

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_6196\G001.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 3:08pm

ABBREVIATIONS

A/C

ADD'L

AFT

ASF

ATS

ALT

ALUM

APPROX

BD

BLDG

BLK

BLKG

BM

BOTT

BRG

B/

C/C

CJ

CLG

CLR

CNTR

CMU

COL

CONC

CONSTR

CONTR

CONT

DET

DIA

DIM

DN

DS

DW

DWG

EA

EC

EL

ELEC

ELEV

EPS

EW

EWC

EXIST

EXP JT

EXT

F/C

FD

FDN

FIN

FLR

FT

FTG

GALV

GC

GYP

HDW

HM

HORIZ

HP

HT

HVAC

HYG

ID

IN

INFO

INSUL

INT

INV

AIR CONDITIONING

ADDITIONAL

ABOVE FINISH FLOOR

ABOVE SUB FLOOR

ABOVE TOP OF SLAB

ALTERNATE

ALUMINUM

APPROXIMATE

BOARD

BUILDING

BLOCK

BLOCKING

BEAM

BOTTOM

BEARING

BOTTOM OF

CENTER TO CENTER

CONSTRUCTION JOINT

CEILING

CLEAR

CENTER

CONCRETE MASONRY UNIT

CLEAN OUT

COLUMN

CONCRETE

CONSTRUCTION

CONTRACTOR

CONTINUOUS

DETAIL

DIAMETER

DIMENSION

DOWN

DOWNSPOUT

DRY WALL

DRAWING

EACH

ELEC. CONTRACTOR

ELEVATION

ELECTRIC (AL)

ELEVATOR

EXPANDED POLYSTYRENE

EACH WAY

ELECTRIC WATER COOLER

EXISTING

EXPANSION JOINT

EXTERIOR

FREEZER/COOLER BOX

FLOOR DRAIN

FOUNDATION

FINISH

FLOOR

FEET

FOOTING

GALVANIZED

GENERAL CONTRACTOR

GYPSUM

HARDWARE

HOLLOW METAL

HORIZONTAL

HIGH POINT

HEIGHT

HEATING/VENTILATION/AIR CONDITIONING

HYGIENE

INSIDE DIAMETER

INCH

INFORMATION

INSULATION

INTERIOR

INVERT

JT

LAV

LIN

LP

LVL

MAX

MC

MECH

MFR

MIN

MISC

MO

MTD

MTL

N

NIC

NO or #

NOM

NTS

OC

OD

OPNG

OPP

PAC

PC

PL

PLMB

PLYWD

PNL

PREFAB

PROJ

PVC

R

R

RD

RECP

REINF

REQ'D

RES

REV

RM

RO

SAC

SAC-1

SECT

SHT

SIM

SPEC

STL

STRUCTURAL

STRUCT

STRUT

T & B

T & G

T/

TRT

UON

VCT

VERT

VWC

WC

WD

WH

W/

W/O

WWF

JOINT

LAVATORY

LINEAR

LOW POINT

LAMINATED VENEER LUMBER

MAXIMUM

MECH. CONTRACTOR

MECHANICAL

MANUFACTURE (R) (ING)

MINIMUM

MISCELLANEOUS

MASONRY OPENING

MOUNTED

METAL

NORTH

NOT IN CONTRACT

NUMBER

NOMINAL

NOT TO SCALE

ON CENTER

OUTSIDE DIAMETER

OPENING

OPPOSITE

POWDER ACTIVATED FASTENER

PLUMBS CONTRACTOR

PLASTIC LAMINATE

PLUMBING

PLYWOOD

PANEL

PREFABRICATED

PROJECT

POLYVINYL CHLORIDE

RADIUS

RISER

ROOF DRAIN

RECEPTACLE

REINFORCING

REQUIRED

RESILIENT

REVISION

ROOM

ROUGH OPENING

SUSPENDED ACOUSTICAL CEILING

SAC-1 HOUR RATED

SECTION

SHEET

SIMILAR

SPECIFICATIONS

STEEL

STRUCTURAL

STRUCTURAL

TOP AND BOTTOM

TONGUE AND GROOVE

TREAD

TOP OF

TREATMENT

UNLESS OTHERWISE NOTED

VINYL COMPOSITION TILE

VERTICAL

VINYL WALL COVERING

WATER CLOSET

WOOD

WATER HEATER

WITH

WITHOUT

WELDED WIRE FABRIC

PROJECT

PROJECT SITE

3236 HWY 190
HAMMOND, LA 70401

OWNER

PCA 1 Development LLC
3000 Chestnut Ave.
Suite 109B
Baltimore, MD 21211

ARCHITECT/ENGINEER

NATIONAL RESTAURANT DESIGNERS - NRD
7208 ACC BLVD, SECOND FLOOR
RALEIGH, NORTH CAROLINA, 27617
TEL: (919)544-0087
FAX: (919)544-9399

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS & INSPECTIONS REQUIRED FOR CERTIFICATE OF OCCUPANCY.

2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES, LAWS, RULES, & REGULATIONS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT BETWEEN REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.

3. CONTRACTOR TO VERIFY FIT & FINISH REQUIREMENTS FOR ALL PROJECT COMPONENTS, WITH LANDLORD, PRIOR TO ORDERING MATERIALS. REPORT CONFLICTING INFORMATION TO LANDLORD PRIOR TO PROCEEDING WITH WORK.

4. CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION & CONSTRUCTION DEBRIS AS REQUIRED BY FEDERAL, STATE, AND LOCAL ORDINANCES.

5. BY THE USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE LANDLORD REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS, AND THAT THE CONSTRUCTION DOCUMENT PHASE OF THE PROJECT IS COMPLETE.

6. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS FURNISHING THE LABOR, MATERIALS, AND ALL WORK, SO THAT THE WORK AS A WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY.

7. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF ANY AND ALL DRAWINGS INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDLORD & ARCHITECT PRIOR TO ANY WORK.

8. THE CONTRACTOR IS RESPONSIBLE TO ACQUAINT HIMSELF WITH THE DIMENSIONS OF ALL EQUIPMENT INCLUDED IN THIS PROJECT SO THAT PREPARATIONS CAN BE MADE TO PROVIDE ENTRY INTO THE FACILITY WITH SUFFICIENT CLEARANCE, AND TO ENSURE THAT ADEQUATE FLOOR SPACE IS AVAILABLE.

9. CONTRACTOR SHALL NEVER SCALE DRAWINGS. LOCATIONS FOR ALL PARTITIONS, WALLS, CEILINGS, ETC. WILL BE DETERMINED BY DIMENSIONS ON THE DRAWINGS. ANY SUCH DIMENSIONS MISSING FROM THE PLANS MUST BE BROUGHT TO THE ATTENTION OF THE LANDLORD & ARCHITECT IMMEDIATELY.

10. THE CONTRACTOR SHALL ADHERE TO THE DRAWINGS AND SPECIFICATIONS. SHOULD ANY ERROR OR INCONSISTENCY APPEAR REGARDING THE TRUE MEANING AND/OR INTENT OF THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE ARCHITECT WHO WILL MAKE ANY NECESSARY CLARIFICATION, INTERPRETATION, OR REVISION AS REQUIRED.

11. IF THE CONTRACTOR DISCOVERS AN ERROR OR INCONSISTENCY AND PROCEEDS WITH WORK WITHOUT NOTIFYING THE LANDLORD & ARCHITECT OF ANY SUCH DISCREPANCIES, HE SHALL ASSUME ALL CHARGES AND MAKE ANY CHANGES TO HIS WORK MADE NECESSARY BY HIS FAILURE TO OBSERVE AND/OR REPORT THE CONDITION.

12. IF THE INTENT OF THE DRAWINGS & SPECIFICATIONS ARE UNCLEAR, THE CONTRACTOR SHALL ASK THE ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH WORK, IN THE FORM OF A WRITTEN R.F.I. (REQUEST FOR INFORMATION). THE ARCHITECT SHALL THEN RESPOND IN WRITING TO ALL APPROPRIATE PARTIES.

13. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF WORK, MATERIALS, FIXTURES, ETC. IN LEASED SPACE FROM LOSS, DAMAGE, FIRE, THEFT, ETC.

14. WHEREVER THE TERM "OR EQUAL" IS USED, IT SHALL MEAN EQUAL PRODUCT AS APPROVED IN WRITING BY ARCHITECT.

15. IF THE CONTRACTOR PROPOSES A MATERIAL OR EQUIPMENT SUBSTITUTION HE SHALL PROVIDE ALL APPROPRIATE DOCUMENTATION AND INFORMATION REQUIRED FOR THE ARCHITECT TO DETERMINE WHETHER OR NOT THE SUBSTITUTION IS EQUAL TO THE SPECIFICATION.

16. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY INWALL FRAMING REQUIRED TO CARRY SHELF, HANGING, AND VALANCE LOADS, RAILINGS, ETC. AS PER PLANS.

17. PROVIDE SILICONE SEALANT AT ALL JOINTS AND INTERFACES OF ALL COUNTERTOPS, EQUIPMENT AND WALLS.

18. PROJECT SHALL BE LEFT CLEANED AND POLISHED AFTER COMPLETION OF WORK.

19. CONTRACTOR SHALL REFER TO THESE DOCUMENTS, AS WELL AS SPECIFICATIONS, FOR IDENTIFICATION OF ALL LANDLORD & TENANT SUPPLIED ITEMS. CONTRACTOR SHALL VERIFY WITH LANDLORD, PRIOR TO ORDERING, WHICH ITEMS THE LANDLORD & TENANT SHALL SUPPLY. ALL ITEMS NOT MARKED AS "LANDLORD & TENANT SUPPLIED" ARE TO BE SUPPLIED BY THE CONTRACTOR. UNLESS NOTED OTHERWISE ALL ITEMS ARE TO BE INSTALLED BY GENERAL CONTRACTOR.

20. MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISHES SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES.

21. CONTRACTOR SHALL CONTACT THE LOCAL FIRE MARSHALL, AND PROVIDE AND INSTALL FIRE EXTINGUISHERS PER THE FIRE MARSHALS DIRECTION, INCLUDING: TYPE, QUANTITY, AND LOCATIONS. AS A MINIMUM, CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS HAVING A RATING OF 2-A10-BC FOR EVERY 3,000 S.F. OF FLOOR AREA AND TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET.

22. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS/DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

23. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES. NOTIFY ARCHITECT IMMEDIATELY IF CONFLICTS EXIST BETWEEN EXISTING UTILITIES AND NEW CONSTRUCTION. PATCH, REPAIR, AND/OR REPLACE ALL ADVERSELY AFFECTED FINISHES AND SURFACES AS REQ'D. UPON COMPLETION OF CONSTRUCTION, ALL PARKING AREA PAVEMENT AND NEW CONCRETE PADS SHALL TRANSITION SMOOTHLY.

SYMBOL LEGEND

DRAWING SUBTITLE

DETAIL NUMBER

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

DRAWING NUMBER

DETAIL MARKS

DETAIL NUMBER

DRAWING NUMBER

ELEVATION MARK

DRAWING NUMBER

ELEVATION NUMBER

SECTION NUMBER

SECTION MARKS

DRAWING NUMBER

ROOM NAME

ROOM NUMBER

ROOM TAG

ROOM NAME

ROOM NUMBER

DOOR NUMBER

ROOM NAME

ROOM NUMBER

EQUIPMENT

ELEVATION REFERENCE

ELEVATION DATUM

ELEVATION REFERENCE

ELEVATION HEIGHT

CEILING TAG

CEILING TYPE

CEILING HEIGHT

NOTE REFERENCE

NOTE REFERENCE

WALL + BASE FINISH TAGS

WALL FINISH

BASE FINISH

WALL TYPE

WALL TYPE

VICINITY MAP

GENERAL SCOPE OF WORK

NEW FREE STANDING SINGLE STORY 2,501 SQUARE FOOT WOOD FRAME BUILDING WITH FULL SITE DEVELOPMENT AND UTILITIES.

ALL EXTERIOR SIGNAGE TO BE SUBMITTED UNDER A SEPARATE PERMIT BY THE SIGNAGE CONTRACTOR.

