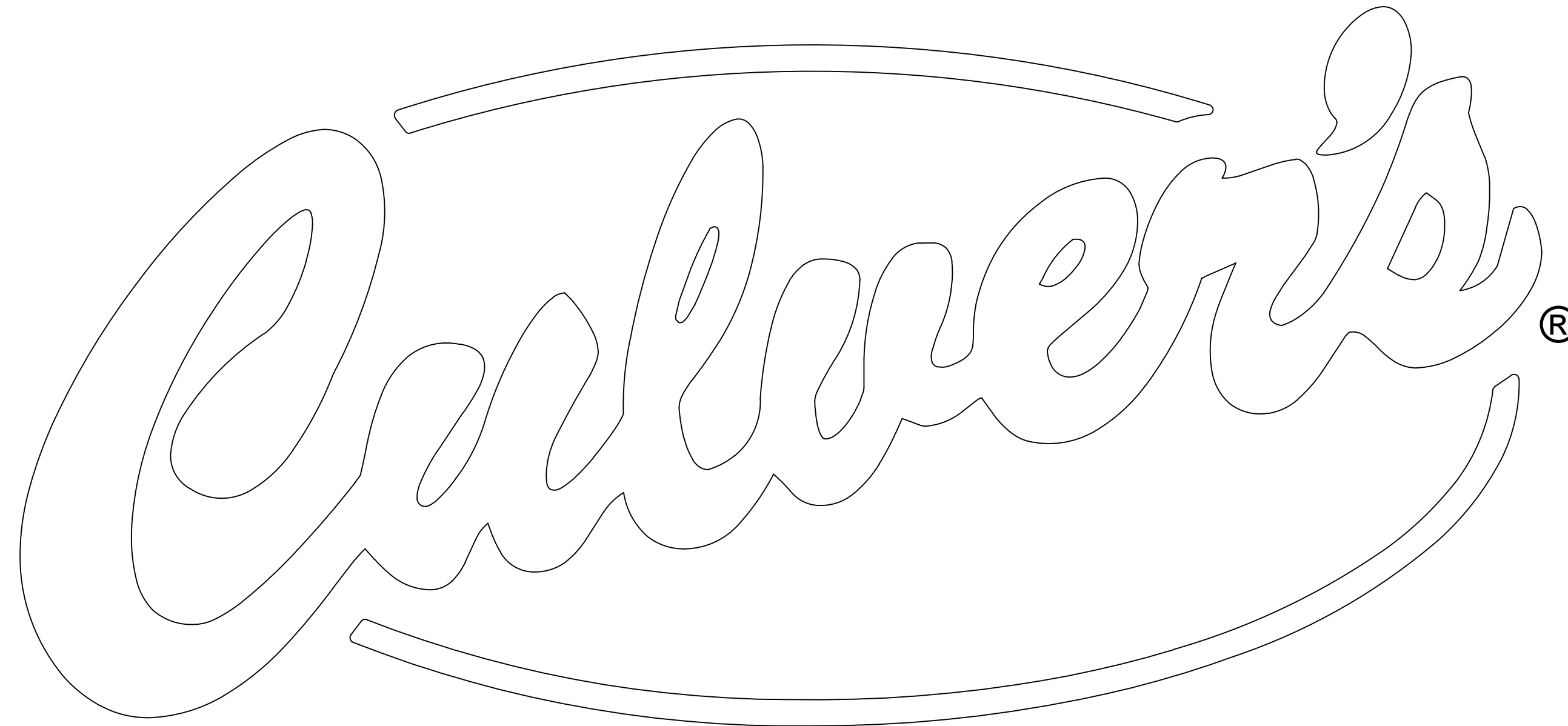


Culver's Restaurant Re-Image

840 W SUNSET DRIVE

Waukesha



Wisconsin

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL
SERVICES
DIVISION OF INDUSTRY SERVICES
Randall P. Dahmen

SEE CORRESPONDENCE
Transaction 2662586
Addition/Alteration
Bldg & HVAC
February 24, 2016

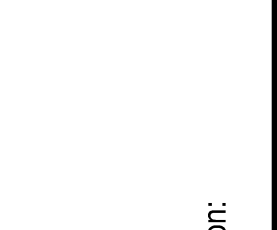
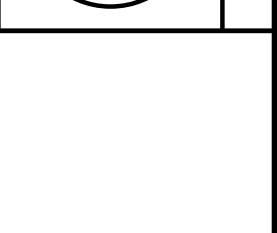
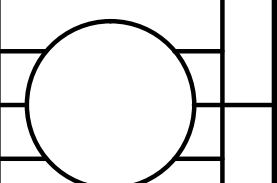
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CULVER'S RESTAURANT RE-IMAGE
840 W Sunset Drive
Waukesha, WI 53189
County of WAUKESHA

Culver's
Culver Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
608-643-7980

OWNER:
BERES FOODS, LLC
1650 E Main St.
Waukesha, WI 53186
Gary Beres 414-640-7533
Jill Beres 262-443-1989

OWNER:
ERNEST MARTIN ARCHITECTS
509 South State Street
Bellevue Illinois 61008
815-544-7790 Phone
815-544-7792 Fax



TITLE SHEET

Revision:

Date: 2-5-2016

2015-093

T101

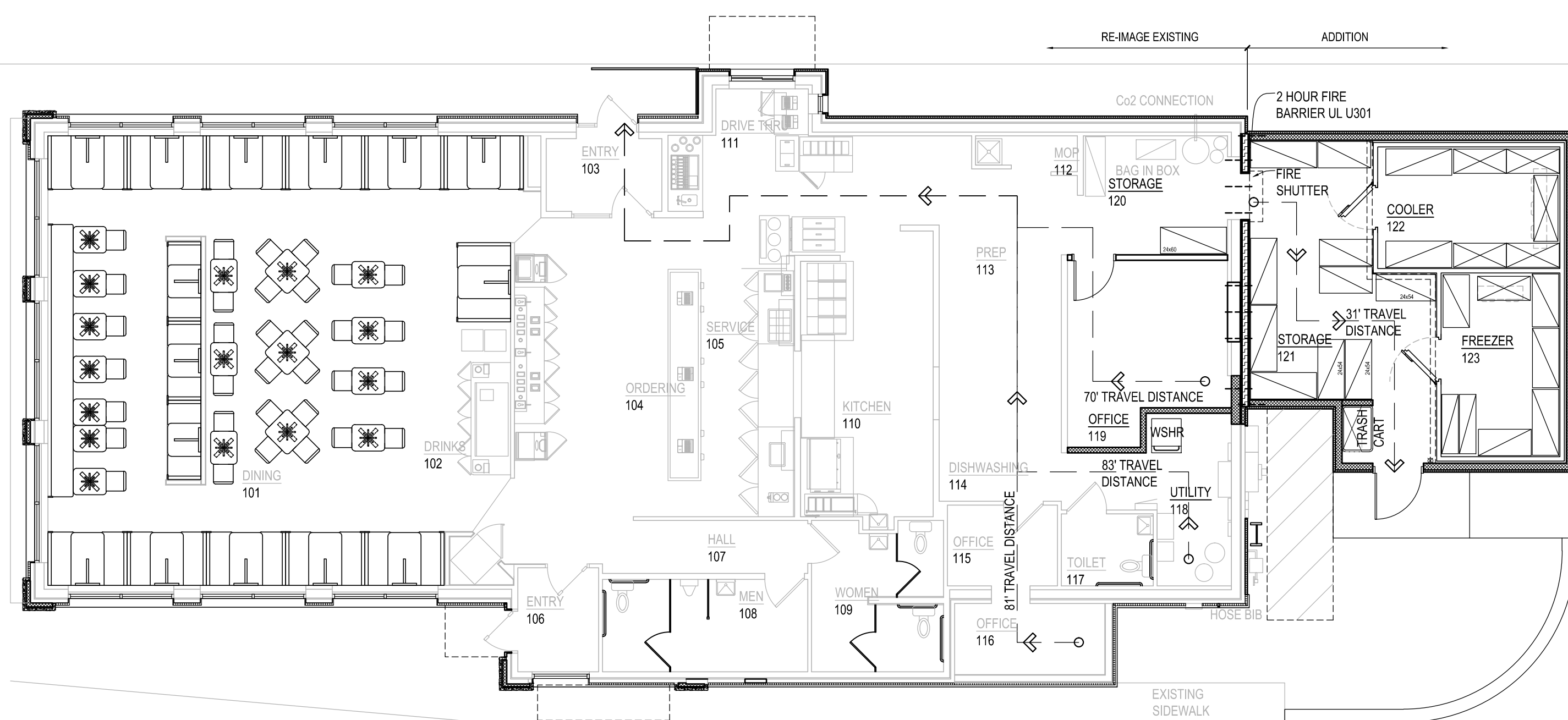
CODE ANALYSIS

CODE REVIEW BASED ON WISCONSIN BUILDING CODE (INTERNATIONAL BUILDING CODE, 2009)

LIFE SAFETY DATA	REFERENCE
BUILDING USE GROUP	A-2 IBC sec. 303.1
CONSTRUCTION TYPE	SB (Combust-Unprotected) IBC sec. 602.5
BUILDING HEIGHT	IBC sec. 503
ALLOWABLE EAVE HEIGHT	1 story, 40'
PROPOSED EAVE HEIGHT	1 story, 41'-8 1/2"
BUILDING AREA	IBC sec. 503
ALLOWABLE AREA	6,000 SF
INCREASE - FRONTAGE, 100% open perimeter	4,500 SF IBC 506.2
INCREASE - SPRINKLER SYSTEM	na IBC 506.3
TOTAL ALLOWABLE AREA	10,500 SF
EXISTING AREA	3,977 SF
DEMO AREA	287 SF
ADDITION	613 SF
TOTAL PROPOSED BUILDING AREA	4,363 SF
FIRE SUPPRESSION	Bldg is not sprinklered
REQUIRED PROTECTION OF BUILDING ELEMENTS	IBC sec. 601
Structural Frame	0 HR
Sealing Walls	0 HR
Nonbearing Walls and Partitions-Interior	0 HR
Floor Construction	0 HR
Roof Construction	0 HR
EXTERIOR WALL FIRE RESISTANCE RATING	IBC sec. 602
Fire Separation Distance > 30'	0 HR
CONCEALED SPACES NO SPRINKLERS	IBC 717.4.3
Airic Draftstopping	NA
INTERIOR FINISH REQUIREMENTS NO SPRINKLERS	IBC sec. 803.9
Vertical Exits and Exit Passageways	A
Exit Access Corridors, Exit Ways	A
Rooms and Enclosed Spaces, 300 or Greater Occupants	B
MINIMUM ROOF COVERING CLASSIFICATION	Class C IBC sec. 1505.1

ADOPTED AND EFFECTIVE BUILDING CODES

INTERNATIONAL BUILDING CODE, 2009 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION
INTERNATIONAL MECHANICAL CODE, 2009 EDITION
INTERNATIONAL FUEL GAS CODE, 2009 EDITION
INTERNATIONAL EXISTING BUILDING CODE, 2009 EDITION
ACCESSIBILITY AND USABILITY CODE - ANSI A117.1, 2007 EDITION
INTERNATIONAL PLUMBING CODE, 2009 EDITION
NATIONAL ELECTRICAL CODE, 2008 EDITION



H5 LOCATION MAP

SHEET INDEX

ARCHITECTURAL & STRUCTURAL

MECHANICAL, ELECTRICAL & PLUMBING

- T101 TITLE SHEET
- S101 FOUNDATION PLANS & DETAILS
- S102 FRAMING PLAN & DETAILS
- A100 DEMOLITION PLANS
- A101 FLOOR PLAN
- A102 REFLECTED CEILING PLAN
- A103 FINISH PLAN
- A104 ROOF PLAN
- A201 EXTERIOR ELEVATIONS
- A202 BUILDING ELEVATIONS & SECTIONS
- A401 WALL SECTIONS & DETAILS

- M100 HVAC DEMOLITION PLAN
- M101 MECHANICAL PLANS
- M201 MECHANICAL SCHEDULES & DETAILS
- E100 ELECTRICAL DEMOLITION PLANS
- E101 LIGHTING PLAN
- E102 POWER & COMMUNICATIONS PLAN
- E103 KITCHEN & ROOF POWER PLAN

FOOD SERVICE FOR REFERENCE ONLY

FS-1 FOOD SERVICE PLAN

GENERAL NOTES

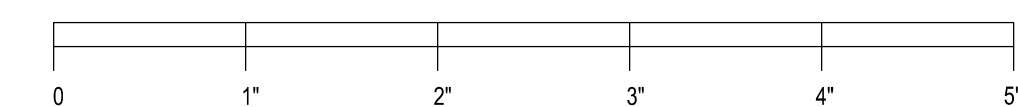
THESE PLANS AND THE DESIGN THEY REPRESENT ARE THE PROPERTY OF CULVER FRANCHISING SYSTEM, INC. NO PART OF THESE PLANS MAY BE COPIED OR DUPLICATED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM CULVER FRANCHISING SYSTEM, INC. PERMISSION TO USE THESE PLANS IS GRANTED TO APPROVED FRANCHISEES AND THEIR ARCHITECT/ENGINEER FOR PROJECTS APPROVED AND AUTHORIZED BY CULVER FRANCHISING.

ALL CHANGES TO THESE PLANS MUST BE APPROVED BY CULVER FRANCHISING SYSTEM, INC.

THE ARCHITECT DOES NOT SUPERVISE, WILL NOT BE RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS.

ALL CONTRACTORS SHALL BE RESPONSIBLE FOR WORK COMPLYING WITH LOCAL CODES.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE. CONTACT ARCHITECT IF DISCREPANCIES OCCUR.



GENERAL STRUCTURAL NOTES

FOUNDATIONS

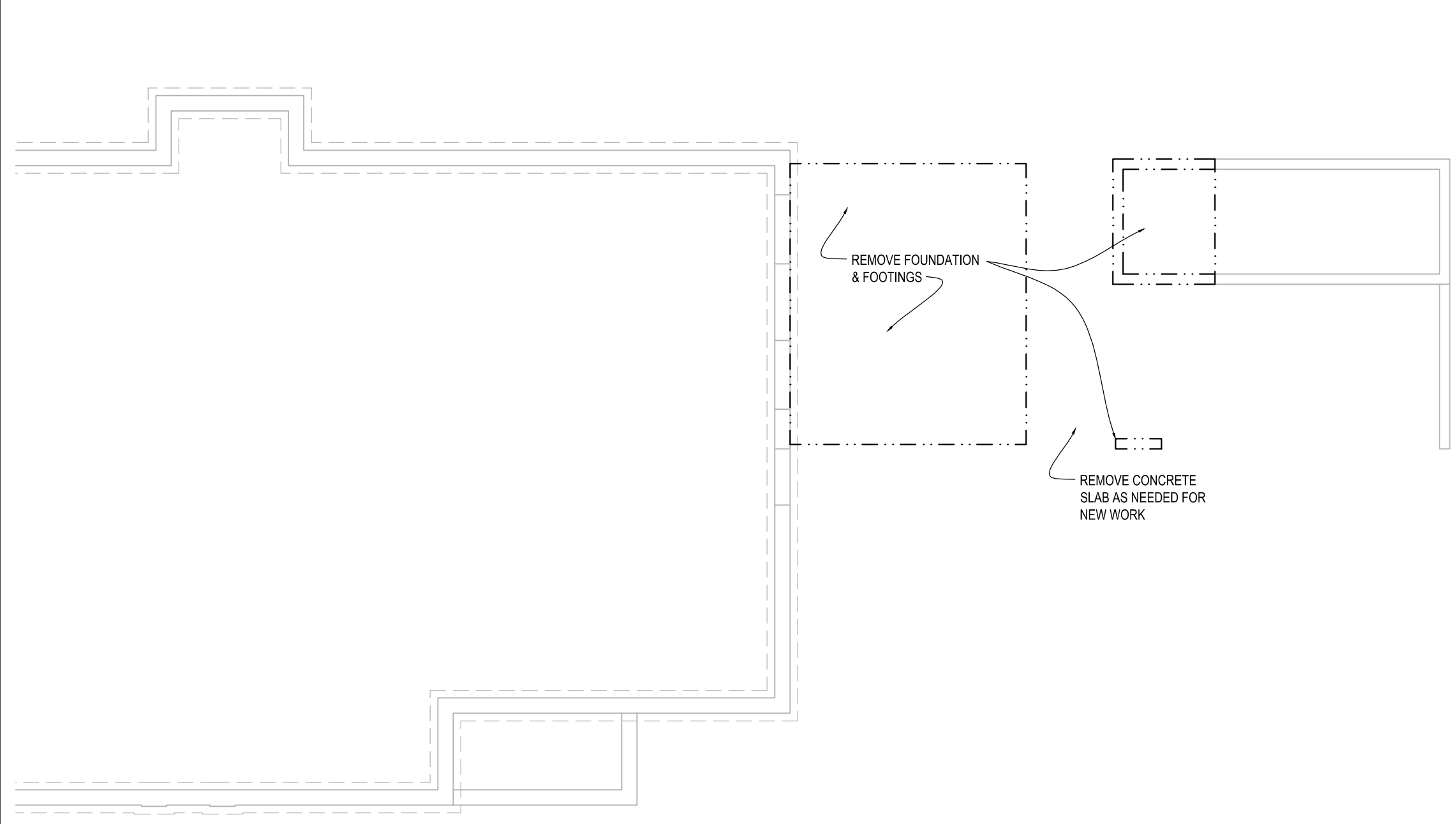
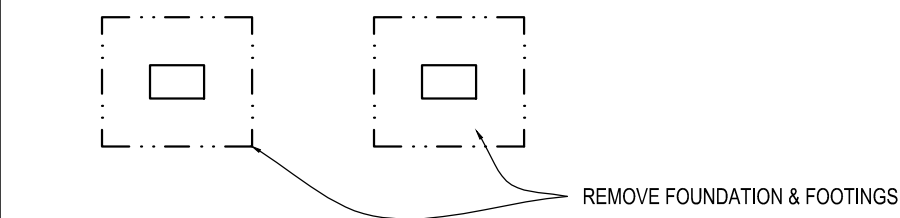
1. THE FOUNDATION DESIGN IS BASED ON THE SOIL BEARING CAPACITY OF 1,500 PSF.
2. ALL FOOTINGS SHALL BEAR ON, STIFF TO VERY STIFF CONSISTENCY CLAY SOILS, LOOSE TO DENSE SAND SOILS, OR NEW FILL WHICH IS COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS LISTED IN THE GEOTECHNICAL ENGINEERING REPORT AND EXTEND TO SUITABLE NATIVE SOIL OF 1,500 POUNDS PER SQUARE FOOT BEARING CAPACITY.
3. NO CONCRETE SHALL BE POURED IN EXCAVATIONS CONTAINING WATER.
4. VERIFY LOCATIONS OF REQUIRED SLEEVES AND/OR BLOCKOUTS THROUGH FOUNDATION WALL WITH GENERAL CONTRACTOR AND ALL OTHER TRADES PRIOR TO CONSTRUCTION.
5. CONCRETE CONTRACTOR SHALL NOT POUR ANY CONCRETE IN ADVERSE WEATHER CONDITIONS OR WHEN SUCH CONDITIONS ARE FORECASTED FOR FOR THE TIME PERIOD FOLLOWING THE POUR, UNLESS PROPER CURING AND PROTECTION IS PROVIDED CONTINUOUSLY UNTIL CONCRETE DEVELOPS ITS DESIGN STRENGTH.
6. NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION. THIS INCLUDES PUMPING THRU ALUMINUM PIPE.
7. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED & CERTIFIED BY A QUALIFIED SOILS ENGINEER.

CONCRETE

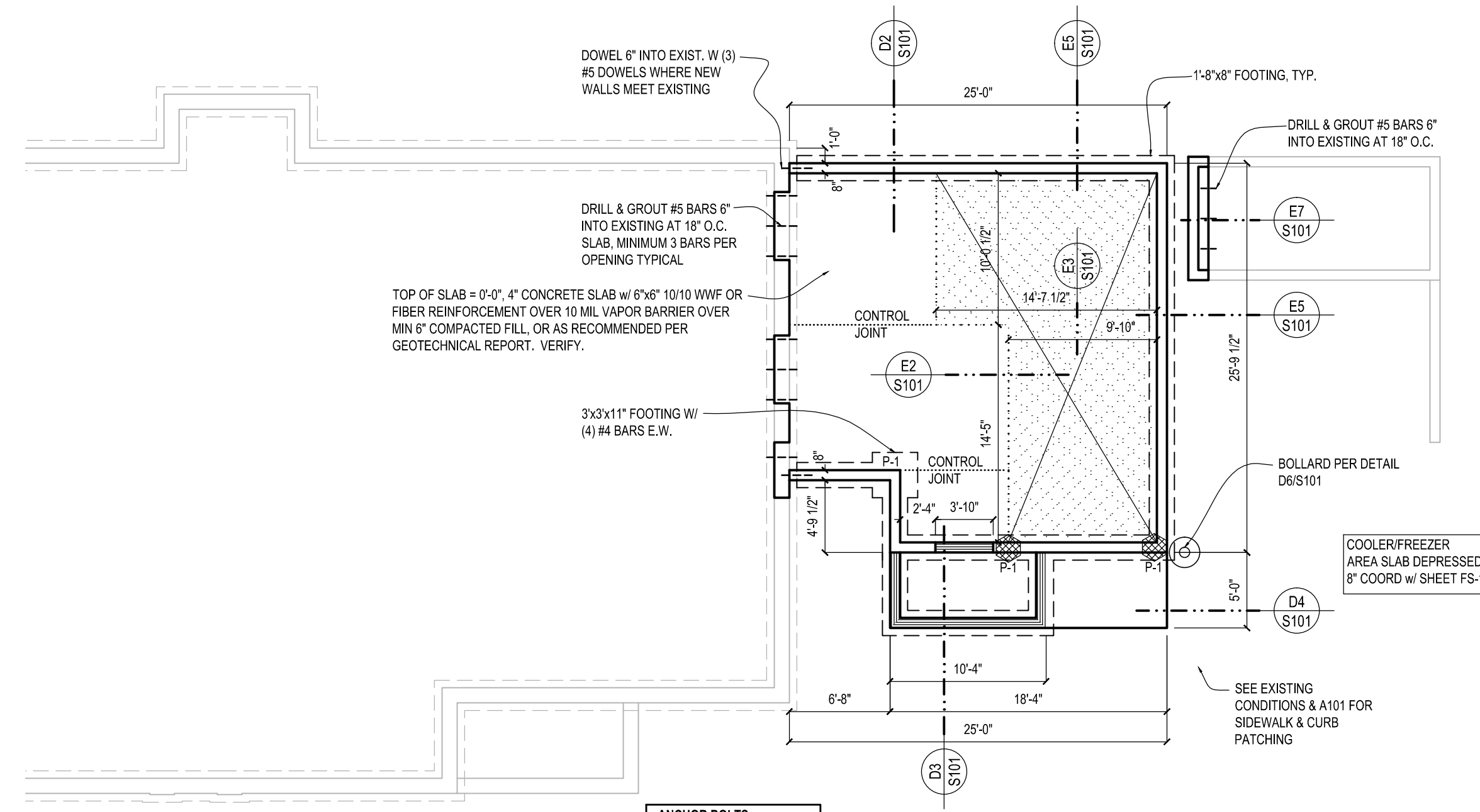
1. MATERIAL & WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318.
2. CONCRETE FOR FOOTINGS & FOUNDATIONS SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 POUNDS PER SQUARE INCH AT 28 DAYS. CONCRETE FOR SLABS ON GRADE & SIDEWALKS SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3500 POUNDS PER SQUARE INCH AT 28 DAYS.
3. AIR-ENTRAINING ADMIXTURE SHALL BE USED FOR ALL CONCRETE EXPOSED TO WEATHER.
4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, CURBS, FLOOR FINISHES, INSERTS AND OTHER EMBEDDED ITEMS. VERIFY SIZES AND LOCATION OF ALL OPENINGS IN CONCRETE PRIOR TO FORMING.
5. ALL SLABS ON GRADE SHALL BE REINFORCED w/ WELDED WIRE MESH (WWM OR WWF) OR FIBER REINFORCEMENT PER FOUNDATION PLAN. SEE FOUNDATION PLANS FOR AREA, POURING UNIT IS AT THE DISCRETION OF THE CONTRACTOR. SAW CUT CONTROL JOINTS AS SOON AS POSSIBLE OR WITHIN 12 HOURS MAX. OF PLACING CONCRETE.
6. ALL INTERIOR SLABS ON GRADE SHALL BE PLACED ON A MIN 6 INCH THICK FREE-DRAINING GRANULAR BLANKET. PROVIDE VAPOR BARRIER ABOVE THIS DRAINAGE COURSE.
7. UNLESS OTHERWISE NOTED, PRINCIPAL REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION:
 - a. SURFACES NOT FORMED.....3 inch
 - b. FORMED SURFACES IN CONTACT WITH SOIL OR WATER OR EXPOSED TO WEATHER.....2 inch
 - c. SLABS, WALLS, JOISTS......3/4 inch

REINFORCING STEEL

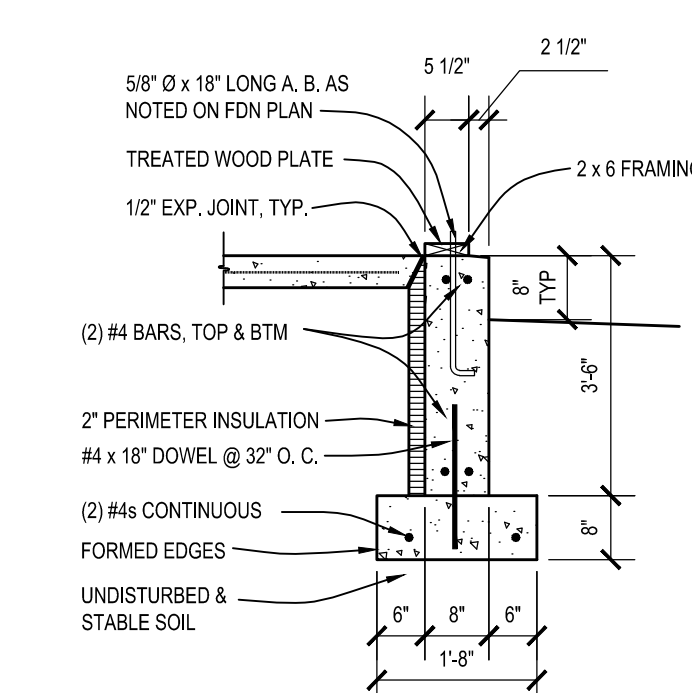
1. BAR BENDING & PLACEMENT DTLS SHALL BE IN ACCORDANCE w/ THE "ACI DETAILING MANUAL, SP-08", ACI 315, UNLESS OTHERWISE SHOWN OR NOTED.
2. ALL REINFORCING STEEL SHALL BE "DEFORMED NEW BILLET STEEL BARS", ASTM A615 PLUS ASTM A615 (S1), GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATIONS ASTM A1064, PLAIN BAR.
4. ALL LAPS FOR REBAR, WHEN NOT DIMENSIONED ON DRAWINGS, SHALL BE 40 BAR DIAMETERS. LAPS FOR WELDED WIRE FABRIC SHALL BE 8" FOR 4" CROSS BAR SPACING & 10" FOR 6" CROSS BAR SPACING. AT ALL WALL CORNERS AND WALL INTERSECTIONS PROVIDE BARS TO MATCH ALL HORIZONTAL REINFORCING, OVERLAP 2'-0" MINIMUM.



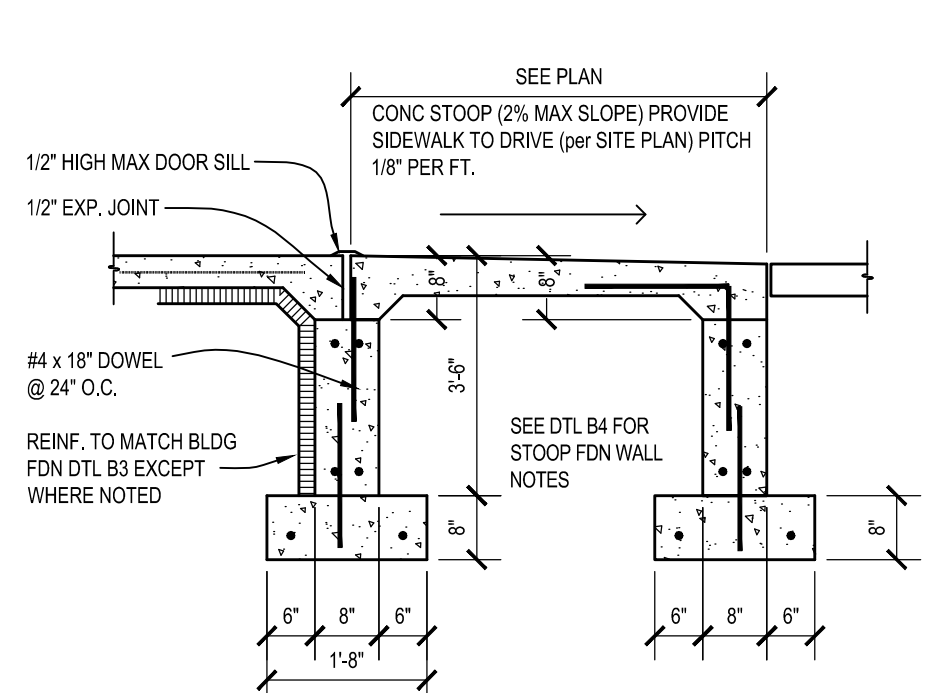
B4 DEMOLITION FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



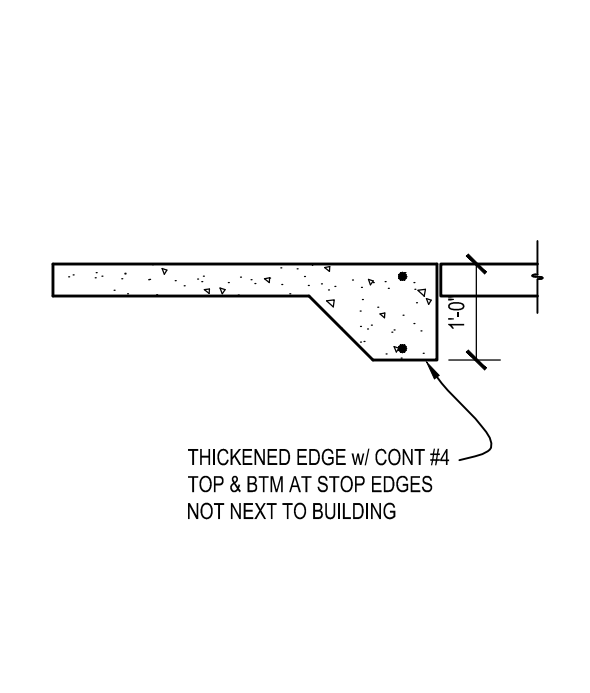
B7 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



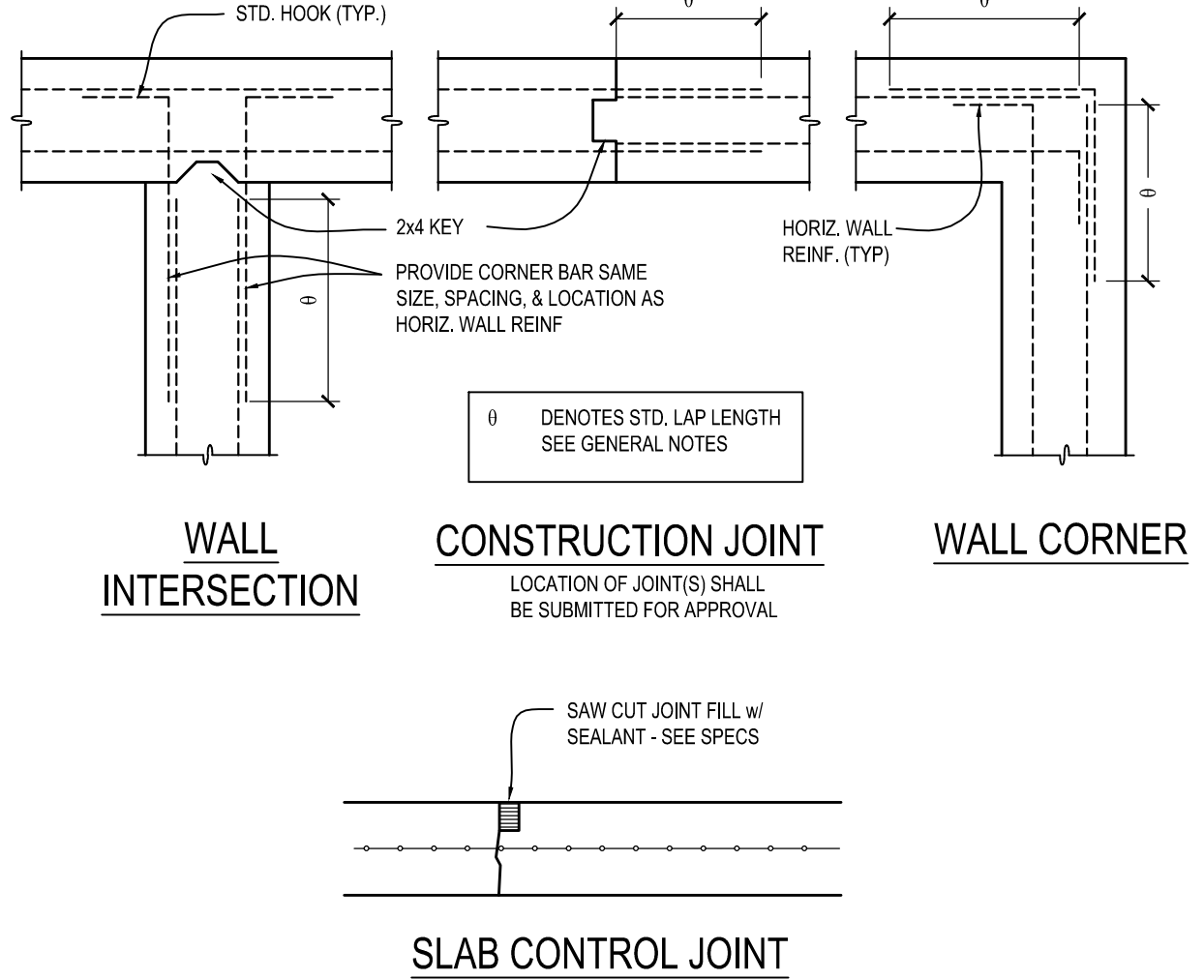
D2 FDN DETAIL
SCALE: 1/2" = 1'-0"



