W. Chesterfield Blvd., B-105,  
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M.E.P. ENGINEER:  
**M.F.E.C., Inc.**  
 3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

NOTES:

REVISION SCHEDULE		
NO.	DATE	ISSUE

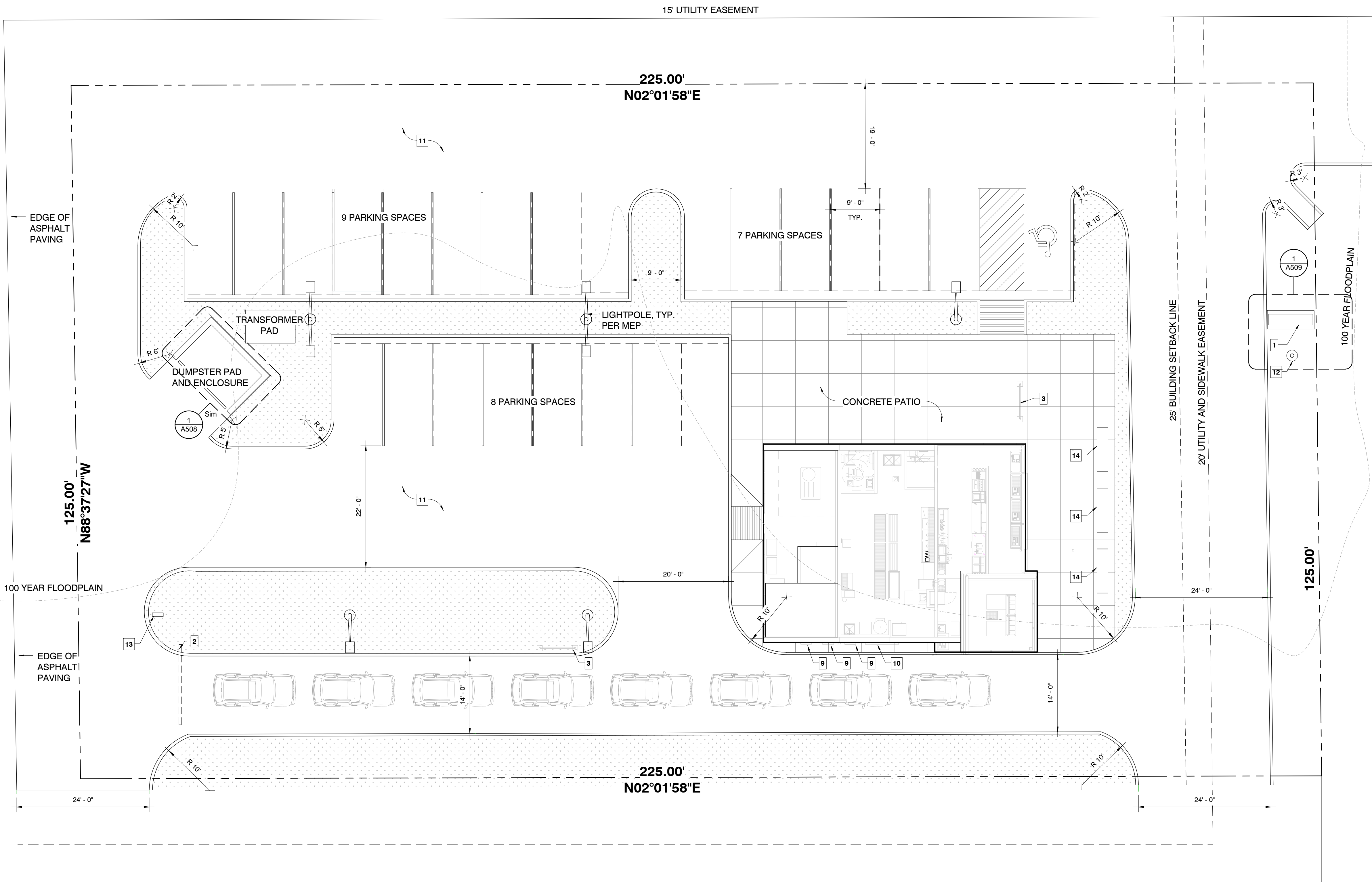
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Drawn By: ADT Architect: AS License Number:  
 Project Number: 238



SHEET  
**ARCHITECTURAL SITE PLAN**

**A101**



**DAVE WARD DRIVE (R/1 VARIES 100' MIN.)**

2 ARCH. SITE PLAN  
 1" = 10'-0"

- SITE DATA:**  
 TOTAL SITE AREA: 28,053 S.F.  
 GROSS BUILDING AREA: 1,462 SF  
 NUMBER OF FLOORS: 1
- VEHICLE DATA:**  
 TOTAL PARKING: 24 [23+1 ADA]  
 TOTAL CARS IN QUEUE: 11
- SITE PLAN KEYED NOTES:**
1. ANDY'S FROZEN CUSTARD MONUMENT SIGN
  2. DRIVE THRU CLEARANCE INDICATION BAR 8'-10"
  3. MENU BOARD
  4. OUTDOOR PATIO BELOW ROOF CANOPY
  5. ACCESSIBLE CURB RAMP WITH DETECTABLE WARNING
  6. REFUSE AND RECYCLING ENCLOSURE
  7. ACCESSIBLE PARKING STALL SIGNAGE
  8. ANDY'S DIRECTIONAL SIGNAGE
  9. 24" x 36" POSTER SIGN
  10. 72" x 36" IDENTITY SIGN
  11. CONCRETE PARKING LOT
  12. 40' FLAGPOLE W/ UPLIGHTING
  13. DIRECTIONAL SIGNAGE FOR DRIVE-THRU
  14. FIXED BENCHES

**NOTE:**  
 COORDINATE SITE DETAILS INDICATED ON THIS SHEET, A101, WITH ALL CIVIL DRAWINGS. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION NOT INDICATED HERE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.



















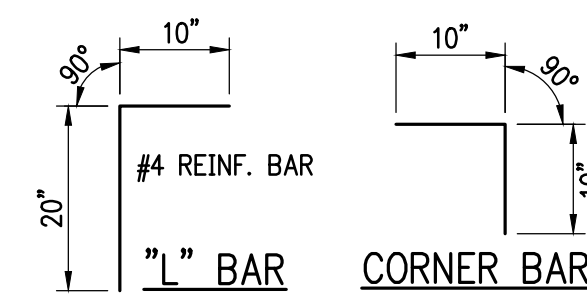








- NOTES:
1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
  2. ALL #4 & #5 REINFORCING BARS TO HAVE 1-1/2" COVER, LARGER SIZES TO HAVE 2" COVER.
  3. SEE GRADING AND DRAINAGE PLAN FOR PIPE SIZES, LOCATIONS AND FLOW LINES.
  4. PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE INLET. CONNECTION SHALL NOT BE MADE AT THE CORNERS OF THE INLET.
  5. ALL REINFORCING BARS TO BE GRADE 60.



REINFORCEMENT SCHEDULE, BASE		
SECTION	#	E.W.
"A"	#4	@ 6" E.W.
"B"	#5	@ 6" E.W.

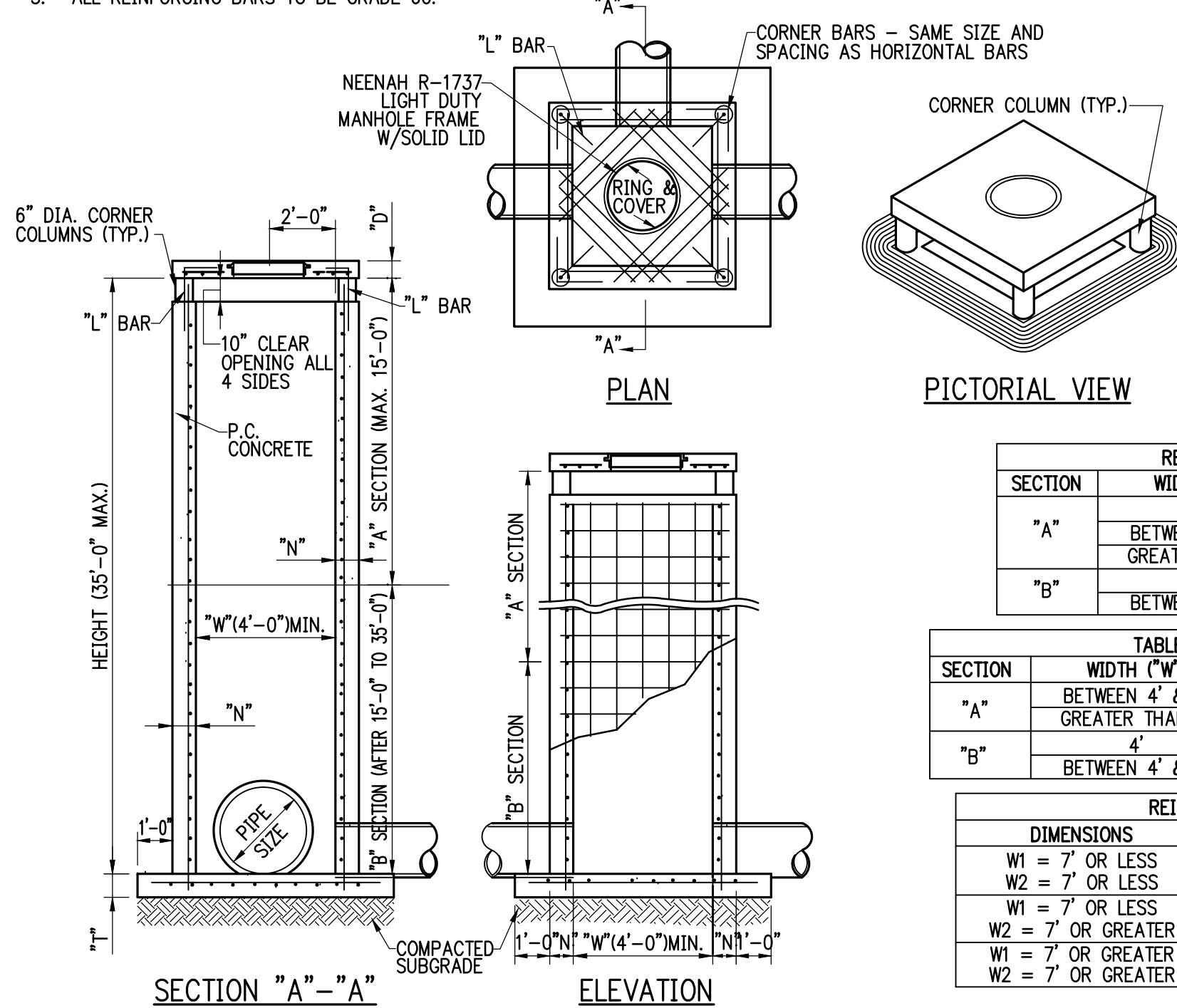
TABLE OF "W" DIMENSIONS

PIPE SIZE	SKEW OF CROSS DRAIN		
	STRAIGHT	30°	45°
24"	4'-0"	4'-0"	4'-10"
30"	4'-0"	4'-7"	5'-8"
36"	4'-0"	5'-3"	6'-5"
42"	5'-3"	5'-11"	7'-3"
48"	5'-10"	6'-7"	8'-0"
60"	7'-0"	7'-10"	9'-8"
DOUBLE FOR "A" SECTION ONLY			
24"	7'-0"	7'-10"	9'-5"
30"	8'-2"	9'-2"	11'-0"
36"	9'-4"	10'-6"	12'-6"
42"	10'-6"	11'-10"	14'-2"
48"	11'-8"	13'-2"	15'-10"

REINFORCEMENT SCHEDULE, WALLS			
SECTION	WIDTH ("W")	HOR.	VERT.
"A"	4'	#4 @ 9"	#4 @ 10"
	BETWEEN 4' & 7'	#6 @ 9"	#4 @ 10"
"B"	GREATER THAN 7'	#5 @ 4 1/2"	#4 @ 10"
	4'	#4 @ 6"	#4 @ 10"
"B"	BETWEEN 4' & 7'	#5 @ 6"	#4 @ 10"

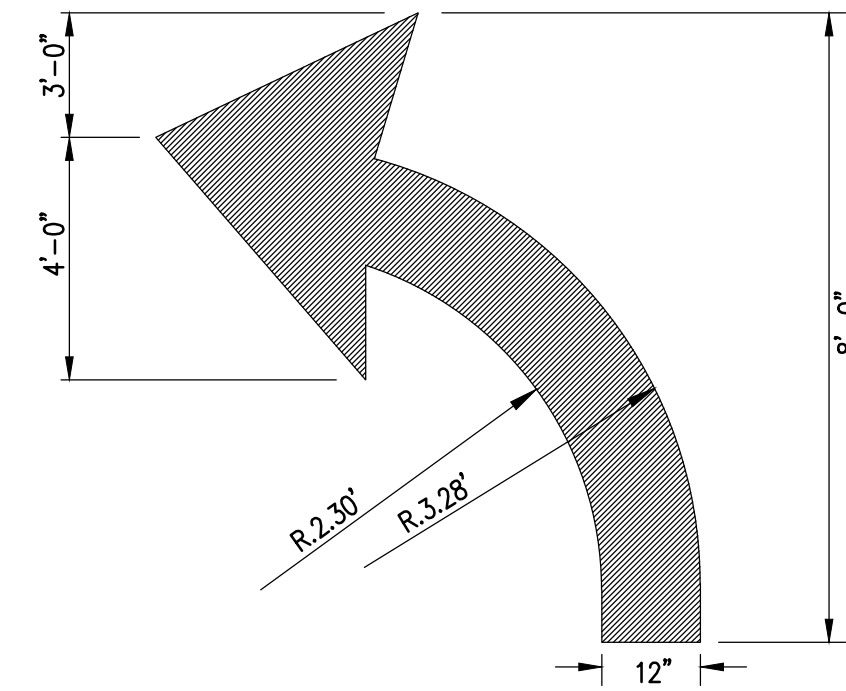
TABLE OF "T" & "N" DIMENSIONS				
SECTION	WIDTH ("W")	"T"	"N"	"D"
"A"	BETWEEN 4' & 7'	6" + PIPE THICKNESS	8"	6"
	GREATER THAN 7'	6" + PIPE THICKNESS	8"	8"
"B"	4'	6" + PIPE THICKNESS	8"	8"
	BETWEEN 4' & 7'	6" + PIPE THICKNESS	10"	8"

REINFORCEMENT SCHEDULE, TOP		
DIMENSIONS	STEEL	SPECIAL PATTERN
W1 = 7' OR LESS	#4 @ 8" E.W.	DIAGONAL @ COVER
W2 = 7' OR LESS	#4 @ 8" E.W.	DIAGONAL @ COVER
W1 = 7' OR LESS	#4 @ 8" E.W.	DIAGONAL @ COVER
W2 = 7' OR GREATER	#4 @ 6" E.W.	DIAGONAL @ COVER
W1 = 7' OR GREATER	#4 @ 6" E.W.	DIAGONAL @ COVER
W2 = 7' OR GREATER	#4 @ 6" E.W.	DIAGONAL @ COVER



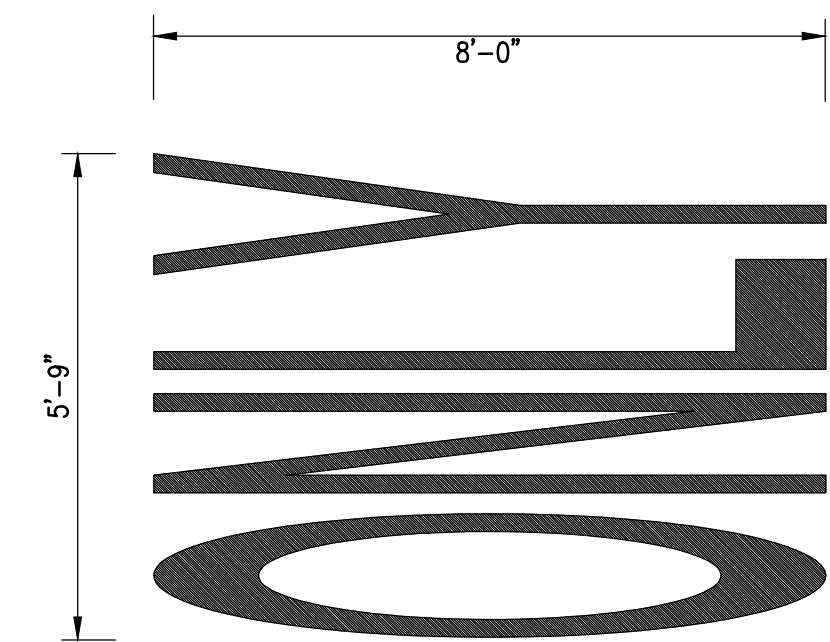
AREA INLET  
NTS

- NOTES:
1. LETTERS, NUMBERS AND ARROWS FOR DRIVEWAYS, PARKING LOTS AND STREETS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
  2. PAVEMENT MARKINGS TO BE REFLECTIVE WHITE PAINT OR THERMOPLASTIC AS INDICATED IN THE PLANS.

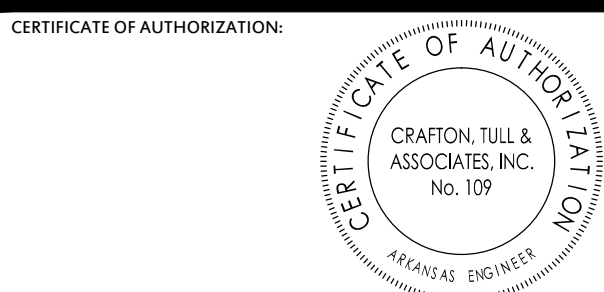


PAVEMENT MARKING ARROWS  
RIGHT OR LEFT TURN  
NTS

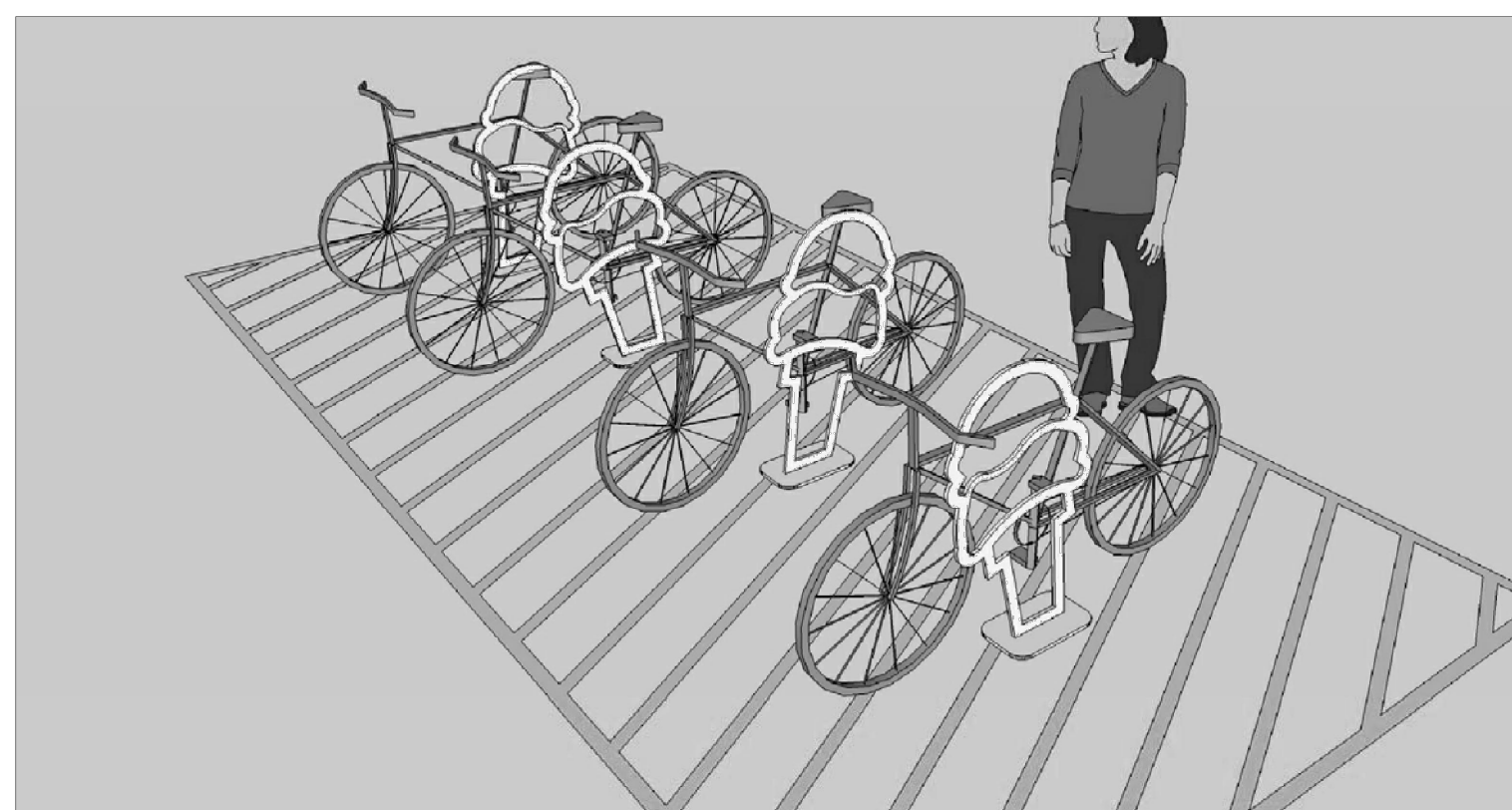
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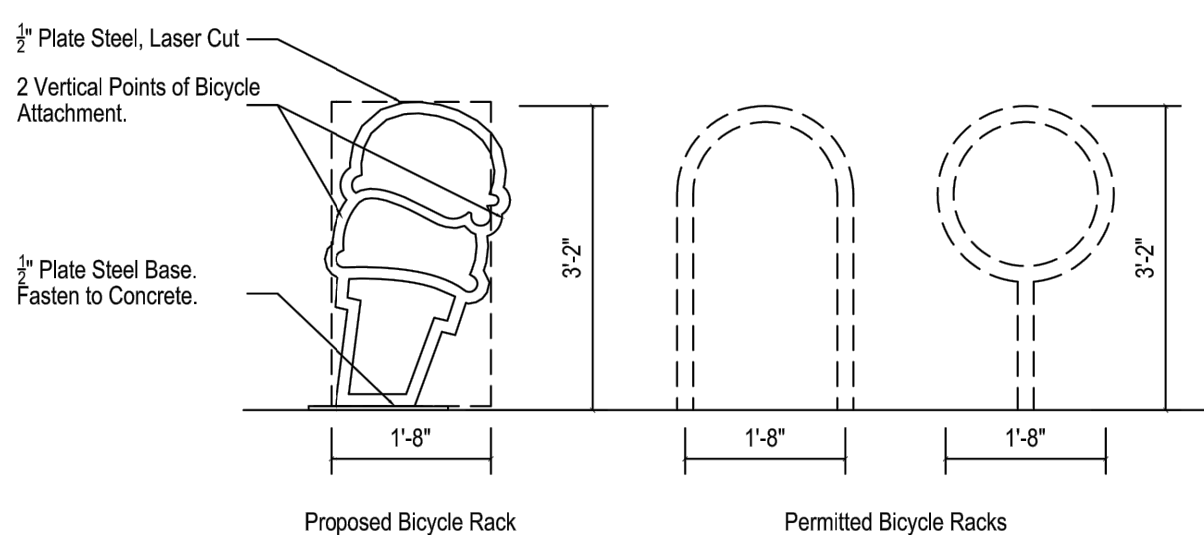
"ONLY" PAVEMENT MARKING  
NTS



ANDY'S FROZEN CUSTARD  
DAVE WARD DRIVE  
CONWAY, ARKANSAS



2 Perspective  
Scale Not to Scale



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

Drawing Title: Bicycle Rack Design  
Date: February 26, 2013  
Scale: 1/2" = 1'-0"  
Dwg No: ASK-13-0226  
Revision:

**Andy's Frozen Custard**  
Countryside, Illinois  
Hufft Projects LLC - Job # 202

Arkansas One Call



Know what's below.  
Call before you dig.

PROJECT NO: 15700700  
ISSUE DATE: 03/09/2015  
CONTACT: G. LONG  
CHECKED BY: *[Signature]*  
ISSUED FOR CONSTRUCTION  
No. 5026

3/9/15  
SITE CONSTRUCTION DETAILS

C - 503



## SPECIAL CONDITIONS, REQUIREMENTS AND NOTES TO OWNER, DEVELOPER AND CONTRACTOR:

CONTRACTOR, BUILDER AND SUBCONTRACTORS INVOLVED IN ANY FORM OF CONSTRUCTION USING THESE DOCUMENTS SHALL BE INFORMED OF THE FOLLOWING RESPONSIBILITIES, PERFORMANCE CRITERIA, LIMITATIONS AND RISKS ASSOCIATED WITH CONSTRUCTION. IF THE OWNER, DEVELOPER OR CONTRACTOR IS NOT ABLE TO ACCEPT THE RESPONSIBILITIES OR PERFORMANCE CRITERIA AND LIMITATIONS, NOTIFY OUR OFFICE PRIOR TO START OF CONSTRUCTION. IT SHALL BE EXPRESSLY UNDERSTOOD THAT THE ENGINEER IS NOT RESPONSIBLE OR LIABLE FOR THE LACK OF PERFORMANCE OF MATERIALS, SYSTEMS OR DESIGNS NOT BEING LIMITED TO ITEMS OUTLINED BELOW. CONTRACTORS AND SUBCONTRACTORS SHALL THOROUGHLY REVIEW ALL CONDITIONS AND RESPONSIBILITIES STATED IN THESE NOTES, PLANS, SECTIONS AND DETAILS, AND SHALL NOTIFY THE ENGINEER AND OWNER IN WRITING PRIOR TO CONSTRUCTION OF ANY CONDITIONS OR RESPONSIBILITIES WHICH ARE NOT ACCEPTABLE OR NOT UNDERSTOOD.

1. PLAIN CONCRETE, REINFORCED CONCRETE, OR CONCRETE MASONRY DEVELOPS CRACKS. THE CRACKS ARE DUE TO INHERENT SHRINKAGE, CREEP AND RESTRAINING EFFECTS. CRACKS ARE NORMALLY COSMETIC AND THE SYSTEM MAINTAINS SERVICEABILITY AND STRENGTH REQUIREMENTS. JOINTS MAY BE INDICATED TO CONTROL CRACKING, BUT ARE NOT MEANT TO ELIMINATE ALL CRACKING, AS THIS IS NOT PRACTICAL. THE CONTRACTOR SHALL USE ALL STANDARD MEANS TO INSURE PROPER PROTECTION AND CURING OF ALL CEMENTITIOUS MATERIALS TO REDUCE CRACKING, SURFACE SPALLING OR EXTREME CRACKING MAY BE CAUSED BY POOR MATERIAL OR PLACEMENT. CONTACT OUR OFFICE FOR POSSIBLE REPAIR REQUIREMENTS.

2. FOUNDATION SETTLEMENT MAY CAUSE DISTORTION AND DISTRESS TO THE SUPPORTED STRUCTURE AS WELL AS ADJACENT UTILITIES, SLABS OR FOUNDATIONS. THE SOIL REPORT MAY INDICATE A LEVEL OF DISPLACEMENT. ATTENTION TO PROPER SOIL PREPARATION AND GRADING, AS WELL AS PROPER DRAINAGE AWAY FROM STRUCTURE IS ESSENTIAL IN REDUCING EXPECTED SETTLEMENT.

3. VARIATION IN DIMENSIONS MAY OCCUR AS A RESULT OF THERMAL INFLUENCES, NATURAL DEFLECTIONS AND/OR CAMBERS OF MEMBERS. AS A RESULT, QUANTITIES MAY VARY AND ARCHITECTURAL FINISHES MAY BE AT RISK OF COSMETIC VARIATION OR DAMAGE.

4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR VARIATIONS TO PLANS BETWEEN BID PROCESS AND FINALIZED APPROVED DOCUMENTS RELEASED FOR CONSTRUCTION. ADDITIONS AND ALTERATIONS MAY BE MADE BETWEEN RELEASE OF BID DOCUMENTS AND FINALIZED CONSTRUCTION DOCUMENTS.

5. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEERS IN THIS OR SIMILAR LOCALITIES, THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR, SUBCONTRACTOR AND/OR WORKPERSONS WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL WORK EXPLICITLY SHOWN.

6. CALCULATION AND DESIGN OF MISCELLANEOUS NON-STRUCTURAL ITEMS, SUCH AS RAILINGS, NON-STRUCTURAL WALLS AND PREFABRICATED STRUCTURAL ITEMS, SUCH AS FLOOR AND ROOF TRUSSES, ARE NOT INCLUDED AND ARE TO BE PROVIDED BY OTHERS UNLESS SPECIFICALLY NOTED ON THESE DRAWINGS.

7. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE, SHORING, BRACING, FORMWORK, ETC. AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. CONSTRUCTION MATERIALS SHALL BE UNIFORMLY SPREAD OUT SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED, VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT. ALL WORK OR CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS AND SAFETY REQUIREMENTS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, CONDITIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS. ANY SUCH DISCREPANCY, OMISSION OR VARIATION NOT REPORTED BEFORE THE START OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

11. TYPICAL DETAILS AND NOTES SHALL APPLY, THOUGH NOT NECESSARILY AT A SPECIFIC LOCATION ON PLANS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY ONLY SHOW ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY. WHERE DISCREPANCIES OCCUR IN THESE DRAWINGS, NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.

12. ALL OPENINGS ARE NOT SHOWN ON THESE DRAWINGS. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. OPENINGS MAY REQUIRE ADDITIONAL REINFORCING OR SUPPORTS AS SHOWN ON TYPICAL DETAILS. IF TYPICAL DETAILS FOR ALL CONDITIONS ARE NOT INCLUDED HEREIN, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST IN WRITING ADDITIONAL INFORMATION.

13. ALL INSPECTIONS REQUIRED BY THE BUILDING CODES, LOCAL BUILDING OFFICIALS, OR BY THESE PLANS SHALL BE PROVIDED BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT. INSPECTION REQUIREMENTS STATED HEREIN ARE PARTIAL. COMPLETE INSPECTION REQUIREMENTS SHALL BE AS DIRECTED BY THE LOCAL BUILDING DEPARTMENT. SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE AN INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.

14. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS. SHOP DRAWINGS ARE REVIEWED ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS. REVIEW DOES NOT INDICATE THAT THE SHOP DRAWINGS ARE CORRECT OR COMPLETE. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFORESMENTIONED SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW UNLESS SPECIFICALLY NOTED ACCORDINGLY. THE SHOP DRAWINGS DO NOT SUPERSEDE OR REPLACE THE ORIGINAL CONTRACT DRAWINGS. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN APPROPRIATELY REGISTERED ENGINEER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ADEQUACY OF ENGINEERING DESIGNS PERFORMED BY OTHERS. ALLOW 5 WORKING DAYS FOR THE ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE ENGINEER'S RECORDS.

## FOUNDATIONS:

1. GEOTECHNICAL REPORT: PENDING

2. THE OWNER SHALL EMPLOY A GEOTECHNICAL ENGINEER TO PROVIDE SOIL TESTING AND REVIEW DURING CONSTRUCTION. THE GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE THE FOUNDATION REQUIREMENTS OF THE CONTRACT DOCUMENTS. IF CONDITIONS VARY FROM THAT INDICATED HEREIN, THEN THE GEOTECHNICAL ENGINEER SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FOUNDATION CONSTRUCTION.

3. THE BACKFILL SHALL BE PLACED AND COMPACTED ON EACH SIDE OF FOUNDATION WALLS SUCH THAT NO UNBALANCED LATERAL LOADS ARE INDUCED TO THE WALL.

4. BACKFILL SHALL BE PLACED EVENLY AGAINST EACH SIDE OF SUBGRADE STRUCTURAL ELEMENTS TO PRODUCE APPROXIMATELY EQUAL AND OPPOSITE LATERAL PRESSURES.

## SLAB ON GRADE:

1. TYPICAL CONCRETE SLAB ON GRADE SHALL BE 4" THICK WITH 6#6-W1.4#W1.4 WWR OVER 10-MIL VAPOR BARRIER.

2. SLAB-ON-GRADE SUPPORT: 4 INCH LAYER OF GRANULAR BASE CONSISTING OF AN OPEN GRADED CRUSHED STONE (ASTM C33 OR SIMILAR), OR AS DIRECTED IN GEOTECHNICAL REPORT (SEE ABOVE FOR INFO).

3. CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON SELECT FILL MATERIAL, AS NOTED ABOVE. FILL MATERIAL SHOULD BE MOISTENED, BUT NOT SATURATED PRIOR TO PLACING CONCRETE. CARE SHALL BE TAKEN IN PLACING SLABS ON GRADE SO AS NOT TO DISTURB FILL MATERIAL OR REINFORCING. THE FILL MATERIAL SHALL BE COMPACTED TO NO LESS THAN 95% COMPACTION @ MOISTURE CONTENT RANGE OF 3% BELOW TO 3% ABOVE OPTIMUM MOISTURE CONTENT BEFORE PLACEMENT OF SLABS.

## SHALLOW SPREAD FOOTINGS:

1. FROST DEPTH IS 24 INCHES BELOW GRADE.

2. ASSUMED FOOTING BEARING IS 2000 PSF. (CONTRACTOR TO VERIFY BEARING PRESSURE WITH GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTINGS)

3. ALL FOOTINGS SHALL EXTEND TO DEPTH NOTED ABOVE U.N.O. ON PLANS OR DETAIL. GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS, AND LOWEST ADJACENT COMPACTED SUBGRADE (PAD GRADE BEFORE LANDSCAPING) OR NATURAL GRADE WITHIN 5 FEET OF BUILDING FOR PERIMETER FOOTINGS. GRADE IS DEFINED AS TOP OF EXTERIOR PAVING OR CONCRETE WHERE EXTERIOR PAVING OR CONCRETE IS PERMANENTLY LOCATED DIRECTLY ADJACENT TO BUILDING AND EXTENDS AT LEAST 5 FEET FROM BUILDING. FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE FROM LOOSE DEBRIS, STANDING WATER, OR UNCOMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.

4. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.

5. SITE PREPARATION AND GRADING REQUIREMENTS OF THE GEOTECHNICAL REPORT AND ANY ADDENDA SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF FOUNDATIONS. ANY TESTS, INSPECTIONS, FIELD OBSERVATIONS, OR APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL BE PERFORMED PRIOR TO PLACEMENT OF FOUNDATION REINFORCING STEEL OR CONCRETE. ALTERATIONS TO SITE PREPARATION OR GRADING SHALL BE REPORTED TO THE ENGINEER PRIOR TO FOUNDATION CONSTRUCTION.

## CONCRETE:

1. MINIMUM 28 DAY STRENGTH (f<sub>c</sub>) SHALL BE AS FOLLOWS:

- FOUNDATIONS 4000 PSI, W/C = 0.45 BY WEIGHT (AIR-ENTRAINED)
- INTERIOR SLABS ON GROUND 4000 PSI, W/C = 0.50 BY WEIGHT
- OTHER EXPOSED CONCRETE 4000 PSI, W/C = 0.45 BY WEIGHT (AIR-ENTRAINED)

2. CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED LABORATORY AND APPROVED BY THE ENGINEER.

3. ALL CONCRETE SHALL BE REGULAR WEIGHT OF 145 POUNDS PER CUBIC FOOT USING HARDROCK AGGREGATES. AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33, CONCRETE AGGREGATES.

4. MAXIMUM SLUMP FOR EXTERIOR SLABS SHALL BE 5 INCHES. MAXIMUM SLUMP FOR ALL OTHER CONCRETE SHALL BE 4 INCHES. WATER SHALL BE CLEAN AND POTABLE. IF ADDITIONAL FLOWABILITY IS REQUIRED FOR PLACEMENT OF ANY CONCRETE MIX, A WATER-REDUCING ADDITIVE CONFORMING TO ASTM C494, TYPE A, SHALL BE USED. NO ADDITIONAL WATER MAY BE ADDED TO THE MIX. SEE DIVISION 9 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150. TYPE I CEMENT WITH A MAXIMUM CHLORIDE ION, PERCENT BY WEIGHT OF CEMENT, SHALL NOT EXCEED 0.15.

6. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT, UNLESS APPROVED BY THE ENGINEER OR AUTHORIZED TESTING AGENCY.

7. CONCRETE MIXING, PLACEMENT AND QUALITY SHALL BE PER IBC SECTION 1904, ASTM C 94, ASTM C 895, AND ACI 302. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT SLABS ON GRADE NEED ONLY BE VIBRATED OR THOROUGHLY RODDED AROUND EMBEDDED STRAPS OR HARDWARE. BOLTS FOR HOLDINGS, PT ANCHORAGES (AS OCCUR), CURBS AND EDGES OF SLAB STEPS AND UNDER FLOOR DUCTS OR SIMILAR ELEMENTS. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS AND COLUMNS SO AS TO CAUSE SEGREGATION OF AGGREGATES. UNCONFINED FALL SHALL NOT EXCEED 5 FEET. CARE SHALL BE TAKEN IN PLACING SLABS ON GRADE SO AS CONCRETE DOES NOT DISTURB FILL MATERIAL.

8. ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.

9. CONCRETE SLAB ON GRADE CONTROL JOINTS SHALL BE AS SHOWN ON THE FOUNDATION PLAN OR TYPICAL DETAILS. WHERE CONTROL JOINTS ARE NOT SHOWN ON PLANS, ALL CONCRETE SLABS ON GRADE SHALL BE BOUNDED BY KEYPED, DOWELED OR SAW-CUT CONTROL JOINTS SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 144 SQUARE FEET. RATIO OF BOUNDARY DIMENSIONS SHALL NOT EXCEED 1.5:1. KEYPED OR DOWELED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING. ALL OTHER JOINTS MAY BE SAW CUT. SAW CUT JOINTS SHALL BE CUT IN SLABS ON GRADE AS SOON AS POSSIBLE AFTER SLAB FINISHING AS MAY BE SAFELY DONE WITHOUT DISLOCATING AGGREGATE. POST-TENSIONED CONCRETE SLABS SHALL NOT HAVE CONTROL JOINTS UNLESS SPECIFICALLY NOTED ON THE PLANS. CONCRETE FLOOR FINISH TO BE GRIND AND POLISHED MIXED WITH AN INTEGRAL TOPICAL SEALANT.

10. CONSTRUCTION JOINTS OR POUR JOINTS IN STRUCTURAL ELEMENTS (BEAMS, COLUMNS, ELEVATED SLABS, ETC) NOT SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS REQUIRE PROPER APPROVAL OF THE ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING PROPOSED JOINTS TO ENGINEER FOR APPROVAL.

11. PIPES OTHER THAN ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY THE ENGINEER. MAXIMUM PIPE SIZE SHALL BE 1/3 OF THE SLAB THICKNESS AND LOCATED AT THE MID-DEPTH. MINIMUM SPACING SHALL BE 3 TIMES THE PIPE DIAMETER. PIPES SHALL NOT IMPAIR THE STRENGTH OF THE MEMBER.

12. PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH DUE TO HOT OR COLD WEATHER IN ACCORDANCE WITH ACI 305 AND 306 AND IBC SECTION 1905. CONTRACTOR SHALL TAKE SPECIAL CURING PRECAUTIONS TO MINIMIZE SHRINKAGE CRACKING OF POST-TENSIONED CONCRETE SLABS.

13. WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO EPCON G5. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEERS PRIOR APPROVAL.

## MASONRY (CONCRETE BLOCK):

1. COMPRESSIVE STRENGTH OF CONCRETE MASONRY CONSTRUCTION, (CMU) SHALL BE AS FOLLOWS (PSI). MASONRY STRENGTH NOT SPECIFICALLY NOTED ON PLAN SHALL BE (F<sub>m</sub>) 1500 PSI.

MASONRY STRENGTH (F <sub>m</sub> DESIGN)	= 1500 PSI
BLOCK STRENGTH	= 1900 PSI
TYPE M MORTAR STRENGTH	= 2500 PSI
TYPE S MORTAR STRENGTH	= 1800 PSI
GROUT STRENGTH	= 3000 PSI

2. CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, GRADE N-II. ALL BLOCKS SHALL BE PLACED IN RUNNING BOND CONSTRUCTION (UNLESS OTHERWISE NOTED) WITH ALL VERTICAL CELLS IN ALIGNMENT.

3. MORTAR MIX SHALL CONFORM TO REQUIREMENTS OF IBC SECTION 2103.8, TYPE M OR S, TYPE M MORTAR SHALL BE USED WHERE MASONRY IS IN CONTACT WITH SOIL.

4. GROUT: USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. ALL CELLS IN CONCRETE BLOCKS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED.

5. MINIMUM WALL VERTICAL REINFORCING, UNLESS NOTED OTHERWISE ON PLANS OR DETAILS, SHALL BE #5 BAR VERTICAL FULL HEIGHT IN CENTER OF GROUDED CELL AT ALL WALL INTERSECTIONS, CORNERS, WALL ENDS, JAMBS AT WALL OPENINGS, EACH SIDE OF CONTROL JOINTS, AND AT INTERVALS NOT TO EXCEED 48 INCHES ON CENTER. THE AT 8'-0" VERTICALLY, WITH SINGLE WIRE LOOP THE OR EQUIVALENT. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH AND LAP VERTICAL REINFORCING.

6. MINIMUM WALL HORIZONTAL REINFORCING, UNLESS NOTED OTHERWISE ON PLANS OR DETAILS, SHALL BE A SINGLE #5 BAR IN CENTER OF 8 INCH DEEP CONTINUOUS GROUDED BOND BEAM AT TOP OF PARAPET OR FREE STANDING WALL AND AT 8'-0" INTERVALS THROUGH CONTROL JOINTS. PROVIDE BENT BARS PER TYPICAL DETAILS TO MATCH AND LAP HORIZONTAL BOND BEAM REINFORCING AT CORNERS AND WALL INTERSECTIONS TO MAINTAIN BOND BEAM CONTINUITY. USE BOND BEAM UNITS AT HORIZONTAL REINFORCING.

7. MINIMUM LINTEL, WHERE NOT NOTED ON PLANS, SHALL HAVE A MINIMUM OF (2) #5 CONTINUOUS HORIZONTAL BARS IN BOTTOM OF BOND BEAM AND Lintel BLOCK AND SHALL BE GROUTED SOLID TO A MINIMUM DEPTH OF 24 INCHES. ALL Lintel REINFORCING AND GROUT SHALL EXTEND 2 FEET MINIMUM PAST JAMBS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

8. LAP REINFORCING 60 BAR DIAMETERS FOR GRADE 60. STAGGER LAP SPLICES A MINIMUM OF ONE LAP LENGTH.

9. RETAINING WALLS, BASEMENT WALLS, ETC., SHALL BE ADEQUATELY WATERPROOFED AND DRAINED AS SPECIFIED BY OTHERS. IF NOT SPECIFIED BY OTHERS UNLESS NOTED OTHERWISE, DRAINAGE THROUGH RETAINING WALLS SHALL BE PROVIDED BY MEANS OF 1 1/2" DIA. HOLE AT 4 FEET O.C. AT LOW GRADE LEVEL. PROVIDE 2" GRAVEL COVER WITH FABRIC COVER AT DRAIN HOLES.

10. MASONRY VENEER SHALL BE ATTACHED TO SUPPORTING WALL FRAMING WITH 3/8" DIA. WALL TIES OR DOVETAIL-TYPE METAL TIES OF EQUIVALENT STIFFNESS EMBEDDED INTO HORIZONTAL MORTAR JOINTS. MAX. VERTICAL SPACING OF TIES SHALL BE 16". MAX. HORIZONTAL SPACING SHALL BE 24". TIES IN ALTERNATE COURSES SHALL BE STAGGERED. PROVIDE 9 GA. WIRE REINFORCING IN HORIZONTAL MORTAR JOINTS AT 16" O.C. ENGAGE 9 GA. WIRE WITH WALL ANCHOR TIES. CONSTRUCTION JOINTS IN MASONRY VENEER WALLS SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS.

11. HORIZONTAL JOINTS SHALL BE REINFORCED WITH 9-GAUGE TRUSS-TYPE JOINT REINFORCEMENT EQUAL TO "DURAWALL" @ 16" O.C.

## STRUCTURAL STEEL:

1. STRUCTURAL STEEL MEMBERS SHALL CONFORM WITH THE FOLLOWING STANDARDS AND MATERIAL PROPERTIES UNLESS NOTED OTHERWISE:

SHAPE	STANDARD	F <sub>y</sub>
ROLLED WIDE FLANGE SECTIONS:	ASTM 992	50 KSI
OTHER STANDARD STEEL SHAPES AND ROLLED SECTIONS:	ASTM A36	36 KSI
BARs AND PLATES:	ASTM A36	36 KSI
TUBES:	ASTM A500	46 KSI
PIPE:	ASTM A53 GR.B OR A500 GR.B	36 KSI 42 KSI
BOLTS AT STEEL CONNECTIONS:	ASTM A325 OR A490	----

2. ALL BOLTS SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS EXCLUDED FROM SHEAR PLANE (TYPE "X" CONNECTION), UNLESS NOTED OTHERWISE. HIGH-STRENGTH BOLTS SHALL BE TIGHTENED USING ANY AISC APPROVED METHOD.

3. ALL THREADED ROD, THREADED STUDS, FOUNDATION ANCHOR BOLTS, AND ALL BOLTED CONNECTIONS INVOLVING WOOD MEMBERS SHALL BE ASTM A-307 UNLESS NOTED OTHERWISE. ALL EXPANSION OR EPOXY BOLTS SHALL HAVE CURRENT ICBO RATING FOR MATERIAL INTO WHICH INSTALLATION OCCURS. HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AMERICAN WELDING SOCIETY (AWS). ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD.

4. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.

5. ALL WELDING SHALL USE E70 SERIES LOW HYDROGEN ELECTRODES UNLESS NOTED OTHERWISE. ALL WELDING SHALL CONFORM TO THE LATEST AMERICAN WELDING SOCIETY (AWS) STANDARDS. WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION.

6. GROUT BENEATH COLUMN BASES OR BEARING PLATES SHALL BE 5,000 PSI (MIN) NON-SHRINK FLOWABLE GROUT OR DRYPAK. INSTALL GROUT UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL GROUT UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION. GROUT DEPTH SHALL BE SUFFICIENT TO ALLOW GROUT OR DRYPAK TO BE PLACED BENEATH PLATE WITHOUT VOIDS.

7. DETAILS OUTLINE BASIC CONNECTION TYPES. BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS NOT DETAILED IN DRAWINGS SHALL BE SIZED BY STEEL DETAILER AS STANDARD AISC. TYPE 2, BEARING CONNECTIONS CAPABLE OF SUPPORTING REACTIONS DEVELOPED BY MAXIMUM UNIFORM LOAD CAPACITY ON A SIMPLE SPAN FOR BEAM AND BEAM SPAN GIVEN.

8. STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND ERECTED ACCORDING TO ALL APPLICABLE SECTIONS OF THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED INDICATING COMPLETE INFORMATION REQUIRED FOR CONSTRUCTION OF STRUCTURAL STEEL. SHOP DRAWINGS SHALL INCLUDE LAYOUT AND DIMENSIONS OF FRAMING PLANS, CONNECTION DETAILS, AND SEQUENCE, ETC.

9. FOUNDATION ANCHOR RODS SHALL BE AS CALLED OUT IN THE COLUMN TABLE AND IN BASE PLATE DETAILS, WITH LEVELING NUTS. IF NOT CALLED OUT, USE 1/54 3/4" DIAMETER WITH 10" EMBEDMENT AND EMBEDDED NUT.

10. ALL EXPOSED STEEL SHALL BE GALVANIZED U.N.O., INCLUDING MASONRY SUPPORT LINTELS. RE: DIVISION 5 OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

11. FIELD CUTTING, DRILLING OR OTHER MODIFICATION OF STRUCTURAL STEEL COMPONENTS IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. WHERE BEAM PENETRATIONS CANNOT BE AVOIDED OR WHERE CUTTING IS REQUIRED, CONTRACTOR SHALL SUBMIT TO THE ENGINEER, ALL PERTINENT INFORMATION INCLUDING PENETRATION SHAPE, SIZE LOCATION AND METHOD OF CUTTING THE OPENING.

## STRUCTURAL LUMBER:

1. LUMBER SHALL BE GOOD SOUND, WELL SEASONED, S4S, AND MOISTURE CONTENT OF 15% MAXIMUM WITH THE FOLLOWING ALLOWABLE STRESSES: STUDS, JOISTS, AND BEAMS:

#2 DOUGLAS-FIR OR BETTER	
A. F <sub>b</sub> = 900 PSI	
B. F <sub>c</sub> = 1350 PSI	
C. F <sub>v</sub> = 180 PSI	
D. E = 1600000 PSI	

2. NAILERS, BLOCKINGS, FURRING, GROUNDS, ETC. S-P-F NO. 2 OR BETTER.

3. ALL WOOD FRAMING SHALL BE SELECTED SUCH THAT NO LUMBER WITH LARGE KNOTS, WARPS, SPLITS, OR DEFECTS IS USED.

4. ROOF DECKING SHALL BE 5/8" THICK APA C-C EXTERIOR GRADE OSB UNLESS NOTED OTHERWISE WITH 10x COMMON NAIL AT 6" AT SUPPORTED EDGES W 1-5/8" PENETRATION AND 12" O.C. ON INTERMEDIATE EDGES.

5. OSB SHEAR WALLS 7/16" THICK WITH #4 NAIL AT 6" SPACING AT BLOCKED PANEL EDGES WITH 1-5/8" NAIL PENETRATION AND 12" O.C. ON INTERMEDIATE SUPPORTS.

6. FABRICATED WOOD PRODUCTS (INCLUDING JOISTS, BEAMS, ETC.) SHALL BE DESIGNED, FABRICATED, AND ERECTED BY THE SUPPLIER IN ACCORDANCE WITH THE APPROPRIATE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC), AMERICAN PLYWOOD ASSOCIATION (APA), TRUSS PLATE INSTITUTE (TPI), AND THE BUILDING CODE IN THE CASE OF CONFLICTING DESIGN VALUES, THE MORE CONSERVATIVE VALUE SHALL BE USED.

7. WOOD FRAMING, ROUGH CARPENTRY, AND MISCELLANEOUS WOOD CARPENTRY WORK SHALL BE GOVERNED BY 2012 INTERNATIONAL BUILDING CODE REQUIREMENTS. ALL SUCH WORK SHALL COMPLY WITH CONSTRUCTION, CONNECTION AND GENERAL REQUIREMENTS OF CHAPTER 23 OF THE CODE. IT SHALL BE A REQUIREMENT OF THIS CONTRACT THAT THE CONTRACTOR PROVIDE A COPY OF THIS CHAPTER TO ALL PERTINENT PARTIES.

8. LAMINATED VENEER LUMBER (LVL) BEAMS AS CALLED OUT IN THE PLANS ARE SIZED AS PER "TRUSS JOIST CORPORATION" RECOMMENDATIONS. ALTERNATIVE LVL BEAMS WILL BE CONSIDERED IF PROPER DESIGN INFORMATION IS SUBMITTED AND APPROVED AS EQUAL.

9. ALL BEAMS BEARING PERPENDICULAR TO WALL FRAMING SHALL BE SUPPORTED BY MULTIPLE STUDS FOR THE FULL WIDTH OF THE BEAM. MULTIPLE STUDS SHALL BE CONTINUED TO FOUNDATION.

10. AT OPENINGS OVER 5'-0" IN WIDTH, PROVIDE 2-x 2x KING STUDS AT EACH SIDE OF OPENING.

11. CONNECTORS FOR WOOD CONSTRUCTION SHALL BE SIMPSON OR APPROVED EQUAL. SIMPSON DESIGNATIONS FOR CONNECTORS ARE INDICATED ON PLAN. CONNECTORS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.

12. INTERIOR NON LOAD-BEARING WALL HEADER SIZES ARE AS FOLLOWS:  
A. 2x4 (FLAT) ---- SPANS 0'-0" TO 4'-0".  
B. (2)2x4 (FLAT) ---- SPANS 4'-0" TO 10'-0".  
C. (2)2x6 ---- SPANS 7'-0" TO 13'-0".

13. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE-TREATED. ALL WOOD STUDS, COLUMNS, AND POSTS IN CRAWL SPACES SHALL BE PRESERVATIVE-TREATED. WHERE WOOD JOISTS OR THE BOTTOM OF A WOOD STRUCTURAL FLOOR WITHOUT JOISTS ARE CLOSER THAN 18 INCHES, OR WOOD BEAMS ARE CLOSER THAN 12 INCHES TO THE EXPOSED GROUND IN CRAWL SPACES, THE FLOOR ASSEMBLY (INCLUDING BEAMS, JOISTS, AND SUBFLOOR) SHALL BE PRESERVATIVE-TREATED.

## SPECIAL INSPECTIONS

PER 2012 IBC CHAPTER 17

THE OWNER SHALL EMPLOY A REGISTERED ENGINEER OR TEST AGENCY WITH EXPERIENCED TECHNICIANS UNDER THE DIRECT SUPERVISION OF A REGISTERED ENGINEER TO PERFORM THE DUTIES OF THE SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE.

DUTIES AND RESPONSIBILITIES OF THE INSPECTOR:

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS, AND THE FOLLOWING TABLE.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CURRENT BUILDING CODE. REPORTS SHALL COMPLY WITH THE REQUIREMENTS OF IBC SECTION 1704.1.

ITEM	SPECIAL INSPECTION	REMARKS
SOIL	NO	
CONCRETE CONSTRUCTION	YES	PER IBC 1705.3
MASONRY CONSTRUCTION	YES	PER IBC 1705.4
FABRICATORS	YES	PER IBC 1704.2.5
STEEL CONSTRUCTION	YES	PER IBC 1705.2

## CONNECTION TYPE:

- JOIST TO JOIST OR GIRDER, TOENAIL
- BRIDGING TO SILL
- 1"x6" (25MMx152MM) SUBFLOOR OR LESS TO JOIST
- WIDER THAN 1" X 6" (25MMx152MM) SUBFLOOR TO JOIST
- 2" (52MM) SUBFLOOR TO GIRDER
- SOLE PLATE TO JOIST OR BLOCKING
- SOLE PLATE TO JOIST OR BLOCKING, AT BRACED W. PANELS
- TOP PLATE TO STUD
- STUD TO SOLE PLATE
- DOUBLE STUDS
- DOUBLE TOP PLATES
- DOUBLE TOP PLATES, LAP SPICE
- BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE
- RIM JOIST TO TOP PLATE
- TOP PLATES, LAPS AND INTERSECTIONS
- CONTINUOUS HEADER, TWO PIECES
- CEILING JOISTS TO PL OR ARCHITECT OF RECORD AND OTHER DESIGNATED
- CONTINUOUS HEADER TO STUD
- CEILING JOISTS, LAP OVER PARTITIONS
- CEILING JOISTS TO PARALLEL RAFTERS
- RAFTER TO PLATE
- 22" 1" (25MM) BRACE TO EACH STUD AND PLATE
- 1"x6" SHEATHING OR LESS TO EACH BEARING
- WIDER THAN 1"x6" SHEATHING TO EACH BEARING
- BUILT-UP CORNER STUDS
- 16d @ 24" O.C.
- 2" PLANKS
- 16d AT EACH BEARING
- 3- 10d FACE NAIL
- JACK RAFTER TO HIP
- ROOF RAFTER TO 2-BY RIDGE BEAM
- JOIST TO BAND JOIST
- LEDGER STRIP
- BUILT-UP GIRDER AND BEAMS

## NAILING:

- 3- 8d TOENAIL
- 2- 8d TOENAIL EACH END
- 3- 8d FACE NAIL
- 3- 8d FACE NAIL
- 2- 16d BLIND AND FACE NAIL
- 16d @ 16" O.C. TYP. FACE NAIL
- 3- 16d @ 16" O.C.
- 2- 16d END NAIL
- 4- 8d TOENAIL OR 2 - 16d END NAIL
- 16d @ 24" O.C. FACE NAIL
- 16d @ 16" O.C. FACE NAIL
- 8- 16d
- 3- 8d TOENAIL
- 2- 16d FACE NAIL
- 16d @ 16" O.C. ALONG EDGE
- 3- 16d @ 16" O.C. TYP. FACE NAIL
- 4- 8d TOENAIL
- 3- 16d MIN. FACE NAIL
- 3- 16d MIN. FACE NAIL
- 3- 8d TOENAIL
- 2- 8d FACE NAIL
- 3- 8d FACE NAIL
- 3- 16d FACE NAIL
- 16d @ 24" O.C.
- 16d AT EACH BEARING
- 3- 10d FACE NAIL
- 3- 10d TOENAIL OR 2 - 16d FACE NAIL
- 2- 16d TOENAIL OR 2 - 16d FACE NAIL
- 3- 16d FACE NAIL
- 3- 16d FACE NAIL
- 20d @ 32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES AND 2 - 20d FACE NAILS AT ENDS AND AT EACH SPLICE

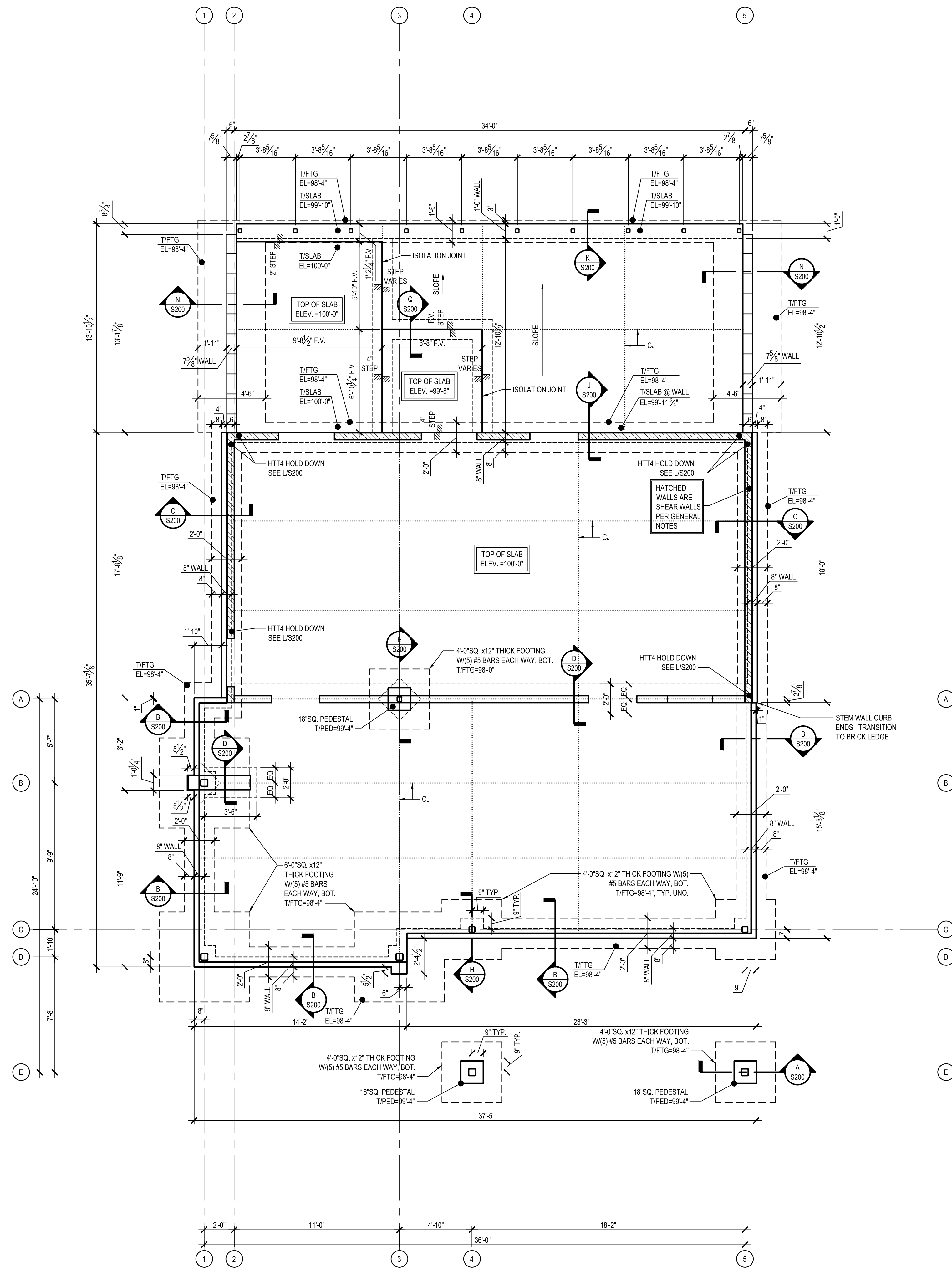
## REINFORCING STEEL (FOR CONCRETE AND MASONRY):

1. REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-05) BY THE AMERICAN CONCRETE INSTITUTE.

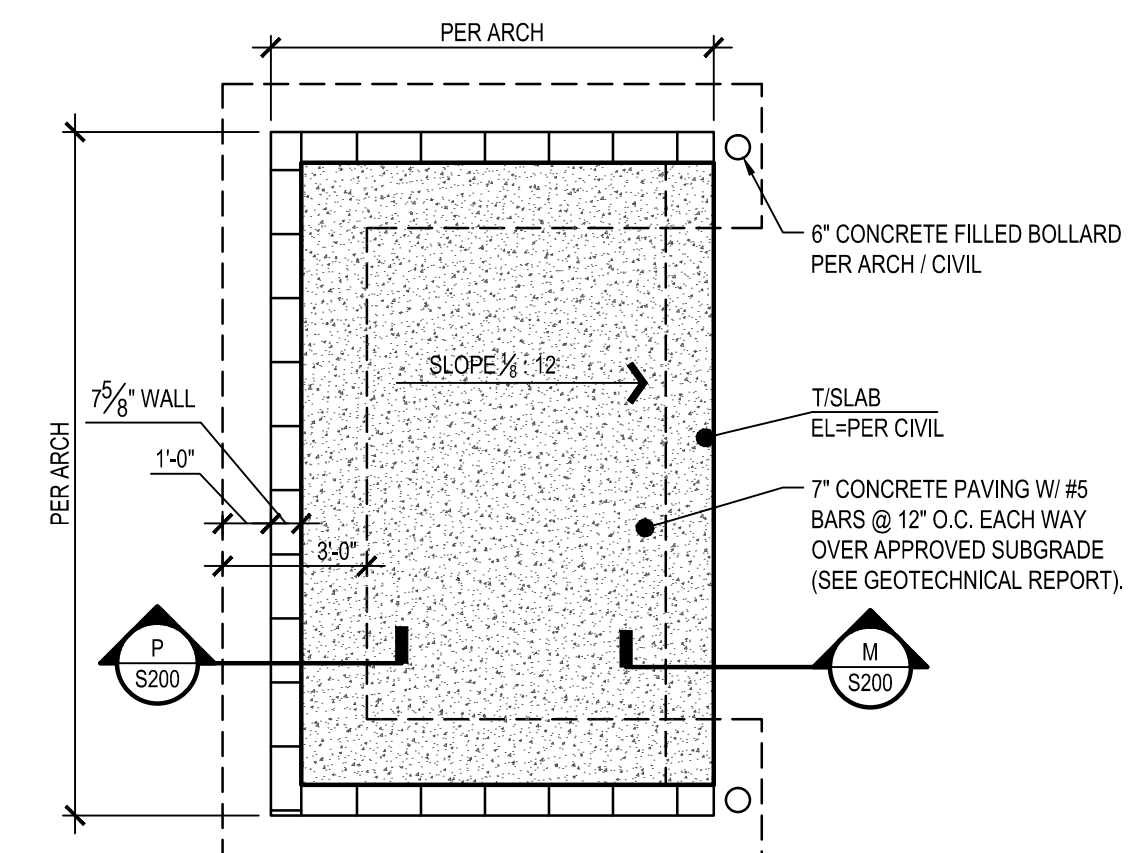
2. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE "ACI STANDARD: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315) AND THE "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES" (ACI 315R) BY THE AMERICAN CONCRETE INSTITUTE. THE MOST CURRENT EDITIONS OF CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS" MAY ALSO BE USED.

3. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A



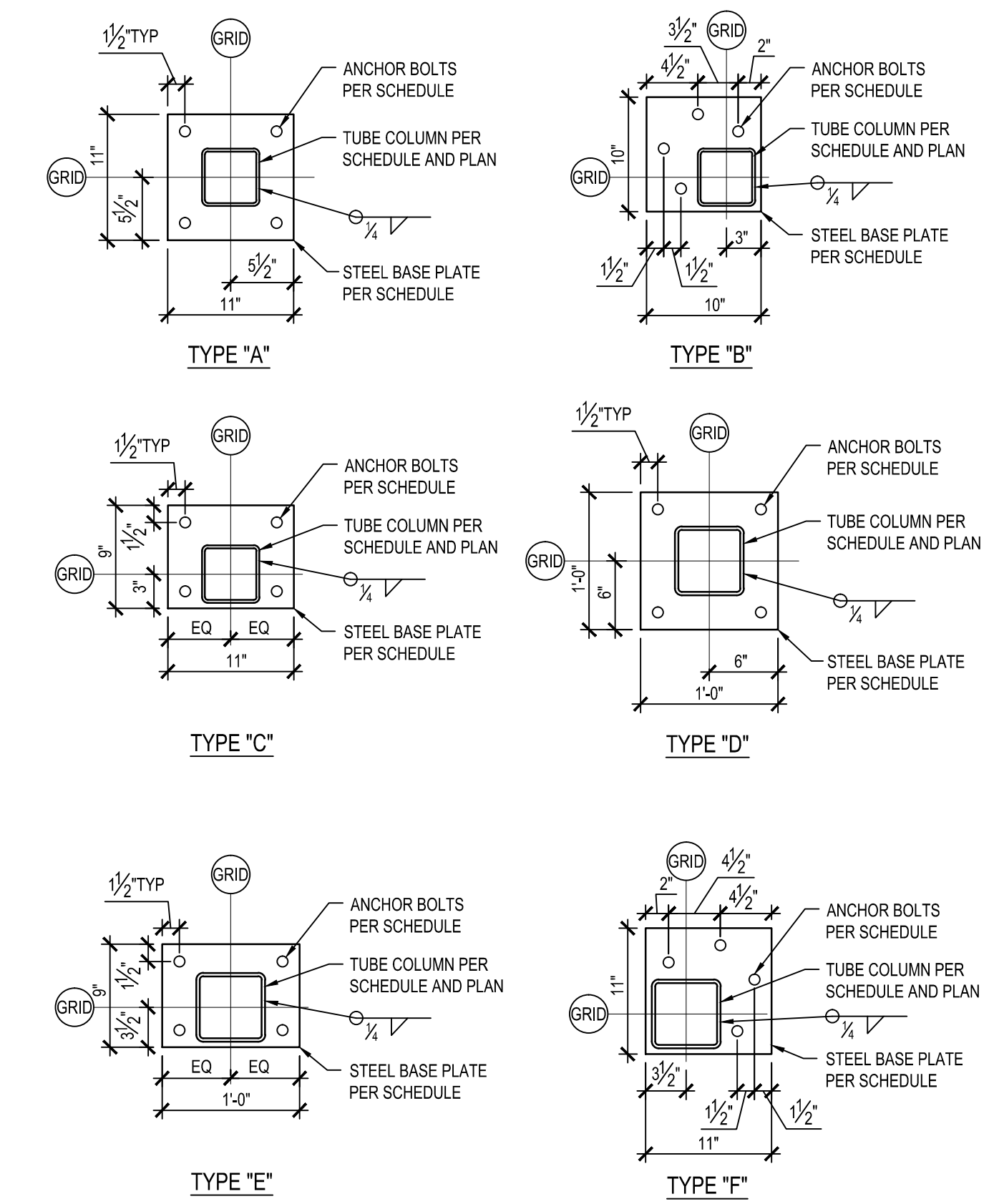


**A FOUNDATION PLAN**  
S100 Scale: 1/4" = 1'-0"



**B DUMPSTER ENCLOSURE**  
Scale: 1/4" = 1'-0"

MARK	COLUMN SHAPE	BASE PLATE TYPE	BASE PLATE			ANCHOR BOLTS			
			THICK (in.)	LENGTH (in.)	WIDTH (in.)	TYPE	DIAMETER (in.)	EMBED (in.)	TYPE
A-3	HSS4x4 1/2	TYPE A	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
B-1	HSS6x6 1/2	TYPE E	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
C-4	HSS5x5 1/2	TYPE C	1"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
C-6	HSS5x5 1/2	TYPE B	1"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
D-1	HSS6x6 1/2	TYPE F	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
D-3	HSS6x6 1/2	TYPE F	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
E-4	HSS6x6 1/2	TYPE D	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER
E-5	HSS6x6 1/2	TYPE D	3/4"	SEE BELOW	SEE BELOW	F1554	3/4"	9"	NUT & WASHER



**GENERAL PLAN NOTES**

- T/SLAB ELEVATION OF 100'-0". THIS IS A REFERENCE ELEVATION, NOT USGS. USGS 707.67 = 100'-0"
- SLAB ON GRADE IS 4" THICK EXCEPT AS INDICATED WITH 6x6x1/4 W/1.4 WWF OVER 10 MIL VAPOR RETARDER OVER 4" OPEN GRADED GRAVEL (ASTM C33 No.57).
- CJ - CONTROL OR CONSTRUCTION JOINT IN FLOOR SLAB, SEE G/S200 & F/S200 RESPECTIVELY.
- SEE ARCHITECTURAL AND PLUMBING SHEETS FOR WATER-PROOFING AND STORM WATER DRAINAGE REQUIREMENTS.
- SEE SHEET S000 FOR GENERAL STRUCTURAL NOTES.
- SLOPE SLAB TO FLOOR DRAINS.
- CONCRETE FLOOR FINISH TO BE GRIND AND POLISHED MIXED WITH AN INTEGRAL TOPICAL SEALANT PER ARCH. & SPECIFICATIONS.

**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY, AR**  
 2375 DAVE WARD DRIVE  
**BID / PERMIT**  
 March 9, 2015  
**ARCHITECT**  
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**Structural Design**  
 WWW.STRUCTURALDESIGN.COM  
 CONSULTANT

REVISION SCHEDULE		
NO.	DATE	ISSUE

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 Drawn By: MGD  
 Project Number: 15-037  
 Engineer: Alan R Mettemeyer  
 A/E License Number: 10369

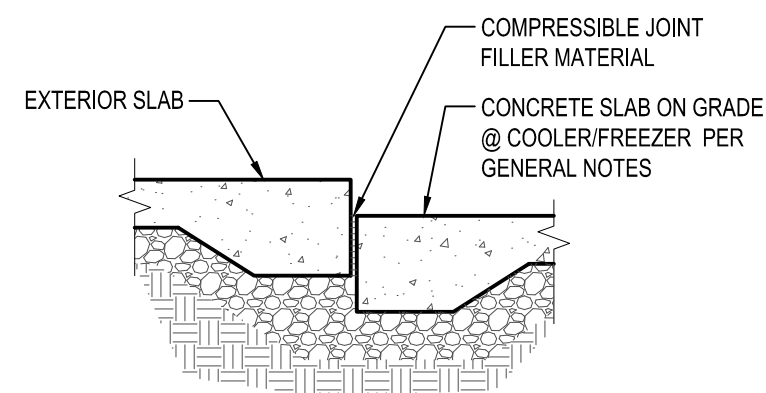


**SHEET**  
**FOUNDATION PLAN**

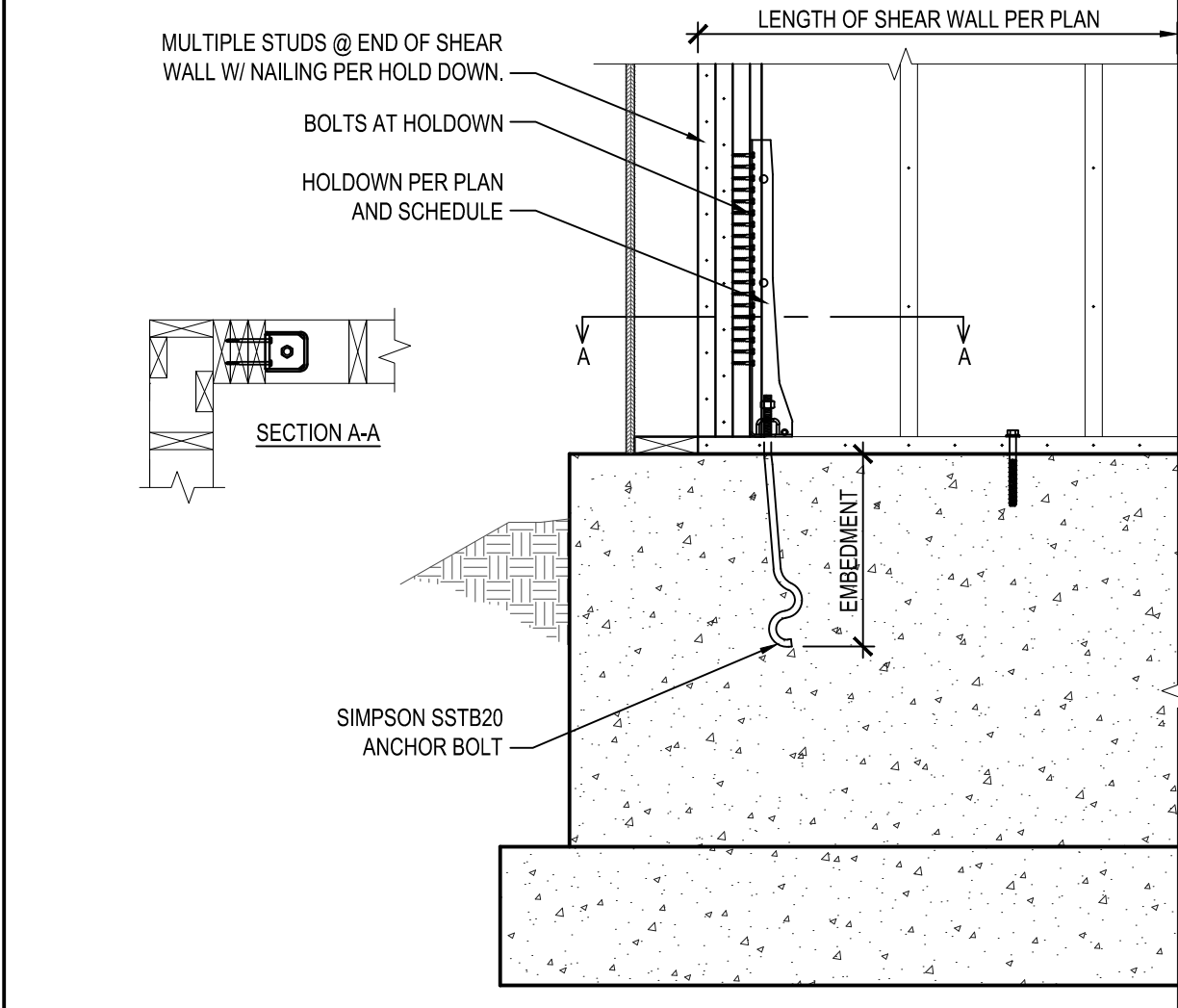
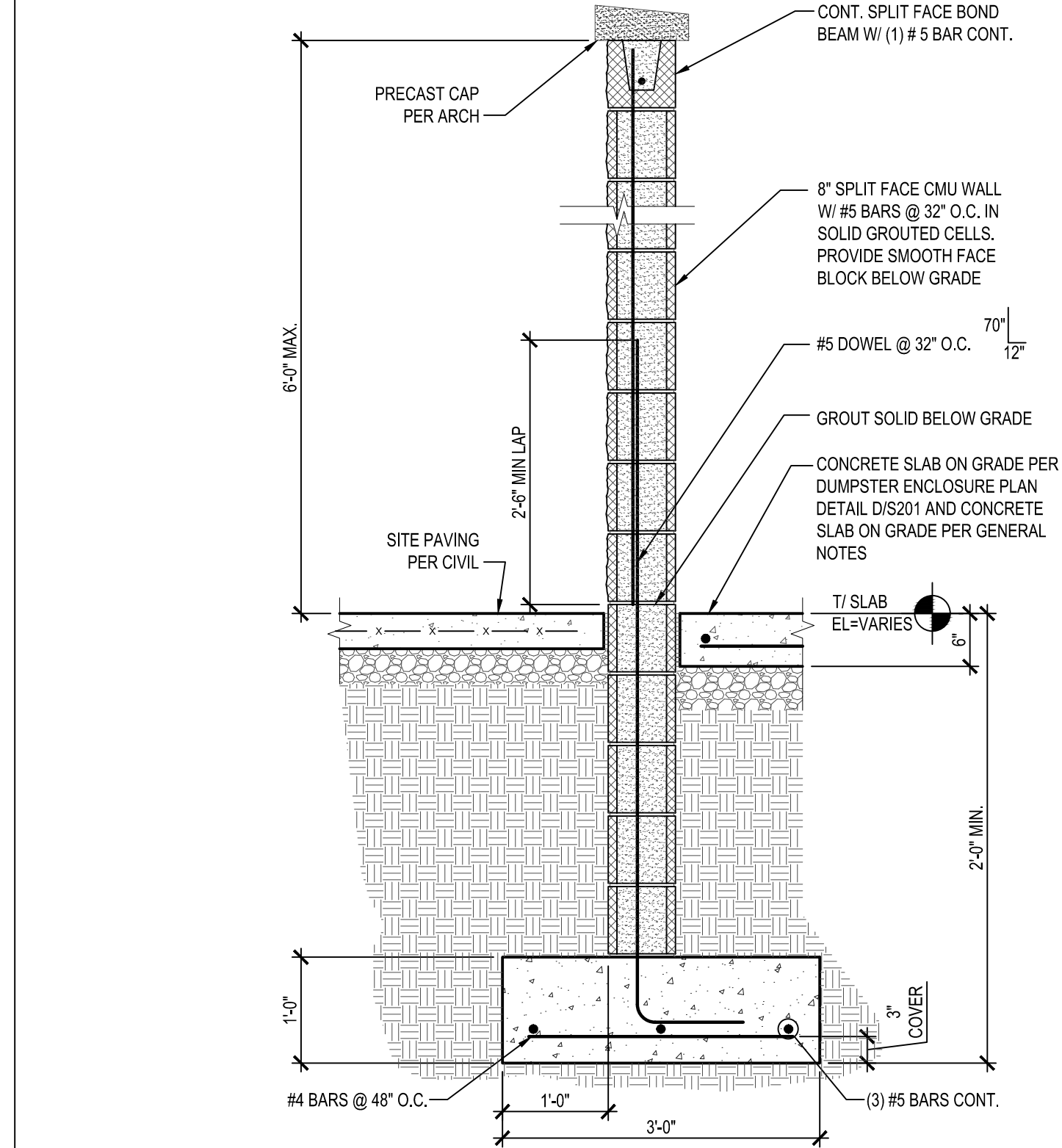
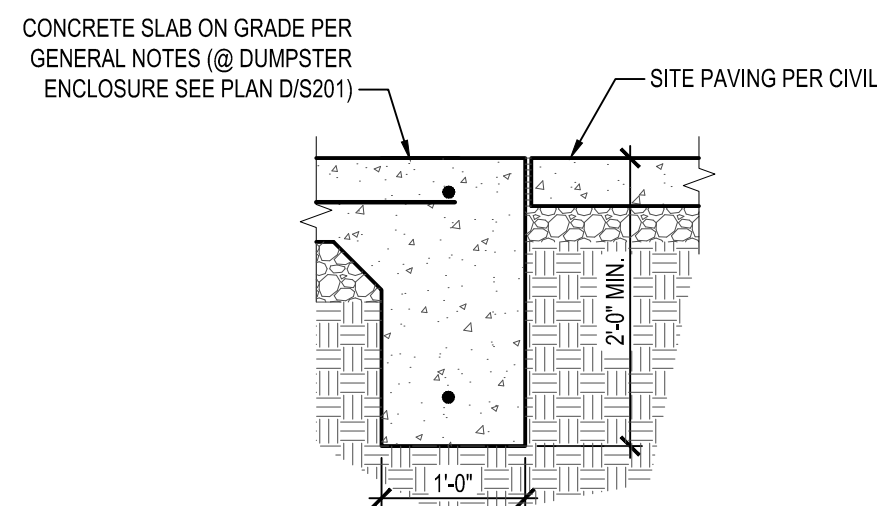
**S100**



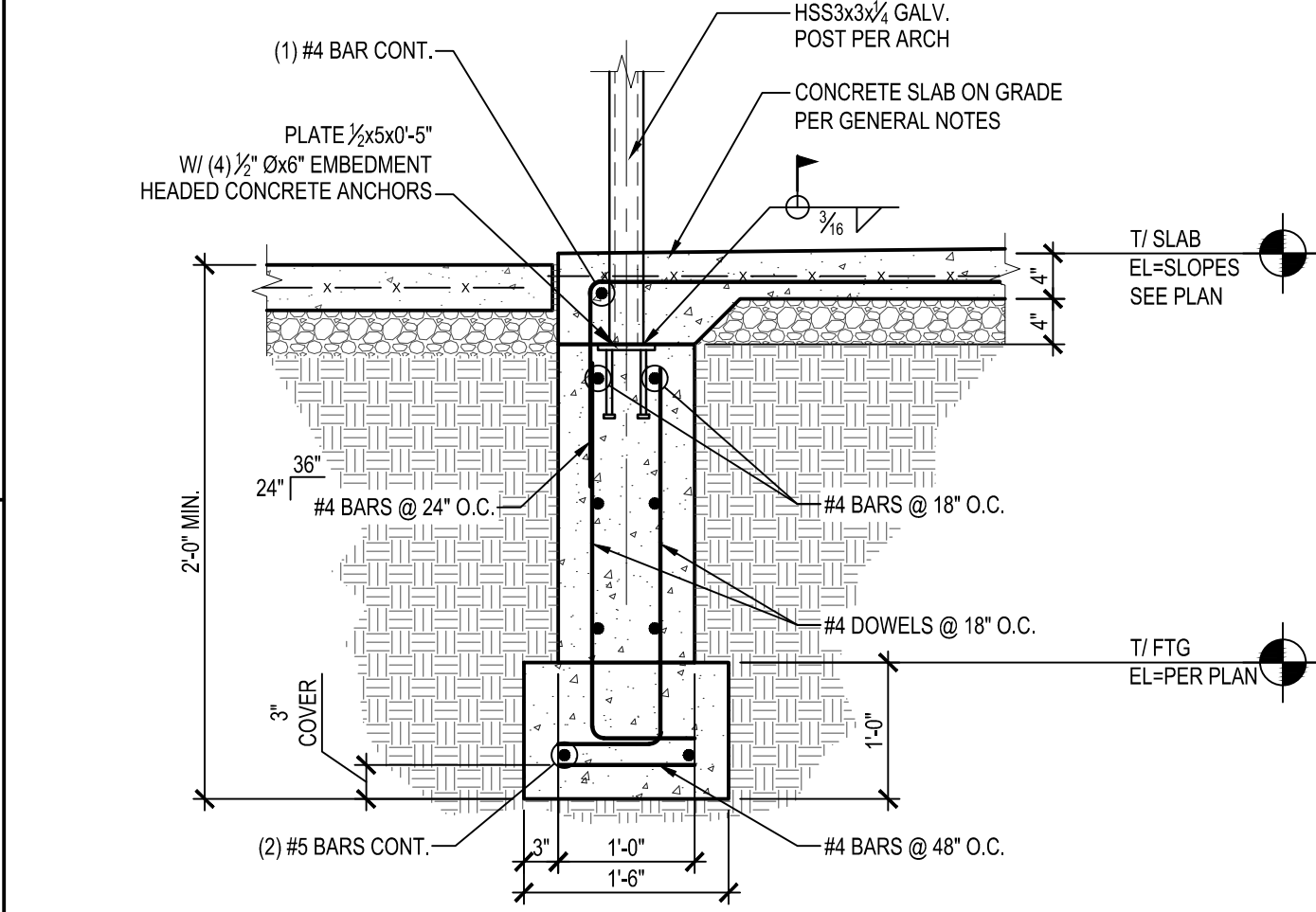
**Q ISOLATION JOINT**  
Scale: 3/4" = 1'-0"



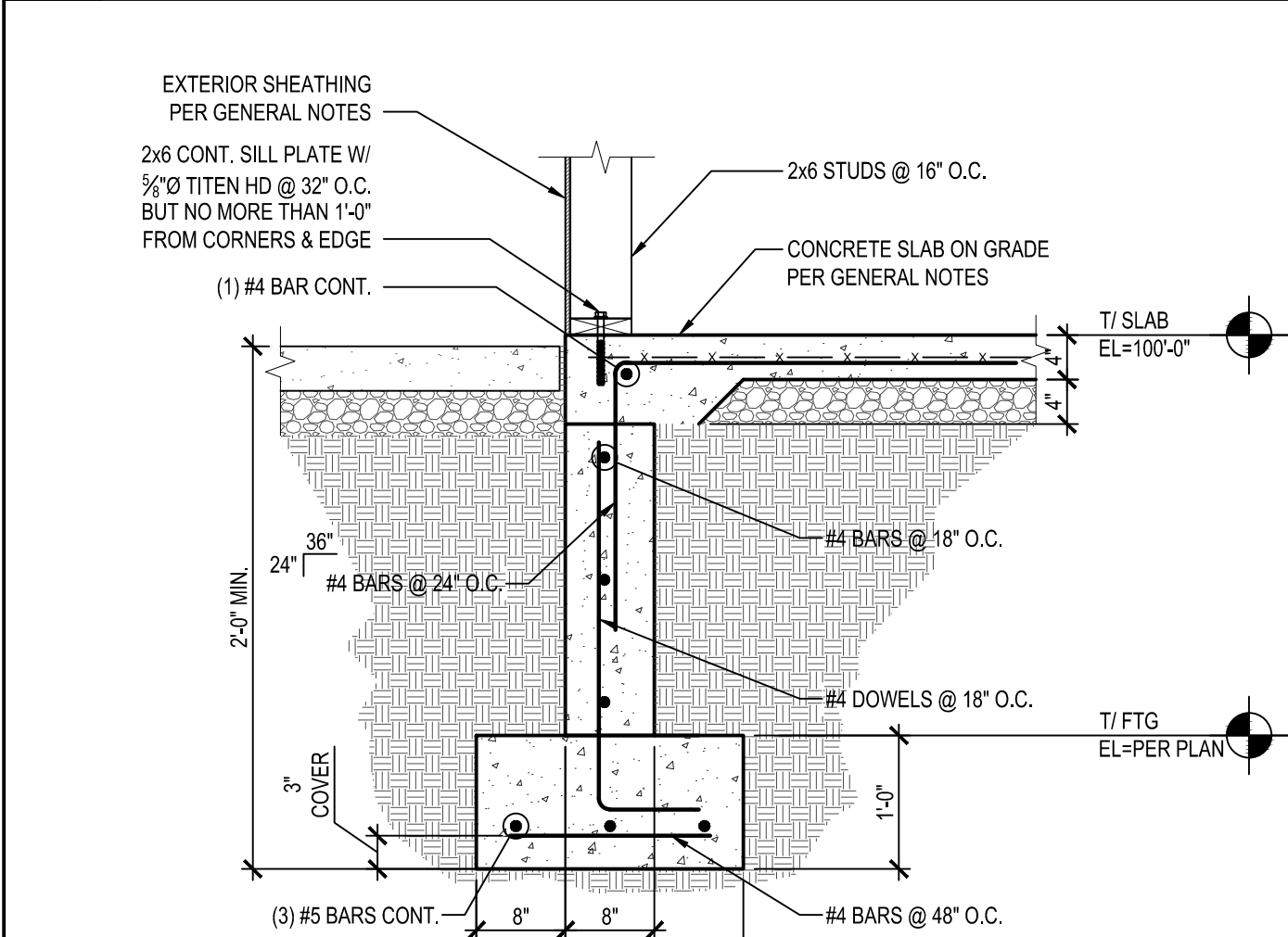
**M SLAB EDGE TURNDOWN**  
Scale: 3/4" = 1'-0"



**L TYPICAL HOLD DOWN DETAIL**  
Scale: 3/4" = 1'-0"

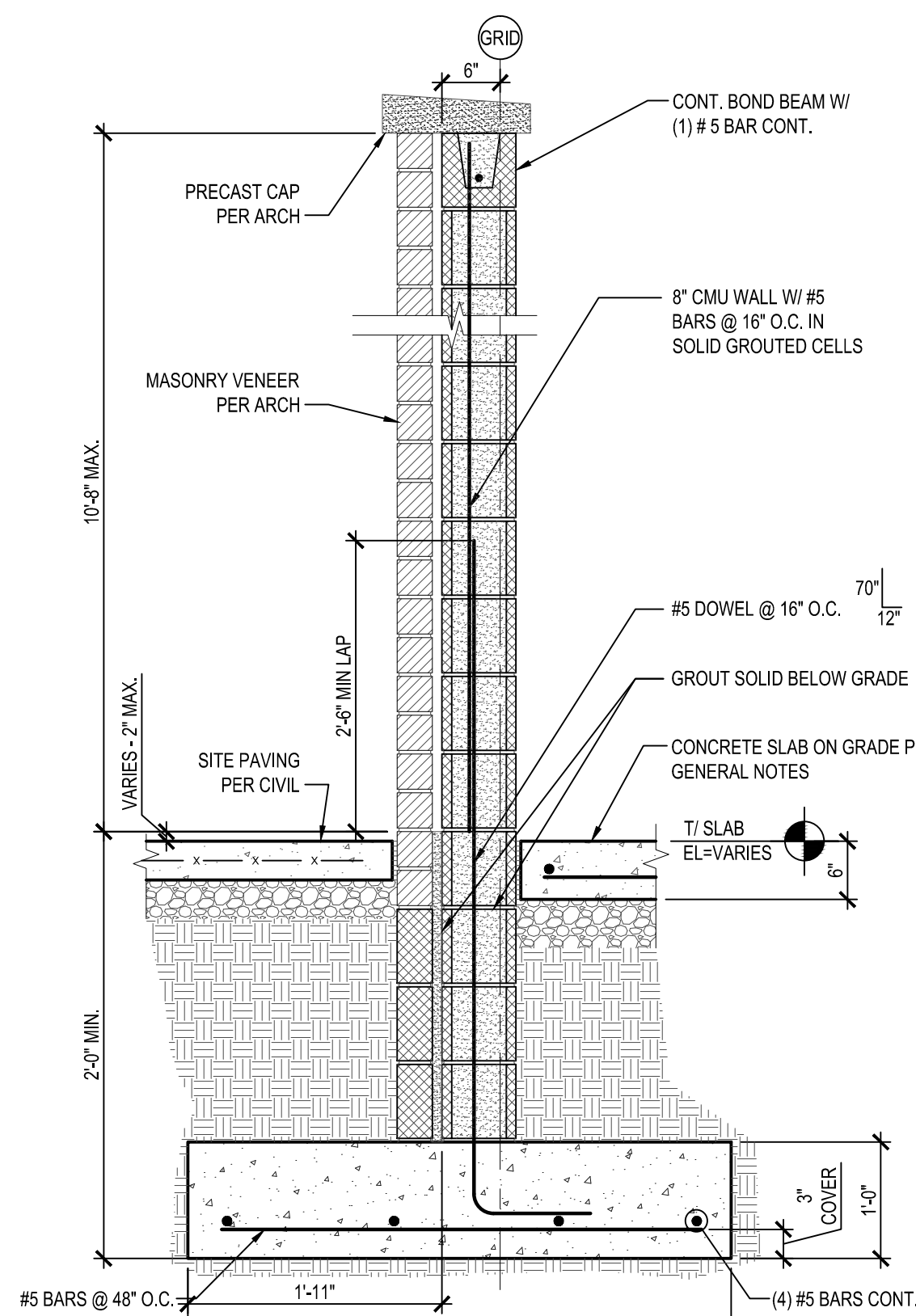


**K MECH. SCREEN COLUMN**  
Scale: 3/4" = 1'-0"



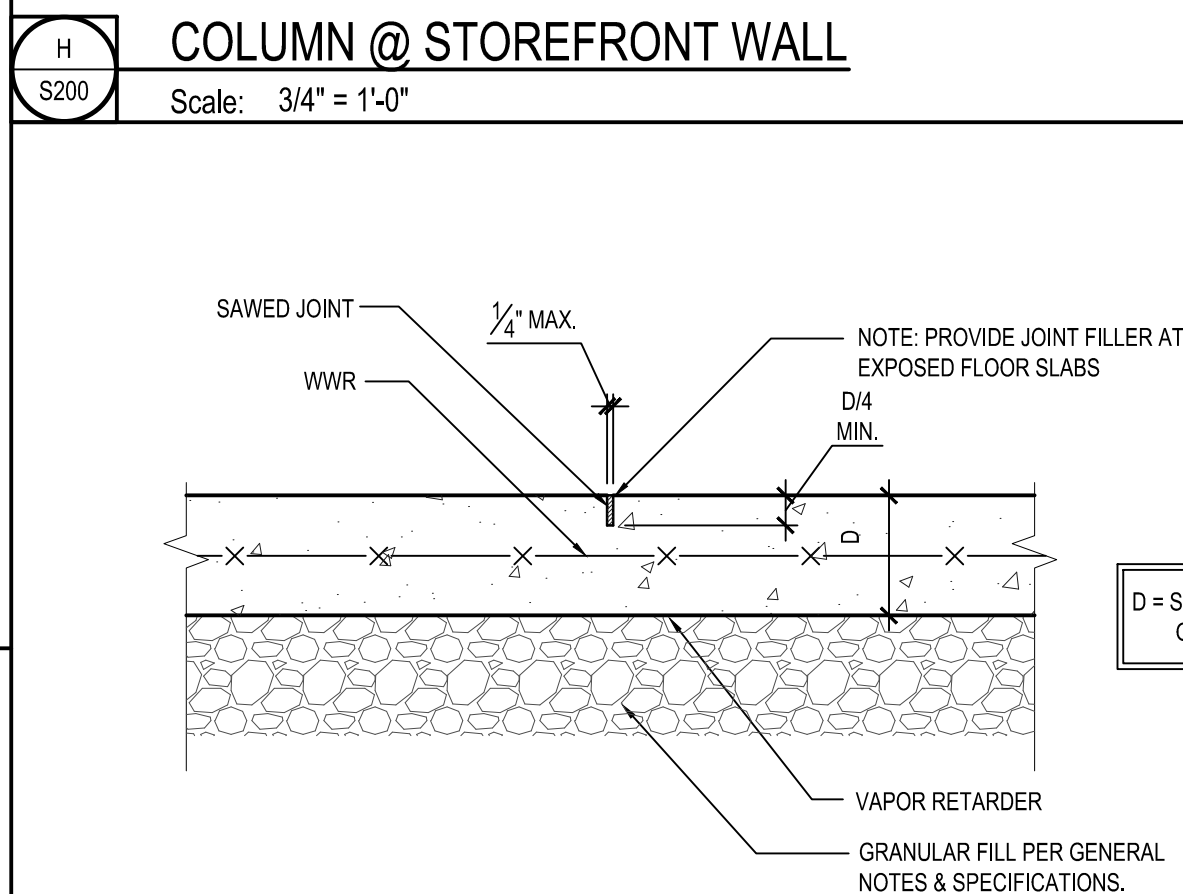
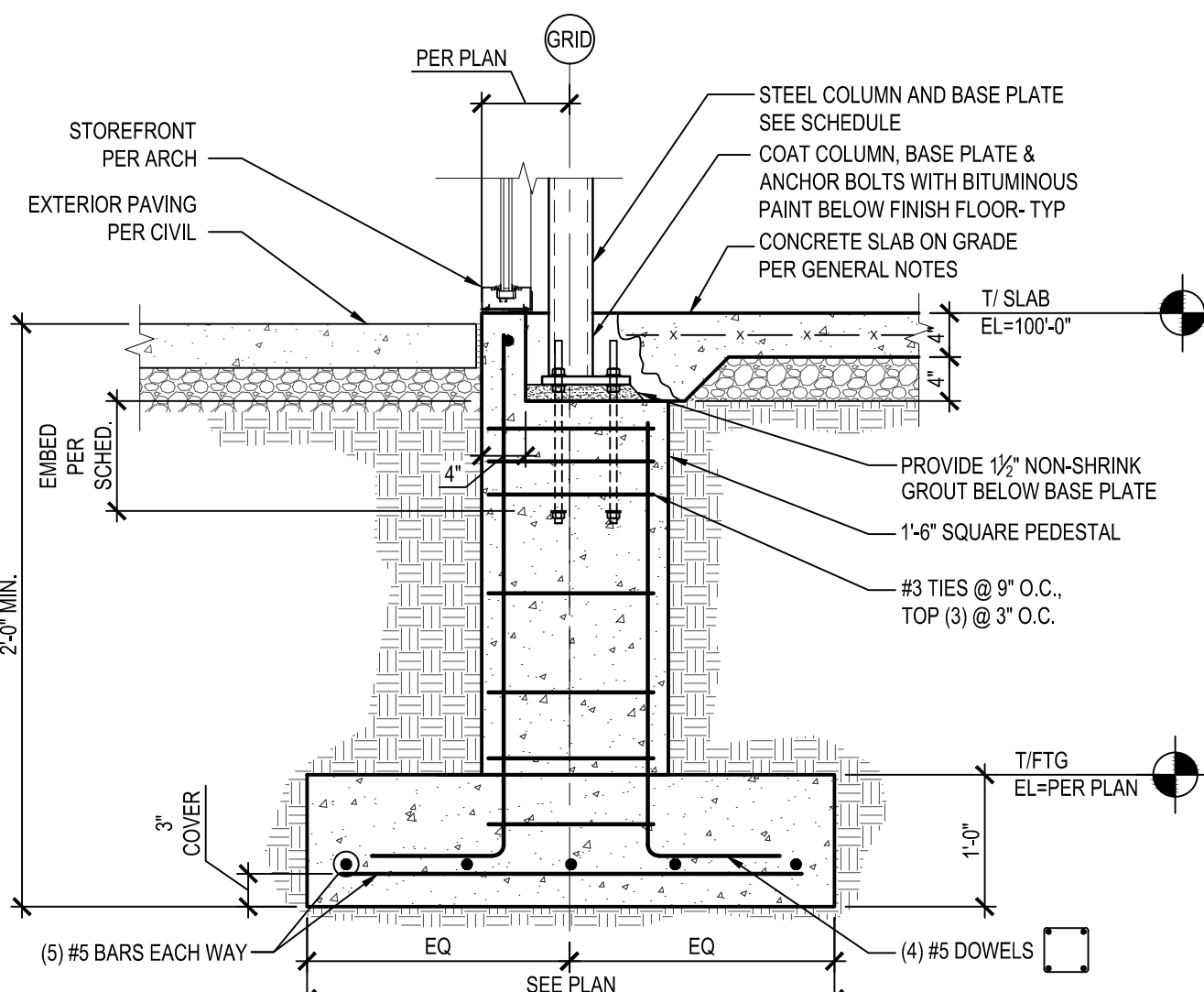
**J BACK WALL DETAIL**  
Scale: 3/4" = 1'-0"

**P DUMPSTER SCREEN WALL**  
Scale: 3/4" = 1'-0"

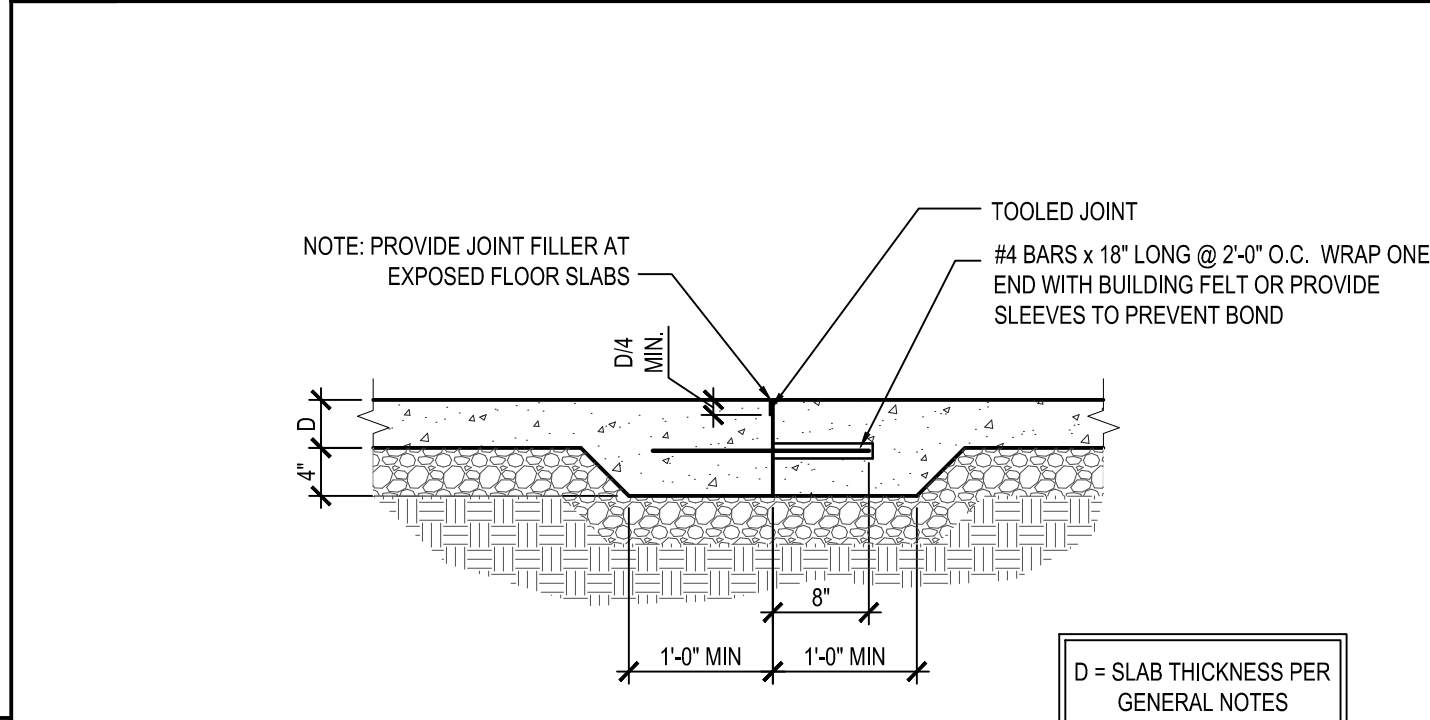


**N MASONRY SCREEN WALL DETAIL**  
Scale: 3/4" = 1'-0"

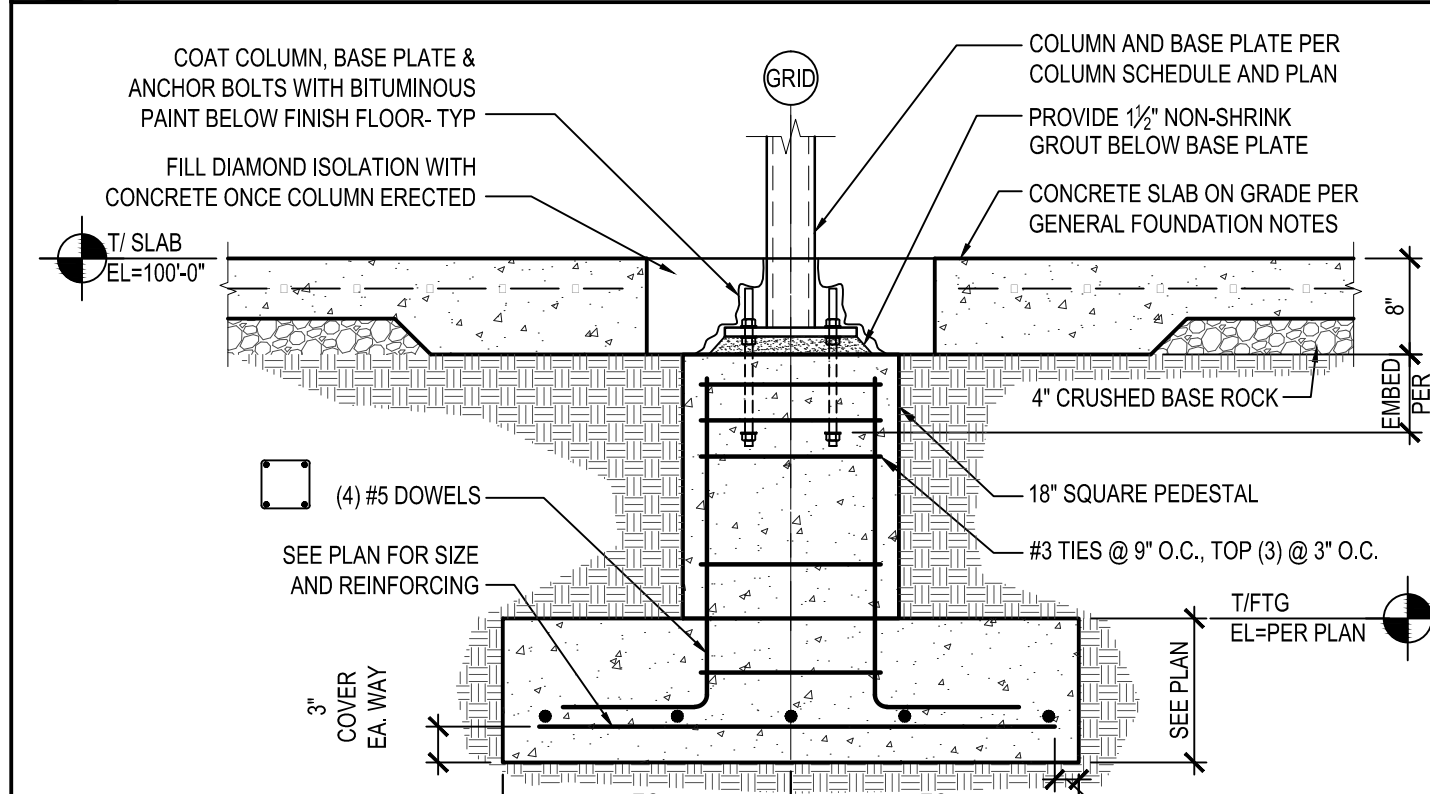
**H COLUMN @ STOREFRONT WALL**  
Scale: 3/4" = 1'-0"



**G CONTROL JOINT, TYP.**  
Scale: 1-1/2" = 1'-0"

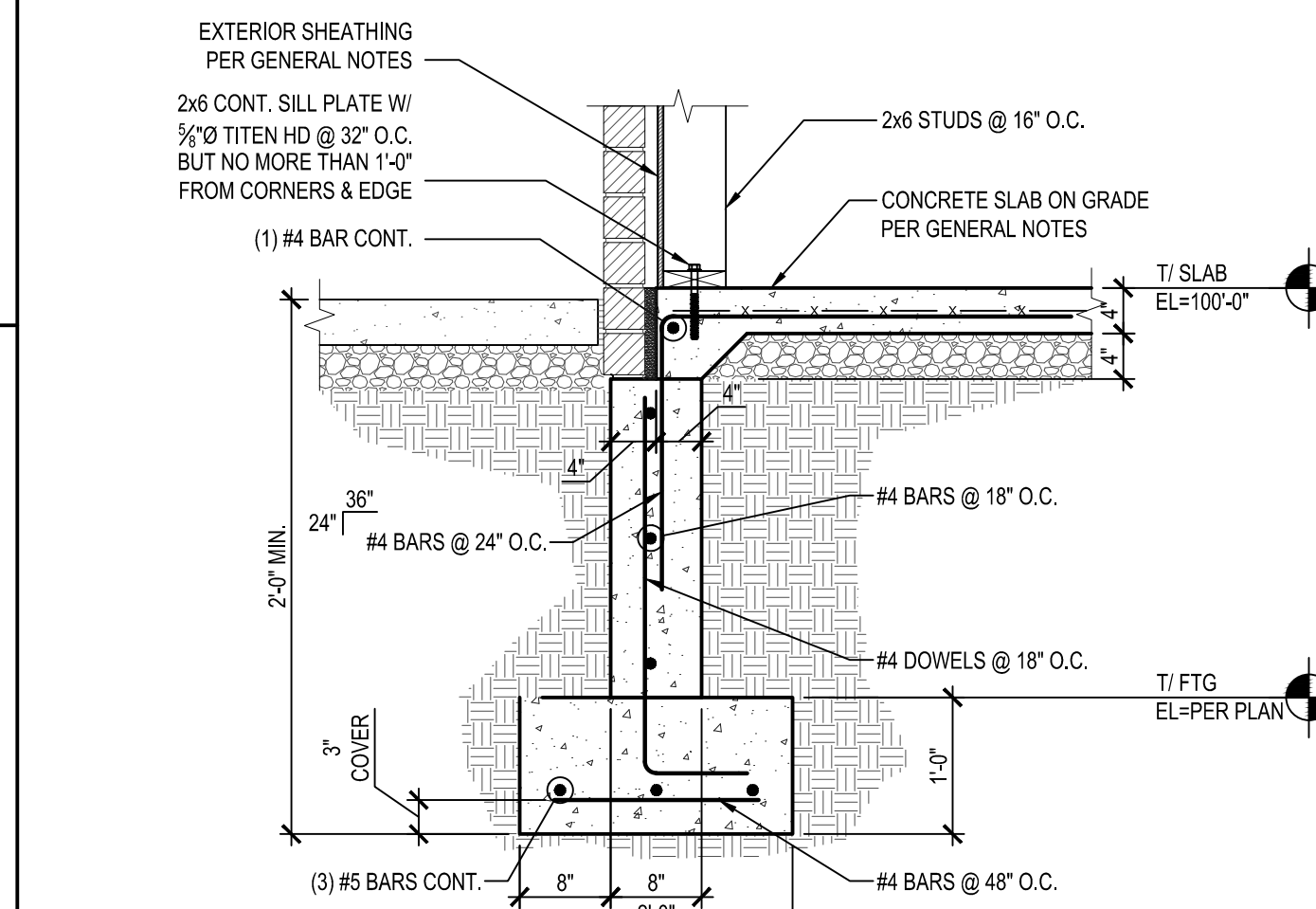


**F CONSTRUCTION JOINT, TYP.**  
Scale: 3/4" = 1'-0"

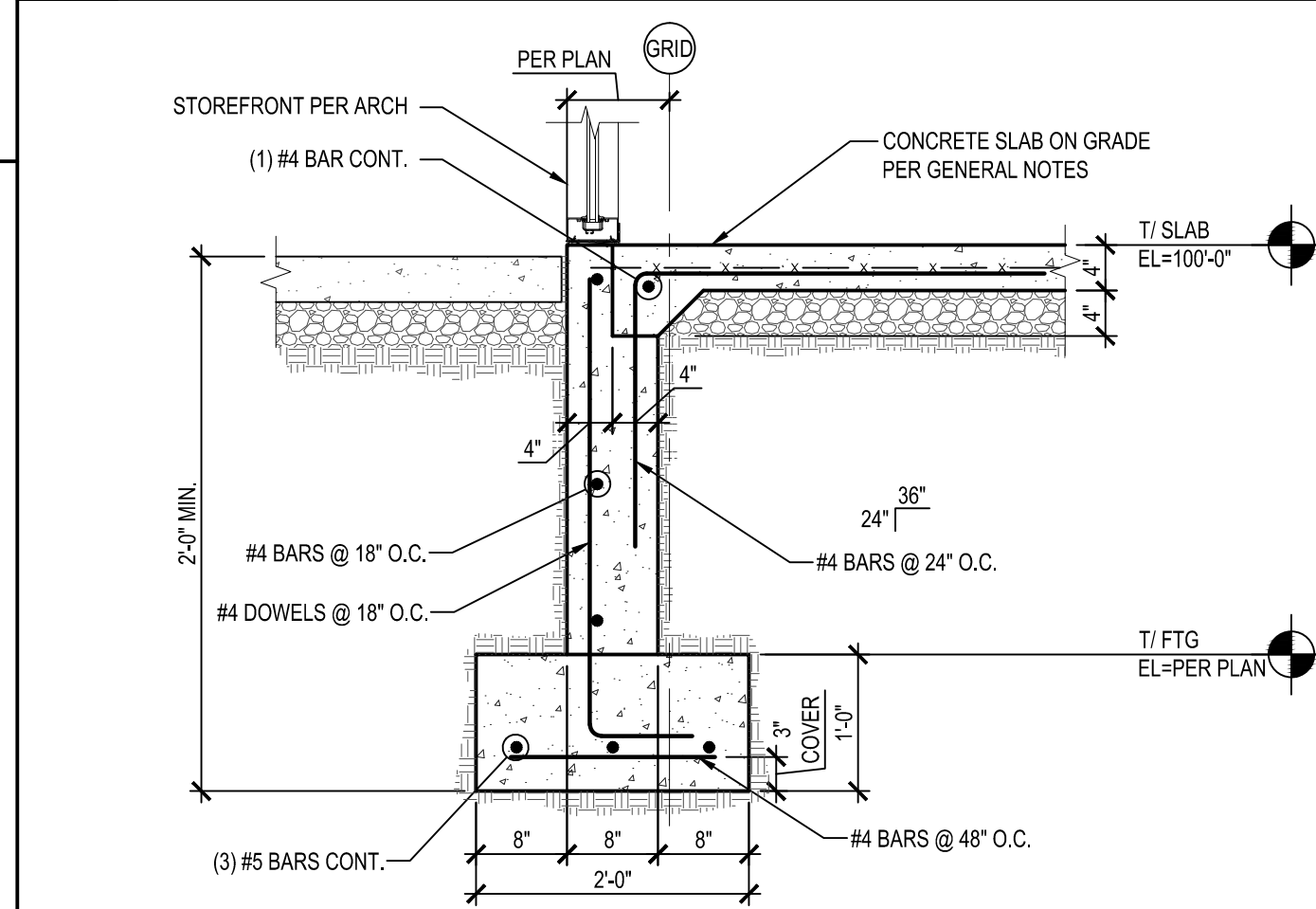


**E TYPICAL INTERIOR COLUMN FNDN**  
Scale: 3/4" = 1'-0"

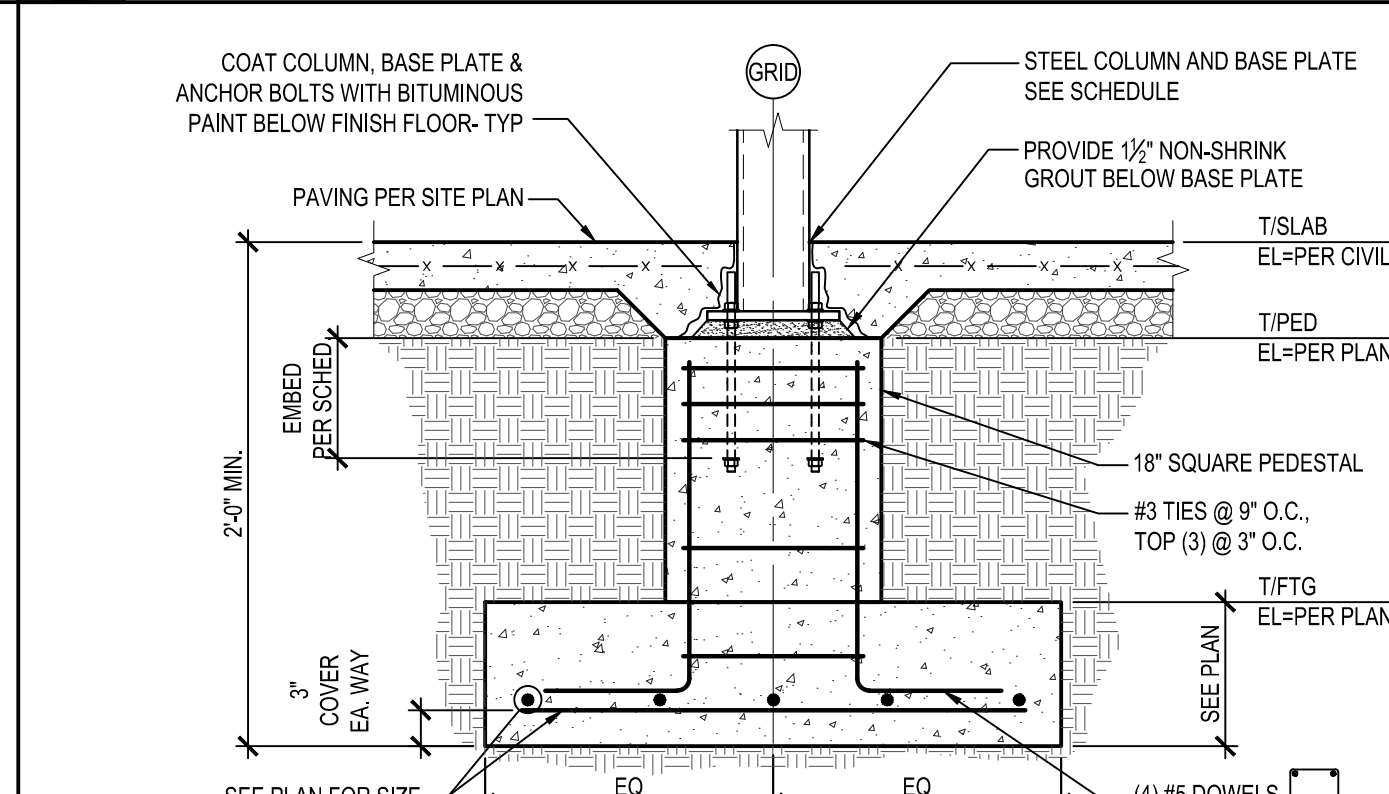
**D THICKENED SLAB**  
Scale: 3/4" = 1'-0"



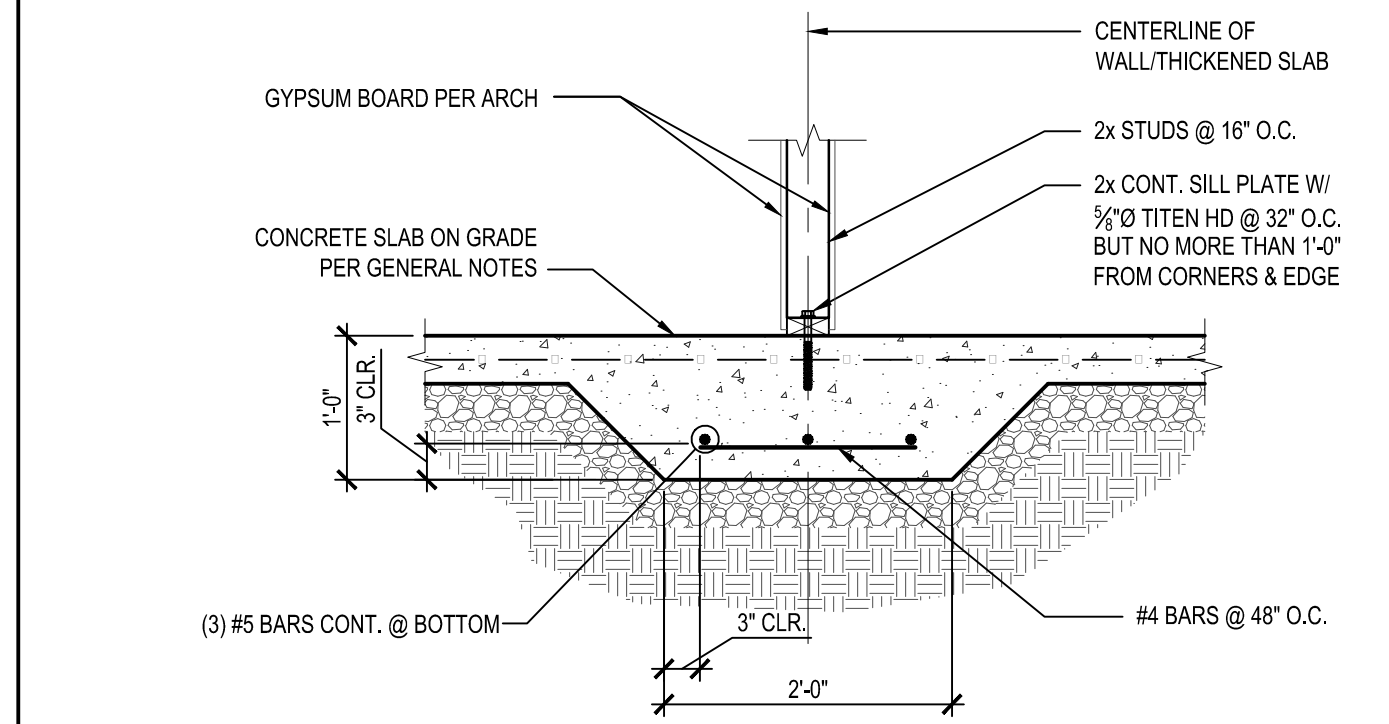
**C BRICK BRG ON STEM WALL**  
Scale: 3/4" = 1'-0"



**B STOREFRONT BRG. ON STEM WALL**  
Scale: 3/4" = 1'-0"



**A EXTERIOR COLUMN PEDESTAL**  
Scale: 3/4" = 1'-0"



**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY, AR**  
2375 DAVE WARD DRIVE

**BID / PERMIT**

**March 9, 2015**

**ARCHITECT**  
Huff Projects  
3612 Karnes Blvd.  
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D.M. METTENBERGER  
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**CONSULTANT**

**REVISION SCHEDULE**

NO.	DATE	ISSUE

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Drawn By: MGG  
Project Number: 15-037

Engineer: Alan R Mettenberger  
A/E License Number: 10369



**SHEET**  
FOUNDATION DETAILS

**S200**













PROJECT INFORMATION

ANDY'S FROZEN CUSTARD - CONWAY  
275 Dave Ward Dr., Conway, AR 72034

ISSUE

BID / PERMIT SET

MARCH 9, 2015

ARCHITECT

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3333 E. Battlefield Road, Suite 1000  
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NOTES:

PARTITION LEGEND:

- NEW INTERIOR PARTITION  
2 x 6 WOOD STUDS  
A-1: 5/8" GWB BOTH SIDES  
A-2: 5/8" GWB ONE SIDE
- NEW INTERIOR PARTITION  
2 x 4 WOOD STUDS, 1/2" GWB  
B-1: 5/8" GWB BOTH SIDES  
B-2: 5/8" GWB ONE SIDE

- DIMS. ARE FROM OUTSIDE FACE OF EXT. WALLS TO FIN. FACE OF NEW PARTITIONS, U.O.N.
- REFER TO A701 FOR NOTES ON WALL TYPE / DETAILING
- ALL FOOD AND NON-FOOD SURFACES ARE TO BE SMOOTH, DURABLE, NON-ABSORBENT, LIGHT IN COLOR AND EASILY CLEANABLE PER LOCAL CITY HEALTH DEPARTMENT REGULATIONS.
- REFER TO INT. ELEV. FOR CONDITIONS WITH TILE AS FIN. WALL SURFACE - PROVIDE 5/8" CONCRETE BACKER BOARD IN LIEU OF G.W.B.
- BATHROOM WALLS SHOULD BE INSUL. WITH SOUND BATT INSUL. TO ACHIEVE AN STC RATING OF 50
- ALL WALLS CONTAINED WITHIN OR DIRECTLY FACING ROOM 2 - BACK OF HOUSE TO UTILIZE FRP 1 IN LIEU OF 5/8" G.W.B.