ALL ALUMINUM CANOPIES TO BE SUBMITTED UNDER A SEPARATE PERMIT BY THE CANOPY CONTRACTOR IN G.C CONTRACT. EXHAUST HOODS, REFRIGERATION, GAS, AND HOOD SUPPRESSION SYSTEMS TO BE PERMITTED UNDER SEPARATED PERMIT BY A LICENSED CONTRACTOR

CODES

2021 INTERNATIONAL BUILDING CODE W/ STATE AMENDMENTS

2021 INTERNATIONAL MECHANICAL CODE W/ STATE AMENDMENTS

2021 INTERNATIONAL PLUMBING CODE W/ STATE AMENDMENTS

2020 NATIONAL ELECTRICAL CODE

2021 INTERNATIONAL ENERGY CONSERVATION CODE W/ STATE AMENDMENTS

DESIGNERS OF RECORD

DISCIPLINE	NAME	ADDRESS	LIC. #
ARCHITECT	GLEN LEHAMMN	7208 ACC BLVD SECOND FLOOR RALEIGH, NC 27617	8374
ELECTRICAL	NELSON RAY THORNTON, JR.	7208 ACC BLVD SECOND FLOOR RALEIGH, NC 27617	28634
PLUMBING	NELSON RAY THORNTON, JR.	7208 ACC BLVD SECOND FLOOR RALEIGH, NC 27617	28634
MECHANICAL	NELSON RAY THORNTON, JR.	7208 ACC BLVD SECOND FLOOR RALEIGH, NC 27617	28634
STRUCTURAL	BRET UNDERWOOD	999 WATERSIDE DRIVE, NORFOLK, VA 23510	037779
CIVIL	KEVIN S. PULIS	8650 E. STATE ROAD 32 ZIONSVILLE, IN 46077	042797

LIST OF DRAWINGS

SHEET	DESCRIPTION	REVISIONS				
		1	2	3	4	5
GENERAL						
G001	COVER SHEET					
G002	COD SUMMARY AND ADDENDUM LIST					
G003	RESPONSIBILITY MATRIX					
G111	OCCUPANCY AND LIFE SAFETY PLANS					
STRUCTURAL						
S1.1	GENERAL NOTES					
S1.2	GENERAL NOTES					
S2.1	FOUNDATION PLAN					
S2.2	ROOF FRAMING PLAN					
S3.1	SECTIONS					
S3.2	SECTIONS					
S3.3	SECTIONS					
S3.4	SECTIONS					
S4.1	TYPICAL DETAILS					
S4.2	TYPICAL DETAILS					
S4.3	TYPICAL DETAILS					
ARCHITECTURAL						
A111	FLOOR PLAN					
A121	REFLECTED CEILING PLAN AND DETAILS					
A161	ROOF PLAN					
A201	EXTERIOR ELEVATIONS					
A202	EXTERIOR ELEVATIONS					
A301	BUILDING SECTIONS					
A302	WALL SECTIONS					
A303	WALL SECTIONS					
A304	WALL SECTIONS					
A305	WALL SECTIONS					
A401	ENLARGED TOILET PLAN AND TOILET ELEVATIONS					
A402	BAR-TOP COUNTER PLANS					
A403	INTERIOR ELEVATIONS					
A404	INTERIOR ELEVATIONS					
A405	INTERIOR ELEVATIONS					
A501	ENLARGED DETAILS					
A502	ENLARGED DETAILS					
A601	DOOR SCHEDULE					
A602	WINDOW SCHEDULE					
A701	ARCHITECTURAL SPECIFICATIONS					
A702	ARCHITECTURAL SPECIFICATIONS					
AS111	ARCHITECTURAL SITE PLAN					
AS501	DUMPSTER ENCLOSURE					
AS502	DRIVE THRU DETAILS					
AS510	DRIVE THRU INSTRUCTION SHEETS					
AS511	DRIVE THRU INSTRUCTION SHEETS					
AS512	CANOPY FLAT TOP					
AS513	CANOPY FLAT TOP WITH ELECTRICAL					
AS514	PERMIT ELECTRICAL					
AS515	FOOTING DETAILS					
INTERIOR						
ID111	FINISH FLOOR PLAN AND FINISH CEILING PLAN					
EQUIPMENT						
Q111	EQUIPMENT FLOOR PLAN AND NOTES					
Q600	EQUIPMENT SCHEDULE					
Q801	EQUIPMENT SCHEDULE					
PLUMBING						
P001	PLUMBING NOTES, LEGEND, SCHEDULES AND CALCULATIONS					
P111	PLUMBING WASTE / VENT PLAN					
P112	PLUMBING WATER AND GAS PLAN					
P113	PLUMBING ROOF PLAN					
P114	PLUMBING ROOM-IN PLAN AND INTERIOR ELEVATIONS					
P211	PLUMBING RISERS					
P311	PLUMBING DETAILS					
P411	PLUMBING SPECIFICATIONS					
MECHANICAL						
M121	MECHANICAL FLOOR PLAN					
M161	MECHANICAL ROOF PLAN					
M501	MECHANICAL DETAILS					
M502	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M503	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M504	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M505	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M506	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M507	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M508	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M509	HOOD DETAILS (SHOP DRAWING FOR REFERENCE ONLY)					
M601	MECHANICAL SCHEDULES AND NOTES					
M701	MECHANICAL SPECIFICATIONS					
ELECTRICAL						
E000	ELECTRICAL NOTES AND LEGEND					
E111	ELECTRICAL POWER PLAN					
E121	ELECTRICAL LIGHTING PLAN					
E131	ELECTRICAL LOW VOLTAGE PLAN					
E161	ELECTRICAL ROOF PLAN					
E601	ELECTRICAL SCHEDULE, NOTES, RISER AND DETAILS					
E701	ELECTRICAL SPECIFICATIONS					
E801	CPI SWITCHGEAR (SHOP DRAWING FOR REFERENCE ONLY)					
ES111	ELECTRICAL SITE PLAN					

PROJECT: HIGHWAY 55

32 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

COVER SHEET

Revisions

THRU ADDENDUM	"D"
11/21/2022	

PROJECT DATE

06/29/2023

Drawn By

CIH

Checked By

CGI

Sheet No.

G001

THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND MAY NOT BE REPRODUCED OR USED WITHOUT THE WRITTEN PERMISSION.

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF NRD ASSOCIATES
7208 ACC BLVD, 2ND FLOOR,
RALEIGH, NC 27617
Phone: (919)544-0087 Fax: (919)544-9399

GLEN LEHAMMN
Reg. No. 817
STATE OF LOUISIANA
REGISTERED ARCHITECT

7/10/23

[illegible]

Responsibility Matrix-B2-N23

Project:				Tenant (T)					Tenant: Highway 55 Burger Shakes and Fries		
Location:				Landlord (LL)					Landlord: Real Zeal Property Group		
Date Updated:				General Contractor (GC)					General Contractor: Real Zeal General Contractor		
	Purchased by				Installed by				Notes		
	T	LL	GC	Others	T	LL	GC	Others			
Div. 00 – Procurement and Contracting											
Due diligence											
Geotechnical report			X								
Environmental phase I report			X								
Survey			X								
Design											
Building			X								
Civil			X								
Landscape			X								
Site lighting				X			X				
Signs		X						X			
Div. 01 – General Requirements											
Testing / QC inspections			X								
Final inspections / Certificate of Occupancy				X							
Construction layout / control				X			X				
Project camera				X			X				
Final cleaning				X			X				
Div. 02 – Site Construction											
Erosion control installation / maintenance				X			X				
Site demolition / prep				X							
Grading / earthwork				X							
Utility taps											
Water			X				X		LL to pay for tap fees; GC to coordinate install		
Sewer			X				X		LL to pay for tap fees; GC to coordinate install		
Gas			X				X		LL to pay for tap fees; GC to coordinate install		
Utility meters											
Water			X				X		LL to pay for meter fees; GC to coordinate install		
Electric			X				X		LL to pay for meter fees; GC to coordinate install		
Gas			X				X		LL to pay for meter fees; GC to coordinate install		
Utility service lines											
Water				X			X				
Sewer				X			X				
Gas				X			X				
Electric				X			X		Coordinate with Utility Company. Refer to Electrical Plans		
Data				X			X		Coordinate with Utility Company. Refer to Electrical Plans		
Grease trap				X			X				
Sewer force main basin / pump				X			X				
Drainage systems				X			X				
Pavements											
Asphalt light duty				X			X				
Asphalt heavy duty				X			X				
Concrete				X			X				
Pavement markings / signs											
Retaining walls				X			X				
Site lighting				X			X				
Dumpster enclosure				X			X				
Fencing				X			X		Please Contact Seeger Fence Company for railing and dumpster area		
Landscaping				X			X				
Irrigation				X			X				
Div. 03 – Concrete											
Site concrete											
Curbs / gutter				X			X				
Building sidewalks				X			X				
Site sidewalks				X			X				
Dumpster pad				X			X				
Bollards				X			X		Includes red thermoplastic bumpers		
Building concrete				X			X				
Div. 04 – Masonry											
Site masonry				X			X				
Building masonry				X			X				
Div. 05 – Metals											
Site metals				X			X				
Building metals				X			X				
Metal support assemblies				X			X				
Stainless steel				X			X				
Trim				X			X				
Wall guards				X			X		No Stainless Steel		
Div. 06 – Wood and Plastics											
Site wood and plastics				X			X				
Building wood and plastics				X			X				
Wood support assemblies				X			X				
Millwork				X			X				
Casework - FOH		X					X		#96 Trash cabinets & #97 To-Go rack		

Responsibility Matrix+B2-M23

Project:					Tenant (T):				Tenant: Highway 25 Burger Shakes and Fries	
Location:					Landlord (LL):				Landlord: Real Deal Property Group	
Date Updated:					General Contractor (GC):				General Contractor: Real Deal General Contractor	
	Purchased by:				Installed by:				Notes	
	T	LL	GC	Others	T	LL	GC	Others		
Div. 07 – Thermal and Moisture Protection										
Building thermal and moisture protection			X				X			
Div. 08 – Doors and Windows										
Storefront system			X				X			
Drive-thru window system			X				X			
Doors										
Storefront			X				X			
Exterior			X				X			
Interior			X				X			
Hardware			X				X		Includes safety equipment / signage	
Div. 09 – Finishes										
Floor									Reference Architectural plans	
Sealed concrete- Dining			X				X			
Quarry Tile- Service Areas			X				X		Quarry tile bid as alternate bid	
Grout			X				X		If Quarry tile is selected	
Silikal Flooring- Service Areas			X				X			
Transition strips			X				X			
Wall									Reference Architectural plans	
Wall tile			X				X		Alternate bid for marble paneling in dining area and restrooms. FRP in the drive thru and back room	
Grout			X				X			
Stainless steel trim			X				X			
Paint			X				X			
Pleisto laminate			X				X			
FRP board			X				X			
Stainless steel panels			X				X			
Base										
Aluminum base			X				X			
Vinyl/ base			X				X			
Ceiling										
Lay-in system			X				X			
Gypsum board			X				X			
EIFS			X				X			
Countertops			X				X		Reference Architectural drawings. Countertops ordered and installed by GC	
Div. 10 – Specialties										
Site specialties										
Bike racks		X					X		Will be part of equipment package.	
Mailbox		X					X		Will be part of equipment package.	
Flag pole		X					X		Will be part of equipment package.	
Railing			X				X			
Signs										
Monument / pylon sign		X						X		
Building signs		X						X		
Directional signs		X						X		
Interior menu board		X						X		
Freestanding branding / sign feature									main fin sign on front of building	
Structure			X				X			
Prefinished aluminum wrap			X				X		Changed all that to E.I.F.S.	
Logo sign		X						X		
Restroom										
Mirrors			X				X			
Accessories			X				X		see enlarged restroom plan	
Partitions			X				X			
Prefabricated Canopy			X				X		at drive thru window	
Div. 11 – Equipment										
Kitchen equipment		X					X			
Place / set equipment			X				X			
PVC chases for kitchen equipment			X				X			
Mechanical / plumbing / electrical connections			X				X			
Walk-in cooler / freezer		X					X			
Refrigeration chase			X				X			
Cooler / freezer unit		X					X		See Equipment Drawings	
Back Room equipment		X					X			
Equipment		X					X			
Casework- BOH		X					X		Employee Cubbies over Manager desk- Reference Architectural drawings	
Safe		X						X		
Exterior waste oil system		X						X		
Fire extinguishers / cabinets			X				X			
Low voltage conduit for equipment. With Pull strings.			X				X			
Television		X						X		
Drive thru equipment										
Foundations			X				X		G.C. to provide and install anchor bolts	
Detection loops			X				X		G.C. to provide and install detector loop	
Equipment		X					X			
Inserts for menu board		X			X					

				Tenant (T)			Tenant: Highway 55 Burger Shakes and Fries
Project:				Landlord (LL)			Landlord: Real Zeal Property Group
Date Updated:				General Contractor (GC)			General Contractor: Real Zeal General Contractor
	Purchased by			Installed by			
	T	LL	GC	Others	T	LL	GC Others Notes
Div. 12 – Furnishings							
Furniture							
Interior seating / tables	X					X	
Exterior seating / tables	X					X	
Airwork	X					X	
Div. 13 – Special Construction							
Div. 14 – Conveying Systems							
Div. 15 – Mechanical/Plumbing Mechanical							
Package rooftop units			X			X	
Hood Package	X					X	purchased thru NCA consultants; hoods, fans, grease duct, wrap, controls/accessories.
HVAC Distribution equipment			X			X	
Plumbing							
Kitchen equipment	X					X	Fixtures and equipment per equipment drawings
Plumbing fixtures			X			X	Per plumbing schedules
Plumbing systems			X			X	
water supply			X			X	
sewer drainage			X			X	
gas			X			X	
Div. 16 – Electrical							
Distribution							
Secondary feeders			X			X	Coordinate with Utility Company. Refer to Electrical Plans
Gear			X			X	
Feeders							
Lay-in			X			X	
Recessed			X			X	
Hanging / pendant			X			X	
Special	X					X	Verify with tenant if needed
Emergency / exit lighting			X			X	
Wall packs			X			X	
Accent lighting			X			X	
Site electrical							
Site lighting			X			X	
Ground lighting			X			X	
Monument / pylon sign power			X			X	
Drive-thru equipment power / communication			X			X	
Low voltage							
Miscellaneous	X				X		
Fire alarm							Not Required
Security alarm	X				X		
CO2 alarm			X			X	Not Required
IT	X				X		#94 to be lockable shelving unit
POS	X				X		
Telephone terminal board			X			X	