D3 FDN DETAIL
SCALE: 1/2" = 1'-0"



D4 FDN DETAIL
SCALE: 1/2" = 1'-0"

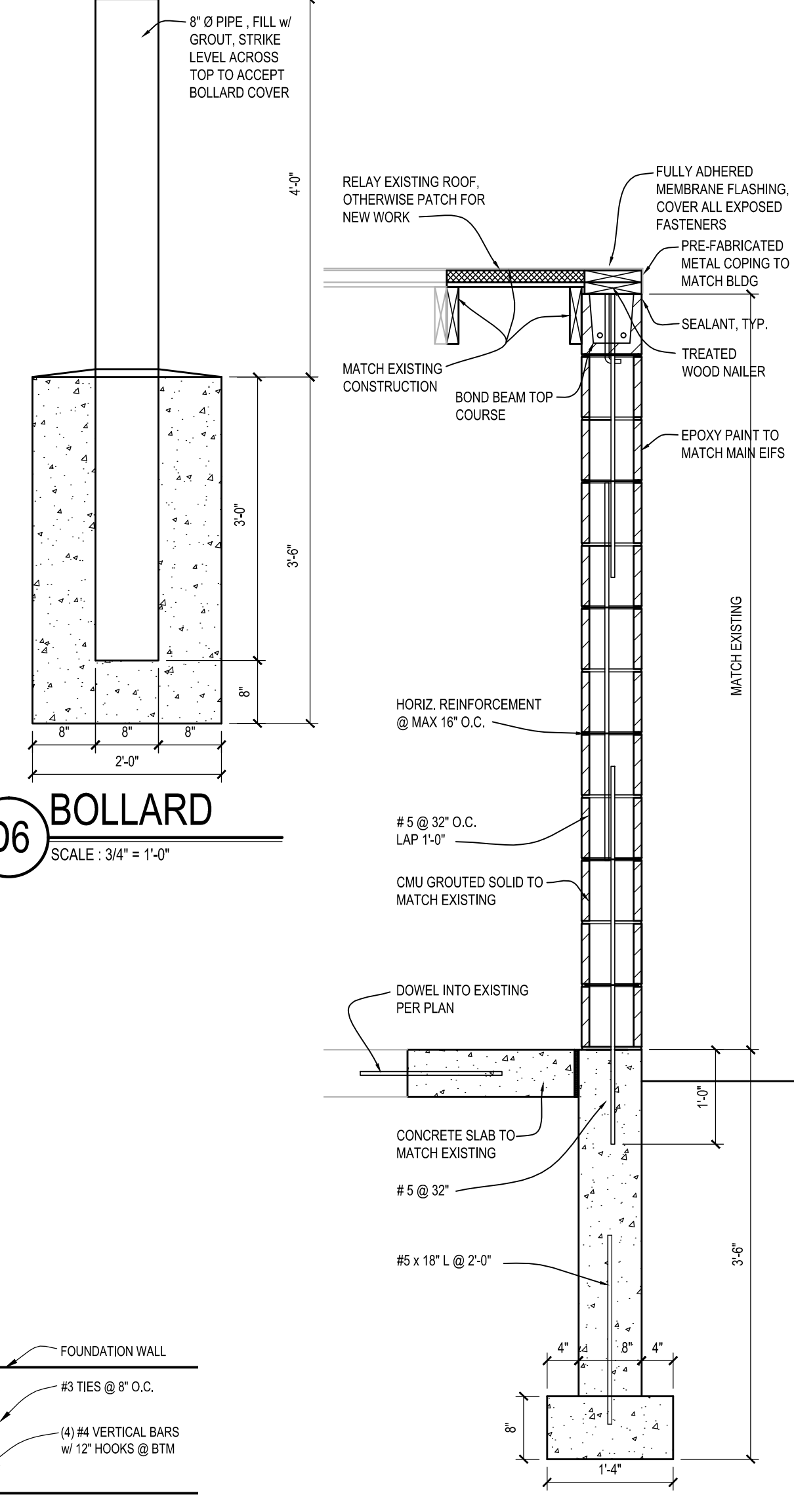


WALL INTERSECTION

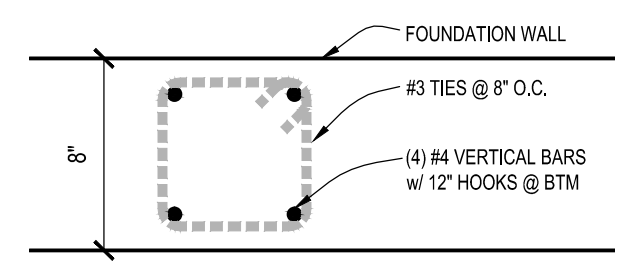
CONSTRUCTION JOINT

WALL CORNER

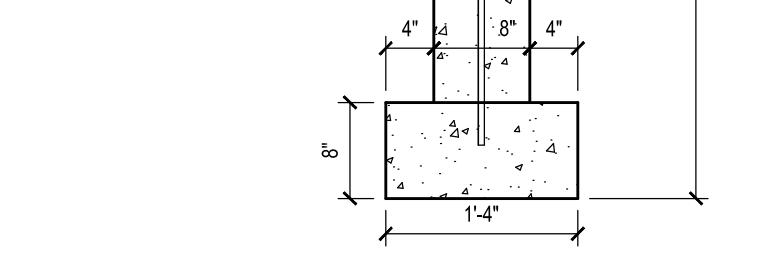
SLAB CONTROL JOINT



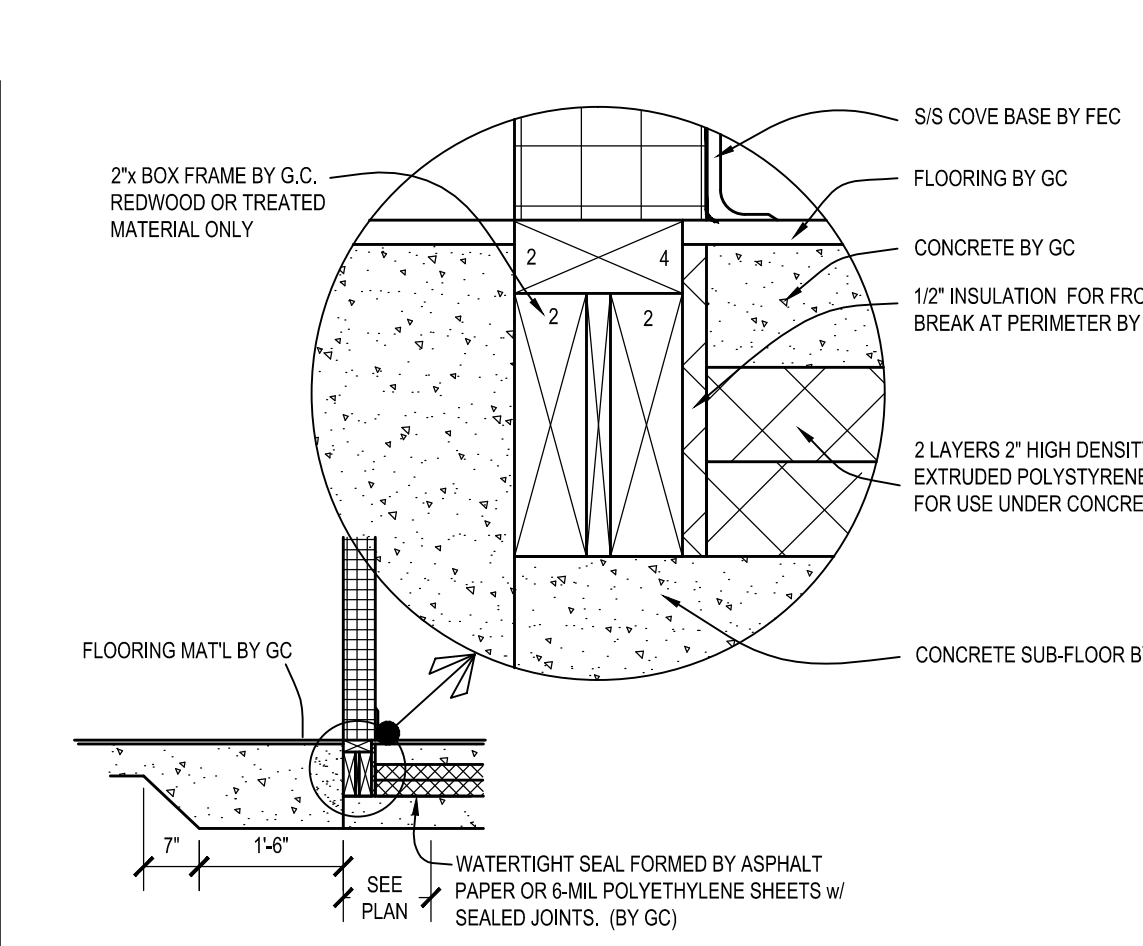
D6 BOLLARD
SCALE: 3/4" = 1'-0"



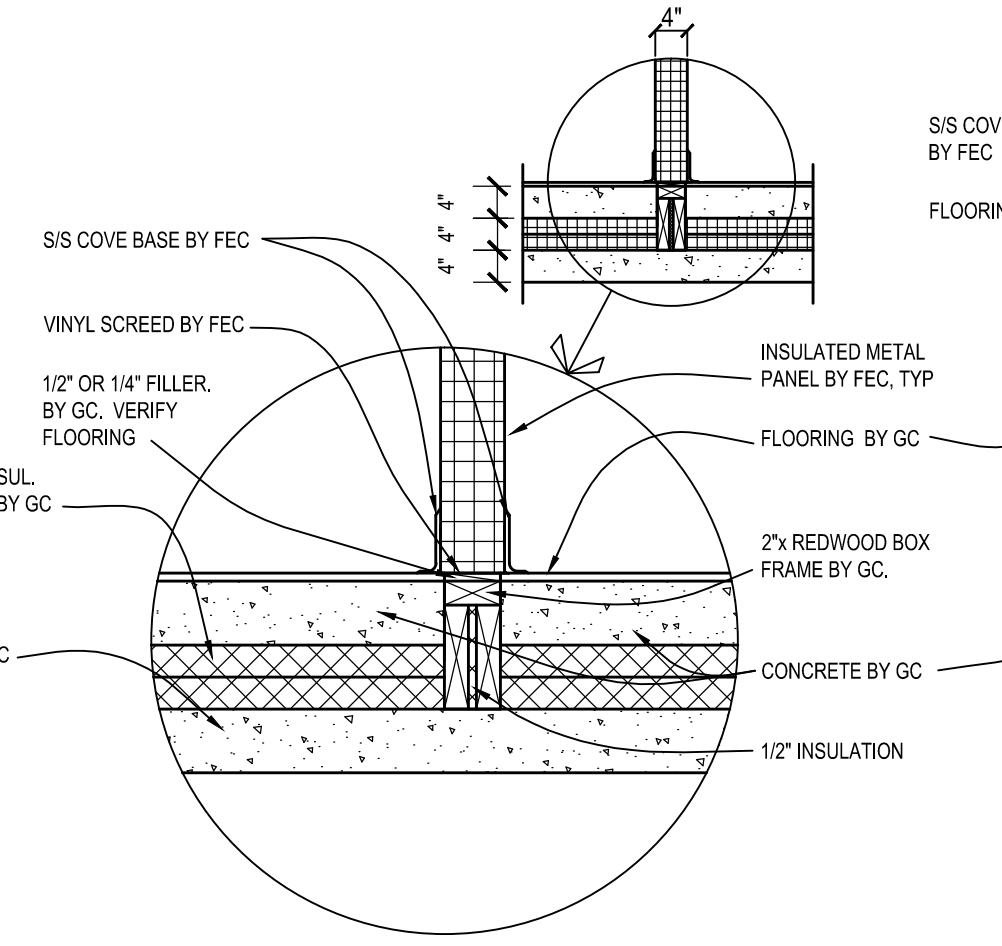
E6 TYPICAL P-1
SCALE: 1 1/2" = 1'-0"



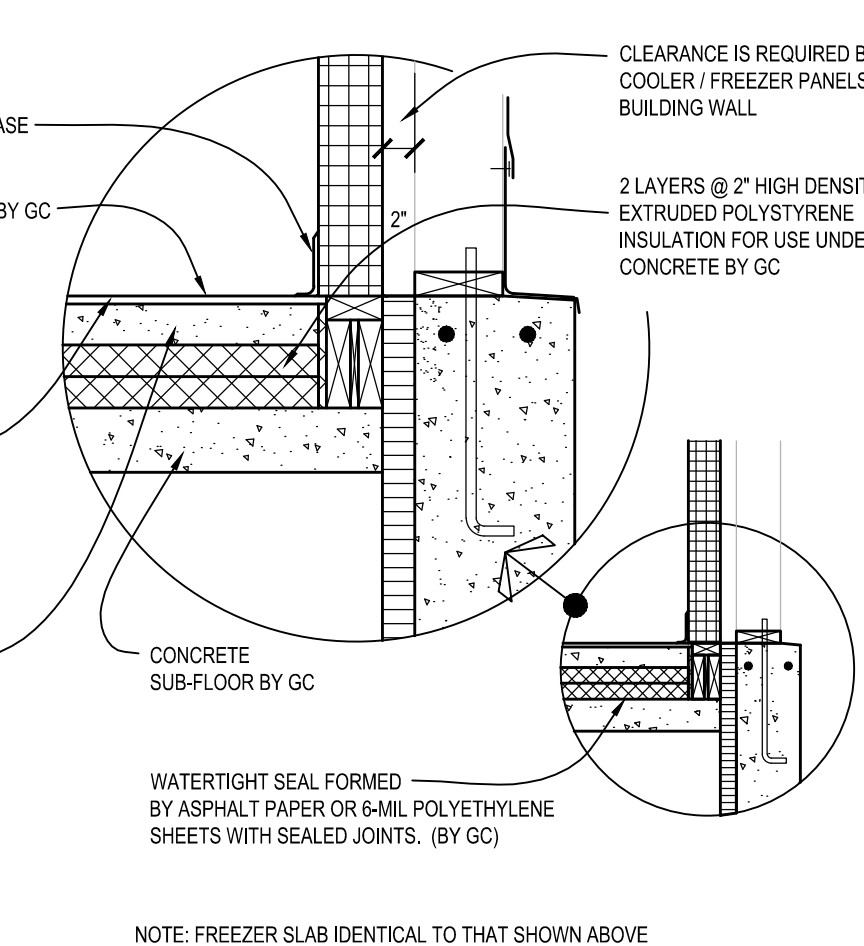
E7 WALL SECTION
SCALE: 3/4" = 1'-0"



E2 DET. - COOLER SLAB
SCALE: 1/2" = 1'-0"



E3 DET. - COOLER-FREEZER
SCALE: 1/2" = 1'-0"



E5 DET. - FDN. WALL @ COOLER
SCALE: 1/2" = 1'-0"

DESIGN LOADS	
GROUND SNOW LOAD (Pg)	30 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
SNOW THERMAL FACTOR (Ct)	1.0
SNOW IMPORTANCE FACTOR (I)	1.0
ROOF SNOW LOAD (Pg) (Ce) (I)	21 PSF
ROOF LIVE LOAD	20 PSF
FLOOR LIVE LOAD:	N.A. (SLAB ON GRADE)
WIND SPEED	90 MPH
BUILDING RISK CATEGORY	II
WIND EXPOSURE CATEGORY	B
WIND IMPORTANCE FACTOR	1.0
INTERNAL PRESSURE COEFFICIENT	+0.18 / -0.18
COMPONENTS & CLADDING WIND LOAD REQ'D	18.5 PSF BASE
SOIL DESIGN PRESSURE	1,500 PSF
SEISMIC SITE CLASS	D
SPECTRAL RESPONSE ACCELERATION-SHORT	11.2%
SPECTRAL RESPONSE ACCELERATION- 1 SEC	4.5%
SEISMIC OCCUPANCY CATEGORY	II
SEISMIC IMPORTANCE FACTOR	1.0
SEISMIC DESIGN CATEGORY	B
SPECTRAL RESPONSE COEFFICIENT - SHORT	0.119
SPECTRAL RESPONSE COEFFICIENT - 1 SECOND	0.072
SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAME WALLS WITH SHEAR PANELS
SEISMIC RESPONSE COEFFICIENT, Cs	0.018
RESPONSE MODIFICATION FACTOR, R	6.5
DESIGN BASE SHEAR, Cs(W)	415 POUNDS
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE ANALYSIS

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840 W Sunset Drive
Waukesha, WI 53189
County of WAUKESHA

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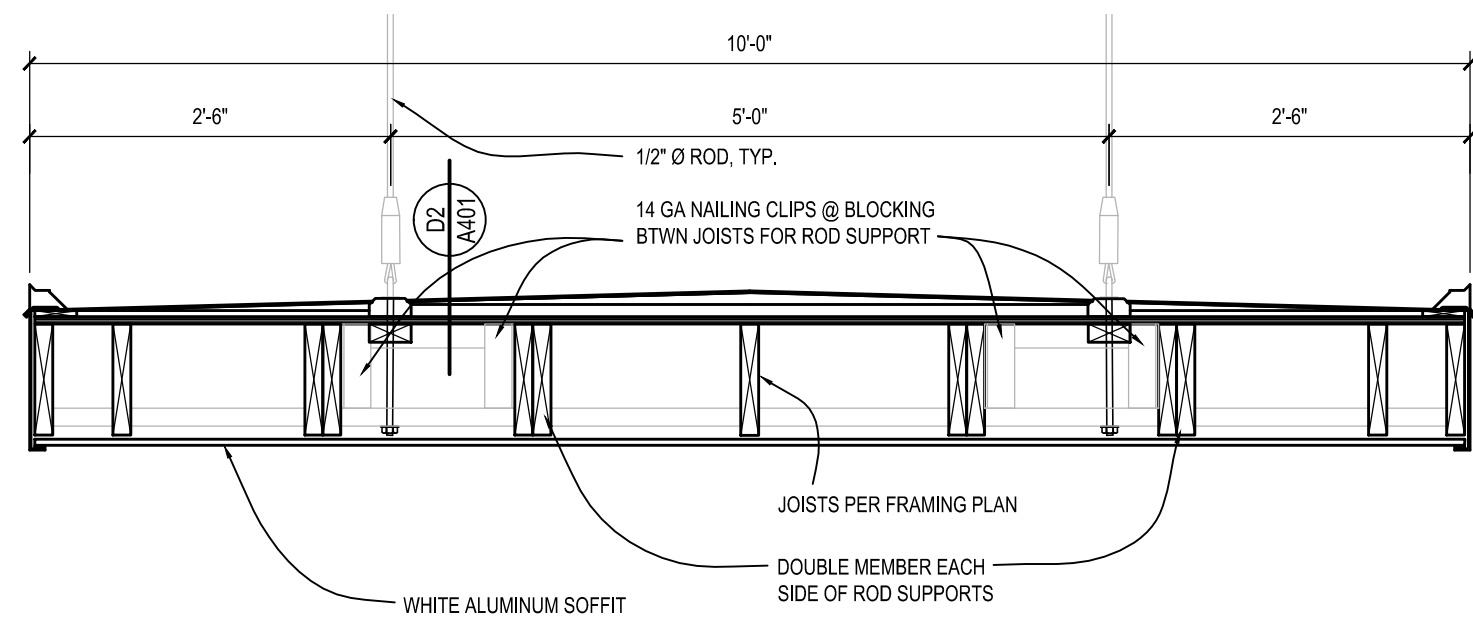
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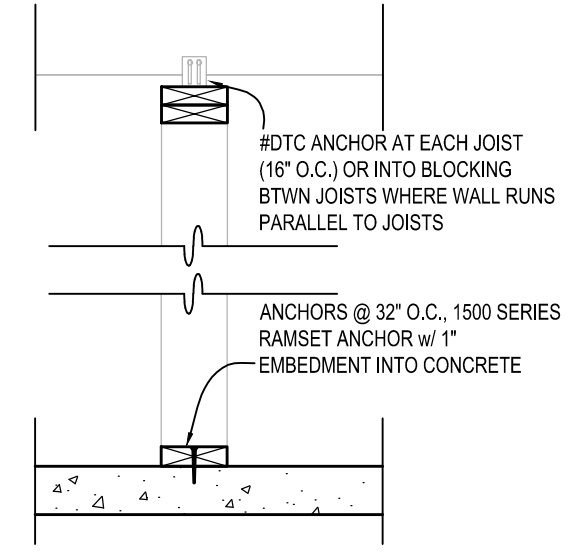
FOUNDATION PLANS & DETAILS

Date: 2-5-2016 Revision: S101

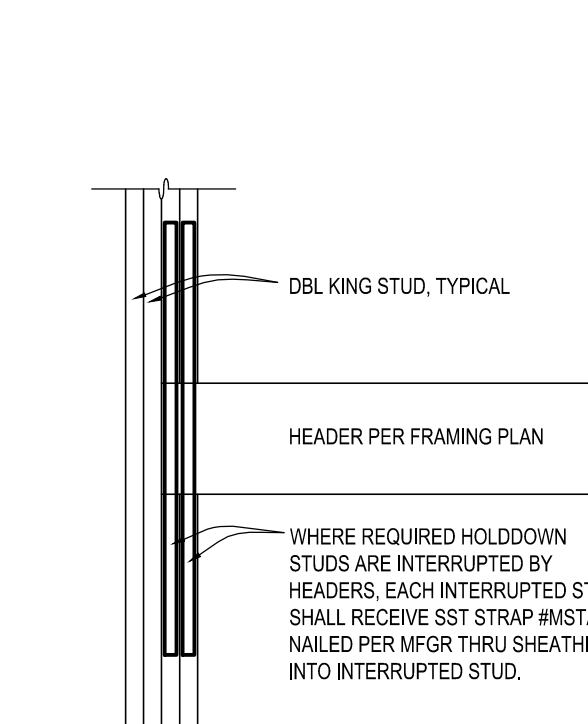
2015-093



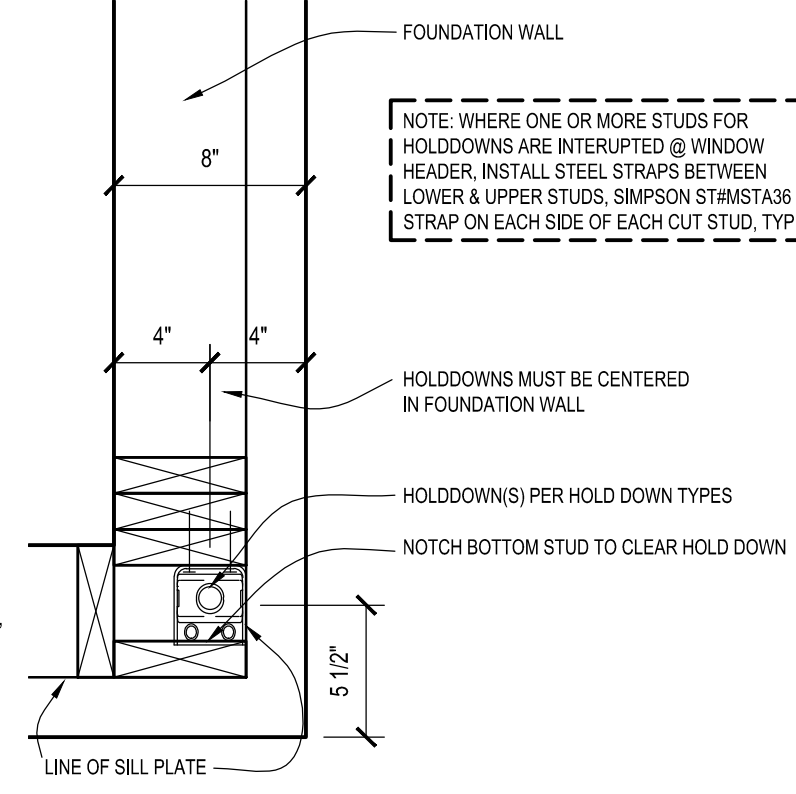
A2 CANOPY SECTION
SCALE: 3/4" = 1'-0"



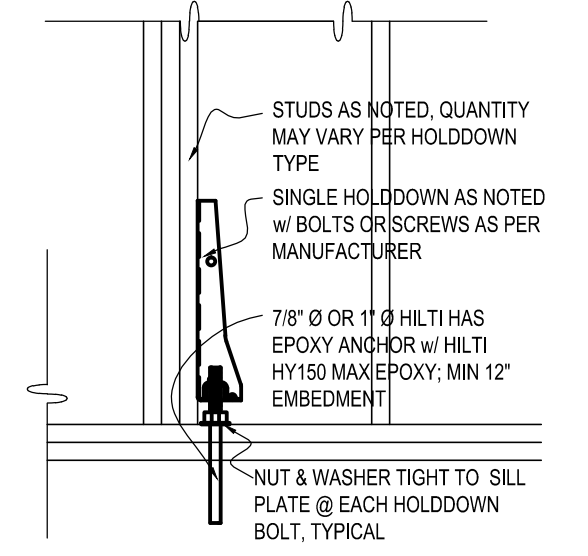
B1 INT. WALL ANCHOR
SCALE: 3/4" = 1'-0"



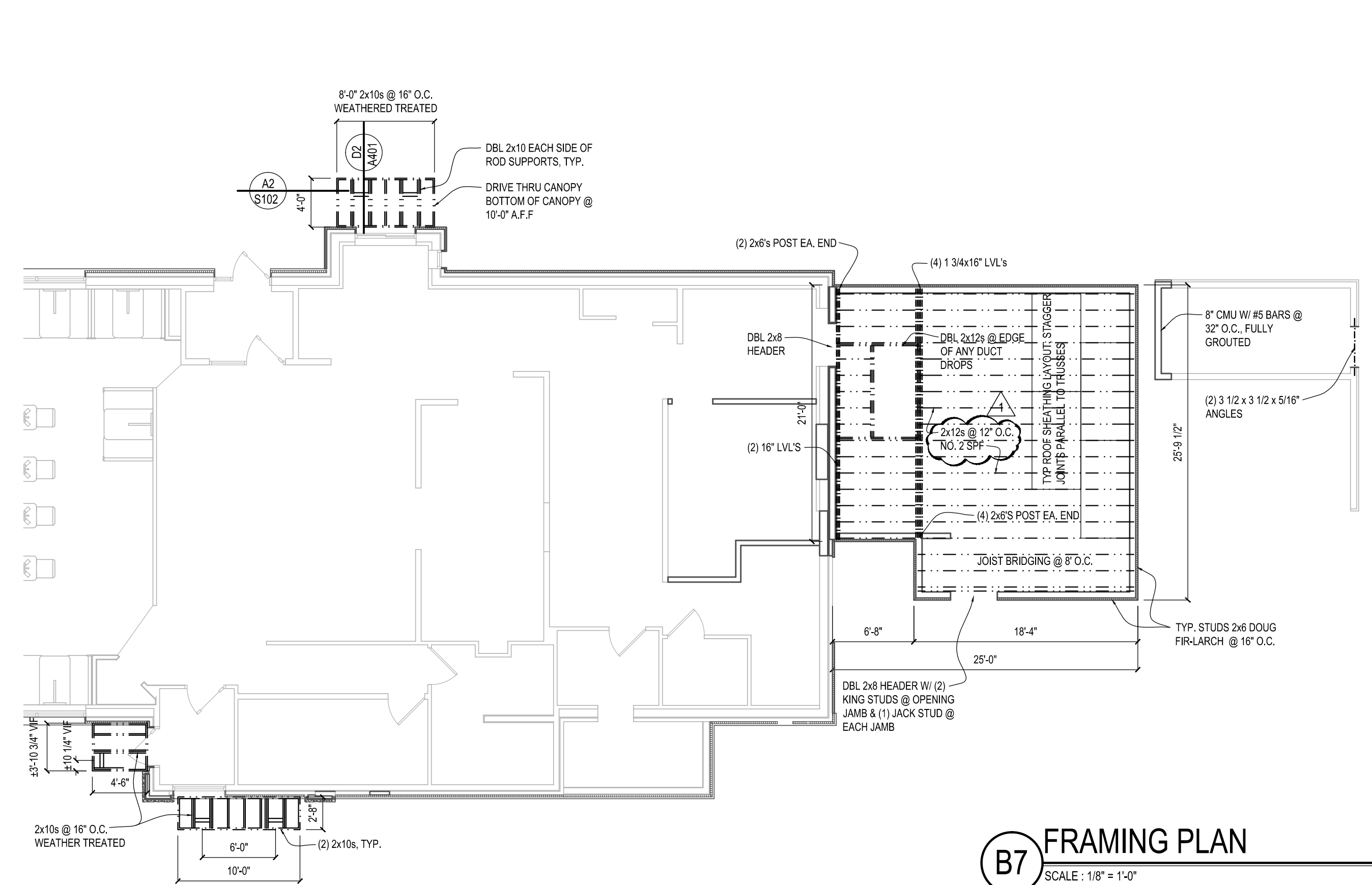
B3 STRAP DETAIL
SCALE: 3/4" = 1'-0"



B4 CORNER HOLDDOWN
SCALE: 1 1/2" = 1'-0"



C3 HOLDDOWN
SCALE: 3/4" = 1'-0"



B7 FRAMING PLAN
SCALE: 1/8" = 1'-0"

- GENERAL SHEATHING REQUIREMENTS**
- INSTALL SHEATHING CONTINUOUS OVER ENTIRE WALL.
 - REFER TO BUILDING PLANS, SECTIONS, AND ELEVATIONS FOR DIMENSIONS.
 - SEE FLOOR PLAN FOR EXACT LOCATIONS OF WINDOW AND DOOR OPENINGS.
 - COORDINATE WITH WALL SECTIONS SHOWN ON SHEET A401
 - ALL SHEATHING SHALL BE INSTALLED W/ 1/8" GAP @ ALL PANEL EDGES.