KEYNOTES:

- ROOF DRAINS BELOW SIDEWALK TO STORM SEWER - NOTE: EXPELL WATER UNDER SIDEWALK TO CURB - NOT ONTO WALK.
- WHITE VINYL FILM APPLIED TO GLAZING
- ALIGN CLG. W/ COUNTER FACE BELOW
- TACTILE ALUMINUM EXIT SIGNAGE IN COMPLIANCE WITH SECTION 1011.3 IBC 2006 SURFACE MOUNTED TO DOOR.
- TACTILE ALUMINUM RESTROOM SIGNAGE IN COMPLIANCE WITH SECTION 1110.1 IBC 2006 SURFACE MOUNTED TO DRYWALL
- PROVIDE 3' CLEAR ACCESSIBLE EGRESS PATH.
- DUCTWORK LOCATION AND SIZING PER MEP
- ROOF STRUCTURE WITH CLEAR ANODIZED ALUMINUM FASCIA WITH 3 CONTINUOUS BANDS OF NEON TUBING
- INSTALL CORNER GUARDS, TYP.
- PROVIDE HOT AND COLD WATER HOSE BIB ON WALL.
- FIRE EXTINGUISHER AND CABINET - SEE 4(A701)
- COORDINATE INSTALLATION OF WALK-IN COOLER AND FREEZER W/ SUPPLIER
- CENTERLINE OF LIGHTS TO ALIGN W/ MULLIONS. SPACE EQUALLY WHERE MULLION DO NOT EXIST
- 8" Ø PVC SOLA CHASE: RUN UNDER SLAB
- ROOF CONSTRUCTION - 60 MIL WHITE TPO ROOFING MECHANICALLY FASTENED ON 1" RIGID INSULATION OVER TJI'S PER STRUCTURAL WITH OPEN CELL INSULATION - MINIMUM OF R-30
- CENTER LIGHT OVER TOILET
- CORNER TO BE BUTT-GLAZED WITH A 45 DEGREE MULLION
- CUSTARD MACHINES TO STRADDLE FLOOR SINKS
- ANDY'S MENU AND POSTER SIGNAGE BY OTHERS - VERIFY INSTALLED LOCATION W/ OWNER
- STAINLESS STEEL SERVING COUNTER @ DRIVE THRU WINDOW - SEE DETAIL 3(A503)
- MAINTAIN A MINIMUM OF 10" CLEAR ON OPERABLE SIDE OF WALK-IN COOLER AND FREEZER - COORDINATE DETAILING W/ MFG.
- TRASH / RECYCLING PER OWNER
- 5" DIAMETER DOWNSPOUT - CONNECTED TO STORM SEWER PER CIVIL PLANS
- 60 MIL WHITE TPO MECHANICALLY FASTENED WITH 1" RIGID INSULATION.
- PROVIDE SOLID BLOCKING FOR ALL SHELVES & WALL MOUNTED EQUIPMENT. SEE A203 FOR LOCATIONS
- COLUMNS PER STRUCTURAL - PAINTED P-1.
- ATAS PREFINISHED METAL GUTTER AND DOWNSPOUT COLOR: 17 BRITE RED
- STEEL PIPE BOLLARD - 4" DIAMETER SCHEDULE 40 STEEL PIPE - 4" ABOVE GRADE W/ 2" CORE BELOW GRADE
- SQUARE CUT ROOF EDGE
- SITE WORK PER CIVIL PLANS AND SPECIFICATIONS
- PREFINISHED METAL BOX GUTTER
- EASI-SERV PRODUCTS INC. - SS SERIES IN-LINE SIDE SLIDER - DRIVE THRU WINDOW PER WINDOW AND CURTAIN WALL SCHEDULE
- CAP AND SILL FLASHING AT TOP DATUM OF MASONRY VENEER AND FREESTANDING WALL, TYP.
- FOUNDATION PER STRUCTURAL
- WALL TYPE PER PLAN
- ANDY'S FROZEN CUSTARD NEON CONE SIGN "MADE FRESH EVERY HOUR" - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING - SUSPEND FROM HORIZONTAL MULLION AND CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION
- ANDY'S FROZEN CUSTARD SPEECHER ROOT BEER NEON SIGN - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING - SUSPEND FROM HORIZONTAL MULLION AND CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION

EXTERIOR FINISH SCHEDULE

#	DESCRIPTION
C-1	COPING TYPE 1: PRECAST CONCRETE PARAPET CAP - COLOR INTEGRAL WITH MASONRY
FC-1	FIBER CEMENT TYPE 1: 5/8" NICHHA ILLUMINATION FIBER CEMENT PANELS, COLOR: BENJAMIN MOORE 1315 POPPY
FC-2	FIBER CEMENT TYPE 2: 5/8" NICHHA ILLUMINATION FIBER CEMENT PANELS, COLOR: BENJAMIN MOORE HC-166 KENDALL CHARCOAL
GL-1	GLAZING TYPE 1: 5500 EFFCO CURTAIN WALL SYSTEM WITH 1" INSULATED GLAZING, CLEAR OVER CLEAR
M-1	MASONRY TYPE 1: ENDICOTT BRICK - MANGANESE IRONSPOT, VELOUR FINISH
N-1	PERIMETER NEON LIGHTING BY OTHERS ON EXTENT OF ANODIZED ALUMINUM FASCIA
S-1	SOFFIT TYPE 1: GOLD BOND EXTERIOR GYPSUM BOARD, STO DIRECT APPLIED FINISH
W-1	WOOD TYPE 1: GEOLAM 45 TRIM SOLEO 10 COLOR: MOLESKIN ON GALVANIZED TUBE STEEL FRAME

REVISION SCHEDULE

NO.	DATE	ISSUE

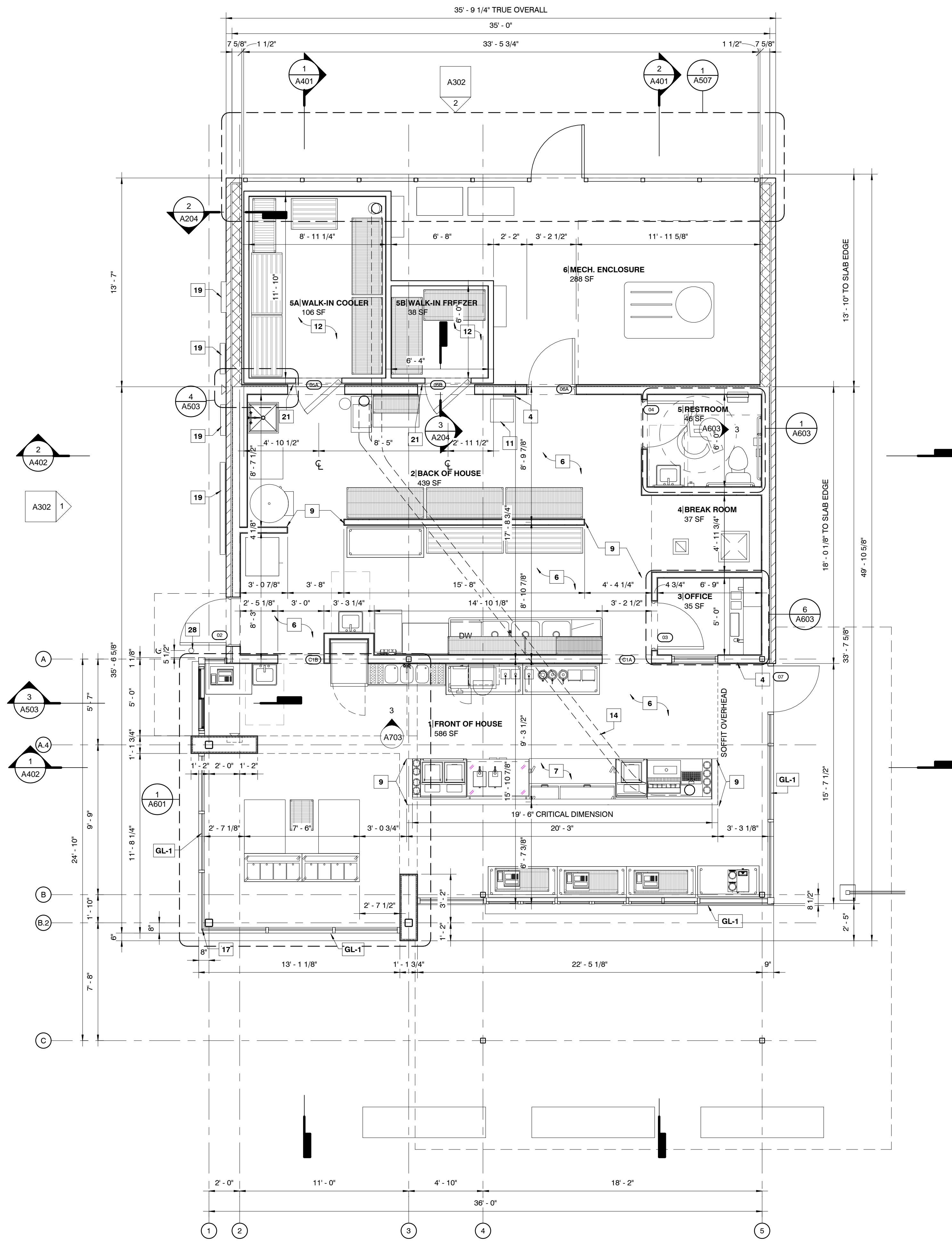
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Drawn By: ADT Architect: AS License Number:  
Project Number: 238



SHEET DIMENSIONED PLAN

A201



1 DIMENSIONED PLAN  
1/4" = 1'-0"



**FINISH SCHEDULE:**

NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CLG FINISH	COMMENTS
				N.	E.	S.	W.		
1	FRONT OF HOUSE	FL-1	T-1	PER INT. ELEV.	STOREFRONT	STOREFRONT	STOREFRONT	G.W.B.	
2	BACK OF HOUSE	FL-2	VB-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-1	
3	OFFICE	FL-1	VB-1	P-1	P-1	P-1	P-1	G.W.B.	
4	BREAK ROOM	FL-1	VB-1	T-1	T-1	T-1	T-1	G.W.B.	
5	RESTROOM	FL-2	VB-1	P-1	P-1	P-1	P-1	ACT-1	
5A	WALK-IN COOLER								
5B	WALK-IN FREEZER								
6	MECH. ENCLOSURE								

**FINISH KEY:**

#	DESCRIPTION	FINISH NOTES
ACT-1	USG 2x2 CLIMA PLUS 2'x2'x1/2" - SQUARE EDGE W/ USG DX-WHITE GRID SYSTEM, COLOR: WHITE	
FL-1	POLISHED CONCRETE - 3500 PSI MIN NO AIR ENTRAINMENT GRIND 1/8" - W.R. MEADOWS "INDUROSHINE" SYSTEM OR EQUAL - APPLY TOPICAL SEALANT	FOH
FL-2	SEALED CONCRETE - TROWEL FINISHED - APPLY TOPICAL SEALANT	BOH
FRP-1	MARLITE STANDARD FRP - PEBBLE TEXTURE - WHITE (OR EQUAL) ON 5/8" PLYWOOD	
P-1	SHERWIN WILLIAMS (OR EQUAL). COLOR: "DECORATOR'S WHITE"	
P-2	PAINT COLOR: "RED" - MATCH TILE-2	#3, 5, 6
SC-1	CHROMIX ADMIXTURE FOR COLOR CONDITIONED CONCRETE - CLASSIC COLORS - C-14 - FRENCH GRAY	#3, 5, 6
T-1	WHITE TILE: DAL TILE "SEMI-GLOSS" - 3"x6" - COLOR: "WHITE (1) K101" *	
T-2	WHITE TILE: DAL TILE "SEMI-GLOSS" - 3"x6" - COLOR: "VERMILION (5) ODM1" *	
VB-1	JOHNSONITE (OR EQUAL) 4" TRADITIONAL COVED VINYL BASE. COLOR PALLET A: '32 PEBBLE WG'	
*	GROUT TO BE SELECTED BY ARCHITECT FROM MAPEI STANDARD COLORS, USE 1/16" GROUT JOINT, TYP.	

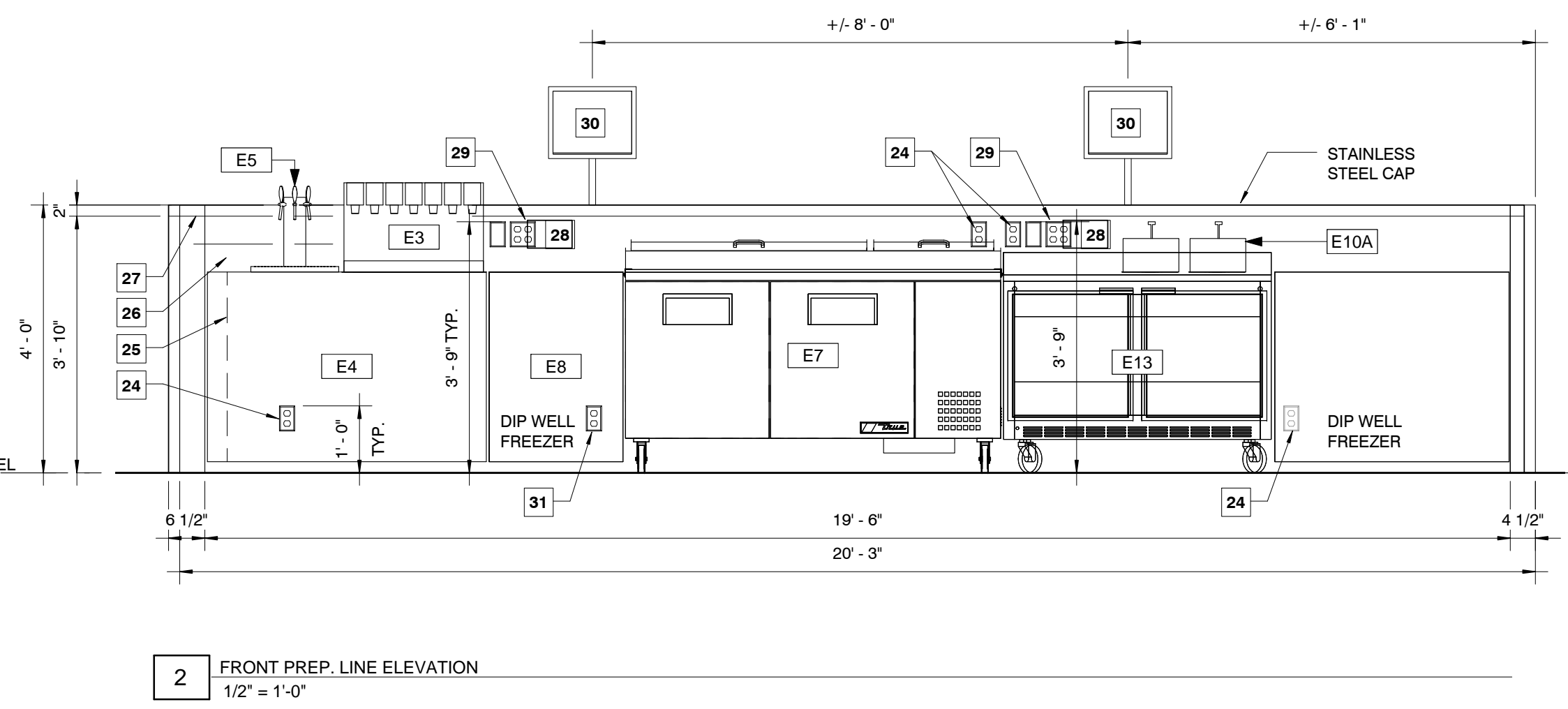
**NOTE: CONTRACTOR TO SUBMIT SAMPLES OF FINISH MATERIALS FOR ARCHITECT APPROVAL PRIOR TO ORDERING**

**PLUMBING FIXTURE SCHEDULE:**

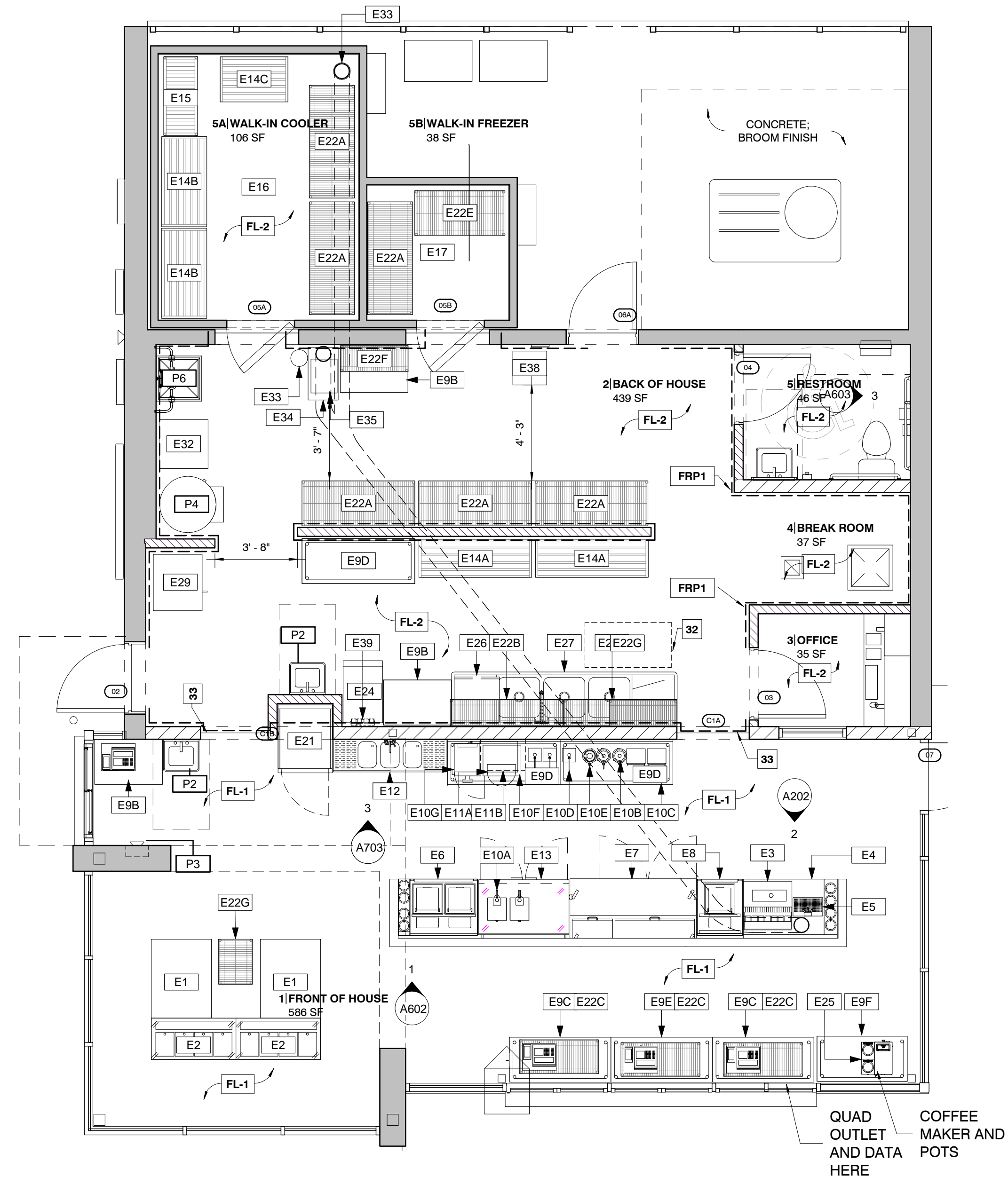
TAG	QTY	TYPE	MFR	MODEL	COMMENTS
P1	1	TOILET	ZURN	Z5551	SPECIFY LEVER LOCATION ON SIDE OF TOILET CLOSEST TO ADJACENT SINK
P2	3	HAND SINK	EAGLE	HSA-10-FA	
P3	2	HOT AND COLD HOSE BIB			
P4	1	ELECTRIC HOT WATER HEATER	RHEEM	120 GA.	CONFIRM CLEARANCE REQUIREMENTS WITH MFG.
P6	1	MOP SINK			

**EQUIPMENT SCHEDULE:**

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
E1	2	CUSTARD MACHINE	BY OWNER	BY OWNER	REQUIRES 2 WATER OUTLETS
E2	2	ICE CREAM DIPPING CABINET	PERLICK	DROP-IN SERIES 8000	MOUNTS INTO COUNTERTOP / CASEWORK
E3	1	SODA DISPENSER	BY OTHERS		
E4	1	31.5 x 50 ENCLOSED WORKTABLE			
E5	1	BEER TOWER W/ SPRITZER ROOTBEER	GLASTENDER	CT-3-MFR	
E6	1	DROP IN FREEZER / ICE CREAM			
E7	1	Food Prep Table Solid Door Pizza Prep Table	TRUE FOOD SERVICE EQUIPMENT, INC.	TPP-67	
E8	1	DROP IN FREEZER / ICE CREAM			
E9B	3	WORK TABLE - 24" x 36"	ADVANCE TABCO	KSS-243	CONFIRM FINISH WITH OWNER
E9C	2	WORK TABLE - 24" x 52"			OPEN BASE - ADA WORK HEIGHT
E9D	3	WORK TABLE - 24" x 60"			
E9E	1	WORK TABLE - 24" x 52"			OPEN BASE - ADA WORK HEIGHT
E9F	1	WORK TABLE - 24" x 52"			
E10A	2	FUDGE/SYRUP WARMER	SERVER	85070	
E10B	2	FUDGE/SYRUP WARMER			
E10C	2	BLENDER	ASTRO BLENDER	CUSTOM	CUSTOM LABELS
E10D	3	LIT W/ PUMPS (FITS #3 CAN)			
E10E	1	FUDGE/SYRUP WARMER	SERVER	82500	
E10F	1	DRINK MIXER	PRINCE CASTLE	985C	
E10G	1	MILK DISPENSER	SILVER KING	SK1MP	
E11A	1	MICROWAVE	PANASONIC	NE-1064	
E11B	1	MICROWAVE SHELF			18" x 24"
E12	1	UNDER BAR SINK	KROWNE	CS-1860	
E13	1	WORKTOP FREEZER	Beverage Air	WTF48AY	
E14A	2	DUNNANGE RACK - 20" x 60"			
E14B	2	DUNNANGE RACK - 24" x 48"			
E14C	1	DUNNANGE RACK - 24" x 36"			
E15	1	KEG RACK - 18" x 42"			TO HOLD ROOT BEER KEG
E16	1	WALK-IN COOLER			VERIFY ALL: CONDENSER UTILITY INFO, EVAPORATOR UTILITY INFO, DOOR/LIGHT UTILITY INFO
E17	1	WALK-IN FREEZER			ORDER W/ 4" INSULATED FLOOR
E21	1	REACH IN FREEZER			
E22A	6	WIRE SHELVING - 24" x 60"	METRO	2460NS	CONFIRM FINISH WITH OWNER - 72" POSTS, W/ CASTERS
E22B	2	WIRE SHELVING - 14" x 60"			
E22C	3	WIRE SHELVING - 18" x 42"	METRO	1842NS	CONFIRM FINISH WITH OWNER - 27" POSTS, 2-TIER
E22E	1	WIRE SHELVING - 24" x 48"	METRO	2448NS	CONFIRM FINISH WITH OWNER
E22F	1	WIRE SHELVING - 14" x 36"			W/ HANGER BAR
E22G	2	WIRE SHELVING - 18" x 36"	DV		
E24	1	ICE MACHINE AND BIN	HOSHIZAKI	KM-320M_H, B-300	
E25	1	COFFEE MAKER - POUR OVER	T.B.D.	T.B.D.	
E26	1	DISH MACHINE	HOBART	LXIGH	140 DEGREE F WATER MIN.
E27	1	3-COMP SINK	EAGLE	314-22-3-24	INCLUDES PRE-RINSE
E29	1	HALF-SIZE ELECTRIC CONVECTION OVEN	BLOODGETT	CTBR	CONFIRM MODEL / DOOR SWING WITH OWNER, REQUIRES STAND
E32	1	STACKED WASHER/DRYER			ELECTRIC
E33	2	C02 TANK			
E34	1	SODA DISPENSING SYSTEM	BY OTHERS		
E35	1	REMOTE BEVERAGE DISPENSER	GLASTENDER		
E38	1	LAUNDRY HAMPER			
E39	1	WATER FILTER	CUNO	TA2-1	



**2 FRONT PREP. LINE ELEVATION**  
1/2" = 1'-0"



**1 EQUIPMENT AND FURNISHINGS PLAN**  
1/4" = 1'-0"

**KEYNOTES:**

- IG RECEPTACLE FOR COMPUTER SYSTEM
- IG RECEPTACLE FOR FAX AND DATA
- IG RECEPTACLE FOR PRINTER
- IG RECEPTACLE FOR SOUND SYSTEM
- RECEPTACLE FOR SAFE
- RECEPTACLE FOR GENERAL POWER
- IG RECEPTACLE @ 42" AFF
- PHONE JACK @ 54" AFF
- BUMP BAR EQUIPMENT
- IG RECEPTACLE @ 84" AFF
- PHONE SYSTEM
- DATA
- DEMARCATON BLOCK
- DRIVE-THRU MONITOR
- 24" PLAM COUNTER
- MELAMINE SHELVES ON BRACKETS @ 16" O.C.
- COUNTER SUPPORT BRACKETS @ 48" O.C.
- MONITOR
- COUNTER GROMMET
- DUPLEX OUTLET AND DATA
- CPU
- MODEM AND ROUTER
- 14" MELAMINE SHELF ON BRACKETS @ 16" O.C.
- DUPLEX OUTLET
- 6" CUP WELL INTEGRATED INTO CASE
- 5" BACKSPASH
- STAINLESS STEEL WALL CAP
- MONITOR CONTROL BOX MOUNTED TO INSIDE FACE OF WALL
- QUAD OUTLETS AND DATA
- DISPLAY MONITOR
- DUPLEX OUTLET - 2 CIRCUITS
- GREASE INTERCEPTOR - SEE PLUMBING PLANS
- TRANSITION FLOOR FINISHES @ C.J. TYP.

**NOTES:**

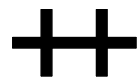
- COORDINATE SHELVING HEIGHTS WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN OF ELECTRICAL EQUIPMENT
- PROVIDE SOLID BLOCKING AT ALL SHELVES.

**FINISH NOTES:**

- CORNER GUARDS TO BE INSTALLED AT ALL OUTSIDE CORNERS. SUPPLIED AND INSTALLED BY G.C.
- NOT ALL FINISHES IN SCHEDULE OF FINISHES ARE NECESSARILY INCLUDED IN THIS SCOPE OF WORK. SEE ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.
- PAINT EXPOSED STRUCTURAL COLUMNS (NOT INCLUDING DECORATIVE STEEL COLUMNS), EXPOSED DUCTWORK PT-1, SEMIGLOSS.
- PAINT SHEEN: A: CEILINGS - FLAT, B: STRUCTURAL COLUMNS AND EXPOSED METAL DUCTS - ACRYLIC ENAMEL, SEMI-GLOSS, C: WALLS - SATIN (UNLESS NOTED OTHERWISE)
- PAINT GYP. BD. WALLS AND CEILING PT-2 SEMIGLOSS AT HALL 105.
- WALL SURFACES TO BE FINISHED WITH FRP NOTED THUS:
- EXPOSED DUCTWORK TO BE SHOP PRIMED AND OR PAINTLOC STEEL TO BE FIELD PAINTED.
- PAINT EXTERIOR DOORS - EXT. SIDE (GREY) TO MATCH BRICK, SEMIGLOSS. INT. SIDE (SW DECORATORS WHITE)

**GENERAL HEALTH DEPT. NOTES**

- ALL ICE MACHINES TO BE HELD OFF ADJACENT BUILDING WALLS BY 6". IF A VACUUM BREAKER IS REQUIRED BY CODES IT WILL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.
- DISHWASHERS, WHERE APPLICABLE, WILL BE DESIGNED TO HAVE HIGH TEMPERATURE 180° F. FINAL RINSE AND WASH TEMPERATURES OF 140° F.
- ALL REFRIGERATORS WILL BE FURNISHED WITH THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION AND ACCURATE WITHIN A RANGE OF PLUS OR MINUS 2 DEGREES.
- ALL COUNTER TOP EQUIPMENT NOT READILY MOVABLE, WEIGHING OVER 80 LBS. WILL BE PROVIDED WITH 4' LEGS WITH ADJUSTABLE FEET
- ALL CHEMICAL SANITIZER KITS FOR THREE COMPARTMENT SINKS WILL BE FURNISHED BY THE CHEMICAL SUPPLIER.
- ALL CHEMICAL INJECTION SYSTEMS MUST BE INSTALLED DOWNSTREAM FROM A VACUUM BREAKER OR AIR GAP TO PREVENT POSSIBLE BACK SIPHON OF THE CHEMICALS INTO THE WATER LINE SYSTEM.
- ALL CUTTING BOARDS SHALL BE OF NON WOOD CONSTRUCTION
- ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH THE N.S.F. STANDARDS AND SHALL BE N.S.F. APPROVED.
- AN AISLE SPACE OF A MINIMUM OF THIRTY-SIX (36) INCHES OR MORE SHALL BE PROVIDED WITH IN ALL WORK SPACES.
- BACK SPLASHES OF EQUIPMENT SHALL BE INSTALLED A MINIMUM OF THREE (3) INCHES FROM WALLS OR SEATED TO THE WALL WITH SILICONE SEALANT.
- VACUUM BREAKERS, WHEN USED, TO BE A MINIMUM OF SIX (6) INCHES ABOVE THE FLOOR RIM WITH NO SHUT OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.
- A MINIMUM OF 50 FOOT CANDLES OF LIGHT SHALL BE PROVIDED IN ALL FOOD PREP AND SERVING AREAS.
- HAND WASHING FACILITIES ARE REQUIRED IN THE FOOD PREPARATION, SERVING, AND UTENSIL WASHING AREAS AND WILL BE SHOWN ON THE FLOOR PLAN.
- SNEEZE GUARD PROTECTION WHERE APPLICABLE WILL BE PROVIDED FOR EXPOSED, UNWRAPPED FOOD SHOWN AT SUCH AREA AS SALAD BARS, BUFFETS, AND CAFETERIA LINES.



**PROJECT INFORMATION**

**ANDY'S FROZEN CUSTARD - CONWAY**  
275 Dave Ward Dr., Conway, AR 72034

**ISSUE**

**BID / PERMIT SET**

**MARCH 9, 2015**

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**NOTES:**

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2 x 6 WOOD STUDS  
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A-2: 5/8" GWB ONE SIDE

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- ALL WALLS CONTAINED WITHIN OR DIRECTLY FACING ROOM 2 - BACK OF HOUSE TO UTILIZE FRP 1 IN LIEU OF 5/8" G.W.B.

REVISION SCHEDULE		
NO.	DATE	ISSUE

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Drawn By: Author Architect: AS License Number:  
Project Number: 258



**SHEET**

**FFE PLAN**

**A202**





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 3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

**NOTES:**

**PARTITION LEGEND:**

**NEW INTERIOR PARTITION**  
 2 x 6 WOOD STUDS  
 A-1: 5/8" GWB BOTH SIDES  
 A-2: 5/8" GWB ONE SIDE

**NEW INTERIOR PARTITION**  
 2 x 4 WOOD STUDS, 5/8" GWB  
 B-1: 5/8" GWB BOTH SIDES  
 B-2: 5/8" GWB ONE SIDE

- DIMS. ARE FROM OUTSIDE FACE OF EXT. WALLS TO FIN. FACE OF NEW PARTITIONS, U.O.I.N.
- REFER TO A701 FOR NOTES ON WALL TYPE / DETAILING.
- ALL FOOD AND NON-FOOD SURFACES ARE TO BE SMOOTH, DURABLE, NON-ABSORBENT, LIGHT IN COLOR AND EASILY CLEANABLE PER LOCAL CITY HEALTH DEPARTMENT REGULATIONS. REFER TO INT. ELEV. FOR CONDITIONS WITH TILE AS FIN. WALL SURFACE - PROVIDE 5/8" CONCRETE BACKER BOARD IN LIEU OF G.W.B.
- BATHROOM WALLS SHOULD BE INSUL. WITH SOUND BATT INSUL. TO ACHIEVE AN STC RATING OF 50
- ALL WALLS CONTAINED WITHIN OR DIRECTLY FACING ROOM 2 - BACK OF HOUSE TO UTILIZE FRP 1 IN LIEU OF 5/8" G.W.B.

**KEYNOTES:**

- ROOF DRAINS BELOW SIDEWALK TO STORM SEWER. **NOTE:** EXPELL WATER UNDER SIDEWALK TO CURB - NOT ONTO WALK.
- WHITE VINYL FILM APPLIED TO GLAZING
- ALIGN CLG. W/ COUNTER FACE BELOW
- TACTILE ALUMINUM EXIT SIGNAGE IN COMPLIANCE WITH SECTION 1011.3 IBC 2006 SURFACE MOUNTED TO DOOR.
- TACTILE ALUMINUM RESTROOM SIGNAGE IN COMPLIANCE WITH SECTION 1110.1 IBC 2006 SURFACE MOUNTED TO DRYWALL.
- PROVIDE 3' CLEAR ACCESSIBLE EGRESS PATH.
- DUCTWORK LOCATION AND SIZING PER MEP
- ROOF STRUCTURE WITH CLEAR ANODIZED ALUMINUM FASCIA WITH 3 CONTINUOUS BANDS OF NEON TUBING
- INSTALL CORNER GUARDS, TYP.
- PROVIDE HOT AND COLD WATER HOSE BIB ON WALL.
- FIRE EXTINGUISHER AND CABINET - SEE 4/A701
- COORDINATE INSTALLTION OF WALK-IN COOLER AND FREEZER W/ SUPPLIER
- CENTERLINE OF LIGHTS TO ALIGN W/ MULLIONS. SPACE EQUALLY WHERE MULLION DO NOT EXIST
- 8" Ø PVC SODA CHASE - RUN UNDER SLAB
- ROOF CONSTRUCTION - 60 MIL WHITE TPO ROOFING MECHANICALLY FASTENED ON 1" RIGID INSULATION OVER 1/2" PER STRUCTURAL WITH OPEN CELL INSULATION - MINIMUM OF R-30
- CENTER LIGHT OVER TOILET
- CORNER TO BE BUTT-GLAZED WITH A 45 DEGREE MULLION
- CUSTARD MACHINES TO STRADDLE FLOOR SINKS
- ANDY'S MENU AND POSTER SIGNAGE BY OTHERS - VERIFY INSTALLED LOCATION W/ OWNER
- STAINLESS STEEL SERVING COUNTER @ DRIVE THRU WINDOW. SEE DETAIL 3/A503.
- MAINTAIN A MINIMUM OF 10" CLEAR ON OPERABLE SIDE OF WALK-IN COOLER AND FREEZER - COORDINATE DETAILING W/ MFG.
- TRASH / RECYCLING PER OWNER
- 5" DIAMETER DOWNSPOUT - CONNECTED TO STORM SEWER PER CIVIL PLANS
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- PROVIDE SOLID BLOCKING FOR ALL SHELVES & WALL MOUNTED EQUIPMENT. SEE A203 FOR LOCATIONS
- COLUMNS PER STRUCTURAL - PAINTED P-1.
- ATAS PREFINISHED METAL BRITTE AND DOWNSPOUT COLOR: 17 BRITE RED
- STEEL PIPE BOLLARD - 4" DIAMETER SCHEDULE 40 STEEL PIPE - 4" ABOVE GRADE W/ 2" CORE BELOW GRADE
- SQUARE CUT ROOF EDGE
- SITE WORK PER CIVIL PLANS AND SPECIFICATIONS
- PREFINISHED METAL BOX GUTTER
- EASH-SERV PRODUCTS INC. - SS SERIES IN-LINE SIDE SLIDER - DRIVE THRU WINDOW PER WINDOW AND CURTAIN WALL SCHEDULE
- CAP AND SILL FLASHING AT TOP DATUM OF MASONRY VENEER AND FREESTANDING WALL, TYP.
- FOUNDATION PER STRUCTURAL
- WALL TYPE PER PLAN
- ANDY'S FROZEN CUSTARD NEON CONE SIGN "MADE FRESH EVERY HOUR" LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING - SUSPEND FROM HORIZONTAL MULLION AND CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION
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**EXTERIOR FINISH SCHEDULE**

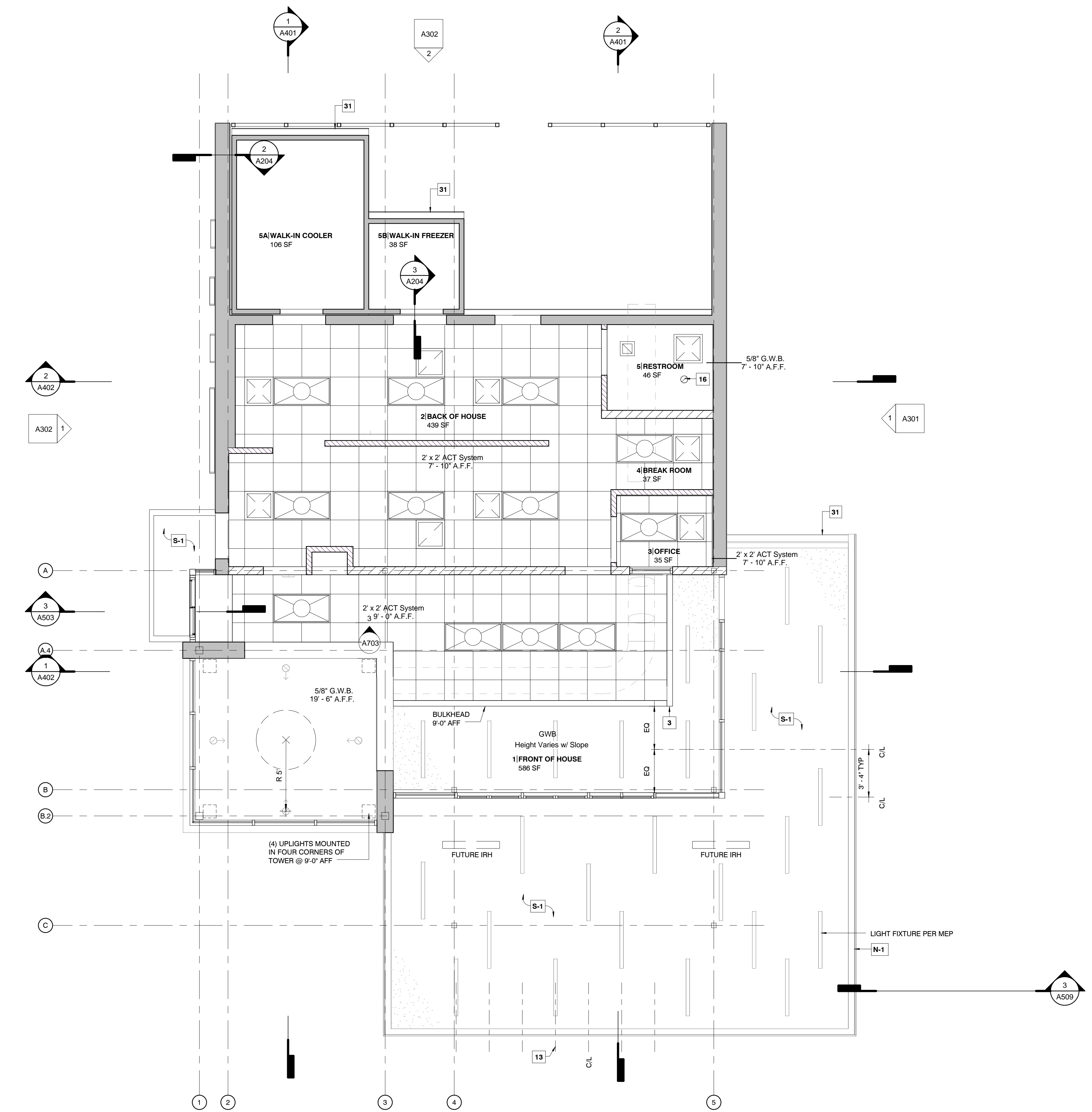
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GL-1	GLAZING TYPE 1: 5500 EPFCD CURTAIN WALL SYSTEM WITH 1" INSULATED GLAZING, CLEAR OVER CLEAR
M-1	MASONRY TYPE 1: ENDICOTT BRICK - MANGANESE IRONSPOT, VELOUR FINISH
N-1	PERIMETER NEON LIGHTING BY OTHERS ON EXTENT OF ANODIZED ALUMINUM FASCIA
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W-1	WOOD TYPE 1: GEOLAM 45 TRIM SOLEO 10 COLOR: MOLESKIN ON GALVANIZED TUBE STEEL FRAME

**REVISION SCHEDULE**

NO.	DATE	ISSUE

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Drawn By: Author Architect: AS License Number:



**1** LEVEL 1 - FF - REFLECTED CEILING PLAN  
 1/4" = 1'-0"

**SHEET**  
 REFLECTED CEILING PLAN

**A203**









PROJECT INFORMATION

ANDY'S FROZEN CUSTARD - CONWAY  
275 Dave Ward Dr., Conway, AR 72034

ISSUE

BID / PERMIT SET

MARCH 9, 2015

ARCHITECT

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EXTERIOR FINISH SCHEDULE

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REVISION SCHEDULE

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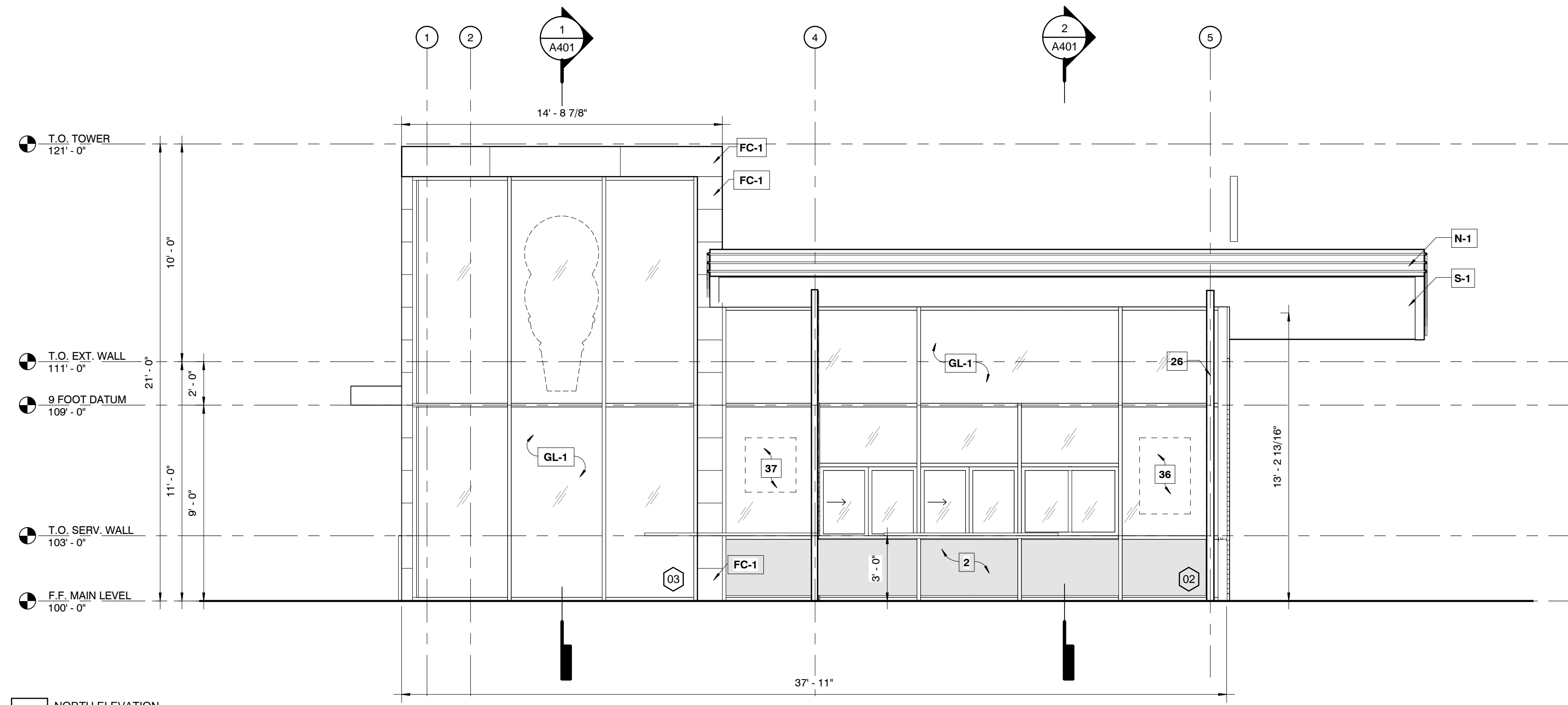
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Project Number: 238

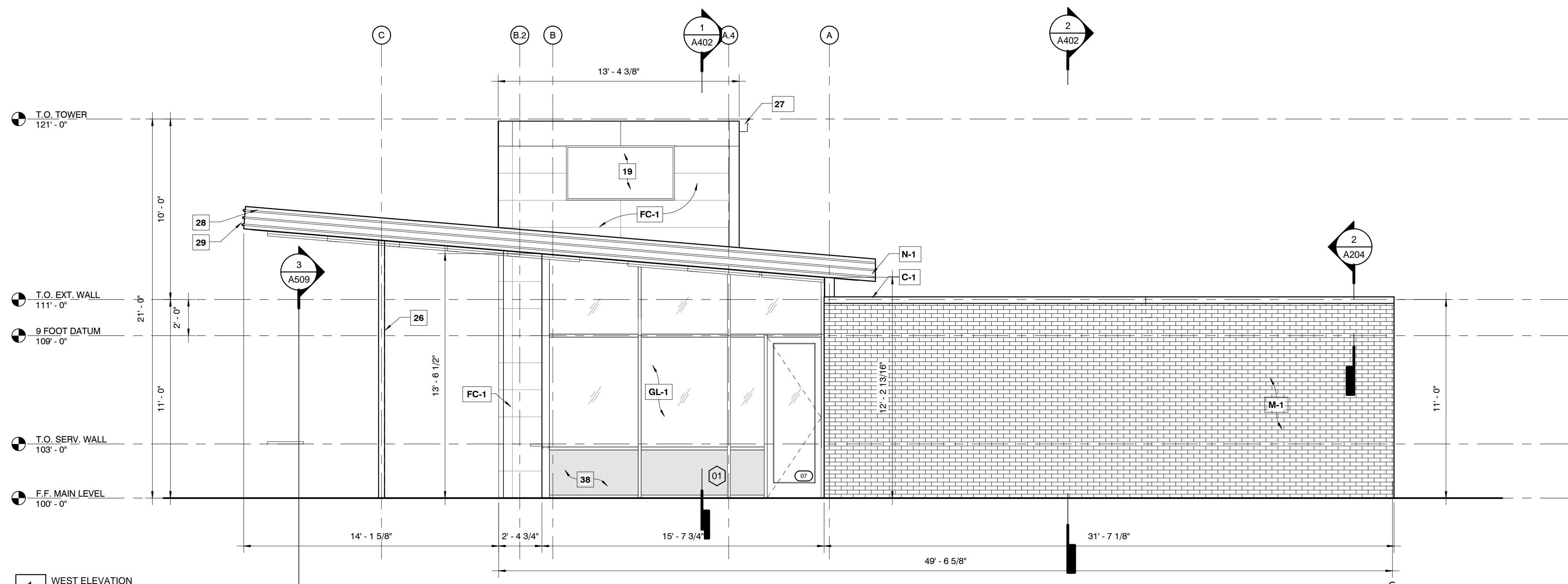


SHEET ELEVATIONS

A301



2 NORTH ELEVATION  
1/4" = 1'-0"



1 WEST ELEVATION  
1/4" = 1'-0"





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 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
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**MARCH 9, 2015**

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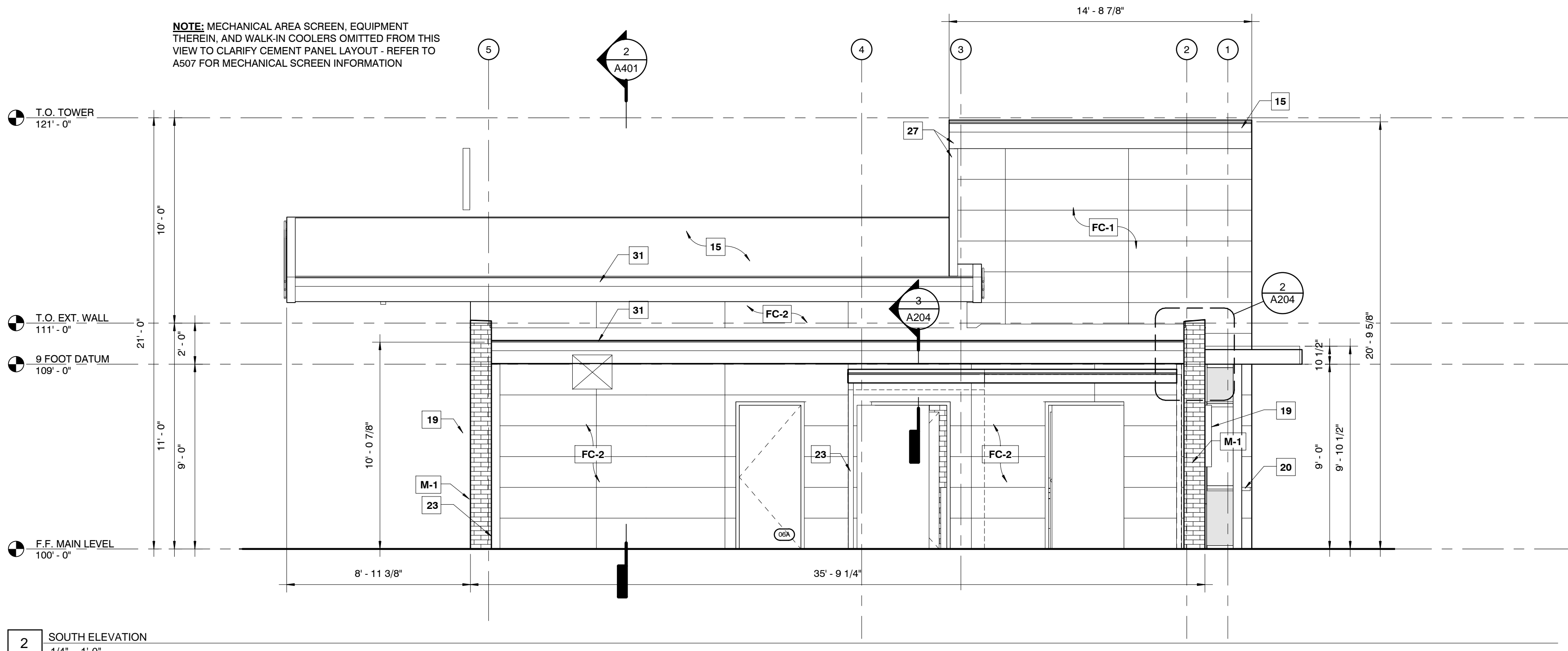
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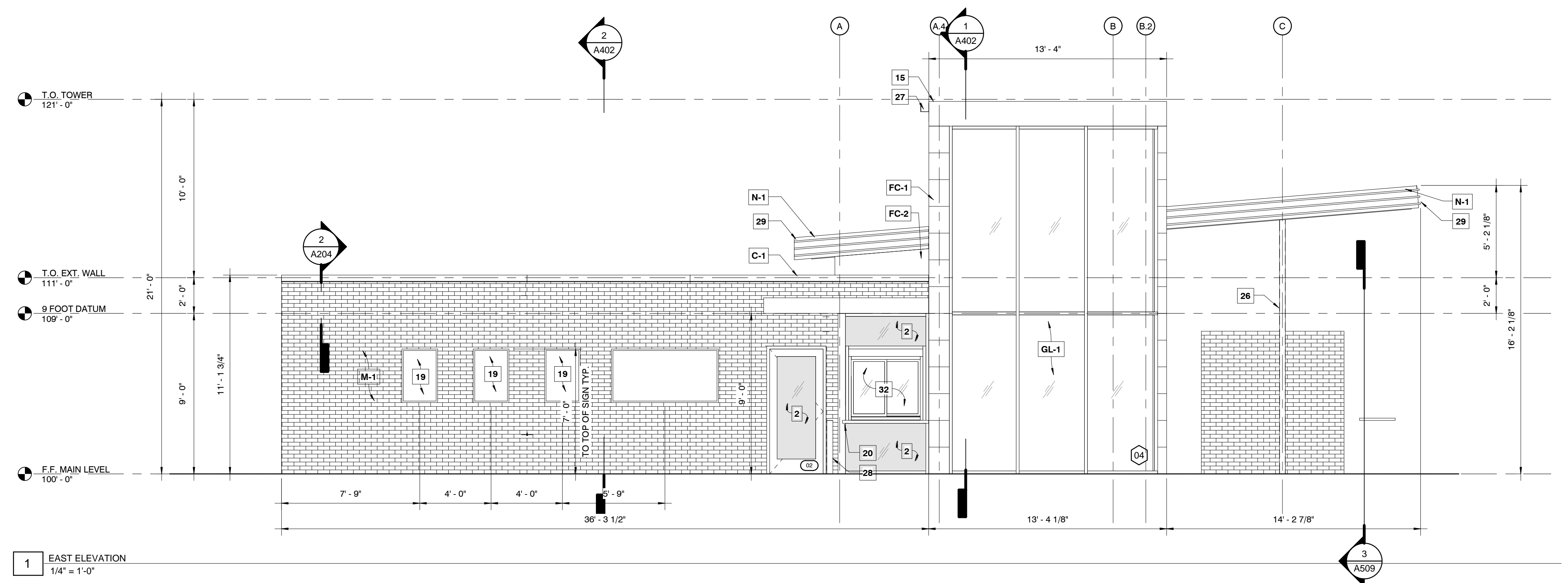
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**2 SOUTH ELEVATION**  
 1/4" = 1'-0"



**1 EAST ELEVATION**  
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**EXTERIOR FINISH SCHEDULE**

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Drawn By: ADT Architect: AS License Number:  
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SHEET  
 ELEVATIONS

**A302**





PROJECT INFORMATION  
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ISSUE  
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**MARCH 9, 2015**

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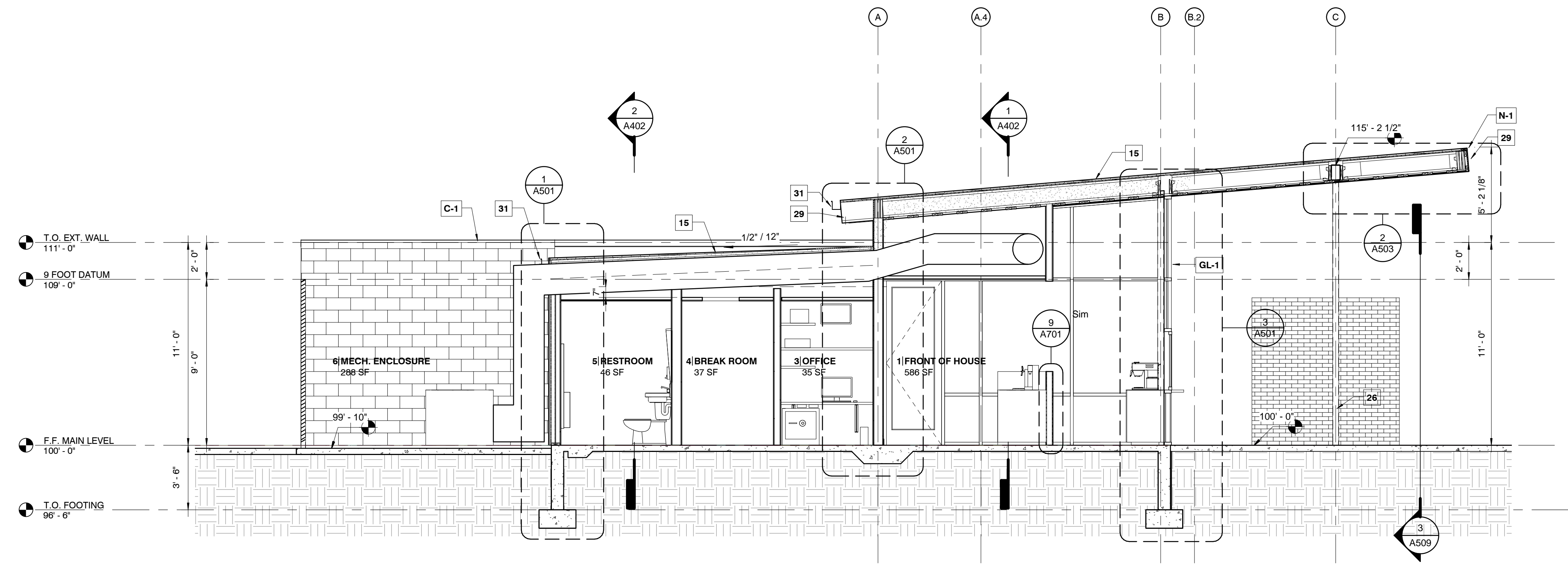
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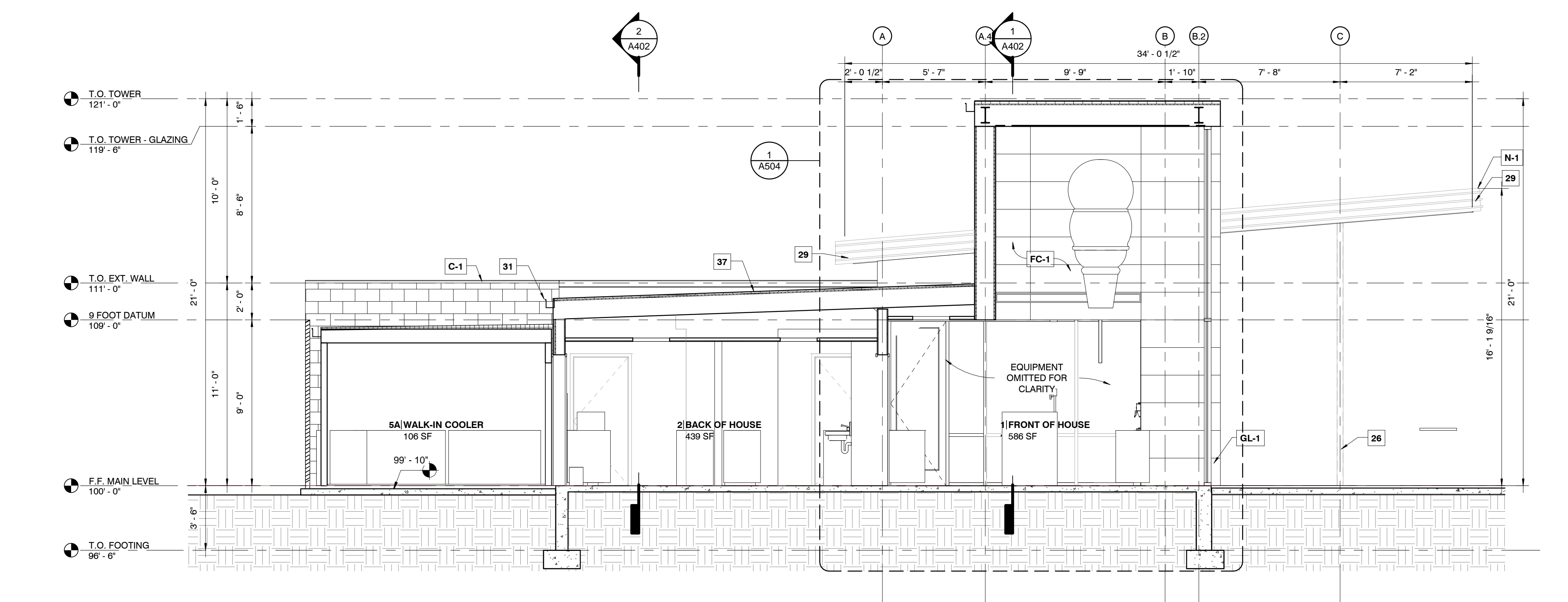
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**2** LONGITUDINAL SECTION - 2  
 1/4" = 1'-0"