GENERAL

- A. USE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND SHOP DRAWINGS.
- B. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS AND LATEST ADDENDA, AS WELL AS, SUBMITTING TO ALL SUBCONTRACTORS AND SUPPLIERS PRIOR TO SUBMITTING SHOP DRAWINGS.
- C. DO NOT SCALE DRAWINGS OR AUTO-DIMENSION ELECTRONIC FILES. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES IN WRITING PRIOR TO FABRICATION OR CONSTRUCTION.
- D. COMPARE ALL CONTRACT DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN DISCIPLINES, AND WITHIN A GIVEN DISCIPLINE, TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND ERECTION.
- E. IF A CONFLICT EXISTS AMONG THE STRUCTURAL DRAWINGS, GENERAL NOTES, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, GOVERNS.
- F. COORDINATE ALL ELEVATIONS AND DIMENSIONS, INCLUDING BUT NOT LIMITED TO, OPENINGS IN WALLS AND IN ROOF AND FLOOR SYSTEMS, WITH THE ARCHITECTURAL, PLUMBING, ELECTRICAL, AND MECHANICAL PLANS.
- G. VERIFY ALL DIMENSIONS, ELEVATIONS, AND ANY OTHER EXISTING CONDITIONS. NOTIFY THE ARCHITECT AND ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DURING THE CONSTRUCTION PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE AND TO PROTECT FROM DAMAGE ANY PORTIONS THAT REMAIN. THE SHORING AND BRACING SHOWN (IF ANY) IS A PARTIAL AND SCHEMATIC REPRESENTATION. DETERMINE THE ERECTION PROCEDURE TO ENSURE THE STABILITY AND SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION.
- H. THE COMPLETED LATERAL-FORCE RESISTING SYSTEMS (LFRS), INCLUDING THE DIAPHRAGMS, ARE REQUIRED TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.
- I. UNLESS NOTED OTHERWISE, DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR CONDITIONS.
- J. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS, AS WELL AS SAFETY PRECAUTIONS AND PROGRAMS.
- K. BRITT, PETERS & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR ACTS OR OMISSION OF THE CONTRACTOR, NOR FAILURE TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- L. THE BUILDING OWNER IS RESPONSIBLE FOR PERIODIC MAINTENANCE TO ENSURE STRUCTURAL INTEGRITY. MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO, STEEL/CONCRETE COATINGS, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND CLEANING OF EXPOSED STRUCTURAL ELEMENTS.

DESIGN CRITERIA

- A. STRUCTURAL DRAWINGS ARE BASED ON THE REQUIREMENTS OF THE UNIFORM CONSTRUCTION CODES AND AMENDMENTS OF LOUISIANA 2023 AND THE 2021 INTERNATIONAL BUILDING CODE, AND THE REFERENCED SECTIONS WITHIN.
- B. DEAD LOADS:
1. ROOF SYSTEMS:
- a. WOOD (20 PSF TOTAL)
1. STRUCTURE 6 PSF
2. MEP 4 PSF
3. INSULATION AND ROOFING 10 PSF
- C. LIVE LOADS:
1. LIVE LOADS ARE BASED ON THE MORE RESTRICTIVE OF THE UNIFORM LOAD OR THE CONCENTRATED LOAD LISTED ACTING OVER A 6.25 SQUARE FOOT AREA. LIVE LOADS HAVE BEEN REDUCED AS PRESCRIBED IN THE AFOREMENTIONED BUILDING CODE.

LIVE LOADS		
CATEGORY	UNIFORM LOAD (PSF)	CONCENTRATED LOAD (LBS)
ROOFS: ALL ROOF SURFACES SUBJECT TO WORKERS		300
ROOFS: ORDINARY ROOF	20	

- D. DESIGN SNOW LOADS:
1. GROUND SNOW LOAD: Pg 0 PSF
2. FLAT ROOF SNOW LOAD: Pf 0 PSF
3. SNOW EXPOSURE FACTOR: Ce 1.0
4. SNOW THERMAL FACTOR: Ct 1.0
5. SLOPE FACTOR: Cs 1.0
6. SNOW IMPORTANCE FACTOR: Is 1.0
- E. DESIGN WIND LOADS:
1. BASIC WIND SPEED: Vult 125 MPH (3-SEC GUST)
2. BASIC WIND SPEED: Vasd 100 MPH (3-SEC GUST)
3. RISK CATEGORY: II
4. WIND EXPOSURE: B
5. INTERNAL PRESSURE COEFF: GCpi ±0.18
6. COMPONENTS & CLADDING WIND PRESSURES (ULTIMATE):

Ultimate Design Wind Pressure (psf):								
Effective Wind Area (sq ft)								
Walls:			10	20	50	100	200	500
Interior	Zone 4	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-22.9	-21.9	-20.7	-19.8	-18.8	-17.6
Edge	Zone 5	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-28.1	-26.3	-23.8	-21.9	-20.1	-17.6
Roof:			10	20	50	100	200	500
Interior	Zone 1	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-36.7	-34.3	-31.1	-28.7	-26.3	-23.1
Interior	Zone 1'	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-21.1	-21.1	-21.1	-21.1	-18.2	-16.0
Edge	Zone 2	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-48.5	-45.3	-41.2	-38.1	-35.0	-30.9
Corner	Zone 3	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-48.5	-45.3	-41.2	-38.1	-35.0	-30.9
Overhang:			10	20	50	100	200	500
Edge	Zone 2	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-44.9	-40.8	-35.3	-31.1	-27.0	-21.5
Corner	Zone 3	+	21.1	20.2	18.9	18.0	17.1	16.0
		-	-62.5	-55.3	-45.6	-38.4	-31.1	-21.5
Parapet:			10	20	50	100	200	500
Edge	Zone 2	+	80.3	75.1	68.2	63.0	57.8	50.9
		-	-47.4	-45.0	-41.9	-39.4	-37.0	-33.9
Corner	Zone 3	+	80.3	75.1	68.2	63.0	57.8	50.9
		-	-54.2	-50.6	-45.8	-42.2	-38.6	-33.9

WIDTH OF ZONE, A = 4'-0"

- F. SEISMIC LOADS:
1. RISK CATEGORY: II
2. SEISMIC IMPORTANCE FACTOR: Is 1.0
3. SHORT PERIOD SPECTRAL RESPONSE ACCELERATION: Ss 0.090 g
4. 1-SEC PERIOD SPECTRAL RESPONSE ACCELERATION: S1 0.059 g
5. SITE CLASS: D
6. SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: Sds 0.096 g
7. 1-SEC PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: Sd1 0.094 g
8. SEISMIC DESIGN CATEGORY: A
9. BASIC SEISMIC-FORCE RESISTING SYSTEM: LIGHT FRAMED WOOD SHEAR WALLS
10. DESIGN BASE SHEAR: V 2 K
11. SEISMIC RESPONSE COEFFICIENT: Cs 0.01
12. RESPONSE MODIFICATION FACTOR: R 6.5
13. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATIONS

- A. AN ALLOWABLE BEARING CAPACITY OF 2,000 PSF WAS UTILIZED FOR FOUNDATION DESIGN PER THE GEOTECHNICAL ENGINEERING REPORT, "GEOTECHNICAL ENGINEERING REPORT, HWY 55 RESTAURANT - HAMMOND, LA" BY ECS SOUTHEAST LLP DATED APRIL 21ST, 2023 ECS #65-1349.
- B. ALL SOILS WORK, INCLUDING BACKFILL OF UTILITY TRENCHES AND THE VERIFICATION OF BEARING CAPACITY MUST BE UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER. PROXIMITY OF UTILITY TRENCHES TO BUILDING FOUNDATION SYSTEM MUST BE AS APPROVED BY THE GEOTECHNICAL ENGINEER TO ENSURE INTEGRITY OF THE BEARING SOILS.
- C. ALL FOUNDATIONS BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON PLANS AND DETAILS. COORDINATE FINAL TOP OF FOOTING ELEVATIONS WITH THE ARCHITECTURAL ELEVATIONS, MEP DRAWINGS AND CIVIL GRADING PLANS PRIOR TO PLACEMENT. FOUNDATION STEPS INDICATED ARE APPROXIMATE, UNLESS NOTED OTHERWISE, AND MUST BE FIELD COORDINATED. THE BOTTOM OF EXTERIOR FOUNDATION ELEVATIONS MUST BE BELOW THE FROST DEPTH ELEVATION 16" MEASURED FROM EXTERIOR FINISHED GRADE.
- D. BEAR FLOOR SLABS ON 4 INCH MINIMUM DRAINAGE COURSE (COMPACTED STONE) UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT OR DRAWINGS. PLACE THE VAPOR RETARDER BETWEEN THE DRAINAGE COURSE AND THE SLAB. VAPOR RETARDER IS ASTM E1745, CLASS B, 10 MIL UNLESS NOTED OTHERWISE. PLACE, PROTECT AND REPAIR PER ASTM E1645 AND MANUFACTURER'S INSTRUCTIONS.
- E. DO NOT INSTALL FOUNDATION CONCRETE UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN FOUNDATIONS AND UTILITIES.
- F. ALL FOUNDATIONS, OR PORTIONS THEREOF BELOW GRADE, MAY BE EARTH FORMED BY NEAT EXCAVATIONS. DO NOT PLACE FOUNDATIONS, SLABS, OR OTHER CONCRETE ON FROZEN SUBGRADE OR IN STANDING WATER.
- G. CENTER ALL FOUNDATIONS ON WALLS AND/OR COLUMNS, UNLESS NOTED OTHERWISE.

CONCRETE

- A. CONCRETE MUST CONFORM TO THE CONCRETE PROPERTIES SPECIFIED IN THE CONCRETE PROPERTIES TABLE.
- B. CONCRETE MIXABLE UNIT SHRINKAGE OF 0.045% AT 28 DAYS. (SEE ASTM C157)
- C. SLABS TO RECEIVE MOISTURE SENSITIVE FLOOR COVERINGS MUST HAVE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO OF 0.45.
- D. CONCRETE CONSTRUCTION MUST CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
- E. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING SPECIFICATIONS:
1. PORTLAND CEMENT: ASTM C150, TYPE I OR II
2. AGGREGATE (NORMAL WEIGHT): ASTM C33
- F. ALL REINFORCEMENT MUST CONFORM TO THE FOLLOWING SPECIFICATIONS:
1. ALL REINFORCING, UNO: ASTM A615 GRADE 60
2. WELDED WIRE REINFORCEMENT (WWR):
- a. SMOOTH WIRE: ASTM A1064 (65 KSI)
- b. POLYPROPYLENE FIBRILLATED FIBER MAY BE USED TO SUBSTITUTE WWR IN SLABS ON GRADE WHEN ADDED TO CONCRETE MIX ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDED DOSAGES.
- c. STEEL AND POLYPROPYLENE FIBER BLEND MAY BE USED TO SUBSTITUTE WWR IN SLABS ON COMPOSITE DECK WHEN ADDED TO CONCRETE MIX IN ACCORDANCE WITH THE LATEST VERSION OF THE SPECIFICATION FOR COMPOSITE STEEL FLOOR DECK (ANSI/SI D C) BY THE STEEL DECK INSTITUTE (STEEL FIBERS HAVE 80 PSI RESIDUAL STRENGTH WHEN TESTED IN ACCORDANCE WITH ASTM C 1399).
- G. REINFORCEMENT DETAILING:
1. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI 315.
2. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS NOTED OTHERWISE. REFER TO THE REINFORCING BAR LAP LENGTH SCHEDULE ON THE TYPICAL DETAIL SHEETS.
3. LAP WWR ONE CROSSWIRE SPACING PLUS 2".
4. INSTALL CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS, EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING.
5. INSTALL AND SECURE REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING [ACI 318 SECTION 7.7 AND IBC TABLE 720.1], UNLESS SPECIFICALLY NOTED OTHERWISE:
- a. CAST AGAINST EARTH: 3"
6. INSTALL DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED, UNLESS NOTED OTHERWISE.
- H. CAST FOOTINGS IN ALTERNATE PANELS NOT TO EXCEED 60'-0" IN LENGTH. INSTALL SHEAR KEYS AT EACH CONSTRUCTION JOINT AND LOCATED AT 1/3 POINTS OF SPANS.
- I. DO NOT USE HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS UNLESS SHOWN ON THE DRAWINGS. THE ENGINEER MUST APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.
- J. CAST SLABS MONOLITHICALLY UNLESS NOTED OTHERWISE.
- K. CHAMFER ALL PERMANENTLY EXPOSED CONCRETE EDGES 3/4 INCH, UNLESS NOTED OTHERWISE.
- L. REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE INDICATED. DO NOT CUT REINFORCEMENT.
- M. SLOPE CONCRETE SLABS TO FLOOR DRAINS SHOWN ON MECHANICAL, PLUMBING, CIVIL AND ARCHITECTURAL DRAWINGS.
- N. BOND NEW CONCRETE TO HARDENED CONCRETE WITH A STRUCTURAL ADHESIVE BONDING AGENT PER ASTM C1059. INSTALL PER THE MANUFACTURER'S INSTRUCTIONS.
- O. NO HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
- P. DO NOT EMBED ALUMINUM IN CONCRETE.

CONCRETE PROPERTIES

USAGE	STRENGTH (PSI)	TYPE	COMMENTS	DURABILITY CLASSIFICATION
ALL CONCRETE NOT OTHERWISE SPECIFIED	4000	NWT		F0, S0, W0, C1
FOOTINGS	3000	NWT		F0, S0, W0, C1
SLAB-ON-GRADE INTERIOR	3500	NWT		F0, S0, W0, C0

- CONCRETE PROPERTIES TABLE NOTES:
1. MINIMUM STRENGTH AND MAXIMUM DENSITY MEASURED AT 28 DAYS.
2. NWT = NORMAL WEIGHT CONCRETE
3. DURABILITY CLASSIFICATION INDICATES CONCRETE REQUIREMENTS BY EXPOSURE CLASS, REFER TO TABLE 19.3.2.1 OF ACI 318.