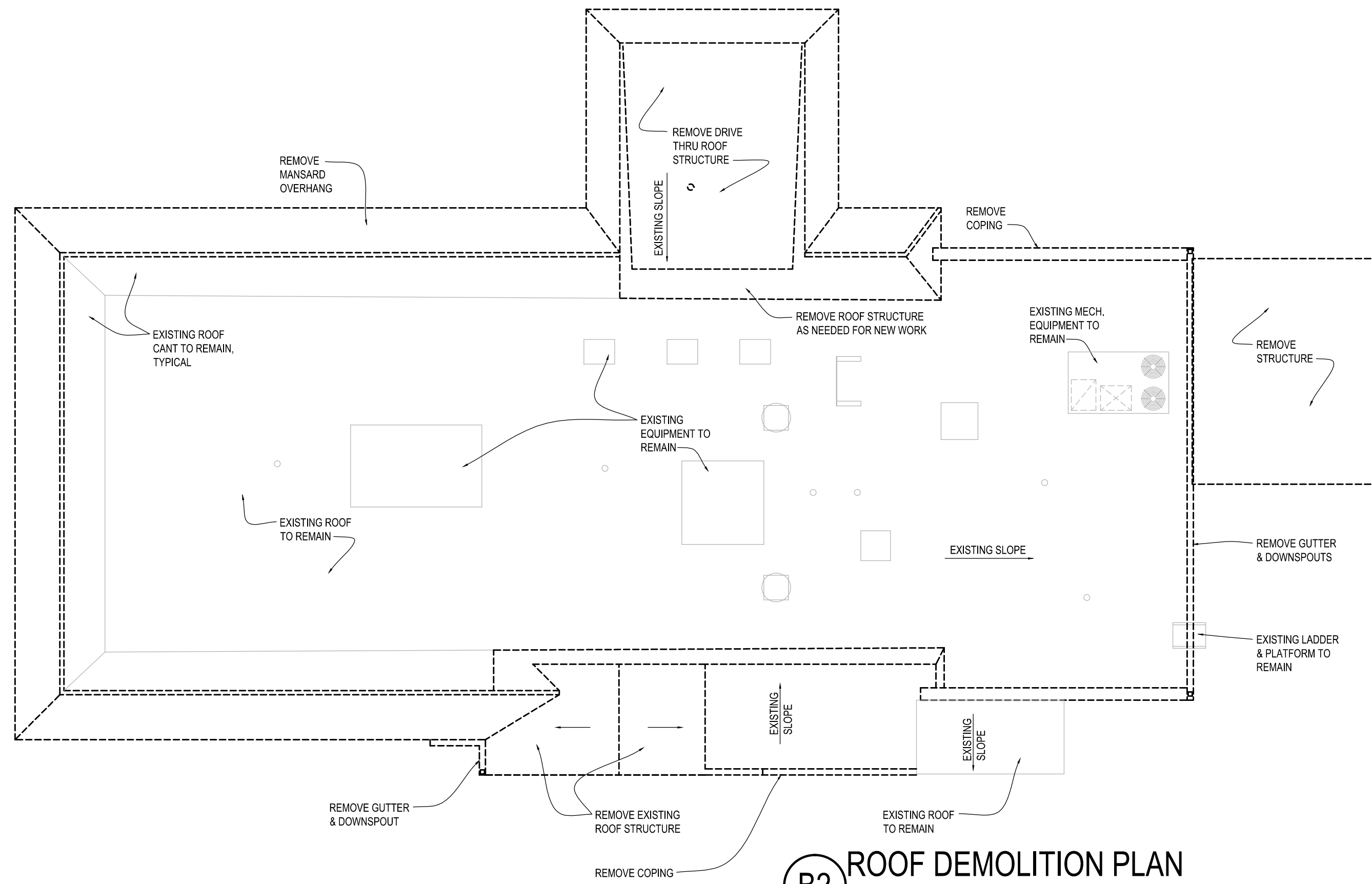
- GENERAL STRUCTURAL NOTES**
- CARPENTRY - SEE FRAMING PLAN THIS SHEET
- FLASH ALL HEADS OF WINDOWS AND DOORS.
 - ALL STRUCTURAL LUMBER SHALL BE AS SPECIFIED IN PROJECT MANUAL AND BELOW UNLESS OTHERWISE NOTED HEREIN.
 - LAMINATED VENEER LUMBER SHALL HAVE MINIMUM F_b = 26000 PSI & E = 1800 KSI
 - STUDS: #2 DOUG FIR-LARCH U.N.O.
 - HEADERS, JOISTS, ROUGH FRAMES, FRAMING SILLS, etc.: #2 SPF OR #2 HEM FIR
 - WALERS @ MEMBRANE ROOFING: #2 SPF OR #2 HEM FIR
 - WOOD FLOORING & GROUNDS: #2 WHITE PINE
 - PLYWOOD, CONFORMING TO PS 1, APA PRP-108, INCLUDING GRADE STAMPING
- ROOF SHEATHING: C-D GRADE w/ EXTERIOR GLUE (CDX) SHEATHING OVER STUDS. EXTERIOR TYPE, C-C GRADE. INTERIOR WALL SHEATHING: EXTERIOR TYPE, B-C GRADE.
- OSB: CONFORMING TO DOC PS 2, EXPOSURE 1 GRADE

- WALL SHEATHING NOTES:**
- EXTERIOR SHEATHING SHALL BE 1/2" O.S.B. SHEATHING WITH 10d NAILS @ 6" O.C. @ EDGES & 12" O.C. IN PANEL FIELD.
 - JOINTS IN SHEATHING SHALL HAVE 2X BLOCKING BETWEEN STUDS

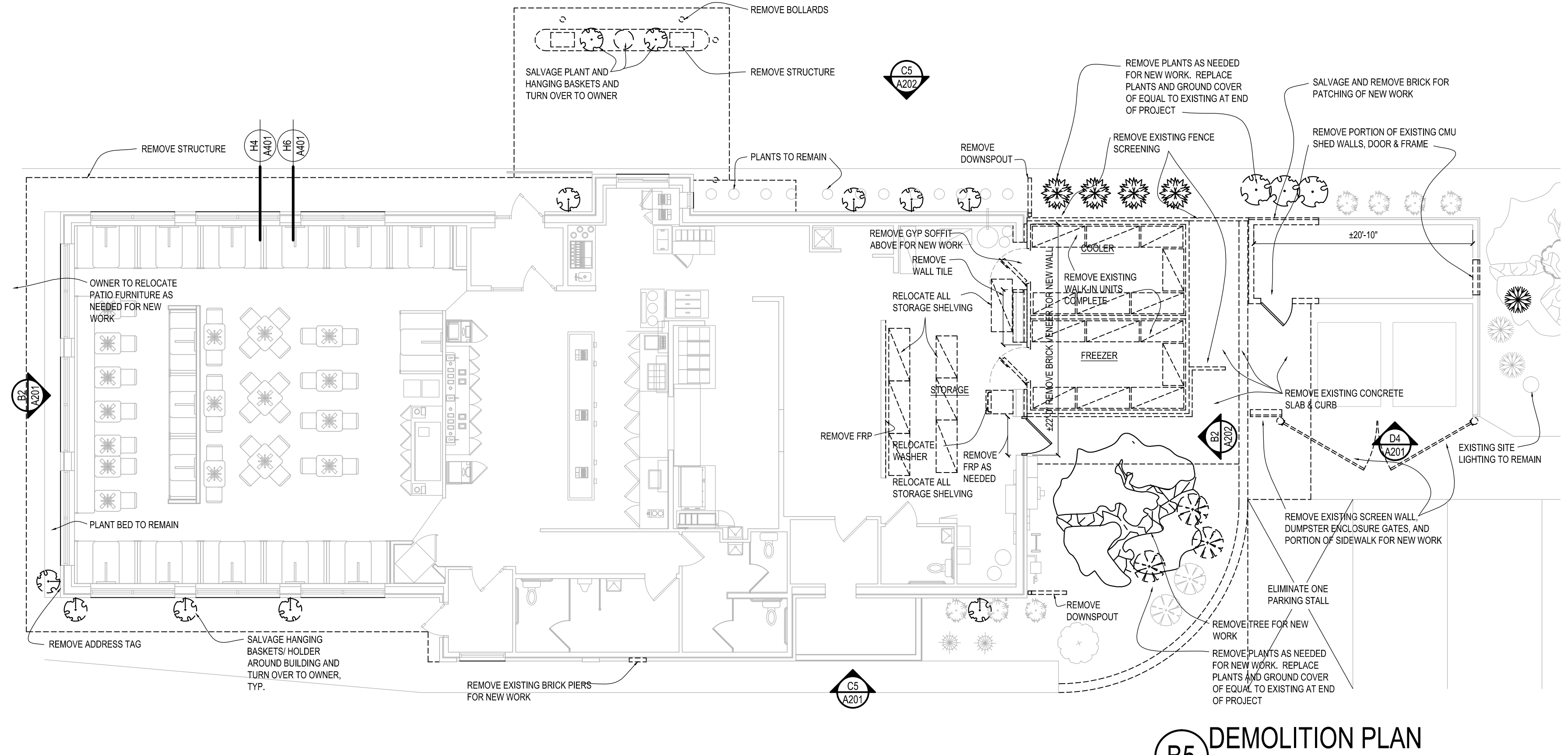
- ROOF SHEATHING NOTES:**
- NEW ROOF SHEATHING SHALL BE 1/2" APA RATED OSB OR CDX PLYWD. INSTALL 10d NAILS AT:
- 6" O.C. AT ROOF PERIMETER & AT EXISTING
 - 6" O.C. AT OTHER PANEL EDGES.
 - 12" O.C. IN PANEL FIELD.

SEE GENERAL STRUCT. NOTES & DESIGN LOADS ON SHEET S101

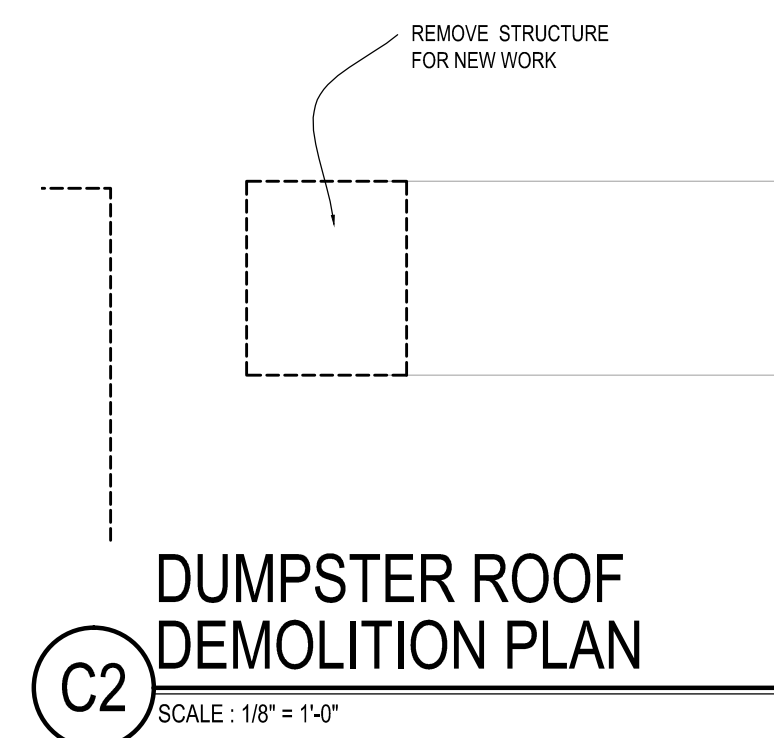
© 2016
<p>CULVER'S RESTAURANT RE-IMAGE 840 W Sunset Drive Waukesha, WI 53189 County of WAUKESHA</p>
<p><i>Culver's</i> Culver Franchising System, Inc. 1240 Water Street Prairie du Sac, WI 53578 608-643-1980</p>
<p>OWNER: BERES FOODS, LLC 1650 E Main St. Waukesha, WI 53186 Gary Beres 414-940-7533 Jim Beres 262-443-1989</p>
<p>COLLMANN ERNEST MARTIN ARCHITECTS 5109 South State Street Belleville Illinois 61008 815-544-7790 Phone 815-544-7792 Fax</p>
<p>FRAMING PLAN & DETAILS</p>
<p>Date: 2-5-2016 Revision: A 2/19/2016 WI comments</p>
<p>2015-093</p> <p style="font-size: 2em; border: 2px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">S102</p>



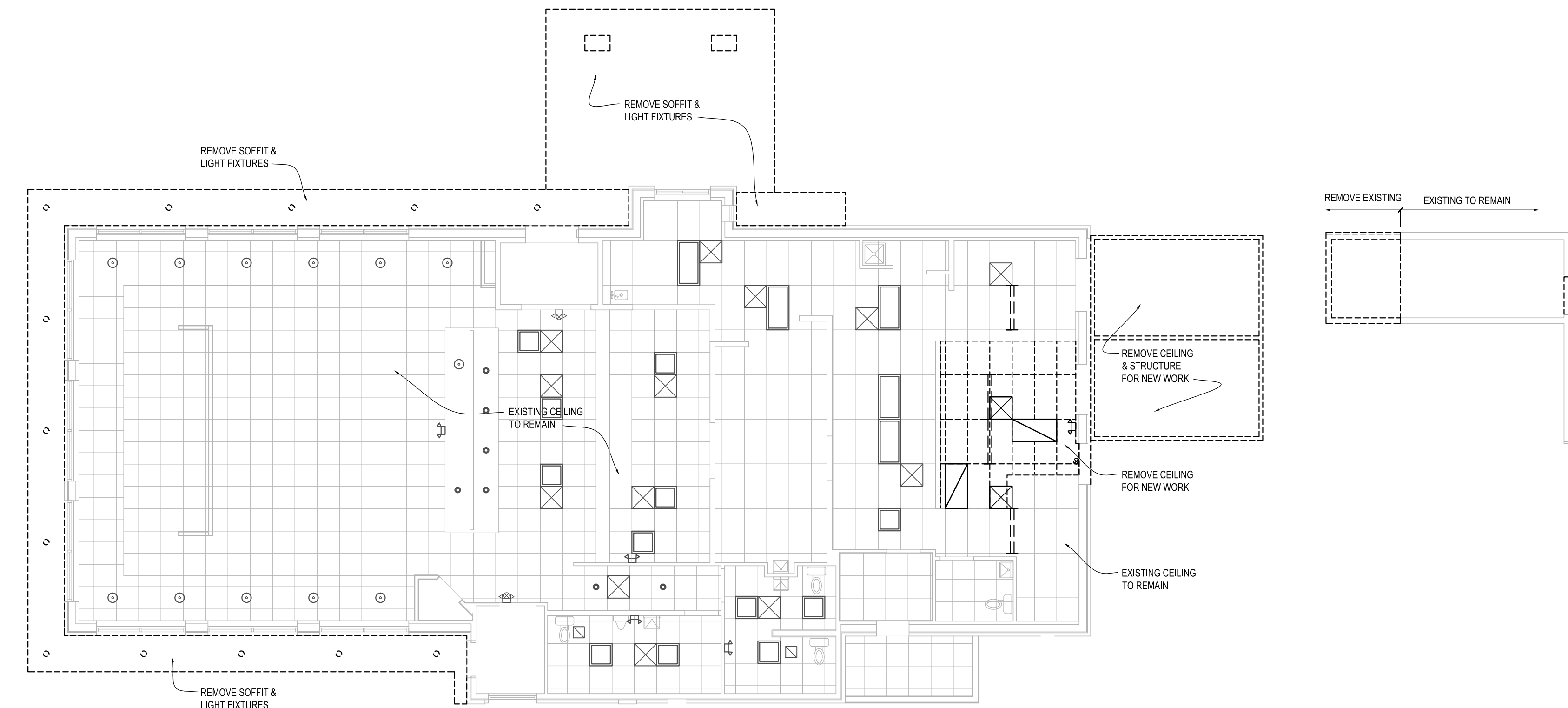
B2 ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



B5 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

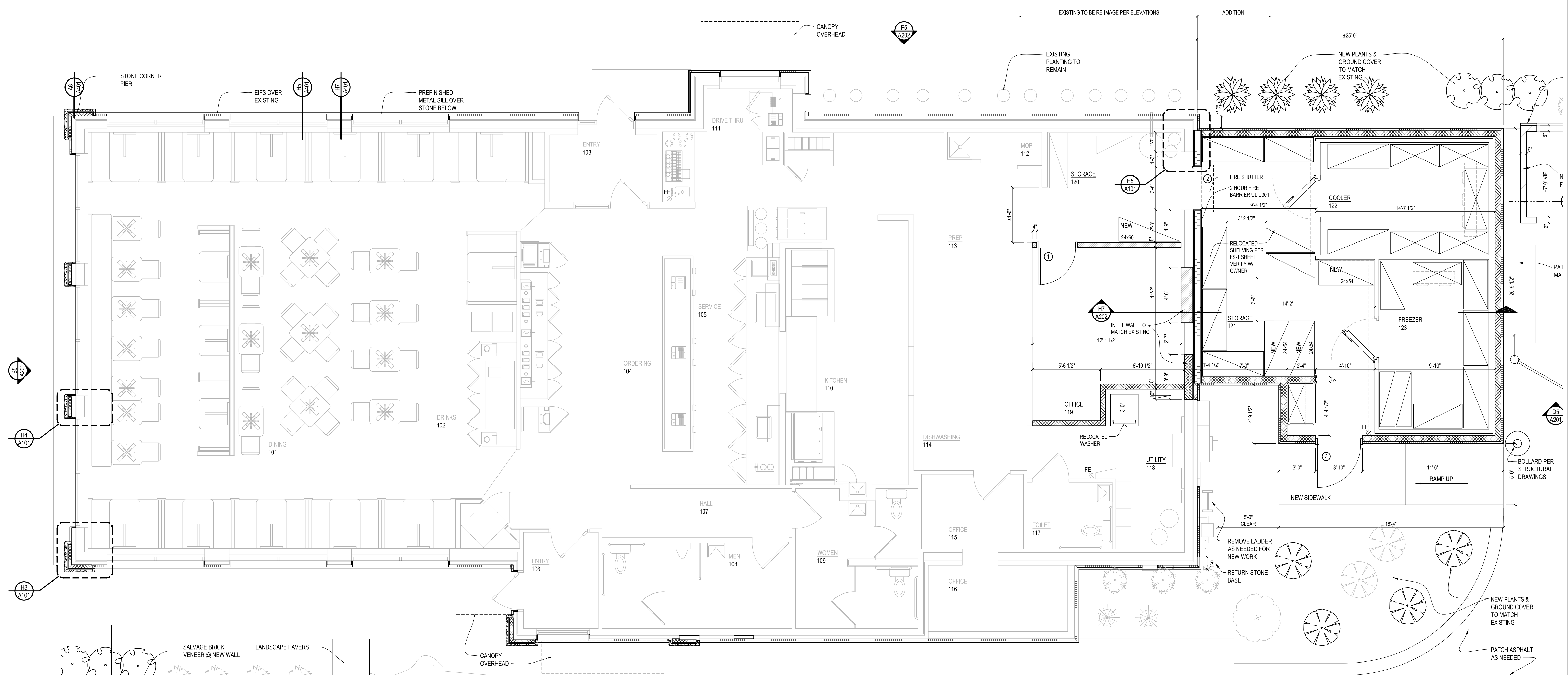


C2 DUMPSTER ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

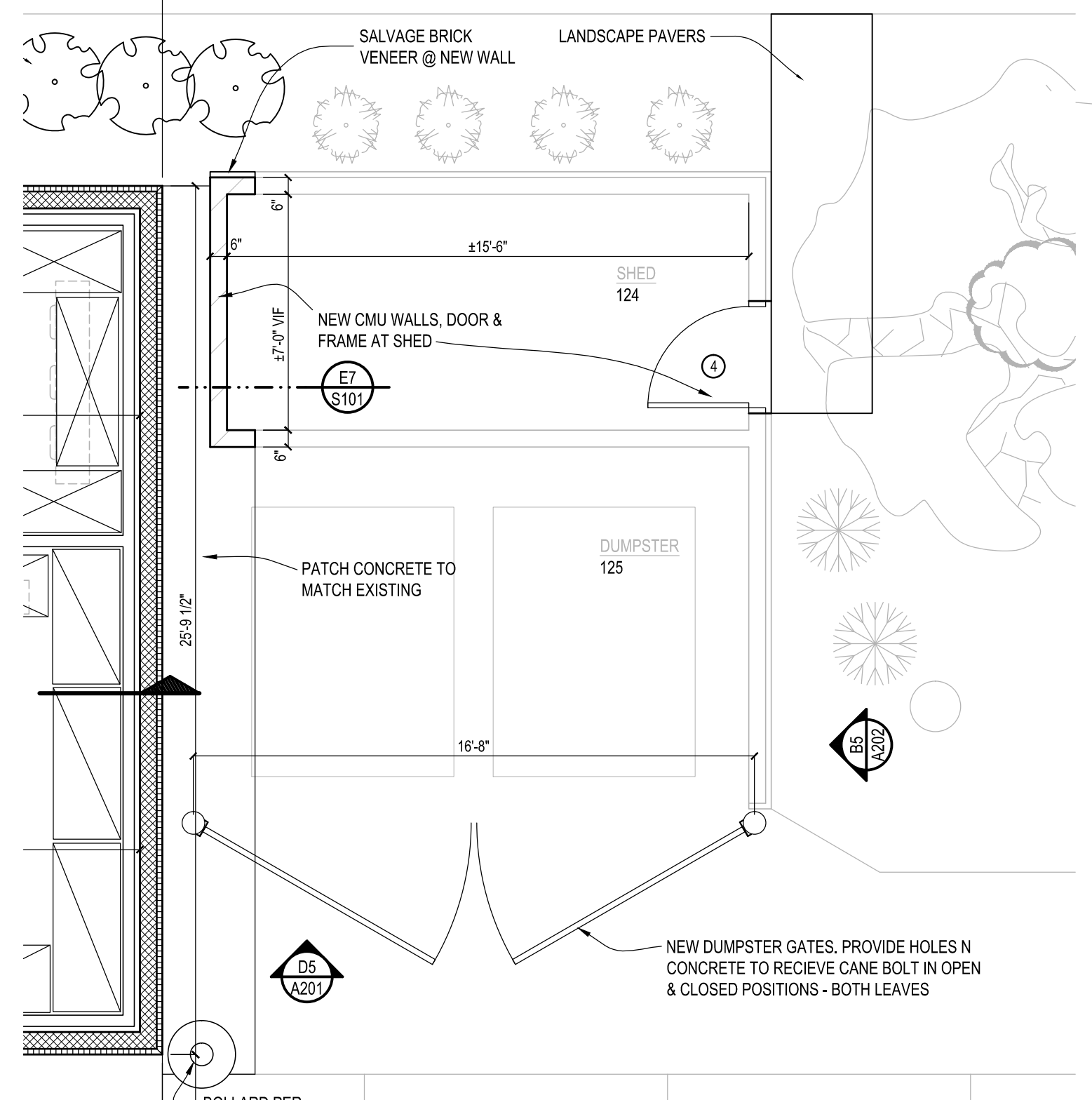


D5 CEILING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

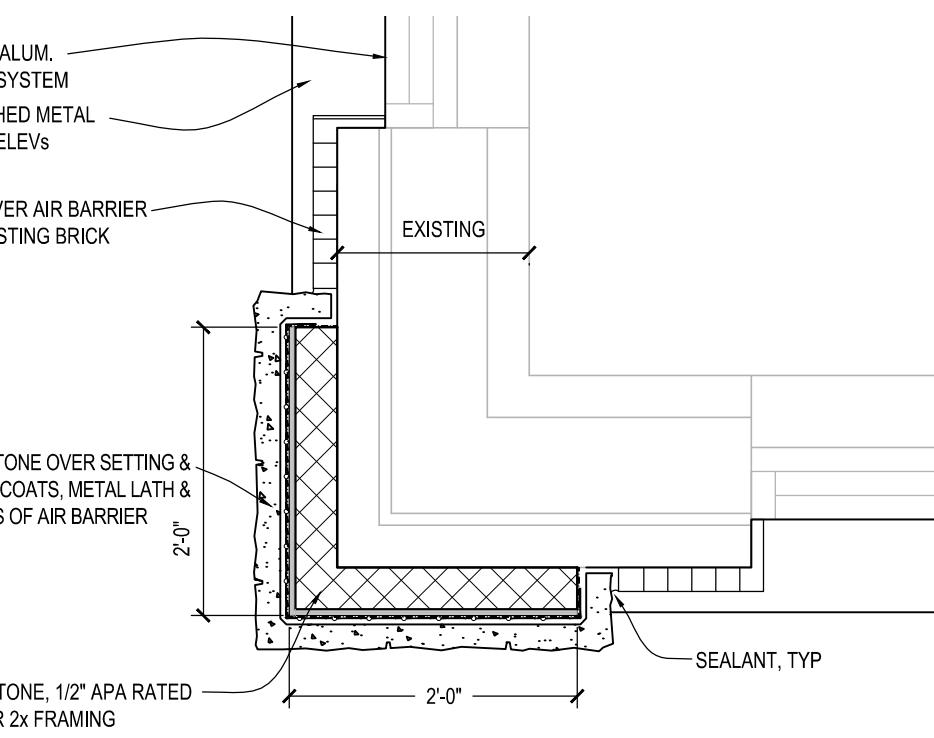
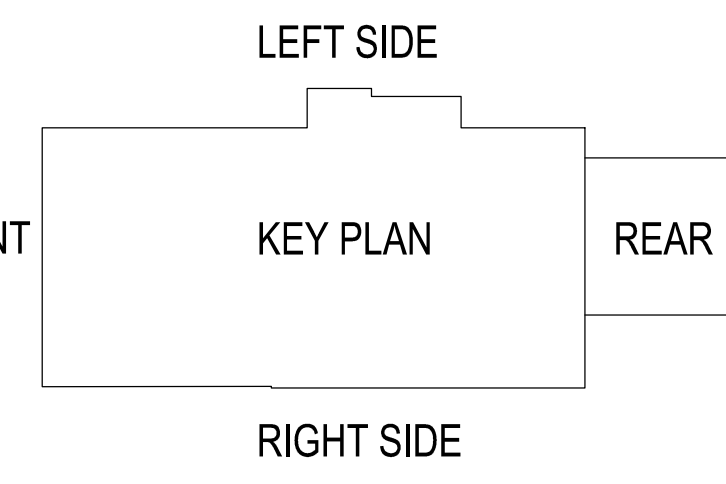
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DEMOLITION PLANS
<p>Date: 2-5-2016 Revision:</p>
2015-093
A100



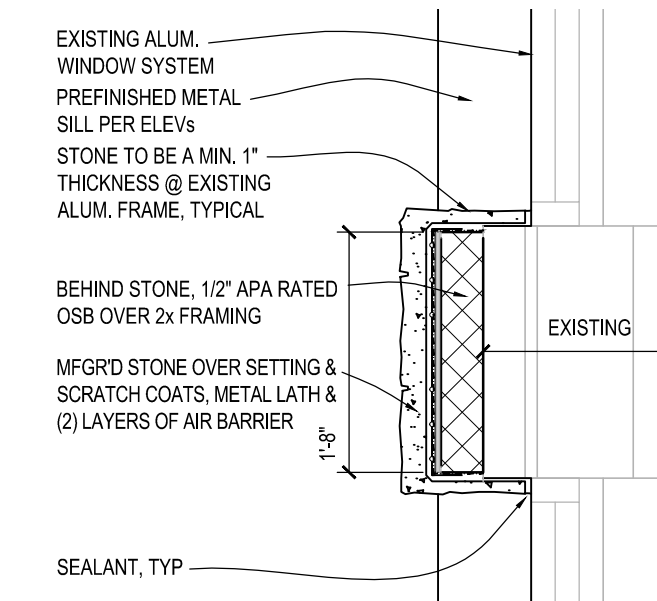
E5 FLOOR PLAN
 SCALE: 1/4" = 1'-0"



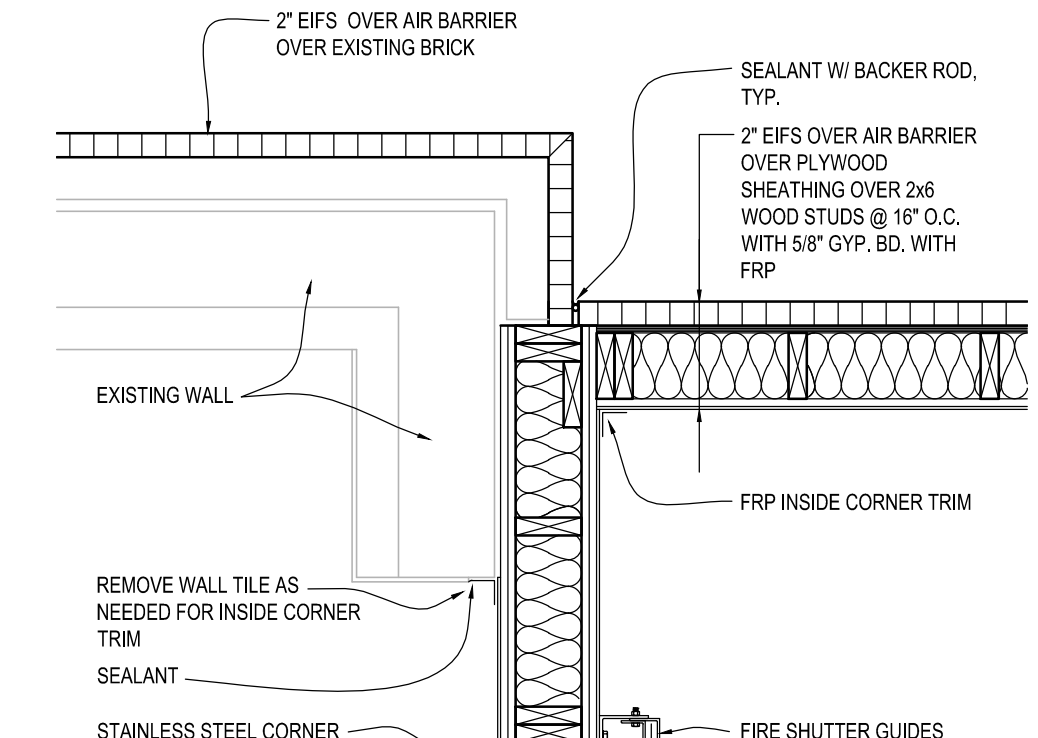
H2 DUMPSTER PLAN
 SCALE: 1/4" = 1'-0"



H3 CORNER DETAIL
 SCALE: 3/4" = 1'-0"



H4 PIER DETAIL
 SCALE: 3/4" = 1'-0"



H5 DETAIL
 SCALE: 3/4" = 1'-0"

SYMBOL LIBRARY

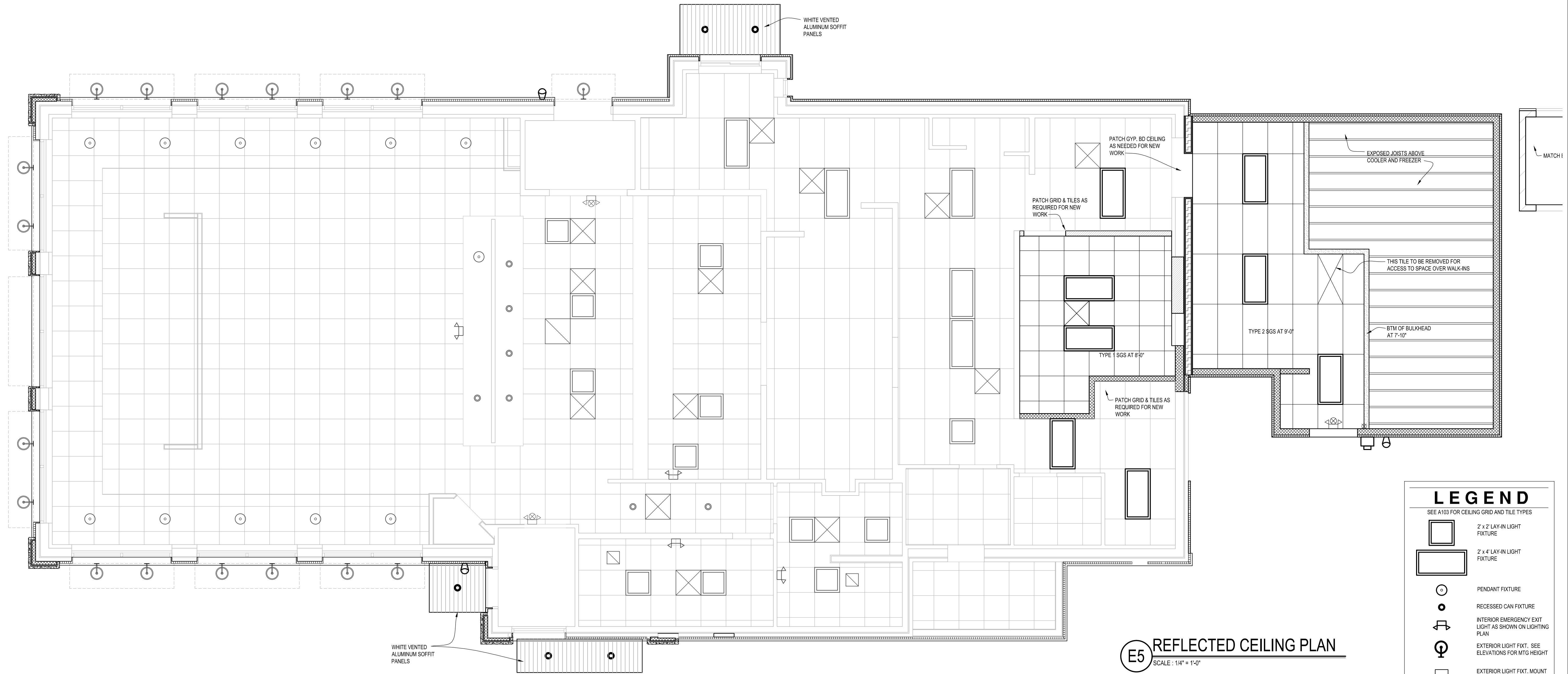
DINING 101	
ROOM NAME	ROOM NUMBER
INSULATED WOOD STUD WALL	
2 HOUR FIRE RATED WOOD STUD WALL	
EIFS (EXTERIOR INSUL. FINISH SYSTEM)	
MASONRY PER WALL SECTIONS	
MANUFACTURED STONE VENEER	
EXISTING WALL	
SEE SHEET A4 FOR SUBSTRATE MATS STUD SPACING TO BE 16" O.C. MAX.	
2	DOOR NUMBER
H4	DETAIL NUMBER
A6	SHEET NUMBER
A7	DETAIL NUMBER
A7	SHEET NUMBER

GENERAL NOTES

UNLESS NOTED OTHERWISE, DIMENSIONS SHOWN ARE FACE OF FRAMING TO FACE OF FRAMING FOR NEW CONSTRUCTION. DIMENSIONS AT EXISTING CONSTRUCTIONS ARE FROM GYP. BOARD OR FINISH SURFACE.

ALL WALLS W/ WOOD BLOCKING SHALL HAVE FIRE STOPPING AT THE CEILING LEVEL IF THE DRYWALL DOES NOT EXTEND TO THE ROOF OR FLOOR DECK ABOVE. FIRE STOPPING SHALL CONSIST OF HORIZONTAL METAL TRACK SECTION TO SUPPORT MINERAL WOOL FIRE SAFING.

INSTALL DRYWALL CONTROL JOINTS AT 25'-0" O.C. MAXIMUM HORIZONTALLY OR VERTICALLY AS REQUIRED. ALIGN WITH EDGE OF DOOR JAMBS WHERE POSSIBLE.