**1** LONGITUDINAL SECTION - 1  
 1/4" = 1'-0"

**EXTERIOR FINISH SCHEDULE**

#	DESCRIPTION
C-1	COPING TYPE 1: PRECAST CONCRETE PARAPET CAP - COLOR INTEGRAL WITH MASONRY
FC-1	FIBER CEMENT TYPE 1: 5/8" NICHIIA ILLUMINATION FIBER CEMENT PANELS, COLOR: BENJAMIN MOORE 1315 POPPY
FC-2	FIBER CEMENT TYPE 2: 5/8" NICHIIA ILLUMINATION FIBER CEMENT PANELS, COLOR: BENJAMIN MOORE HC-166 KENDALL CHARCOAL
GL-1	GLAZING TYPE 1: 5500 EFFCO CURTAIN WALL SYSTEM WITH 1" INSULATED GLAZING, CLEAR OVER CLEAR
M-1	MASONRY TYPE 1: ENDICOTT BRICK - MANGANESE IRONSPOT, VELOUR FINISH
N-1	PERIMETER NEON LIGHTING BY OTHERS ON EXTENT OF ANODIZED ALUMINUM FASCIA
S-1	SOFFIT TYPE 1: GOLD BOND EXTERIOR GYPSUM BOARD, STO DIRECT APPLIED FINISH
W-1	WOOD TYPE 1: GEOLAM 4G TRIM SOLEO 10 COLOR: MOLESKIN ON GALVANIZED TUBE STEEL FRAME

**REVISION SCHEDULE**

NO.	DATE	ISSUE

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Drawn By: ADT Architect: AS License Number:



SHEET SECTIONS

**A401**





PROJECT INFORMATION

ANDY'S FROZEN CUSTARD - CONWAY  
275 Dave Ward Dr., Conway, AR 72034

ISSUE

BID / PERMIT SET

MARCH 9, 2015

ARCHITECT

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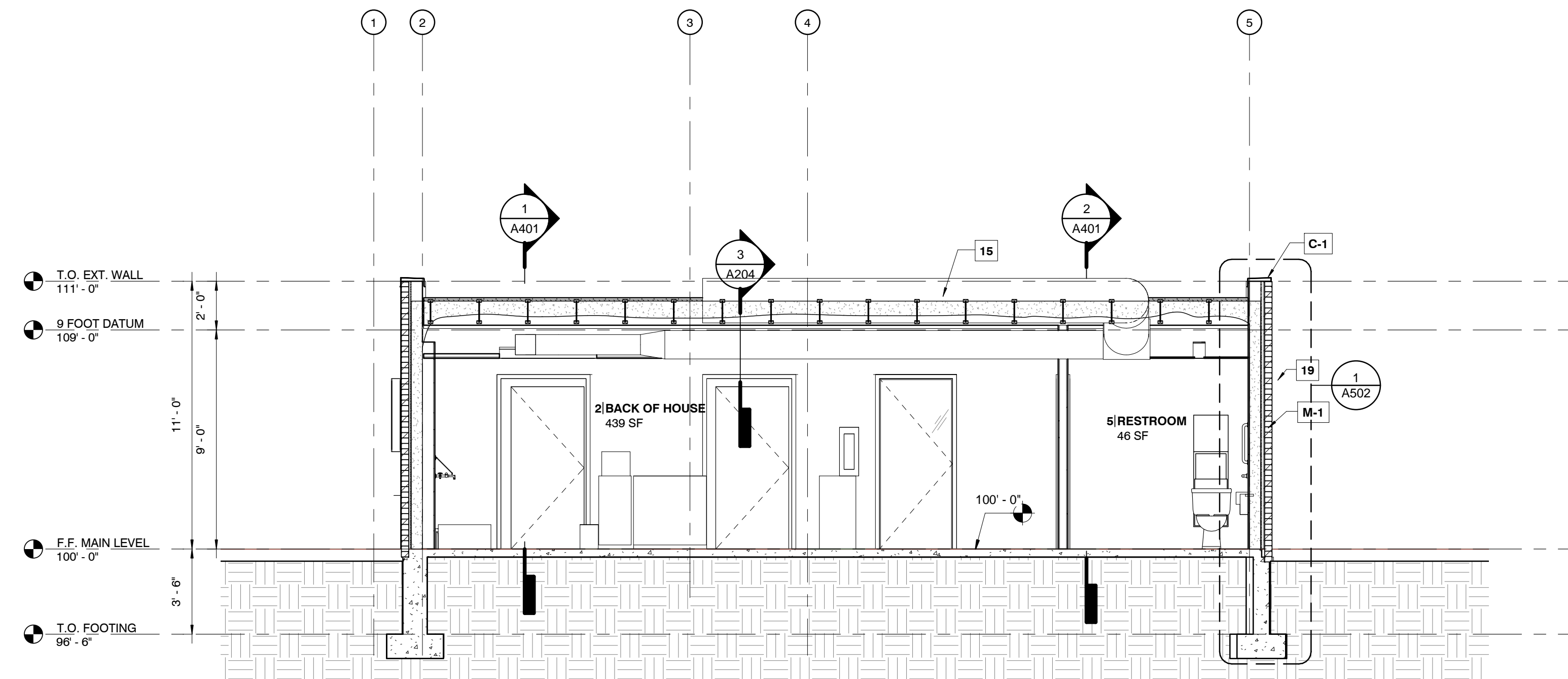
M.E.P. ENGINEER:

M.F.E.C., Inc.  
3333 E. Battlefield Road, Suite 1000  
Springfield, MO 65804  
P: 913-322-1400 / www.mfec.com

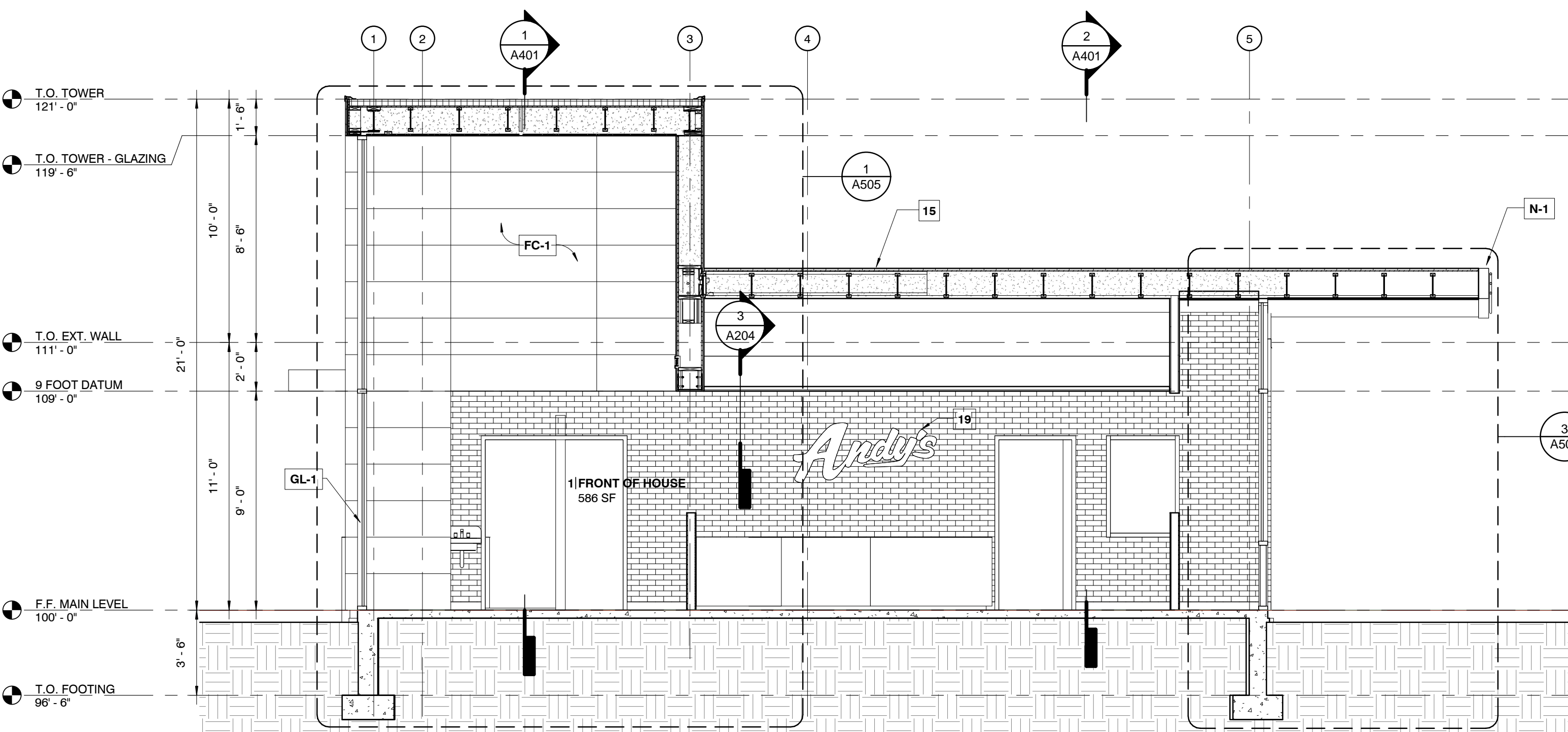
NOTES:

KEYNOTES:

- ROOF DRAINS BELOW SIDEWALK TO STORM SEWER - NOTE: EXPELL WATER UNDER SIDEWALK TO CURB - NOT ONTO WALK.
- WHITE VINYL FILM APPLIED TO GLAZING
- ALIGN CLG. W/ COUNTER FACE BELOW
- TACTILE ALUMINUM EXIT SIGNAGE IN COMPLIANCE WITH SECTION 1011.3 IBC 2006 SURFACE MOUNTED TO DOOR.
- TACTILE ALUMINUM RESTROOM SIGNAGE IN COMPLIANCE WITH SECTION 1110.1 IBC 2006 SURFACE MOUNTED TO DRYWALL.
- PROVIDE 3" CLEAR ACCESSIBLE EGRESS PATH.
- DUCTWORK LOCATION AND SIZING PER MEP
- ROOF STRUCTURE WITH CLEAR ANODIZED ALUMINUM FASCIA WITH 3 CONTINUOUS BANDS OF NEON TUBING
- INSTALL CORNER GUARDS, TYP.
- PROVIDE HOT AND COLD WATER HOSE BIB ON WALL.
- FIRE EXTINGUISHER AND CABINET - SEE 4/A701
- COORDINATE INSTALLTION OF WALK-IN COOLER AND FREEZER W/ SUPPLIER
- CENTERLINE OF LIGHTS TO ALIGN W/ MULLIONS. SPACE EQUALLY WHERE MULLION DO NOT EXIST
- 8" Ø PVC SODA CHASE - RUN UNDER SLAB
- ROOF CONSTRUCTION - 60 MIL WHITE TPO ROOFING MECHANICALLY FASTENED ON 1" RIGID INSULATION OVER TJI'S PER STRUCTURAL WITH OPEN CELL INSULATION - MINIMUM OF R-30
- CENTER LIGHT OVER TOILET
- CORNER TO BE BUTT-GLAZED WITH A 45 DEGREE MULLION
- CUSTARD MACHINES TO STRADDLE FLOOR SINKS
- ANDY'S MENU AND POSTER SIGNAGE BY OTHERS - VERIFY INSTALLED LOCATION W/ OWNER
- STAINLESS STEEL SERVING COUNTER @ DRIVE THRU WINDOW - SEE DETAIL 3/A503
- MAINTAIN A MINIMUM OF 10" CLEAR ON OPERABLE SIDE OF WALK-IN COOLER AND FREEZER - COORDINATE DETAILING W/ MFG.
- TRASH / RECYCLING PER OWNER
- 5" DIAMETER DOWNSPOUT - CONNECTED TO STORM SEWER PER CIVIL PLANS
- 60 MIL WHITE TPO MECHANICALLY FASTENED WITH 1" RIGID INSULATION.
- PROVIDE SOLID BLOCKING FOR ALL SHELVES & WALL MOUNTED EQUIPMENT. SEE A203 FOR LOCATIONS
- COLUMNS PER STRUCTURAL - PAINTED P-1.
- ATAS PREFINISHED METAL GUTTER AND DOWNSPOUT COLOR: 17 BRITE RED
- STEEL PIPE BOLLARD - 4" DIAMETER SCHEDULE 40 STEEL PIPE - 4' ABOVE GRADE W/ 2' CORE BELOW GRADE
- SQUARE CUT ROOF EDGE
- SITE WORK PER CIVIL PLANS AND SPECIFICATIONS
- PREFINISHED METAL BOX GUTTER
- EASI-SERV PRODUCTS INC. - SS SERIES IN-LINE SIDE SLIDER - DRIVE THRU WINDOW PER WINDOW AND CURTAIN WALL SCHEDULE
- CAP AND SILL FLASHING AT TOP DATUM OF MASONRY VENEER AND FREESTANDING WALL, TYP.
- FOUNDATION PER STRUCTURAL
- WALL TYPE PER PLAN
- ANDY'S FROZEN CUSTARD NEON CONE SIGN "MADE FRESH EVERY HOUR" - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING - SUSPEND FROM HORIZONTAL MULLION AND CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION
- ANDY'S FROZEN CUSTARD SPRECHER ROOT BEER NEON SIGN - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING - SUSPEND FROM HORIZONTAL MULLION AND CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION



2 TRANSVERSE SECTION - 2  
1/4" = 1'-0"



1 TRANSVERSE SECTION - 1  
1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE

#	DESCRIPTION
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NO.	DATE	ISSUE

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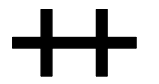
Drawn By: ADT Architect: AS License Number:  
Project Number: 238



SHEET SECTIONS

A402





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

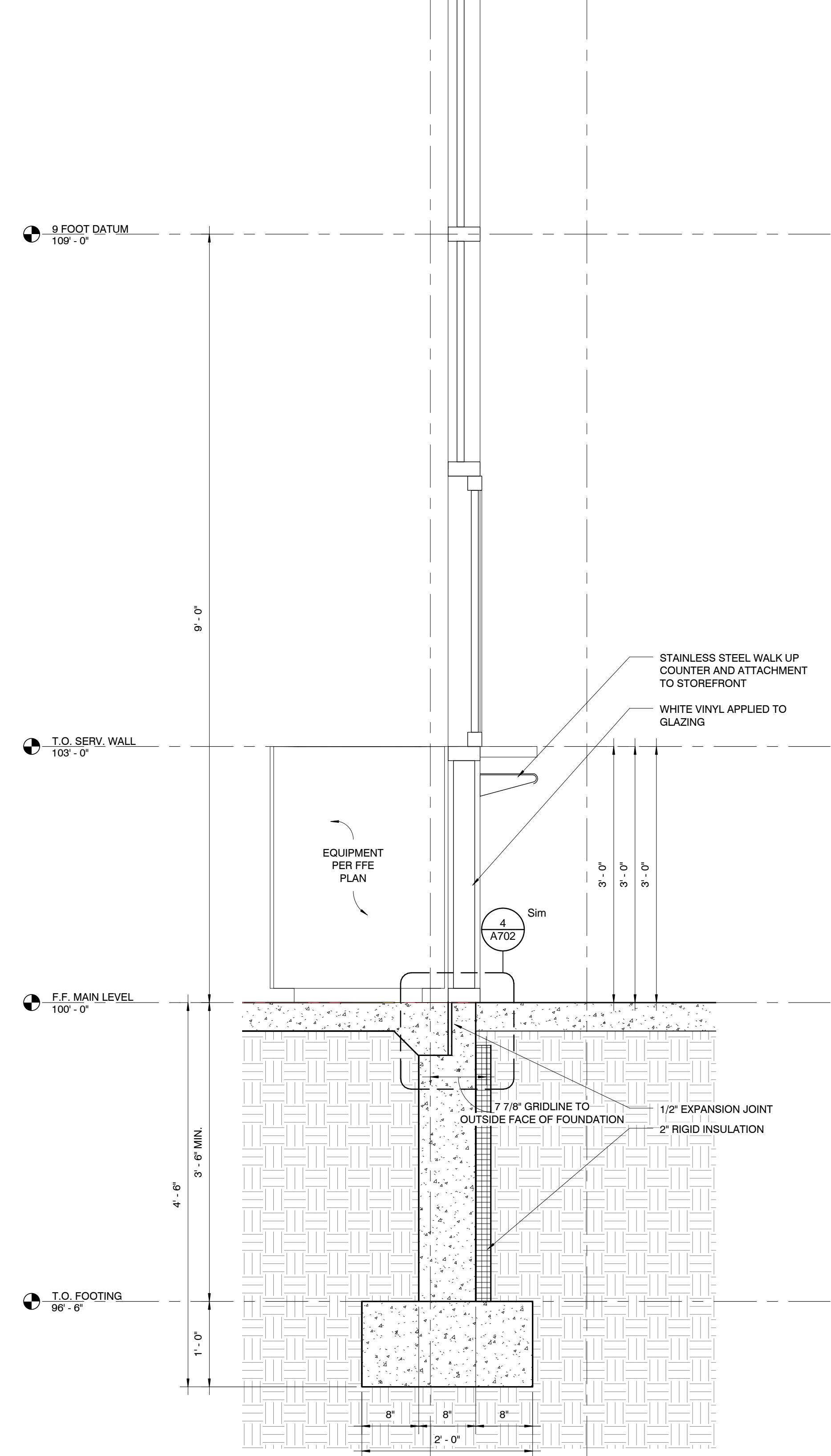
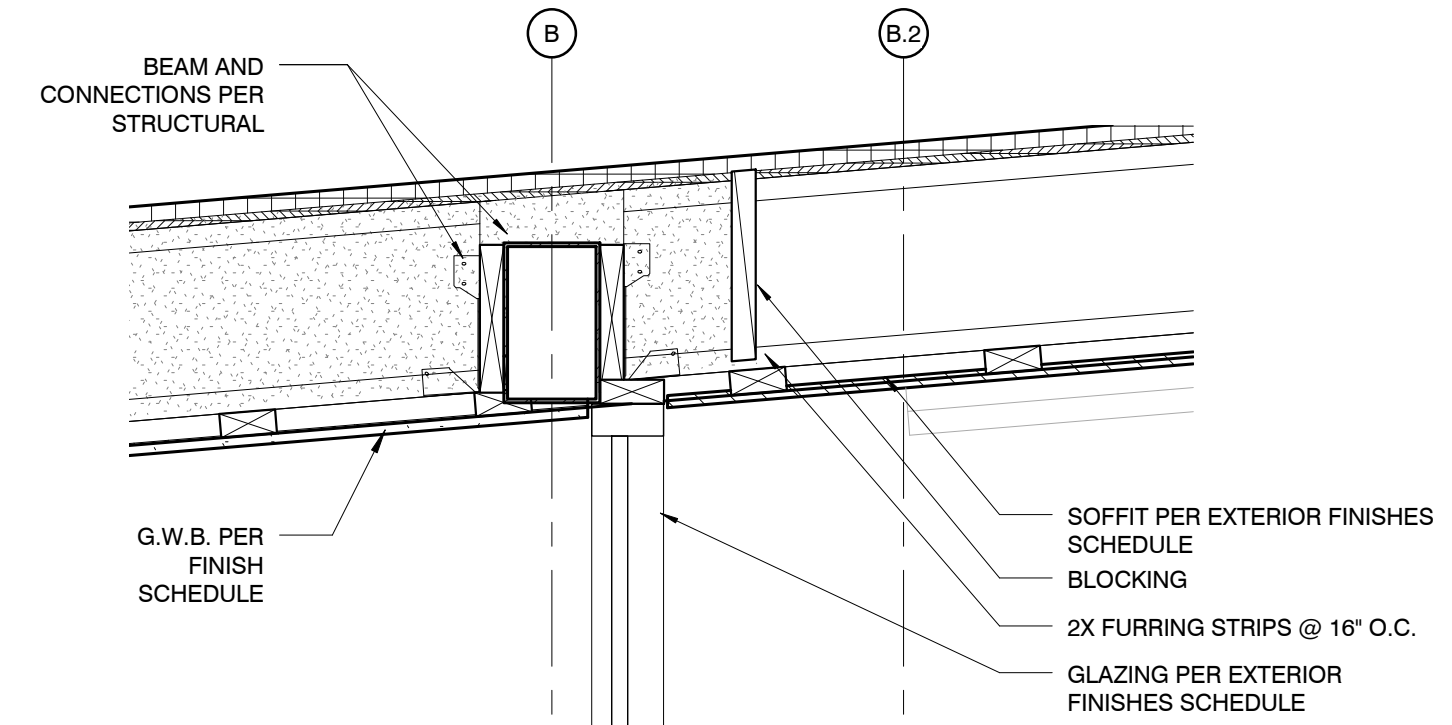
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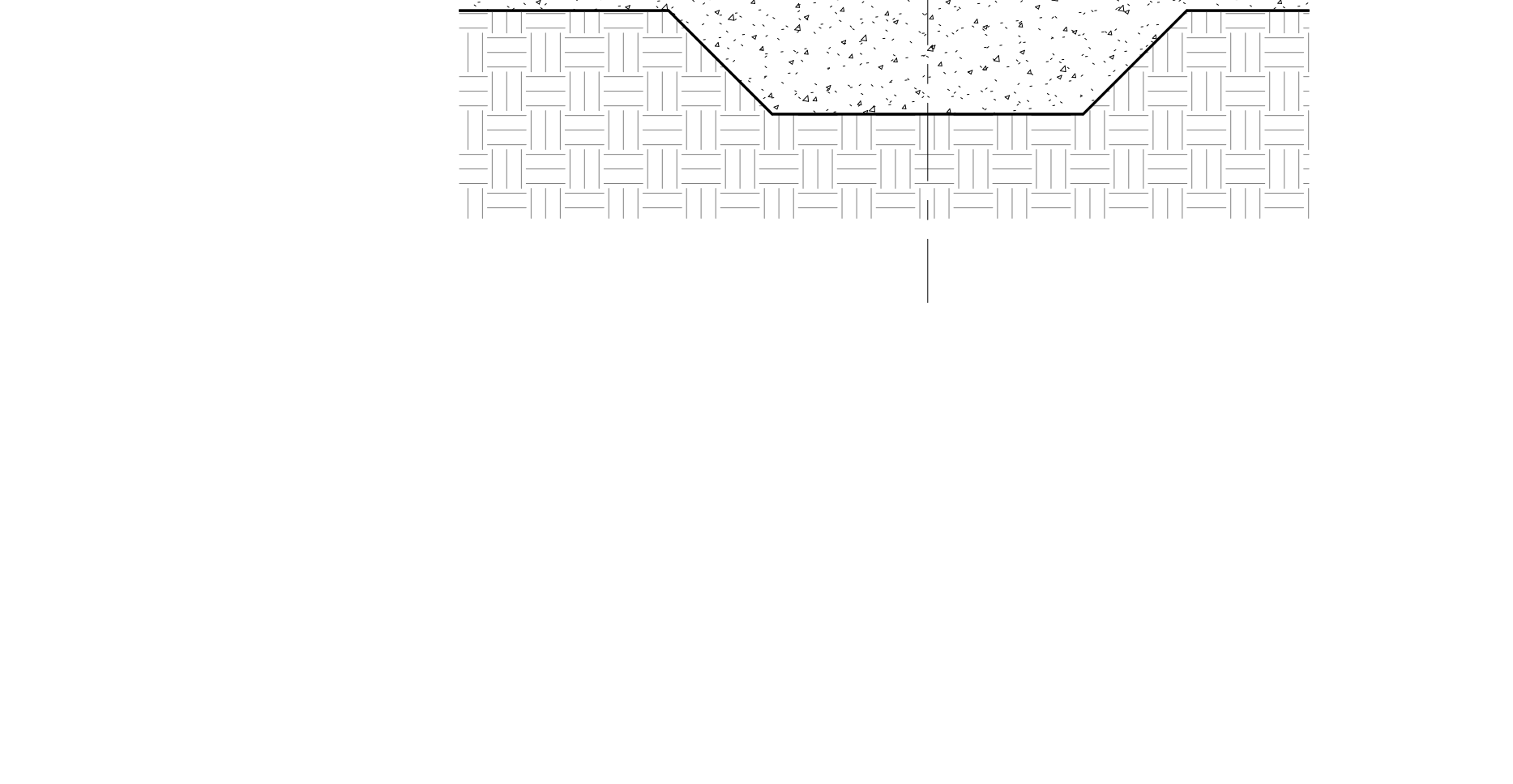
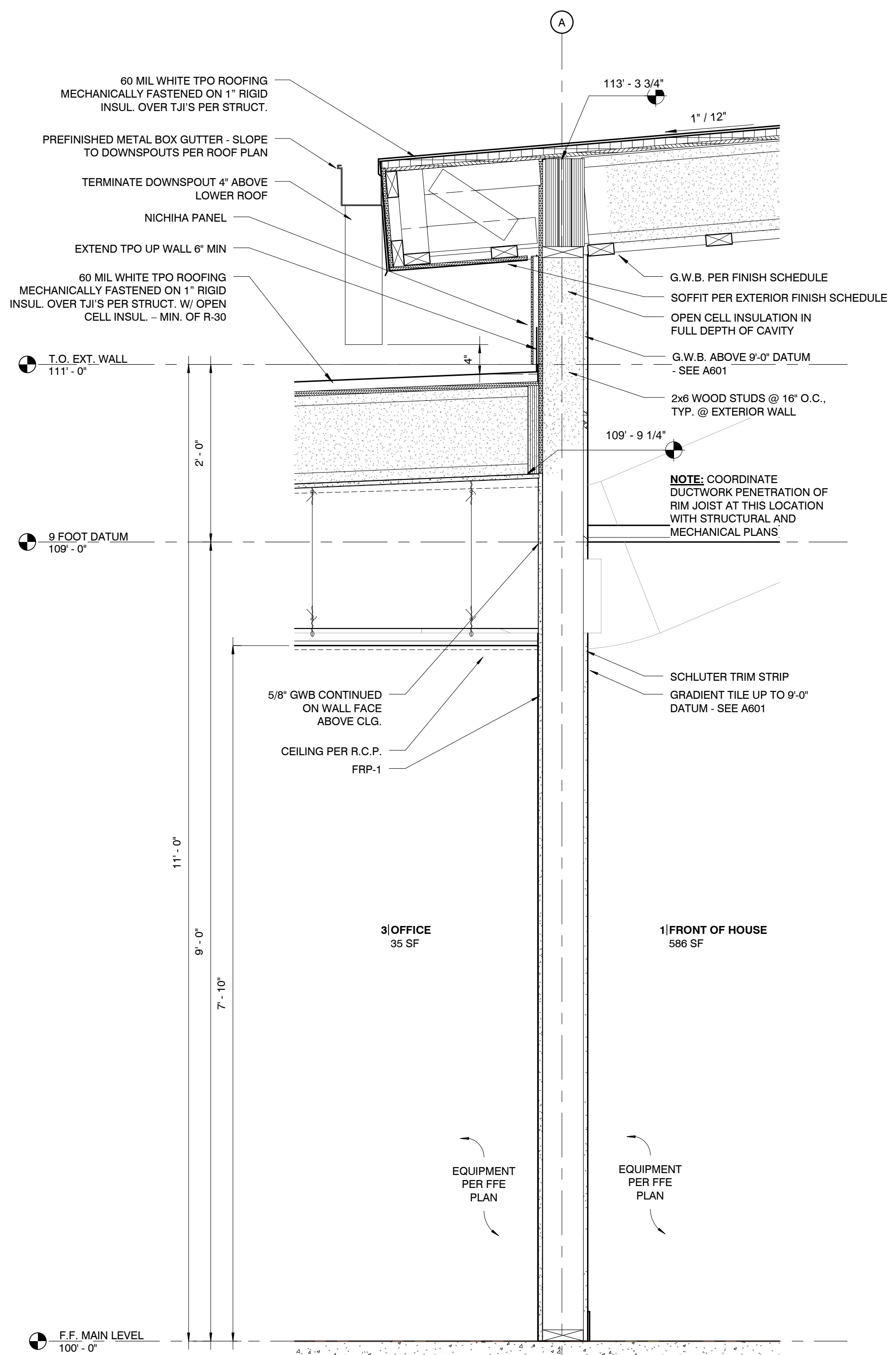
STRUCTURAL ENGINEER:  
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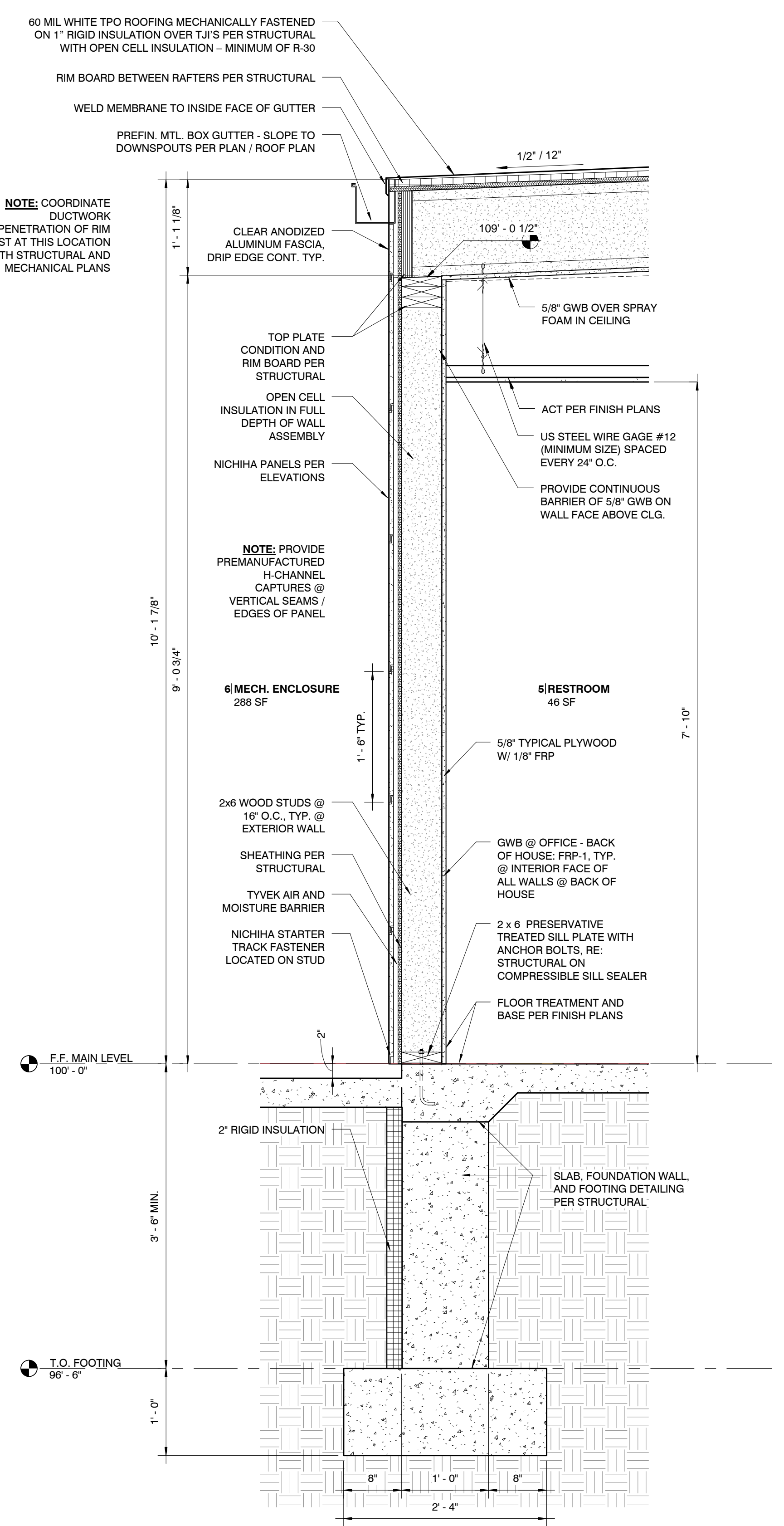
NOTES:



3 WALL SECTION - 3  
 1" = 1'-0"



2 WALL SECTION - 2  
 1" = 1'-0"



1 WALL SECTION - 1  
 1" = 1'-0"

REVISION SCHEDULE		
NO.	DATE	ISSUE

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 Project Number: 238



SHEET  
 WALL SECTIONS/ DETAILS

**A501**

3/9/2015 09:47 AM





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

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NOTES:

REVISION SCHEDULE		
NO.	DATE	ISSUE

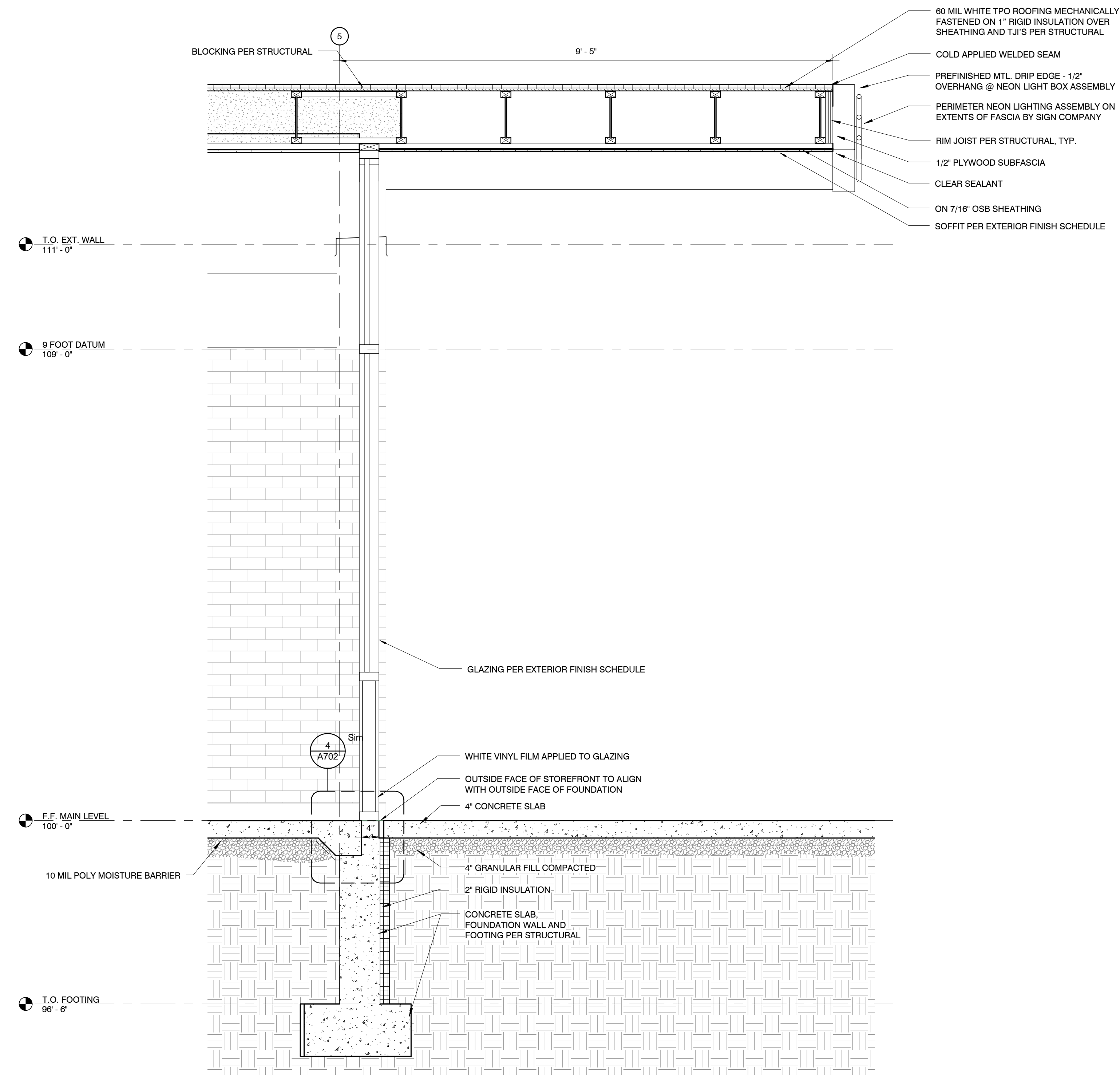
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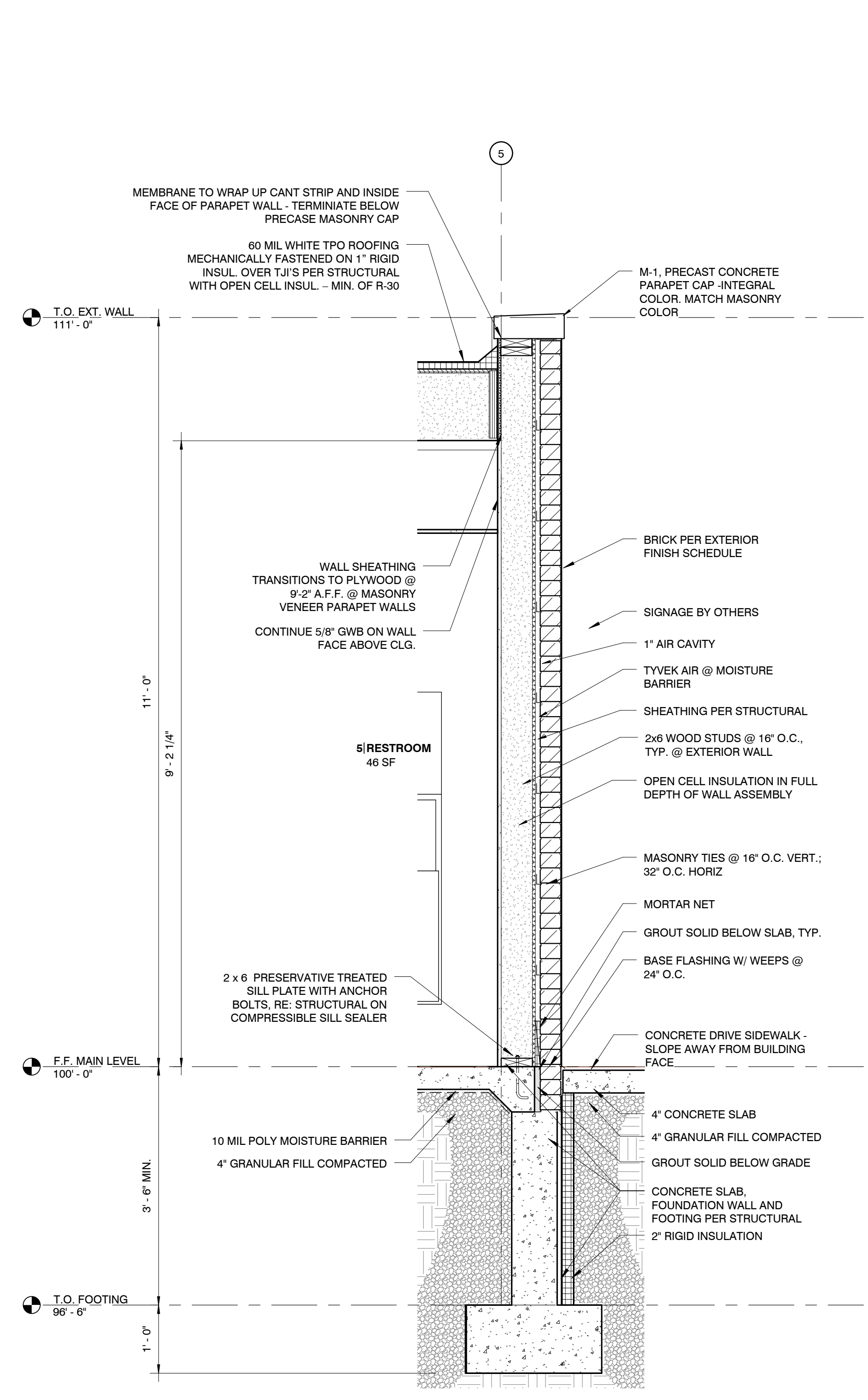


SHEET  
 WALL SECTIONS/ DETAILS

**A502**



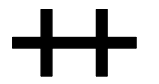
3 WALL SECTION - 7  
 3/4" = 1'-0"



1 WALL SECTION - 6  
 3/4" = 1'-0"

30.0215.06.07 PM





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

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NOTES:

REVISION SCHEDULE		
NO.	DATE	ISSUE

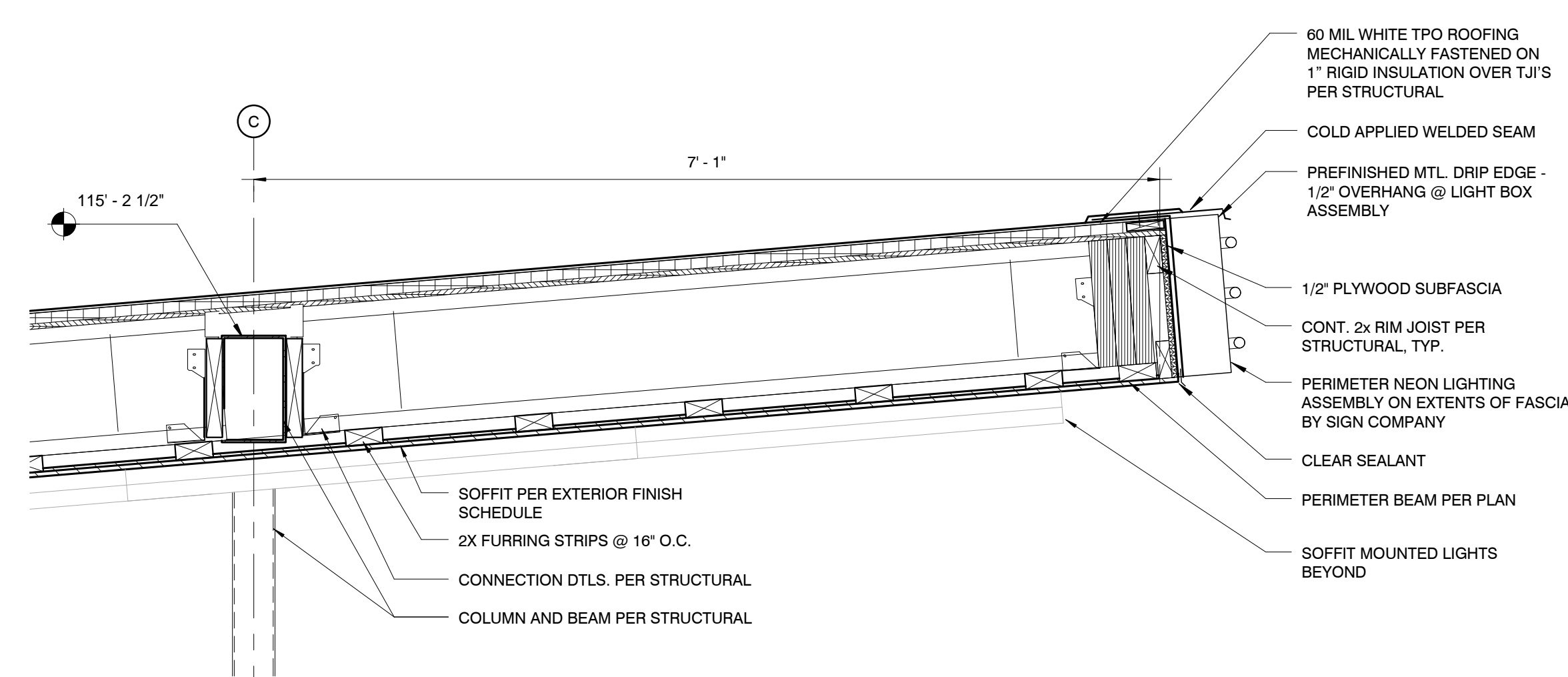
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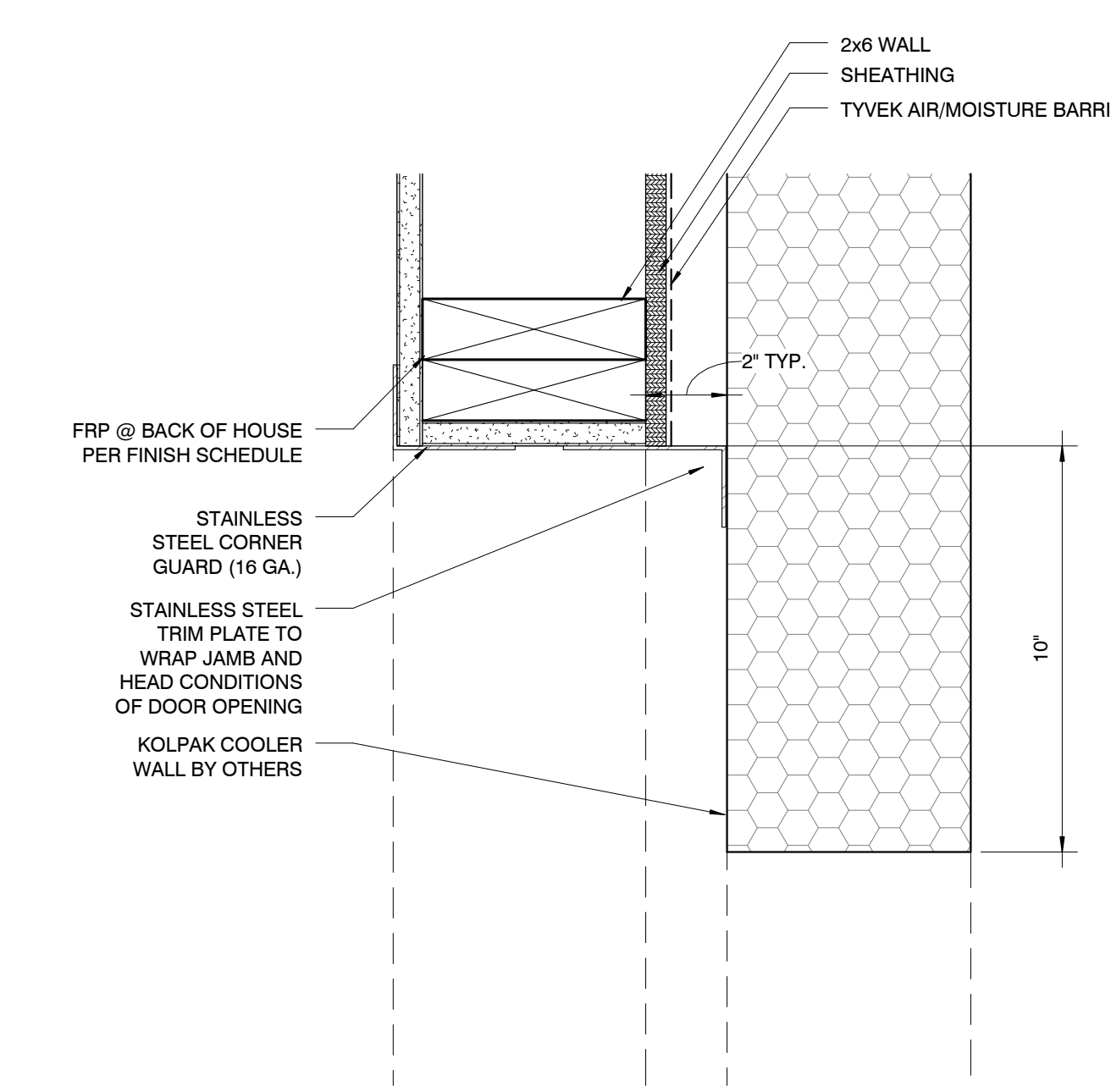


SHEET  
**WALL SECTIONS/ DETAILS**

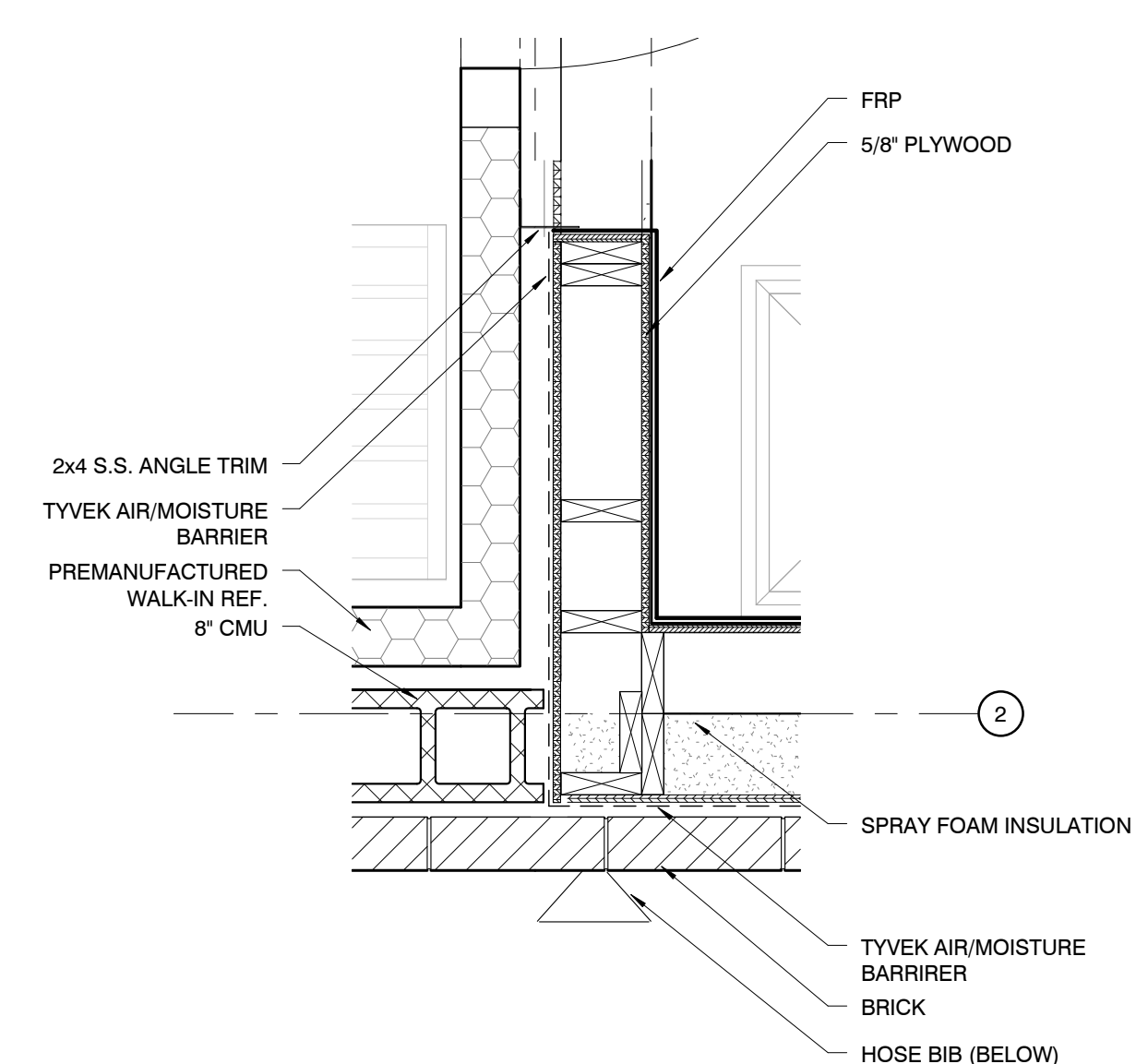
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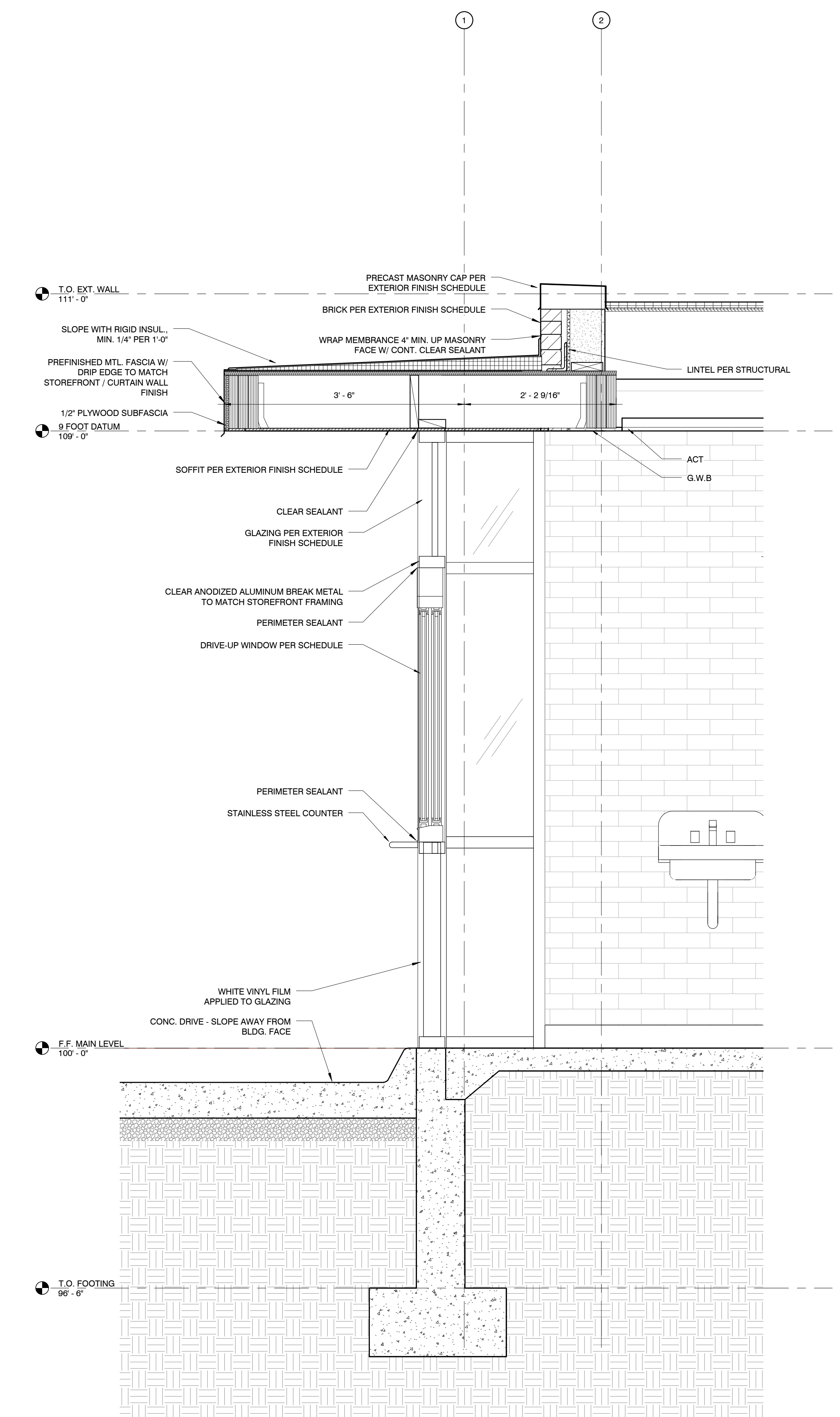
2 DETAIL SECTION @ OVERHANG - 1  
 1" = 1'-0"



1 DETAIL @ WALK-IN COOLER THRESHOLD  
 3" = 1'-0"



4 DETAIL @ COOLER DOOR  
 1" = 1'-0"



3 DETAIL SECTION @ DRIVE-THRU WINDOW  
 1" = 1'-0"

3/9/2015 08:47 AM





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

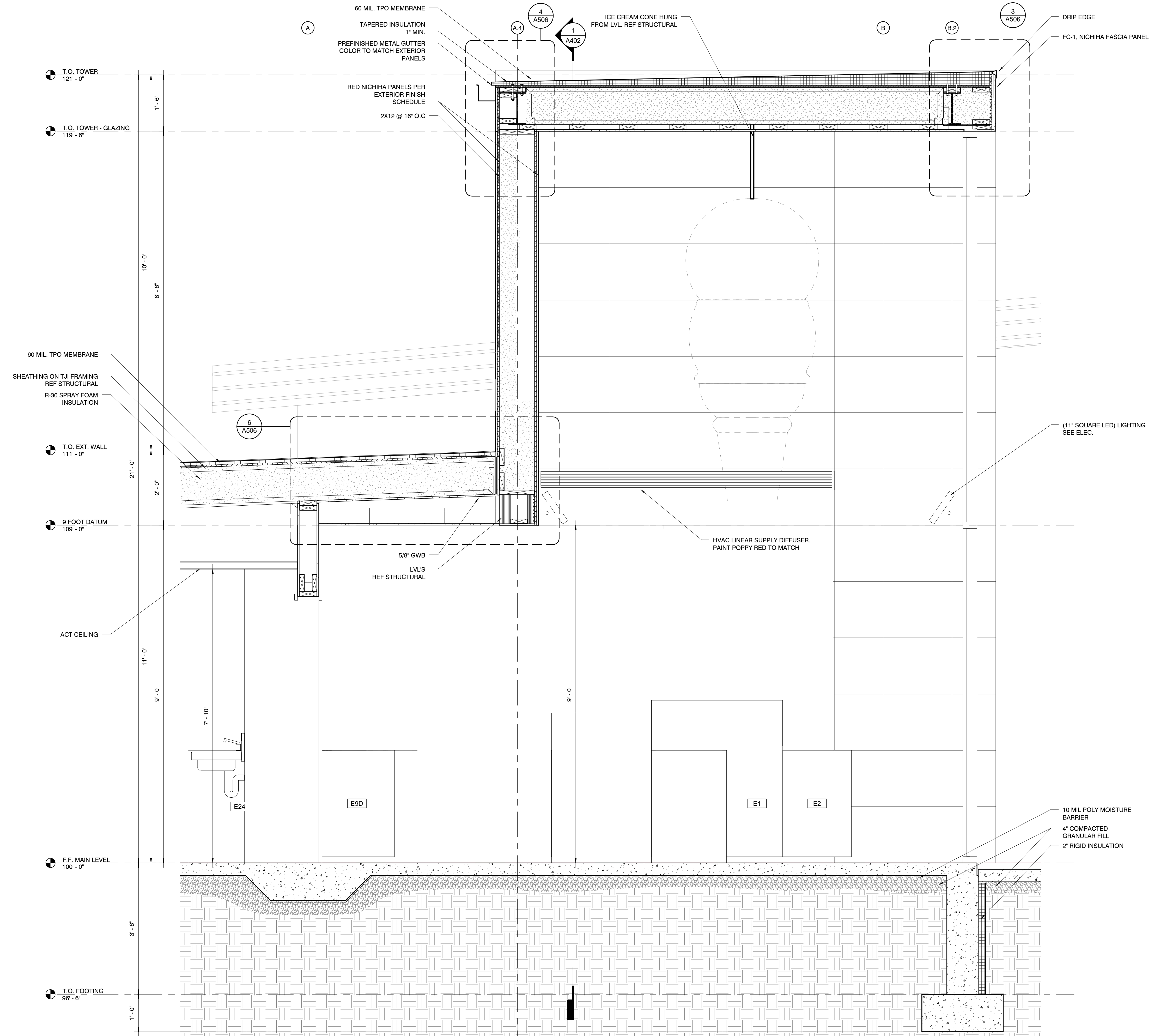
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NOTES:



REVISION SCHEDULE		
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SHEET  
 WALL SECTIONS/ DETAILS

**A504**

1 WALL SECTION @ TOWER - 1  
 3/4" = 1'-0"

08/20/15 08:57 PM





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

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NOTES:

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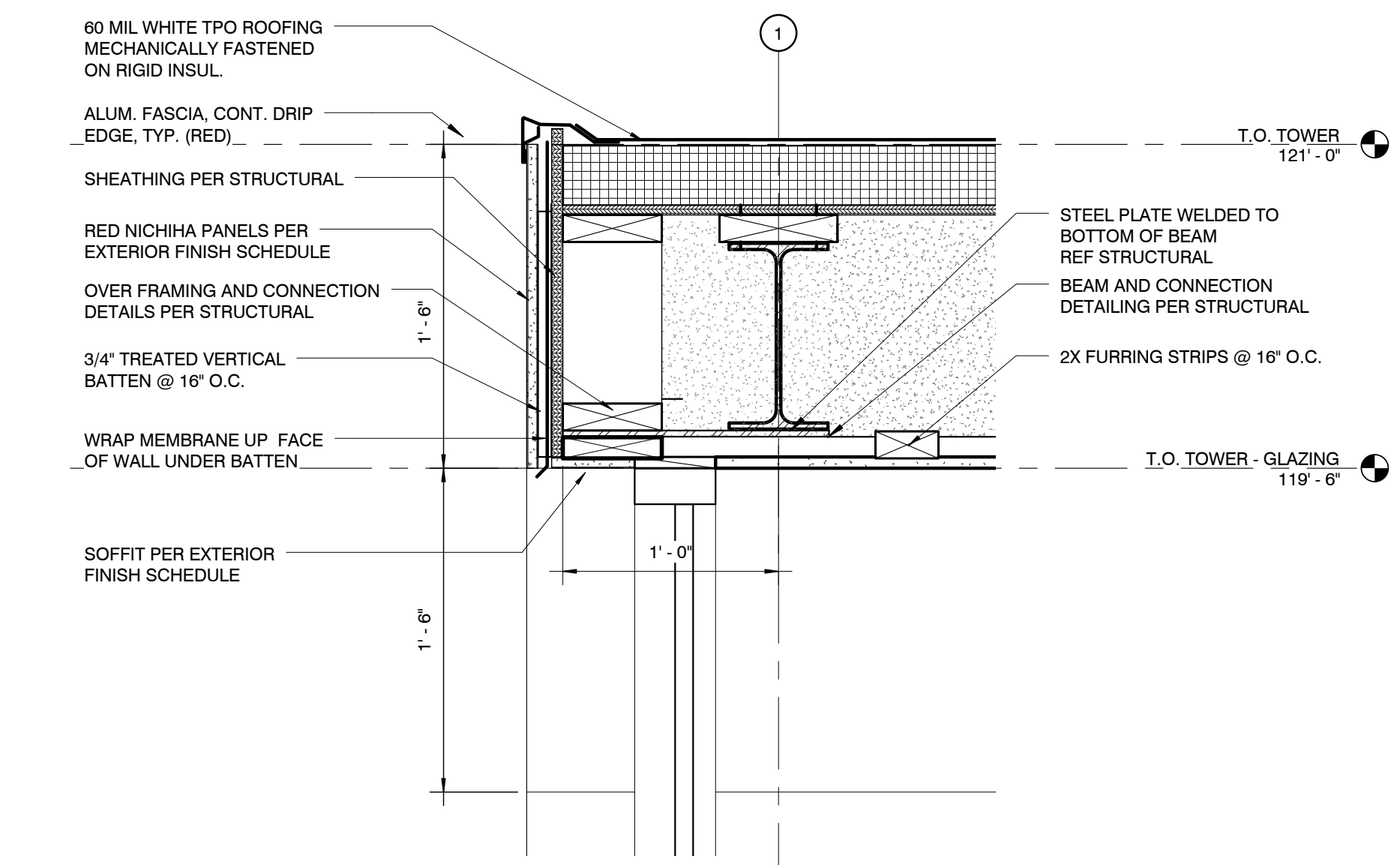
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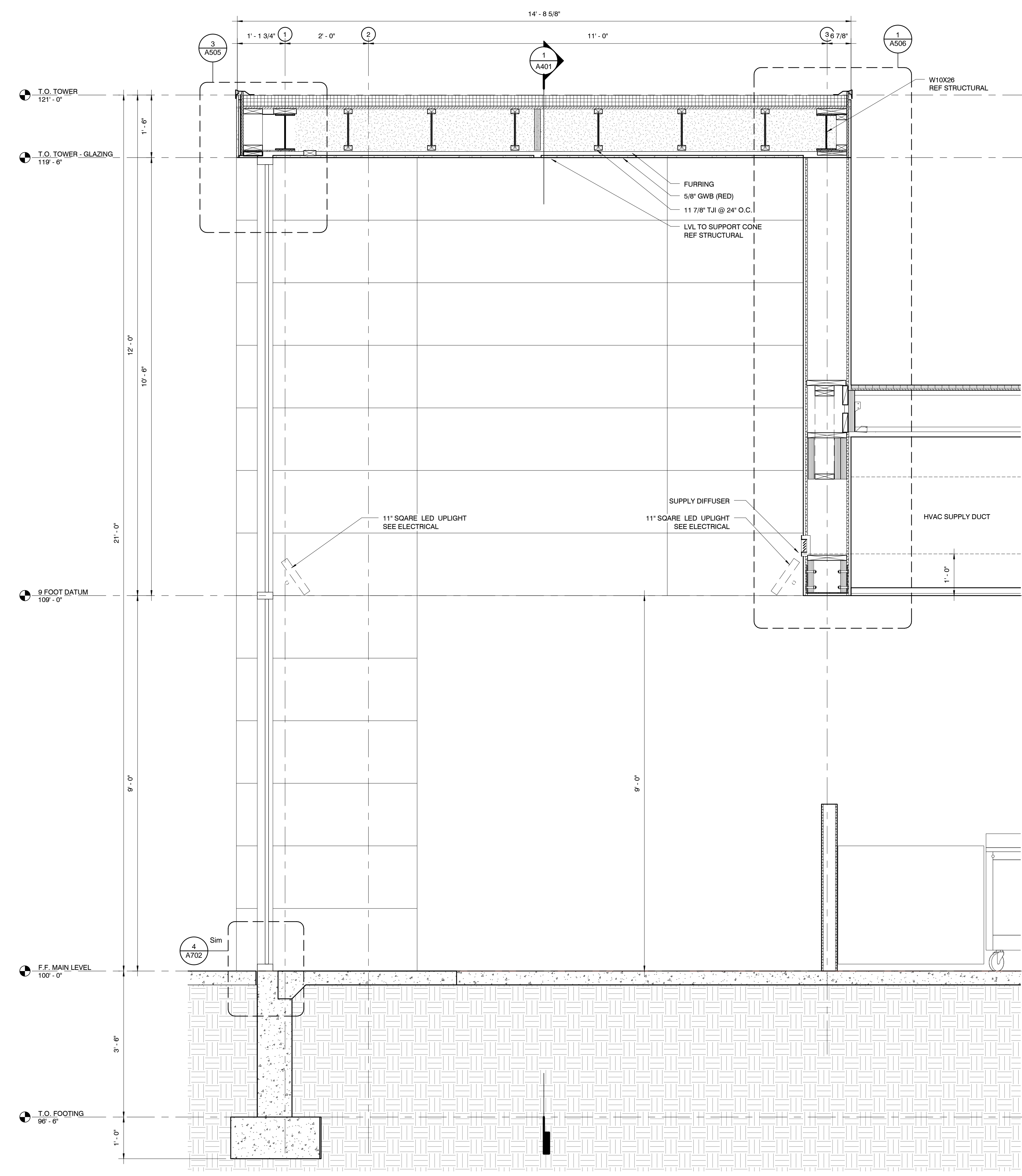


SHEET  
**WALL SECTIONS/ DETAILS**

**A505**



3 SECTION DETAIL @ TOWER - 2  
 1 1/2" = 1'-0"



1 WALL SECTION @ TOWER - 2  
 3/4" = 1'-0"

3/8/2015 08:57 AM





**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

**ISSUE**  
**BID / PERMIT SET**

**MARCH 9, 2015**

**ARCHITECT**  
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**NOTES:**

NO.	DATE	ISSUE
1		

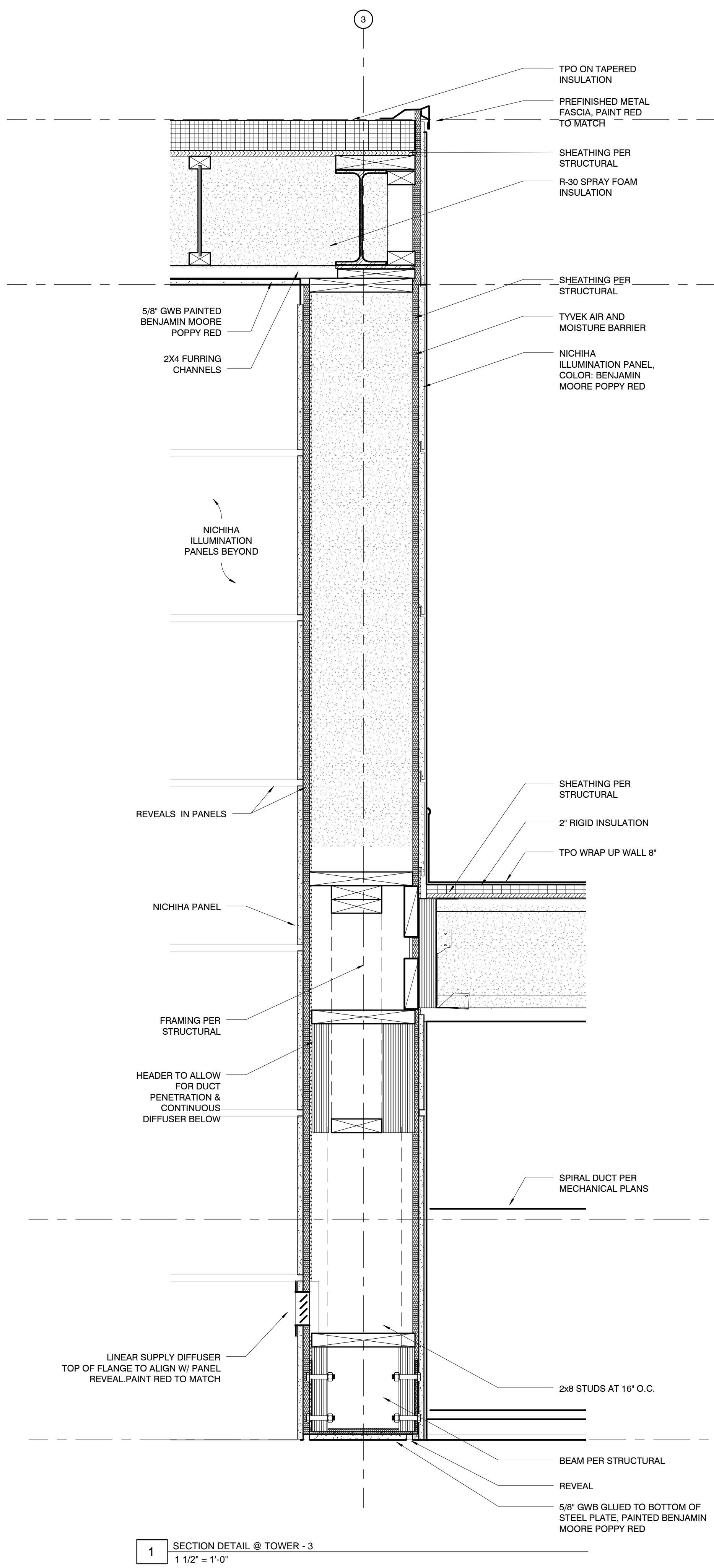
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 Project Number: 238 AS License Number:

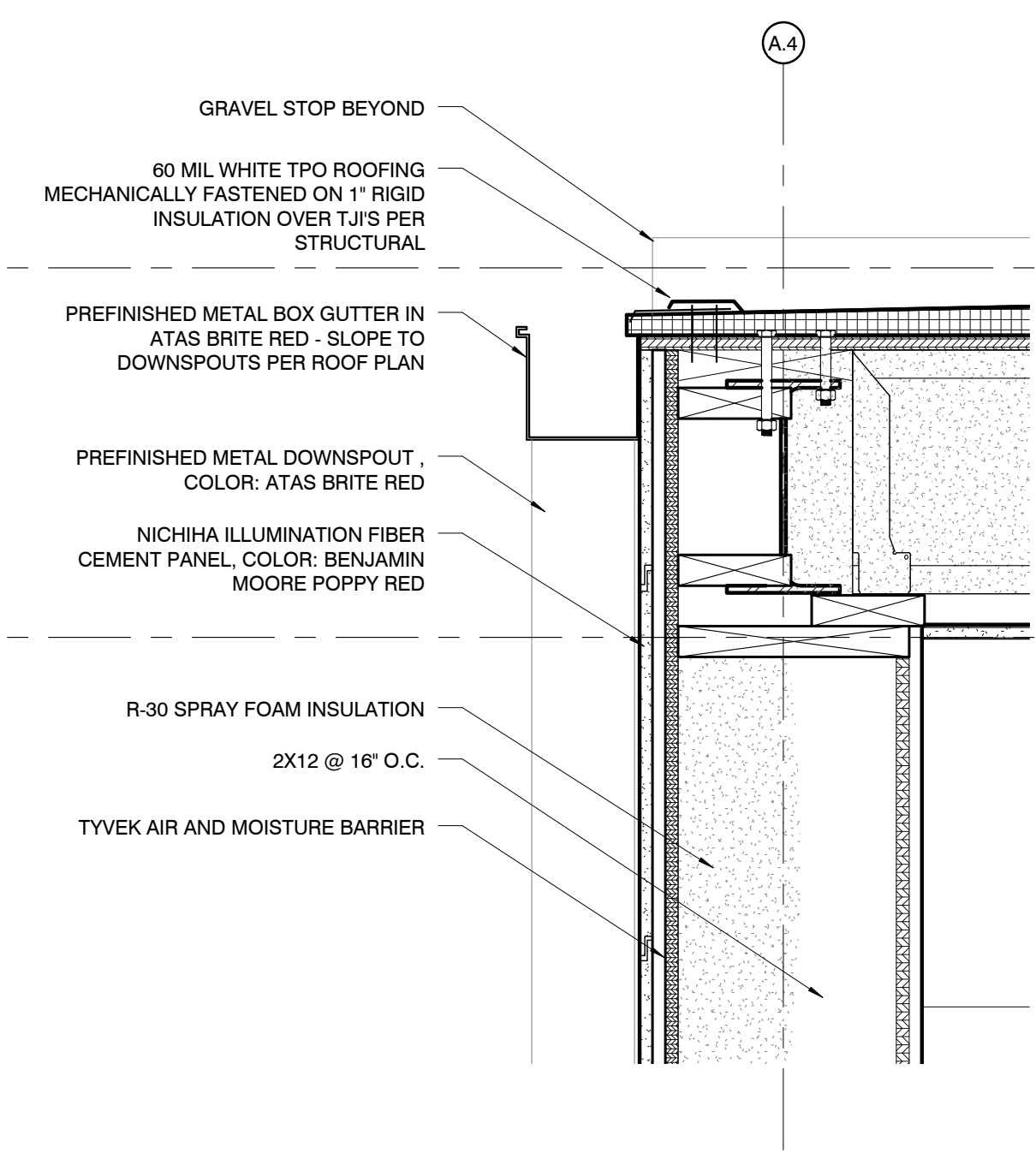


**SHEET**  
**WALL SECTIONS/ DETAILS**

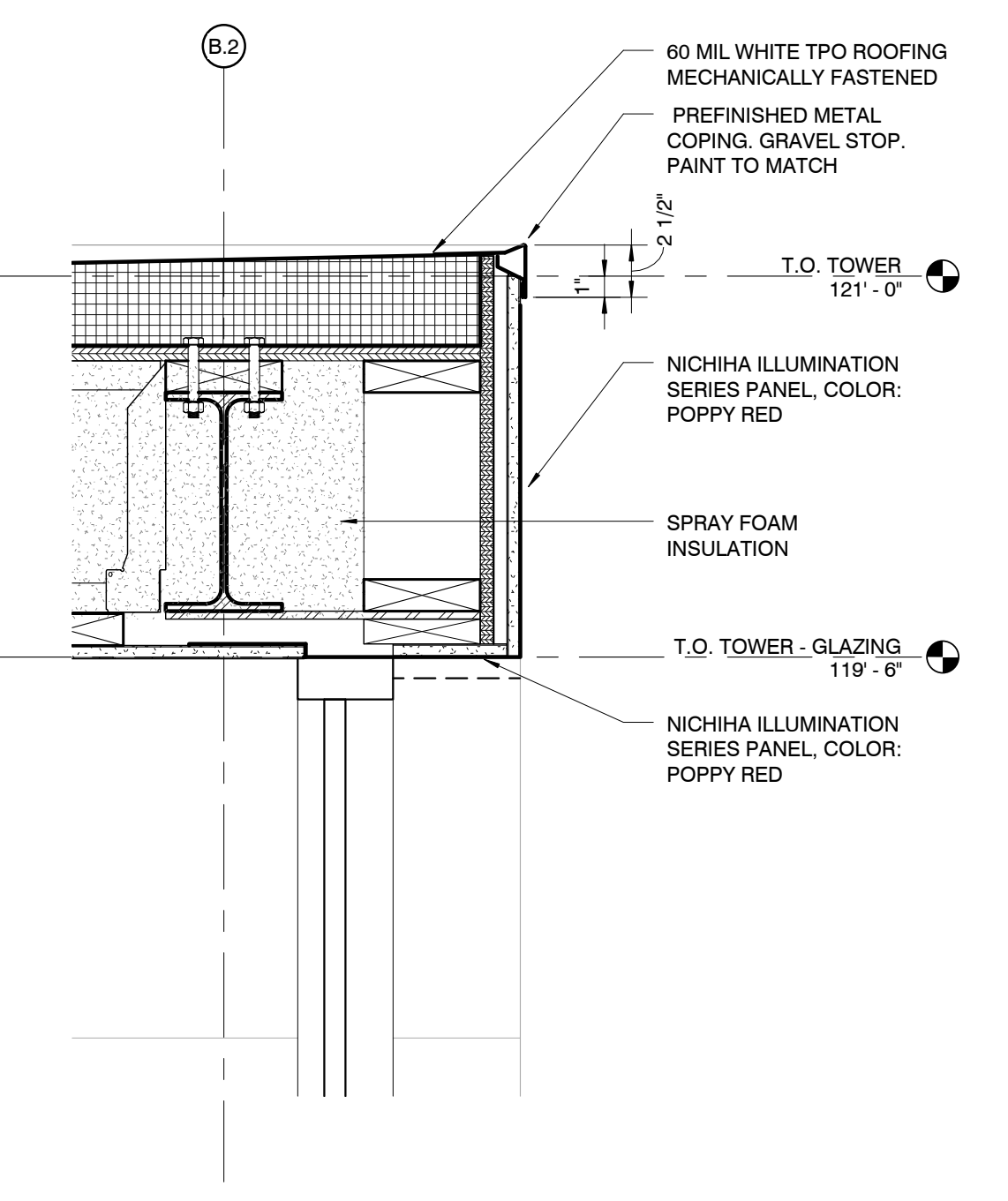
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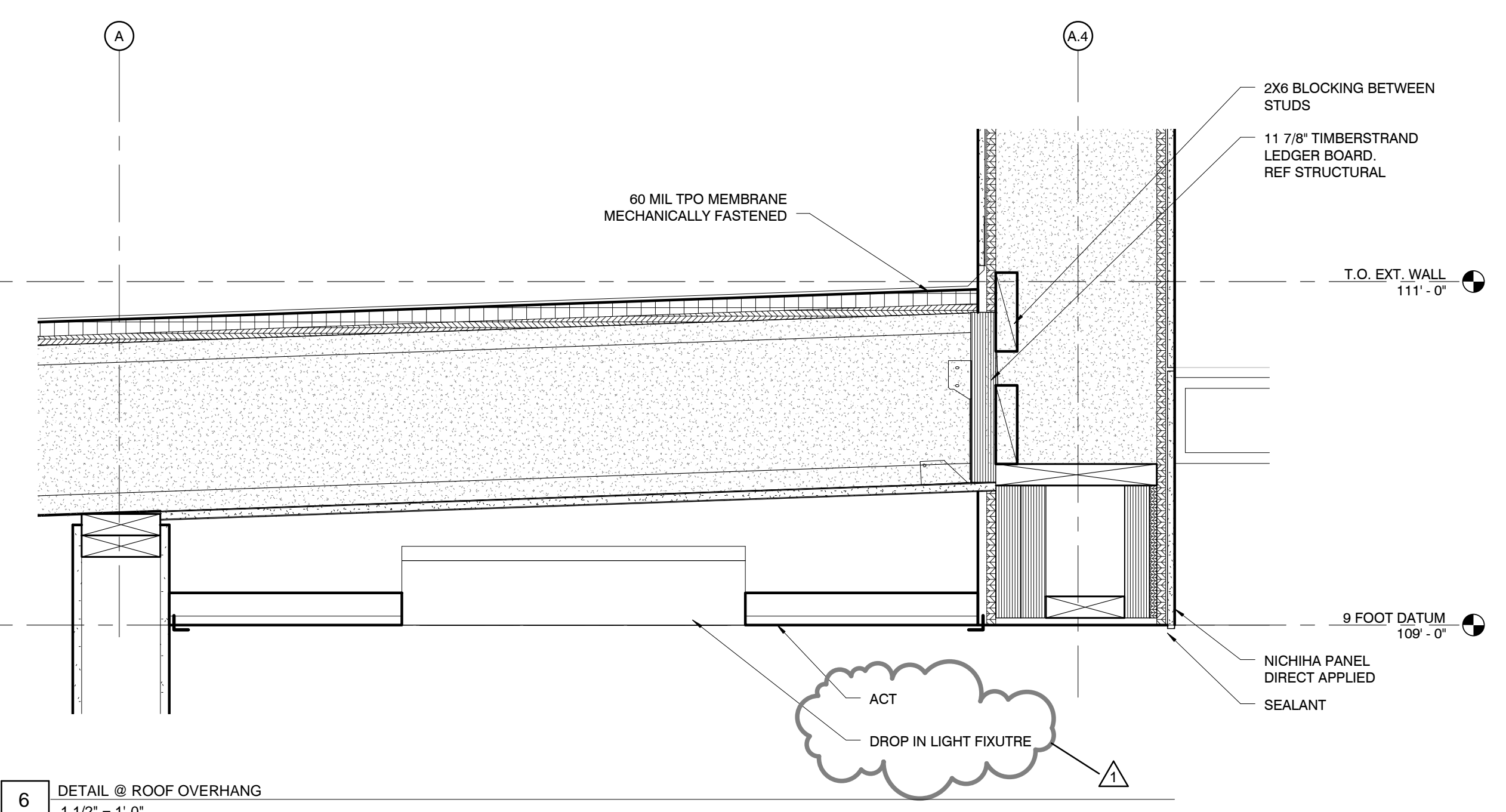
**1** SECTION DETAIL @ TOWER - 3  
 1 1/2" = 1'-0"



**4** PARAPET @ TOWER1  
 1 1/2" = 1'-0"



**3** PARAPET @ TOWER  
 1 1/2" = 1'-0"



**6** DETAIL @ ROOF OVERHANG  
 1 1/2" = 1'-0"

30/2015 08:56 PM









**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

**ISSUE**  
**BID / PERMIT SET**

**MARCH 9, 2015**

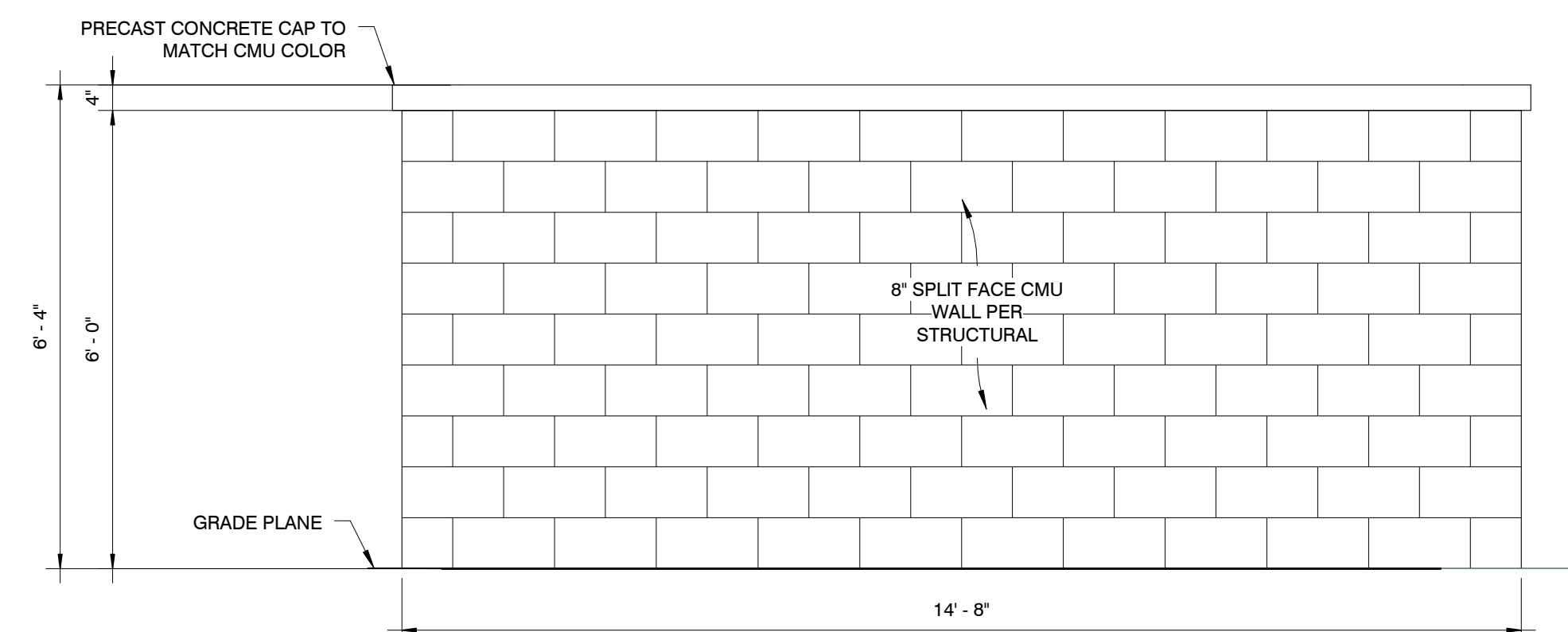
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 P.O. Box 10189  
 Russellville, AR 72812  
 P: 479-498-8236  
 www.craftontull.com

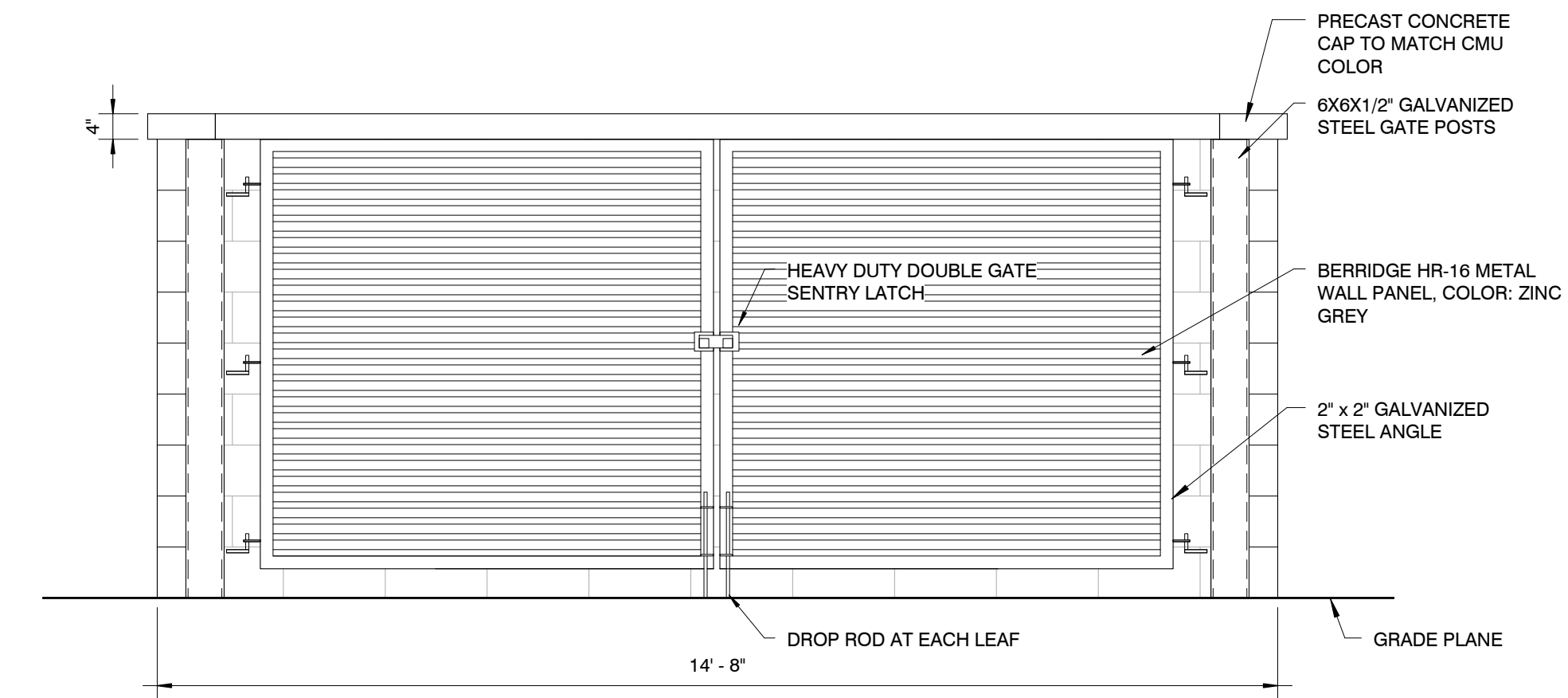
**STRUCTURAL ENGINEER:**  
**Mettemeyer Engineering, Inc.**  
 2101 W. Chesterfield Blvd., B-105,  
 Springfield, MO 65807  
 P: 417-890-8002 / F: 417-890-8003

**M.E.P. ENGINEER:**  
**M.F.E.C., Inc.**  
 3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

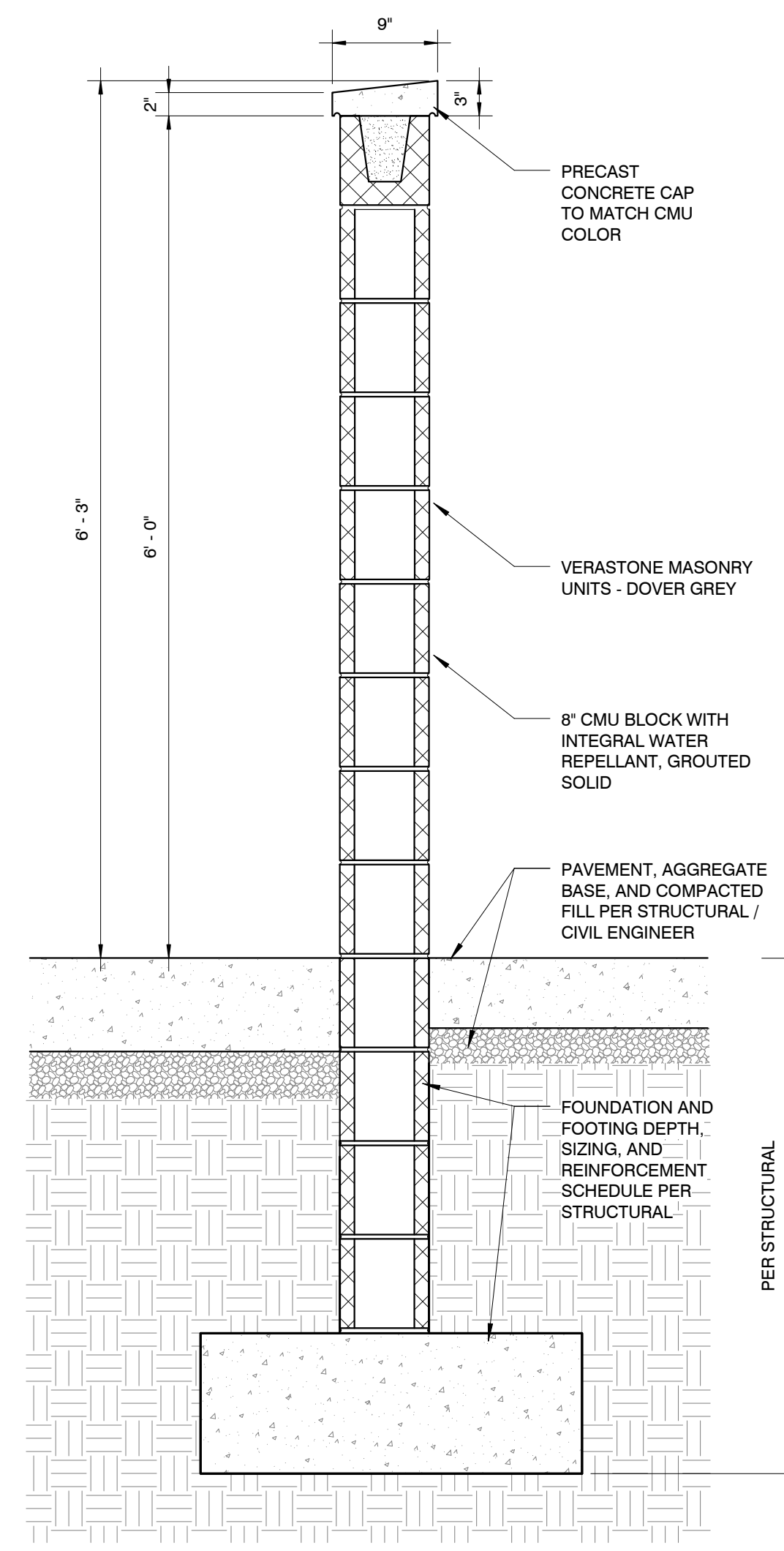
**NOTES:**



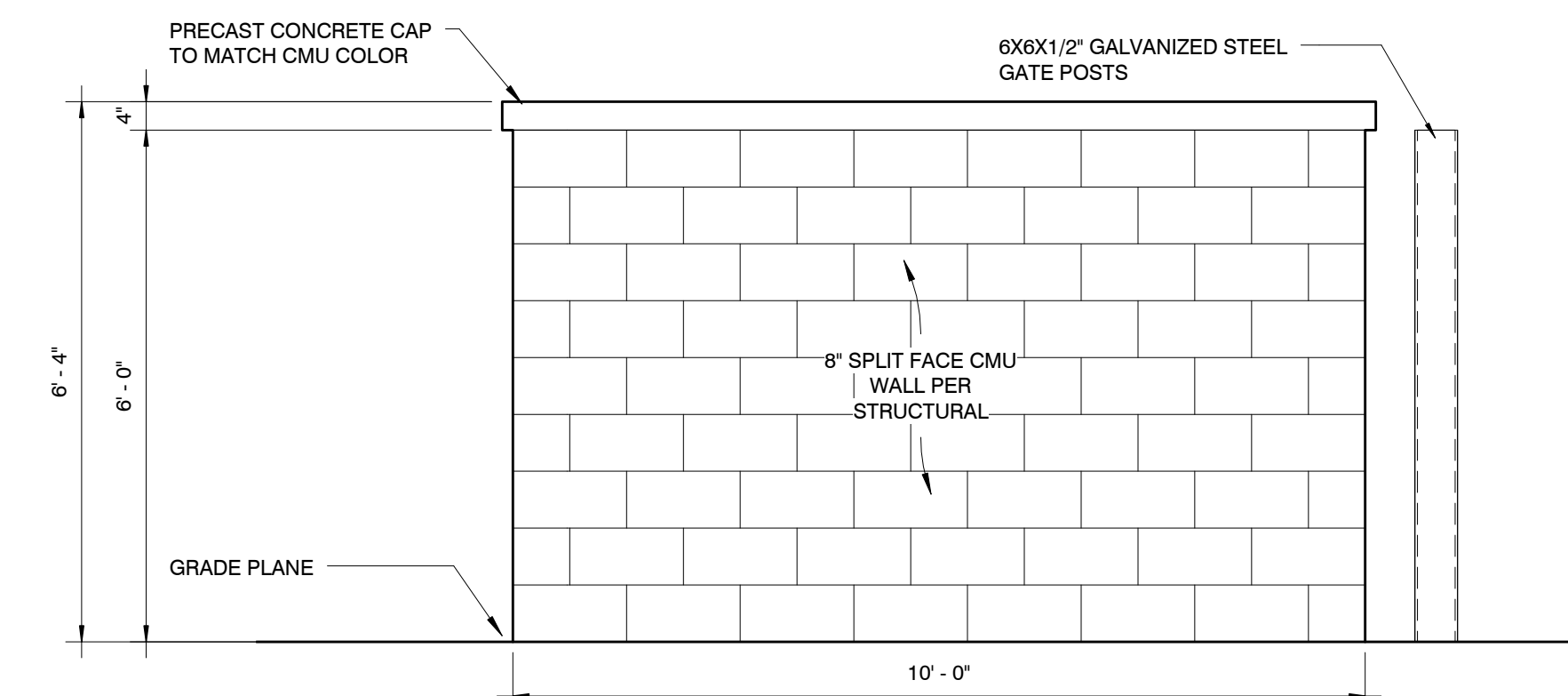
**3** ELEVATION  
 1/2" = 1'-0"



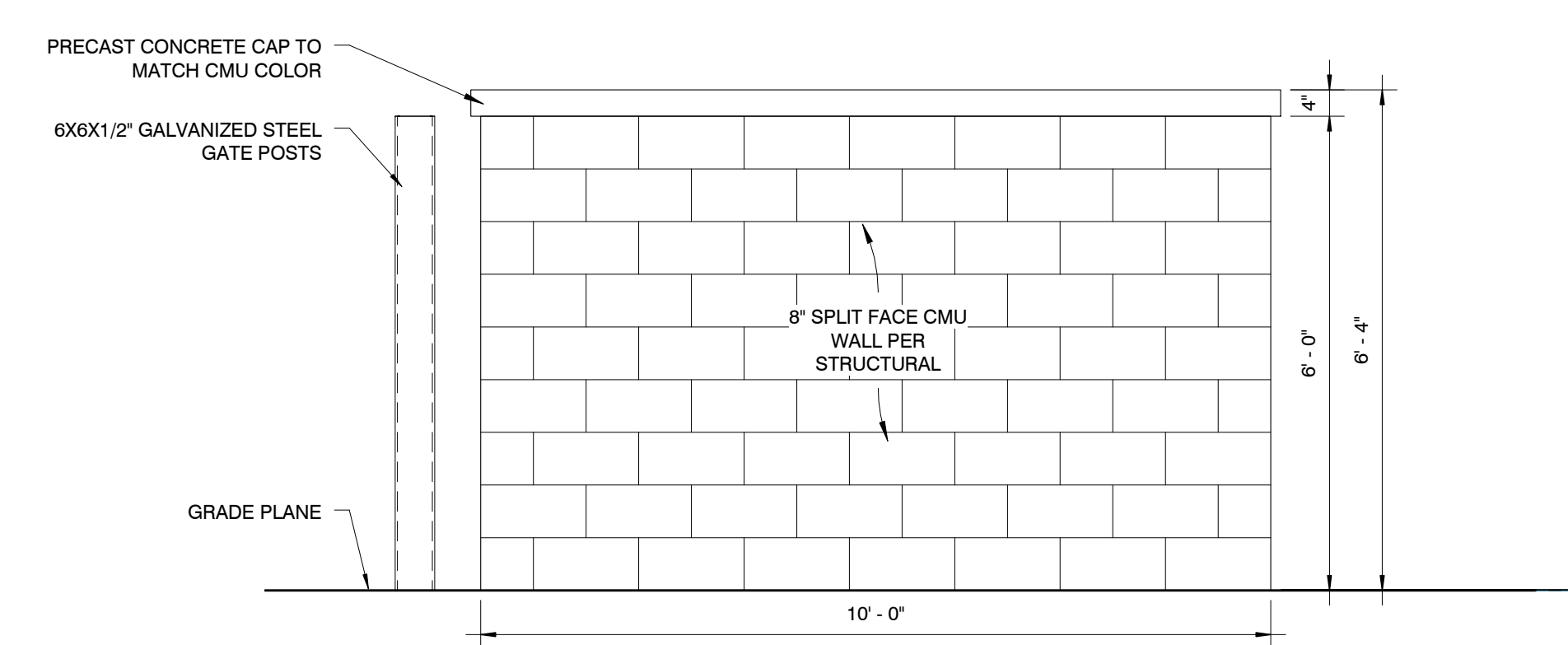
**5** ELEVATION  
 1/2" = 1'-0"



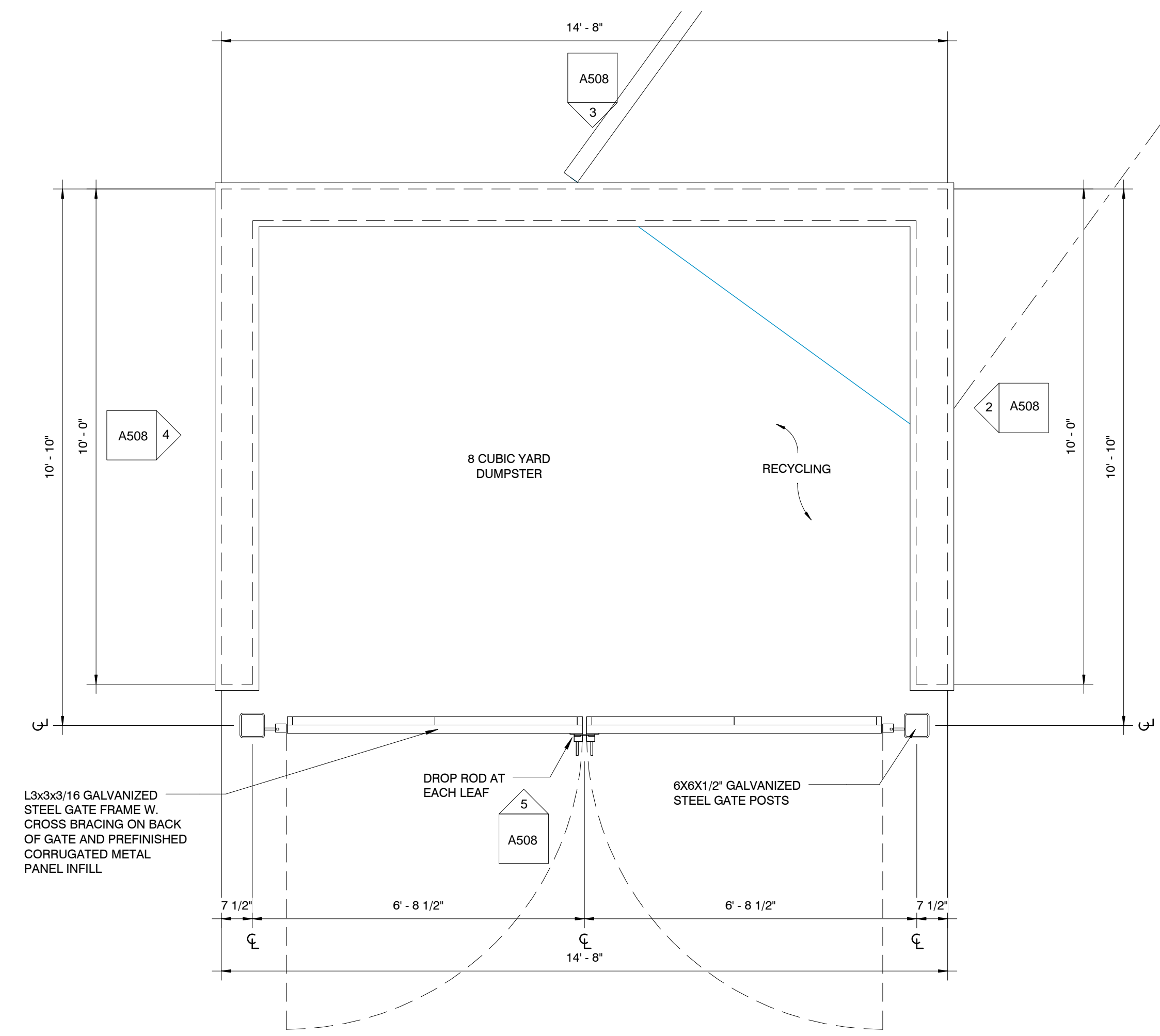
**6** SECTION @ MASONRY WALL  
 1" = 1'-0"



**4** ELEVATION  
 1/2" = 1'-0"



**2** ELEVATION  
 1/2" = 1'-0"



**1** ENLARGED PLAN  
 1/2" = 1'-0"

REVISION SCHEDULE		
NO.	DATE	ISSUE

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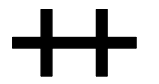
Drawn By: Author Architect: AS License Number:  
 Project Number: 238



**SHEET**  
**DUMPSTER ENCLOSURE**  
**DETAILS**

**A508**





**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

**ISSUE**  
**BID / PERMIT SET**

**MARCH 9, 2015**

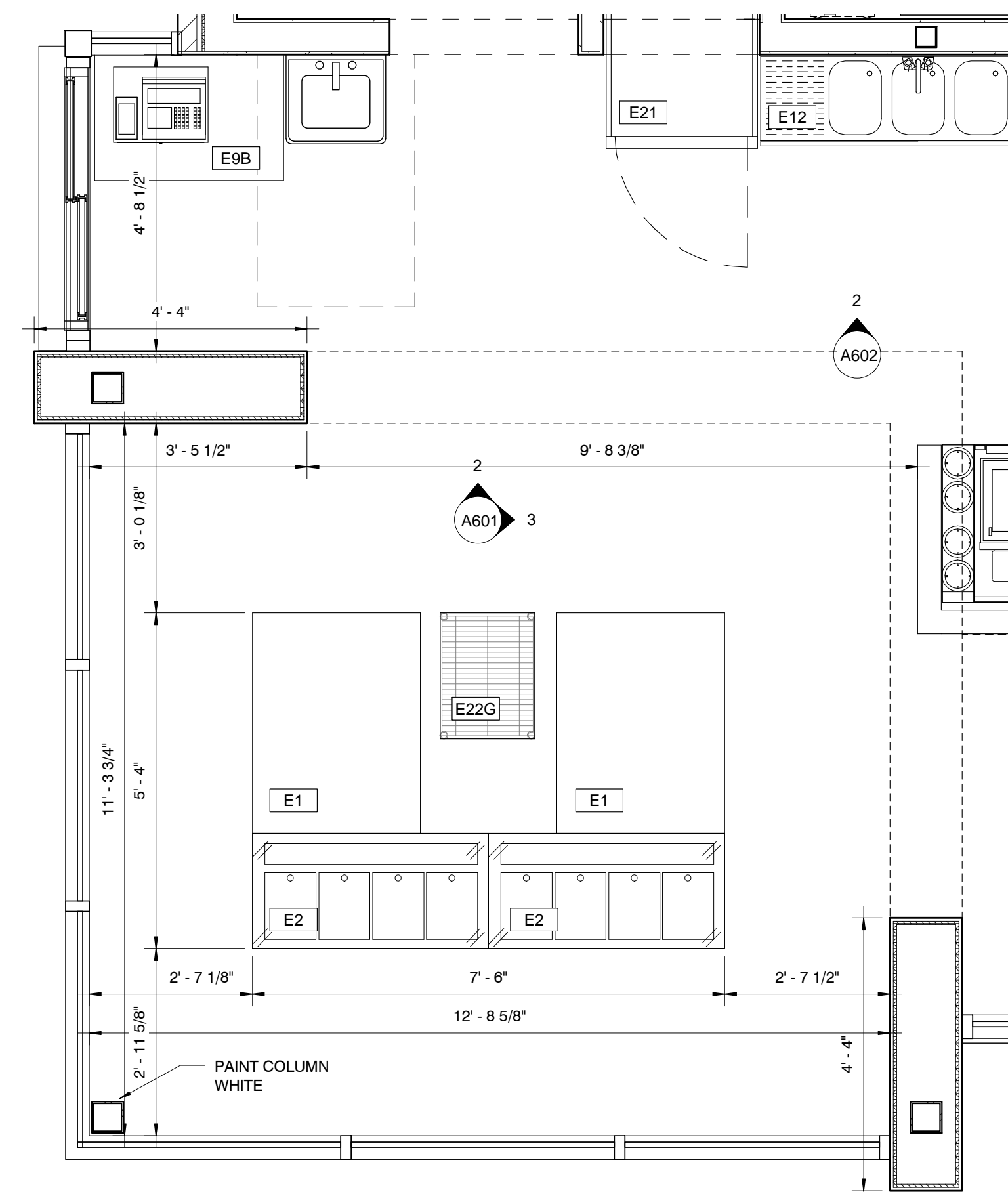
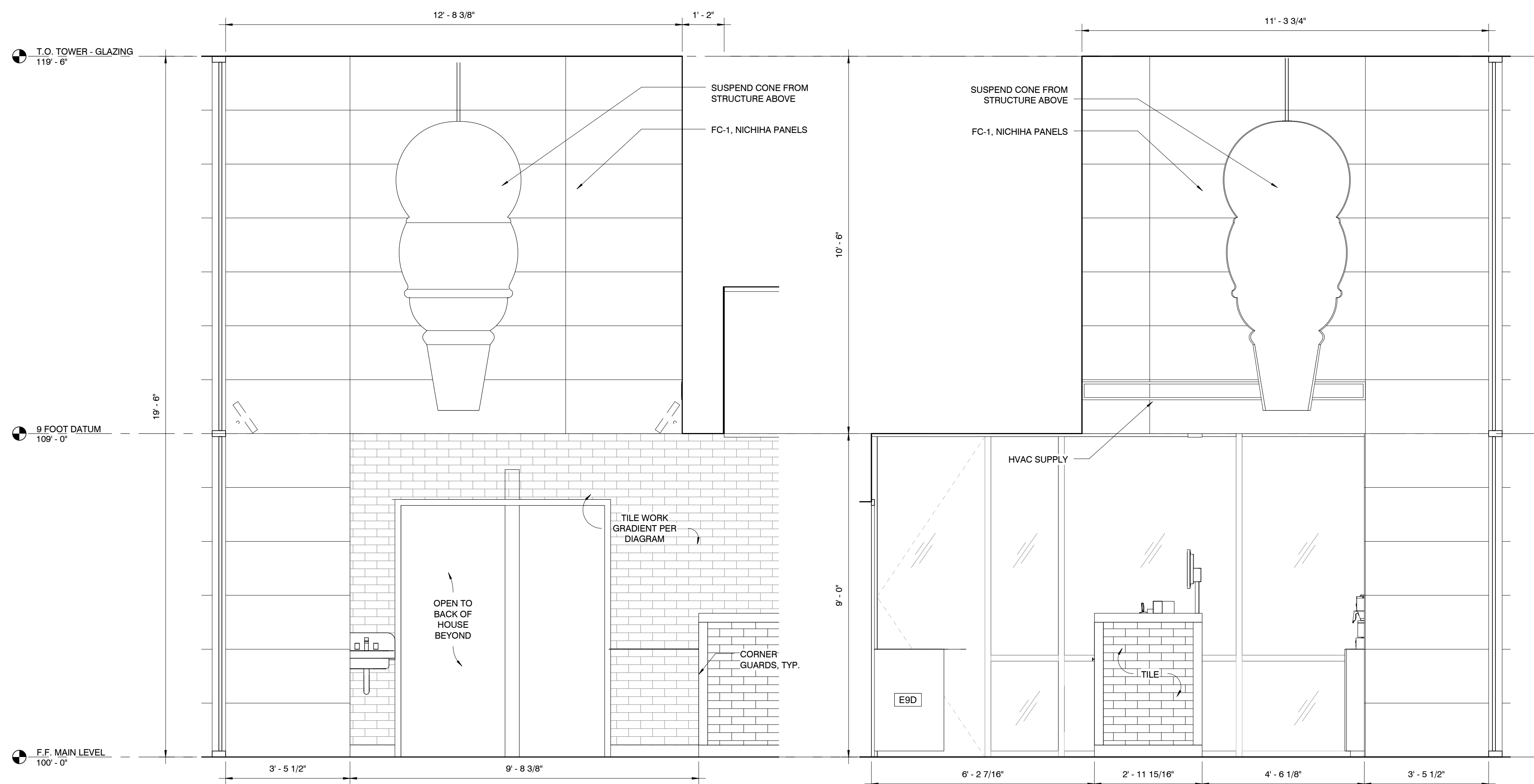
**ARCHITECT**  
**Huff Projects**  
 3612 Karnes Blvd., Kansas City, MO 64111  
 P: 816-531-0200 / F: 816-531-0201  
 www.huff.com

**CIVIL ENGINEER:**  
**Crafton Tull**  
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 Russellville, AR 72812  
 P: 479-498-8236  
 www.craftontull.com

**STRUCTURAL ENGINEER:**  
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Drawn By: Author Architect: AS License Number:  
 Project Number: 238



**SHEET**  
**INTERIOR ELEVATIONS**

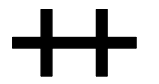
**A601**

2 TOWER INT. ELEV - 1  
 1/2" = 1'-0"

3 TOWER INT. ELEV - 2  
 1/2" = 1'-0"

1 TOWER ENLARGED PLAN  
 1/2" = 1'-0"





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

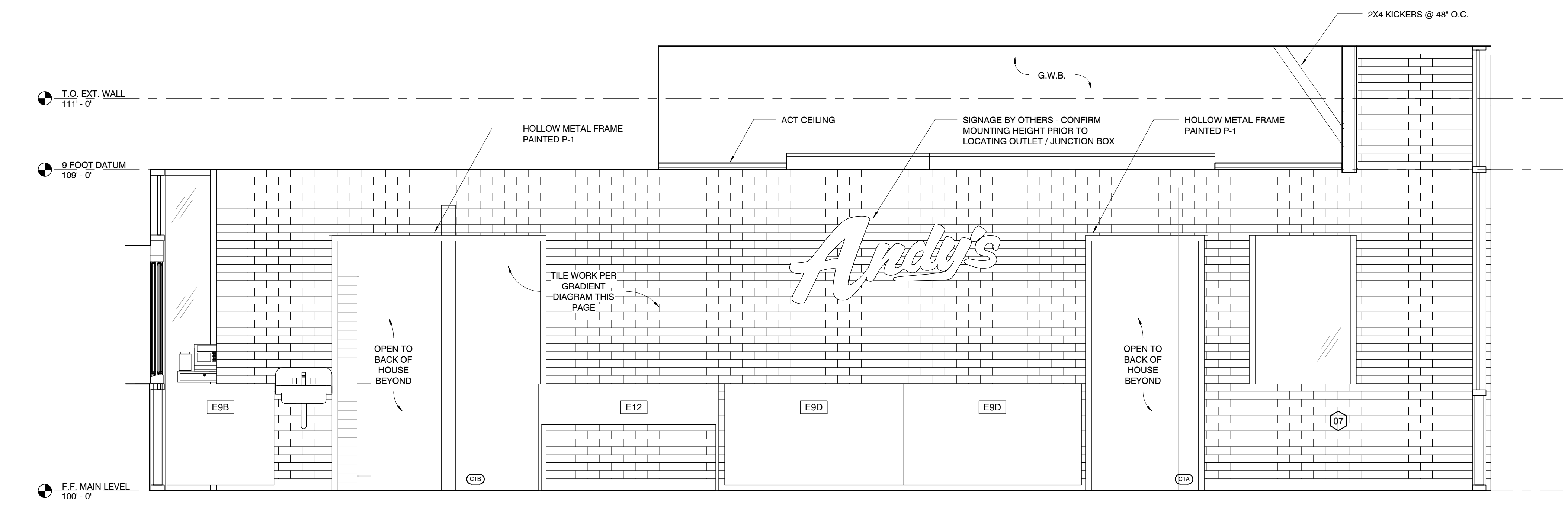
ARCHITECT  
**Hufft Projects**  
 3612 Karnes Blvd., Kansas City, MO 64111  
 P: 816-531-0200 / F: 816-531-0201  
 www.hufft.com

CIVIL ENGINEER:  
**Crafton Tull**  
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 Russellville, AR 72812  
 P: 479-498-8236  
 www.craftontull.com

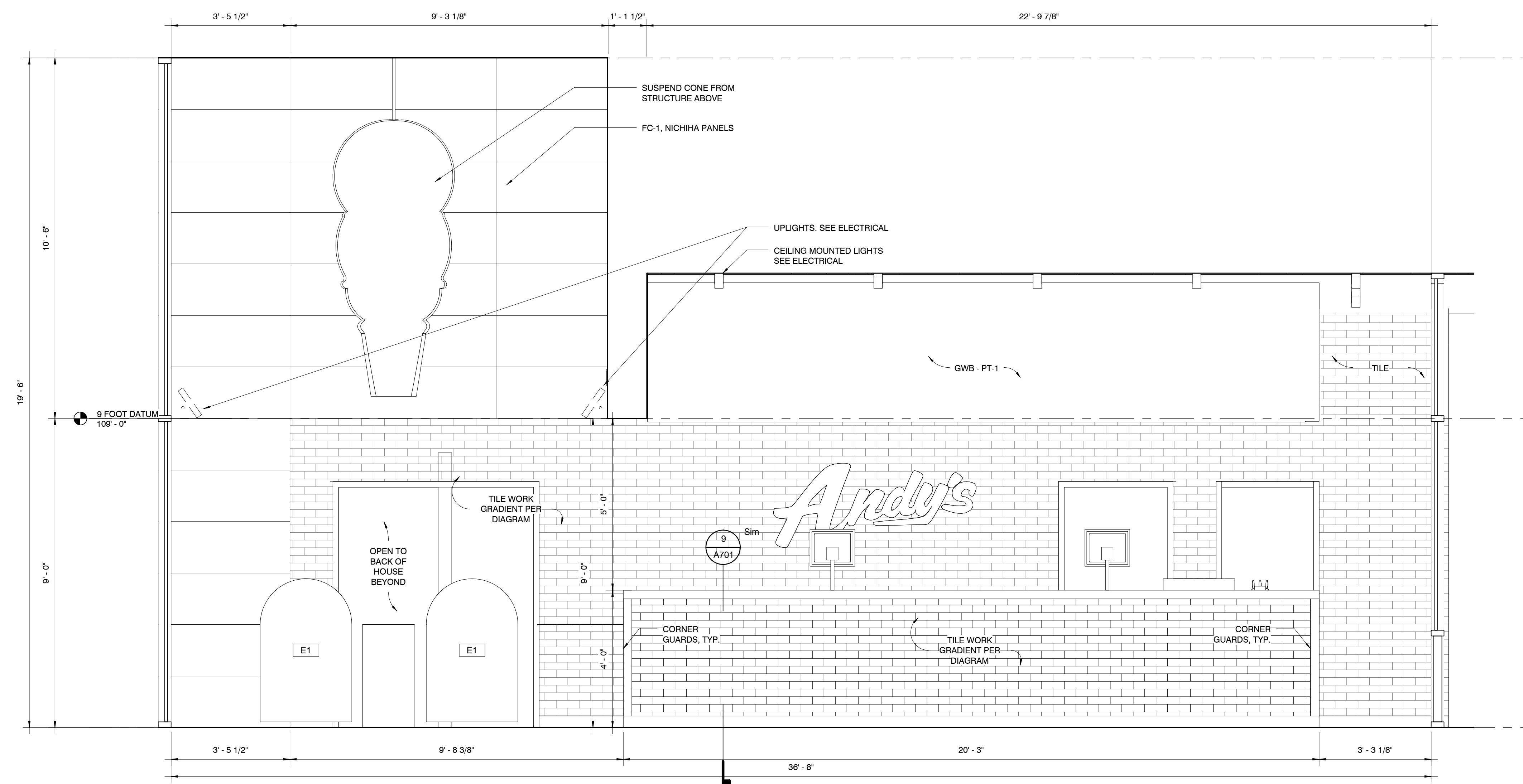
STRUCTURAL ENGINEER:  
**Mettemeyer Engineering, Inc.**  
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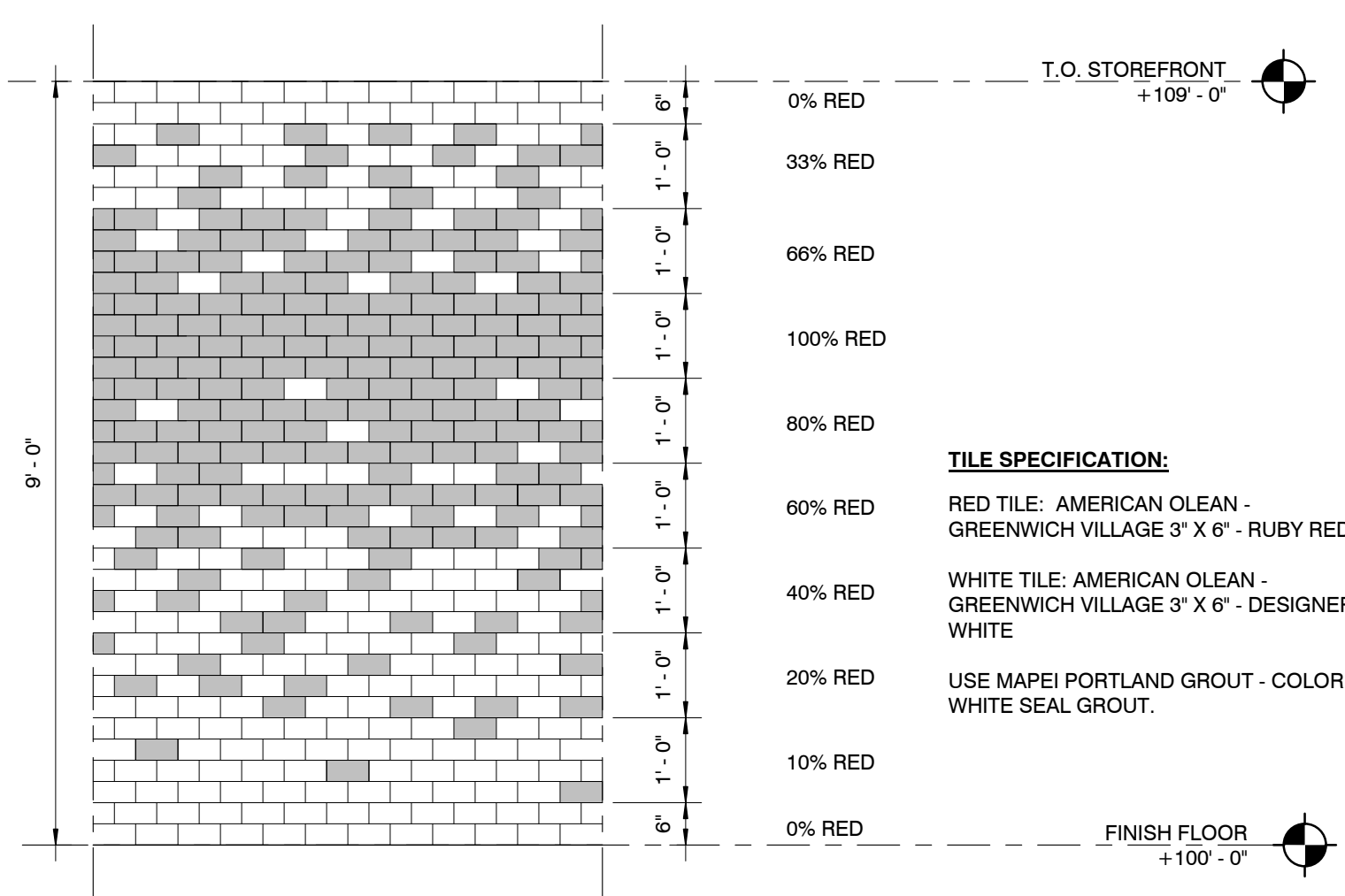
NOTES:



**2** INTERIOR ELEVATION - SOUTH  
 1/2" = 1'-0"



**1** INTERIOR ELEVATION - SOUTH ISLAND  
 1/2" = 1'-0"



**TILE SPECIFICATION:**  
 RED TILE: AMERICAN OLEAN - GREENWICH VILLAGE 3" X 6" - RUBY RED  
 WHITE TILE: AMERICAN OLEAN - GREENWICH VILLAGE 3" X 6" - DESIGNER WHITE  
 USE MAPEI PORTLAND GROUT - COLOR: WHITE SEAL GROUT.