ROUGH CARPENTRY

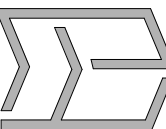
- A. GENERAL
1. LUMBER:
- a. GRADING PER DOC PS 20 AND APPLICABLE GRADING AGENCY RULES.
1. FACTORY MARK EACH PIECE WITH GRADING AGENCY GRADE STAMP.
- b. MAXIMUM MOISTURE CONTENT: 19%
- c. PROTECT MATERIALS FROM WEATHER
- d. SORT AND SELECT LUMBER SO NATURAL CHARACTERISTICS DO NOT INTERFERE WITH INSTALLATION OR FASTENING.
- e. PASS PLUMBING AND CONDUIT THROUGH HOLES, NOT NOTCHES, IN STUDS, SILLS AND PLATES. CENTER HOLES IN THE MEMBER DEPTH. USE GALVANIZED NAIL STOPPERS (16 GAGE MIN.) ON BOTH FACES OF BORED MEMBERS IN ACCORDING WITH THE GOVERNING PLUMBING/ELECTRICAL CODE.
2. PRESERVATIVE-TREATED (PT):
- a. PRESERVATIVE TREATMENT PROCESS: AWPA U1
1. CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND
2. CATEGORY UC3b FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND
3. CATEGORY UC4a FOR ITEMS IN CONTACT WITH GROUND
4. CHEMICALS USED MUST BE ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND NOT CONTAIN ARSENIC, CHROMIUM, NOR AMMONIA-CAL COPPER ZINC ARSENATE (ACZA). DO NOT USE INORGANIC BORON (SBX) FOR SILL PLATES.
- b. KILN-DRY AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
- c. MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSB BOARD.
- d. UNLESS NOTED OTHERWISE, INSTALL PT LUMBER AS FOLLOWS:
1. EXTERIOR LOCATIONS
2. WOOD MEMBERS IN CONTACT WITH MASONRY, MORTAR, GROUT OR CONCRETE
3. WOOD FRAMING MEMBERS LESS THAN 18 INCHES ABOVE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS.
- B. DIMENSIONAL LUMBER
1. UNLESS NOTED OTHERWISE: SOUTHERN PINE NO 2 OR BETTER
2. EXTERIOR WALLS: SOUTHERN PINE NO 2 OR BETTER
3. INTERIOR LOAD BEARING WALLS: SOUTHERN PINE NO 2 OR BETTER
- C. ENGINEERED LUMBER AND STRUCTURAL COMPOSITE LUMBER (SCL)
1. INSTALL ENGINEERED WOOD PRODUCTS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. FOLLOW MANUFACTURER INSTRUCTIONS FOR MULTIPLE FASTENING AS WELL AS LIMITS ON HOLE SIZES AND LOCATIONS.
2. SIZES INDICATED ARE NET DIMENSIONS.
3. LAMINATED-VENEER LUMBER (LVL):
- a. STRUCTURAL CAPACITIES IN ACCORDANCE WITH ASTM D5456
- b. ALLOWABLE UNIT STRESSES FOR DRY CONDITIONS AS FOLLOWS:
1. EXTREME FIBER STRESS IN BENDING, EDGEWISE: 2,600 PSI
2. MODULUS OF ELASTICITY, EDGEWISE: 2,000,000 PSI
- D. FASTENERS
1. NAILS, BRADS, AND STAPLES: ASTM F1667
2. FASTENERS USED IN PRESERVATIVE-TREATED OR FIRE-TREATED LUMBER ARE GALVANIZED TO ASTM STANDARD B695 - CLASS S5, OR A153 - CLASS D.
3. FASTENERS USED IN PROXIMITY TO SALTWATER SPRAY ARE MANUFACTURED FROM TYPE 316 STAINLESS STEEL OR HOT DIP GALVANIZED.
4. AS A MINIMUM, FASTEN ALL WOOD FRAMING TO COMPLY WITH THE "FASTENING SCHEDULE" OF THE REFERENCED BUILDING CODE AND THE ICC-ES EVALUATION REPORT FOR FASTENERS.
5. USE STEEL COMMON NAILS UNLESS NOTED OTHERWISE.
6. STAGGER FASTENERS TO PREVENT SPLITTING, INCLUDING PARALLEL TO GRAIN SPLITTING.
7. FASTEN MULTIPLE MEMBERS TOGETHER USING (3) ROWS OF 16d NAILS AT 12 INCHES OC, UNLESS NOTED OTHERWISE.
- E. CONNECTORS
1. INSTALL CONNECTORS COMPLYING WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL FASTENERS THROUGH EACH FASTENER HOLE, UNLESS NOTED OTHERWISE.
2. CONNECTORS INDICATED ARE MANUFACTURED BY SIMPSON STRONG-TIE, INC. CONNECTORS BY OTHER MANUFACTURERS MAY BE USED IF THE LOAD CAPACITY IS EQUAL TO OR GREATER THAN THE CONNECTOR SPECIFIED. USE MANUFACTURER'S RECOMMENDED FASTENERS, UNLESS NOTED OTHERWISE.
3. CONNECTORS HAVE A MINIMUM CORROSION PROTECTION OF G90 GALVANIZATION COMPLYING WITH ASTM A653.
4. CONNECTORS IN CONTACT WITH PRESSURE TREATED OR FIRE TREATED LUMBER ARE MANUFACTURED FROM SIMPSON ZMAX (G185 GALVANIZED) STEEL COMPLYING WITH ASTM A653.
5. CONNECTORS IN PROXIMITY TO SALTWATER SPRAY ARE MANUFACTURED FROM TYPE 316 STAINLESS STEEL OR HOT DIP GALVANIZED TO ASTM STANDARD A123 - CLASS C.
- F. ERECTION TOLERANCES
1. FRAMING MEMBERS COVERED BY FINISHES SUCH AS WALLBOARD, PLASTER OR CERAMIC TILE SET IN A MORTAR SETTING BED, MUST BE WITHIN THE FOLLOWING LIMITS:
- a. LAYOUT OF WALLS AND PARTITIONS: 1/4 INCH FROM THE INTENDED POSITION
- b. PLATES AND RUNNERS: 1/4 INCH IN 8 FEET FROM A STRAIGHT LINE
- c. STUDS: 1/4 INCH IN 8 FEET OUT OF PLUMB, NOT CUMULATIVE
- d. FACE OF FRAMING MEMBERS: 1/4 INCH IN 8 FEET FROM A TRUE PLANE
2. FRAMING MEMBERS COVERED BY CERAMIC TILE SET IN DRY-SET MORTAR, LATEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE MUST BE WITHIN THE FOLLOWING LIMITS:
- a. LAYOUT OF WALLS AND PARTITIONS: 1/4 INCH FROM THE INTENDED POSITION
- b. PLATES AND RUNNERS: 1/8 INCH IN 8 FEET FROM A STRAIGHT LINE
- c. STUDS: 1/8 INCH IN 8 FEET OUT OF PLUMB, NOT CUMULATIVE
- d. FACE OF FRAMING MEMBERS: 1/8 INCH IN 8 FEET FROM A TRUE PLANE
- G. WALL CONSTRUCTION
1. UNLESS NOTED OTHERWISE USE SINGLE BOTTOM PLATE AND DOUBLE TOP PLATES USING 2x MEMBERS WITH WIDTHS EQUAL TO THE WALL STUDS. FASTEN PLATES TO SUPPORTING CONSTRUCTION. SPLICE TOP PLATES WITHIN THE CENTER THIRD OF THE TOTAL WALL LENGTH WITH A 4 FOOT MINIMUM LAP, UNLESS NOTED OTHERWISE.
2. EXTERIOR WALLS: 2x6 STUDS AT 16 INCHES OC MAX SPACING, UNLESS NOTED OTHERWISE
3. INTERIOR WALLS: 2x6 STUDS AT 16 INCHES OC MAX SPACING, UNLESS NOTED OTHERWISE
4. INSTALL HORIZONTAL BLOCKING AT WALL MIDHEIGHT. BLOCKING IS 2x MEMBERS WITH WIDTHS EQUAL TO THE STUDS.
5. CONSTRUCT CORNERS AND INTERSECTIONS WITH THREE OR MORE STUDS.
6. FRAME WALL OPENINGS WITH MULTIPLE JAMBS STUDS AND HEADERS AS INDICATED. INSTALL HEADER MEMBERS WITH THICKNESS EQUAL TO WIDTH OF THE WALL STUDS.

LMHT Project No.23047.00

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BRITT, PETERS
ASSOCIATES
INC.
consulting engineers

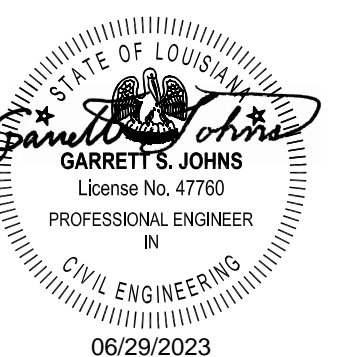
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NATIONAL RESTAURANT DESIGNERS

A DIVISION OF LMHT ASSOCIATES

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PROJECT: HIGHWAY 55
3.2 SHELL PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: GENERAL NOTES

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/28/2023

Drawn by
EGS

Checked by
SDH

Sheet No.