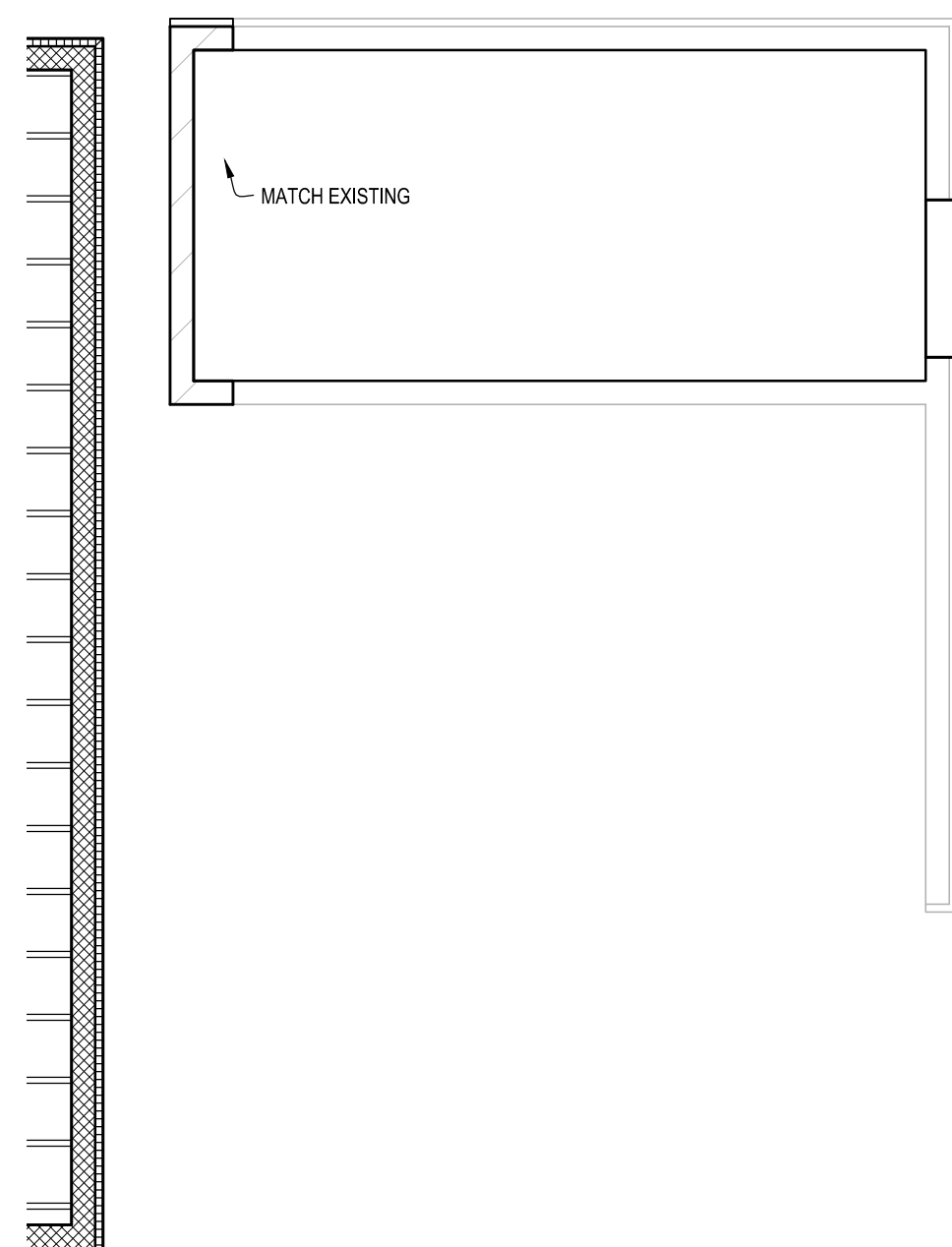
E5 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

LEGEND
SEE A103 FOR CEILING GRID AND TILE TYPES

- 2 x 2 LAY-IN LIGHT FIXTURE
- 2 x 4 LAY-IN LIGHT FIXTURE
- PENDANT FIXTURE
- RECESSED CAN FIXTURE
- INTERIOR EMERGENCY EXIT LIGHT AS SHOWN ON LIGHTING PLAN
- EXTERIOR LIGHT FIXT. SEE ELEVATIONS FOR MTG HEIGHT
- EXTERIOR LIGHT FIXT. MOUNT @ 9'-0" AFF.
- EXTERIOR EMERGENCY LIGHT
- LAY-IN SUPPLY DIFFUSER
- LAY-IN RETURN AIR GRILLE OR EXHAUST GRILLE PER MECHANICAL
- ELECTRIC CEILING HEATER

ALL ITEMS MAY NOT BE USED. COORD. w/ MECHANICAL & ELECTRICAL PLANS TO CONFIRM ALL FIXTURES

NOTE:
LAY IN CEILING SEISMIC SYSTEM NOT REQUIRED FOR CEILINGS < 144 SQUARE FEET SURROUNDED BY FULL HEIGHT WALL SECURED TO STRUCTURE ABOVE.



H2 DUMPSTER SHED REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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County of WAUKESHA

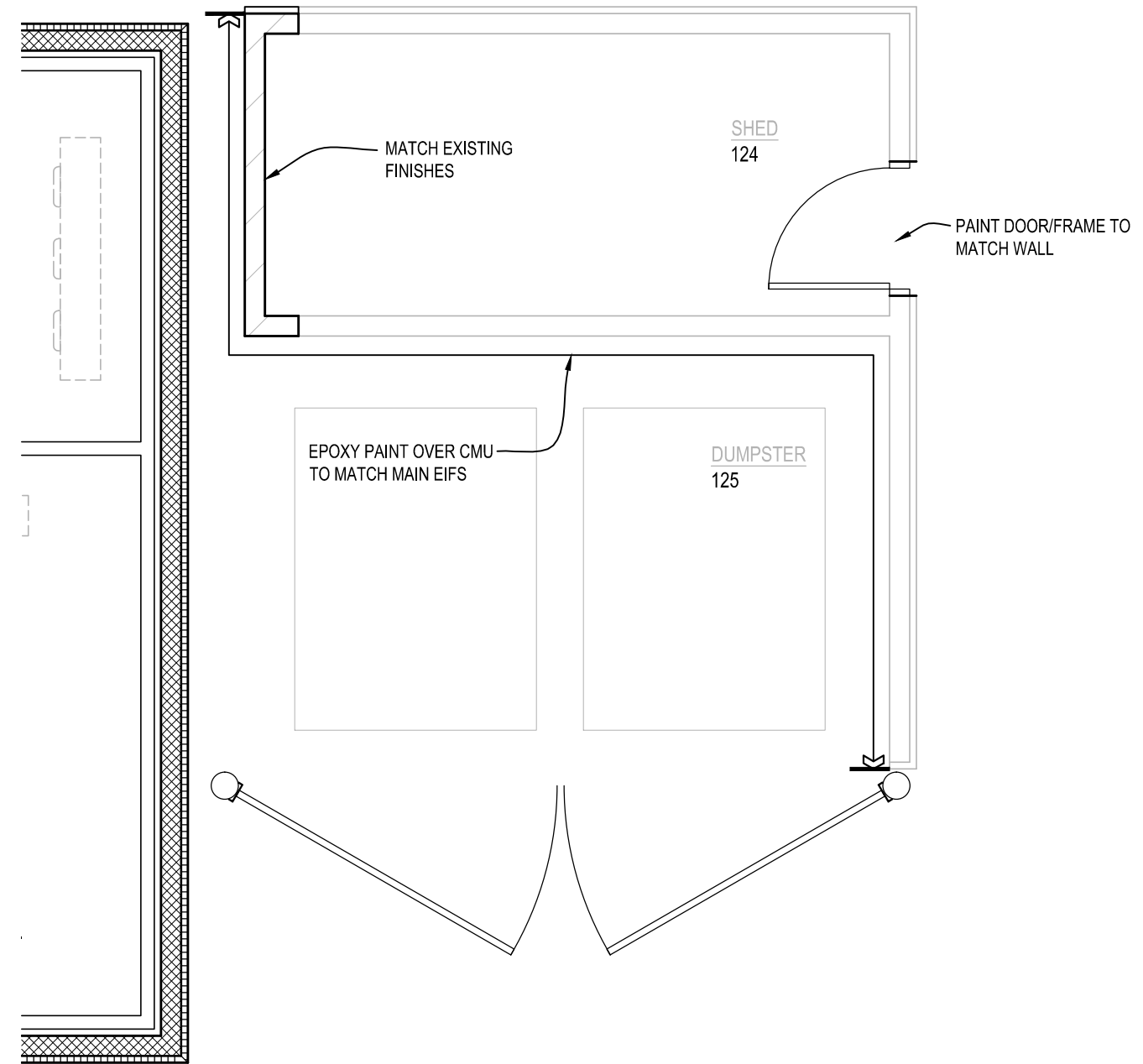
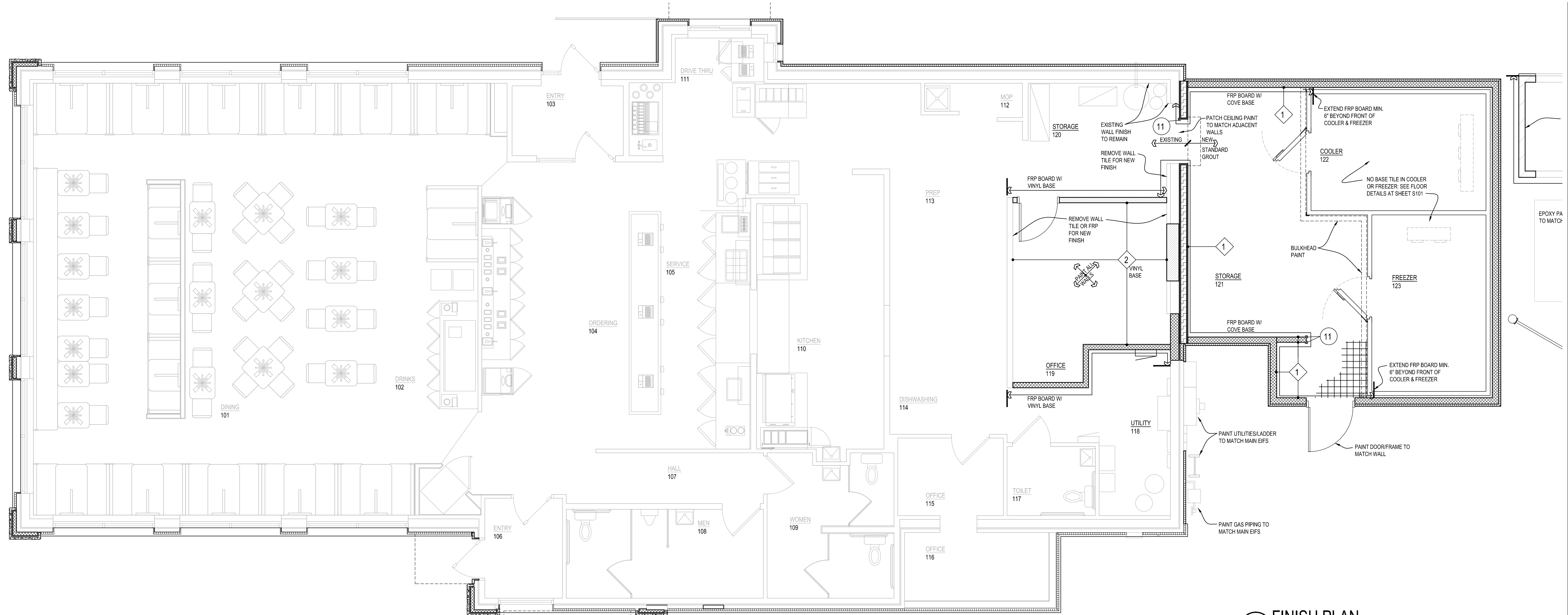
Culver's
Culver Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
800-843-7980

OWNER:
BERES FOODS, LLC
1650 E. Main St.
Waukesha, WI 53186
Gary Beres 414-640-7633
Jill Beres 262-443-1989

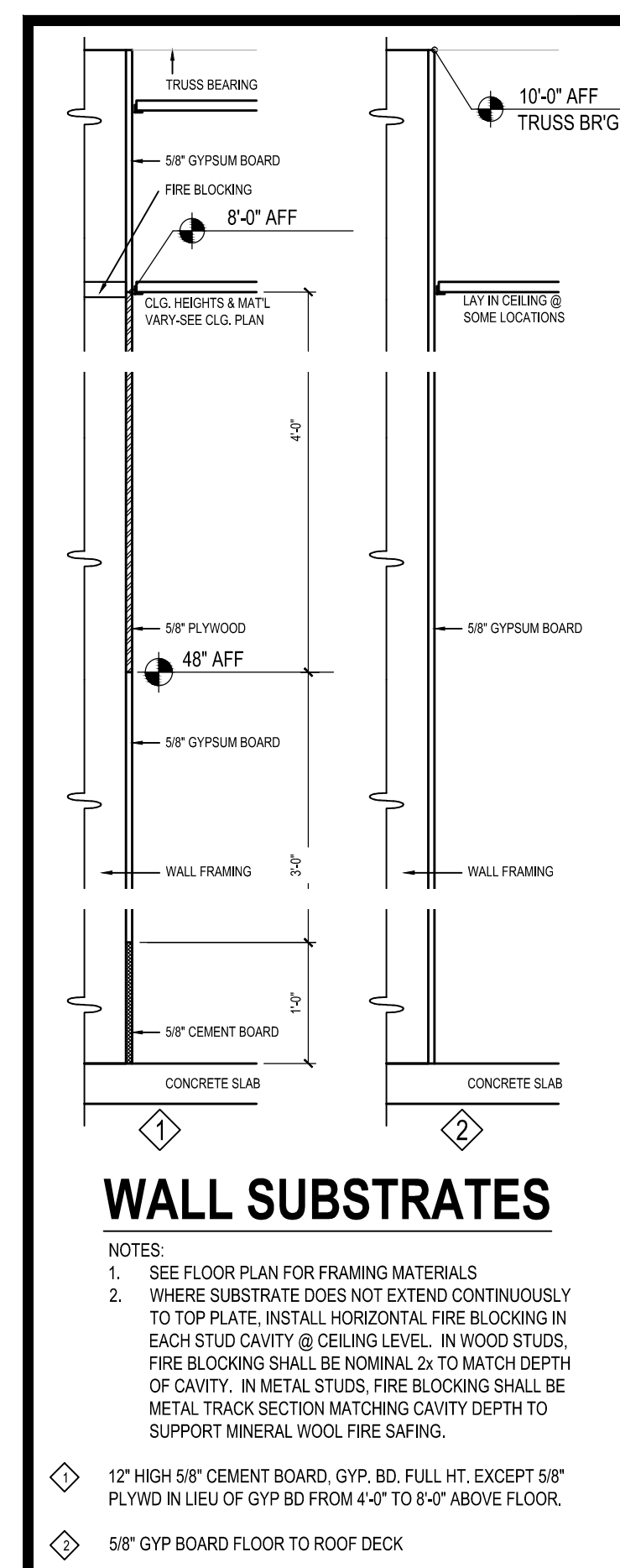
OLLMANN ERNEST MARTIN ARCHITECTS
509 South State Street
Bellevue, Illinois 61008
815-544-7790 Phone
815-544-7792 Fax

REFLECTED CEILING PLAN
Date: 2-5-2016
Revision:

2015-093
A102



H2 DUMPSTER FINISH PLAN
SCALE: 1/4" = 1'-0"



WALL SUBSTRATES

- NOTES:
- SEE FLOOR PLAN FOR FRAMING MATERIALS
 - WHERE SUBSTRATE DOES NOT EXTEND CONTINUOUSLY TO TOP PLATE, INSTALL HORIZONTAL FIRE BLOCKING IN EACH STUD CAVITY @ CEILING LEVEL. IN WOOD STUDS, FIRE BLOCKING SHALL BE NOMINAL 2x TO MATCH DEPTH OF CAVITY. IN METAL STUDS, FIRE BLOCKING SHALL BE METAL TRACK SECTION MATCHING CAVITY DEPTH TO SUPPORT MINERAL WOOL FIRE SAFING.

- ① 12" HIGH 5/8" CEMENT BOARD, GYP. BD, FULL HT. EXCEPT 5/8" FLYWD IN LIEU OF GYP BD FROM 4'-0" TO 6'-0" ABOVE FLOOR.
- ② 5/8" GYP BOARD FLOOR TO ROOF DECK

FINISH MATERIALS:

FLOOR TILE:

FOR NATIONAL ACCOUNT PRICING CONTACT YOUR LOCAL DAL TILE SERVICE CENTER OR CALL PETER PASTERSKI AT DAL TILE: 920-615-2132 OR 800-933-8455

Tile 1: Daltile Style Paver
 Color: Q088 "Gray"
 Size: 6" x 6"
 Base: see options below
 Use 6"x6" Cove base P-3665 (same color) - OR -
 Colour Scheme cove base 6"x12" P-36C9TB, "Uptown Taupe"

FLOOR TILE GROUT

The following setting system has a 15 year warranty when used in conjunction with and floor tile that is no greater than 15 inches in length. No substitutions may be accepted, for warranty or technical questions please contact Patrick Armitage, MAPEI Corporation at 612-205-7494.

WATERPROOFING MEMBRANE:
 MAPEI Mapelastic AquaDefense

SETTING MATERIAL:
 1) MAPEI Kerastick System
 or
 2) MAPEI Granirapid System

INDUSTRIAL EPOXY GROUT:
 MAPEI Industrial Grade Kerapoxy IEG, Color Q085 Gray

STANDARD GROUT:
 MAPEI Ultracolor Plus Color Q085 Gray

Provide flooring transition strips as specified in the project manual.

WALL PAINT:

OFFICE & UTILITY ROOM WALL PAINT: SW #7009 "Pearly White"

VINYL BASE:

Johnstone 6" vinyl cove base (580 gauge), Color Selected by Owner.

CEILING PAINT:

INTERIOR BULKHEAD & CEILING, UNLESS NOTED OTHERWISE:
 Sherwin Williams #7009 "Pearly White"
 12"x4" GYP CEILING IN RMs 10, 102
 Sherwin Williams #6238 "Tricorn Black" DURATION MATTE FINISH

CEILING TILE:

TYPE 1 SGS CLG:
 GRID: CHICAGO METALIC WHITE ALUMINUM
 GRIE: 2x2 USG VINYL-FACED GYPSUM #3260 STIPPLE WHITE

TYPE 2 SGS CLG:
 GRID: CHICAGO METALIC WHITE ALUMINUM
 TILE: 2 x 4 USG VINYL-FACED GYPSUM #3270 STIPPLE WHITE

OTHER FINISHES:

FRP BOARD: Crane Composites, Glasboard, White. **FOR NATIONAL ACCT. PRICING CALL (800)435-0808**

EXTERIOR HOLLOW METAL: Paint to match eifs

INTERIOR HOLLOW METAL FINISH: SW7710 Brandywine

BOLLARD COVER: Blue or Tan owner's choice

Provide flooring transition strips as specified in the project manual.

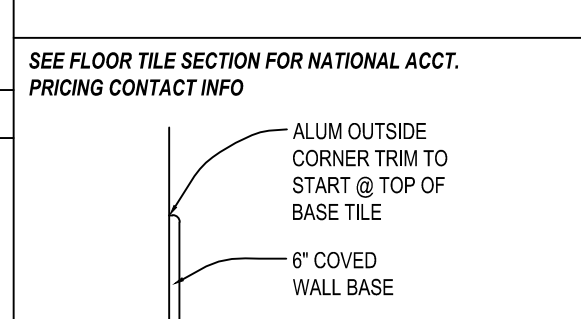
WALL TILE:

Tile: Match existing

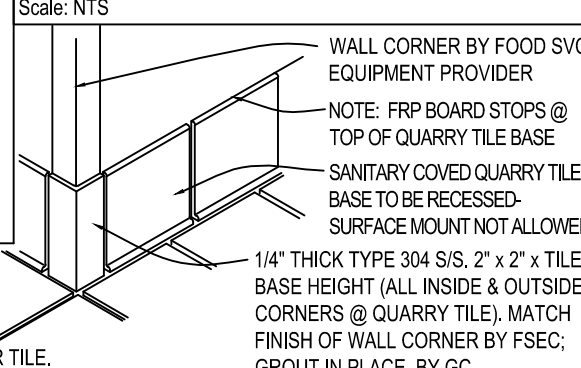
Grout color to match existing.

SEE FLOOR TILE SECTION FOR NATIONAL ACCT. PRICING CONTACT INFO

CEILING TILE:

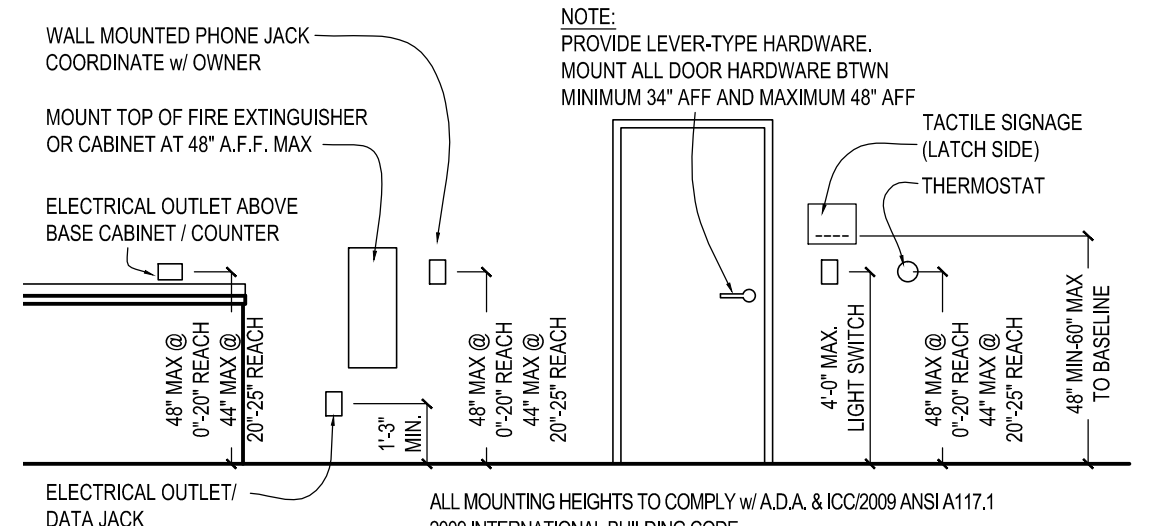


COVERED BASE TILE DETAIL



11 SS CORNER DETAIL

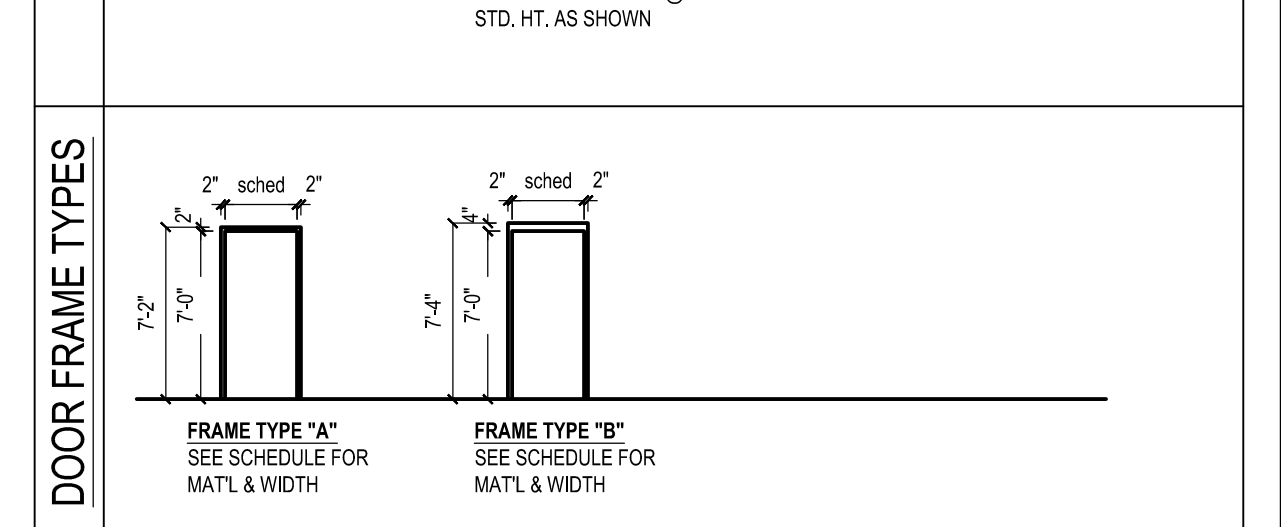
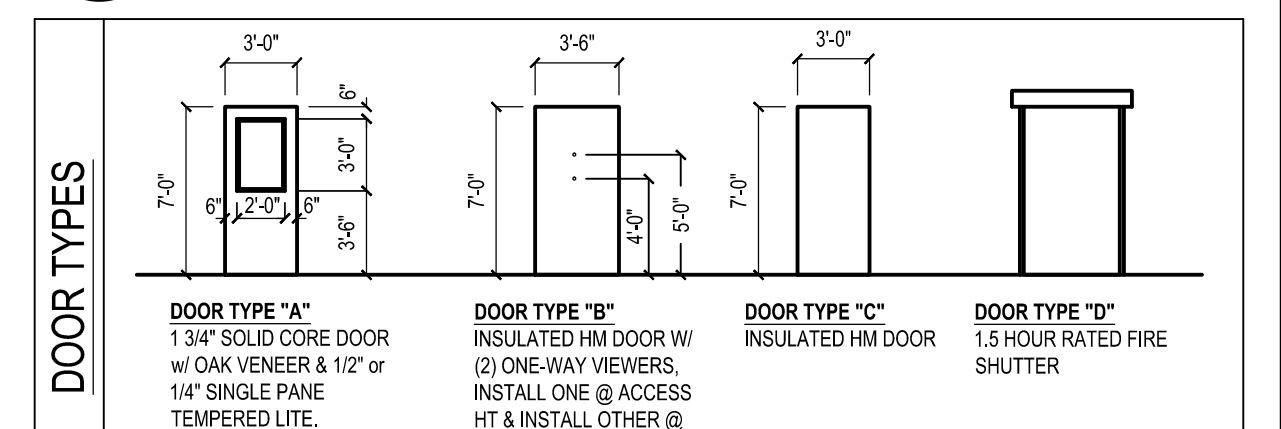
See Sheet F13 for locations.
 NOTE: DO NOT SET COVE BASE TILE ON TOP OF FLOOR TILE.



H4 STANDARD MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

E5 FINISH PLAN

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

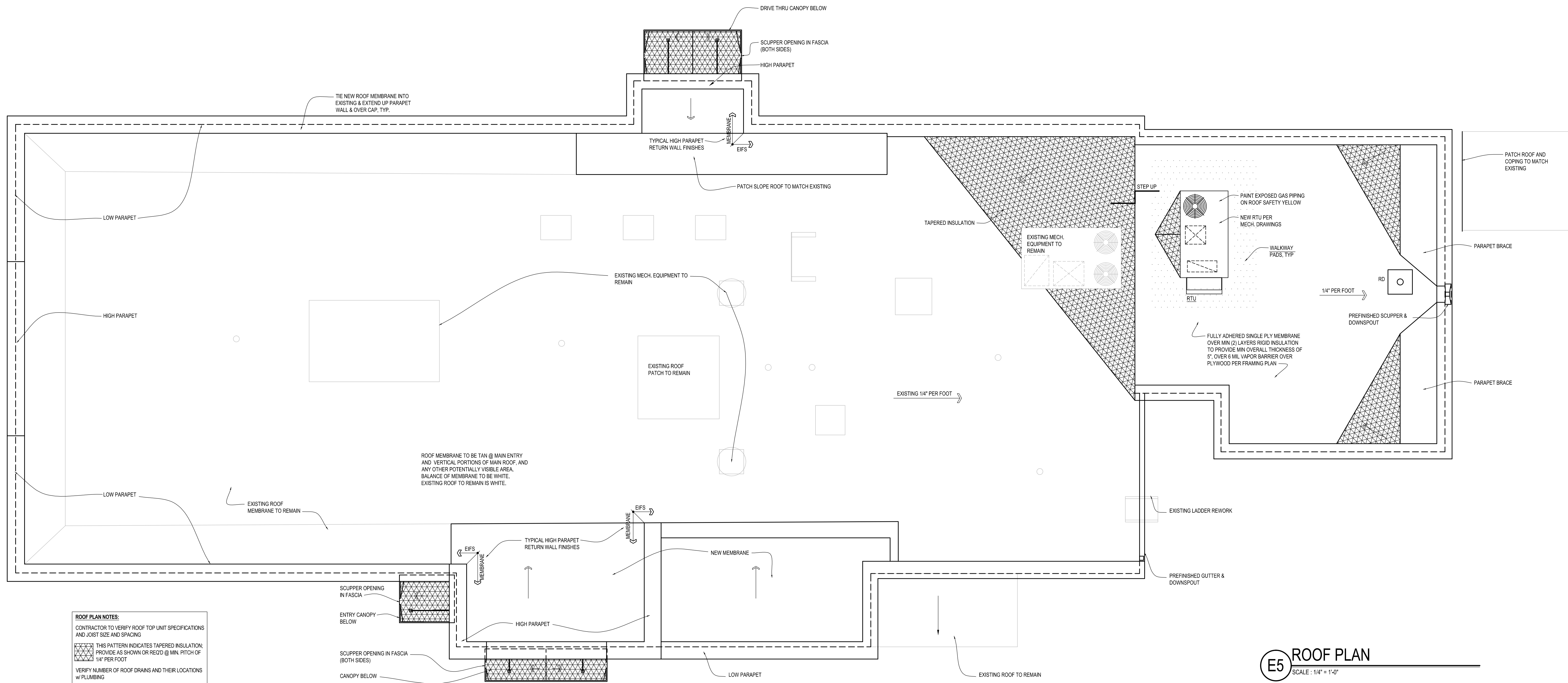


DOOR	FRAME	REMARKS:
1	1"	DOOR TYPE "A"
2	1"	DOOR TYPE "B"
3	1"	DOOR TYPE "C"
4	1"	DOOR TYPE "D"

HARDWARE	GROUPS	REMARKS:
DOOR	DOOR	DOOR TYPE "A" THROUGH "D"
DOOR	DOOR	DOOR TYPE "A" THROUGH "D"
DOOR	DOOR	DOOR TYPE "A" THROUGH "D"
DOOR	DOOR	DOOR TYPE "A" THROUGH "D"

DOOR NOTES:

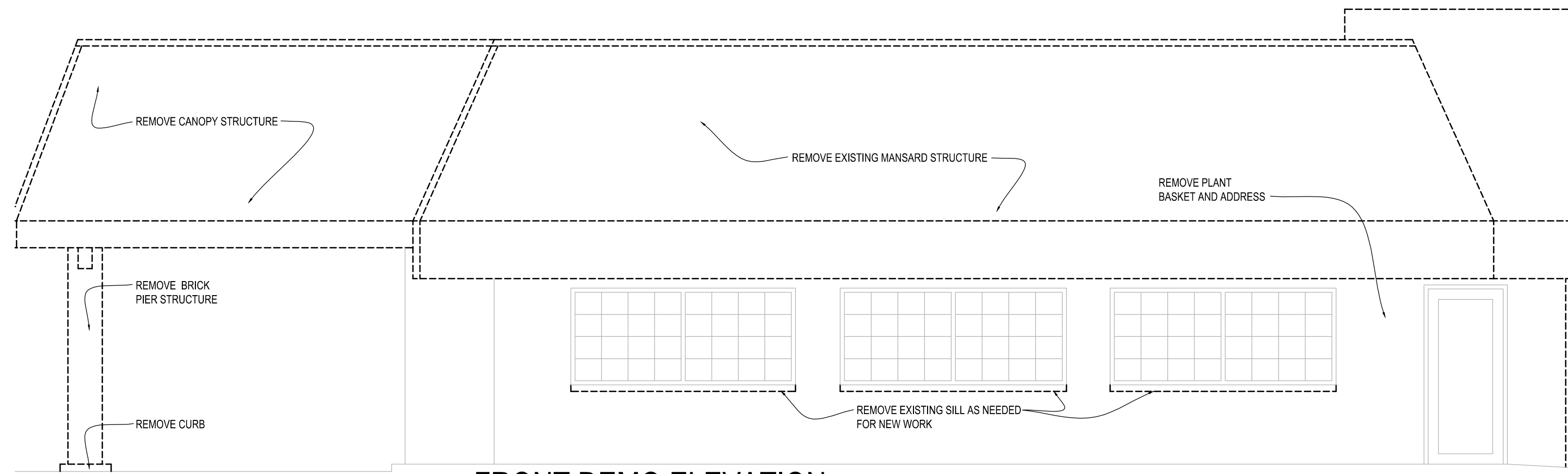
- ALL DOOR SCHEDULES SHALL COMPLY WITH THE LATEST EDITION OF THE IBC & IFC.
- DOOR SCHEDULES SHALL ALSO COMPLY WITH THE LATEST EDITION OF THE IBC & IFC.
- ALL DOOR SCHEDULES SHALL COMPLY WITH THE LATEST EDITION OF THE IBC & IFC.
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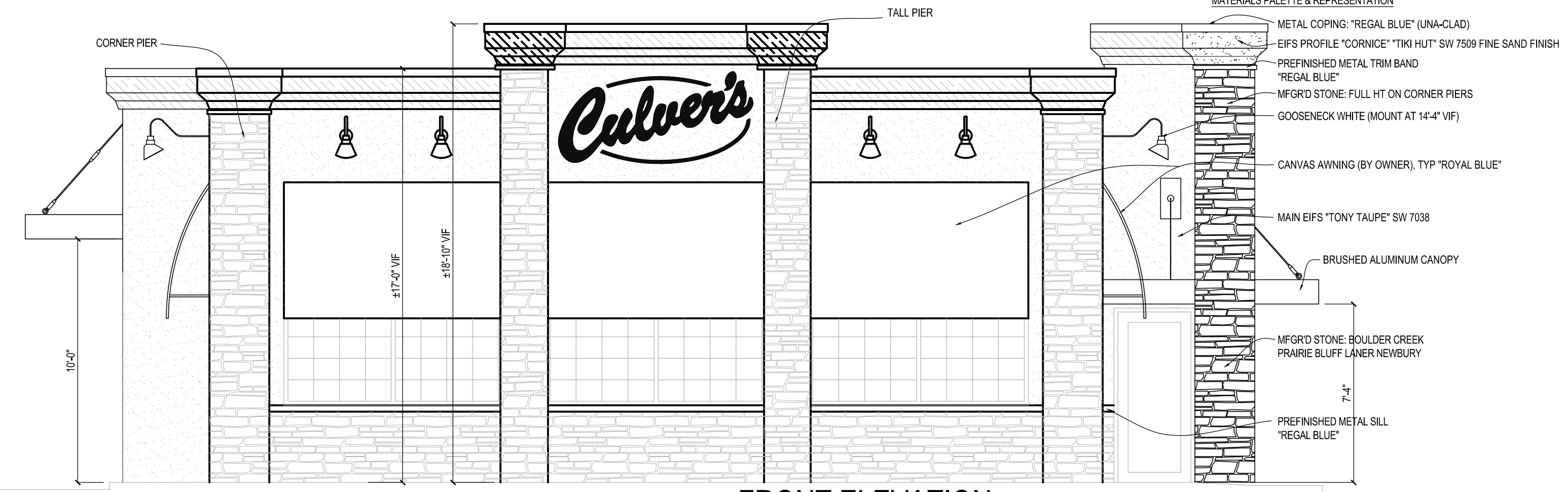
ROOF PLAN NOTES:
 CONTRACTOR TO VERIFY ROOF TOP UNIT SPECIFICATIONS AND JOIST SIZE AND SPACING
 THIS PATTERN INDICATES TAPERED INSULATION; PROVIDE AS SHOWN OR REDD @ MIN. PITCH OF 1/4" PER FOOT
 VERIFY NUMBER OF ROOF DRAINS AND THEIR LOCATIONS w/ PLUMBING
 ROOFING CONTRACTOR TO VERIFY SIZE OF SCUPPER, GUTTER AND DOWNSPOUT