TILE GRADIENT DIAGRAM  
 1/2" = 1'-0"

REVISION SCHEDULE		
NO.	DATE	ISSUE

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Drawn By: Author Architect: AS License Number:



SHEET  
 INTERIOR ELEVATIONS

**A602**





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

ARCHITECT  
**Huff Projects**  
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 3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

NOTES:

**PLUMBING FIXTURE SCHEDULE:**

TAG	QTY	TYPE	MFR	MODEL	COMMENTS
P1	1	TOILET	ZURN	Z5551	SPECIFY LEVER LOCATION ON SIDE OF TOILET CLOSEST TO ADJACENT SINK
P2	3	HAND SINK	EAGLE	HSA-10-FA	
P3	2	HOT AND COLD HOSE BIB			
P4	1	ELECTRIC HOT WATER HEATER	RHEEM	120 GA.	CONFIRM CLEARANCE REQUIREMENTS WITH MFG.
P6	1	MOP SINK			

**RESTROOM ACCESSORY SCHEDULE:**

NO.	QTY.	MFG.	MODEL	DESCRIPTION	COMMENTS
RA-1	1	BOBRICK	(3) B-5806.99x18, B-5806.99x36, B-5806.99x42	ADA GRAB BARS - STRAIGHT - PEENED	REFER TO ACCESSIBILITY DIAGRAMS, A001, FOR MOUNTING LOCATIONS
RA-2	1	BOBRICK	B-3942	PAPER TOWEL DISPENSER	MOUNT 60" TO TOP OF DISPENSER
RA-3	1	BOBRICK	B-293 2436	ANGLED MIRROR	BOTTOM OF MIRROR @ 40" MAX. A.F.F.
RA-4	1	BOBRICK	B-270	SURFACE MOUNTED SANITARY NAPKIN DISPENSER	TOP OF DISPENSER @ 30" A.F.F.
RA-5	1	BOBRICK	B-2888	SURFACE MOUNTED TOILET TISSUE DISPENSER	TOP OF DISPENSER @ 28" A.F.F.
RA-7	1	BOBRICK	B-2111	SURFACE MOUNTED SOAP DISPENSER	TOP OF DISPENSER @ 51" A.F.F.

**NOTE:**

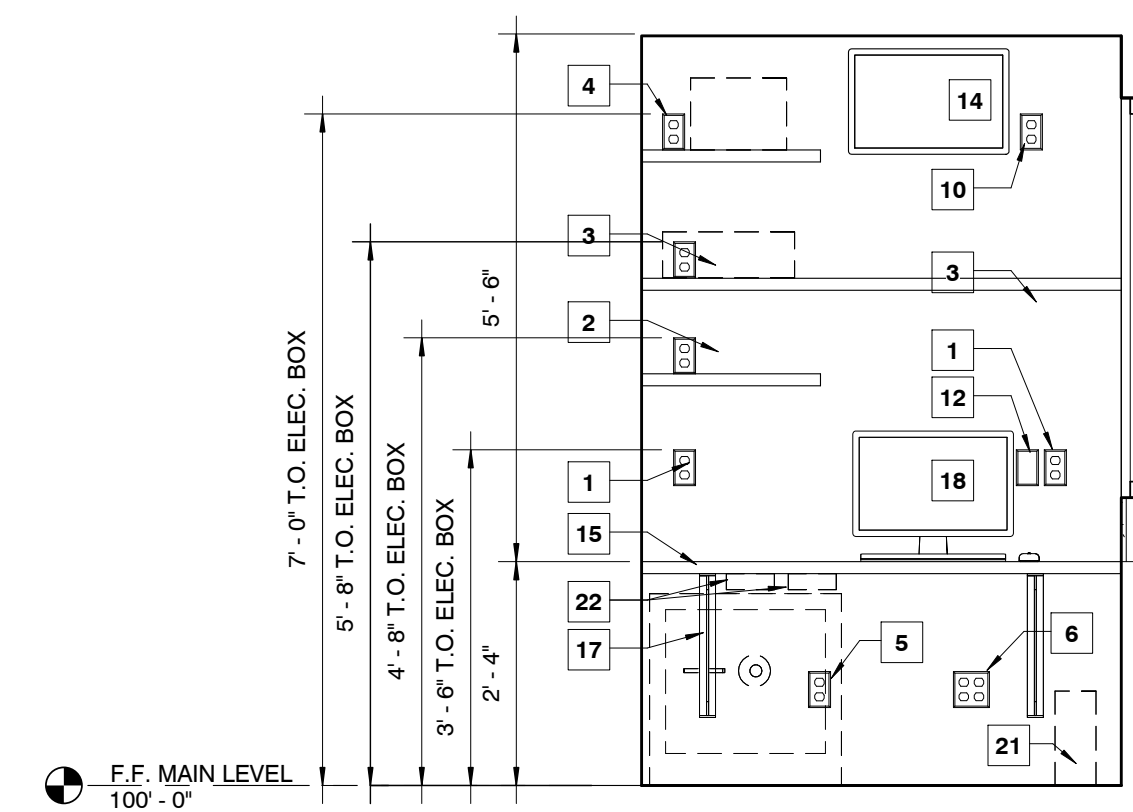
- REFER TO ACCESSIBILITY DIAGRAMS ON A001 FOR ALL STANDARD MOUNTING HEIGHTS AND LOCATIONS OF GRAB BARS, TISSUE DISPENSER, ETC.
- LOCATE ACCESSIBLE UNISEX RESTROOM SIGN - AMERAPRODUCTS [EP-4405], 60" AFF TO CENTER - LOCATE WITHIN 18" OF DOOR @ EXTERIOR.
- LOCATE EMPLOYEE HANDWASHING SIGNAGE - SMART SIGNS - JUST BATHROOM SIGNS [S-4492] BOTTOM RIGHT OF MIRROR
- TOILET TISSUE, NAPKIN, AND SOAP DISPENSERS ARE OWNDER PROVIDED, CONTRACTOR INSTALLED.

**KEYNOTES:**

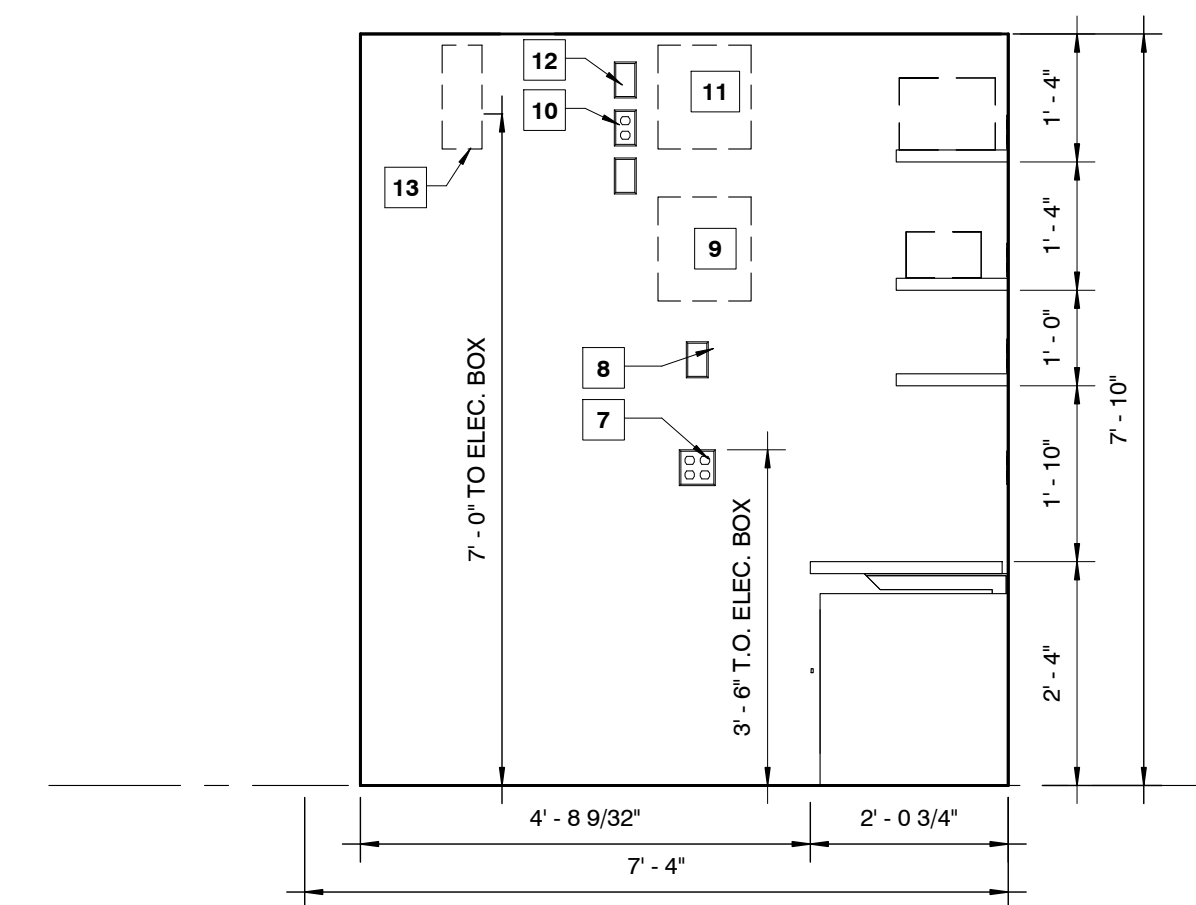
- IG RECEPTACLE FOR COMPUTER SYSTEM
- IG RECEPTACLE FOR FAX AND DATA
- IG RECEPTACLE FOR PRINTER
- IG RECEPTACLE FOR SOUND SYSTEM
- RECEPTACLE FOR SAFE
- RECEPTACLE FOR GENERAL POWER
- IG RECEPTACLE @ 42" AFF
- PHONE JACK @ 54" AFF
- BUMP BAR EQUIPMENT
- IG RECEPTACLE @ 84" AFF
- PHONE SYSTEM
- DATA
- DEMARICATION BLOCK
- DRIVE-THRU MONITOR
- 24" P-LAM COUNTER
- MELAMINE SHELVES ON BRACKETS @ 16" O.C.
- COUNTER SUPPORT BRACKETS @ 48" O.C.
- MONITOR
- COUNTER GROMMET
- DUPLEX OUTLET AND DATA
- CPU
- MODEM AND ROUTER
- 14" MELAMINE SHELF ON BRACKETS @ 16" O.C.
- DUPLEX OUTLET
- 6" CUP WELL INTEGRATED INTO CASE
- 5" BACKSPLASH
- STAINLESS STEEL WALL CAP
- MONITOR CONTROL BOX MOUNTED TO INSIDE FACE OF WALL
- DISPLAY MONITOR
- DUPLEX OUTLET - 2 CIRCUITS
- GREASE INTERCEPTOR - SEE PLUMBING PLANS
- TRANSITION FLOOR FINISHES @ C.J. TYP.

**NOTES:**

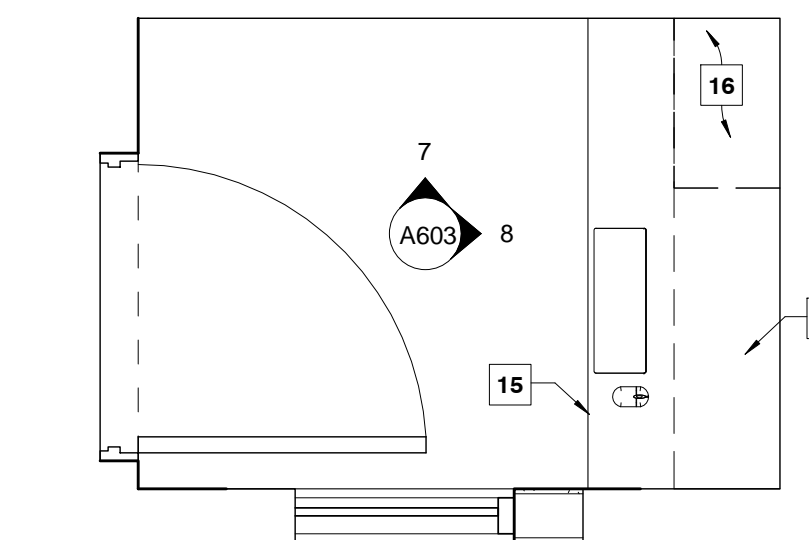
- COORDINATE SHELVING HEIGHTS WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN OF ELECTRICAL EQUIPMENT.
- PROVIDE SOLID BLOCKING AT ALL SHELVES.



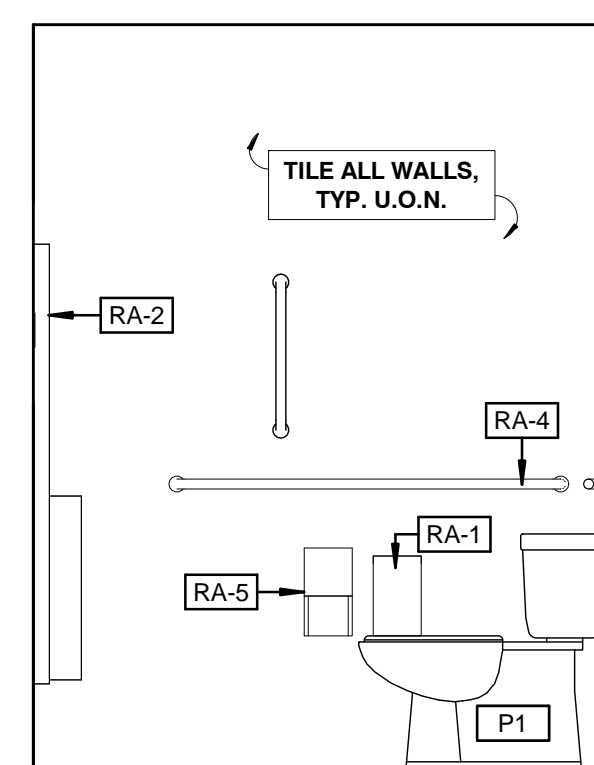
8 INT. ELEV. 1 - OFFICE  
 1/2" = 1'-0"



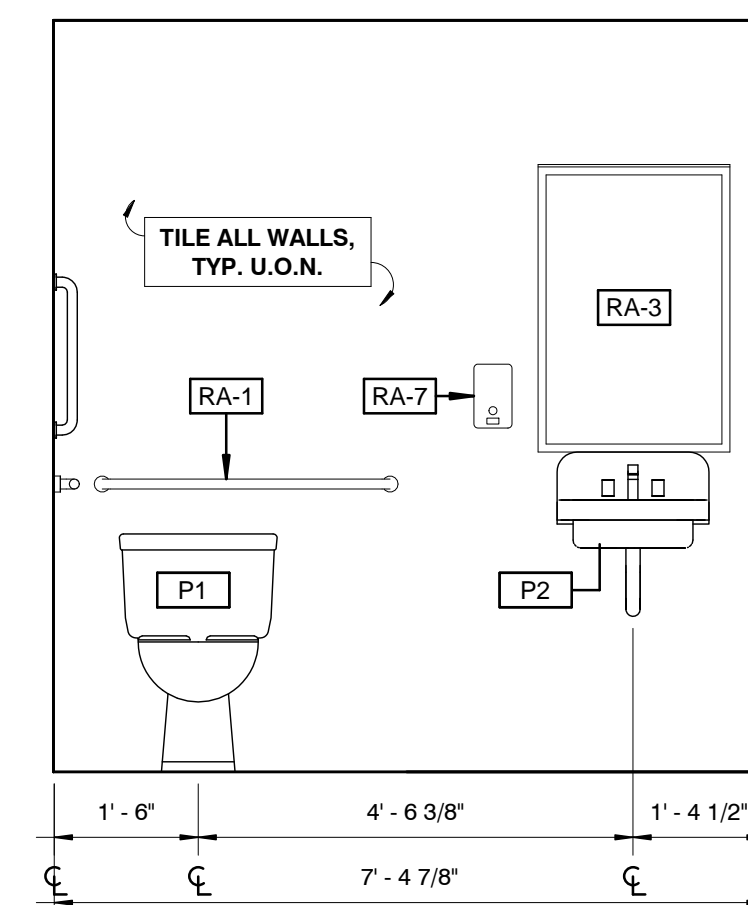
7 INT. ELEV. 4 - OFFICE  
 1/2" = 1'-0"



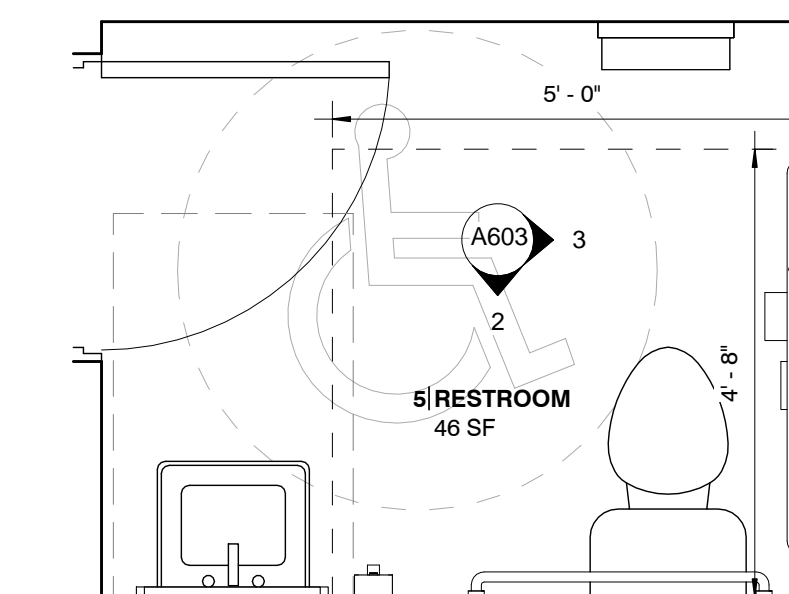
6 OFFICE - ENLARGED PLAN  
 1/2" = 1'-0"



3 INT. ELEVATION - RESTROOM 2  
 1/2" = 1'-0"



2 INT. ELEV. 2 - RESTROOM  
 1/2" = 1'-0"



1 RESTROOM - ENLARGED PLAN  
 1/2" = 1'-0"

**REVISION SCHEDULE**

NO.	DATE	ISSUE

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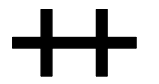
Drawn By: ADT Architect: AS License Number:



SHEET  
 INTERIOR ELEVATIONS

**A603**





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

ARCHITECT  
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 3612 Karnes Blvd., Kansas City, MO 64111  
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M.E.P. ENGINEER:

**M.F.E.C., Inc.**

3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

NOTES:

**PARTITION LEGEND:**

**NEW INTERIOR PARTITION**  
 2 x 6 WOOD STUDS  
 A-1: 5/8" GWB BOTH SIDES  
 A-2: 5/8" GWB ONE SIDE

**NEW INTERIOR PARTITION**  
 2 x 4 WOOD STUDS, 5/8" GWB  
 B-1: 5/8" GWB BOTH SIDES  
 B-2: 5/8" GWB ONE SIDE

- DIMS. ARE FROM OUTSIDE FACE OF EXT. WALLS TO FIN. FACE OF NEW PARTITIONS, U.O.N.
- REFER TO A701 FOR NOTES ON WALL TYPE / DETAILING.
- ALL FOOD AND NON-FOOD SURFACES ARE TO BE SMOOTH, DURABLE, NON-ABSORBENT, LIGHT IN COLOR AND EASILY CLEANABLE PER LOCAL CITY HEALTH DEPARTMENT REGULATIONS.
- REFER TO INT. ELEV. FOR CONDITIONS WITH TILE AS FIN. WALL SURFACE - PROVIDE 5/8" CONCRETE BACKER BOARD IN LIEU OF G.W.B.
- BATHROOM WALLS SHOULD BE INSUL. WITH SOUND BATT INSUL. TO ACHIEVE AN STC RATING OF 50
- ALL WALLS CONTAINED WITHIN OR DIRECTLY FACING ROOM 2 - BACK OF HOUSE TO UTILIZE FRP 1 IN LIEU OF 5/8" G.W.B.

REVISION SCHEDULE		
NO.	DATE	ISSUE

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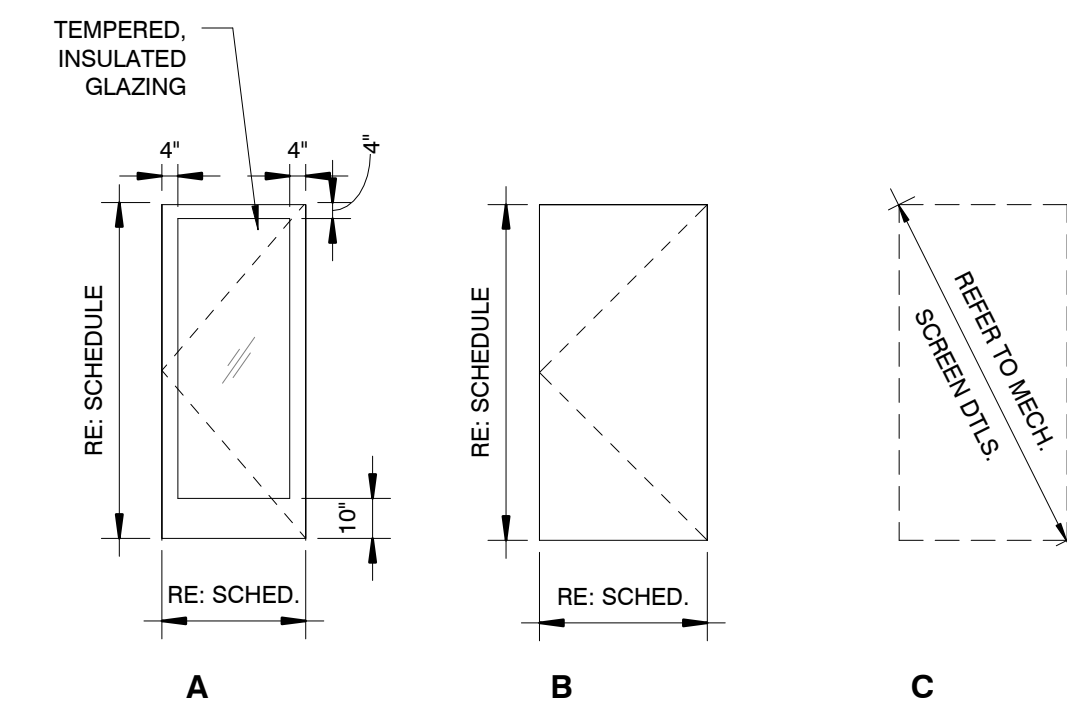
Drawn By: ADT Architect: AS License Number:



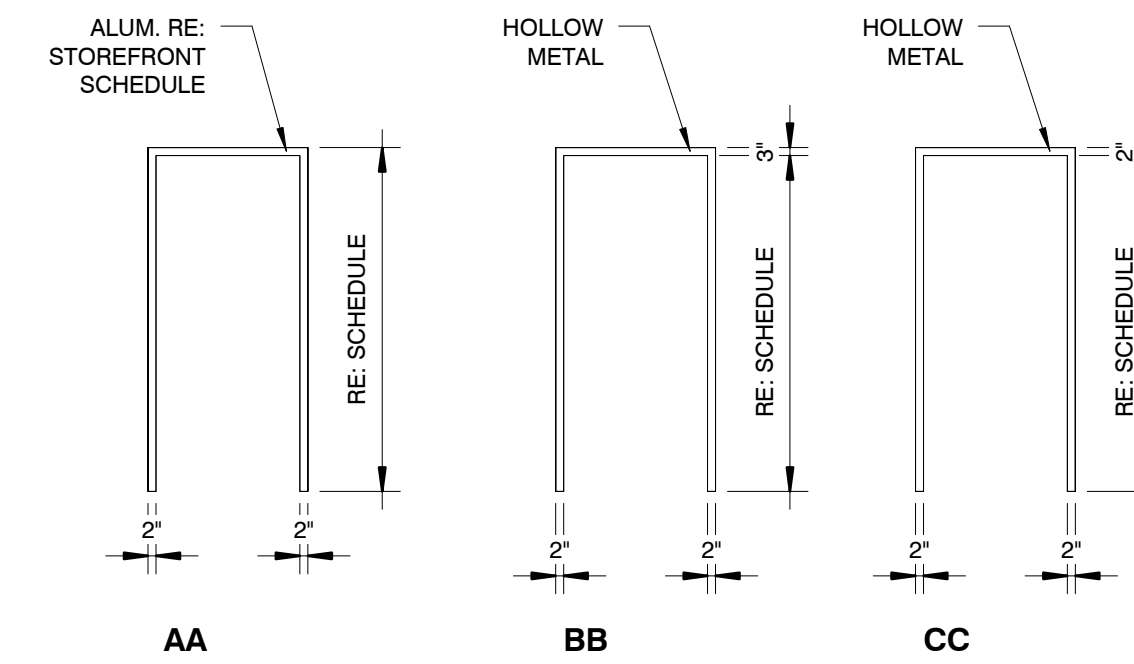
SHEET  
**SCHEDULES AND DETAILS**

**A701**

**DOOR TYPE LEGEND:**



**FRAME TYPE LEGEND:**

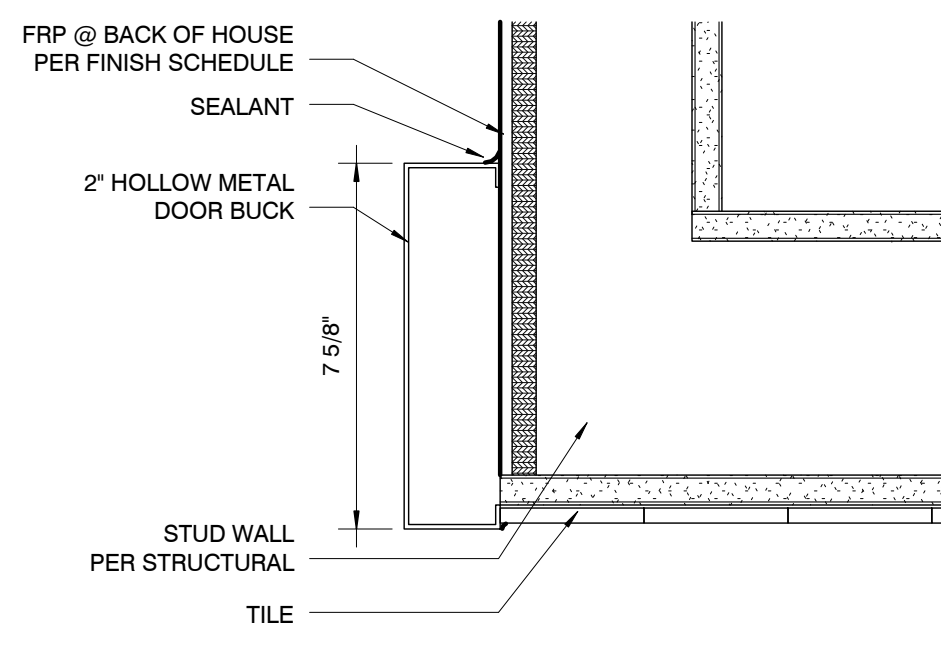


**DOOR SCHEDULE:**

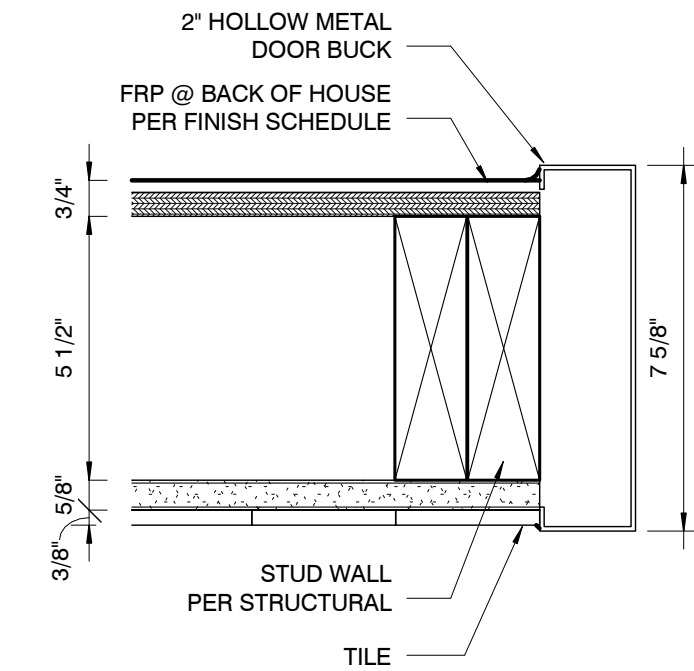
NO.	DOOR TYPE	DOOR SIZE			DETAILS			DESCRIPTION	NOTES			HDWR SET
		WIDTH	HEIGHT	HEAD	JAMB	SILL	DOOR		FRAME	REMARKS		
02	A	36"	84"				ALUMINUM STOREFRONT DOOR	-	-	FRAME TYPE: AA	1	
03	B	36"	84"				HOLLOW METAL DOOR	PT. WHITE	PT. WHITE	FRAME TYPE: CC	3	
04	B	36"	84"				HOLLOW METAL DOOR	PT. WHITE	PT. WHITE	FRAME TYPE: AA	4	
05A	-	36"	80"	-	-	-	WALK IN COOLER DOOR BY OTHERS	-	-	-	-	
05B	-	36"	80"	-	-	-	WALK IN COOLER DOOR BY OTHERS	-	-	-	-	
06A	B	36"	84"				EXTERIOR HOLLOW METAL DOOR	PT. TO MATCH NICHIA	PT. TO MATCH NICHIA	FRAME TYPE: BB	2	
07	A	36"	107"				ALUMINUM STOREFRONT DOOR	-	-	FRAME TYPE: AA	1	
C1A	CC	36"	84"				CASED OPENING - NO DOOR	-	PT. RED	FRAME TYPE: BB, NO DOOR	-	
C1B	E	68"	84"				CASED OPENING - NO DOOR	-	PT. RED	FRAME TYPE: BB, NO DOOR	-	

**DOOR HARDWARE SETS:**

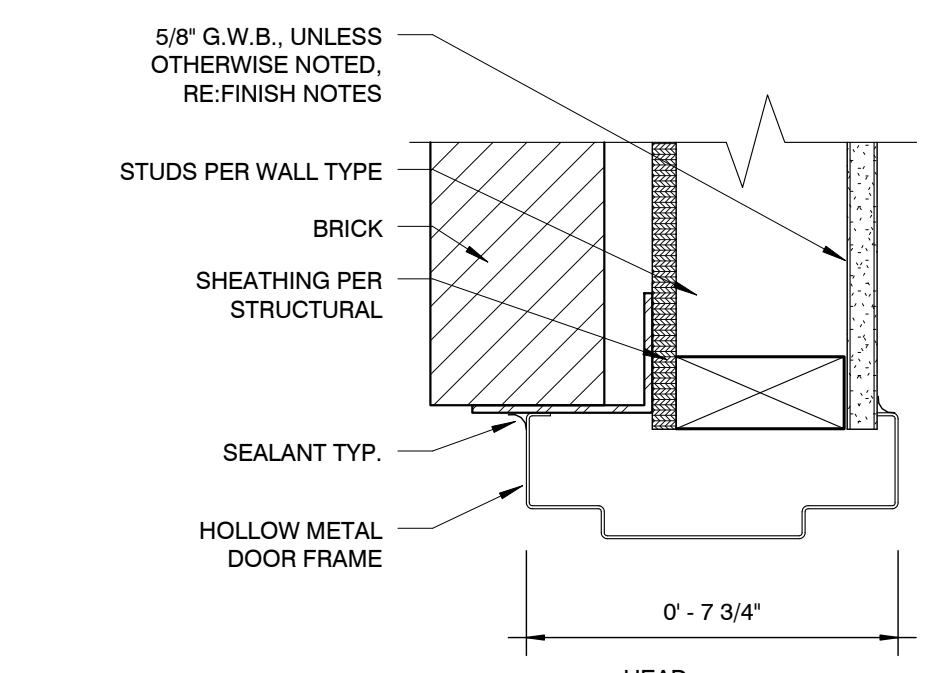
- DOOR HARDWARE PROVIDED BY STOREFRONT / CURTAIN WALL VENDOR - PROVIDE PANIC HARDWARE AT ALL EXIT DOORS, TYP
- (3) HINGES, ENTRY LOCKSET (FUNCTION NO: 53, ANSI NO: F109) - LEVER HANDLE - CYLINDER LOCK, DOOR STOP, DRIP CAP
- (3) HINGES, CLASSROOM LOCKSET (FUNCTION NO: 70, ANSI NO: F84), LEVER HANDLE - CYLINDER LOCK
- (3) HINGES, PRIVACY LOCKSET (FUNCTION NO: 40, ANSI NO: F768) - LEVER HANDLE - CYLINDER LOCK, LCN 4041 CLOSER
- (4) GALVANIZED GATE HINGES - LEVER HANDLE - PANIC BAR



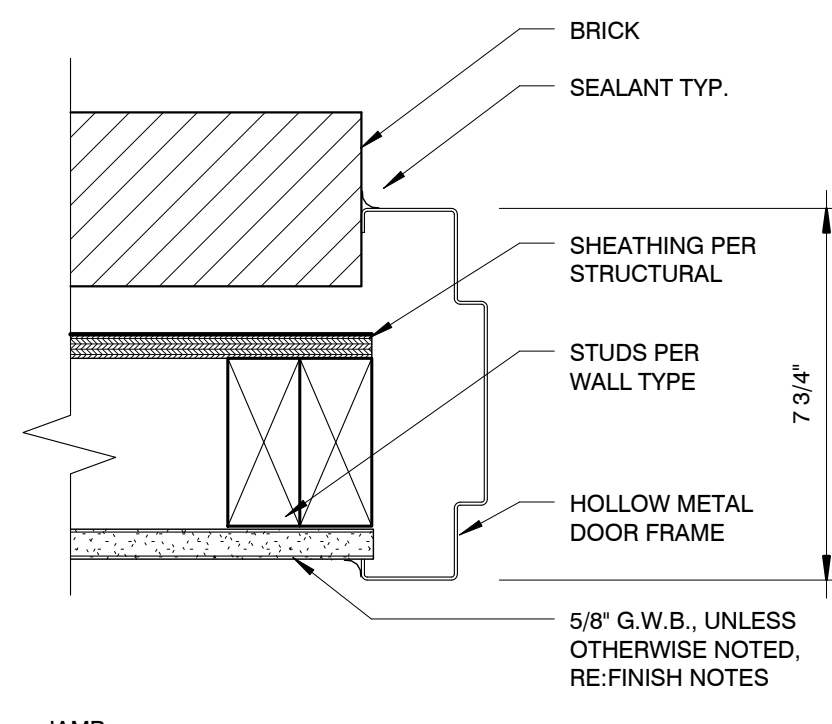
11 DETAIL @ THRESHOLD CORNER  
 3' = 1'-0"



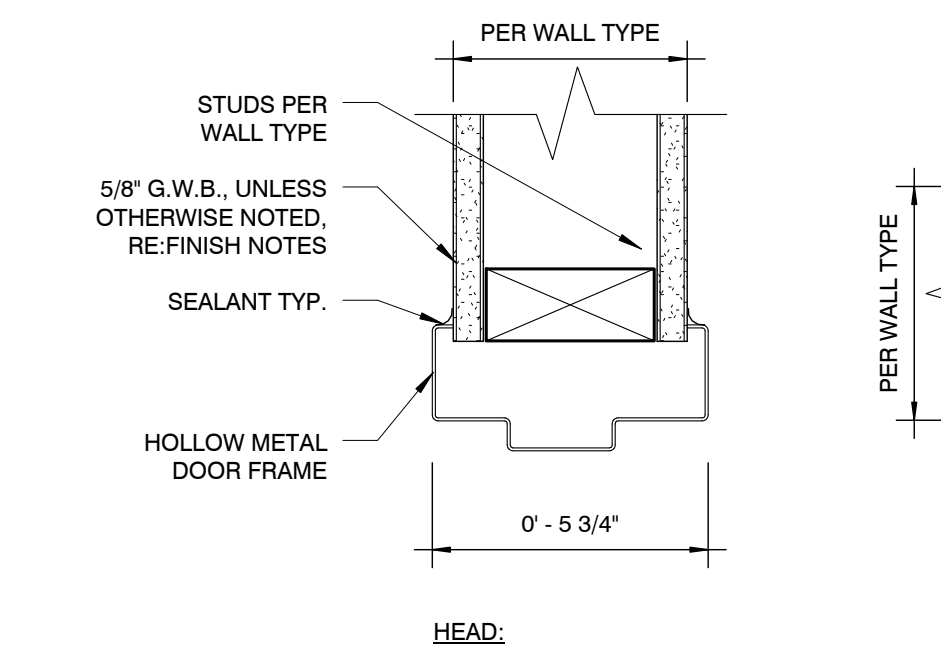
10 DETAIL @ THRESHOLD  
 3' = 1'-0"



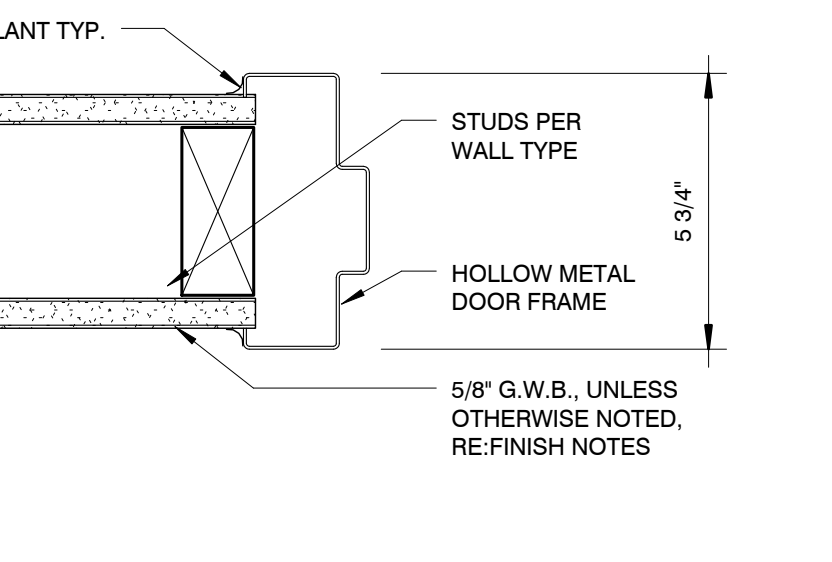
13 HEAD / JAMB / SILL @ EXT. H.M. DOOR  
 3' = 1'-0"



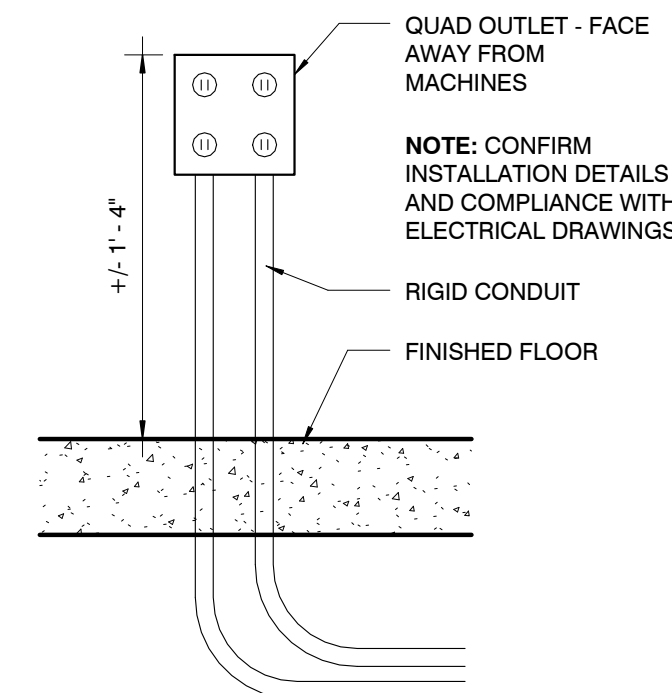
7 KITCHEN STUB-UP DTL. @ CUSTARD MACHINES  
 1 1/2' = 1'-0"



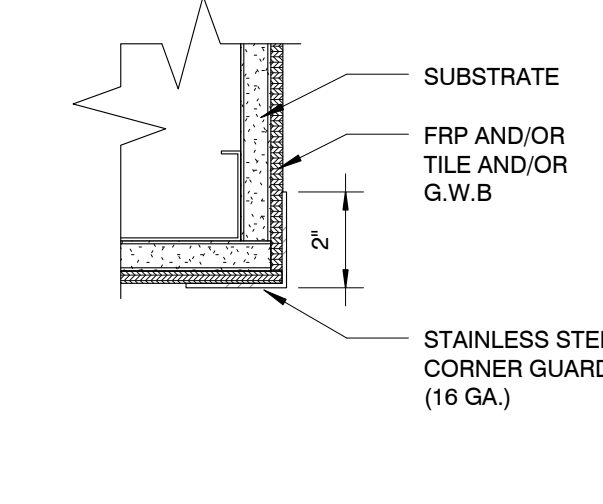
8 HEAD / JAMB / SILL @ H.M. DOOR  
 3' = 1'-0"



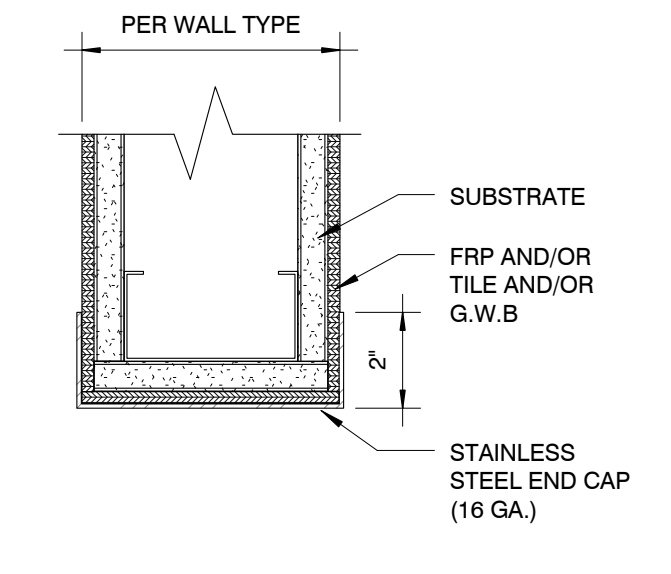
12 HEAD / JAMB / SILL @ ALUMINUM DOOR  
 3' = 1'-0"



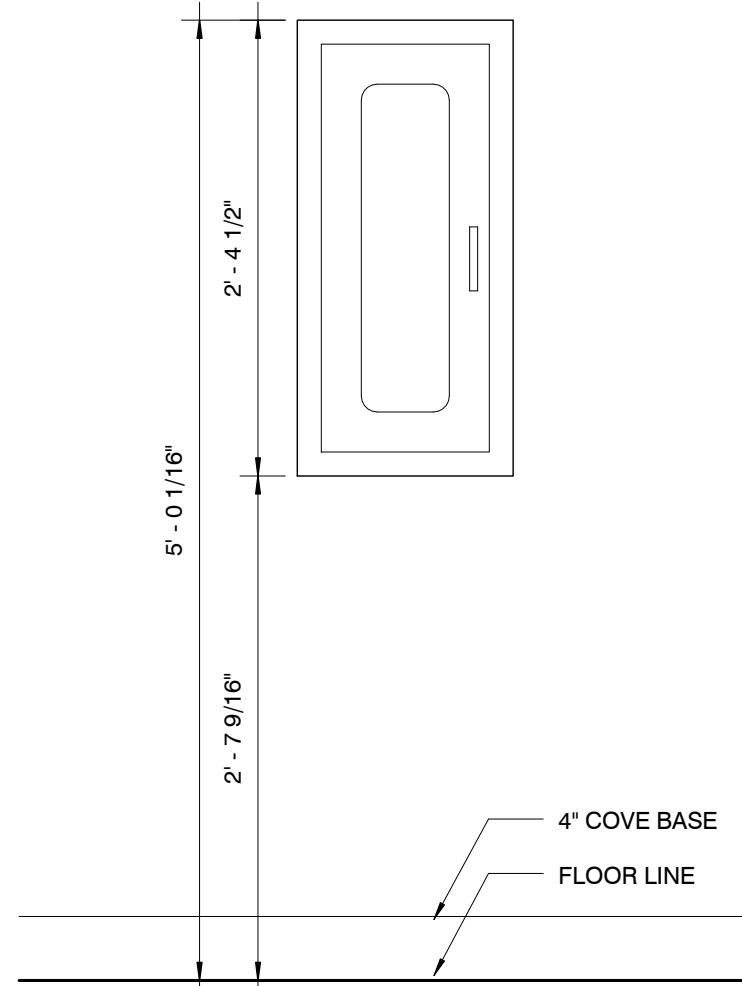
2 DETAIL @ INTERIOR PARTITION BASE  
 3' = 1'-0"



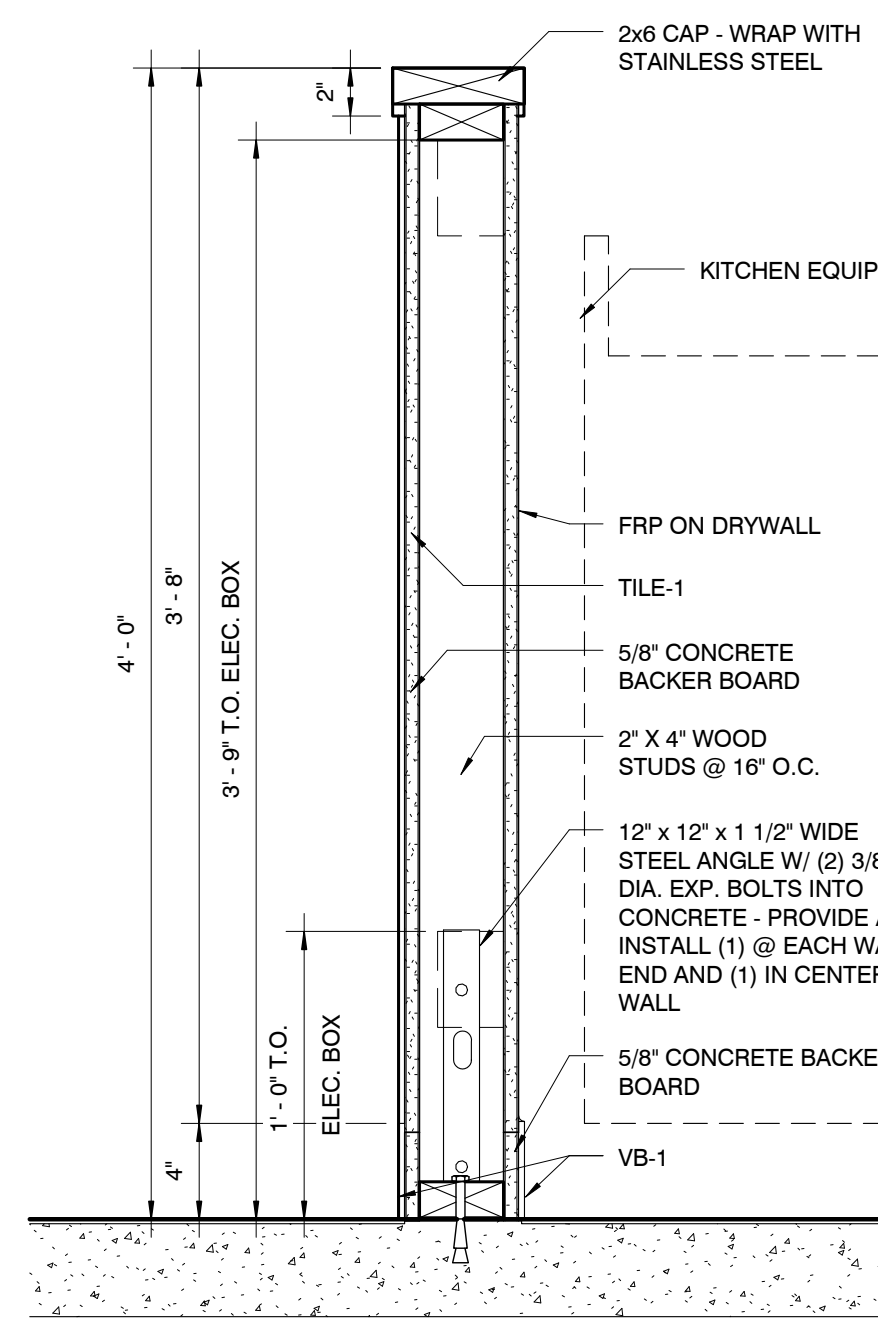
6 DETAIL @ STAINLESS STEEL CNR. GD.  
 3' = 1'-0"



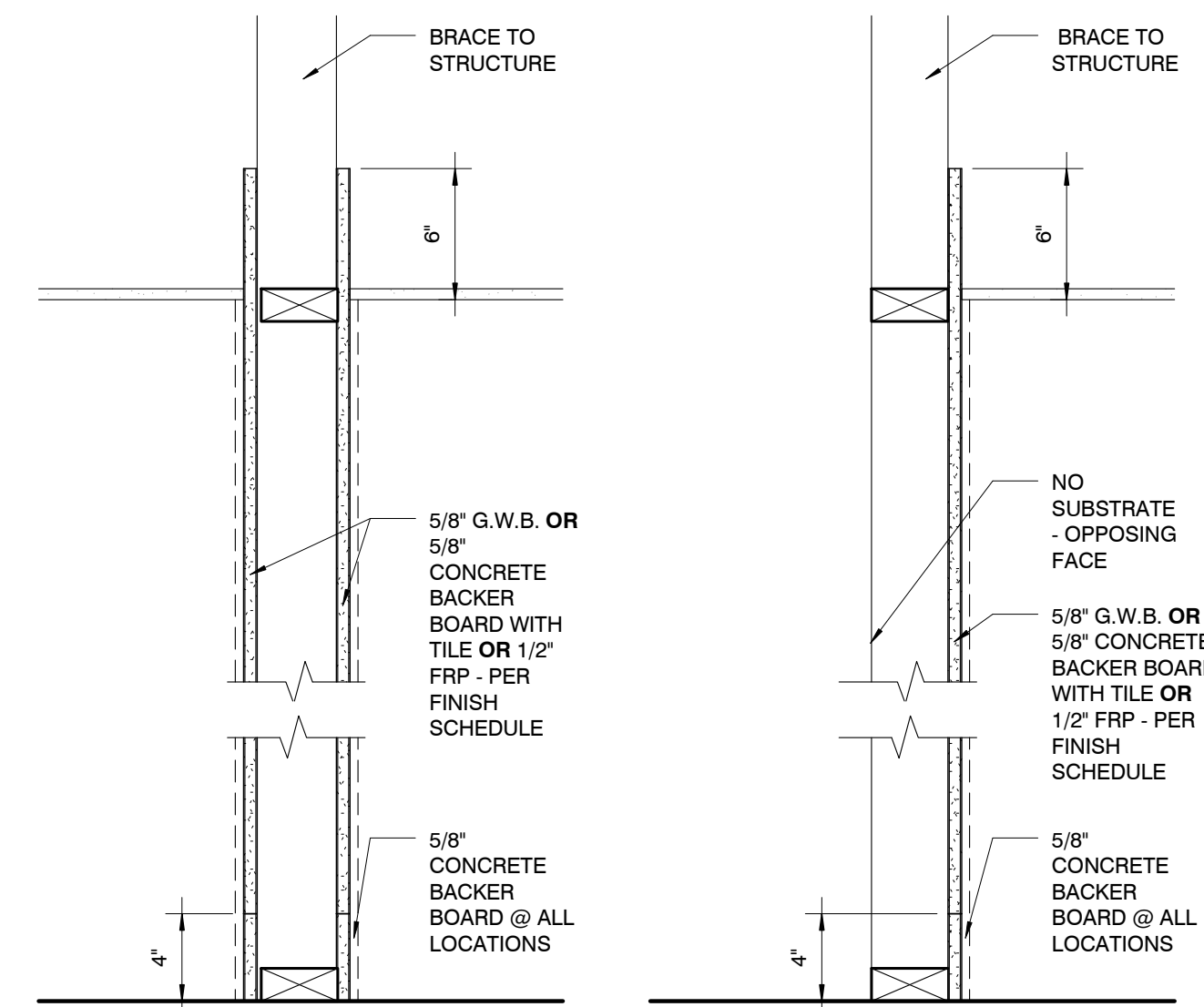
5 DETAIL @ STAINLESS STEEL END CAP  
 3' = 1'-0"



4 FIRE EXTINGUISHER CABINET DETAIL  
 1' = 1'-0"



9 SECTION @ HALF WALL  
 1 1/2' = 1'-0"



1 PARTITION TYPES  
 1 1/2' = 1'-0"





PROJECT INFORMATION  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

ISSUE  
**BID / PERMIT SET**

**MARCH 9, 2015**

ARCHITECT  
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 www.huff.com

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**Crafton Tull**

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 Russellville, AR 72812  
 P: 479-498-8236  
 www.craftontull.com

STRUCTURAL ENGINEER:

**Mettemeyer Engineering, Inc.**

2101 W. Chesterfield Blvd., B-105,  
 Springfield, MO 65807  
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M.E.P. ENGINEER:

**M.F.E.C., Inc.**

3333 E. Battlefield Road, Suite 1000  
 Springfield, MO 65804  
 P: 913-322-1400 / www.mfec.com

NOTES:

**GLAZING LEGEND AND NOTES:**

(S) = SPANDREL PANEL

(T) = TEMPERED SAFETY GLAZING

- PROVIDE TEMPERED SAFETY GLAZING IN ACCORDANCE WITH 2012 IBC 2406.3
- ALL EXTERIOR GLAZING TO BE 1" INSULATED GLAZING (DOUBLE PANE, SOLARBAN 70XL CLEAR OVER CLEAR), IN THERMALLY-IMPROVED ALUMINUM STOREFRONT FRAMING.
- ALL INTERIOR GLAZING TO BE SINGLE PANE IN ALUMINUM STOREFRONT FRAMING UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS AND PRODUCT SAMPLES OF FINISHES FOR EACH PRODUCT TO BE INSTALLED FOR ARCHITECT TO REVIEW AND APPROVE.
- CONTRACTOR TO VERIFY CONSTRUCTION CONDITIONS FOR ALL FRAMED OPENINGS AND DIMENSIONS PRIOR TO PURCHASING OR INSTALLING GLAZING OR FRAMES.