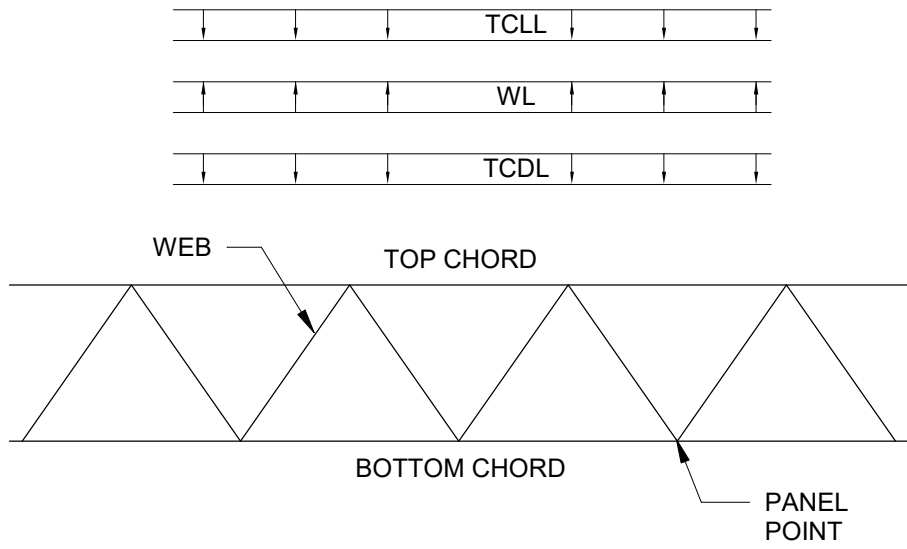
S1.1

WOOD SHEATHING

- A. GENERAL
1. WOOD SHEATHING REFERS TO WOOD STRUCTURAL PANELS, OF EITHER PLYWOOD OR ORIENTED STRAND BOARD (OSB).
 2. WOOD SHEATHING IS APA-RATED SHEATHING, COMPLYING WITH PRODUCT STANDARD DDC PS1 OR DOC PS2. WOOD SHEATHING MANUFACTURER MUST BE A MEMBER OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
 3. PROTECT WOOD SHEATHING FROM WEATHER AND PROVIDE FOR AIR CIRCULATION AROUND STACKS AND UNDER COVERINGS.
 4. PANELS MUST HAVE FACTORY MARKS INDICATING COMPLIANCE WITH APPLICABLE STANDARDS.
 5. THICKNESS NOT LESS THAN INDICATED, AND AS REQUIRED TO COMPLY WITH SPECIFIED REQUIREMENTS.
 6. INSTALL SHEATHING WITH THE STRENGTH DIRECTION (TYPICALLY LONG DIMENSION) PERPENDICULAR TO FRAMING AND WITH END JOINTS STAGGERED.
 7. DO NOT USE MATERIALS WITH DEFECTS IMPAIRING THE QUALITY OF SHEATHING OR PIECES TOO SMALL TO USE WITH MINIMUM NUMBER OF JOINTS. LAYOUT PANELS TO SPAN BETWEEN AT LEAST THREE SUPPORT MEMBERS.
 8. COORDINATE SHEATHING INSTALLATION WITH FLASHING AND JOINT-SEALANT INSTALLATION SO MATERIALS ARE INSTALLED IN A SEQUENCE AND MANNER PREVENTING EXTERIOR MOISTURE FROM PASSING THROUGH THE COMPLETED ASSEMBLY.
 9. DO NOT BRIDGE BUILDING EXPANSION JOINTS.
 10. WHERE EITHER 2 INCH OR 2 1/2 INCH FASTENER SPACINGS ARE SPECIFIED TO 2 INCH OR LESS FRAMING MEMBERS, THE FRAMING MEMBER AT ADJOINING PANEL EDGES MUST BE 2 1/2 INCH WIDE OR GREATER. STAGGER FASTENERS AT PANEL EDGES IN TWO LINES.
- B. PRESERVATIVE-TREATED (PT):
1. PRESERVATIVE TREATMENT PROCESS: AWPA U1
 - a. CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND
 - b. CATEGORY UC3b FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND
 - c. CATEGORY UC4a FOR ITEMS IN CONTACT WITH GROUND
 - d. CHEMICALS USED MUST BE ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND NOT CONTAIN ARSENIC, CHROMIUM, NOR AMMONIA-CAL COPPER ZINC ARSENATE (ACZA).
 2. MARK SHEATHING WITH APPROPRIATE CLASSIFICATION MARKING OF AN INSPECTION AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
 3. UNLESS NOTED OTHERWISE, INSTALL PT SHEATHING IN CONTACT WITH MASONRY, MORTAR, GROUT OR CONCRETE, OR, WHEN USED WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATER PROOFING.
- C. WALL SHEATHING
1. SPAN RATING: NOT LESS THAN 32/16
 2. NOMINAL THICKNESS: NOT LESS THAN 1/2 INCH
 3. EXPOSURE AND DURABILITY CLASSIFICATION: EXPOSURE 1
 4. FASTENING METHOD, UNLESS NOTED OTHERWISE:
 - a. FASTENERS: 10d RING SHANK NAILS
 - b. BOUNDARY EDGE SPACING: 6 INCHES OC
 - c. PANEL EDGE SPACING: 6 INCHES OC
 - d. FIELD SPACING: 12 INCHES OC
 5. REFERENCE SHEARWALL DETAILS FOR SHEARWALL SHEATHING FASTENING, BLOCKING AND OTHER DETAILS.
- D. ROOF SHEATHING
1. SPAN RATING: NOT LESS THAN 40/20
 2. NOMINAL THICKNESS: NOT LESS THAN 5/8 INCH
 3. EXPOSURE AND DURABILITY CLASSIFICATION: EXPOSURE 1
 4. FASTENING METHOD, UNLESS NOTED OTHERWISE:
 - a. FASTENERS: 8d RING SHANK NAILS
 - b. BOUNDARY EDGE SPACING: 4 INCHES OC
 - c. PANEL EDGE SPACING: 6 INCHES OC
 - d. FIELD SPACING: 12 INCHES OC
 5. UNLESS NOTED OTHERWISE, INSTALL BLOCKING AT ALL SHEATHING EDGES AND FASTEN SHEATHING EDGES TO BLOCKING ACCORDING TO PANEL EDGE SPACING.
- E. FASTENERS
1. AS A MINIMUM, FASTENING TO COMPLY WITH THE "FASTENING SCHEDULE" OF THE REFERENCED BUILDING CODE AND THE ICC-ES EVALUATION REPORT FOR FASTENERS.
 2. USE STEEL COMMON NAILS INTO WOOD FRAMING AND SCREWS INTO COLD-FORMED METAL FRAMING, UNLESS NOTED OTHERWISE.
 3. NAILS, BRADS, AND STAPLES: ASTM F1667.
 4. SCREWS FOR FASTENING SHEATHING TO WOOD FRAMING: ASTM C1002.
 5. SCREWS FOR FASTENING SHEATHING TO COLD-FORMED METAL FRAMING: ASTM C954, EXCEPT WITH WAFER HEADS (MIN HEAD DIA=0.333 INCHES) AND REAMER WINGS, LENGTH AS RECOMMENDED BY SCREW MANUFACTURER.
 6. FOR ROOF, PARAPET, AND WALL SHEATHING, USE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A153 OR TYPE 304 STAINLESS STEEL.
 7. FOR ROOF, PARAPET, AND WALL SHEATHING WITH ORGANIC-POLYMER OR OTHER CORROSION-PROTECTION COATINGS, USE FASTENERS WITH A SALT-SPRAY RESISTANCE OF MORE THAN 800 HOURS ACCORDING TO ASTM B117.

PREFABRICATED WOOD TRUSSES

- A. DESIGN TRUSSES IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" (NDS) AND ITS "SUPPLEMENT", AS WELL AS THE TRUSS PLATE INSTITUTE (TPI), DESIGN TRUSSES FOR THE DESIGN CRITERIA INDICATED.
- B. FABRICATE, INSTALL AND BRACE TRUSSES IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI).
- C. SUBMIT SHOP DRAWINGS AND CALCULATIONS SEALED BY REGISTERED PROFESSIONAL ENGINEER, INCLUDING TRUSS LAYOUT, TRUSS PROFILES, INSTALLATION INSTRUCTIONS, DESIGN LOADINGS AND REACTIONS APPLIED TO THE SUPPORTING STRUCTURE. DESIGN TRUSSES USING "PIN" CONNECTION AT ONE SUPPORT AND "ROLLER" CONNECTION AT OTHER SUPPORT LOCATIONS. "PIN" IS DEFINED AS A SUPPORT RESISTING VERTICAL AND HORIZONTAL LOADS. "ROLLER" IS DEFINED AS RESISTING ONLY VERTICAL LOADS. DO NOT FABRICATE TRUSSES UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND RETURNED. DESIGN TRUSSES TO BEAR ONLY ON THE STRUCTURAL SUPPORT MEMBERS INDICATED.
- D. WOOD FRAMING MEMBERS: PS 20 "AMERICAN SOFTWOOD LUMBER STANDARD"
1. SOUTHERN PINE NO. 2 OR BETTER, SPIB
 2. 19 PERCENT MAXIMUM MOISTURE CONTENT
 3. SELECT FRAMING MEMBERS SO KNOTS OR OTHER WOOD IMPERFECTIONS DO NOT OCCUR AT PANEL POINTS/CONNECTOR PLATES.
- E. METAL CONNECTOR PLATES, UNLESS NOTED OTHERWISE:
- a. AT INDOOR LOCATIONS: ASTM A653 WITH G60 GALVANIZED COATING
 - b. AT PRESERVATIVE TREATED LUMBER: ASTM A653 WITH G185 GALVANIZED COATING TO 0.036 INCH MIN THICKNESS
- F. REFERENCE ROUGH CARPENTRY NOTES FOR WOOD-PRESERVATIVE-TREATED LUMBER
- G. LIMIT TRUSS AND MEMBER DEFLECTIONS PER REFERENCED BUILDING CODE.
- H. TRUSS TO TRUSS CONNECTIONS ARE BY THE TRUSS ENGINEER. WHERE MULTIPLE TRUSS PLIES ARE INDICATED, FASTEN TOGETHER AS INDICATED BY THE TRUSS MANUFACTURER.
- I. TRUSS CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY AND PERMANENT BRACING AS REQUIRED FOR SAFE ERECTION OF THE TRUSSES, OR AS RECOMMENDED BY THE MANUFACTURER AND TPI, IN ADDITION TO ANY BRACING INDICATED.
- J. DESIGN AND INSTALL BOTTOM CHORD BRACING WHERE CEILING SHEATHING DOES NOT ATTACH DIRECTLY TO TRUSS BOTTOM CHORD. COORDINATE EXTENTS OF CEILING SHEATHING WITH ARCHITECTURAL DRAWINGS.
- K. REFER TO THE ARCHITECTURAL DRAWINGS FOR TRUSS PROFILES. TRUSS PROFILES INDICATED ON THE STRUCTURAL DRAWINGS ARE FOR SCHEMATIC PURPOSES ONLY. COORDINATE TRUSS WEB CONFIGURATION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS. TRUSS MANUFACTURER MAY USE ALTERNATIVE TRUSS WEB CONFIGURATIONS SUBJECT TO APPROVAL OF THE ARCHITECT. ALIGN WEB MEMBERS IN ADJACENT TRUSSES OF THE SAME PROFILE TO PERMIT PASSAGE OF DUCTWORK.
- L. TRUSS ANCHORAGES AND HOLDDOWNS ARE BASED ON TRUSS LAYOUT INDICATE. COORDINATE FINAL LOCATION OF GANGED STUDS AND HOLDDOWNS WITH TRUSS SHOP DRAWINGS.
- M. INSTALL TRUSS HOLDDOWNS PRIOR TO SHEATHING.
- N. DO NOT ALTER TRUSSES IN FIELD WITHOUT WRITTEN DIRECTION FROM TRUSS ENGINEER. DO NOT CUT, DRILL, NOTCH OR REMOVE TRUSS MEMBERS.
- O. TRUSS DIAGRAMS BELOW ARE FOR SCHEMATIC PURPOSES ONLY TO SHOW THE APPLICATION OF DESIGN LOADS. COMBINE LOADS PER THE REFERENCED BUILDING CODE.



ROOF TRUSS DESIGN CRITERIA

- TCDL = 10 PSF
TCLL = ROOF LIVE LOAD PER DESIGN CRITERIA
WL = WIND LOAD PER DESIGN CRITERIA
SL = SNOW LOAD (INCLUDING DRIFT) PER DESIGN CRITERIA
BCDL = 10 PSF
BCLL = 10 PSF

COLD-FORMED STEEL FRAMING

- A. COLD-FORMED STEEL FRAMING FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (AISI S100).
- B. DETAIL MEMBERS AND CONNECTIONS FOR ALL FRAMING CONDITIONS, INCLUDING WALLS, CORNERS, HEADERS, AND JAMBS. SOME CONDITIONS MAY REQUIRE MODIFICATION OF COLD-FORMED FRAMING MEMBERS (SUCH AS NOTCHING OR REVISING SIZES) OR MULTIPLE STUDS TO SUPPORT INCREASED LOADS. CONTRACTOR COORDINATE ALL CONDITIONS, CONNECTIONS AND DETAILS.
- C. FABRICATION AND INSTALLATION MUST BE IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND MANUFACTURER INSTRUCTIONS. INSTALL MANUFACTURER'S RECOMMENDED STANDARD TRACK, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS, AND ACCESSORIES FOR THE APPLICATIONS INDICATED AND AS NEEDED FOR A COMPLETE FRAMING SYSTEM. TEMPORARY (CONSTRUCTION) BRACING OF FRAMING MEMBERS (PRIOR TO SHEATHING INSTALLATION) IS BY THE CONTRACTOR PER AISI AND MANUFACTURER RECOMMENDATIONS.
- D. COLD-FORMED STEEL MATERIAL: ASTM A1003 STEEL SHEET WITH G60 GALV COATING CONFORMING TO ASTM A653, WITH A MINIMUM YIELD STRENGTH OF 33 KSI (USE 50 KSI FOR 54 MILS AND THICKER) UNLESS NOTED OTHERWISE.
- E. MEMBER SIZES INDICATED ARE PER THE "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA). COMPONENTS SHOWN ARE STRUCTURAL MEMBERS (33 MIL OR THICKER), UNLESS NOTED OTHERWISE. NON-STRUCTURAL MEMBERS AND DRYWALL GAGES ARE NOT PERMITTED.
- F. SCREWS ARE NON-CORROSIVE NO. 8-18 (DIA=0.125") OR LARGER, UNLESS NOTED OTHERWISE. DO NOT USE STAINLESS STEEL OR COPPER-COATED FASTENERS.
- G. WELDING: AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL". CONSULT MANUFACTURER FOR EQUIPMENT RECOMMENDATIONS AND PROPER ELECTRODE SELECTION.
- H. INSTALL MINIMUM OF THREE (3) WALL STUDS AT CORNERS AND INTERSECTING STUD WALLS (UNLESS OTHERWISE INDICATED).
- I. PREPUNCHED HOLES CANNOT BE LOCATED WITHIN 10 INCHES FROM WALL STUD ENDS.
- J. TRACKS ARE THE SAME DEPTH AS STUDS OR JOISTS, UNLESS NOTED OTHERWISE. CONNECT TRACKS TO STUD AND/OR JOIST SUPPORTS AT 16" OC MAXIMUM, ON EACH SIDE. ALIGN WALL STUD FRAMING WITH SUPPORTED STUD/JOIST MEMBERS ABOVE.
- K. DO NOT SPLICE MEMBERS UNLESS OTHERWISE INDICATED. FASTEN MULTI-PLY MEMBERS TOGETHER USING TACK WELDS OR #10 SCREWS AT 12" OC MAXIMUM SPACING, UNLESS NOTED OTHERWISE.
- L. CLADDING AND PARTITION FRAMING, AND CONNECTIONS MUST ACCOMMODATE VERTICAL AND LATERAL DISPLACEMENT OF THE PRIMARY STRUCTURE. COMPLY WITH SSMA TECHNICAL NOTE NO. 1 DATED JANUARY 2000 FOR SLIP TRACK DESIGN.
- M. FASTEN SHEATHING TO FRAMING MEMBERS PER THE WALL SHEATHING NOTES.
- N. REPAIR DAMAGED GALVANIZED COATINGS AND WELDED AREAS IN ACCORDANCE WITH ASTM A780.

POST-INSTALLED ANCHORS

- A. ONLY USE POST-INSTALLED ANCHORS WHERE SPECIFIED ON THE DRAWINGS.
- B. OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
- C. LOCATE EXISTING REBAR, REINFORCING AND ANCHORS PRIOR TO DRILLING. DO NOT DAMAGE OR DISTURB EXISTING REBAR, REINFORCING OR ANCHORS.
- D. INSTALL ANCHORS ACCORDING TO MANUFACTURER'S INSTRUCTIONS, INCLUDING BUT NOT LIMITED TO: EXPIRATION DATE, INSTALLATION TEMPERATURE, DRILLING METHOD, HOLE SIZE, HOLE DEPTH, HOLE CLEANING, MIXING PROCEDURE, ANCHOR INSTALLATION AND CURING. CONTACT THE MANUFACTURER PRIOR TO DRILLING IF TRAINING IS REQUIRED.
- E. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR MINIMUM EDGE DISTANCES AND SPACING.
- F. UNLESS NOTED OTHERWISE, EMBED ANCHORS IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD.
- G. ADHESIVE ANCHOR DESIGN BOND STRENGTH IS BASED ON CRACKED CONCRETE, ACI 308.4 TEMPERATURE CATEGORY B, AND INSTALLATIONS INTO DRY HOLES DRILLED USING A HAMMER DRILL INTO CONCRETE CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS MUST BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318.
- H. INSPECT ANCHOR INSTALLATION PER APPLICABLE BUILDING CODE AND SPECIAL INSPECTION REQUIREMENTS.
- I. SUBMIT SUBSTITUTION REQUESTS TO THE STRUCTURAL ENGINEER, INCLUDING CALCULATIONS PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THE SUBSTITUTED PRODUCT WILL ACHIEVE AN EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE REQUIRED BY THE BUILDING CODE.