E5 ROOF PLAN
 SCALE: 1/4" = 1'-0"

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CULVER'S RESTAURANT RE-IMAGE 840 W Sunset Drive Waukesha, WI 53189 County of WAUKESHA
 Culver Franchising System, Inc. 1240 Water Street Prairie du Sac, WI 53578 800-843-7980
OWNER: BERES FOODS, LLC 1650 E. Main St. Waukesha, WI 53186 Gary Beres 414-640-7633 Jill Beres 262-443-1989
OLLMANN ERNEST MARTIN ARCHITECTS 509 South State Street Beloit, WI 53511 815-544-7700 Phone 815-544-7792 Fax
ROOF PLAN Date: 2-5-2016 Revision:
2015-093
A104

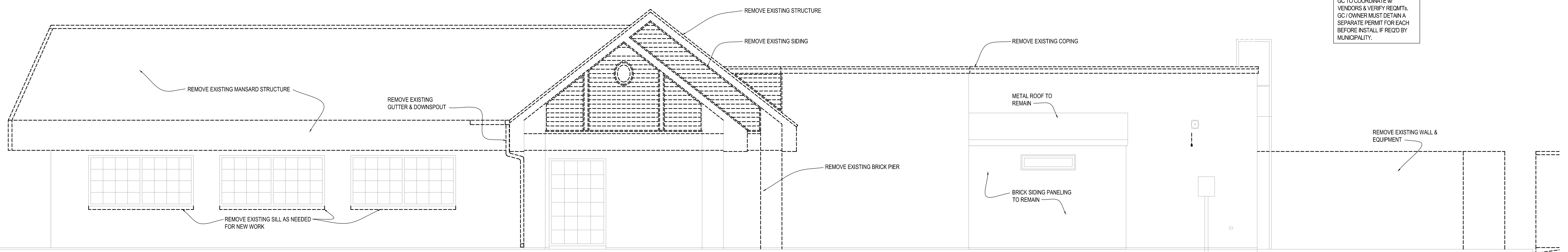


B2 FRONT DEMO ELEVATION
SCALE: 1/4" = 1'-0"

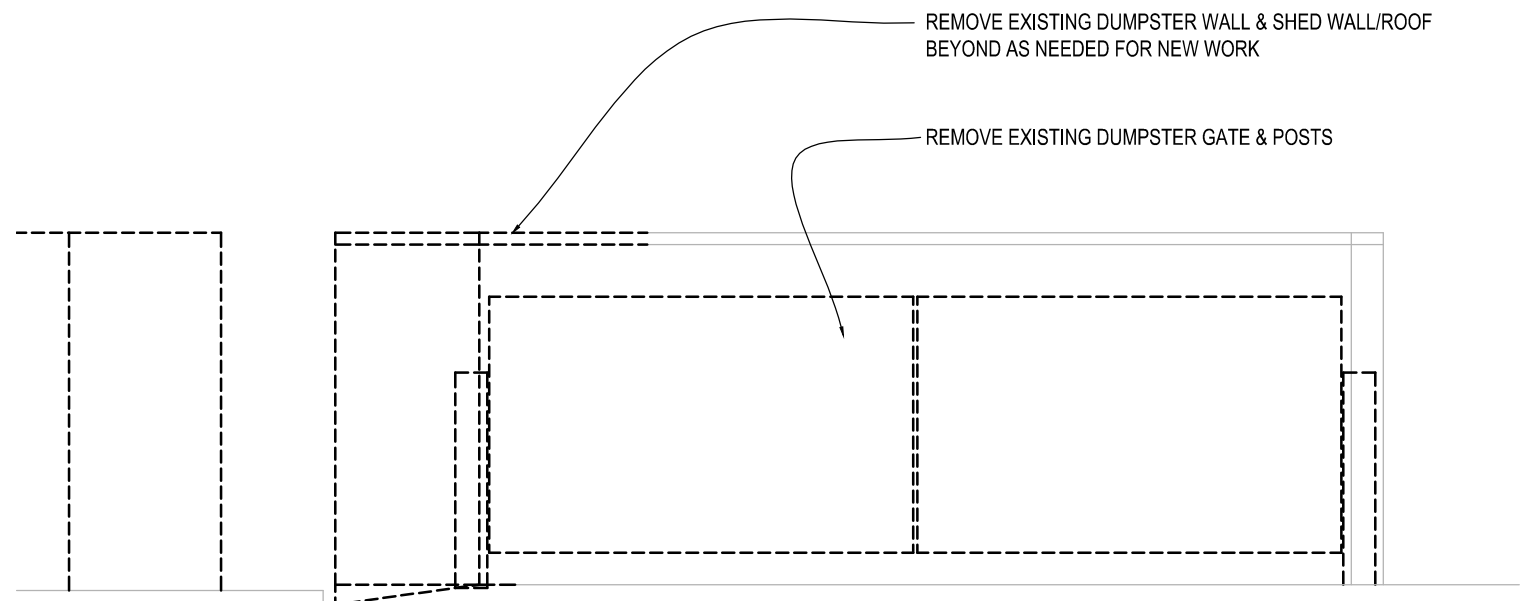


B5 FRONT ELEVATION
SCALE: 1/4" = 1'-0"

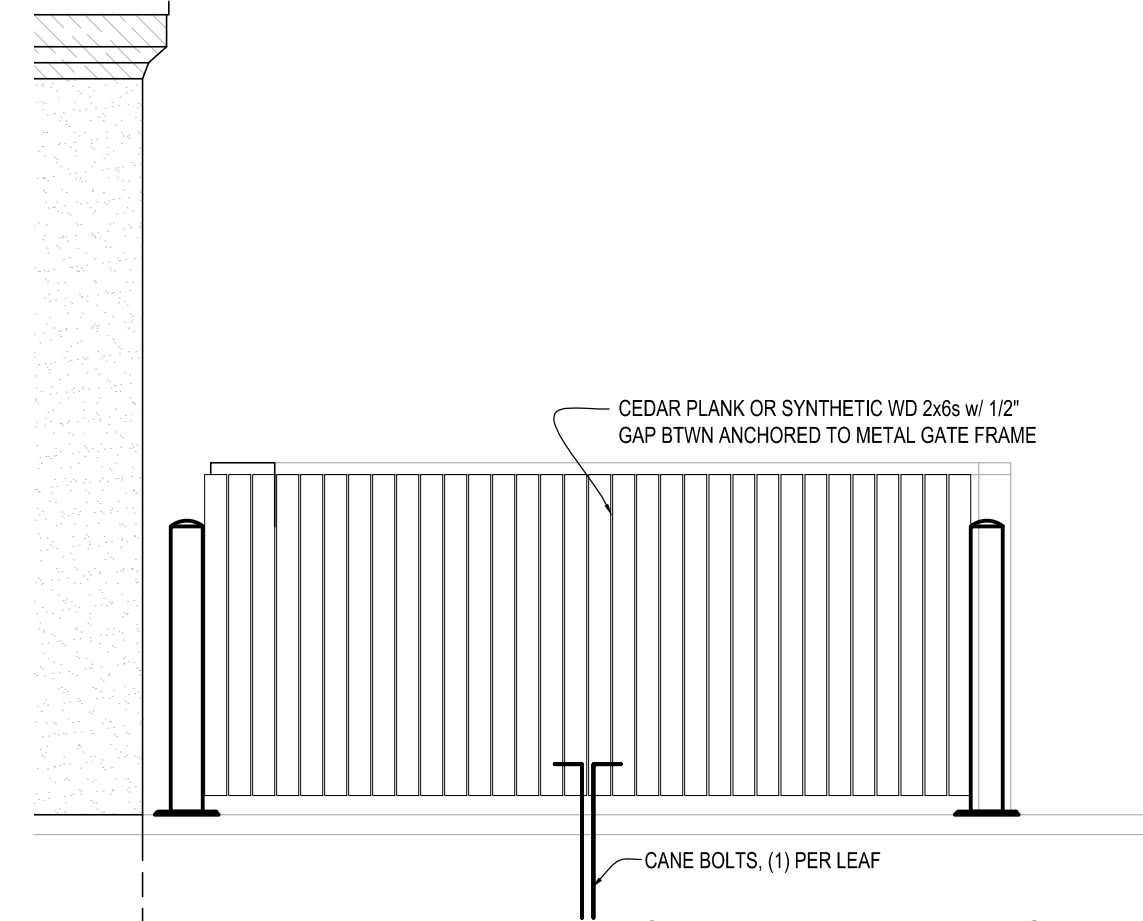
ALL SIGNAGE & AWNINGS ARE SHOWN FOR REFERENCE ONLY. GC TO COORDINATE W/ VENDORS & VERIFY REQMTS. GC/OWNER MUST DETAIN A SEPARATE PERMIT FOR EACH BEFORE INSTALL IF REQD BY MUNICIPALITY.



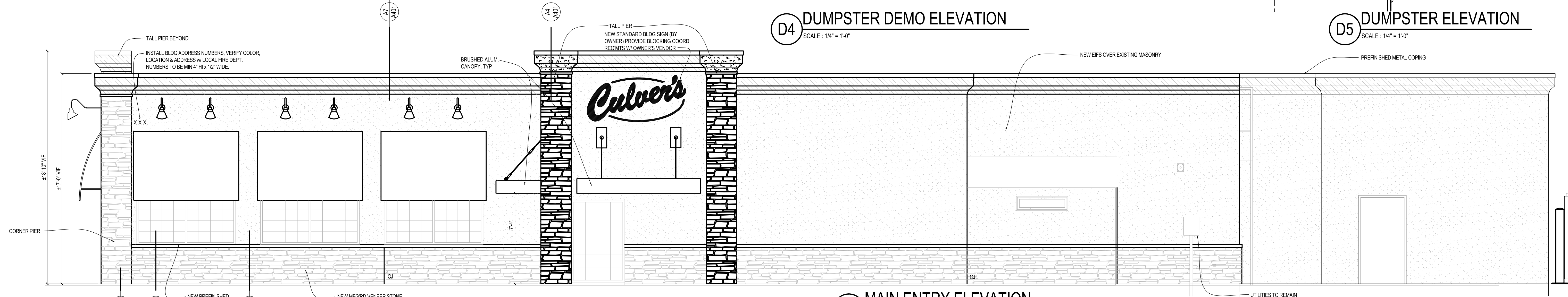
C5 MAIN ENTRY DEMO ELEVATION
SCALE: 1/4" = 1'-0"



D4 DUMPSTER DEMO ELEVATION
SCALE: 1/4" = 1'-0"



D5 DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



F5 MAIN ENTRY ELEVATION
SCALE: 1/4" = 1'-0"

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OWNER:
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1650 E. Main St.
Waukesha, WI 53186
Gary Beres 414-640-7533
Jill Beres 262-443-1969

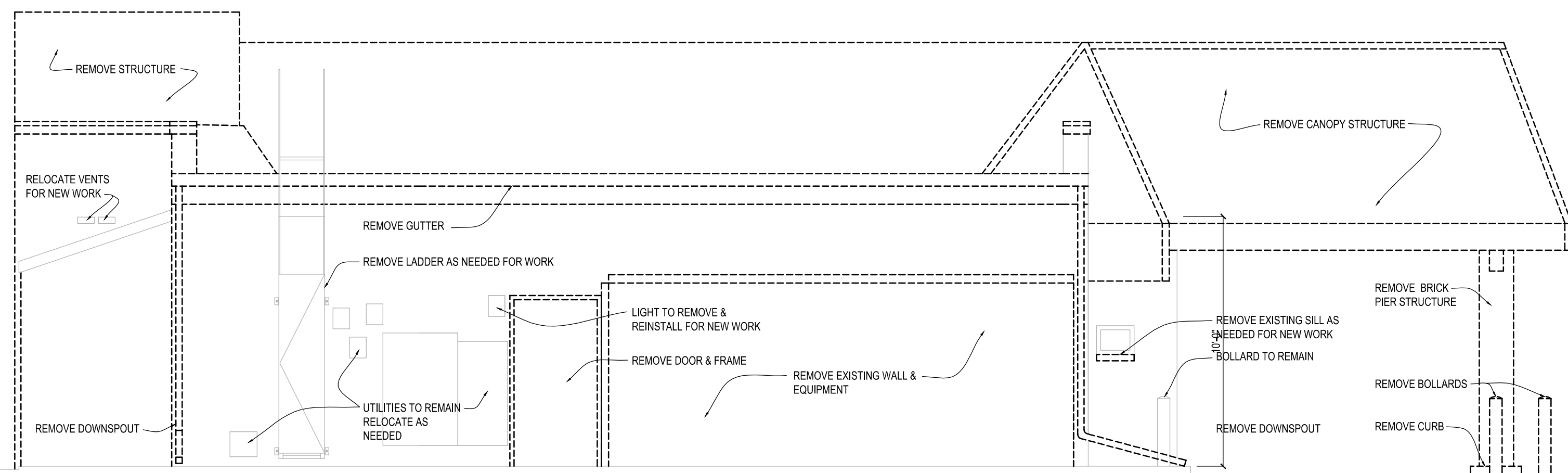
ARCHITECTS:
OLLMANN ERNEST MARTIN ARCHITECTS
609 South State Street
Bellevue Illinois 61008
815-544-7790 Phone
815-544-7792 Fax

BUILDING ELEVATIONS

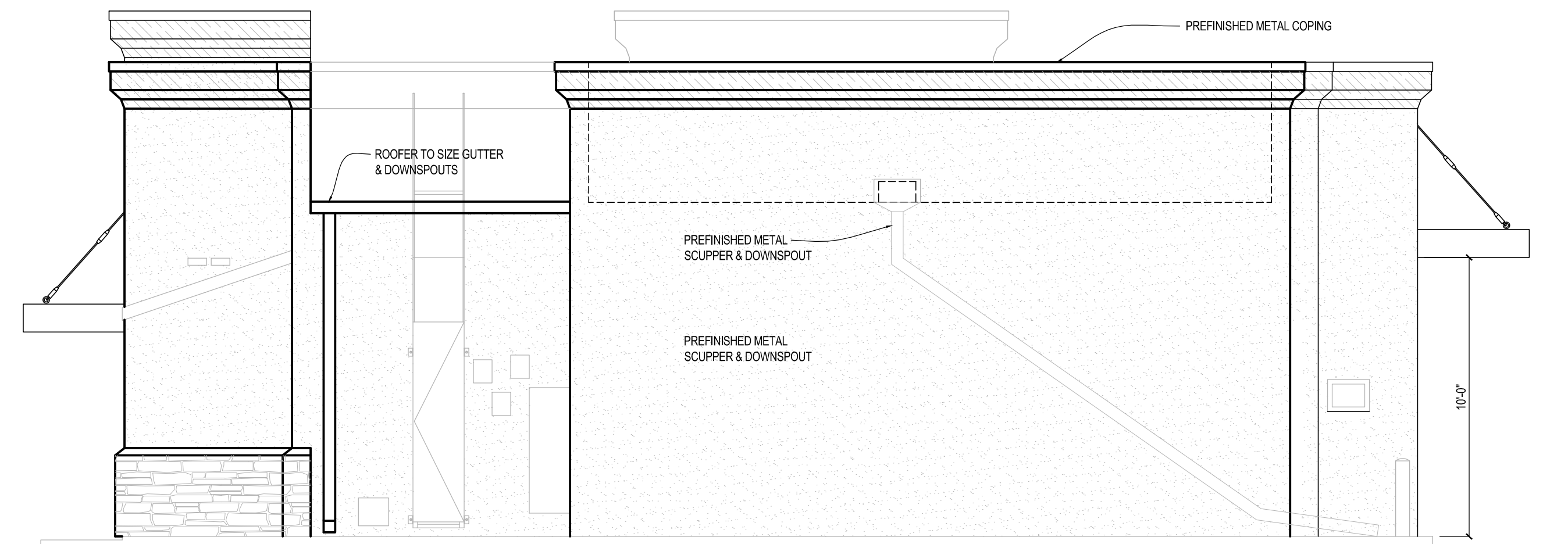
Date: 2-5-2016 Revision:

2015-093

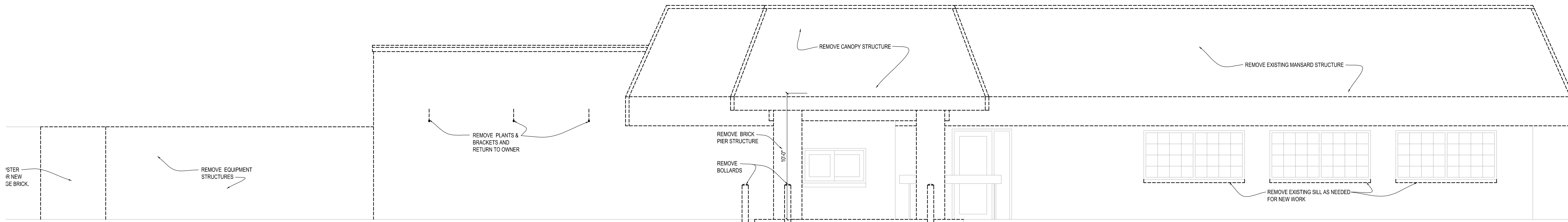
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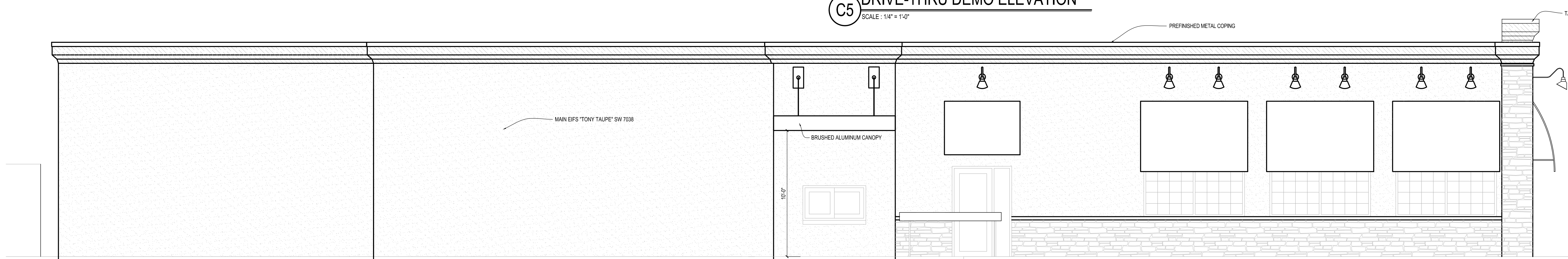
B2 REAR DEMO ELEVATION
SCALE: 1/4" = 1'-0"



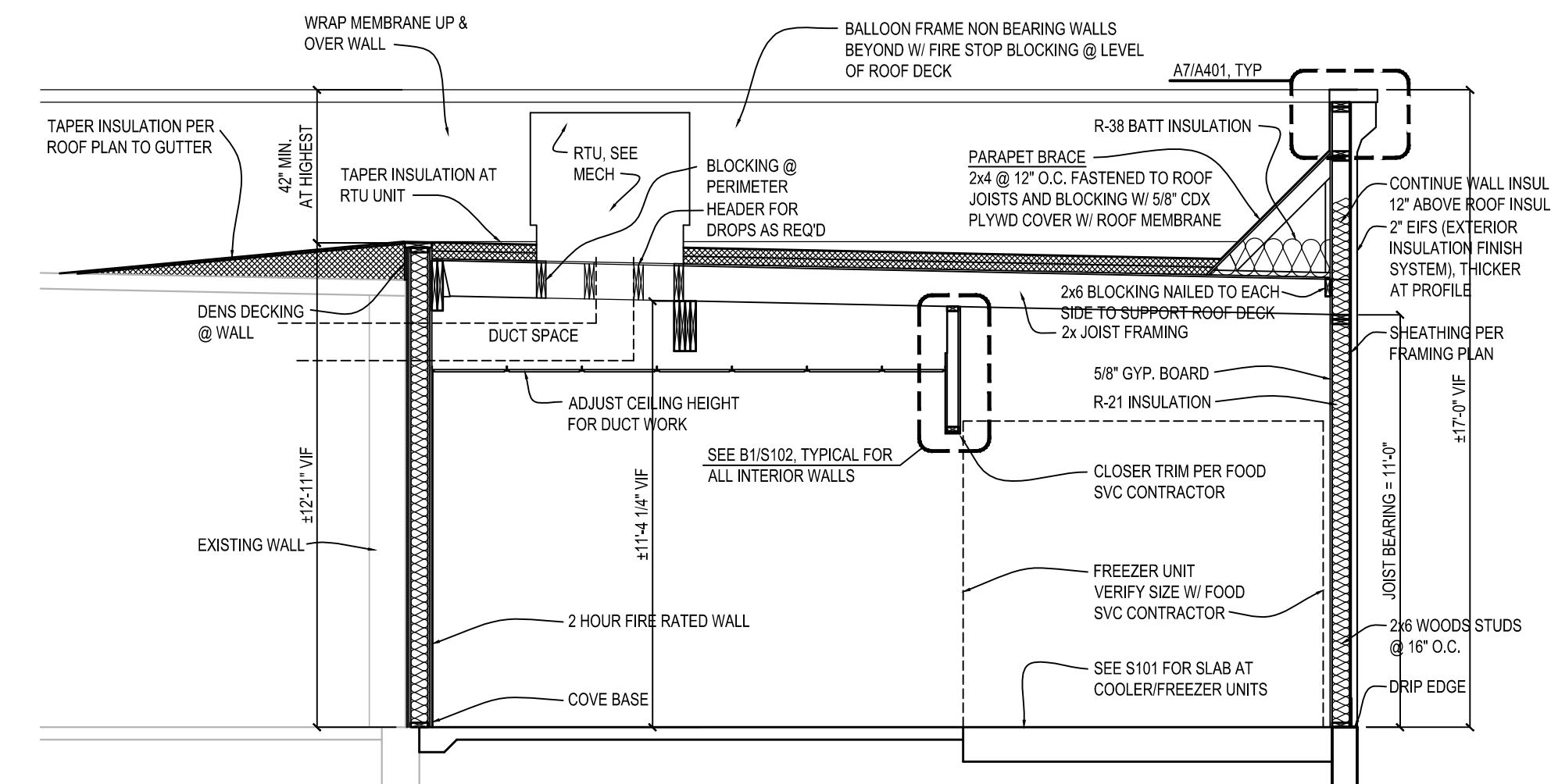
B5 REAR ELEVATION
SCALE: 1/4" = 1'-0"



C5 DRIVE-THRU DEMO ELEVATION
SCALE: 1/4" = 1'-0"



F5 DRIVE-THRU ELEVATION
SCALE: 1/4" = 1'-0"



H7 BUILDING SECTION
SCALE: 1/4" = 1'-0"

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608-643-7980

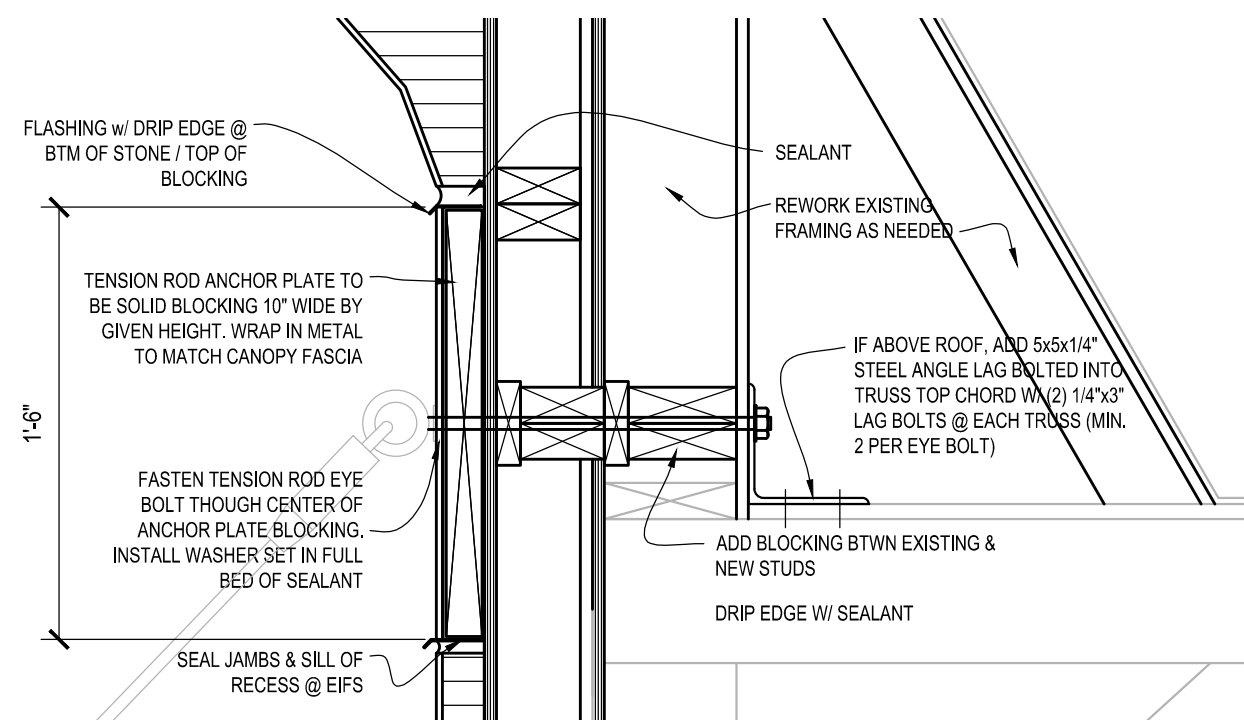
OWNER:
BERES FOODS, LLC
1650 E Main St
Waukesha, WI 53186
Gary Beres 414-640-7633
Jill Beres 262-443-1989

COLLMANN ERNEST MARTIN ARCHITECTS
509 South State Street
Belleville Illinois 61006
815-544-7790 Phone
815-544-7792 Fax

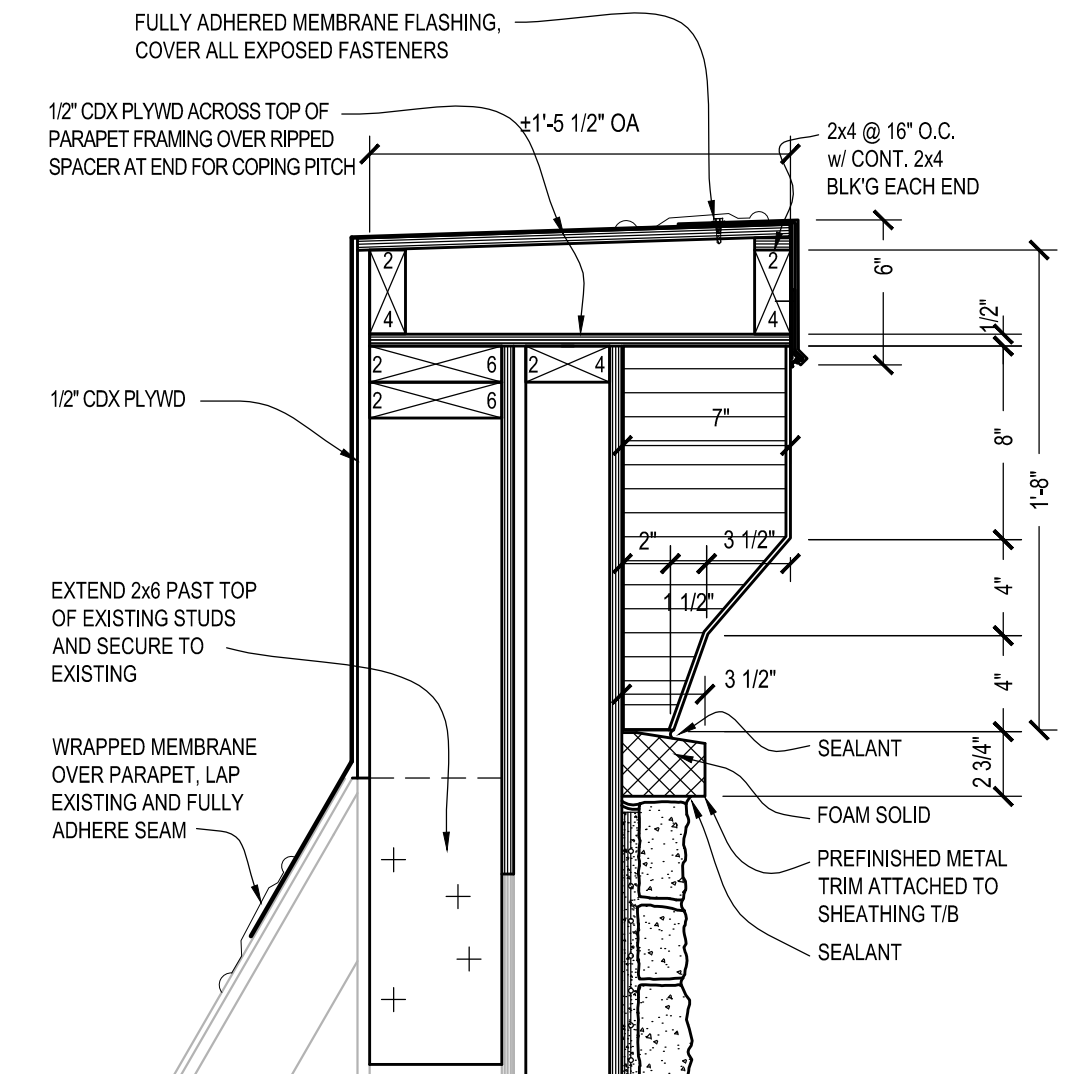
BUILDING ELEVATIONS & SECTIONS
Date: 2-5-2016 Revision:

2015-093

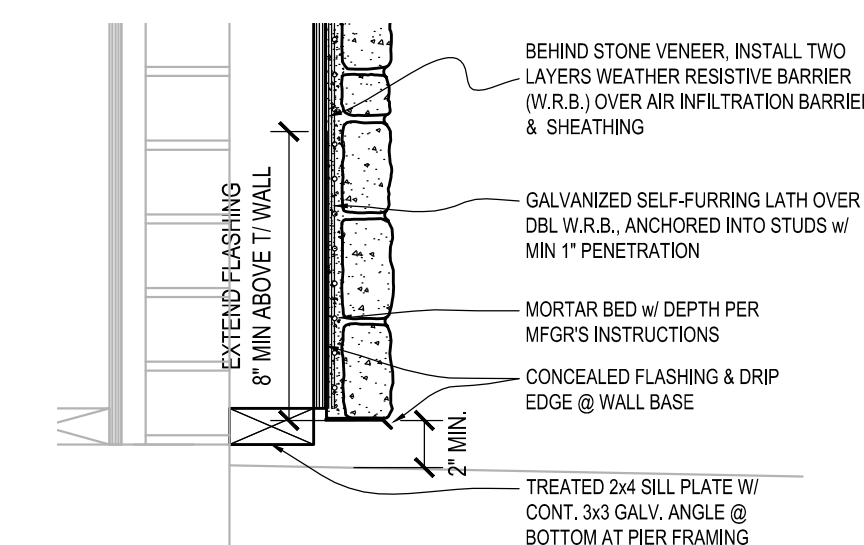
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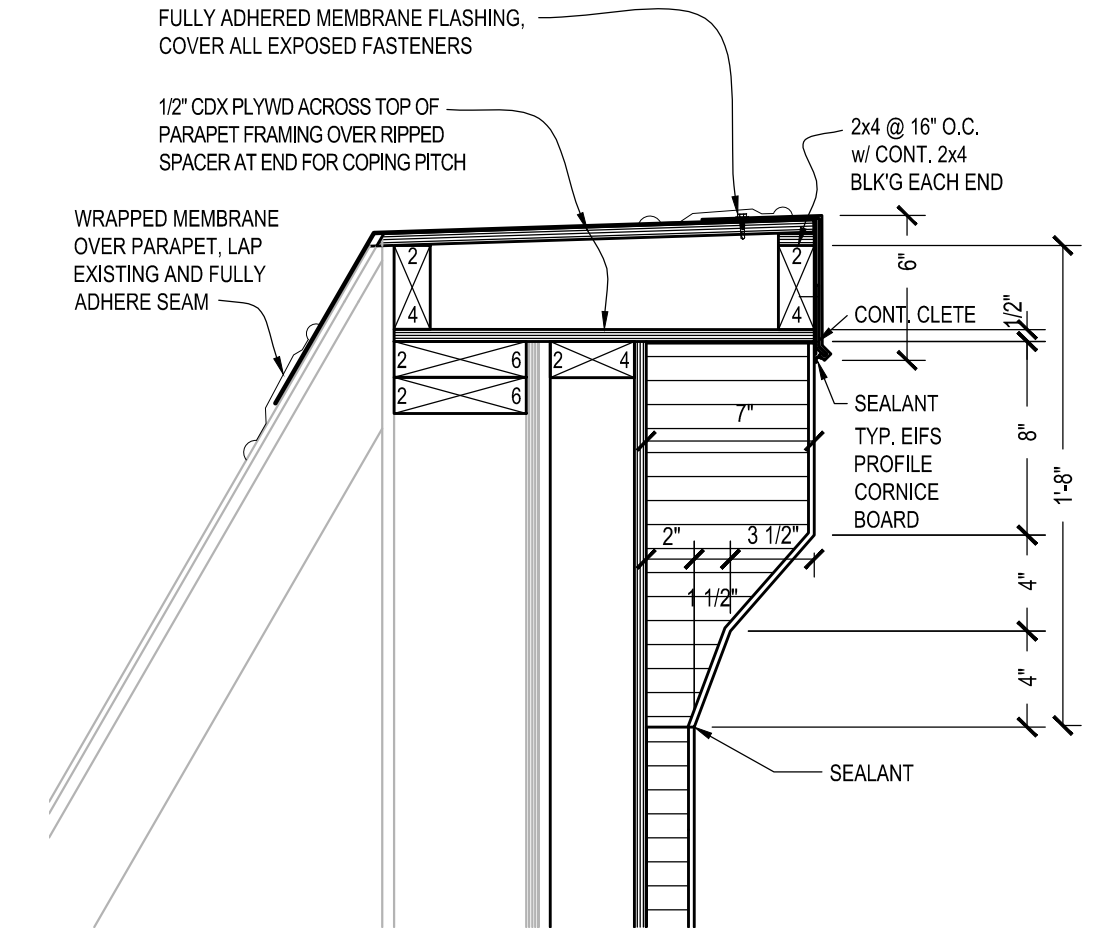
A2 ANCHOR PLATE
SCALE: 1 1/2" = 1'-0"