**REVISION SCHEDULE**

NO.	DATE	ISSUE

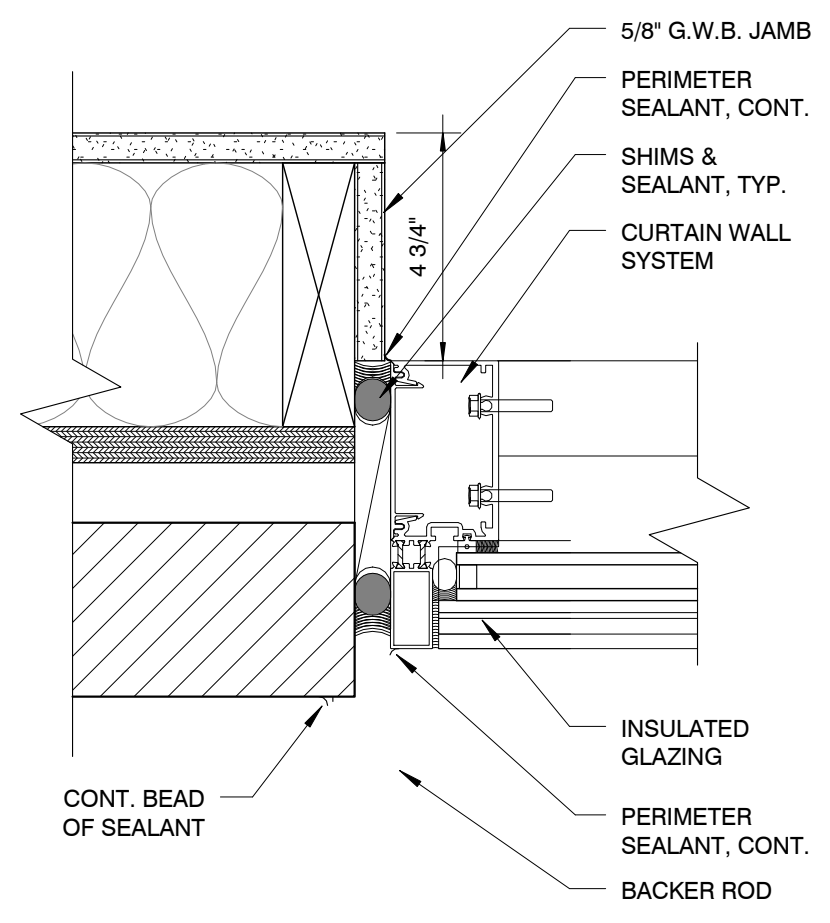
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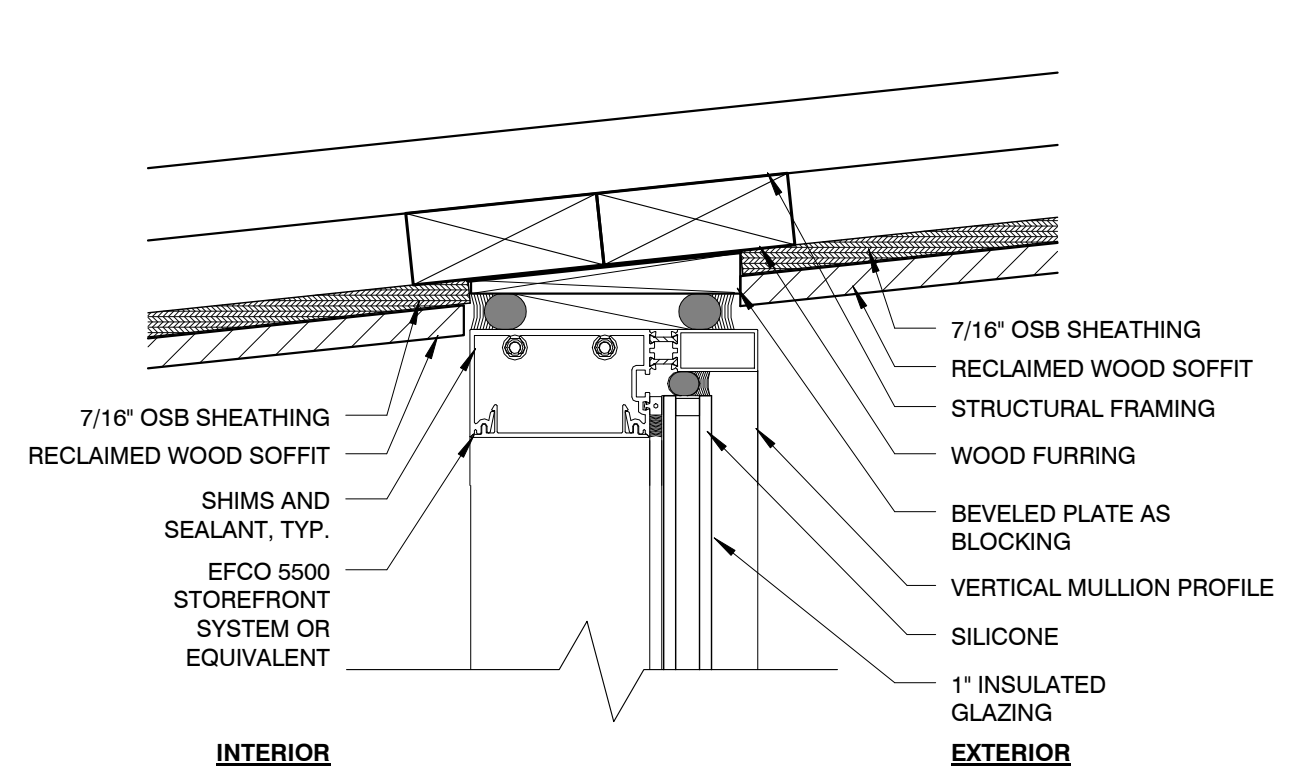


SHEET  
**STOREFRONT DETAILS AND ELEVATIONS**

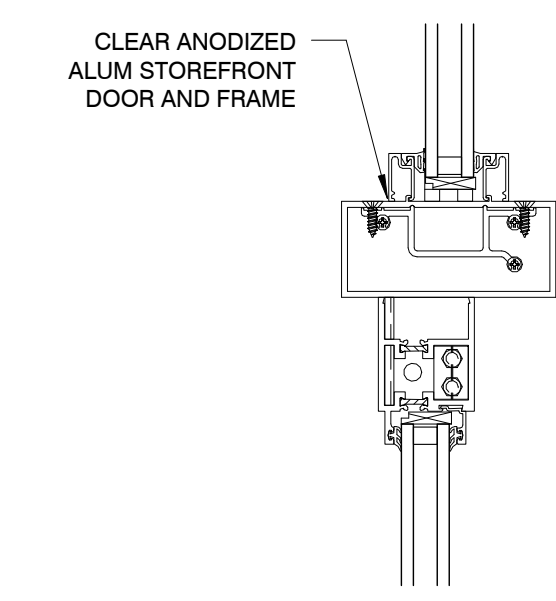
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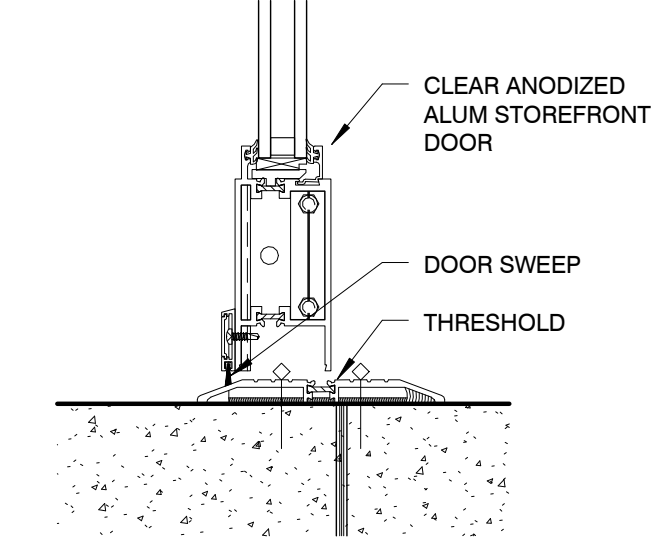
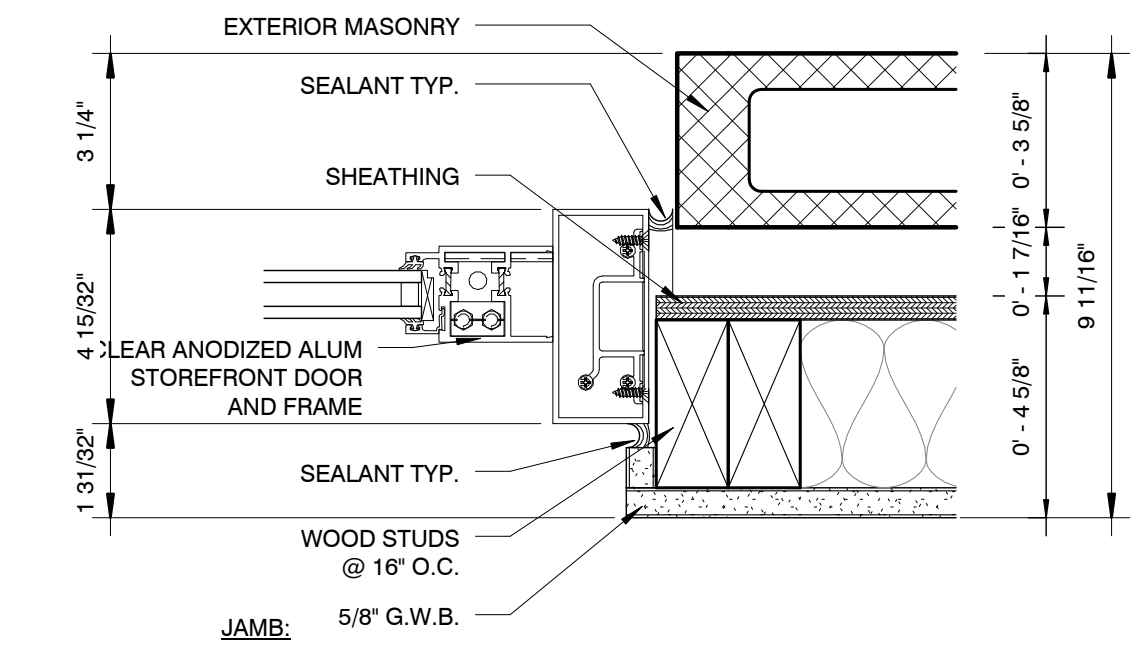
6 CURTAIN WALL JAMB  
 3" = 1'-0"



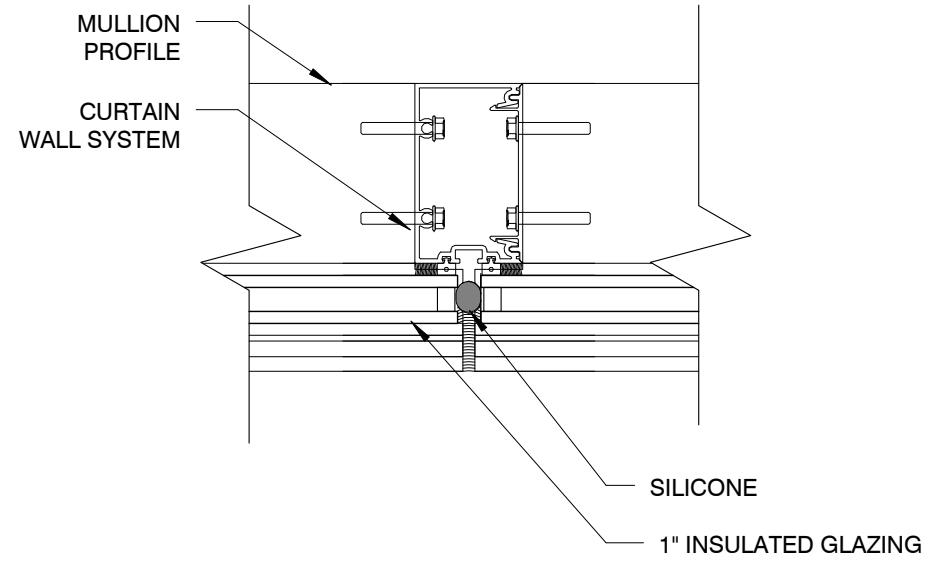
5 CURTAIN WALL HEAD  
 3" = 1'-0"



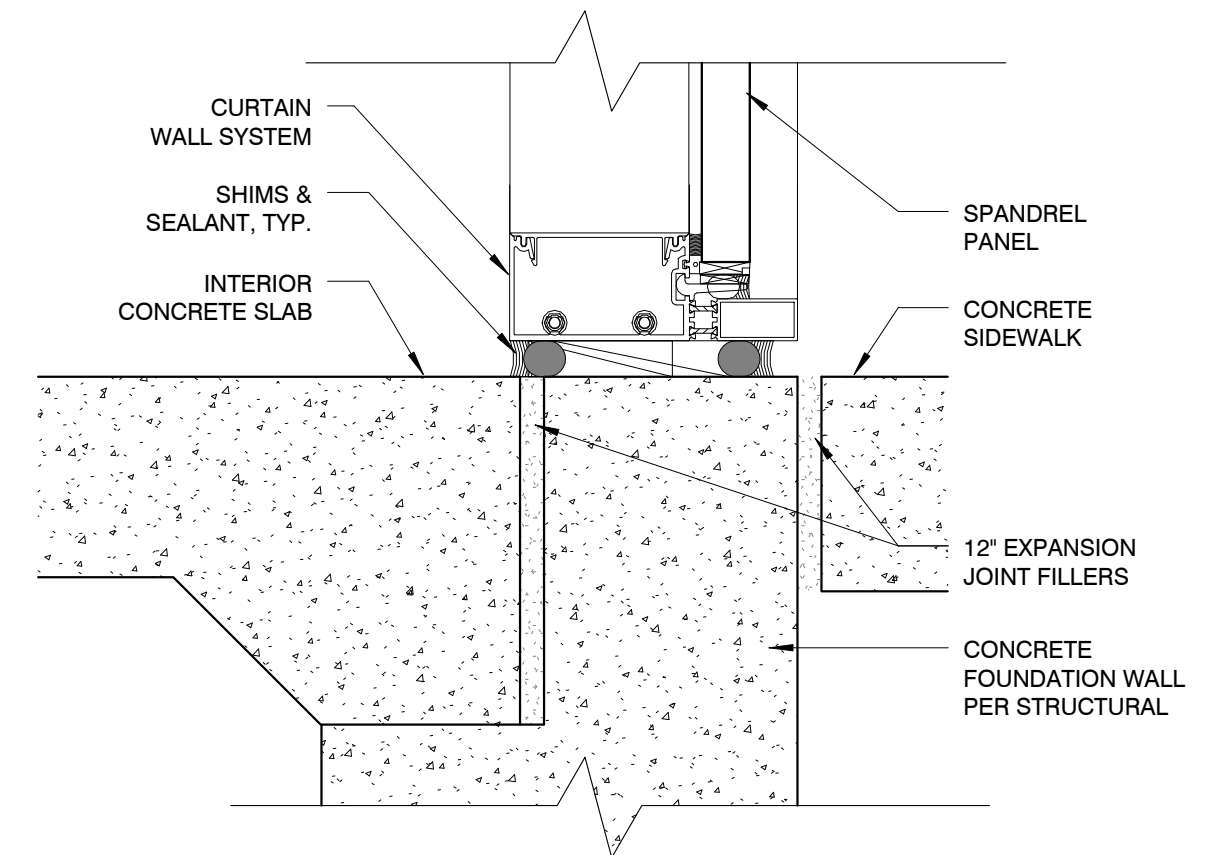
3 ALUMINUM DOOR HEAD/ JAMB/ SILL - ALUM  
 3" = 1'-0"



SILL:



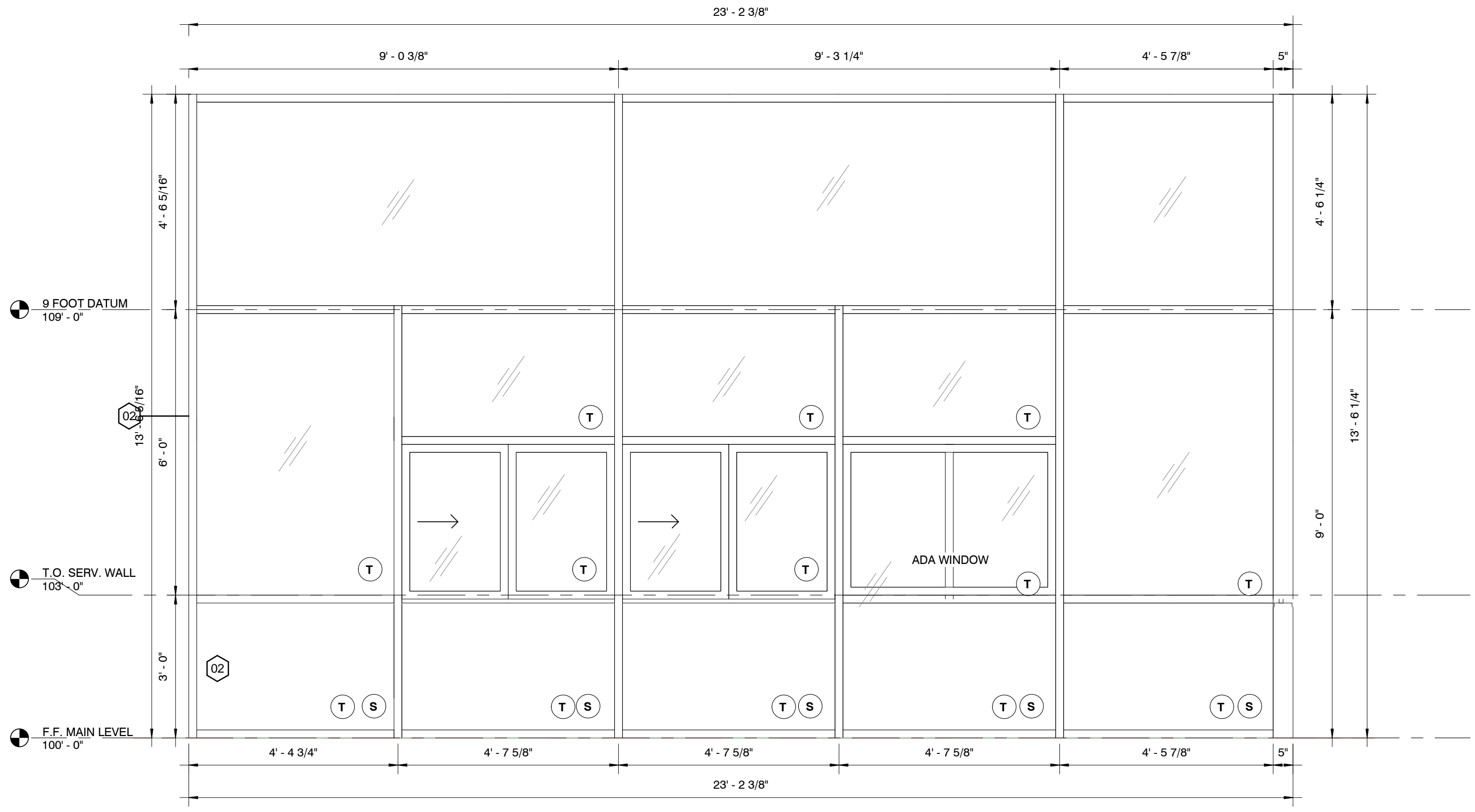
7 CURTAIN WALL - VERT. INTERMEDIATE V1  
 3" = 1'-0"



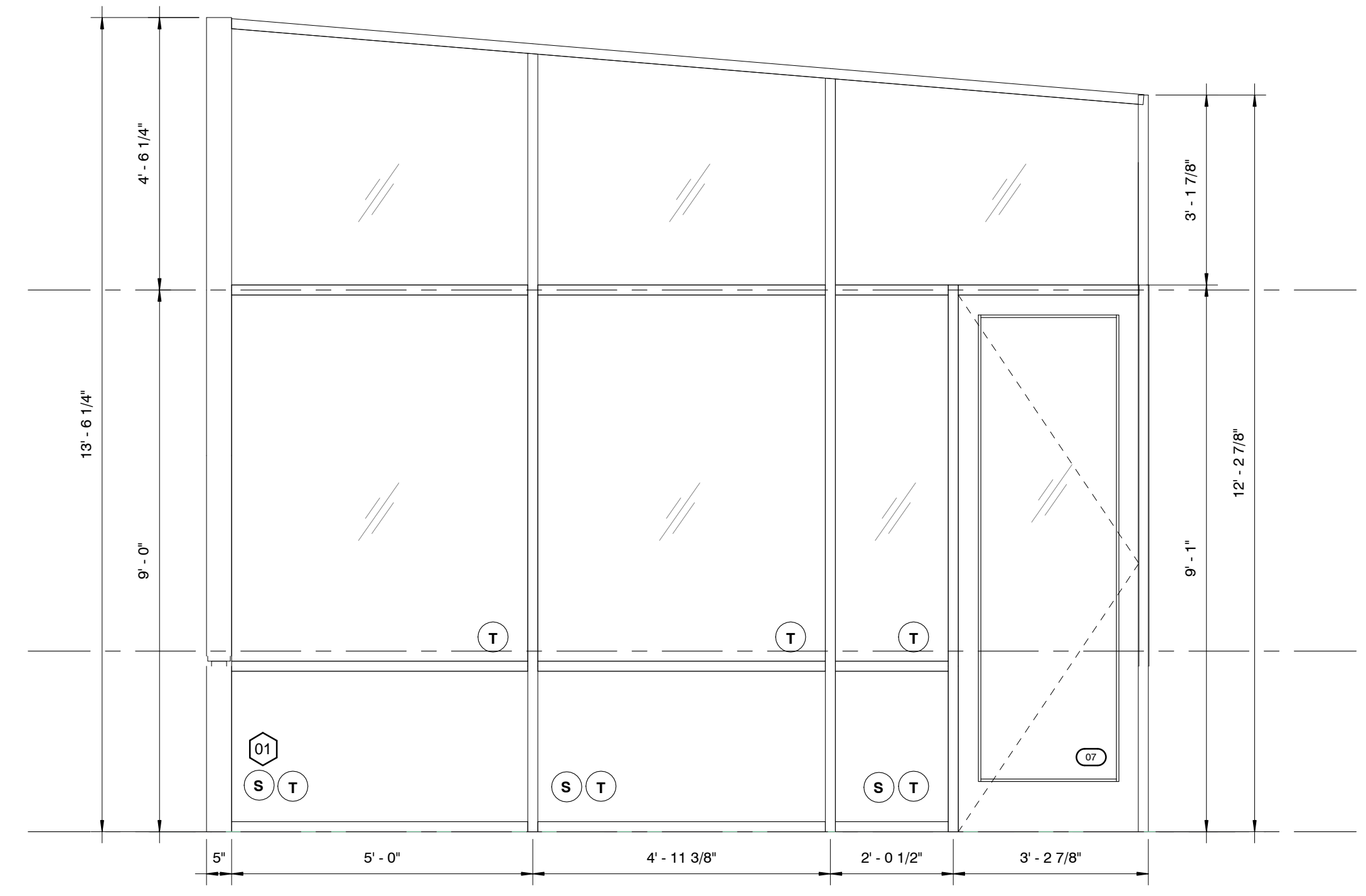
4 CURTAIN WALL SILL  
 3" = 1'-0"

**STOREFRONT SCHEDULE:**

NO	QTY	TYPE	LENGTH	HEIGHT	FRAME		DETAILS			REMARKS
					TYPE	FINISH	HEAD	JAMB	SILL	
01	1	EFCO 403 SERIES OR EQUAL STOREFRONT SYSTEM	15' - 8 5/8"	12' - 7 13/16"						
02	1	EFCO 403 SERIES OR EQUAL STOREFRONT SYSTEM	23' - 6 25/32"	13' - 2 11/32"						
03	1	EFCO SYSTEM 5500 - STRUCTURAL GLAZED CURTAIN WALL - 4-SIDED	13' - 5 3/4"	18' - 8 1/16"	AL					
04	1	EFCO SYSTEM 5500 - STRUCTURAL GLAZED CURTAIN WALL - 4-SIDED	12' - 0 7/8"	18' - 6 29/32"	AL					
05	1	EFCO 403 SERIES OR EQUAL STOREFRONT SYSTEM	4' - 10 5/8"	5' - 7 1/16"						
06	1	EFCO 403 SERIES OR EQUAL STOREFRONT SYSTEM	1' - 7 3/4"	9' - 0"						
07	1	EFCO 403 SERIES OR EQUAL STOREFRONT SYSTEM	3' - 0"	4' - 2"						



2 STOREFRONT ELEVATION - 2  
 1/2" = 1'-0"



1 STOREFRONT ELEVATION - 1  
 1/2" = 1'-0"





**PROJECT INFORMATION**  
**ANDY'S FROZEN CUSTARD - CONWAY**  
 275 Dave Ward Dr., Conway, AR 72034

**ISSUE**  
**BID / PERMIT SET**

**MARCH 9, 2015**

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**REVISION SCHEDULE**

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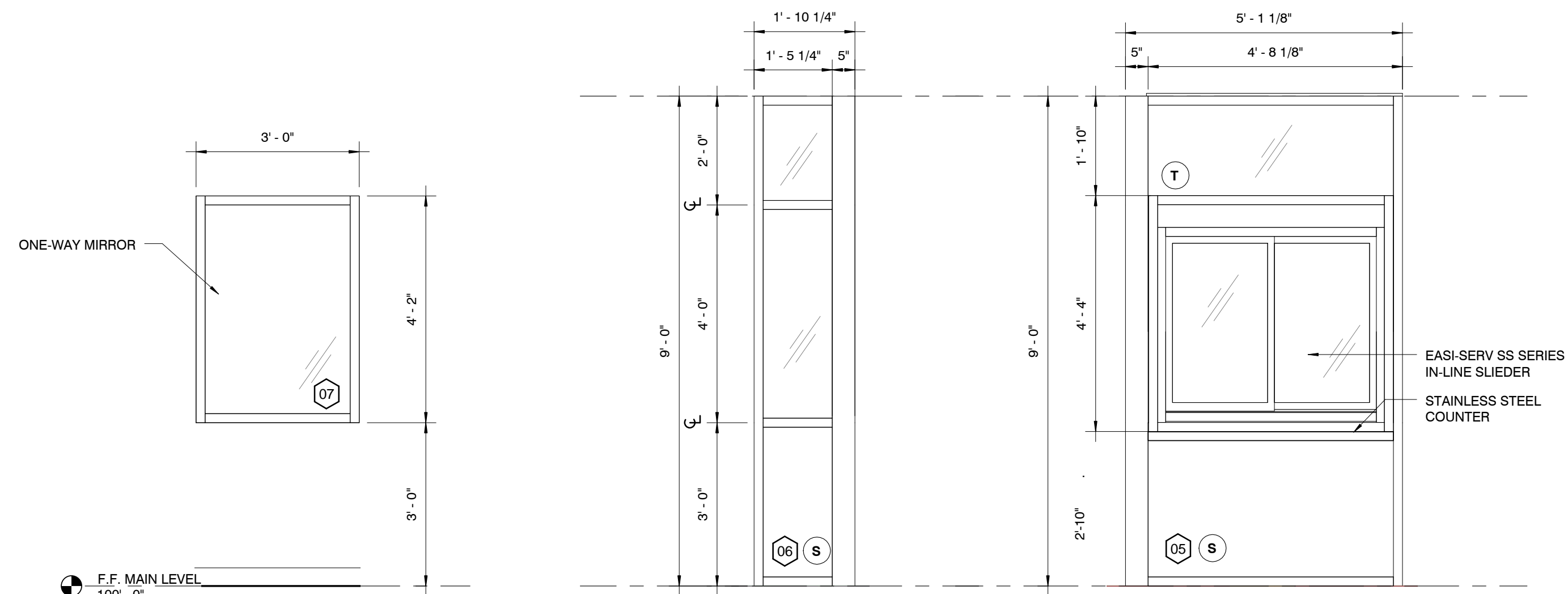
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Drawn By: Author Architect: AS License Number:



**SHEET**  
**STOREFRONT DETAILS AND ELEVATIONS**

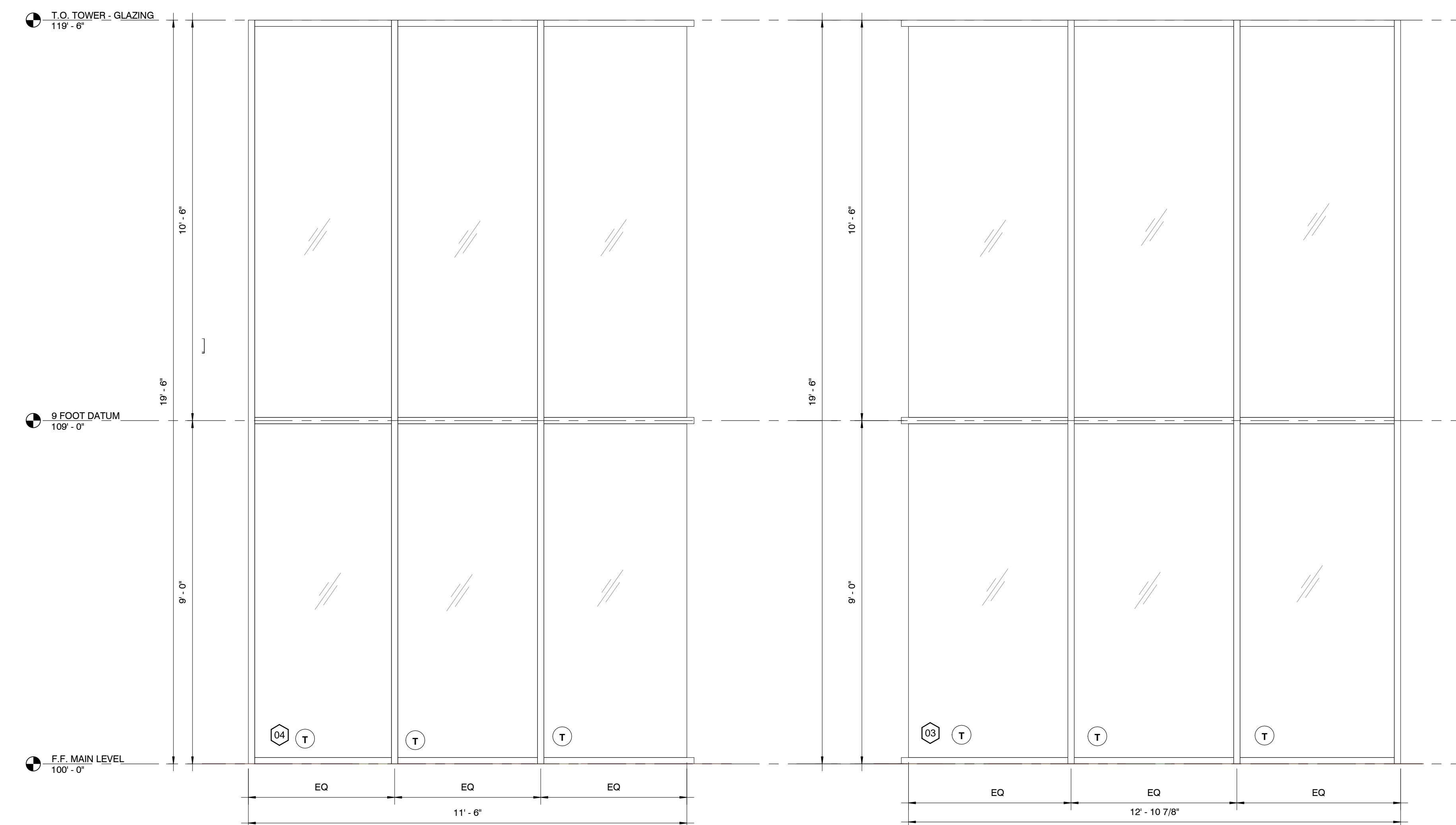
**A703**



**3 WINDOW ELEVATION - INT**  
 1/2" = 1'-0"

**4 STOREFRONT ELEVATION - 6**  
 1/2" = 1'-0"

**5 DRIVE-THRU WINDOW ELEVATION**  
 1/2" = 1'-0"



**2 STOREFRONT ELEVATION - 4**  
 1/2" = 1'-0"

**1 STOREFRONT ELEVATION - 3**  
 1/2" = 1'-0"











### FUTURE INFRARED HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	TUBE LENGTH (FT)	INPUT (MBH)	OUTPUT (MBH)	BLOWER CFM	ELECTRICAL			ACCESS.
								VOLT/PH	MCA	MOCP	
IRH1	REVERBERRY	DSC	GAS	-	31.0	24.8	-	120/1	.5	15	MB,DM,CT,1
IRH2	REVERBERRY	DSC	GAS	-	31.0	24.8	-	120/1	.5	15	MB,DM,CT,1

ABBREVIATIONS:  
 MB - MOUNTING BRACKET  
 DM - DISCONNECTING MEANS  
 R - ALUMINUM REFLECTORS  
 CA - COMBUSTION AIR KIT  
 ST - STRAIGHT TUBE  
 T - MODULATING, HEATING ONLY THERMOSTATS WITH INFRARED SHIELDING - REFER TO THE PLANS FOR THE EXACT QUANTITY (UP TO FOUR UNITS MAY BE CONTROLLED FROM A SINGLE THERMOSTAT).  
 UT - U TUBE  
 CT - 120VAC/24VAC CONTROL TRANSFORMER, SIZED PER MANUFACTURER REQUIREMENTS

### NOTES:

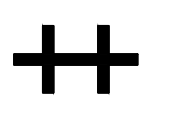
- ROUTE THROUGH LIGHTING CONTACTOR "LC1".
- PROVIDE ROUGH-IN AND CIRCUITING FOR INTERNALLY LIT STORAGE. VERIFY LOCATION WITH ARCHITECT AND CIRCUITING REQUIREMENTS WITH MANUFACTURER.
- PROVIDE STUB-UP AND CIRCUITING FOR INTERNALLY LIT STORAGE. VERIFY LOCATION WITH ARCHITECT AND CIRCUITING REQUIREMENTS WITH MANUFACTURER. PROVIDE WEATHERPROOF DISCONNECTING MEANS IF NOT INTEGRAL TO STORAGE.
- 1.5" DOMESTIC WATER SERVICE. REFER TO CIVIL PLANS FOR CONTINUATION.
- PROVIDE BACKBOX AND 1" CONDUIT BACK TO PANEL "LP2" FOR FUTURE RADIANT HEATER. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
- SPACE RESERVED FOR FUTURE RADIANT HEATER.
- 4" SANITARY SEWER. REFER TO CIVIL PLANS FOR CONTINUATION.
- ROUTE CIRCUITS THROUGH ANIMATOR CONTROL BOX "ACB", LOCATED IN OFFICE-3.

### BRANCH CIRCUIT & FEEDER SCHEDULE

- 2-#10 AND 1-#10 GROUND IN 0.75" CONDUIT.

### GENERAL NOTES:

- CONTRACTOR SHALL CONTACT CONWAY CORPORATION AND ARRANGE FOR ELECTRIC SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR ELECTRIC SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- CONTRACTOR SHALL CONTACT CONWAY CORPORATION AND ARRANGE FOR WATER SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR WATER SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- CONTRACTOR SHALL CONTACT CENTER POINT ENERGY AND ARRANGE FOR GAS SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR GAS SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.



PROJECT INFORMATION  
**Andy's Custard - Conway**  
 Arkansas

2375 Dave Ward Drive, AR 72034

ISSUE  
**Bid Set**

March 09, 2015

ARCHITECT  
**Hufft Projects**  
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M.E.P. ENGINEER:

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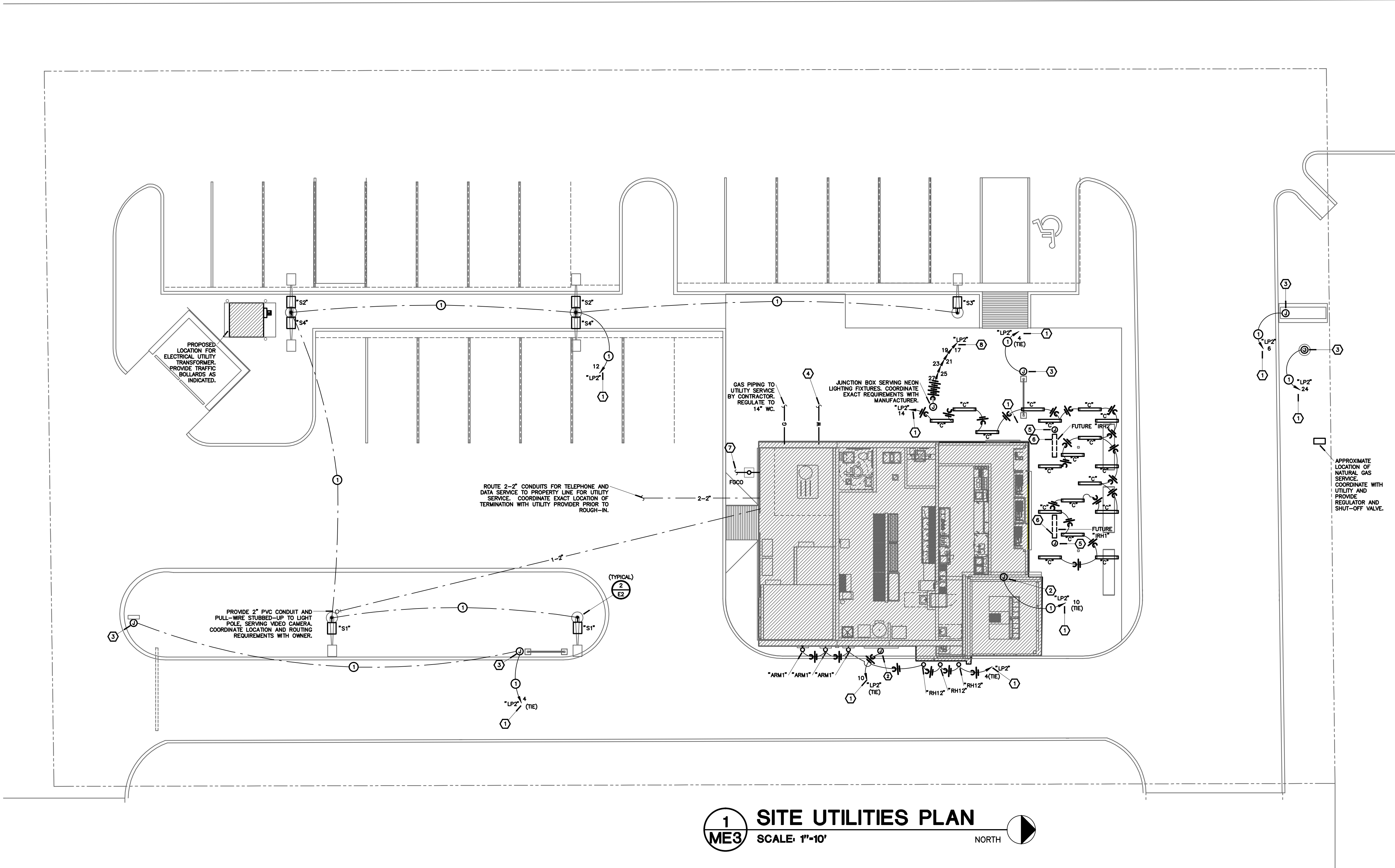
NOTES:

### REVISION SCHEDULE

NO.	DATE	ISSUE

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Drawn By: TREVOR KARSTENS Project Number: 11136  
 Contact Number: 913-322-1400 AR CDA Number: 1163



**1 SITE UTILITIES PLAN**  
 ME3 SCALE: 1"=10' NORTH

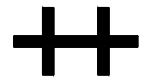












**PROJECT INFORMATION**  
**Andy's Custard - Conway**  
**Arkansas**  
 2375 Dave Ward Drive, AR 72034

**ISSUE**  
**Bid Set**

**March 09, 2015**

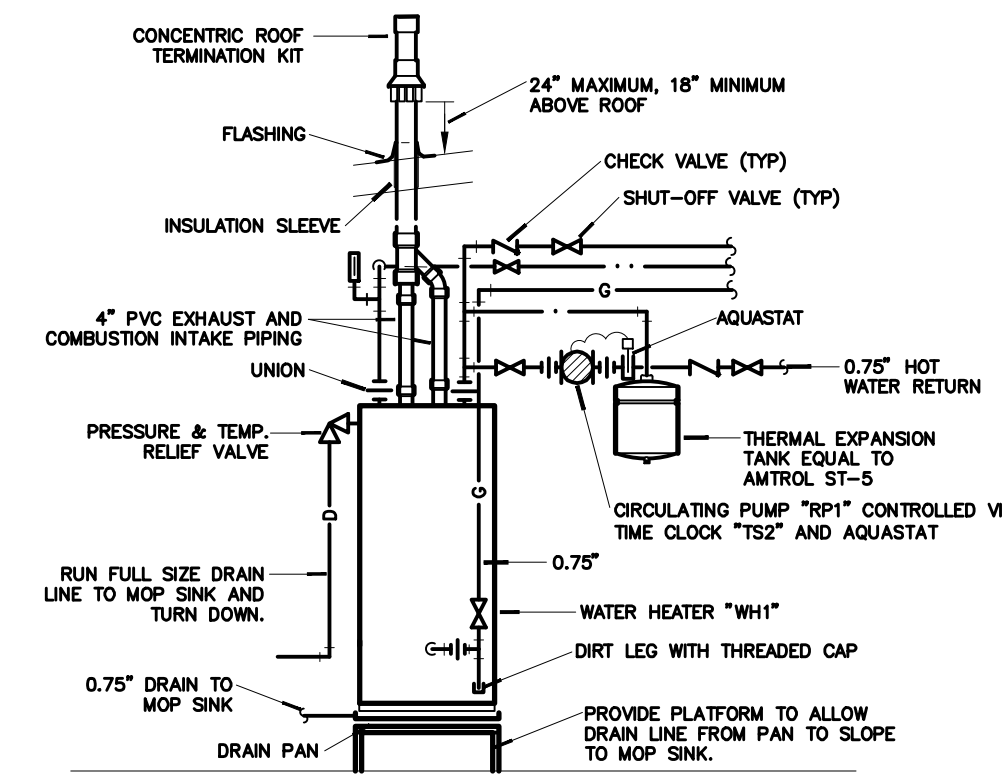
**ARCHITECT**  
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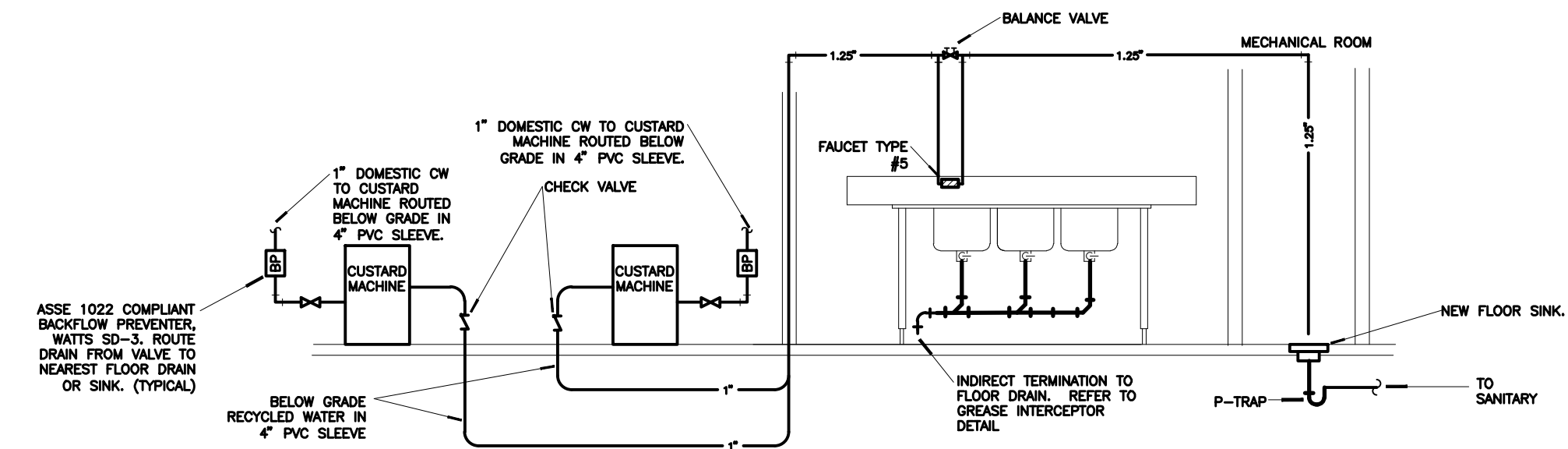
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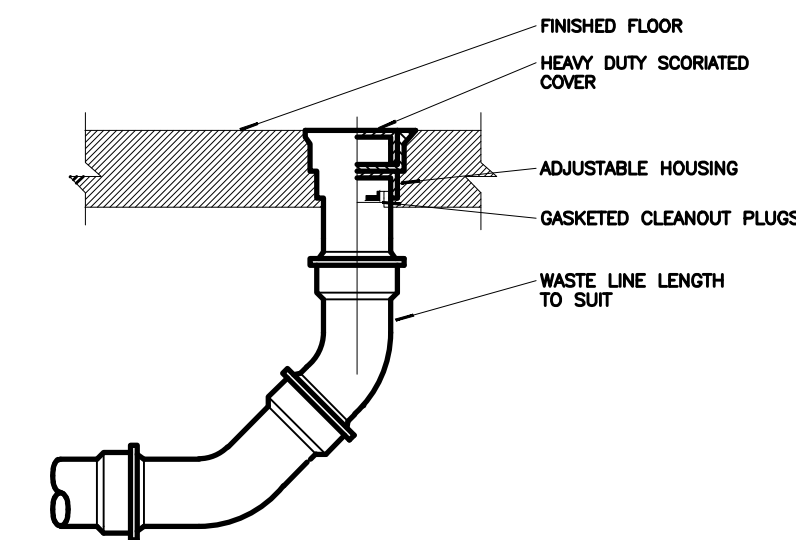
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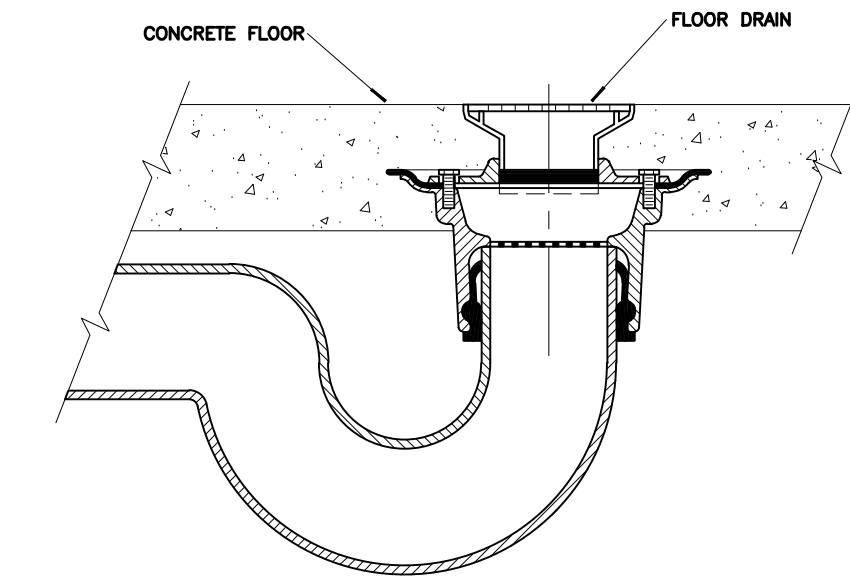
**5 WATER HEATER DETAIL**  
 NO SCALE



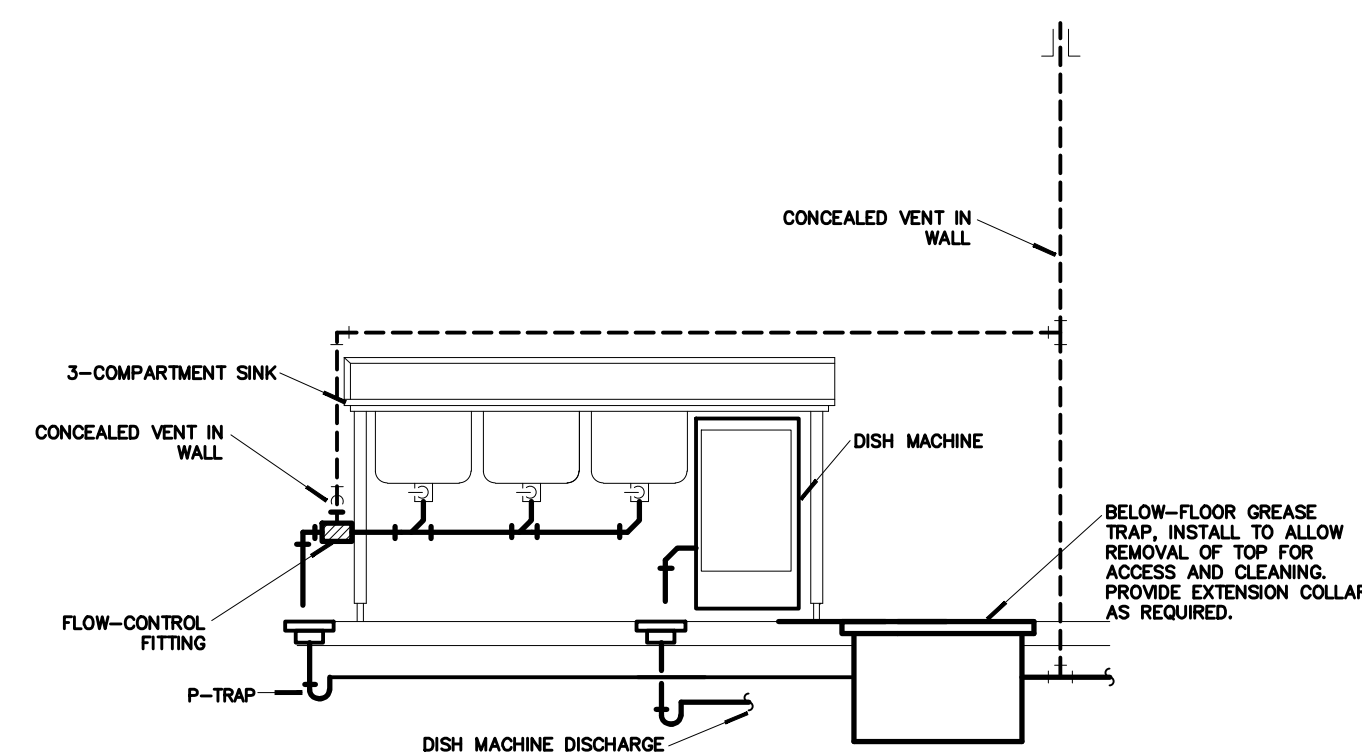
**1 CUSTARD MACHINE RISER DIAGRAM**  
 NO SCALE



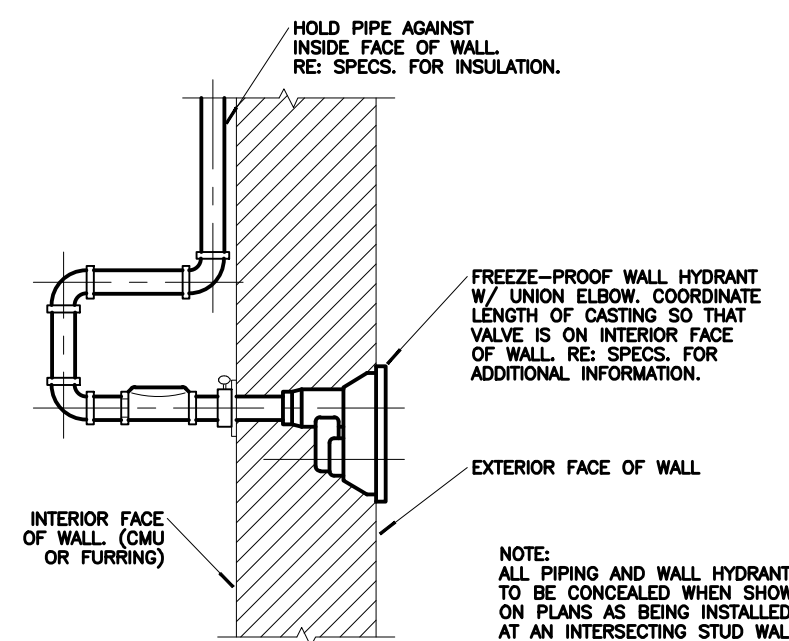
**4 FLOOR CLEANOUT DETAIL**  
 NO SCALE



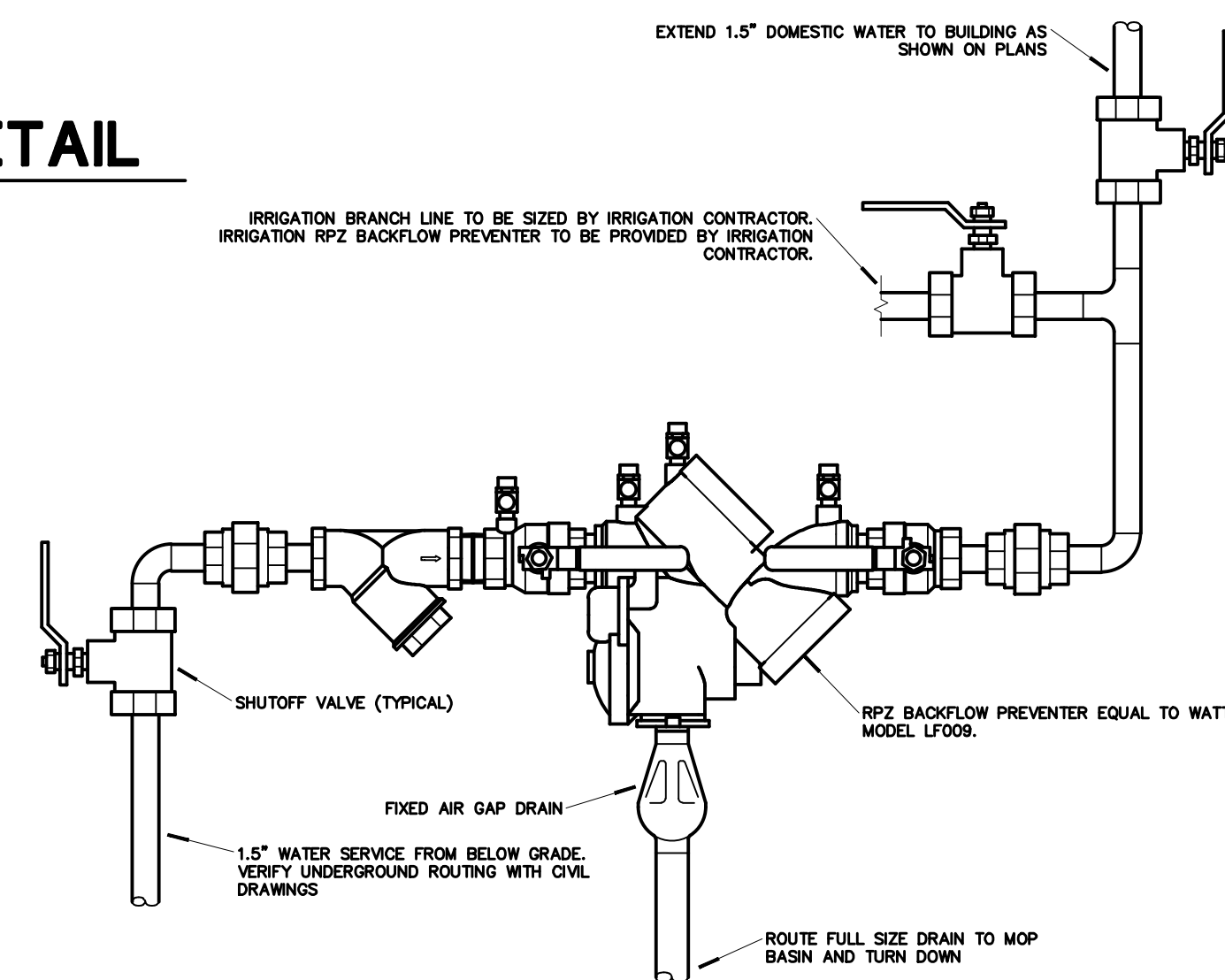
**3 FLOOR DRAIN DETAIL**  
 NO SCALE



**7 GREASE INTERCEPTOR DETAIL**  
 NO SCALE



**6 WALL HYDRANT DETAIL**  
 NO SCALE



**2 WATER SERVICE DETAIL**  
 NO SCALE

WATER HEATER SCHEDULE								
MARK	MANUFACTURER	MODEL NO.	TYPE	GALLON CAP.	GPH @ 90°F	INPUT (MBH)	OUTPUT (MBH)	ACCESSORIES
WH1	RHEEM	HE119-130	GAS	119	187	130	123.5	120/1 PTRV, IT, CV

ABBREVIATIONS:  
 PTRV - PRESSURE & TEMPERATURE RELIEF VALVE  
 IT - IMMERSION TYPE THERMOSTAT  
 CV - CONCENTRIC VENT KIT

PIPING MATERIAL SCHEDULE											
SYSTEM	PIPING					FITTINGS		MAX. WORKING		FIELD TEST	
	SIZE	TYPE	SCH	GRD	ASTM MATERIAL	MAT.	TYPE	PRESS (PSI)	TEMP (°F)	PRESS (PSI)	TIME
WATER SERVICE	ALL	PVC	40	---	D1785 PVC	PVC	SW	80	50-140	120	1 HR
DOMESTIC WATER ABOVE GRADE	ALL	L	---	---	B88 CP	CP	SJ	120	40-180	150	1 HR
DOMESTIC WATER BELOW GRADE	ALL	M	---	---	B88 CP	*	*	120	40-180	150	1 HR
WASTE & VENT BELOW GRADE	ALL	DWV	40	---	2865 PVC	PVC	DR/SW	10 FT	50-180	10 FT	1 HR
WASTE & VENT ABOVE GRADE	ALL	NH	SS	---	A74 C1	C1	DR/VH	10 FT	50-180	10 FT	1 HR
DISHWASHER WASTE & VENT BELOW GRADE	ALL	NG/BS	SS	---	A74 C1	C1	DR/VG	10 FT	50-180	10 FT	1 HR
NATURAL GAS ABOVE GRADE	0.5"-2.5"	CW	40	A	A53 CS/BLK	MI	THRD	1	---	100	1 HR
TEMPERATURE & PRESSURE RELIEF DRAIN	ALL	M	---	---	B88 CP	CP	DR/S	10FT	40-70	10FT	1 HR
CONDENSATE DRAIN ABOVE GRADE	ALL	M	---	---	B88 CP	CP	DR/S	10FT	40-70	10FT	1 HR
REFRIGERANT PIPING	ALL	ACR	---	---	B280 CP	CP	S	150	40-140	200	4 HR
EXTERIOR SANITARY SEWER	ALL	DWV	PER	ASTM D-3034	PVC	PVC	PER ASTM D-3212	10 FT	50-180	10 FT	1 HR

ATP - ARMCO TRUSS PIPE  
 BLK - BLACK  
 BS - BELL & SPIGOT  
 CF - CRIMPED FITTING  
 CI - CAST IRON  
 CP - COPPER  
 CS - CARBON STEEL  
 CTD - PIPE LINE SERVICE COMPANY X-TRU-COAT HIGH DENSITY POLYETHYLENE COATING  
 EXTRUDED OVER PIPE  
 CW - CONTINUOUS WELD  
 DI - DUCTILE IRON  
 DR - DRAINAGE FITTING  
 GLV - GALVANIZED  
 HF - HEAT FUSED  
 LC - LEAD CAULKING  
 MI - MALLEABLE IRON

MJ - MECHANICAL JOINT  
 NG - NEOPRENE GASKET  
 NO - NO-HUB  
 PE - POLYETHYLENE  
 PVC - POLYVINYL CHLORIDE  
 S - BRAZED JOINT - SILVER BRAZING ALLOY  
 SJ - SOLDER JOINT 95-5 TIN-ANTIMONY  
 SL - SEAMLESS STEEL  
 SS - STANDARD STRENGTH - SERVICE WEIGHT  
 SW - SOLVENT WELD  
 TS - TY-SEAL  
 THRD - THREADED  
 VCP - VITRIFIED CLAY PIPE  
 WELD - WELDED  
 XH - EXTRA HEAVY

\* NO JOINTS ALLOWED ON DOMESTIC WATER PIPING BELOW SLAB

PUMP SCHEDULE																
MARK	MAN.	SERIES	SIZE	INLET	DISCH.	GPM	TOTAL HEAD (ft.)	NPSH	TYPE	WORK. CLASS (psf)	HP	RPM	VOL/PH	CONST.	FLUID PUMPED	FLUID TEMP.
RP1	BG	PL	30	0.5"	0.5"	1.0	10	---	IL	150	1/12	2850	120/1	AB	TW	50-180

ABBREVIATIONS:  
 IL - IN-LINE  
 DW - DOMESTIC HOT WATER  
 BG - BELL & CROSSETT  
 AB - ALL BRONZE  
 ATC - PROVIDE AUTOMATIC TEMPERATURE CONTROL KIT WITH AQUASTAT TO CYCLE PUMP TO MAINTAIN TEMPERATURE (110 F ADJUSTABLE)

REVISION SCHEDULE		
NO.	DATE	ISSUE

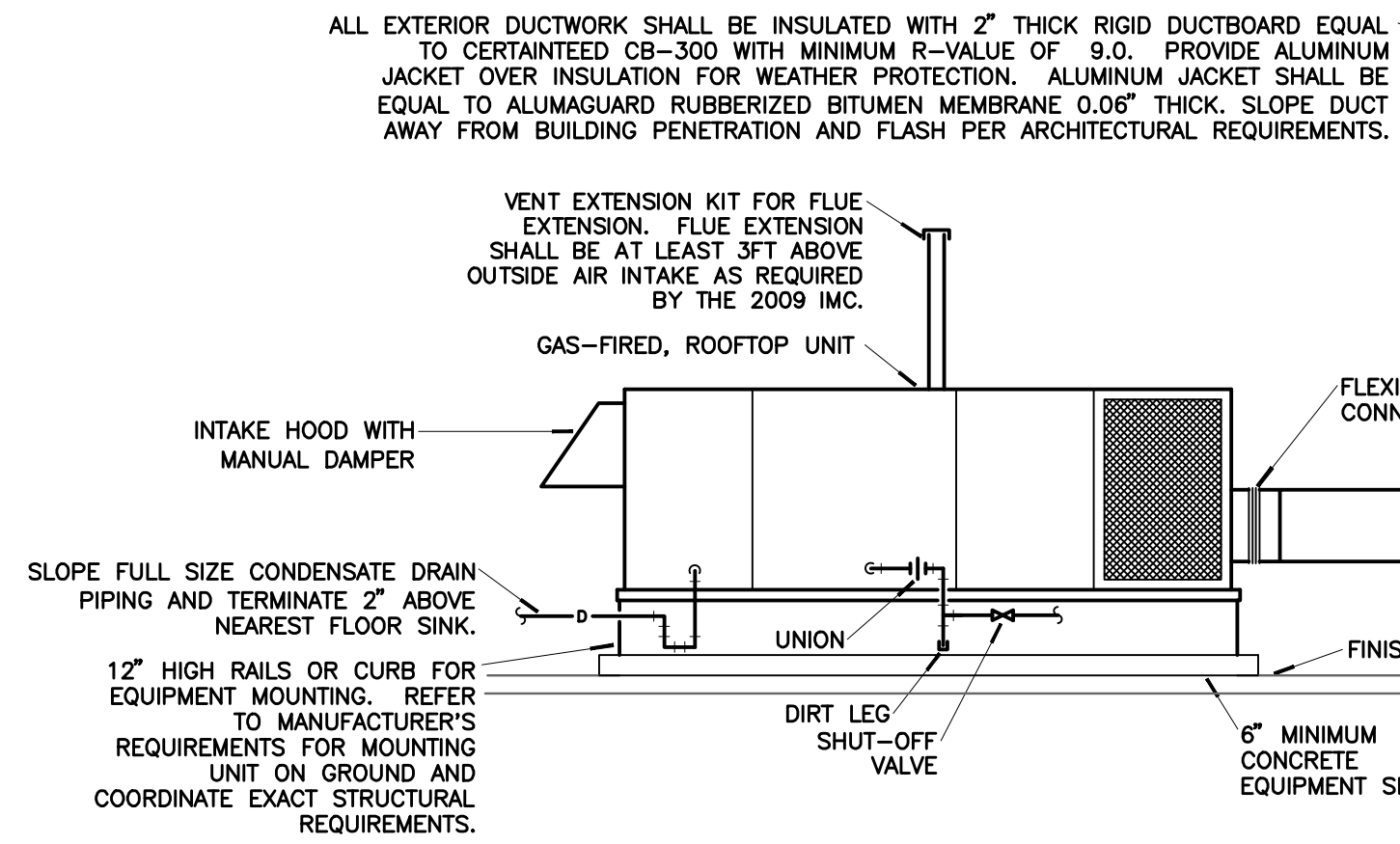
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Drawn By: TREVOR KARSTENS Project Number: 11136  
 Contact Number: 913-322-1400 AR CDA Number: 1163