SPECIAL INSPECTIONS AND TESTING

- A. SPECIAL INSPECTIONS AND TESTING ARE PERFORMED IN ACCORDANCE WITH IBC CHAPTER 17 AND LOCAL JURISDICTION PROVISIONS, BY AN INDEPENDENT INSPECTION AND TESTING AGENCY. THE SPECIAL INSPECTOR MUST OBSERVE AND TEST THE WORK FOR CONFORMANCE TO THE CONTRACT DOCUMENTS.
- B. THE SPECIAL INSPECTOR MUST FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL. THE ENGINEER OR ARCHITECT OF RECORD, AND ALL OTHER DESIGNATED INDIVIDUALS, ALL DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF NOT CORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- C. THE SPECIAL INSPECTOR MUST SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK IS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, SOILS REPORT AND APPLICABLE WORKMANSHIP OF THE BUILDING CODE.

SUBMITTALS

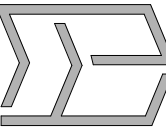
- A. CONTRACTOR MUST REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING FOR REVIEW. SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND/OR ENGINEER FOR REVIEW. FABRICATE AND CONSTRUCT FROM THE REVIEWED SUBMITTALS. ALLOW 10 BUSINESS DAYS FOR EACH SUBMITTAL REVIEW UNLESS AN ALTERNATE REVIEW TIME IS AGREED UPON BY ALL PARTIES. IN THE EVENT MULTIPLE SUBMITTALS ARE SUBMITTED AT THE SAME TIME, THE CONTRACTOR MUST INDICATE WHICH SUBMITTALS HAVE PRIORITY.
- B. MAINTAIN A RECORD SET OF APPROVED SHOP DRAWINGS IN THE FIELD.
- C. SUBMIT IN WRITING ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO, THE STRUCTURE OR ANY PART OF THE STRUCTURE DETAILED, TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED SPECIFIC CHANGES ARE BEING REQUESTED.
- D. PREPARE A LIST AND SCHEDULE OF ALL STRUCTURAL SUBMITTALS PRIOR TO CONSTRUCTION.
- E. SUBMIT THE FOLLOWING SHOP DRAWINGS FOR THE ENGINEER'S REVIEW:
1. REINFORCING STEEL
 2. PREFABRICATED WOOD TRUSSES (1, 3)
 3. CANOPIES (1, 3)
 4. CONCRETE MIX DESIGN
- F. SUBMIT ITEMS MARKED (1) SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMIT ITEMS MARKED (2) FOR OWNER'S RECORD ONLY AND WILL NOT HAVE THE ENGINEER'S SHOP DRAWING STAMP AFFIXED. SUBMIT ITEMS MARKED (3) WITH DESIGN CALCULATIONS SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED.
1. THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATERIALS, REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.
- G. THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEM TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

LMHT Project No. 23047.00

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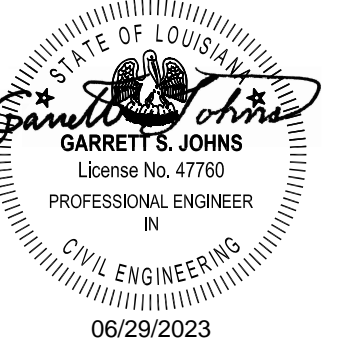
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NATIONAL RESTAURANT DESIGNERS

A DIVISION OF LMHT ASSOCIATES

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PROJECT: HIGHWAY 55
3.2 SHELL PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: GENERAL NOTES

Revisions

THRU ADDENDUM "D"
11/21/2022

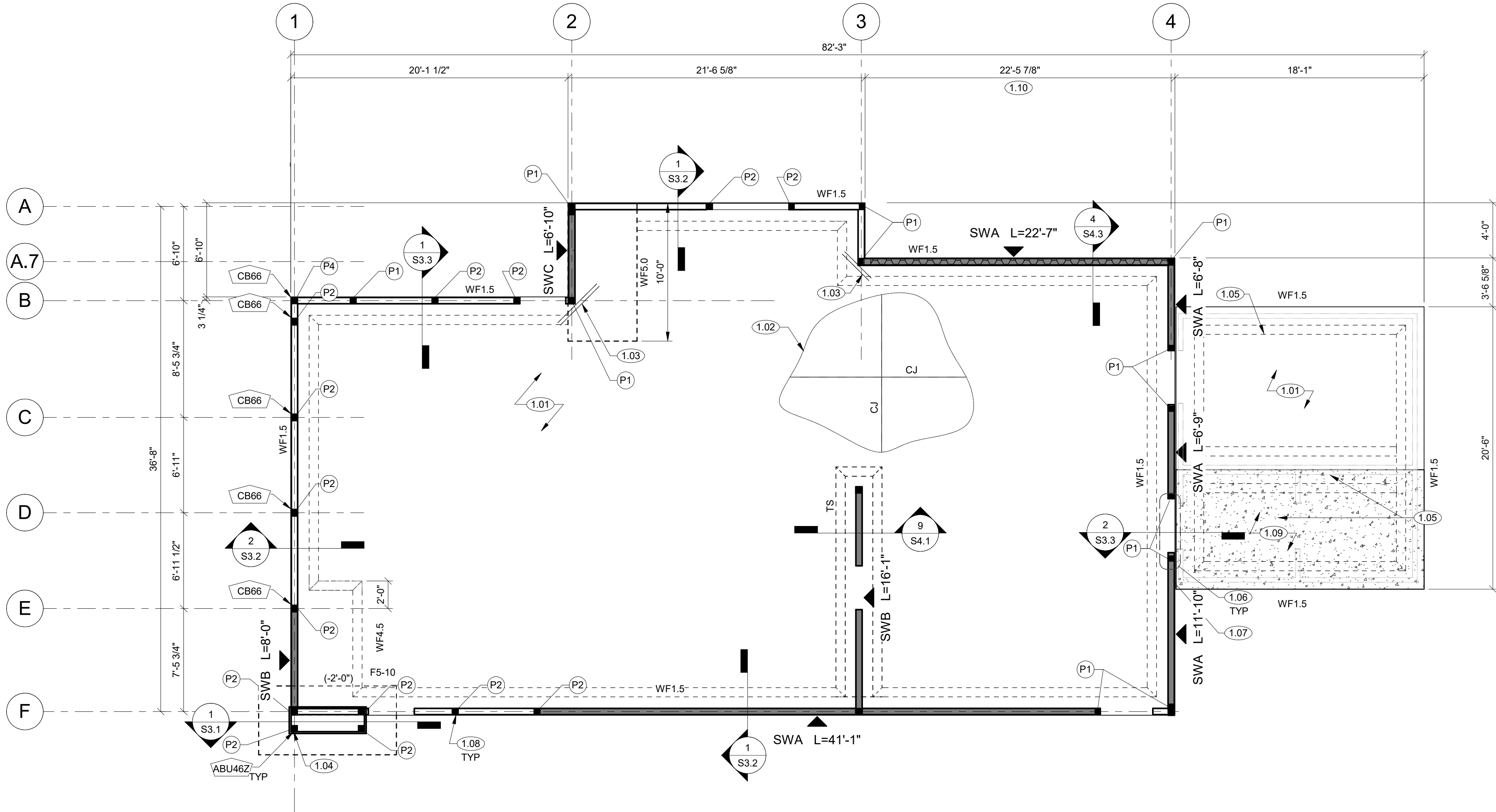
PROJECT DATE
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S1.2



NOTE REGARDING REINF COVER REQUIREMENTS

ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE MINIMUM COVER REQUIREMENTS PER ACI AS OUTLINED IN THE GENERAL NOTES. SPECIFIC BAR LOCATIONS SHOWN IN SECTIONS AND DETAILS MAY OVERRIDE BUT NOT VIOLATE THE MINIMUM COVER REQUIREMENTS.

FOUNDATION NOTE SCHEDULE

MARK	DESCRIPTION
1.01	4" CONCRETE SLAB REINF W/ 6x6-W1.4xW1.4 WWR ON 10 MIL VAPOR RETARDER ON 4" GRANULAR BASE ON PREPARED SUBGRADE
1.02	CJ INDICATES CONTROL JOINT. REF 1/S4.1
1.03	(2) #3 x 2'-6" DIAGONAL REINF. AT MID DEPTH WHERE SHOWN. (TYP) UNO
1.04	CONC PIER REF 14/S4.1
1.05	PRE-ENGINEERED FREEZER/COOLER/STORAGE AND CONNECTIONS BY DELEGATE SPECIALTY ENGINEER
1.06	REF HEADER SCHEDULE, WD POST SCHEDULE AND 1/S4.2 FOR ADDITIONAL INFO AT WOOD FRAMED OPENINGS.
1.07	CONT. 1/2" ISOLATION JOINT. TYP U.N.O.
1.08	HTT4 W/ TITEN HD AT EACH WOOD POST. REF 1/S4.2 (TYP. U.N.O.)
1.09	6" THICK CONC SLAB ON GRADE W/ 6x6-W2.9xW2.9 WWF ON VAPOR BARRIER/RIGID INSULATION OVER COMPACTED SOIL. COORD W/ ARCH DRAWINGS AND FREEZER/COOLER MANUFACTURER FOR ADDITIONAL INFO.
1.10	CFS WALL FRAMING, REF 4/S4.3

FOUNDATION PLAN LEGEND

- ## DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
- F#x# DENOTES FOOTING (F), REF SCHEDULE THIS SHEET
- WF#.# DENOTES WALL FOOTING (WF), REF SCHEDULE THIS SHEET
- ### DENOTES SIMPSON CONNECTOR REF SCHEDULE ON S2.2
- (#-#) DENOTES TOP OF FOOTING (T/FTG)
- 6" DENOTES EXTENT OF 6" (MIN) THICK CONCRETE SLAB-ON GRADE
- CJ DENOTES SLAB CONTROL OR CONSTRUCTION JOINT. JOINT SHALL BE PLACED AT 15 FEET OC MAX. SLAB UNITS CREATED BY JOINT LAYOUTS SHALL BE AS SQUARE AS POSSIBLE & WITH A MAXIMUM ASPECT RATIO OF 1.25 TO 1, AND LIMITED TO AN AREA NOT EXCEEDING 225 SQUARE FEET.
- (P#) DENOTES WOOD POST. REFER TO WOOD POST SCHEDULE THIS SHEET (TYP) UNO
- SW# DENOTES WOOD SHEAR WALL, REF SCHEDULE AND TYPICAL DETAILS
- TS DENOTES THICKENED SLAB, REF 9/S4.1
- 6x6x16 DENOTES 600S162-43 WALL STUDS @ 16" OC

FOUNDATION PLAN

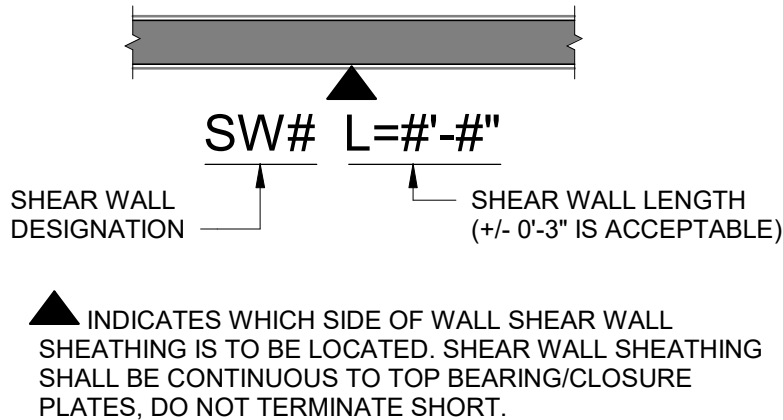
3/16" = 1'-0"

NOTES:
REF S1.3 FOR TYPICAL NOTES, SCHEDULES, AND LEGENDS.