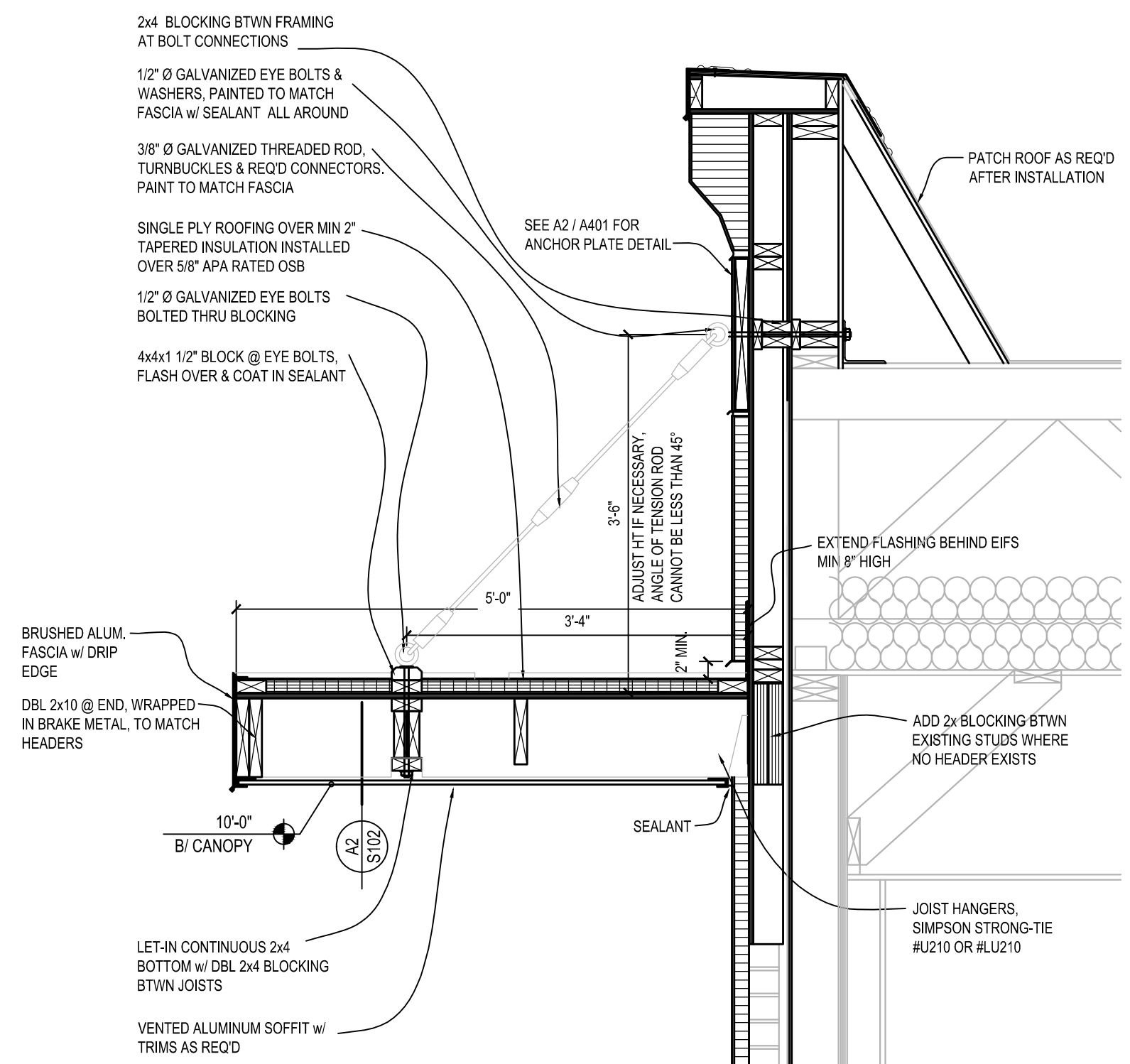
A4 STONE PIER TOP
SCALE: 1 1/2" = 1'-0"



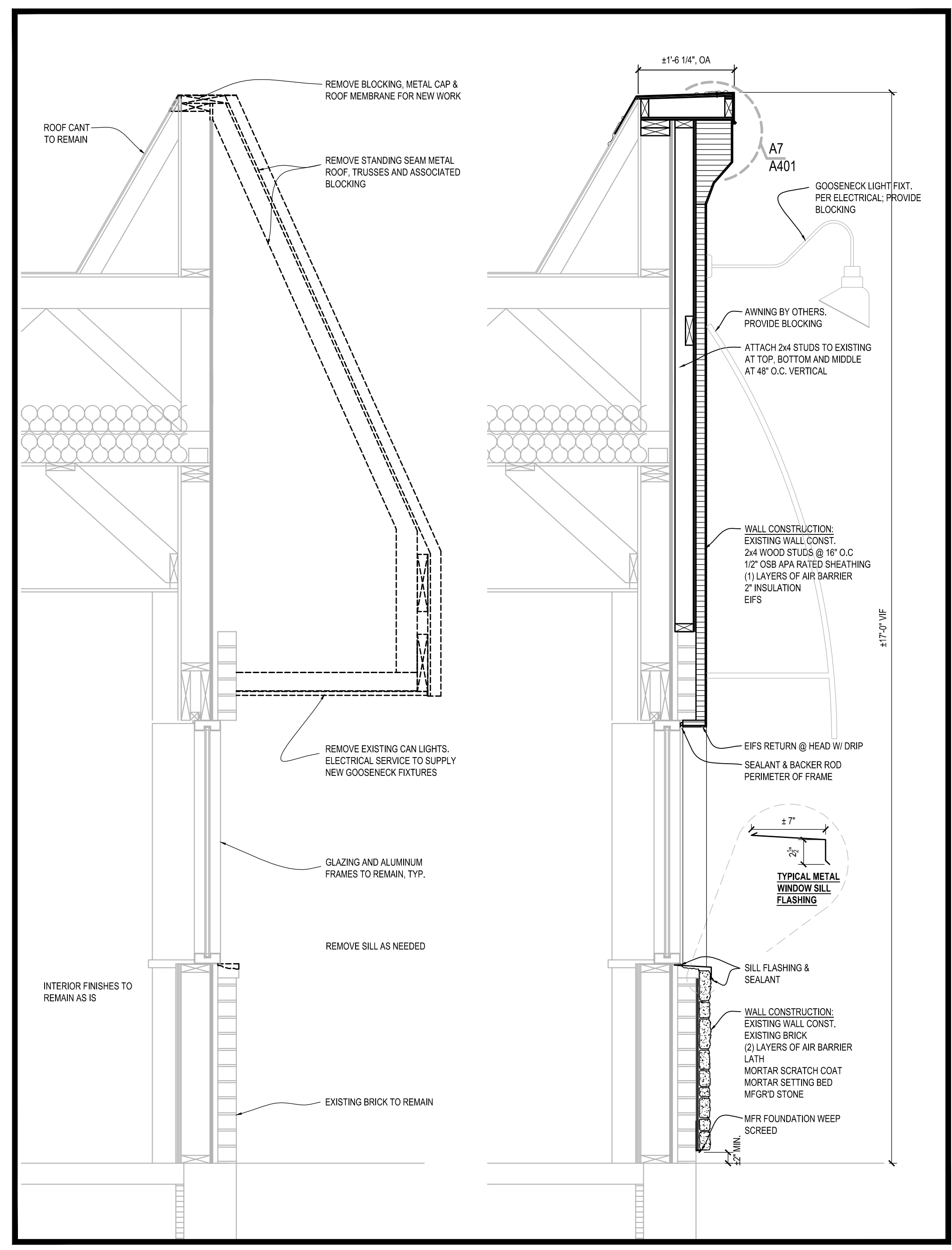
A6 STONE BACK-UP
SCALE: 1 1/2" = 1'-0"



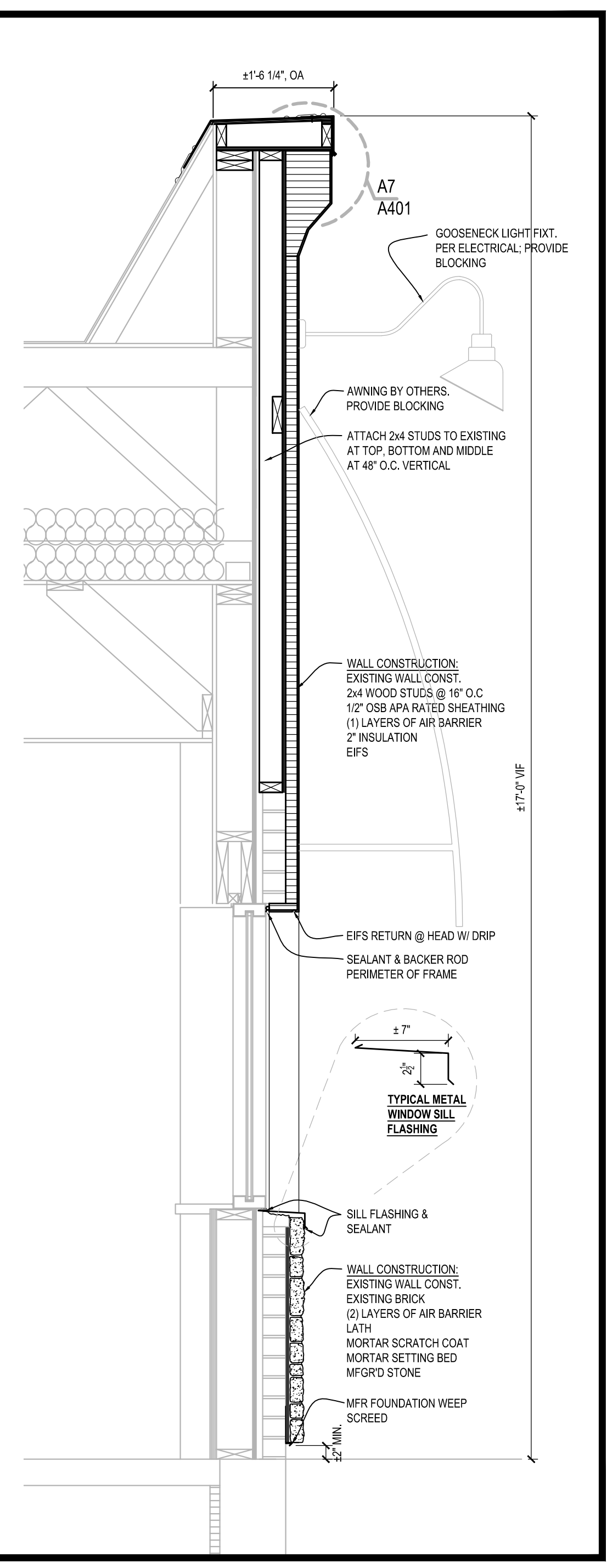
A7 PARAPET TOP
SCALE: 1 1/2" = 1'-0"



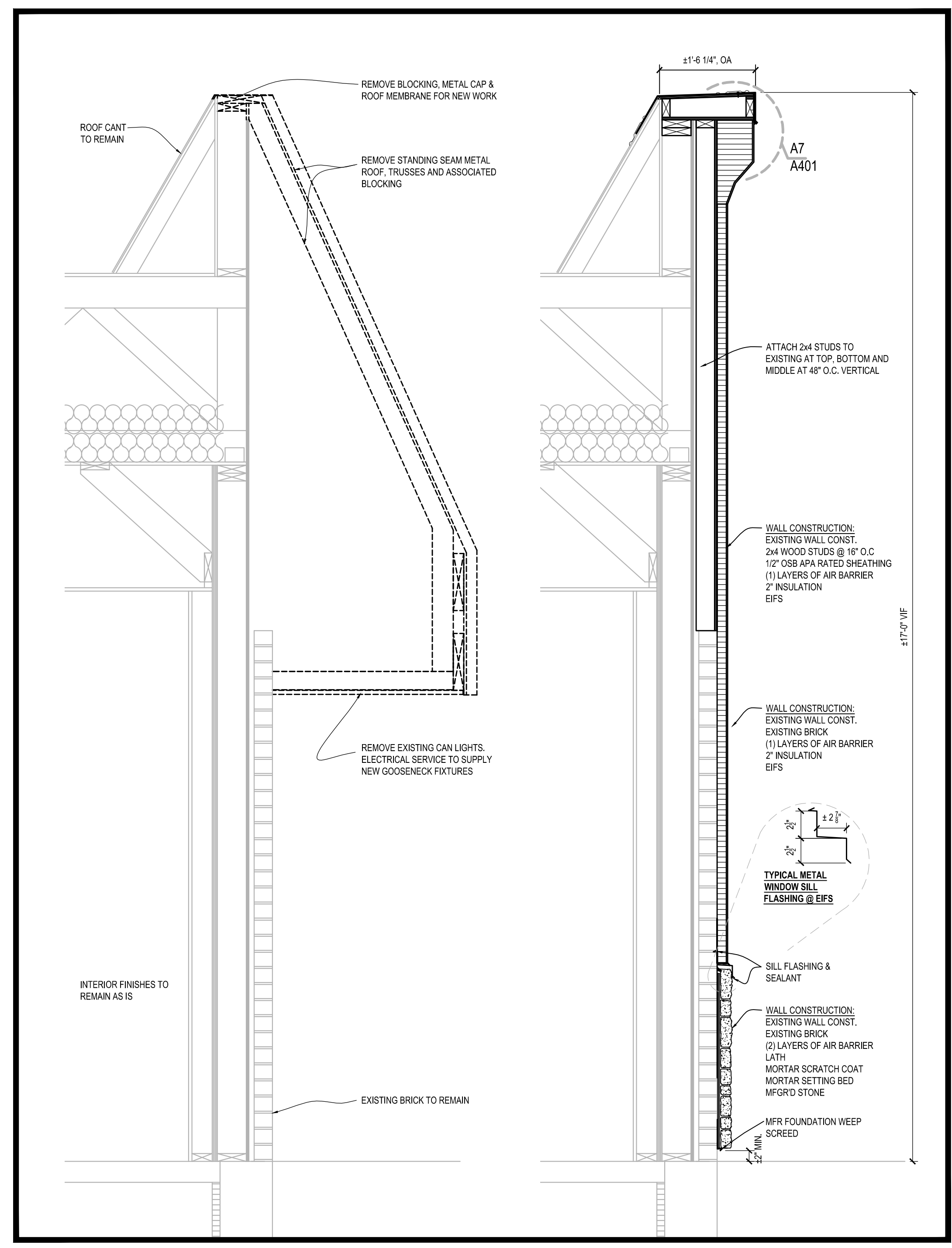
D2 WALL SECTION
SCALE: 3/4" = 1'-0"



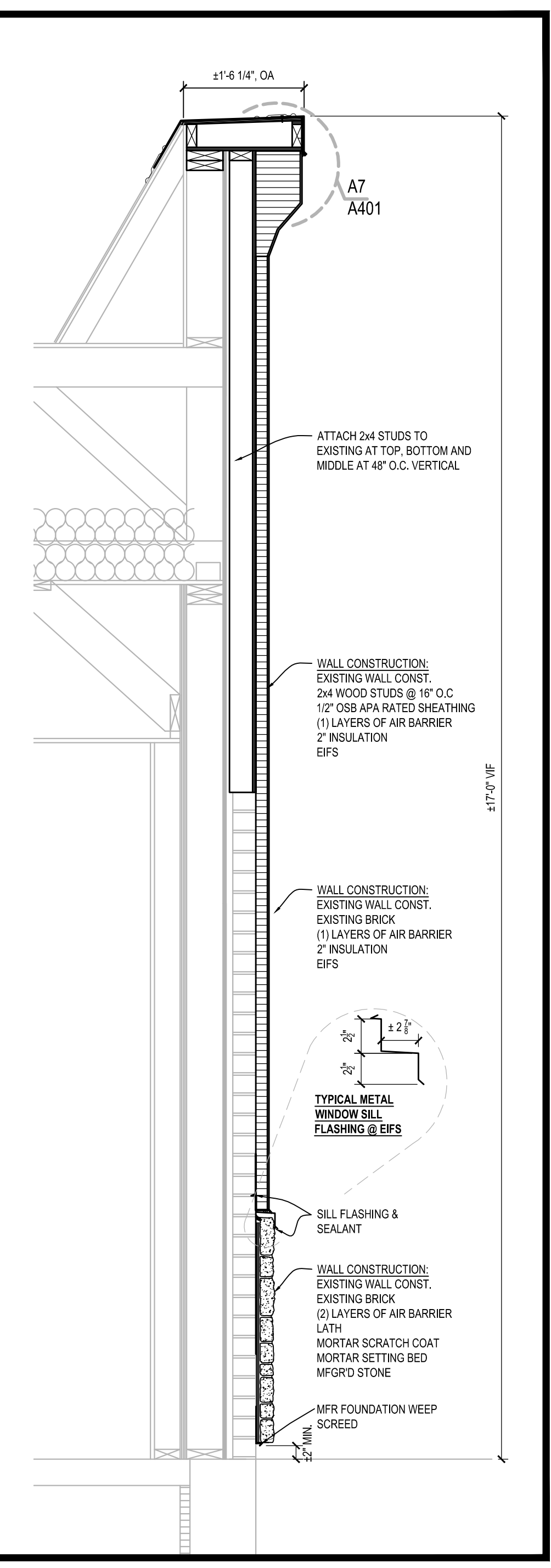
H4 DEMO SECTION
SCALE: 3/4" = 1'-0"



H5 WALL SECTION
SCALE: 3/4" = 1'-0"



H6 DEMO SECTION
SCALE: 3/4" = 1'-0"



H7 WALL SECTION
SCALE: 3/4" = 1'-0"

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Jill Beres 262-443-1989

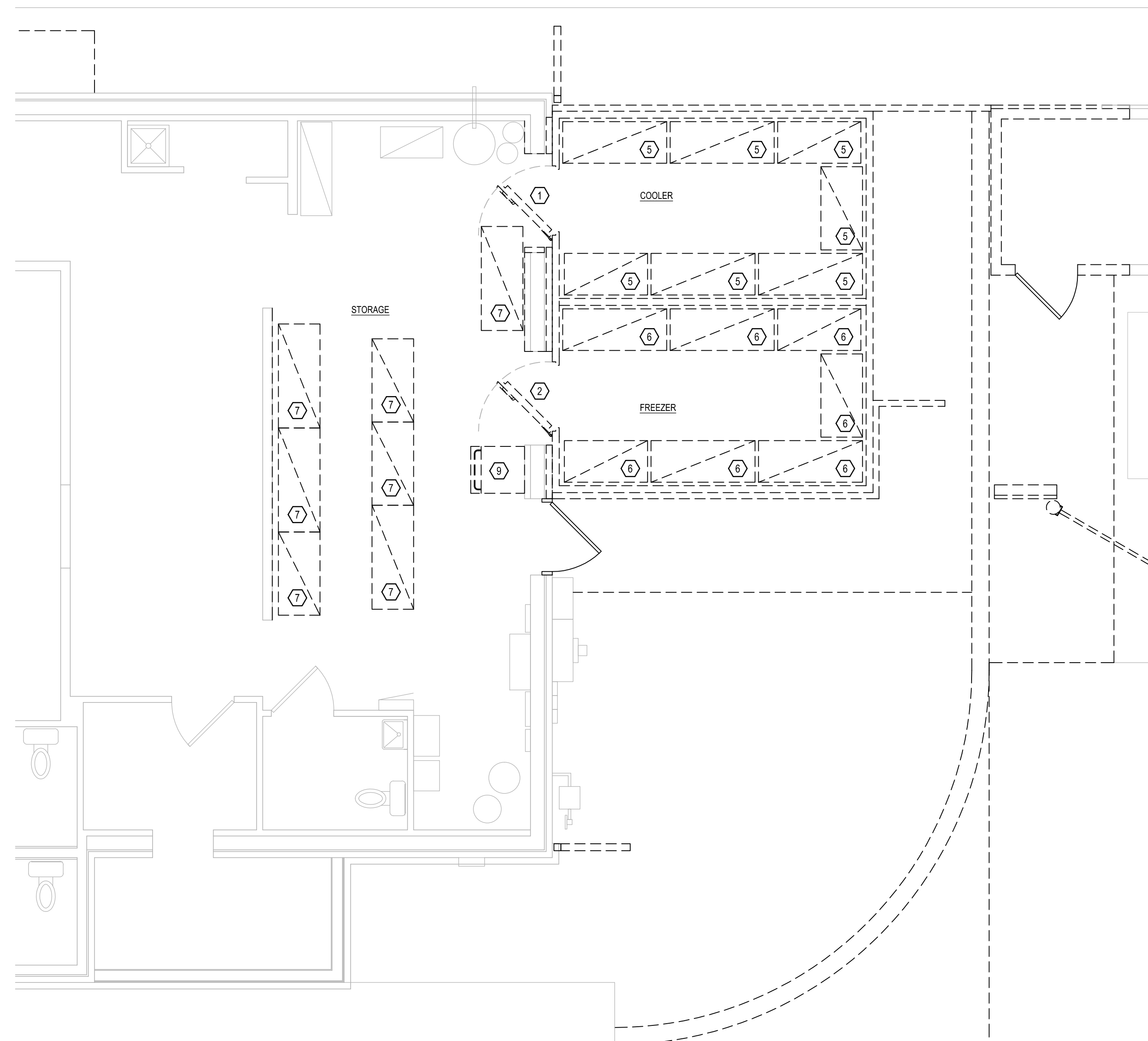
OILLMANN ERNEST MARTIN ARCHITECTS
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Bellevue Illinois 61008
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WALL SECTIONS & DETAILS

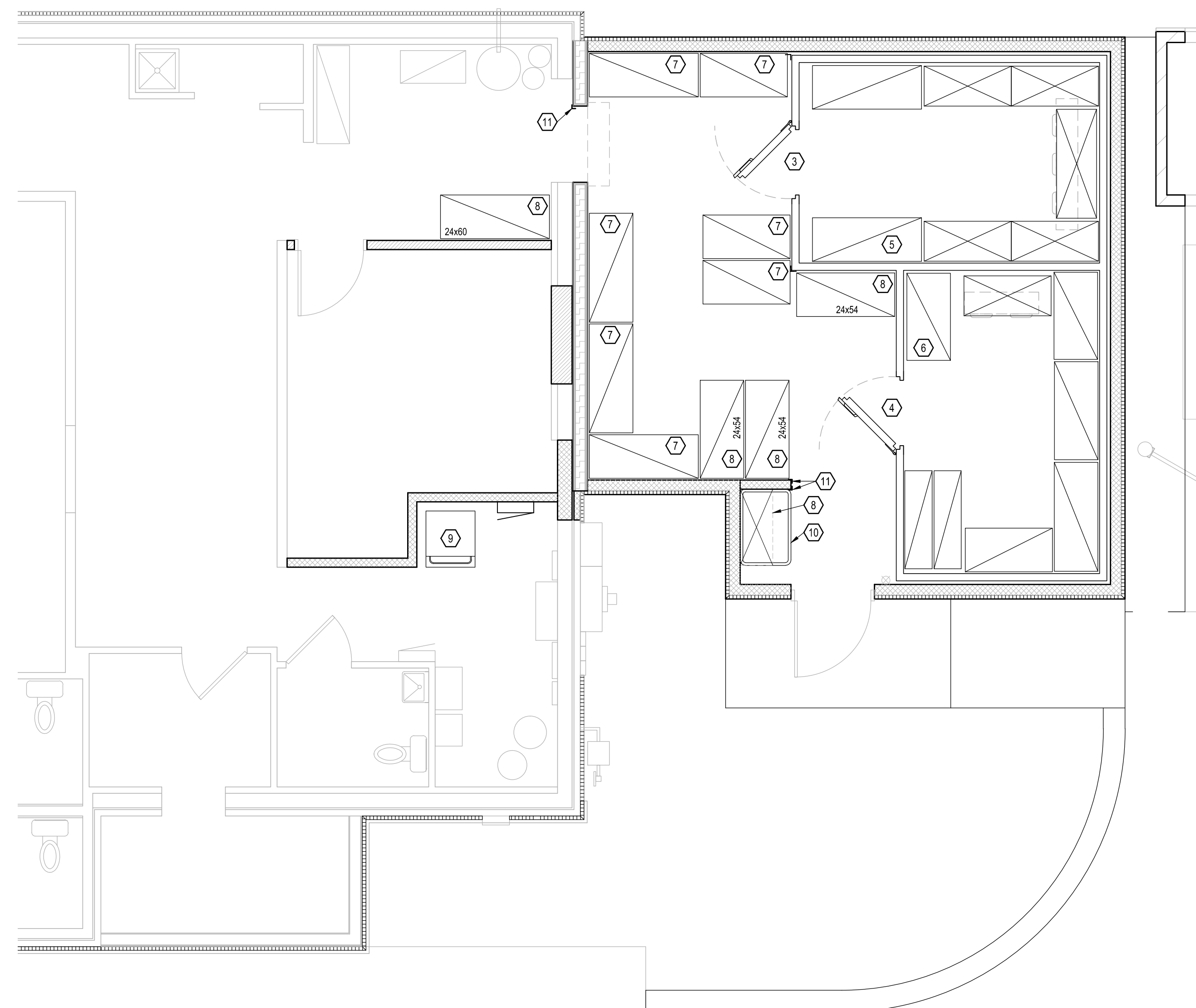
Date: 2-5-2016 Revision:

2015-093

A401



FOODSERVICE DEMO PLAN - CULVER'S OF WAUKESHA, WI
 SCALE: 1/4" = 1'-0"



FOODSERVICE PLAN - CULVER'S OF WAUKESHA, WI
 SCALE: 1/4" = 1'-0"

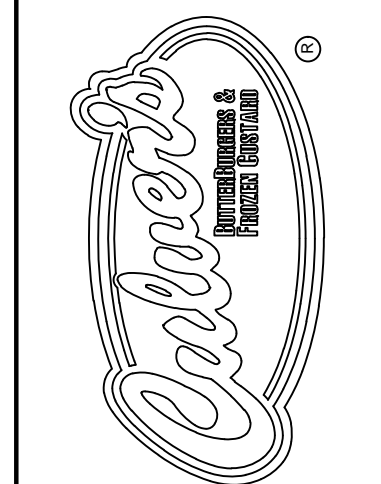
**OWNER FURNISHED, FOOD SERVICE EQUIPMENT
 CONTRACTOR (FSEC) INSTALLED**

ITEM	EQUIPMENT SCHEDULE
1	DEMO WALK IN COOLER
2	DEMO WALK IN FREEZER
3	NEW WALK IN COOLER
4	NEW WALK IN FREEZER
5	RELOCATED WALK-IN COOLER SHELVING
6	RELOCATED WALK-IN FREEZER SHELVING
7	RELOCATED SHELVING
8	NEW STORAGE SHELVING
9	RELOCATED WASHER
10	TRASH CANS/CART (BY OWNER)
11	WALL CORNER GUARDS

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Date	Revision	By

Culver Franchising System, Inc.
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 Prairie du Sac, WI 53578
 608-643-7980



OWNER:
 BERES FOODS, LLC
 1650 E MAIN STREET
 WAUKESHA, WI 53186
 GARY BERES
 414-640-7533
 JILL BERES
 262-443-1989

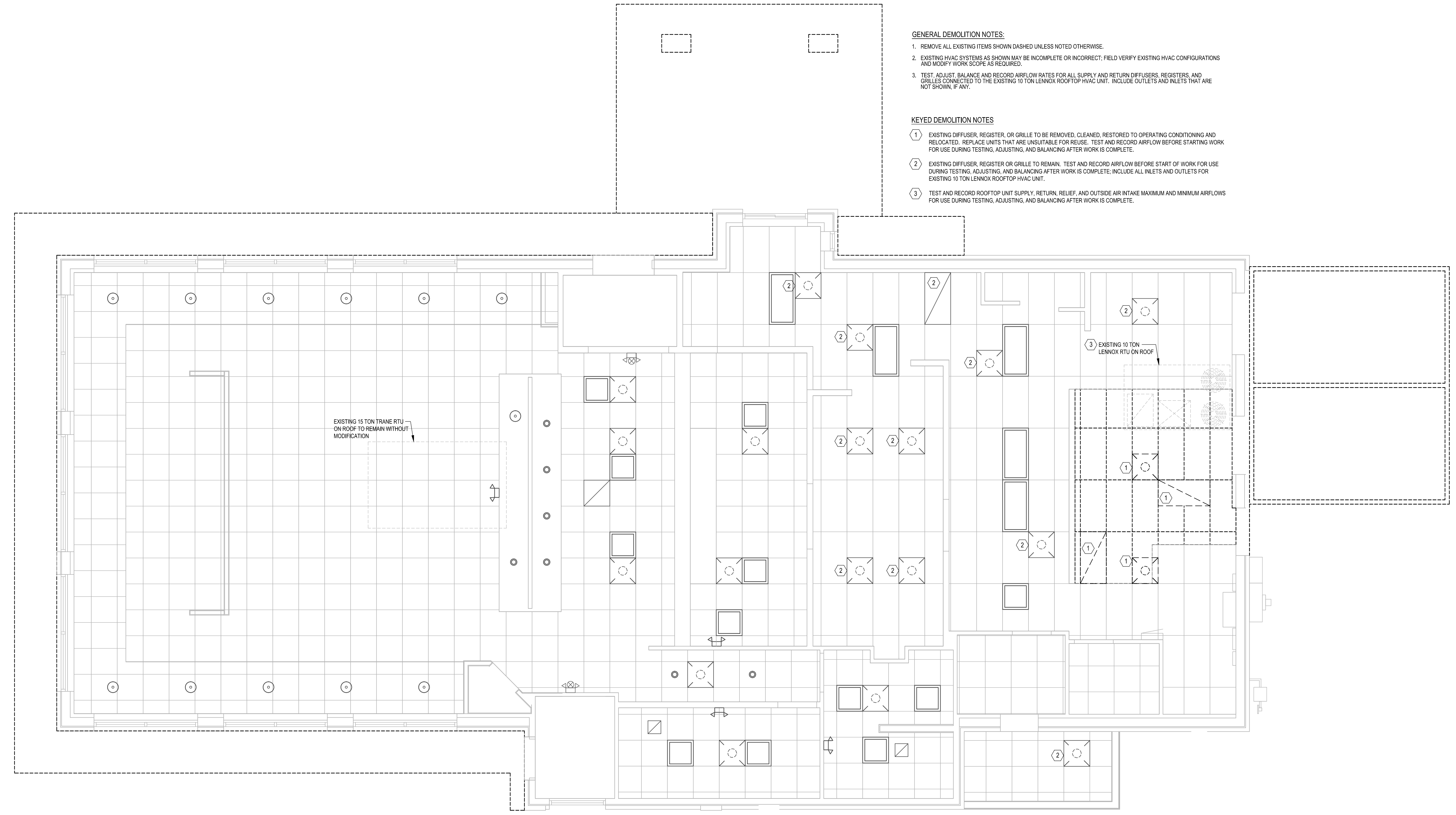
CULVER'S RESTAURANT RE-IMAGE
840 W Sunset Drive
Waukesha, WI 53189
 COUNTY OF WAUKESHA

Sheet Contents:
FOODSERVICE PLAN

Project No.
 Drawn By: V. YOUNG
 Date: FEBRUARY 5, 2016

Sheet
FS-1
 of ONE

- GENERAL DEMOLITION NOTES:**
1. REMOVE ALL EXISTING ITEMS SHOWN DASHED UNLESS NOTED OTHERWISE.
 2. EXISTING HVAC SYSTEMS AS SHOWN MAY BE INCOMPLETE OR INCORRECT; FIELD VERIFY EXISTING HVAC CONFIGURATIONS AND MODIFY WORK SCOPE AS REQUIRED.
 3. TEST, ADJUST, BALANCE AND RECORD AIRFLOW RATES FOR ALL SUPPLY AND RETURN DIFFUSERS, REGISTERS, AND GRILLES CONNECTED TO THE EXISTING 10 TON LENNOX ROOFTOP HVAC UNIT. INCLUDE OUTLETS AND INLETS THAT ARE NOT SHOWN, IF ANY.
- KEYED DEMOLITION NOTES:**
- 1 EXISTING DIFFUSER, REGISTER, OR GRILLE TO BE REMOVED, CLEANED, RESTORED TO OPERATING CONDITIONING AND RELOCATED. REPLACE UNITS THAT ARE UNSUITABLE FOR REUSE. TEST AND RECORD AIRFLOW BEFORE STARTING WORK FOR USE DURING TESTING, ADJUSTING, AND BALANCING AFTER WORK IS COMPLETE.
 - 2 EXISTING DIFFUSER, REGISTER OR GRILLE TO REMAIN. TEST AND RECORD AIRFLOW BEFORE START OF WORK FOR USE DURING TESTING, ADJUSTING, AND BALANCING AFTER WORK IS COMPLETE; INCLUDE ALL INLETS AND OUTLETS FOR EXISTING 10 TON LENNOX ROOFTOP HVAC UNIT.
 - 3 TEST AND RECORD ROOFTOP UNIT SUPPLY, RETURN, RELIEF, AND OUTSIDE AIR INTAKE MAXIMUM AND MINIMUM AIRFLOWS FOR USE DURING TESTING, ADJUSTING, AND BALANCING AFTER WORK IS COMPLETE.