SHEET PLUMBING PLANS

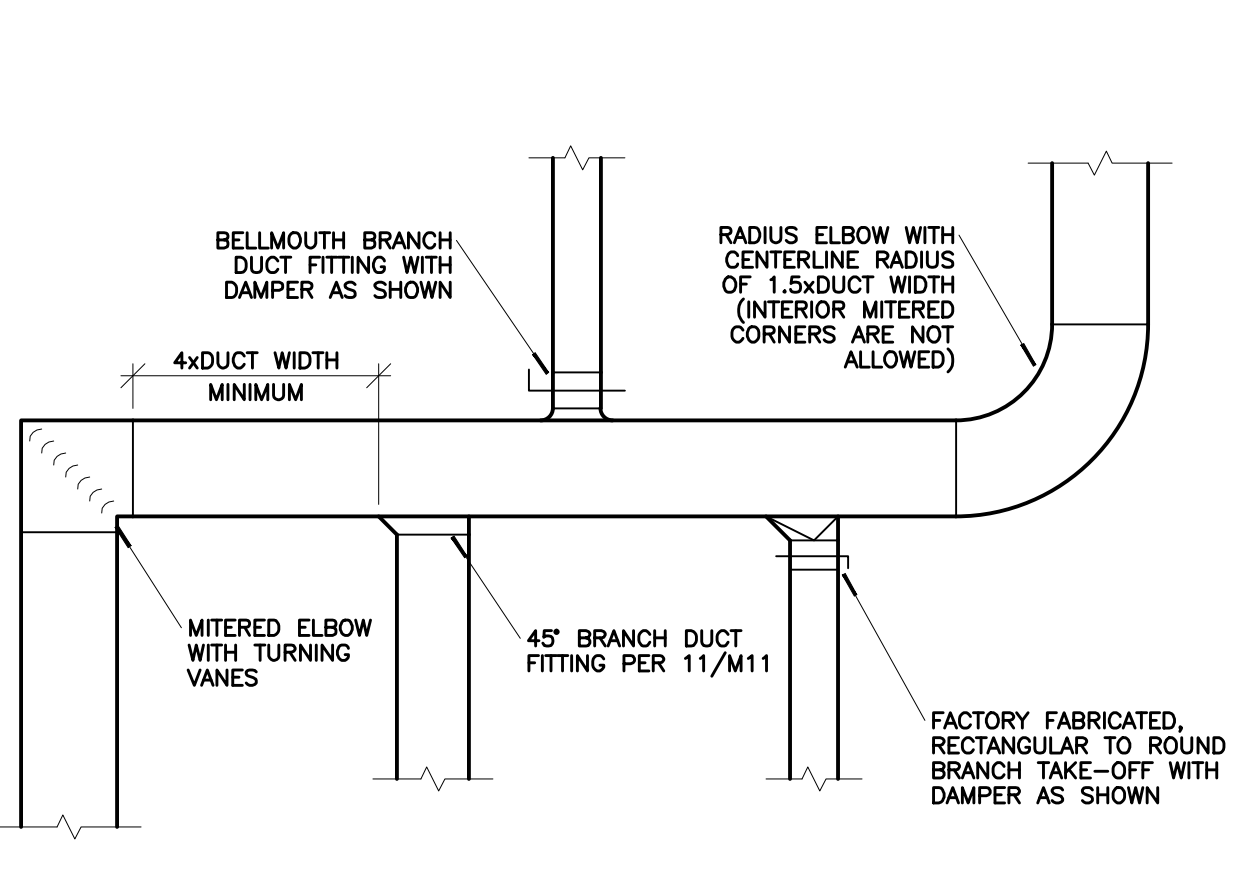
**M2**





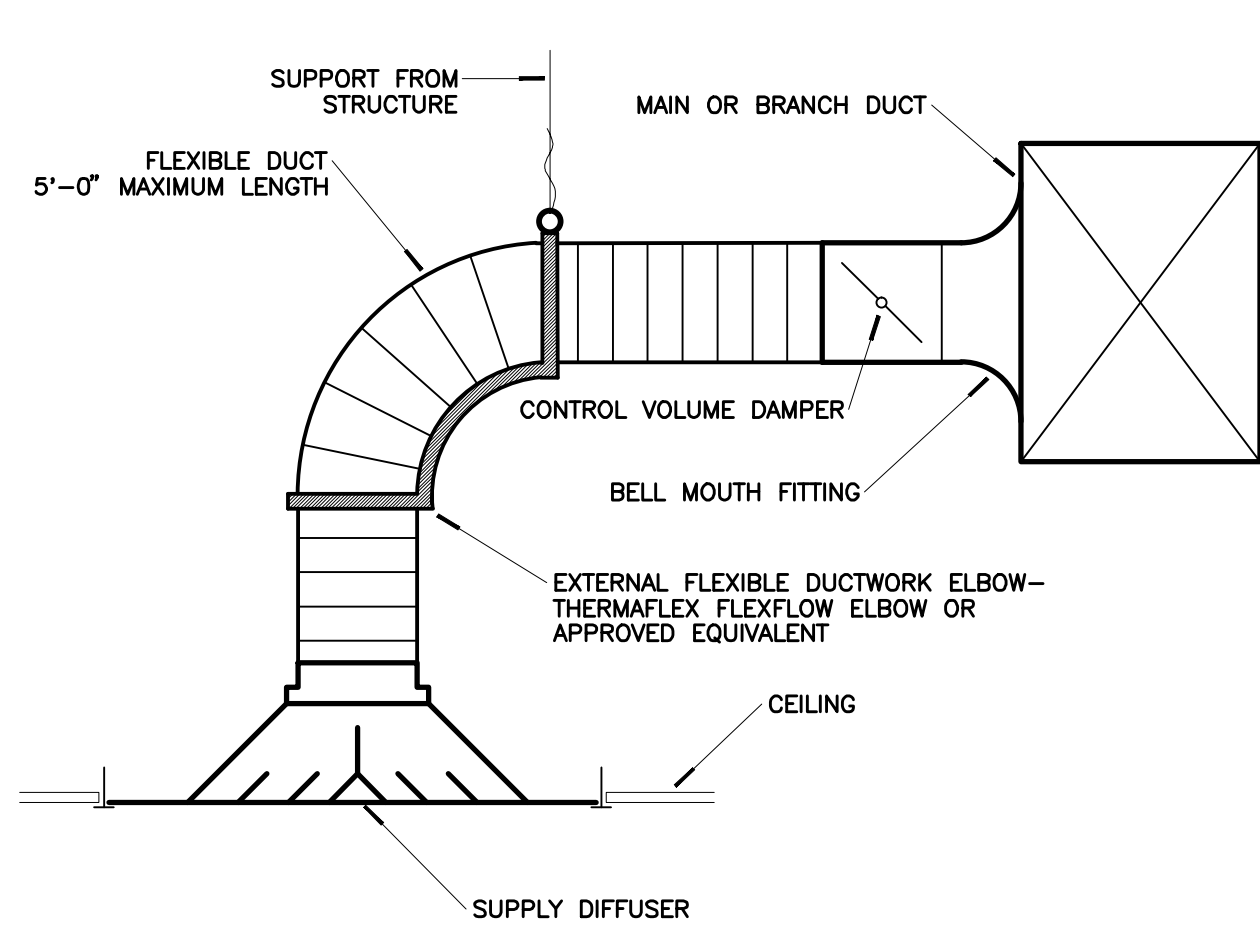
### GROUND MOUNTED ROOFTOP UNIT DETAIL

4  
M3 NO SCALE



### DUCTWORK CONSTRUCTION DETAIL

3  
M3 NO SCALE



### CEILING DIFFUSER DETAIL

2  
M3 NO SCALE

EXHAUST FAN SCHEDULE							
MARK	MANUFACTURER	CATALOG NUMBER	CFM	EST. ESP.	VOLTS/PHASE	MOTOR	ACCESSORIES
EF1	COOK	GN-142	100	0.2"	120/1	55 W	GBD, CG, DM

ABBREVIATIONS:  
CG - WHITE ALUMINUM CEILING GRILLE  
DM - DISCONNECT MEANS  
GBD - GRAVITY BACKDRAFT DAMPER

GRILLES, REGISTERS & DIFFUSER SCHEDULE										
MARK	MANUFACTURER	CATALOG #	APP	FINISH	FRAME TYPE	VOLUME DAMPER	MAX VC (DB)	MIN THROW (FT)	MAX THROW (FT)	MAX PRESS DROP
A	TITUS	OMN 24x24	SUP	WHITE	LAY-IN	N	30	6	12	0.1"
B	TITUS	PAR 24x24	RET	WHITE	LAY-IN	N	30	-	-	0.1"
C	TITUS	PAR 12x12	RET	WHITE	LAY-IN	N	30	-	-	0.1"
D	TITUS	OMN 12x12	SUP	WHITE	SURF	N	30	6	10	0.1"
E	TITUS	300RS	SUP	WHITE	SURF	N	30	10	25	0.1"

ABBREVIATIONS:  
EXH - EXHAUST  
RET - RETURN  
SUP - SUPPLY

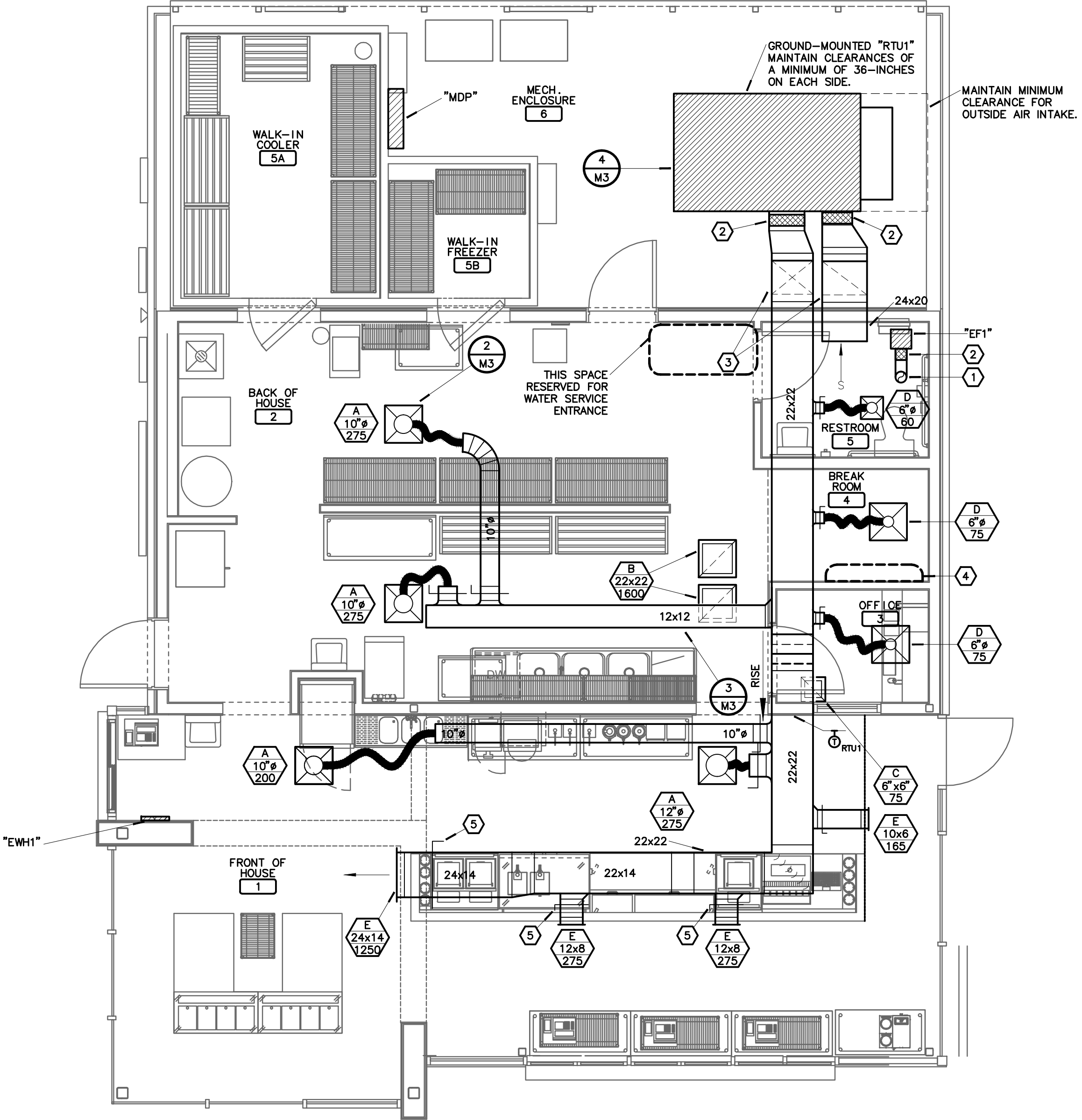
NOTES:  
1. THROWS ARE BASED ON 50 FEET PER MINUTE VELOCITY.  
2. OPPOSED BLADE DAMPERS SHALL BE PROVIDED ON ALL DIFFUSERS REQUIRING VOLUME DAMPERS.  
3. PROVIDE TYPE E DIFFUSER WITH AIR SCOOP DEVICE.

ELECTRIC WALL HEATER SCHEDULE									
MARK	MFG.	MODEL #	BLOWER CFM	HEATER MBH	HEATER WATTS	ELECTRICAL			ACCESSORIES
						VOLT/PH	MCA	MOC/P	
EW1	QMARK	AMH3150	100	5.1	1500	120/1	15	15	BB, DM, T

ABBREVIATIONS:  
BB - BACKBOX FOR RECESSED MOUNTING  
DM - DISCONNECTING MEANS  
T - INTEGRAL THERMOSTAT

ROOFTOP UNIT SCHEDULE																
ROOFTOP UNIT			COOLING CAPACITY				HEATING CAPACITY			ELECTRICAL DATA			ACCESSORIES			
MARK	MFG.	MODEL #	CFM	EST. ESP (in w.g.)	E.A.T. (DB/WB) (DEG. F)	MIN. SHC (MBH)	MIN. THC (MBH)	MIN. EER	AMB. TEMP (DEG. F)	OUTPUT (MBH)	EFF. (%)	KW		VOLTS/PHASE	MCA (MPS)	MOC/P (MPS)
RTU1	TRANE	YHC-092	3200	0.6"	76/61	76.3	86.5	12.0	100	84/120	80	-	208/3	42	50	DA, T, HD, DD

ABBREVIATIONS:  
BR - BAROMETRIC RELIEF DAMPER WITH HOOD  
CH - CRANKCASE HEATER  
LA - LOW AMBIENT CONTROL (0°F)  
DD - DIRECT DRIVE ECM MOTOR  
DA - 0-100% MODULATING OUTDOOR AIR ECONOMIZER - MINIMUM OUTSIDE AIR SHALL BE 300 CFM DURING OCCUPIED TIMES  
PE - POWERED EXHAUST  
HD - HORIZONTAL DISCHARGE/RETURN ADAPTER  
T - WHITE RODGERS 1F90-1280 7-DAY PROGRAMMABLE THERMOSTAT WITH F145-1328 REMOTE AVERAGING SENSORS WHERE INDICATED ON PLAN  
+E.S.P. - DOES NOT INCLUDE FILTER LOSS



### 1 HVAC PLAN

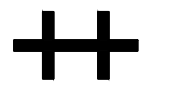
M3 SCALE: 1/4"=1'-0" NORTH

### NOTES:

- 6" EXHAUST DUCT UP TO ROOF CAP EQUAL TO COOK MODEL PRB ON MINIMUM 12" TALL ROOF CURB.
- TRANSITION TO EQUIPMENT OPENING AND PROVIDE FLEXIBLE CONNECTION.
- SUPPLY AND RETURN DUCTS DOWN TO UNIT. DUCTS SHALL PENETRATE EXTERIOR WALL ABOVE LAY-IN CEILING.
- THIS SPACE RESERVED FOR ELECTRIC PANEL INSTALLATION. NO DUCTWORK TO BE ROUTED ABOVE THIS AREA.
- BALANCE DAMPER SHALL BE ACCESSIBLE BY REMOVING CEILING TILE.

### GENERAL NOTES:

- ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH THE 2009 INTERNATIONAL MECHANICAL CODE, AS ADOPTED BY THE CITY OF CONWAY, ARKANSAS.
- PLANS ARE DIAGRAMMATIC IN NATURE AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- CLOSELY COORDINATE WORK WITH ALL OTHER TRADES.
- ALL METAL DUCTWORK SPECIFIED TO RECEIVE INTERIOR THERMAL AND ACOUSTICAL LINER IS NOT SIZED ON PLANS TO INCLUDE THE PROPER THICKNESS OF INSULATION. ADD 1" OR 2" HEIGHT AND WIDTH OF DUCTWORK TO ACCOMMODATE THICKNESS OF INSULATION.
- BRACH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK, UNLESS NOTED OTHERWISE.
- ALL THERMOSTATS SHALL BE SUPPLIED BY THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT, WIRE, BOXES, ETC. FOR THE INSTALLATION OF THERMOSTATS. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND CONNECTION OF THERMOSTATS.
- ROUND TAKE-OFF FITTINGS FROM RECTANGULAR DUCTWORK SHALL BE MADE WITH BUCKLEY BELLMOUTH FITTINGS, OR APPROVED EQUAL.
- PROVIDE TURNING VANES IN ALL ELBOWS.



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**March 09, 2015**

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NOTES:

### REVISION SCHEDULE

NO.	DATE	ISSUE

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Drawn By: TREVOR KARSTENS Project Number: 11136  
Contact Number: 913-322-1400 AR CDA Number: 1163

SHEET HVAC PLAN

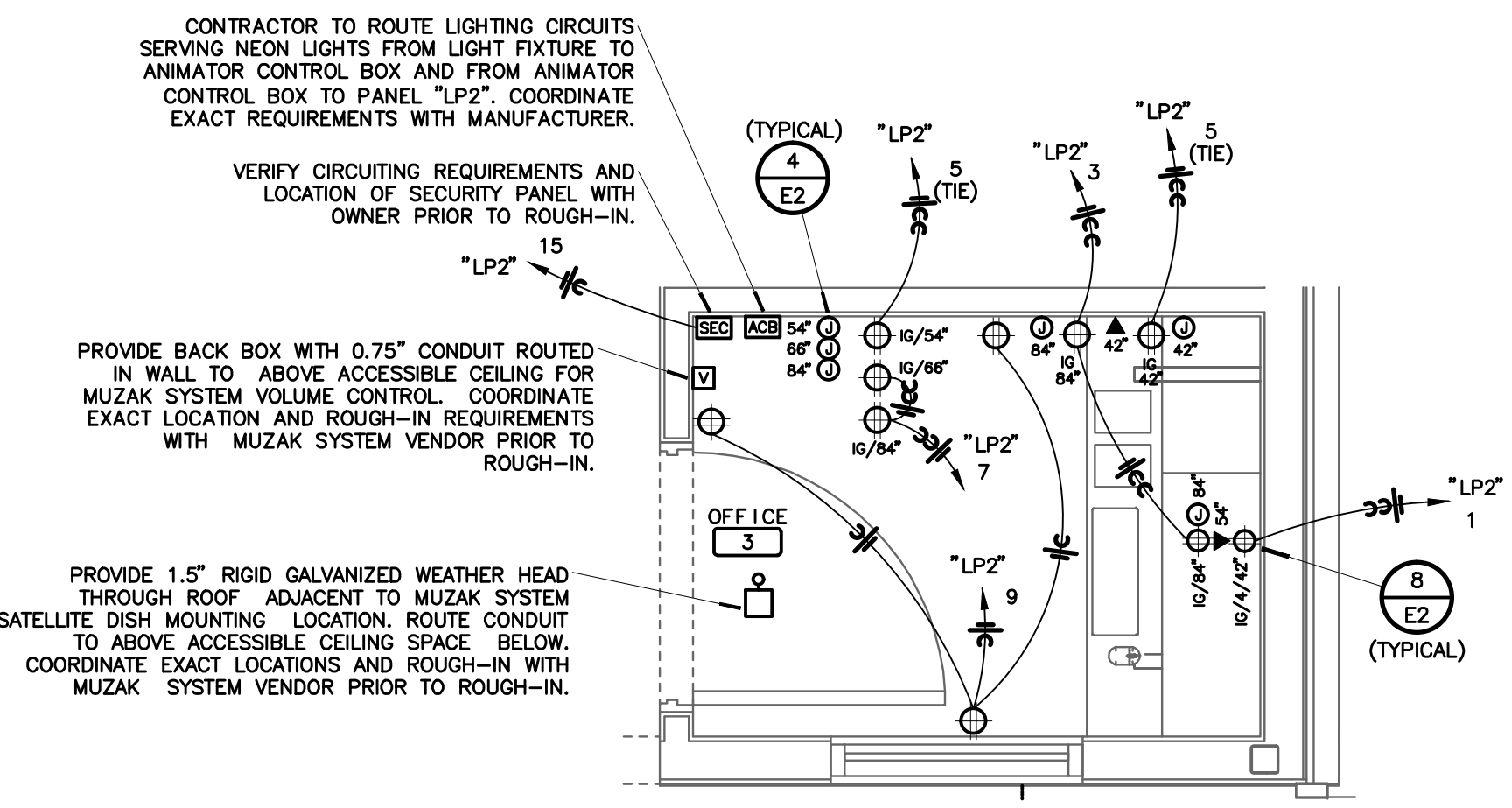
M3



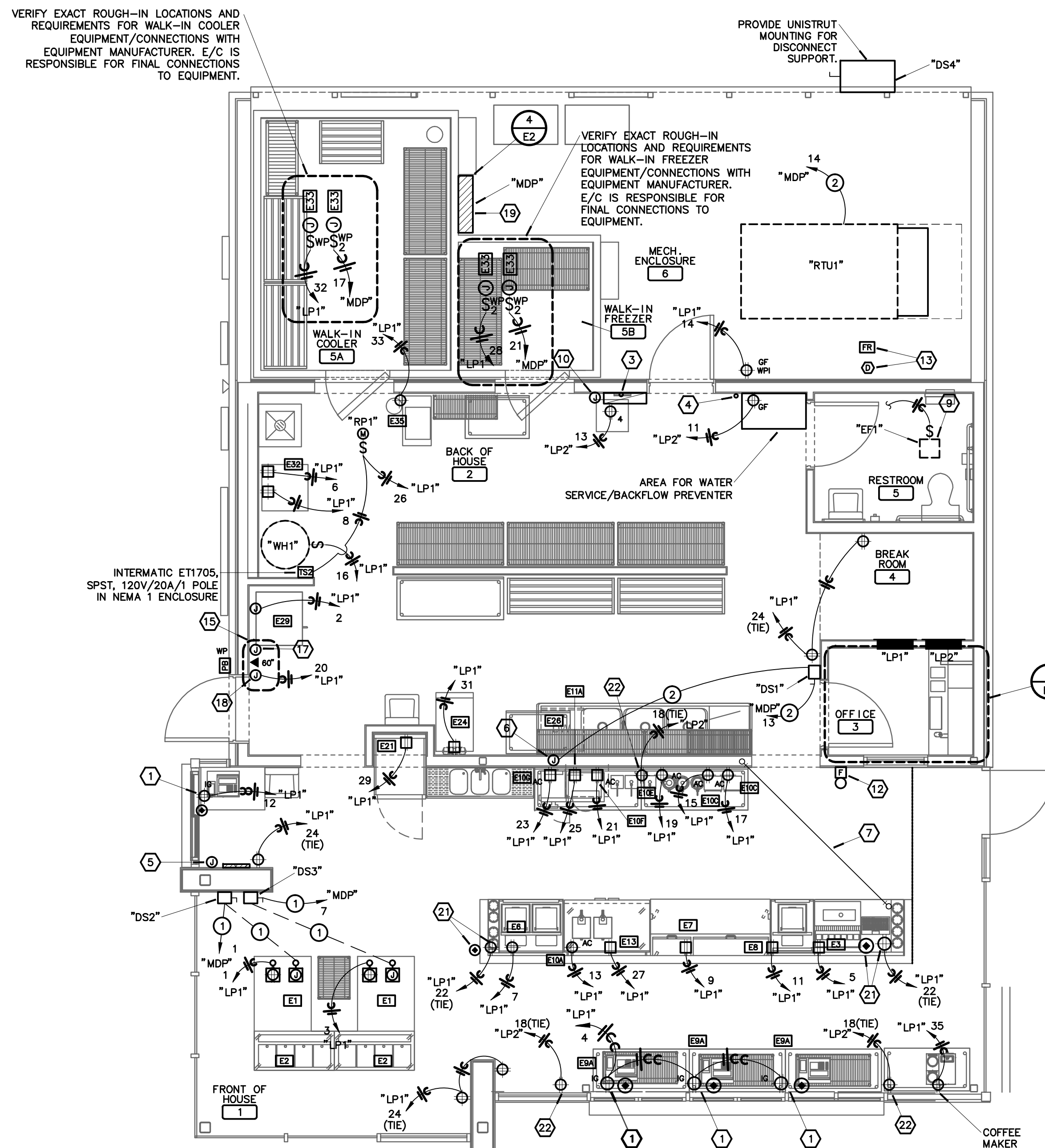
### LIGHTING CONTACTOR SCHEDULE

MARK	LOAD		CONTACTOR				INTERLOCK	
	EQUIPMENT SERVED	WATTS/VOLTS	TYPE	AMP	POLE/ENCLOSURE	ACCESSORIES	CONTROLLED BY	CONTROLS
LC1	EXTERIOR LIGHTING	- 120	NOEH	20	8 NEMA 1	-	TS1, PC1	-

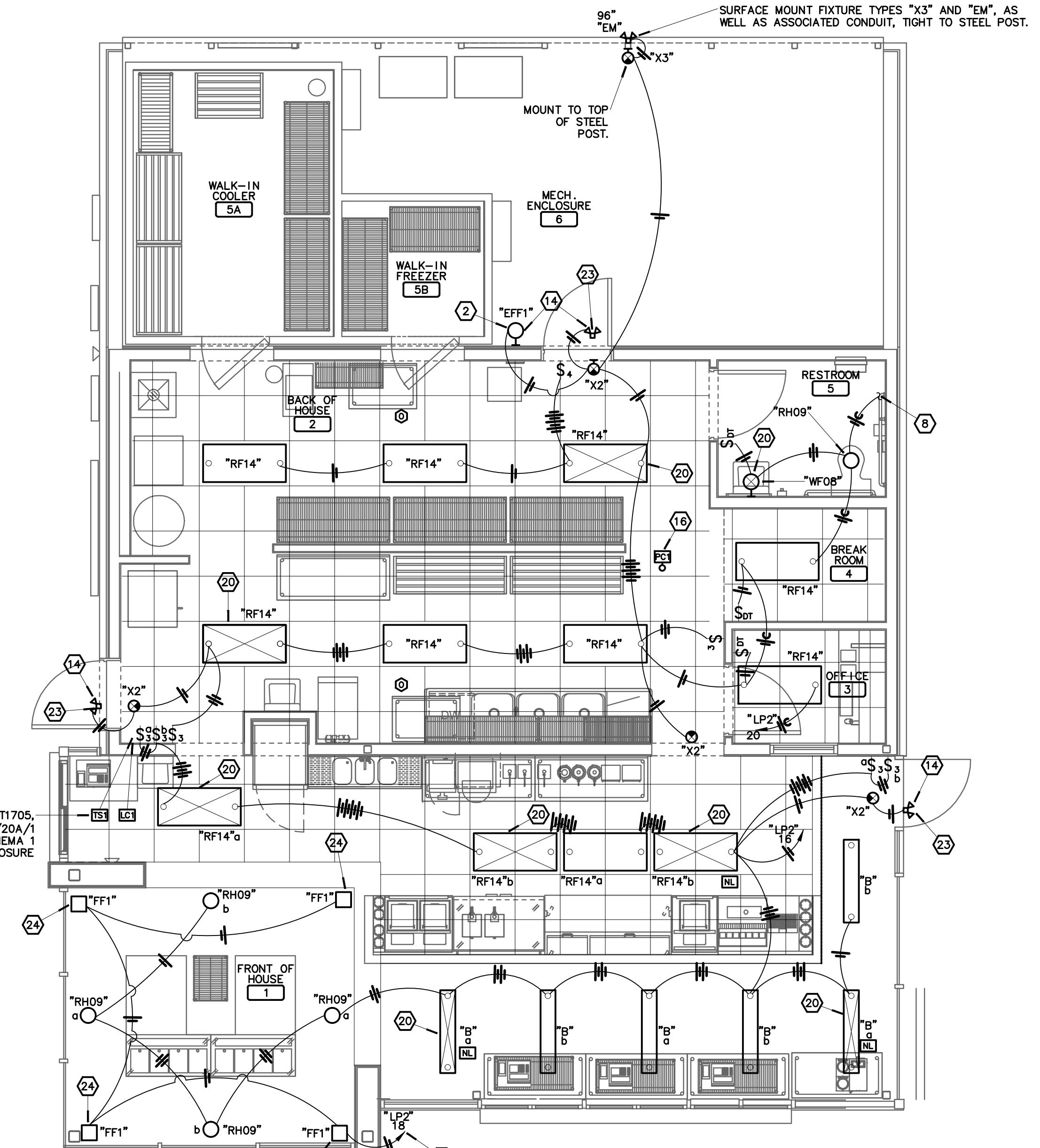
ABBREVIATIONS:  
 NCEH - NORMALLY CLOSED ELECTRICAL HELD  
 NOMEH - NORMALLY CLOSED MECHANICAL HELD  
 NOEH - NORMALLY OPEN ELECTRICAL HELD  
 NOMEH - NORMALLY OPEN MECHANICAL HELD  
 EMS - ENERGY MANAGEMENT SYSTEM



**3 ENLARGED OFFICE POWER PLAN**  
 1/2"-10" NORTH



**2 POWER PLAN**  
 E1 SCALE: 1/4"-1'-0" NORTH



**1 LIGHTING PLAN**  
 E1 SCALE: 1/4"-1'-0" NORTH

### NOTES:

- RECEPTACLE FOR POS EQUIPMENT. FIELD COORDINATE EXACT MOUNTING LOCATION WITH MILLWORK AND CASH REGISTER LAYOUT PRIOR TO ROUGH-IN.
- FIXTURE TO BE CONTROLLED VIA INTEGRAL PHOTOCELL.
- PROVIDE 2" EMPTY CONDUIT STUBBED UP TIGHT TO WALL 12" AFF. FOR TELEPHONE SERVICE. COORDINATE EXTERIOR ROUTE TO SERVICE.
- PROVIDE 1" EMPTY CONDUIT WITH PULL CORD STUBBED UP TIGHT TO WALL (12" AFF) FOR IRRIGATION SYSTEM CONTROLLER. COORDINATE BELOW GRADE ROUTING TO NEAREST PLANTING AREA WITH IRRIGATION SYSTEM CONTRACTOR.
- PROVIDE WALL MOUNTED JUNCTION BOX WITH 0.75" EMPTY CONDUIT ROUTED BELOW GRADE TO DRIVE AREA FOR DRIVE-THRU LOOP. ROUTE SECOND 0.75" EMPTY CONDUIT BELOW GRADE TO INTERIOR WALL AND THEN TO ABOVE ACCESSIBLE CEILING SPACE. VERIFY REQUIREMENTS AND JUNCTION BOX LOCATION WITH EQUIPMENT SUPPLIER.
- PROVIDE FLEXIBLE WATER-TIGHT CONNECTION TO UNDER COUNTER DISH MACHINE WITH BOOSTER HEATER.
- PROVIDE 1.5" CONDUIT ROUTED UNDER SLAB FOR DATA CONNECTION TO MAKE-TABLE. VERIFY ROUTING WITH OWNER PRIOR TO ROUGH-IN.
- EXTEND TO EXHAUST FAN. REFER TO DRAWING 2/E1.
- EXHAUST FAN SHALL BE CONTROLLED WITH LIGHTING VIA OCCUPANCY SENSOR. REFER TO DRAWING 1/E1 FOR CIRCUIT.
- PROVIDE #6 GROUND FOR CONNECTION TO TELE/DATA EQUIPMENT.
- ROUTE THROUGH LIGHTING CONTACTOR "LC1". FIXTURES AND/OR EQUIPMENT SHALL BE CONTROLLED BY "PC1" AND "TS1" PER 7/E2.
- REMOTE SOUNDER/LED ANNUNCIATOR NOTIFIER MODEL APA-451 TO SIGNAL "RTU1" DUCT SMOKE DETECTOR ACTIVATION. LABEL COVERPLATE "RTU1 DETECTOR"
- DUCT SMOKE DETECTOR (EQUAL TO NOTIFIER MODEL #PH00LP) SHALL BE INSTALLED IN RETURN AIR DUCTWORK. COORDINATE WITH M/C DUCTWORK SIZE AND ADDITIONAL LENGTH AS REQUIRED FOR DETECTOR INSTALLATION. UPON DETECTION OF SMOKE IN THE RETURN AIR DUCT, ALL UNIT OPERATION SHALL BE TURNED OFF. PROVIDE ALL FAN SHUTDOWN RELAYS AND ACCESSORIES NECESSARY FOR UNIT SHUTDOWN. PROVIDE RTS-451 REMOTE KEYED TEST STATION MOUNTED IN WEATHERPROOF BOX ON COURTYARD WALL.
- LIGHT FIXTURE SHALL BE MOUNTED AT APPROXIMATELY 9'-6" AFF. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN.
- INTERMATIC PHOTOCELL "PC1" MODEL K4321C MOUNTED ON ROOF IN WEATHERPROOF BOX PHOTOCELL TO CONTROL RELAYS WITH "TS1" IN LIGHTING CONTACTOR "LC1" AS SHOWN ON 7/E2. PHOTOCELL TO BE MOUNTED TO ENSURE CLEAR VIEW OF NORTHERN SKY.
- PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO SECURITY SYSTEM KEYPAD AT 60" AFF. EXTEND CONDUIT IN WALL UP TO ABOVE CEILING.
- PROVIDE SERVICE DOOR CHIME. (2 TONES)
- PROVIDE UNISTRUT MOUNTING BRACKET FOR "MDP".
- FIXTURE SHALL BE PROVIDED WITH INTEGRAL 1400 LUMEN EMERGENCY BALLAST. BALLAST SHALL BE CAPABLE OF OPERATING LAMP FOR MINIMUM OF 90 MINUTES.
- PROVIDE RECEPTACLE AND DATA CONNECTIONS FOR MAKE-TABLE MONITOR.
- SURFACE MOUNT RECEPTACLE AND ASSOCIATED CONDUIT ON MULLION AT APPROXIMATELY 8'-FT ABOVE FINISH FLOOR. RECEPTACLE SHALL SERVE OWNER PROVIDED NEON SIGNAGE. PAINT ALL EXPOSED CONDUIT AND RECEPTACLE BACK-BOX COLOR TO MATCH MULLION.
- REMOTE EMERGENCY HEAD PROVIDED WITH FIXTURE TYPE "X2".
- PROVIDE FLOOD LIGHT TO FEATURE SUSPENDED CONE. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

### BRANCH CIRCUIT & FEEDER SCHEDULE:

- 3-#3 and 1-#8 GROUND IN 1.25" CONDUIT.
- 3-#8 and 1-#10 GROUND IN 0.75" CONDUIT.

### GENERAL NOTES:

- PROVIDE FINAL ELECTRICAL CONNECTIONS FOR ALL EQUIPMENT.
- ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH CURRENT NEC REQUIREMENTS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- PLANS ARE DIAGRAMMATIC IN NATURE AND NOT TO BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH DETAILS, ELEVATIONS, AND EXACT MOUNTING LOCATIONS OF LIGHT FIXTURES.
- FIXTURES WITH THE "NL" (NIGHT LIGHT) SYMBOL SHALL NOT BE CONNECTED TO THE SWITCH LEG AND SHALL REMAIN ALWAYS-ON.

**PROJECT INFORMATION**  
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**March 09, 2015**

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**REVISION SCHEDULE**

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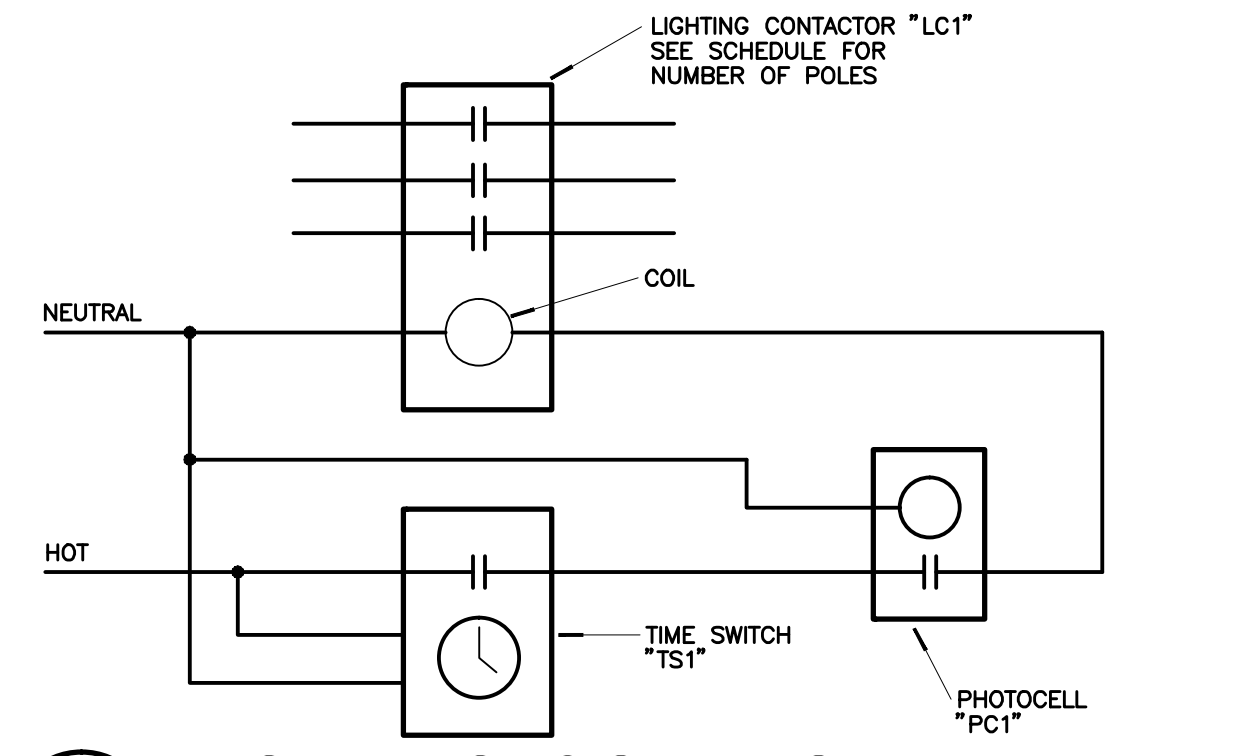
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 Contact Number: 913-322-1400 AR CAD Number: 1168

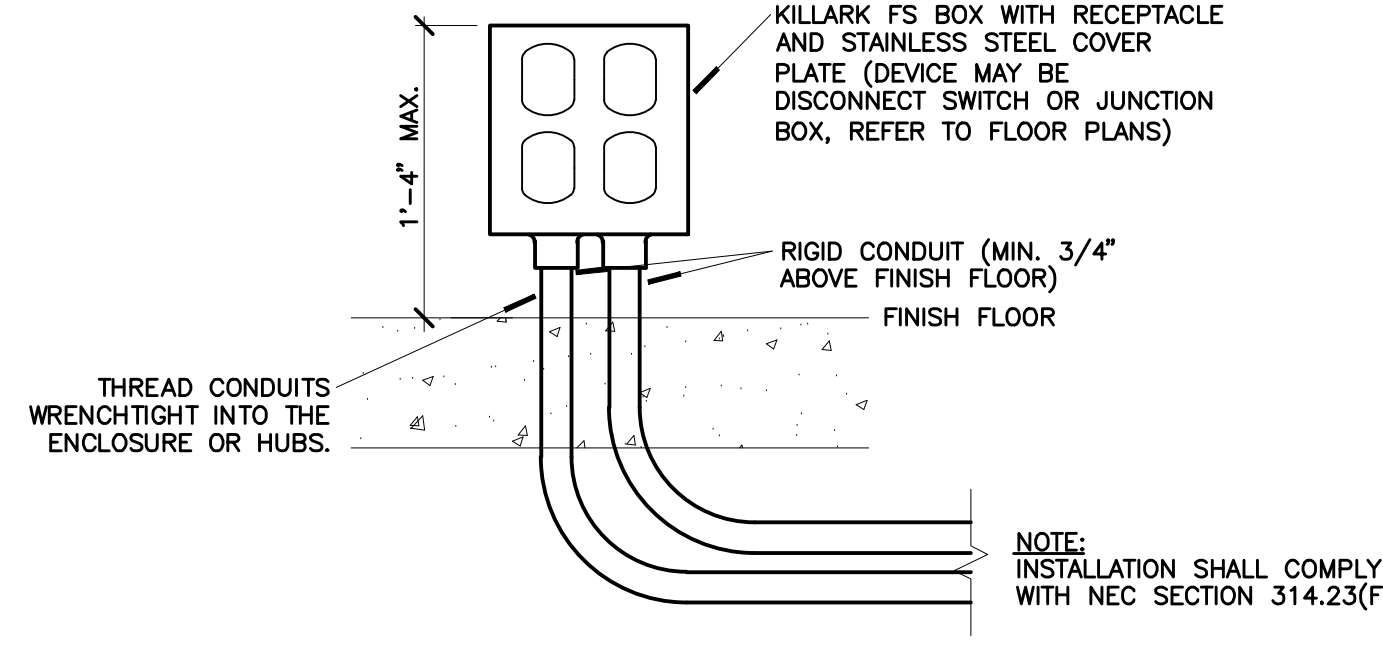
**SHEET ELECTRIC PLANS**

**E1**

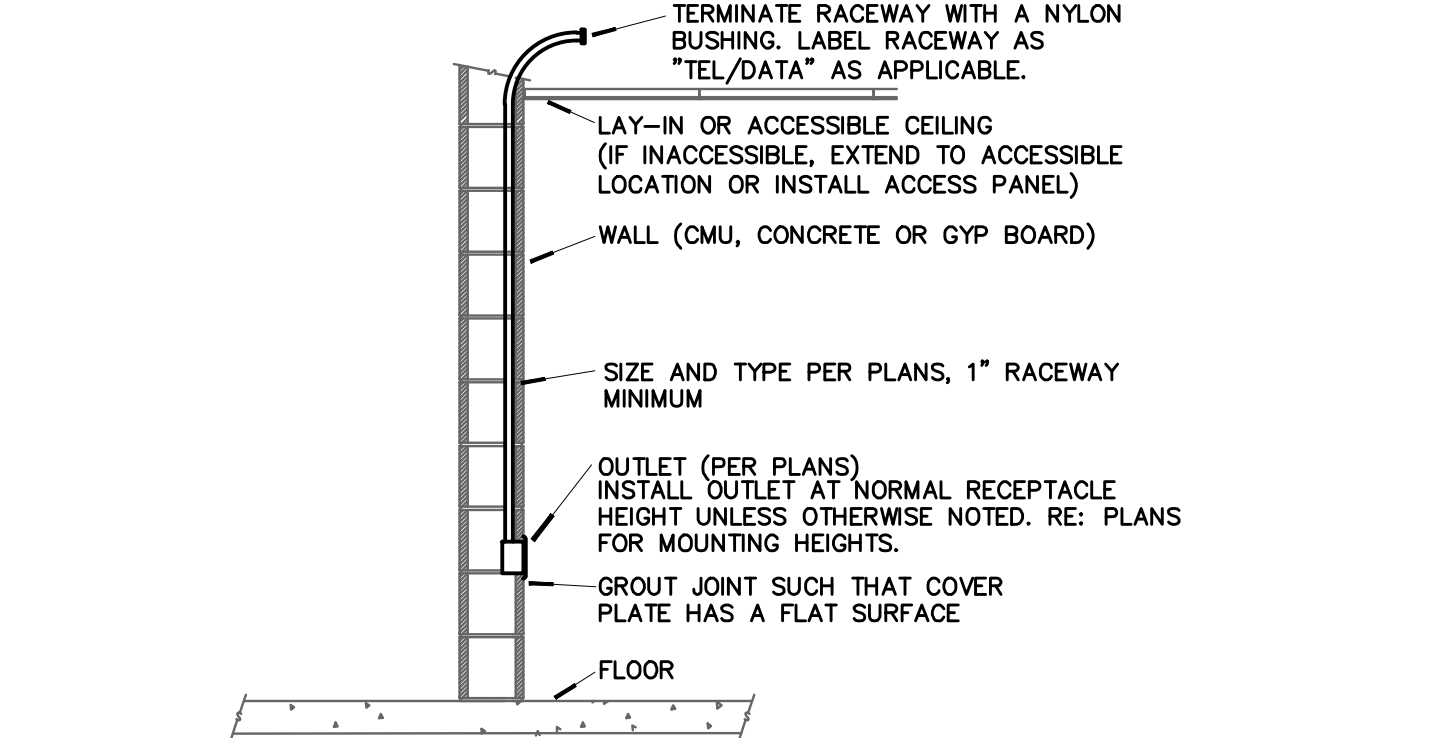




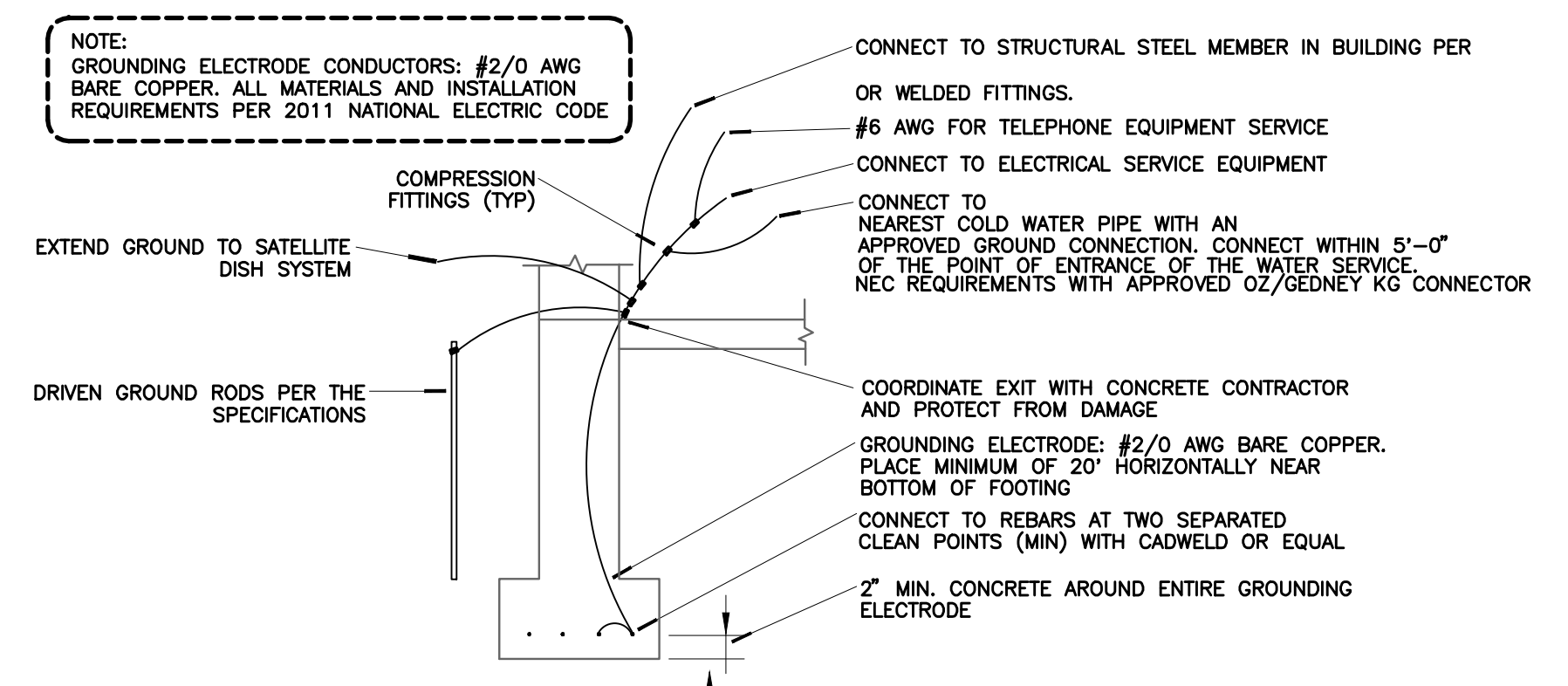
**7 LIGHTING CONTROL DETAIL**  
E2 NO SCALE



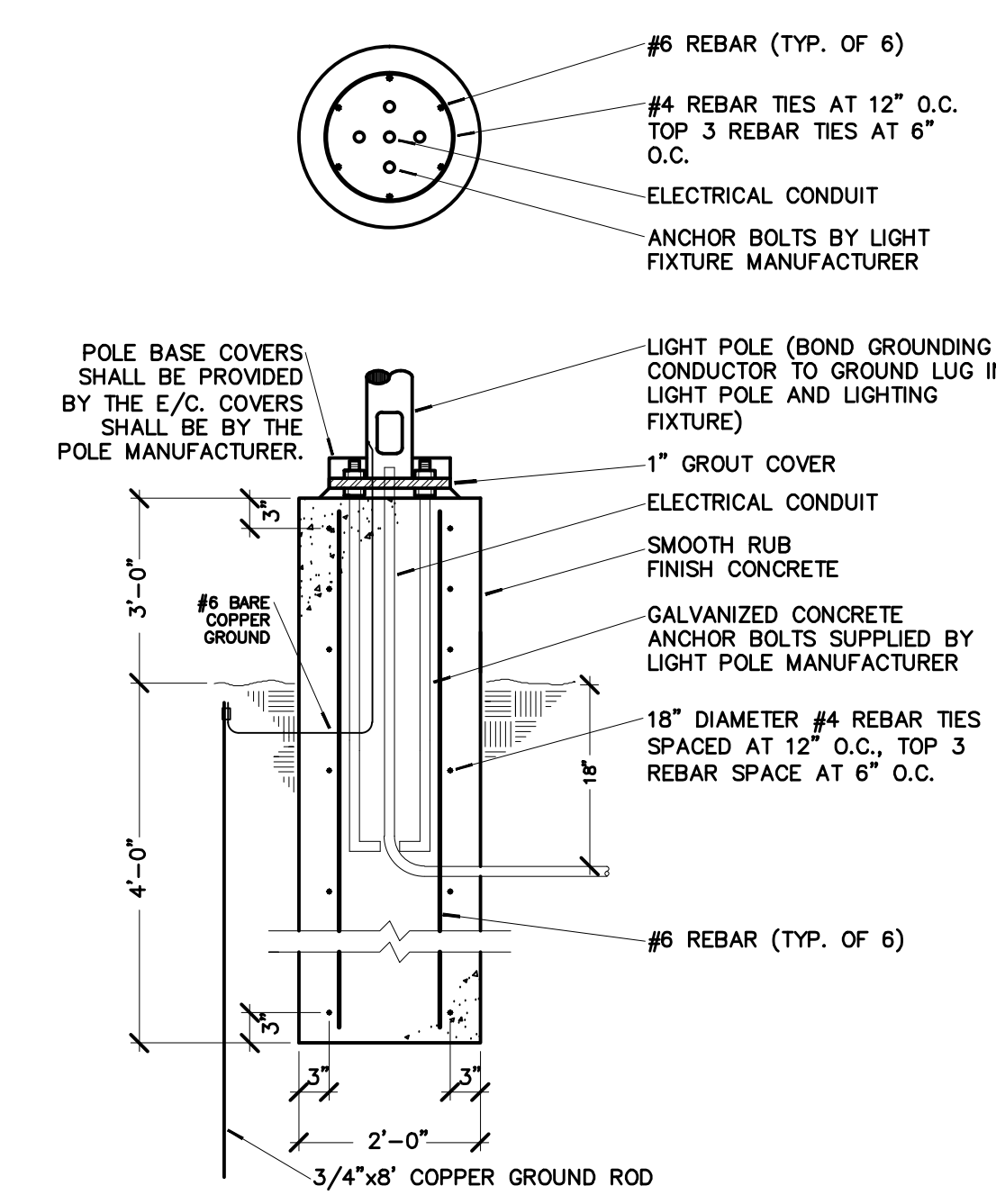
**3 KITCHEN STUB-UP DETAIL**  
E2 NO SCALE



**6 LOW VOLTAGE CONDUIT DETAIL**  
E2 NO SCALE



**5 GROUNDING ELECTRODE DETAIL**  
E2 NO SCALE



**2 LIGHT POLE BASE DETAIL**  
E2 NO SCALE

**DISCONNECT SWITCH SCHEDULE**

MARK	EQUIPMENT SERVED	LOAD			SWITCH		FUSE		ENCLOSURE NEMA TYPE	NOTES
		VOLTS	DUTY	AMPS	POLE	AMP	TYPE			
D51	DISH MACHINE	208	GD	60	2	50	FRN-R	NEMA 1	SN	
D52	CUSTARD MACHINE	208	GD	100	3	100	FRN-R	NEMA 1	SN	
D53	CUSTARD MACHINE	208	GD	100	3	100	FRN-R	NEMA 1	SN	
D54	ELECTRICAL UTILITY SERVICE	208	GD	600	3	600	FRN-R	NEMA 3R	SN, SR, OK	

ABBREVIATIONS:  
GD - GENERAL DUTY  
HD - HEAVY DUTY  
SN - SOLID NEUTRAL  
SR - SERVICE ENTRANCE RATED  
OK - GROUNDING LUG KIT

**ELECTRICAL EQUIP. CONNECTIONS**

ITEM	DESCRIPTION	AMPS	VOLTS	PH	CONN	MTG	AFF	NOTES
E1	CUSTARD MACHINE	80	208	3	JB	F	TBD	HWC
E2	DIPPING CABINET	7.8	120	1	DR	F	TBD	
E3	SODA DISPENSING SYSTEM	15	120	1	SR	W	TBD	
E6	WORKTOP FREEZER	1.6	120	1	SR	W	TBD	NEMA 5-15R/P
E7	FOOD PREP TABLE	8.6	120	1	SR	W	TBD	NEMA 5-15R/P
E8	WORKTOP FREEZER	1.6	120	1	SR	W	TBD	NEMA 5-15R/P
E10A	FUDGE SYRUP WARMER	4.2	120	1	DR	W	TBD	NEMA 5-15R/P
E10C	BLENDER	2.1	120	1	DR	W	TBD	
E10E	FUDGE SYRUP WARMER	4.2	120	1	DR	W	TBD	NEMA 5-15R/P
E10F	DRINK MIXER	11.4	120	1	SR	W	TBD	NEMA 5-15R/P
E10G	MILK DISPENSER	1.6	120	1	SR	W	TBD	
E11A	MICROWAVE	13.4	120	1	SR	W	TBD	NEMA 5-20R/P
E13	WORKTOP FREEZER	7.0	120	1	SR	W	TBD	NEMA 5-15R/P
E21	PASS-THRU FREEZER	7.0	120	1	SR	W	TBD	NEMA 5-15R/P
E24	ICE MACHINE	9.7	120	1	SR	W	TBD	
E26	DISH MACHINE	37.7	120/208	1	JB	W	TBD	HWC
E29	OVEN	27	208	1	SR	W	TBD	
E32	WASHER DRYER	15	120	1	SR	W	TBD	
E33	WALK-IN COOLER LIGHTING	1	120	1	JB	C	TBD	HWC
	WALK-IN COOLER EVAPORATOR	4.2	120	1	JB	C	TBD	HWC
	WALK-IN COOLER CONDENSER	7.2	208	1	JB	W	TBD	HWC
	WALK-IN FREEZER LIGHTING	1	120	1	JB	C	TBD	HWC
	WALK-IN FREEZER EVAPORATOR	4.2	120	1	JB	C	TBD	HWC
	WALK-IN FREEZER CONDENSER	7.2	208	1	JB	W	TBD	HWC

ABBREVIATIONS:  
DR = DUPLEX RECEPTACLE, SR = SIMPLEX RECEPTACLE, JB = J-BOX  
HWC = HARD WIRED CONNECTION COMPLETE BY CONTRACTOR  
W = WALL, C = CEILING, F = FLOOR, TBD = TO BE DETERMINED ON SITE BY OWNER AND EQUIPMENT SUPPLIER

NOTES:  
1) VERIFY ALL RECEPTACLE TYPES FOR CORD AND PLUG EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.  
2) VERIFY WALK-IN COOLER/FREEZER SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS PRIOR TO ROUGH-IN.  
3) ALL DIMENSIONS ARE TO FINISHED FLOOR OR WALL.  
4) VERIFY ALL EQUIPMENT LOCATION, ELECTRICAL REQUIREMENTS, AND ROUGH-IN ELEVATIONS WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.  
5) E/C IS RESPONSIBLE FOR THE FINAL CONNECTION(S) TO ALL EQUIPMENT.

**LIGHTING FIXTURE SCHEDULE**

MARK	MFG.	CATALOG #	MTG.	FINISH	LAMPS		EQUIVALENT	NOTES
					TYPE	CODE		
B	COLUMBIA	CH-128-EPU-PAF	SURF	WHITE	FL	T5HO, 29W, 5000K, CR1>80, ALTO	1	-
C	WILLIAMS	78-4-232-EB2-UNV	SURF	WHITE	FL	T8, 32W, 5000K, CR1>80, ALTO	2	L1, Co
WF08	PRUDENTIAL	P1220-215-02-WA-YOW-120-SUR-REM	SURF	WHITE	FL	T5HO, 24W, 5000K, CR1>80, ALTO	2	Eu, Lr
RH08	MAXILUME	H96-LED-2000L-120-50K-H96-6501	REC	WHITE	LED	2000 LUMENS, 50K, 85CRI	-	Cr, KV
RH12	ELITE	RL633-RL660-40K-WH	REC	WHITE	LED	INCLUDED W/ FIXTURE	-	Ju, KV
RF14	ORACLE	24-OT-33278-1-HBF-A12	REC	WHITE	FL	T8, 32W, 5000K, CR1>80, ALTO	3	L1, Co
FF1	DAY-BRITE	FSS-40W-L-U-MIP	SURF	-	LED	2300 LUMENS, 4100K	-	-
ARM1	DAY-BRITE	BIS-050-M-XX-NAT-008 WITH BLG2 GOOSENECK MOUNT	SURF	BY ARCH.	MH	50W, COATED	1	-
EF11	DAY-BRITE	FSS-40W-L-U-MIP-PEC-MT	SURF	BY ARCH.	LED	4700K	-	-
X	EVEN LITE	TLECOM-R-U-W (EXIT/EMERG COMBO)	SURF	WHITE	LED	INCL W/ FIXTURE	-	Cp, W1
X2	EVEN LITE	TLECOM-R-U-W-PRWLED (EXIT/EMERG COMBO WITH REMOTE)	SURF	RED/WHITE	LED	INCL W/ FIXTURE	-	Cp, W1
X3	EVEN LITE	TML-EM-R-U-W	SURF	RED/WHITE	LED	INCL W/ FIXTURE	-	Cp, W1
EM	EVEN LITE	WLEM-B2-CT (COLD TEMP -20 DEG C)	SURF	BRONZE	LED	500 LUMEN MINIMUM	-	Cp, W1
S1	GARCO	ECF-215-551A-3233-CH-UNV (ON 12' SQUARE STEEL POLE)	POLE	BY ARCH.	LED	55W, 5700K, 6435 LUMENS	-	Sp, K1M, MG
S2	GARCO	ECF-315-751A-4853-NM-UNV (ON 12' SQUARE STEEL POLE)	POLE	BY ARCH.	LED	79W, 5700K, 8775 LUMENS	-	Sp, K1M, MG
S3	GARCO	ECF-315-751A-4853-NM-UNV (ON 15' SQUARE STEEL POLE)	POLE	BY ARCH.	LED	79W, 5700K, 8775 LUMENS	-	Sp, K1M, MG
S4	GARCO	ECF-415-1001A-6433-NM-UNV (ON 12' SQUARE STEEL POLE)	POLE	BY ARCH.	LED	100W, 5700K, 11700 LUMENS	-	Sp, K1M, MG

ABBREVIATIONS:  
GE - GENERAL ELEC  
GU - GUTH  
HO - HOLLO  
HO - HOLOPHANE  
BL - BARE LIGHT  
OP - OPERATOR  
CL - COLUMBIA  
CL - COMPASS  
CP - CREE  
CH - CHROME-HINDS  
D4 - DEVINE  
DL - DUAL  
EP - EDISON PRICE  
EL - EMERGI-LITE  
EU - EUREKA  
FS - FAIL-SAFE  
LC - LI TECH CONTROL  
LE - LEVITON  
LI - LITHONIAK  
LL - LONG LIGHTS  
LN - LINEAR LIGHTING  
LP - LONG LIFE  
LU - LUMARK  
LU - LUMAX  
IN - INDIAN  
IS - INSTANT  
JUN - JUNO  
KE - KENALL  
KIM - KIM  
KV - KURT VERSEN  
LW - LUM  
LO - LIGHTALARM  
P9 - PROGRESS  
PR - PRESCOLITE  
PT - PASS & SEYMOUR  
LI - LITHONIAK  
RO - ROBERTS  
SI - STAFF  
SP - SPALDING  
SP - SPALDING  
SP - SPALDING  
SL - SURE-LITES  
SV - STEVIAN  
TMS - TMS LIGHTING  
TI - TIVOL  
WI - WILLIAMS  
MTG - MOUNTING  
REC - RECESSED  
SURF - SURFACE  
GRD - GRID  
CABL - CABLE  
MFG - MANUFACTURER  
QTY - QUANTITY  
FLR - FLUORESCENT  
INC - INCANDESCENT  
HID - HIGH INTENSITY DISCHARGE  
UNIV - UNIVERSAL  
COMPACT - COMPACT FLUORESCENT  
MI - METAL HALIDE

NOTES:  
1) NOT USED

GENERAL NOTES:  
\* VERIFY ALL LIGHTING FIXTURES WITH LIGHTING COORDINATOR RON CHAMP.

Drawn By: TREVOR KARSTENS Project Number: 11136  
Contact Number: 913-322-1400 AR CAD Number: 1163

**NOTES:**

- BRANCH CIRCUIT & FEEDER SCHEDULE:**
- 4 - #3/0 AND 1 - #6 GROUND IN 2" CONDUIT.
  - 4 - 350 MCM IN EACH OF TWO 3" CONDUITS, COORDINATE WEATHERHEAD REQUIREMENTS WITH UTILITY.
  - #2/0 COPPER GROUNDING ELECTRODE.
  - 4 - 350 MCM AND 1 - #1 GROUND IN EACH OF TWO 3" CONDUITS.

**PROJECT INFORMATION**  
**Andy's Custard - Conway Arkansas**  
2375 Dave Ward Drive, AR 72034

**ISSUE**  
**Bid Set**

**March 09, 2015**

**ARCHITECT**  
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**Crafton Tull**  
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Russellville, AR 72812  
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**STRUCTURAL ENGINEER:**  
**Mettemeyer Engineering, Inc.**  
2101 W. Chesterfield Blvd., B-105,  
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**M.E.P. ENGINEER:**  
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3333 E. Battlefield Road, Suite 1000  
Springfield, MO 65804  
Attn: Trevor Karstens  
P: 913-322-1400 / www.mfec.com

**NOTES:**

**REVISION SCHEDULE**

NO.	DATE	ISSUE

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