FOUNDATION PLAN NOTES

- REF TO GEOTECHNICAL REPORT FOR SOIL PREPARATION REQUIREMENTS AND/OR BASECOURSE REQUIREMENTS BELOW VAPOR RETARDER.
- T/ SLAB ELEVATION = 0'-0" U.N.O.
- 6" WALL FTG ELEVATION = -1'-6" U.N.O.
- TOP OF ISOLATED COLUMN FTG ELEVATION = -1'-6" U.N.O.
- WALL FOOTINGS TO BE TYPE "WF1.5" U.N.O.
- REF ARCH & CIVIL FOR EXTERIOR SLAB AND SIDEWALK INFORMATION

SHEAR WALL LEGEND



FOOTING (F) SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING				REMARKS
				TOP	SHORT	LONG	BOTTOM	
F5-10	5'-0"	10'-0"	1'-0"	--	--	(10) #5	(5) #5	

WALL FOOTING (WF) SCHEDULE

WALL FOOTING (WF) SCHEDULE							
MARK	DIMENSIONS		REINFORCING				REMARKS
	WIDTH "W"	THICKNESS "T"	BOTTOM BARS		TOP BARS		
			LONG	SHORT	LONG	SHORT	
WF1.5	1'-6"	1'-6"	(2) #5 x CONT	#4 @ 18" OC	--	--	
WF4.5	4'-6"	1'-6"	(5) #5 x CONT	#4 @ 18" OC	--	--	
WF5.0	5'-0"	3'-0"	(7) #5 x CONT	#5 @ 12" OC	(7) #5 x CONT	#5 @ 12" OC	

WOOD POST SCHEDULE

MARK	SIZE AND DESCRIPTION
P1	(3) 2x GANGED WALL STUDS
P2	(3) 1.75x5.5 LVL GANGED STUDS
P3	(4) 1.75x5.5 LVL GANGED STUDS
P4	6x6 WOOD POST

WOOD SHEAR WALL (WSW) SCHEDULE

SHEAR WALL ID	SHEATHING	EDGE NAILING	FIELD NAILING	SILL ANCHORAGE	WALL CAPACITY (PLF)	NO OF END STUDS	HOLDOWN (AT SW ENDS)	REMARKS
SWA	(1) 15/32" WSP	10d @ 6" OC	10d @ 12" OC	1/2" DIA TITEN HD ANCHORS @ 32" OC	475	3	SIMPSON HDU5	
SWB	(1) 15/32" WSP	10d @ 4" OC	10d @ 6" OC	1/2" DIA TITEN HD ANCHORS @ 24" OC	715	3	SIMPSON HDU8	
SWC	(1) 15/32" WSP	10d @ 3" OC	10d @ 6" OC	1/2" DIA TITEN HD ANCHORS @ 16" OC	930	4	SIMPSON HDU14	(2) 2x6 WALL STUDS

- NOTES:
- WOOD: REQUIRED ANCHORAGE PER 16" OC.
 - REF S4.2 FOR FURTHER REQUIREMENTS.
 - SWA ATTACHMENT REQUIREMENTS APPLICABLE TO ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS.
 - REQUIRED ANCHORAGE PER 12" OC.

PROJECT: HIGHWAY 55
3.2 SHELL PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: FOUNDATION PLAN

Revisions

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06/28/2023

Drawn by

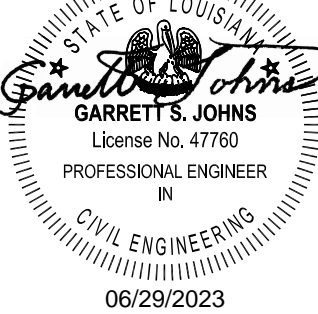
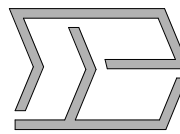
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SDH

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S2.1



Revisions

THRU ADDENDUM "D"
11/21/2022

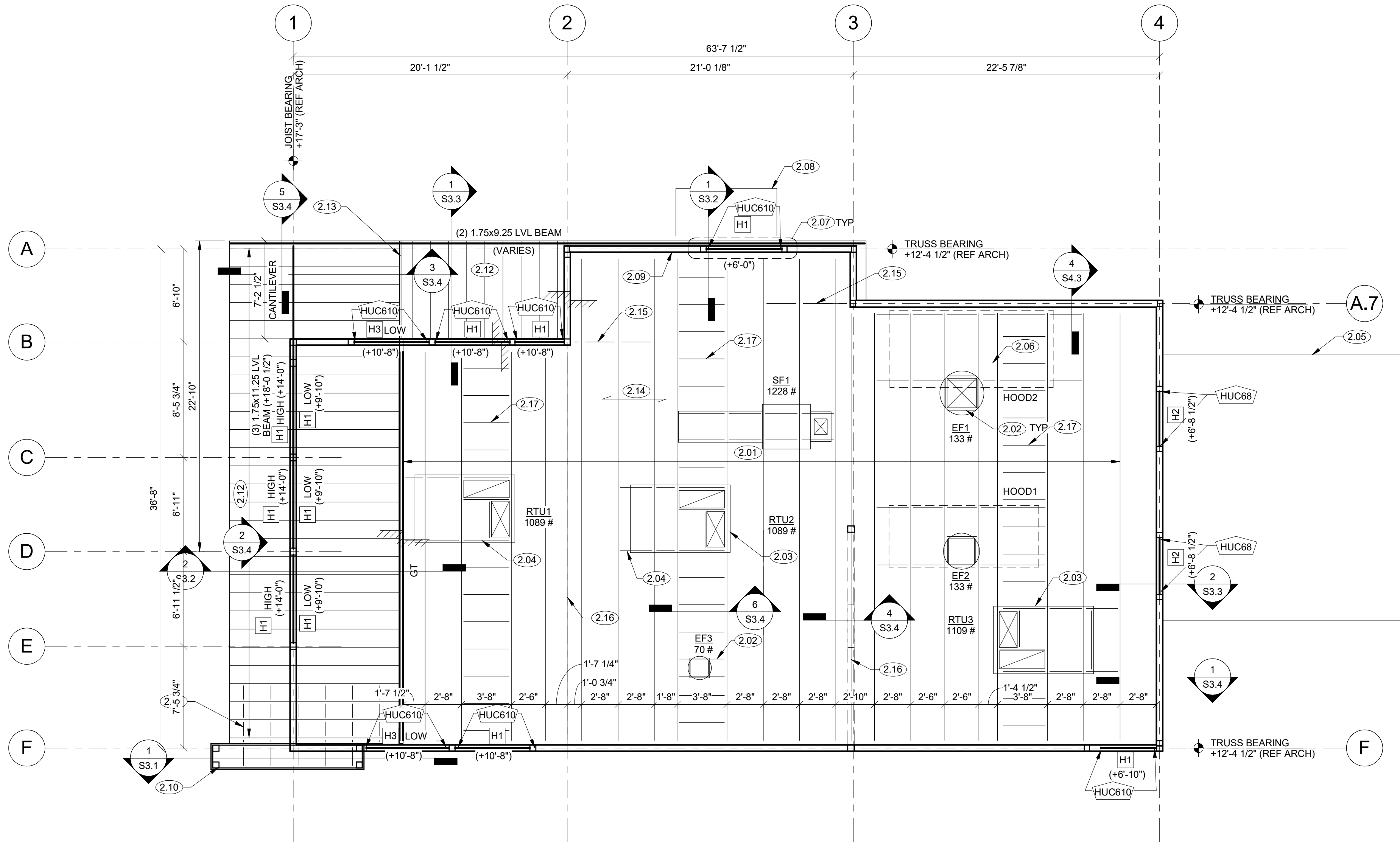
PROJECT DATE
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ROOF FRAMING PLAN

3/16" = 1'-0"

ROOF FRAMING PLAN NOTES

1. REF PLAN FOR TRUSS BEARING (T/BEARING), COORD W/ ARCH.
2. REF SHEET S1.3 FOR SCHEDULES.

ROOF FRAMING NOTE SCHEDULE

##

REF PLANS AND DETAILS FOR SHEET NOTES REQUIRED, NOT ALL NOTES APPLICABLE TO THIS SHEET	
MARK	DESCRIPTION
2.01	PRE-ENGINEERED TRUSSES @ 32" OC MAX
2.02	REF1/S4.3 FOR BLOCKING AND ADDITIONAL REQUIREMENTS AT ROOF PENETRATIONS (TYP)
2.03	RTU NOTE: WEIGHT INCLUDES 150# MAX WEIGHT FOR PRE-ENGINEERED CURB (TYP) UNO, NOTIFY ARCH/ENGR OF ANY DISCREPANCIES.
2.04	PROVIDE MECH CURB FRAMING, REF 2/S4.3
2.05	PRE-ENGINEERED FREEZER/COOLER BY OTHERS
2.06	SUSPENDED HOODS W/ 16 ROD LOCATIONS, COORD W/ HOOD MFR, REF 3/S4.3 FOR HOOD SUPPORT BLOCKING.
2.07	REF HEADER SCHEDULE, WD POST SCHEDULE AND 1/S4.2 FOR ADDITIONAL INFO AT WOOD FRAMED OPENINGS
2.08	PRE-ENGINEERED AWNING AND CONNECTIONS BY DELEGATE SPECIALTY ENGINEER SELECTED BY CONTRACTOR, DESIGNED FOR OPEN-OBSTRUCTED WIND FLOW. SUBMIT FINAL S/S SHOP DWG'S. FOR REVIEW. (TYP)
2.09	PRE-ENGINEERED BLOCKING TRUSS BETWEEN EA WOOD TRUSS. REF TO 3/S4.3
2.10	SIGN STRUCTURE. REF 2/S3.1
2.11	2x6 BLOCKING, REF 2/S3.1
2.12	2x6 JOISTS @ 16" OC
2.13	(2) 2x6 JOISTS
2.14	ROOF SHEATHING REF GENERAL NOTES
2.15	2x6 BLOCKING W/ SIMPSON L30 AT EA END AND CONT SIMPSON CS 16 STRAP LAID FLAT ON DECK ABOVE
2.16	DESIGN TRUSS FOR 6K AXIAL LOAD ASD
2.17	2x6 BLOCKING @ 24" OC MAX

ROOF FRAMING PLAN LEGEND

DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET

H# DENOTES WOOD HEADER/ BEAM, REF SCHEDULE ON THIS SHEET.

GT DENOTES GIRDER TRUSS, DESIGNED BY SUPPLIER

DENOTES SIMPSON CONNECTOR REF SCHEDULE ON S2.2

(#.#) DENOTES BOTTOM ELEVATION OF MEMBER

CONNECTOR SCHEDULE

####

MARK	UPLIFT CAP. (#)	LATERAL CAPACITY		REMARKS
		PERP. TO TRUSS (#)	PAR. TO TRUSS (#)	
A34	-	465	430	
ABU46Z	2460	-	-	
CB66	4510	-	-	
H2.5A	565	110	110	
H3	400	210	170	
H10A	1340	565	285	
HH6	1045	1605	1630	
HTS20	1310	-	-	
HTT4	4235	-	-	
HUC68	1550	-	-	
HUC610	1550	-	-	
HUS26	1320	-	-	TRUSS/JOIST HANGER
LSTA18	1235	-	-	
SP1	555	-	-	