1 HVAC DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

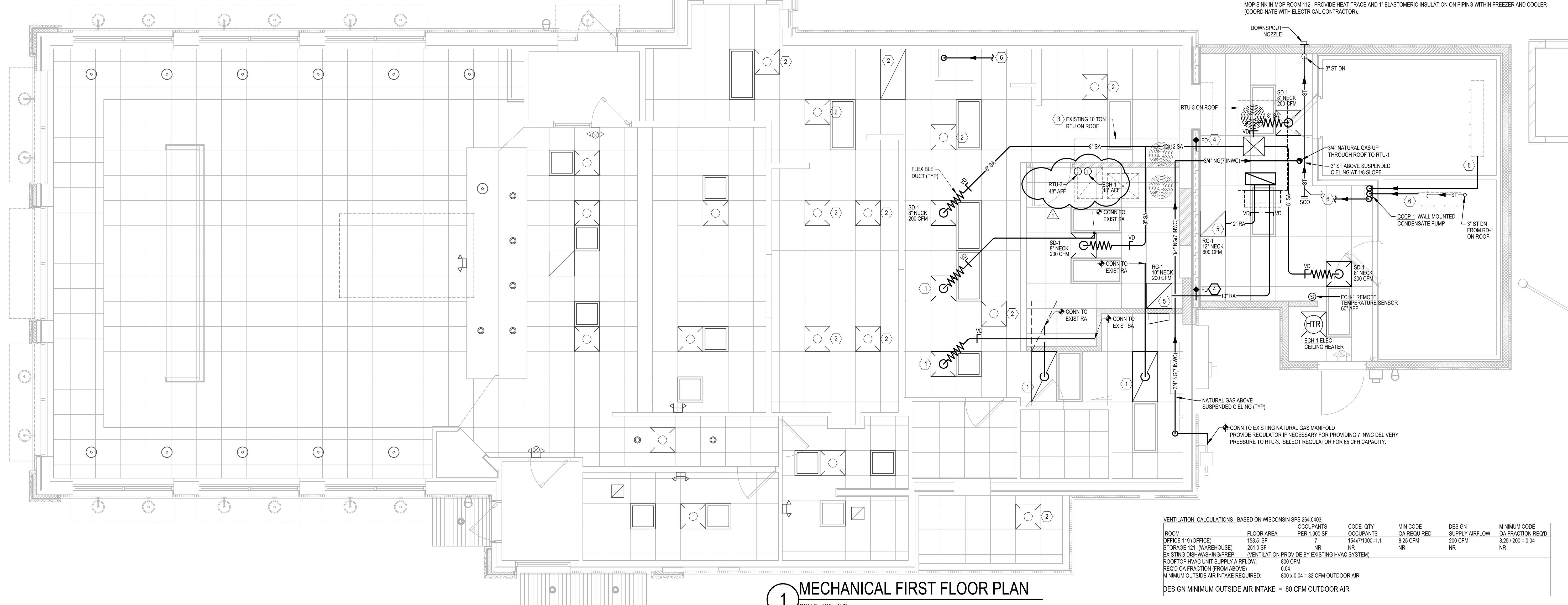
GENERAL NOTES:

- INDICATED DUCT SIZES FOR LINED DUCT ARE INSIDE DIMENSION. CLEAR OF DUCT LINER.
- PROVIDE DUCT LINER FOR ALL VERTICAL RECTANGULAR SUPPLY AND RETURN DUCT DROPS FROM RTU. PROVIDE DUCT LINER WITH MINIMUM 1" THICKNESS AND MINIMUM INSTALLED R-VALUE 4.0. INSTALL AS INDICATED, IN COMPLIANCE WITH NAIMA AND SMACNA GUIDES, AND IN COMPLIANCE WITH BUILDING CODES.
- EXISTING HVAC SYSTEMS AS SHOWN MAY BE INCOMPLETE OR INCORRECT. FIELD VERIFY EXISTING HVAC CONFIGURATIONS AND MODIFY WORK SCOPE AS REQUIRED.
- TEST, ADJUST, AND BALANCE HVAC SYSTEM RTU-3 AS INDICATED AND IN COMPLIANCE WITH BUILDING CODES.
- TEST, ADJUST, BALANCE AND RECORD AIRFLOW RATES FOR ALL SUPPLY AND RETURN DIFFUSERS, REGISTERS, AND GRILLES CONNECTED TO THE EXISTING 10 TON LENNOX ROOFTOP HVAC UNIT. INCLUDE OUTLETS AND INLETS THAT ARE NOT SHOWN, IF ANY.
- DO NOT ALTER EXISTING DUCTWORK, AIR INLETS, AIR OUTLETS, OR AIR BALANCE OF 15 TON TRANE ROOFTOP UNIT SYSTEM.
- PROVIDE TURNING VANES IN MITERED ELBOWS.
- INSTALL THERMOSTATS AT 4'-0" AFF. INSTALL REMOTE TEMPERATURE SENSORS AT 5'-0" AFF.
- VERIFY LOCATION OF ROOFTOP UNIT AND ELECTRIC CEILING HEATER THERMOSTATS AND SENSORS WITH OWNER.

- SET THERMOSTATS AT 70 DEGREE F FOR HEATING AND 76 DEGREE F FOR COOLING.
- PROVIDE BLACK STEEL GAS PIPING SYSTEM COMPLYING WITH APPLICABLE FUEL GAS CODE AND LOCAL CODES. PAINT OUTDOOR NATURAL GAS PIPING YELLOW. GAS PIPING INSTALLATION SHALL COMPLY WITH NFPA 44-2009 NATIONAL FUEL GAS CODE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT AND ITEMS INSTALLED IN CEILING.
- INSTALL RTU-1 CONDENSATE TRAP FURNISHED BY RTU MANUFACTURER. ARRANGE TRAP TO DISCHARGE CONDENSATE ON ROOF.
- DO NOT LOCATE PIPING OR DUCTWORK OVER ELECTRICAL PANELS.
- COORDINATE ALL WORK WITH WORK OF OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCES.
- PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE MECHANICAL SYSTEMS. ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE MECHANICAL AND ENERGY CODES.
- INSTALL ALL DUCT, PIPE, ETC AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.

KEYED NOTES:

- RELOCATED EXISTING DIFFUSER. CONNECT TO SAME SYSTEM WITH SAME DUCT SIZE, MATERIAL, AND INSULATION AS BEFORE RELOCATION. TEST, ADJUST, AND BALANCE TO SAME AIRFLOW RATE AS BEFORE START OF WORK.
- EXISTING DIFFUSER, REGISTER, OR GRILLE. TEST, ADJUST, AND BALANCE TO SAME AIRFLOW RATE AS BEFORE START OF WORK.
- EXISTING ROOFTOP UNIT ON ROOF. TEST, ADJUST, AND BALANCE SUPPLY, RETURN, RELIEF, AND OUTSIDE AIR INTAKE MAXIMUM AND MINIMUM AIRFLOW RATES TO SAME AS BEFORE START OF WORK.
- 1-1/2 HR DYNAMIC FIRE DAMPER AS REQUIRED BY CODE FOR 2 HOUR FIRE RESISTANCE RATED WALL. INSTALL IN COMPLIANCE WITH DAMPER MANUFACTURER'S INSTRUCTIONS, UL LISTING, AND APPLICABLE CODES. PROVIDE INSULATED DUCT ACCESS DOORS LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE. ACCESS POINTS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A LABEL HAVING LETTERS A MINIMUM OF 0.5 INCH HEIGHT READING "FIRE DAMPER".
- PROVIDE 24"x24" PLENUM BOX; 6" TALL FOR UNITS WITH TOP DUCT CONNECTIONS, 20 INCH TALL FOR UNITS WITH SIDE DUCT CONNECTIONS.
- COPPER EVAPORATOR COIL DRAIN PIPING FROM COOLING COIL DRAIN PANS TO WALL MOUNTED CONDENSATE PUMP CCCP-1. PROVIDE 3/4" PVC PIPING FROM PUMP DISCHARGE ABOVE SUSPENDED CEILING, TO OPEN SIGHT TERMINATION ABOVE FLOOD RIM OF MCP SINK IN MCP ROOM 112. PROVIDE HEAT TRACE AND 1" ELASTOMERIC INSULATION ON PIPING WITHIN FREEZER AND COOLER (COORDINATE WITH ELECTRICAL CONTRACTOR).

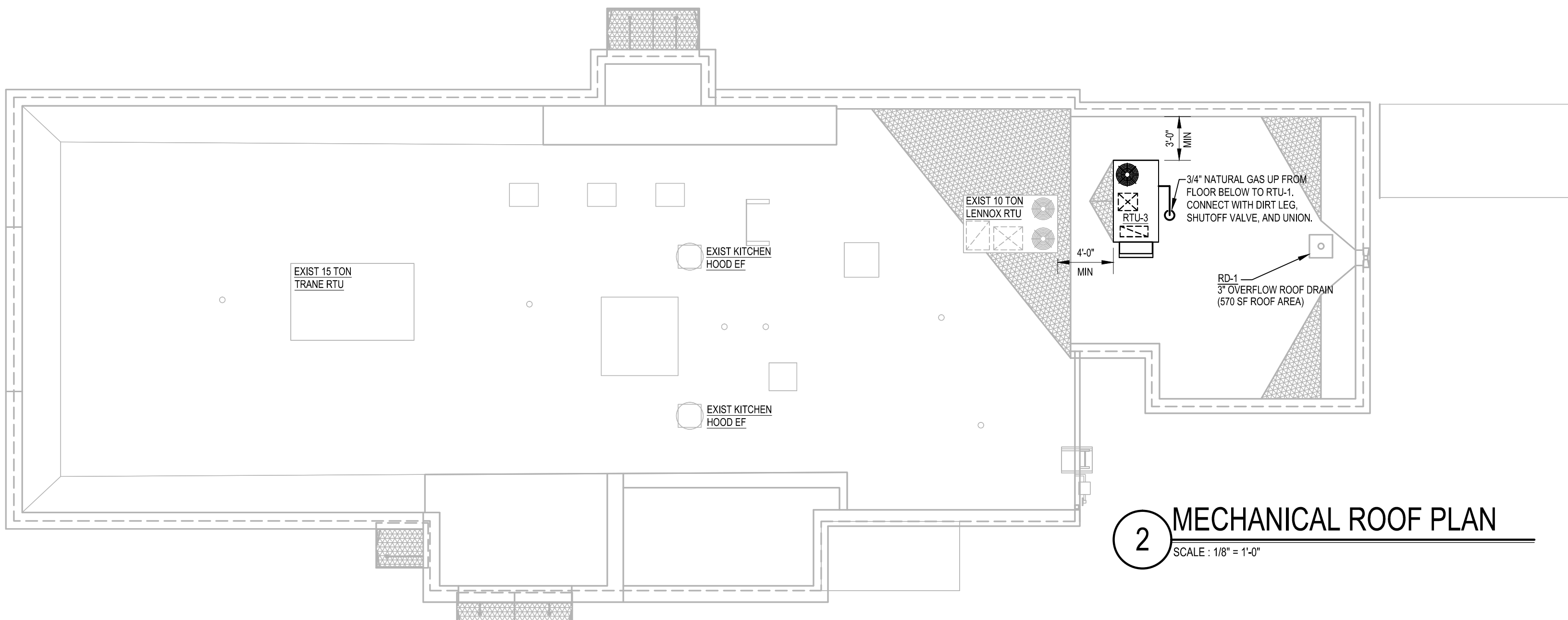


1 MECHANICAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

VENTILATION CALCULATIONS - BASED ON WISCONSIN SPS 264.0403

ROOM	FLOOR AREA	OCCUPANTS PER 1,000 SF	CODE QTY OCCUPANTS	MIN CODE OA REQUIRED	DESIGN SUPPLY AIRFLOW	MINIMUM CODE OA FRACTION REQ'D
OFFICE 119 (OFFICE)	153.5 SF	7	154x7/1000=1.1	8.25 CFM	200 CFM	8.25/200 = 0.04
STORAGE 121 (WAREHOUSE)	251.0 SF	NR	NR	NR	NR	NR
EXISTING DISHWASHING/PREP	(VENTILATION PROVIDED BY EXISTING HVAC SYSTEM)					
ROOFTOP HVAC UNIT SUPPLY AIRFLOW:	800 CFM					
REQ'D OA FRACTION (FROM ABOVE):	0.04					
MINIMUM OUTSIDE AIR INTAKE REQUIRED:	800 x 0.04 = 32 CFM OUTDOOR AIR					

DESIGN MINIMUM OUTSIDE AIR INTAKE = 80 CFM OUTDOOR AIR



2 MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

TAG	SERVICE	TYPE	MATERIAL	THROW	FACE	NECK	MOUNTING	MANUFACTURER/MODEL	Notes
SD-1	SUPPLY	SQUARE CONCENTRIC CONE	STEEL	4-WAY	24X24	SEE PLAN	LAY-IN	CARNES SFTB24	1, 2
RG-1	RETURN	GRID CORE ('EGGCRATE')	ALUMINUM	N/A	24X24	SEE PLAN	LAY-IN	CARNES RAPAH	2

DIFFUSER NOTES:
1. PROVIDE W/ ADJUSTABLE OPPOSED BLADE DAMPER
2. PROVIDE WITH WHITE FINISH UNLESS NOTED OTHERWISE.

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840 W Sunset Drive
Waukesha, WI 53189
County of WAUKESHA

Culver's
Culver's Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
608-643-7980

OWNER:
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1650 E. Main St.
Waukesha, WI 53186
Gary Beres 414-640-7533
Jill Beres 262-443-1989

OLLIMANN ERNEST MARTIN ARCHITECTS
509 South State Street
Bellevue Illinois 61008
815-544-7790 Phone
815-544-7792 Fax

MECHANICAL PLANS

Date: 2-5-2016
Revision: 2-19-2016

2015-093
M101

GENERAL NOTES

- DEVIATIONS FROM THE HVAC PLANS ARE THE RESPONSIBILITY OF THE HVAC CONTRACTOR & WILL NOT RESULT IN ADDITIONAL COSTS TO THE OWNER UNLESS WRITTEN CHANGE ORDERS ARE APPROVED BY THE OWNER.
- ALL WORK TO BE PERFORMED TO STATE CODE & SMACNA GUIDELINES.
- INSTALL UNITS ACCORDING TO MANUFACTURERS GUIDELINES.
- PROVIDE OWNER W/ OPERATION & MAINTENANCE MANUALS & SYSTEM SCHEMATICS.
- CONTRACTOR TO CONFIRM VOLTAGES & PHASES OF EQUIPMENT PRIOR TO INSTALLATION.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION (DRAWINGS ARE DIAGRAMMATIC IN NATURE & DO NOT REFLECT EXACT LOCATIONS OF EQUIPMENT OR OTHER APPARATUSSES.)
- PROVIDE SHOP DRAWINGS TO THE ARCHITECT/DESIGNER FOR EQUIPMENT, FANS, REGISTERS, ETC. PRIOR TO PROCUREMENT.
- PROVIDE OWNER W/ COLOR CHOICES FOR SWITCHES & OTHER APPARATUSSES WHERE APPLICABLE.
- HANG & SUPPORT MATERIALS SHALL BE INSTALLED THE LATEST EDITION OF THE ASHRAE HANDBOOK OF FUNDAMENTALS, EQUIPMENT INSTALLATION INSTRUCTIONS, AND IN COMPLIANCE WITH APPLICABLE CODES.
- MAINTAIN AT LEAST 10 FEET CLEARANCE FROM INTAKES OR WINDOWS AND ALL EXHAUST VENTS AND ROOF DRAINS.
- TEST, ADJUST, & CALIBRATE CONTROL SYSTEMS AS REQUIRED. PROVIDE SCHEMATICS / DESCRIPTION TO THE OWNER PRIOR TO INSTALLATION.
- INSTALLER IS RESPONSIBLE FOR FINAL TEST & BALANCING DURING TRAINING WEEK. PROVIDE WRITTEN REPORT BY THIRD PARTY INDEPENDENT TAB CONTRACTOR.
- INSTALL GAS PIPING FROM EXISTING GAS METER TO RTU-3. COMPLY WITH APPLICABLE CODE REQUIREMENTS. LABEL PIPING AS REQUIRED. PROVIDE GAS PRESSURE REGULATOR IF NECESSARY TO REDUCE SUPPLY PRESSURE AT RTU-3 TO 7 INWC.
- CONTRACTOR TO VERIFY GAS METER CAPACITY AND SUPPLY PRESSURE W/ LOCAL GAS SUPPLIER.
- VERIFY W/ OWNER EXACT HEATER LOCATION TO AVOID BUILDING FUNCTION INTERFERENCE.
- NIGHT SET BACK THERMOSTAT TO BE INSTALLED ON ALL HVAC EQUIPMENT.
- EXHAUST FANS & FURNACE FANS TO RUN CONTINUOUSLY DURING OCCUPIED MODE.
- REPLACE ALL AIR FILTERS PRIOR TO TURNING SYSTEM OPERATIONS OVER TO OWNER.
- HVAC CONTRACTOR IS RESPONSIBLE FOR A COMPLETE & FULLY WORKING SYSTEM.
- DUCT DIMENSIONS LISTED ARE NET, FREE, AND CLEAR INSIDE DIMENSIONS.
- VERIFY DUCT LOCATIONS PRIOR TO FABRICATION. (VERIFY LIMITED AREA FOR DUCTWORK & OTHER APPARATUSSES.)
- INSULATE DUCT WORK TO COMPLY WITH SMACNA GUIDELINES & APPLICABLE CODES.
- INSTALL VOLUME CONTROL DAMPERS AS INDICATED ON PLANS.
- FLEXIBLE ROUND DUCT WORK NOT TO EXCEED 2 FEET IN LENGTH. AVOID UNNECESSARY TURNS & SLACK.
- RETURN AIR DUCT WORK TO BE LINED FOR SOUND ATTENUATION.
- DUCT WORK TO BE STANDARD GAUGE GALVANIZED SHEET METAL (FIBROUS DUCT NOT ALLOWED.)
- COORDINATE WORK W/ GENERAL CONTRACTOR & OWNER TO MAXIMIZE CEILING HEIGHT & AVOID CONFLICTS.

NATIONAL ACCOUNT PROGRAM

- LENNOX INDUSTRIES, INC.:**
CONTACT CORY BARSCHDORF @ 773-383-6155 FOR ROOFTOP UNITS.
- ACCUREX (A GREENHECK FAN CORPORATION):**
CONTACT CHRIS ANDERSON @ 715-651-8173 FOR KITCHEN HOODS, EXHAUST FANS, ROOF CURBS & ACCESSORIES.
- CARNES COMPANY:**
CONTACT BRIAN BAKER @ 1-808-945-6411 FOR DIFFUSERS AND GRILLES.

MECHANICAL EQUIPMENT SPECIFICATIONS

- RTU-3 **LENNOX "LANDMARK" KGB02ASAD** 2 TON (NOMINAL) ROOFTOP HVAC UNIT WITH GAS HEATING/ELECTRIC COOLING AND THE FOLLOWING:
- HEATING:** SINGLE STAGE NATURAL GAS HEATING, STAINLESS STEEL HEAT EXCHANGER, **65.0 MBH INPUT**, 52.0 MBH OUTPUT, AND 81% THERMAL EFFICIENCY. PROVIDE VERTICAL COMBUSTION AIR AND VENT EXTENSIONS.
 - COOLING:** 24.1MBH AHRI NET COOLING CAPACITY, 12.7 BTU/HW AHRI EER MECHANICAL REFRIGERATION SYSTEM WITH R-410A REFRIGERANT, SCROLL COMPRESSOR, AND COMPRESSOR CRANKCASE HEATER
 - SUPPLY FAN:** DIRECT DRIVE, 3 SPEED, 1/4 HP MOTOR, SET FOR NOMINAL 800 CFM SUPPLY
 - ECONOMIZER: MODULATING 0-100% OUTDOOR AIR ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL, BAROMETRIC RELIEF, INTAKE WEATHER HOOD, AND RELIEF WEATHER HOOD. SET DAMPERS FOR 80 CFM MINIMUM OUTSIDE AIR INTAKE.
 - ROOF CURB: 24" TALL, MATCHING UNIT DIMENSIONS, USNRC APPROVED, WITH NAILING STRIP. FIELD INSULATE ROOF WITHIN CURB WITH 6" THICK MINIMUM SOUND ATTENUATING BATT INSULATION.
 - FILTERS: DISPOSABLE, PLEATED, MERV 8
 - COOLING COIL DRAIN CONDENSATE TRAP: PVC, SHIPPED LOOSE
 - COOLING COIL DRAIN PAN OVERFLOW SWITCH
 - COMBINATION COIL/HAUL GUARDS
 - HINGED ACCESS PANELS
 - THERMOSTAT: HONEYWELL OR EQUAL T7350 NIGHT SET BACK THERMOSTAT.
 - ELECTRICAL:** 208/230 VAC, 3 PH, 25 AMPS MOCP, 16 AMPS MCA.
 - NO SUBSTITUTIONS.**
- ECH-4 **ELECTRIC CEILING HEATER** Q-MARK OR EQUAL CDF-548 ELECTRIC CEILING HEATER & CDF RECESSED MOUNTING FRAME, CDF-TR4 TRANSFORMER & THERMOSTAT, 208/240 VAC, SINGLE PHASE, 19.2 AMPS, 4 KW, 300 CFM SUPPLY AIR (WIRING SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.)
- CCCP-1 **COOLING COIL CONDENSATE PUMP:** LITTLE GIANT VMKX-20ULS-C CONDENSATE PUMP OR EQUAL WITH 115VAC MOTOR, FLOAT SWITCH CONTROL, HIGH LEVEL FLOAT SWITCH WITH ALARM CONTACTS, AND CONDENSATION PREVENTION SLEEVE. MOUNT WALL AS HIGH AS POSSIBLE ON FABRICATED WELDED STAINLESS STEEL ANGLE BRACKETS. PROVIDE 3/4" PVC PUMP DISCHARGE PIPING FROM PUMP TO OPEN SIGHT AIR GAP TERMINATION AT MOP SINK IN ROOM.

CONTROL NOTES

- WIRE RTU-3 TO SHUT-DOWN AND CLOSE OUTDOOR AIR DAMPER UPON ACTIVATION OF THE EXISTING ANSUL SYSTEM.
- WIRE RTU-3 TO SHUT-DOWN AND CLOSE OUTDOOR AIR DAMPER UPON ACTIVATION OF ANY EXISTING IN-DUCT SMOKE DETECTOR.
- OCCUPIED MODE: RTU-3 SUPPLY FAN TO RUN CONTINUOUSLY AND OPEN ECONOMIZER DAMPERS TO MINIMUM OUTDOOR AIR INTAKE SETTING (DETERMINED BY TAB CONTRACTOR).
- UNOCCUPIED MODE: RTU-3 SUPPLY FAN TO RUN ONLY ON COOLING OR HEATING DEMAND, ECONOMIZER OUTSIDE AIR INTAKE DAMPERS COMPLETELY CLOSE.

TEST & BALANCE NOTES

- ACCUREX WILL PROVIDE BALANCED AIRFLOW & FUNCTIONAL CHARACTERISTICS OF THE HVAC SYSTEM AS THEY RELATE TO AIRFLOW & AIR PRESSURE ONLY. TESTING, ADJUSTING, AND BALANCING SERVICES TO BE PERFORMED BY A CERTIFIED NEBB FIRM & ITS MANAGING GROUP **NATIONAL TAB**.
- SERVICES NOT INCLUDED, PULLEY / SHEAVE CHANGES, MOTOR CHANGE OUTS, OR RETURN TRIPS DUE TO DELAYS CAUSED BY JOB INCOMPLETENESS.

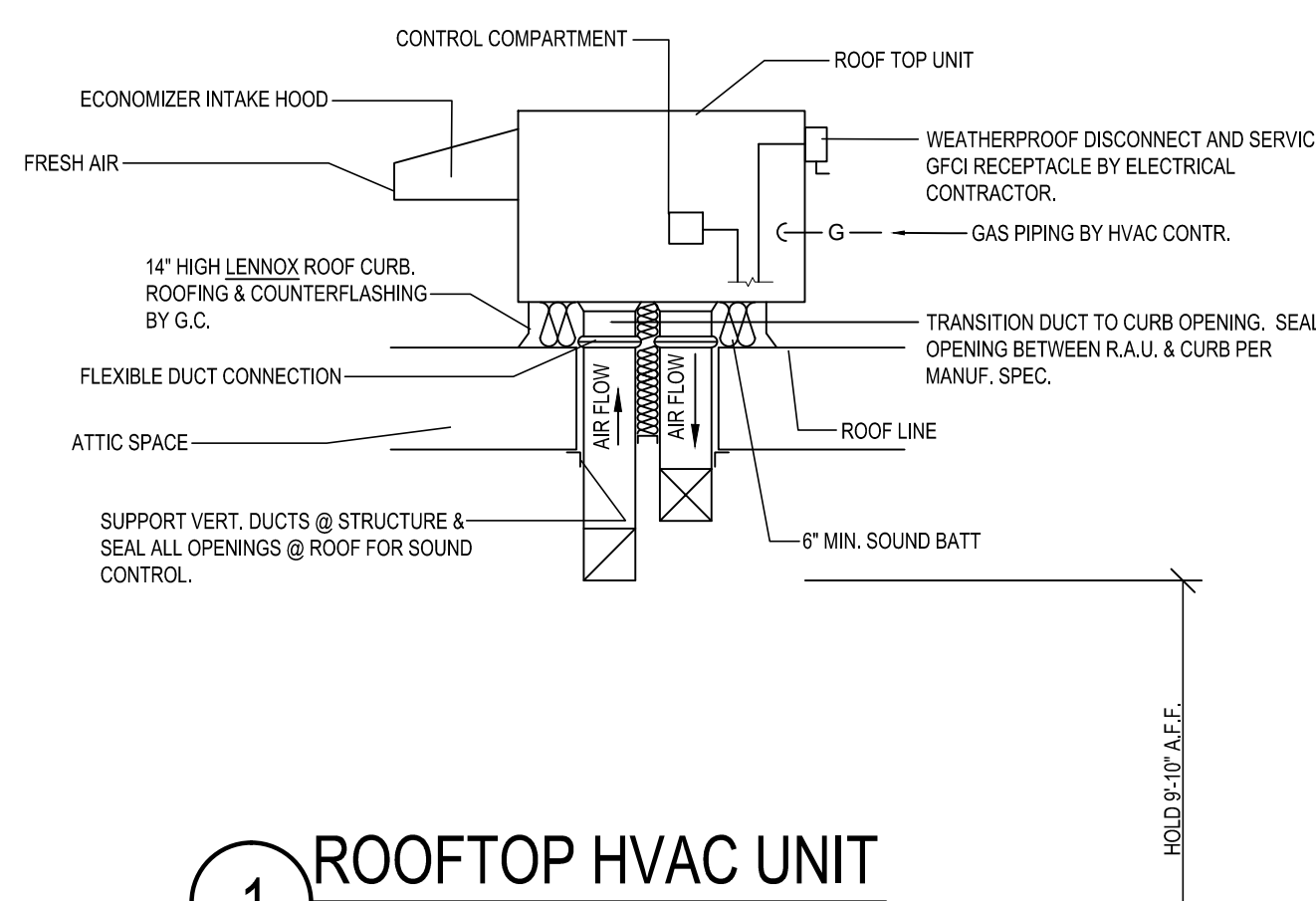
COOKING APPLIANCE / TYPE 1 HOOD INTERLOCK

MODIFY HVAC CONTROLS AND INTERLOCKS AS REQUIRED TO PROVIDE THE FOLLOWING FUNCTIONS:

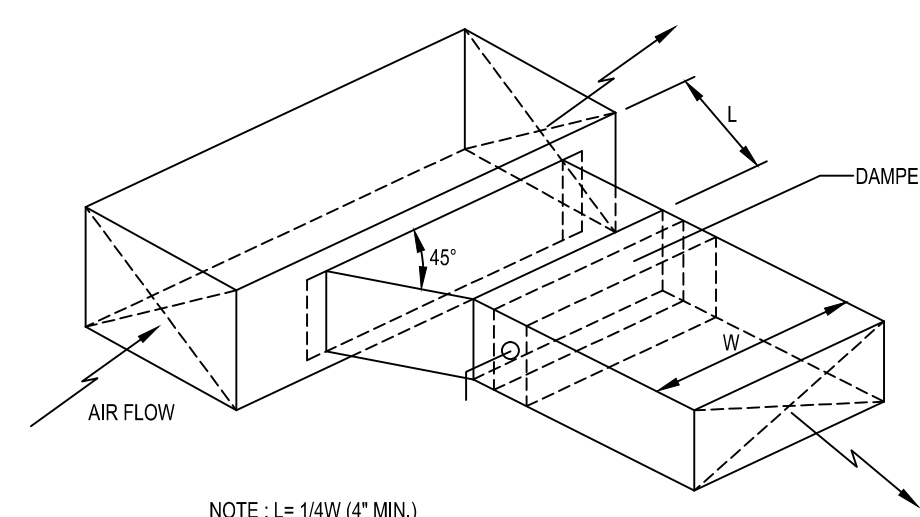
- OPEN RTU-3 ECONOMIZER DAMPERS TO MINIMUM OUTSIDE AIR INTAKE POSITION WHEN EXISTING KITCHEN FAN CONTROL CENTER (KFC) IS ENABLED BY EXISTING REMOTE SWITCH.
- IN CASE OF FIRE, SHUT DOWN RTU-3 & CLOSE OUTSIDE AIR.

LENNOX SETTINGS FOR CULVERS

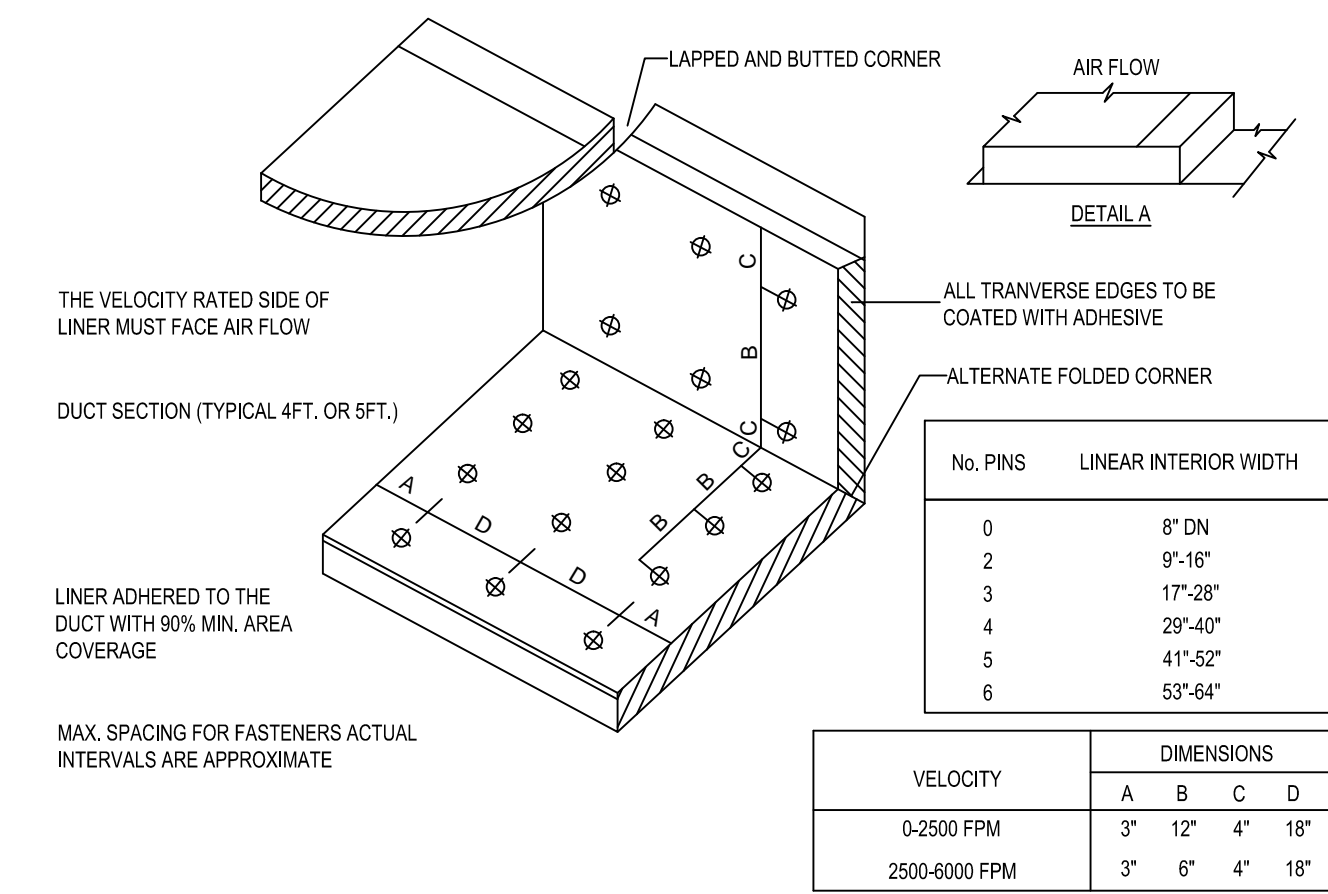
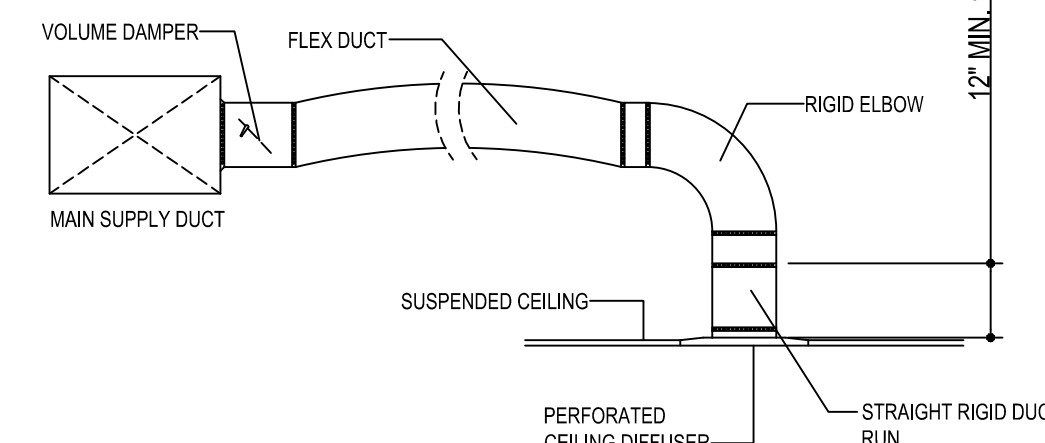
RTU-3
ECONOMIZER MIN POSITION POTENTIOMETER DETERMINED AND SET BY AIR BALANCER.
CHECK FOR CORRECT OPERATION AND WIRING OF ALL SENSORS.



1 ROOFTOP HVAC UNIT
SCALE: N.T.S.



2 BRANCH DUCT TAKEOFF DETAILS
SCALE: N.T.S.



3 DUCT LINER INSTALLATION DETAIL
SCALE: N.T.S.
NOTE: USE ONLY ON VERTICAL DROP FROM RTU TO WITHIN 9'-10" A.F.F., DUCT LINER WILL NOT BE PERMITTED ON ANY HORIZ. RUNS.

CULVER'S RESTAURANT RE-IMAGE
840 W Sunset Drive
Waukesha, WI 53189
County of WAUKESHA

Culver Franchising System, Inc.
1240 Water Street
Prairie du Sac, WI 53578
608-643-7980

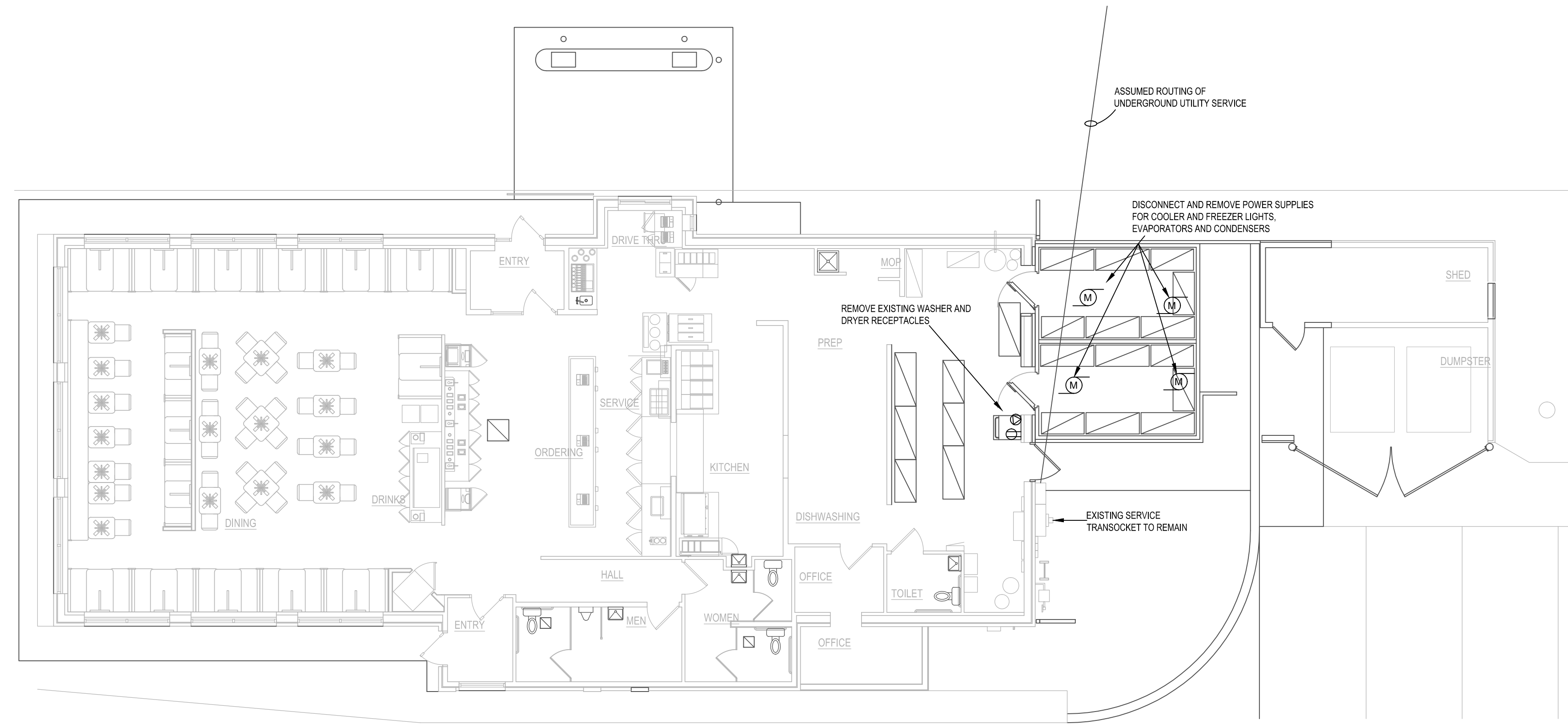
OWNER:
BERES FOODS, LLC
1650 E. Main St.
Waukesha, WI 53186
Gary Beres 414-640-7533
Jill Beres 262-443-1989

OLLIMANN ERNEST MARTIN ARCHITECTS
509 South State Street
Belvidere Illinois 61008
815-544-7790 Phone
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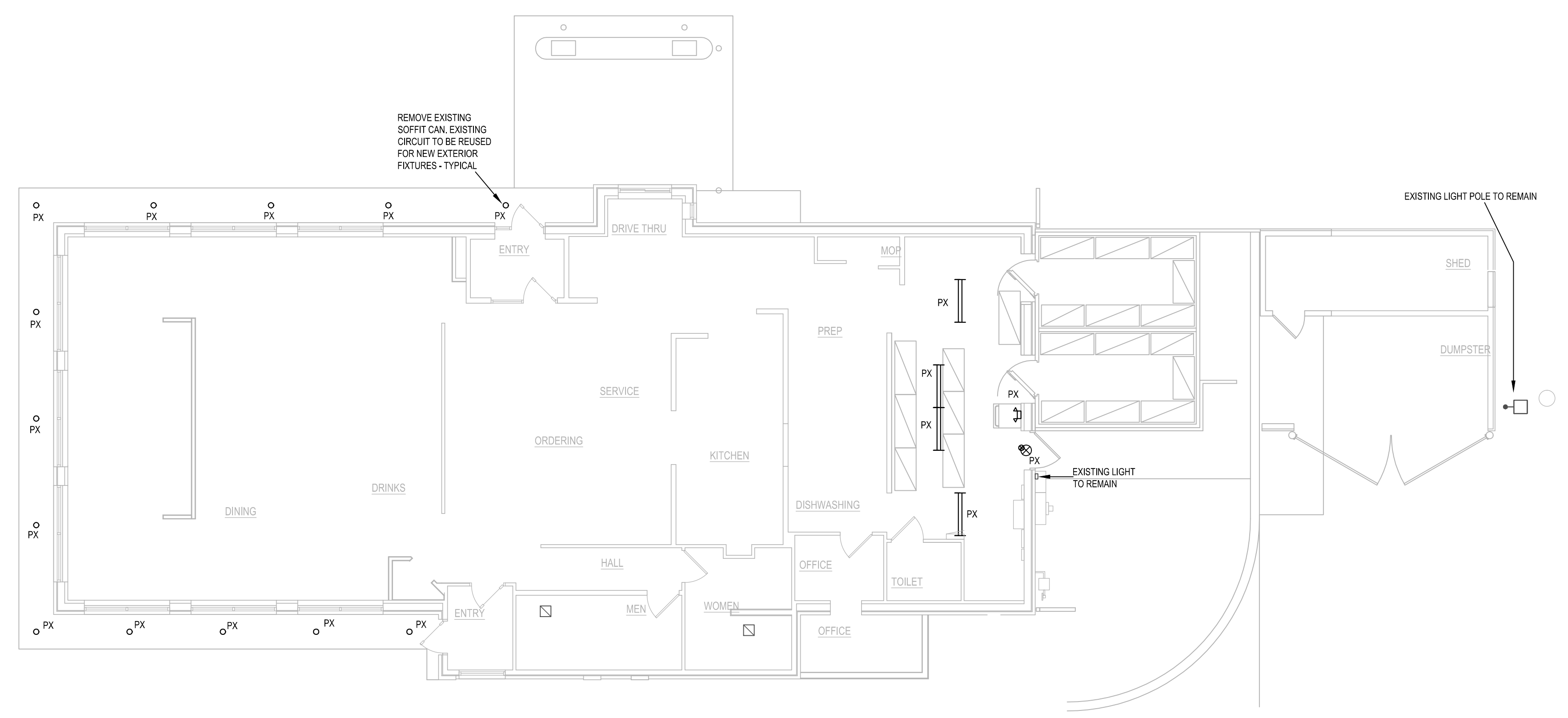
MECHANICAL SCHEDULES & DETAILS

Date: 2-5-2016 Revision:

2015-093

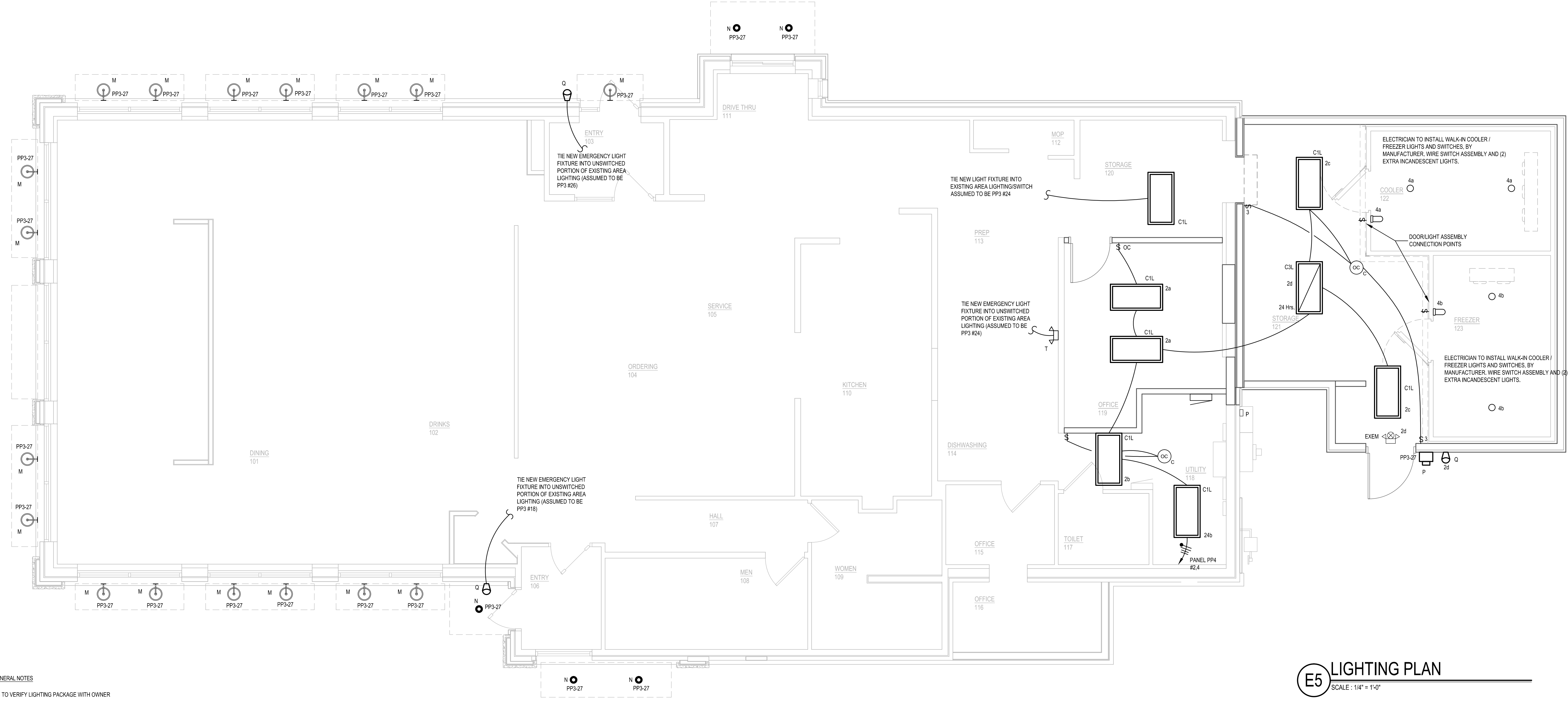
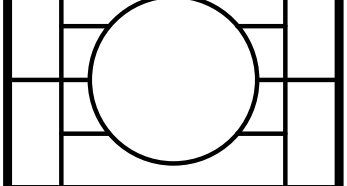


B5 POWER DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



D5 LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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CULVER'S RESTAURANT RE-IMAGE 840 W Sunset Drive Waukesha, WI 53189 County of WAUKESHA
 Culver Franchising System, Inc. 1240 Water Street Prairie du Sac, WI 53578 608-643-7980
OWNER: BERES FOODS, LLC 1650 E Main St. Waukesha, WI 53186 Gary Beres 414-940-7333 Jill Beres 262-443-1989
OLLMANN ERNEST MARTIN ARCHITECTS 509 South State Street Belleville Illinois 61008 815-544-7790 Phone 815-544-7792 Fax
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ELECTRICAL DEMOLITION PLANS Date: 2-5-2016 Revision:
2015-093
E100

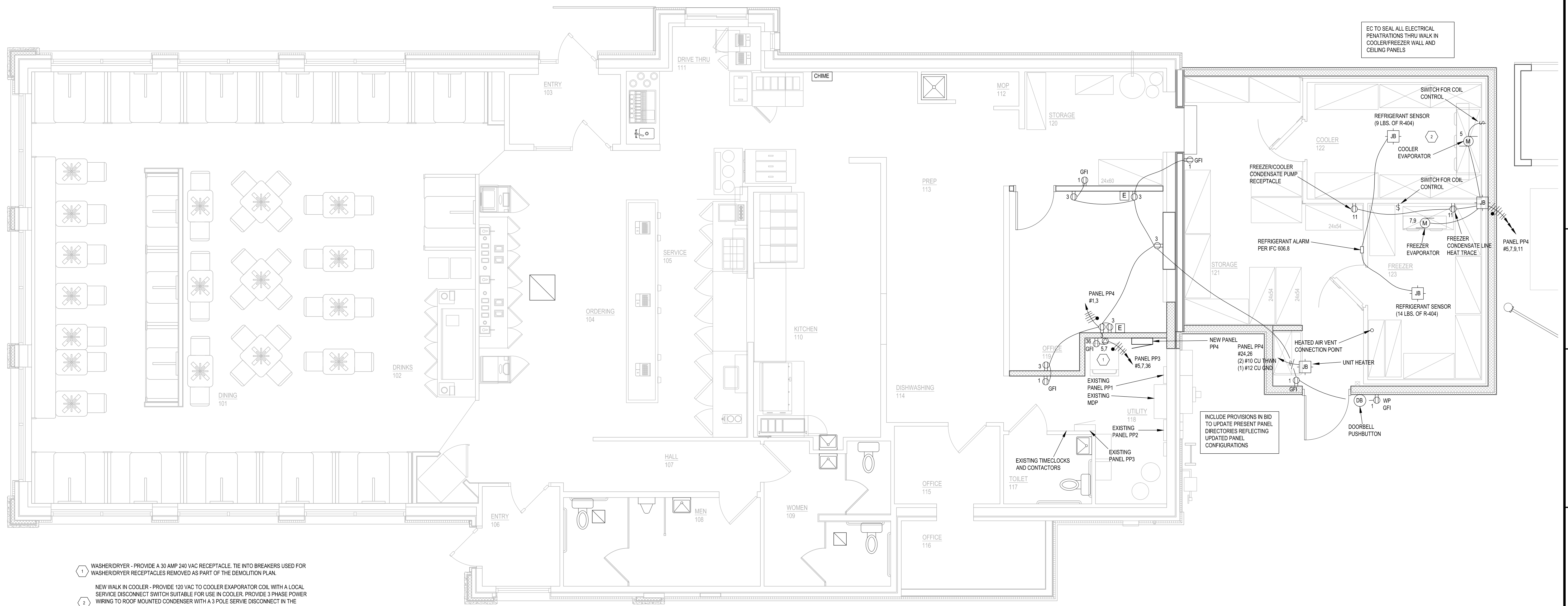


E5 LIGHTING PLAN
 SCALE: 1/4" = 1'-0"

GENERAL NOTES
 GC TO VERIFY LIGHTING PACKAGE WITH OWNER
 ALL LIGHT FIXTURES AND LIGHTING CONTROLS FOR CULVER'S RESTAURANT RE-IMAGE PROJECTS TO BE PURCHASED ONLY FROM THE NATIONAL ACCOUNTS SUPPLIER, CRESCENT ELECTRIC SUPPLY CO. IN MADISON, WI. CONTACT JENN HERODES AT CULVERS@CESCO.COM OR 1-608-241-3862, FOR PRICING AND SUBMITTALS.

NATIONAL ACCOUNTS PROGRAM
 CRESCENT ELECTRIC SUPPLY CO.
 510 HERKULES AT 208 W. HANCOCK ST.
 MADISON, WI 53703
 E-MAIL: CULVERS@CESCO.COM

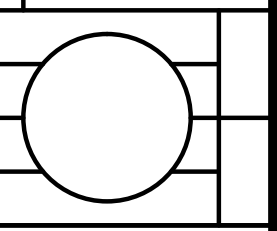
LIGHTING FIXTURE LEGEND		1 x 4 SURFACE MOUNTED LED FIXTURE		RECESSED CAN FIXTURE		PENDANT		EXTERIOR WALL MOUNTED FIXTURE		EMERGENCY LIGHT-WALL	
A1L	2 x 2 LAY-IN LED FIXTURE LITHONIA 2TL2 33L RW A12 D38 LP835NABC LED = 38 WATTS	DL	LITHONIA STL4 40L D40 LP835 NABC LED = 41 WATTS	G1	RECESSED CAN FIXTURE LITHONIA REAL6 D6AZ ESL 600L 35K 90SC L7XLED T24 NABC LED = 12 WATTS	H1	PENDANT LOCATION: OVER 2, 3, AND 4 PERSON BOOTHS SEAGULL LIGHTING 6060-962 - BRUSHED NICKEL FINISH BOTTOM @ 8'-0" AFF 9 WATT 800 LAMP 80 CRI 3000K LED	M	EXTERIOR WALL MOUNTED FIXTURE RAB LIGHTING GN1LED26 - CUSTOM COLOR PER OWNER'S SELECTION	T	EMERGENCY LIGHT-WALL LITHONIA EJZ LED M12 (MOUNT AT 8'-0" AFF)
A2L	2 x 2 LAY-IN LED FIXTURE - EMERGENCY LITHONIA 2TL2 33L RW A12 D38 LP835 EL14L NABC LED = 38 WATTS	N	EXTERIOR CANOPY LIGHT LITHONIA REAL6D6AZ 1500L 40K 95SC VOLT LPBLN 1500L NABC LED = 19 WATTS	G2	RECESSED CAN FIXTURE - EMERGENCY LITHONIA REAL6C D6AZ ESL 1000L 35K 95SC 120 LPBLN1000L LED = 12 WATTS POWER SUPPLY TO BE ROUTED THROUGH AN EMERGENCY LIGHTING INVERTER	H3	PENDANT LOCATION: MEN'S AND WOMEN'S LITHONIA MOPB BNP DGWV 1003 FROSTED WHITE CYLINDER WAVE LED = 9.5 WATTS BOTTOM @ 7'-0"	P	EXTERIOR WALL LIGHT RAB SLIM18N LED = 18 WATTS	X	EXIT LIGHT LITHONIA EXR LED M6 NABC
EMERGENCY	2 x 2 LAY-IN LED FIXTURE - 24 HRS LITHONIA 2TL2 33L RW A12 D38 LP835 NABC LED = 38 WATTS			G3	RECESSED CAN FIXTURE - 24 HRS. LITHONIA REAL6 D6AZ ESL 600L 35K 90SC L7XLED T24 NABC LED = 12 WATTS	H2	PENDANT LITHONIA MOPB BNP DGWV1003 FROSTED WHITE CYLINDER WAVE, POLISHED BRUSH NICKEL 9.5 WATTS MOUNT EACH FIXTURE IN 4" RADIUS FROM CENTER OF CEILING HOLE. MOUNT LOWEST FIXTURE @ 6'-0" AFF; OTHERS TO BE SUCCESSIVELY HIGHER @ 5" INCREMENTS	O	EMERGENCY LIGHT HEAD WEATHER PROOF LITHONIA AFN DB EXT NABC	X	EXIT/EMERGENCY LIGHT LITHONIA LHOM LED R
	2 x 4 LAY-IN LED FIXTURE LITHONIA 2TL4 46L RW A19 D50 LP835 NABC LED = 50 WATTS			G4	RECESSED CAN FIXTURE LITHONIA REAL6 D6AZ ESL 1000L 35K 95SC LED = 14 WATTS			R-BAT	ELM 1254-RO NABC	SW	SINGLE POLE SWITCH
	2 x 4 LAY-IN LED FIXTURE - EMERGENCY LITHONIA 2TL4 46L RW A19 D50 LP835 EL14L NABC LED = 50 WATTS			G5	RECESSED CAN FIXTURE (ADJUSTABLE) LITHONIA 60MM/LED / L7XLED T24 LED = 14 WATTS			R	ELA RG H0812 NABC	3SW	3-POLE SWITCH
	2 x 4 LAY-IN LED FIXTURE - 24 HRS LITHONIA 2TL4 46L RA A19 D50 LP835 NABC LED = 50 WATTS							Z	EXTERIOR PATIO LIGHT: ABOLITE ANGLE REFLECTOR LIGHT FIXTURE TYPE AB150-10-NH-LED w/ GOOSENECK CWBM 1 GWT WALL BRACKET = 11 WATTS	OC	CEILING MOUNTED OCCUPANCY SENSOR SIMILAR TO LEVITON OSC20-MOW WITH RELAY



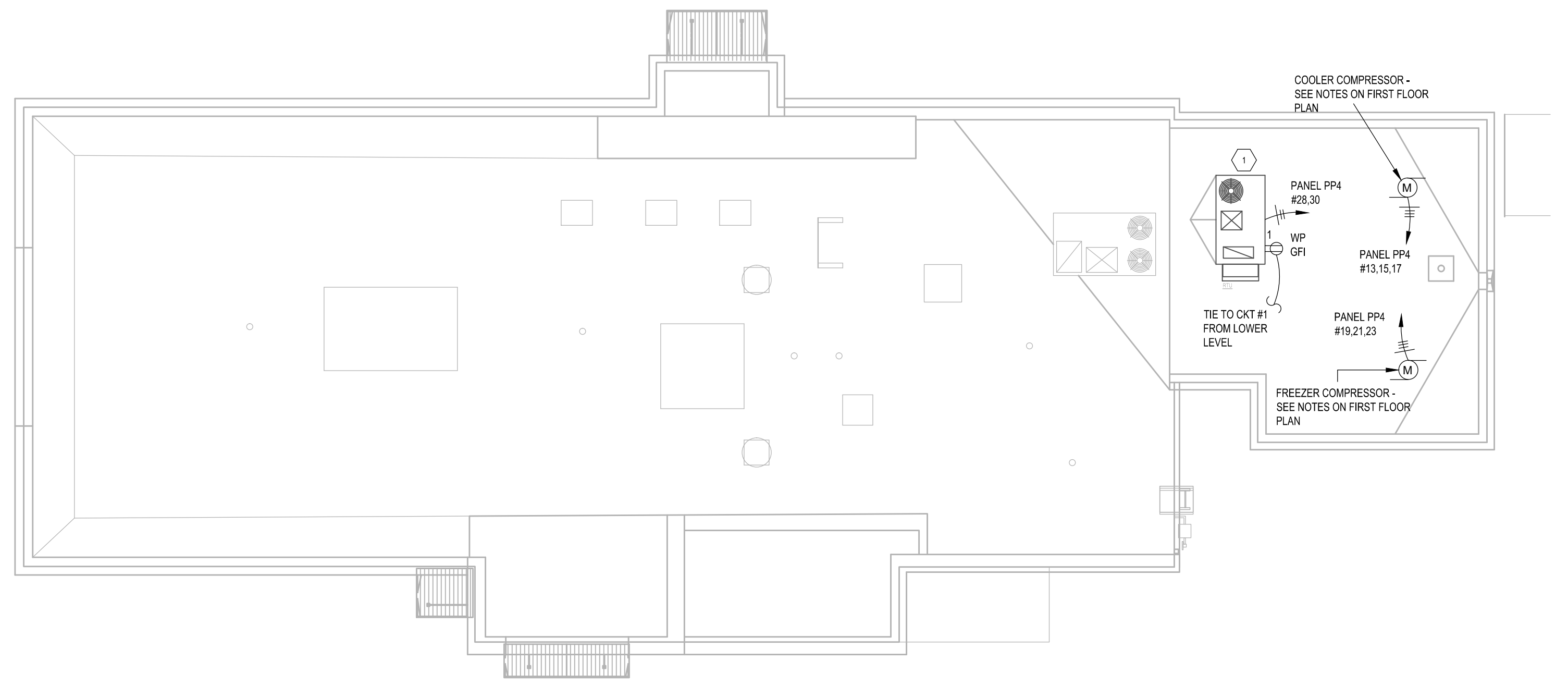
- 1 WASHER/DRYER - PROVIDE A 30 AMP 240 VAC RECEPTACLE. TIE INTO BREAKERS USED FOR WASHER/DRYER RECEPTACLES REMOVED AS PART OF THE DEMOLITION PLAN.
- 2 NEW WALK IN COOLER - PROVIDE 120 VAC TO COOLER EXAPORATOR COIL WITH A LOCAL SERVICE DISCONNECT SWITCH SUITABLE FOR USE IN COOLER. PROVIDE 3 PHASE POWER WIRING TO ROOF MOUNTED CONDENSER WITH A 3 POLE SERVICE DISCONNECT IN THE COOLER. PROVIDE A 3 POLE SERVICE DISCONNECT AT THE COMPRESSOR.
- 3 NEW WALK IN FREEZER - PROVIDE 208 VAC TO COOLER EXAPORATOR COIL WITH A LOCAL SERVICE DISCONNECT SWITCH SUITABLE FOR USE IN FREEZER. INTERWIRE WITH TIMECLOCK AT THE COIL. PROVIDE 3 PHASE POWER WIRING TO ROOF MOUNTED CONDENSER WITH A 3 POLE SERVICE DISCONNECT IN THE FREEZER. PROVIDE A 3 POLE SERVICE DISCONNECT AT THE COMPRESSOR. PROVIDE A GFI RECEPTACLE FOR THE CONDENSATE DRAIN LINE HEAT TRACE.

E5 POWER AND COMMUNICATIONS PLAN
SCALE: 1/4" = 1'-0"

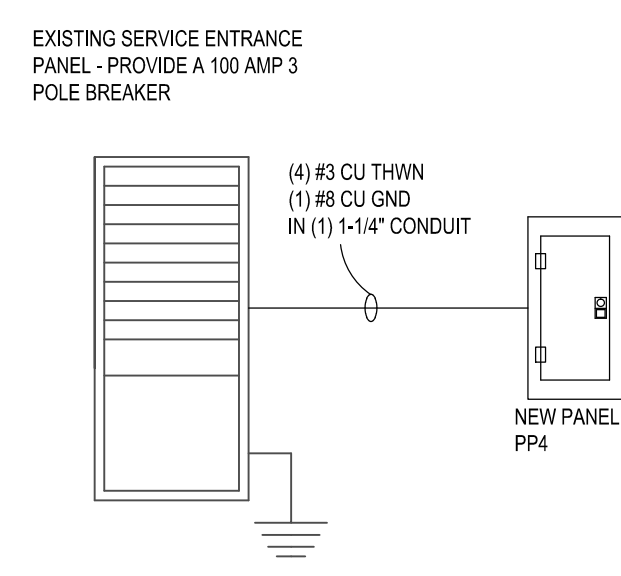
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OLLMANN ERNEST MARTIN ARCHITECTS 509 South State Street Milwaukee, WI 53208 815-544-7790 Phone 815-544-7792 Fax
POWER & COMMUNICATIONS PLAN Date: 2-5-2016 Revision:
2015-093
E102



1 ROOF MOUNTED HEATING/COOLING UNIT - PROVIDE 208 VAC SINGLE PHASE POWER WIRING WITH (2) #10 CU THWN AND (1) #12 CU GROUND. PROVIDE A LOCAL 2 POLE NEMA 3R SERVICE DISCONNECT. PROVIDE A WP/GFI SERVICE RECEPTACLE.



B4 ROOF ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"



C6 RISER DIAGRAM
 NO SCALE/PURELY DIAGRAMMATIC

PANEL: PP4		VOLTAGE: 120/208 VAC						
MAIN: 100 AMP LUG ONLY		LOCATION: UTILITY 118						
MOUNTING: SURFACE		FEEDER SIZE: SEE RISER						
CIR. NO.	AMPS/POLES	DESCRIPTION-AMPS	PHASE A	PHASE B	PHASE C	DESCRIPTION-AMPS	AMPS/POLES	CIR. NO.
1	20/1	GENERAL AREA REC - 9	12			STORAGE/OFFICE LIGHTS - 3	20/1	2
3	20/1	OFFICE RECEPTACLES - 9		14		COOLER LIGHTS - 5	20/1	4
5	20/1	COOLER EVAPORATOR - 3.6			3.6	SPARE	20/1	6
7	20/2	FREEZER EVAPORATOR - 15.7	15.7			SPARE	20/1	8
9				15.7		SPARE	20/1	10
11	20/1	FREEZER HEAT TRACE - 5			5	SPARE	20/1	12
13			9.6			SPARE	20/1	14
15	15/3	COOLER COMPRESSOR - 9.6		9.6		SPARE	20/1	16
17					9.6	SPARE	20/1	18
19			11.7			SPARE	20/1	20
21	20/3	FREEZER COMPRESSOR - 11.7		11.7		SPARE	20/1	22
23					19.2	ELECTRIC UNIT HEATER - 19.2	25/2	24
25								26
27						ROOF TOP UNIT - 18	25/2	28
29								30

TOTAL PHASE "A" AMPS: 68.2
 TOTAL PHASE "B" AMPS: 51
 TOTAL PHASE "C" AMPS: 37.4
 HIGH PHASE AMPS: 68.2 X 1.25 85.25

LEGEND			
	TELEPHONE		CABLE
	SWITCH		WIRELESS ROUTER
	DUPLEX RECEPTACLE - CEILING		HDMI CONNECTION
	DUPLEX RECEPTACLE		ETHERNET CONNECTION CAT 5E OR 6
	DUPLEX RECEPTACLE w/ GROUND FAULT		220 VOLT
	HUBBELL GFRS362WTR		JUNCTION BOX - DIRECT CONNECTION
	DUPLEX RECEPTACLE w/ WEATHERPROOF COVER		TELEVISION OUTLET
	DUPLEX RECEPTACLE w/ ISOLATED GROUND FOR ELECTRONIC EQUIPMENT		DEDICATED DUPLEX OUTLET w/ ISOLATED GROUND
	USB DUPLEX RECEPTACLE		DEDICATED QUAD OUTLET WITH ISOLATED GROUND
	- WALL HUBBELL # USB15X2W		DOOR CHIME - EDWARDS C212-2L WITH CONTROL POWER TRANSFORMER
	DEEP BOX WITH GANG PLASTER RING, 20 AMP DEADFRONT GFI & NEMA 5-20 AMP SINGLE RECEPTACLE		DOOR CHIME ENTRANCE PUSHBUTTON
	LOCATE DEADFRONT GFI IN ELECTRICAL ROOM. PROVIDE WITH LABEL INDICATING DEVICE PROTECTED.		QUAD RECEPTACLE
	ID TAG		COMMUNICATION JUNCTION BOX
	PANEL DESIGNATION		BUMP BAR
	BREAKER DESIGNATION		MONITOR
	DUCT SMOKE DETECTOR WITH REMOTE ALARM/TEST STATION		