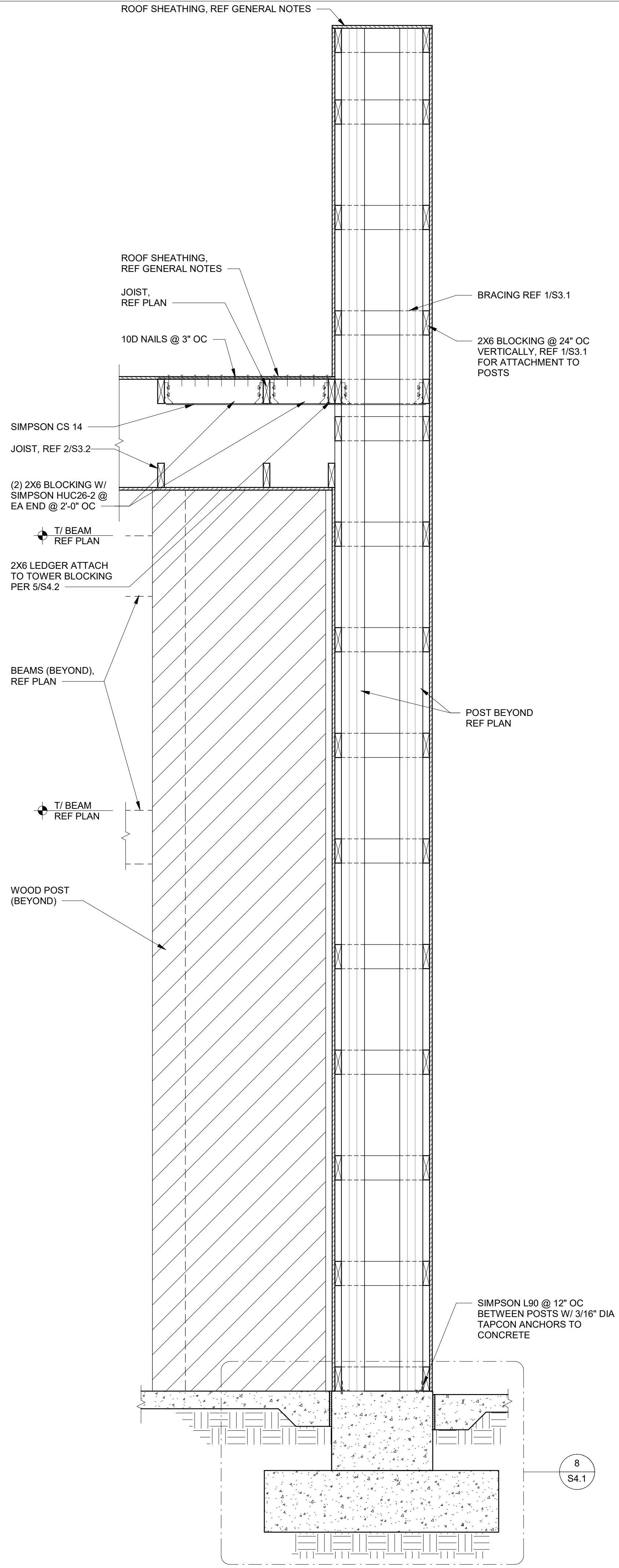
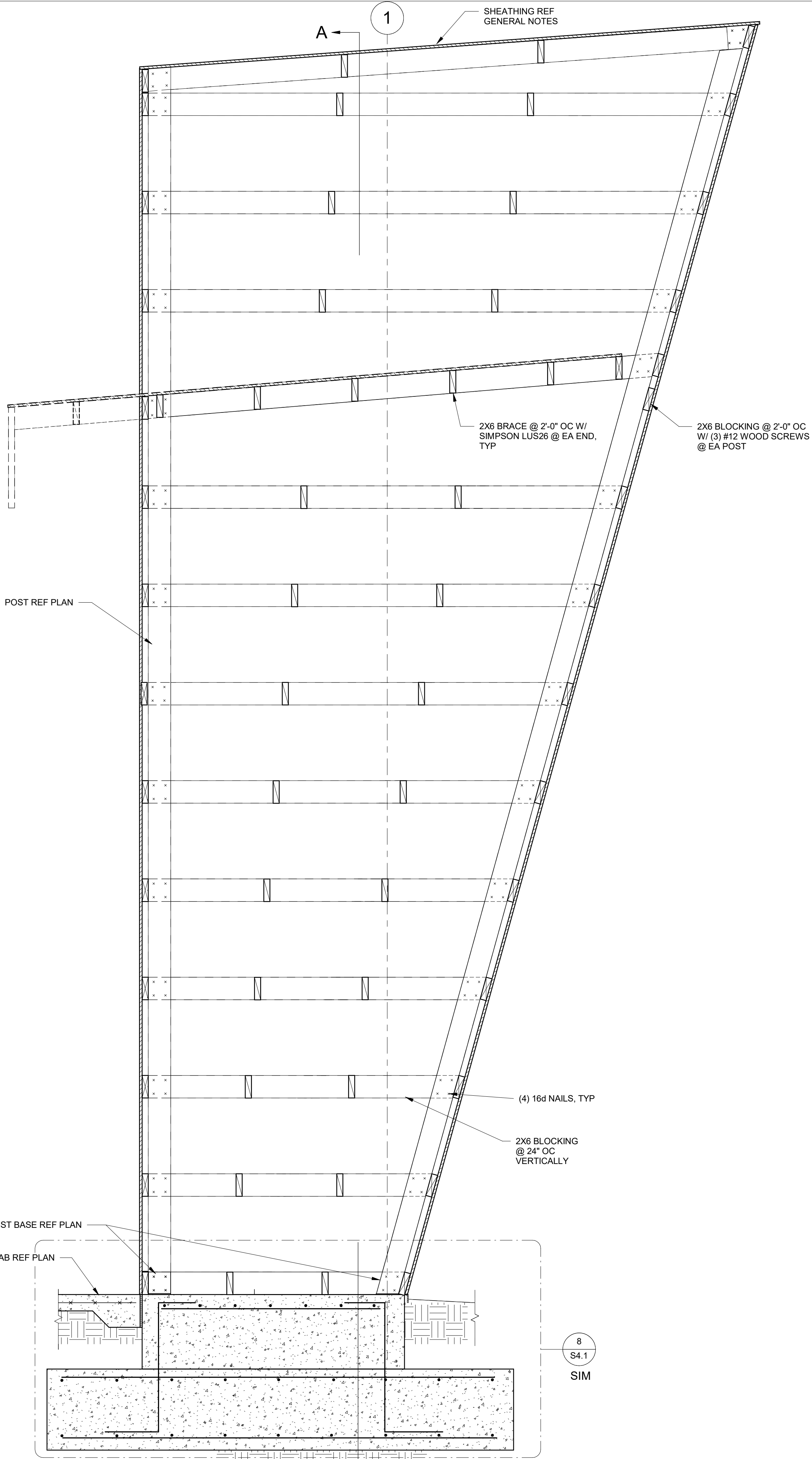
- NOTES:
1. FASTEN ALL CONNECTORS WITH MAX NAILING PATTERNS. REF PLANS FOR LOCATIONS.

WOOD HEADER SCHEDULE

#

CALLOUT	SIZE	COMMENTS
H1	(3) 2x10	REF PLAN FOR BRG
H2	(3) 2x8	REF PLAN FOR BRG
H3	(3) 1.75x7.25 LVL	REF PLAN FOR BRG

- NOTES:
1. INSTALL 1/2" PLYWOOD FILLER BETWEEN PLYS OF HEADERS
 2. AT LOCATIONS OF HEADER TO POST ATTACHMENT USE SIMPSON HH6 CONNECTOR U.N.O.



1 SECTIONS
3/4" = 1'-0"

SECTION A-A

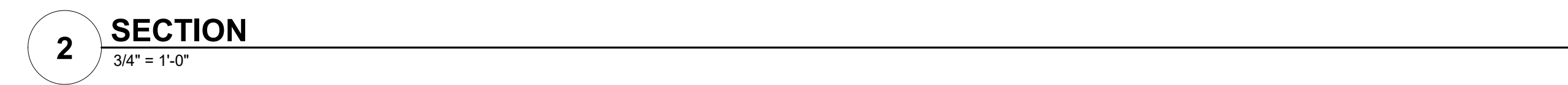
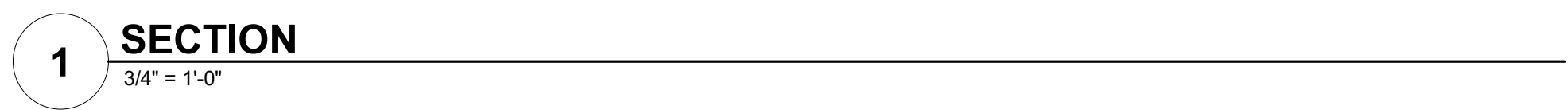
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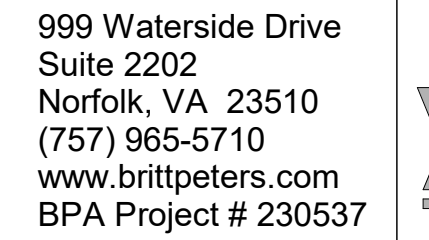
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06/29/2023

PROJECT: **HIGHWAY 55**
3.2 SHELL PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: **SECTIONS**

Revisions	
THRU ADDENDUM "D"	11/21/2022
PROJECT DATE	06/28/2023
Drawn by	EGS
Checked by	SDH
Sheet No.	S3.1

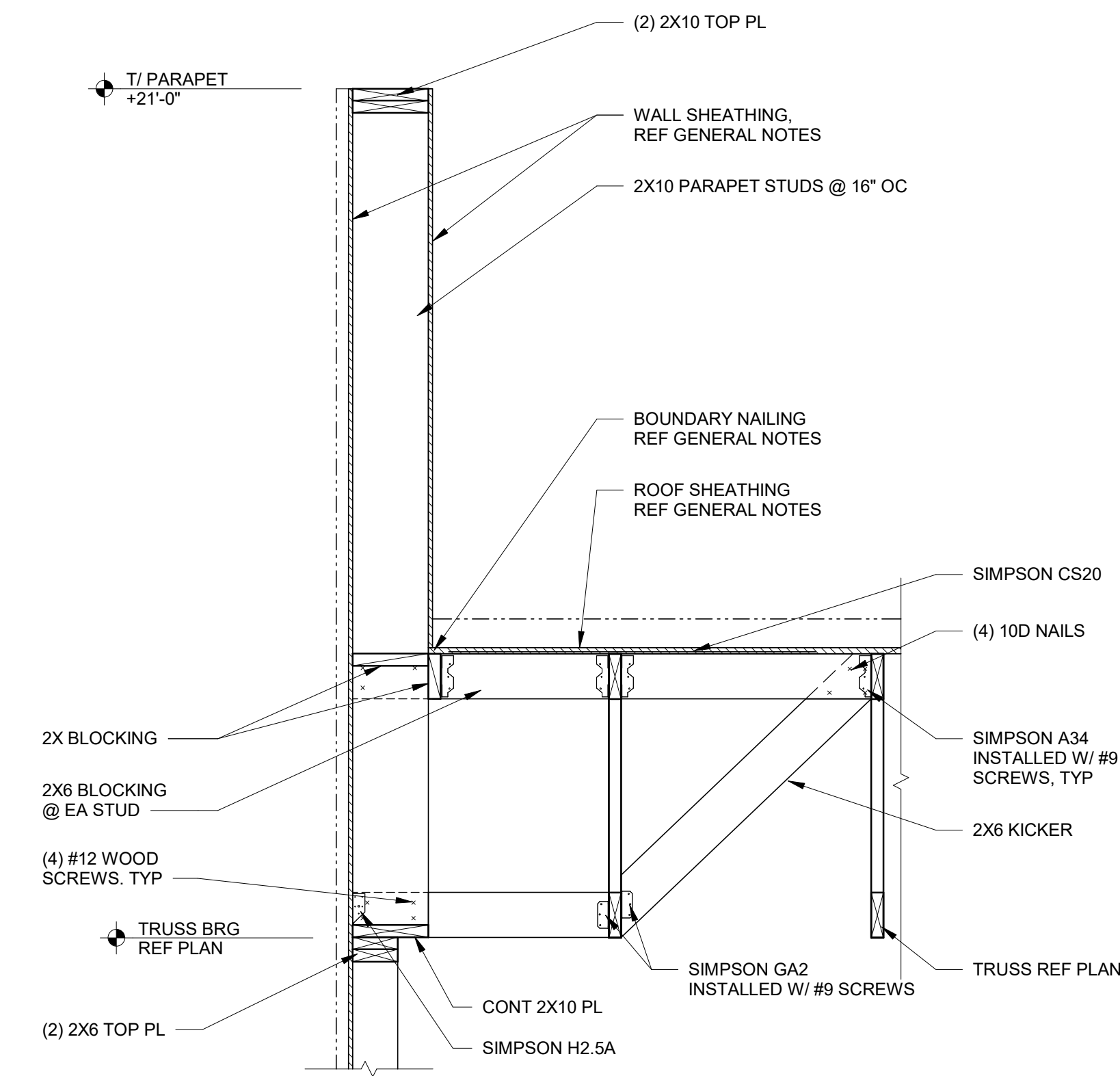




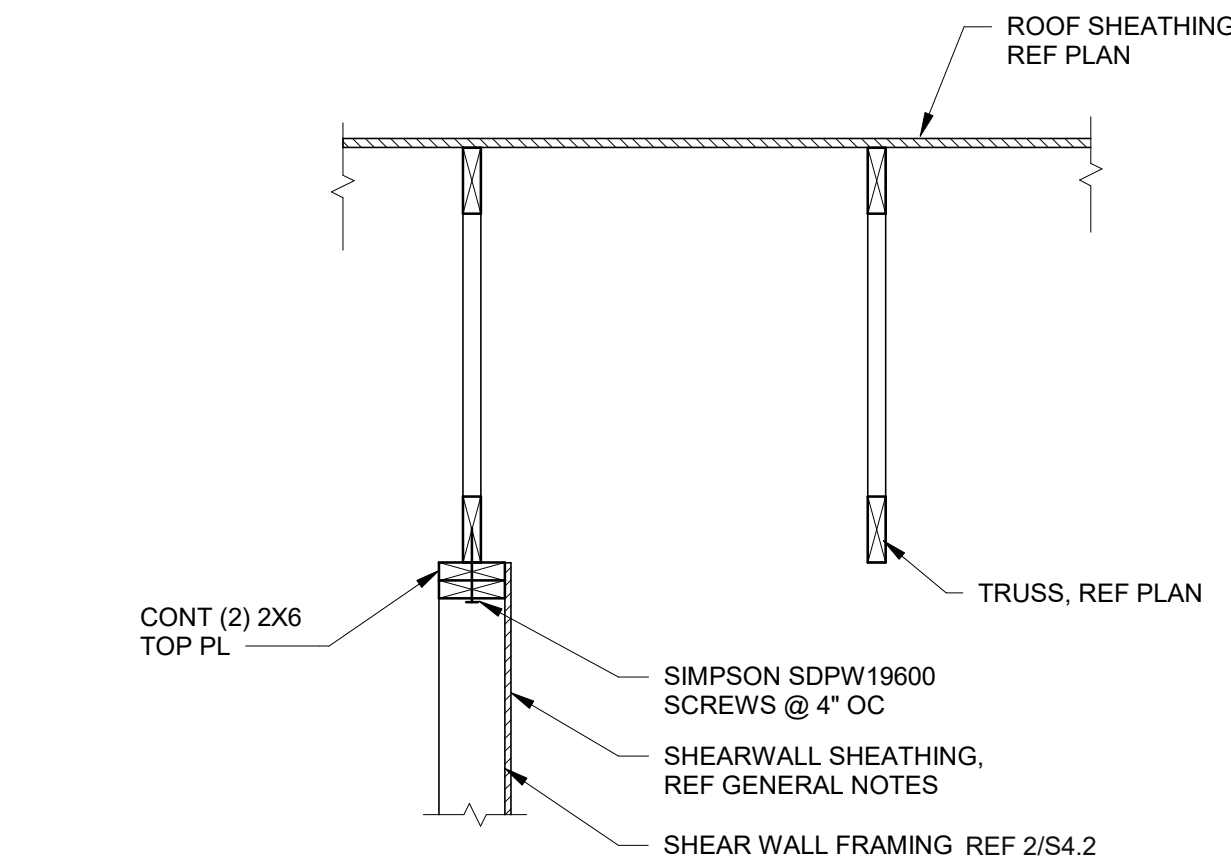
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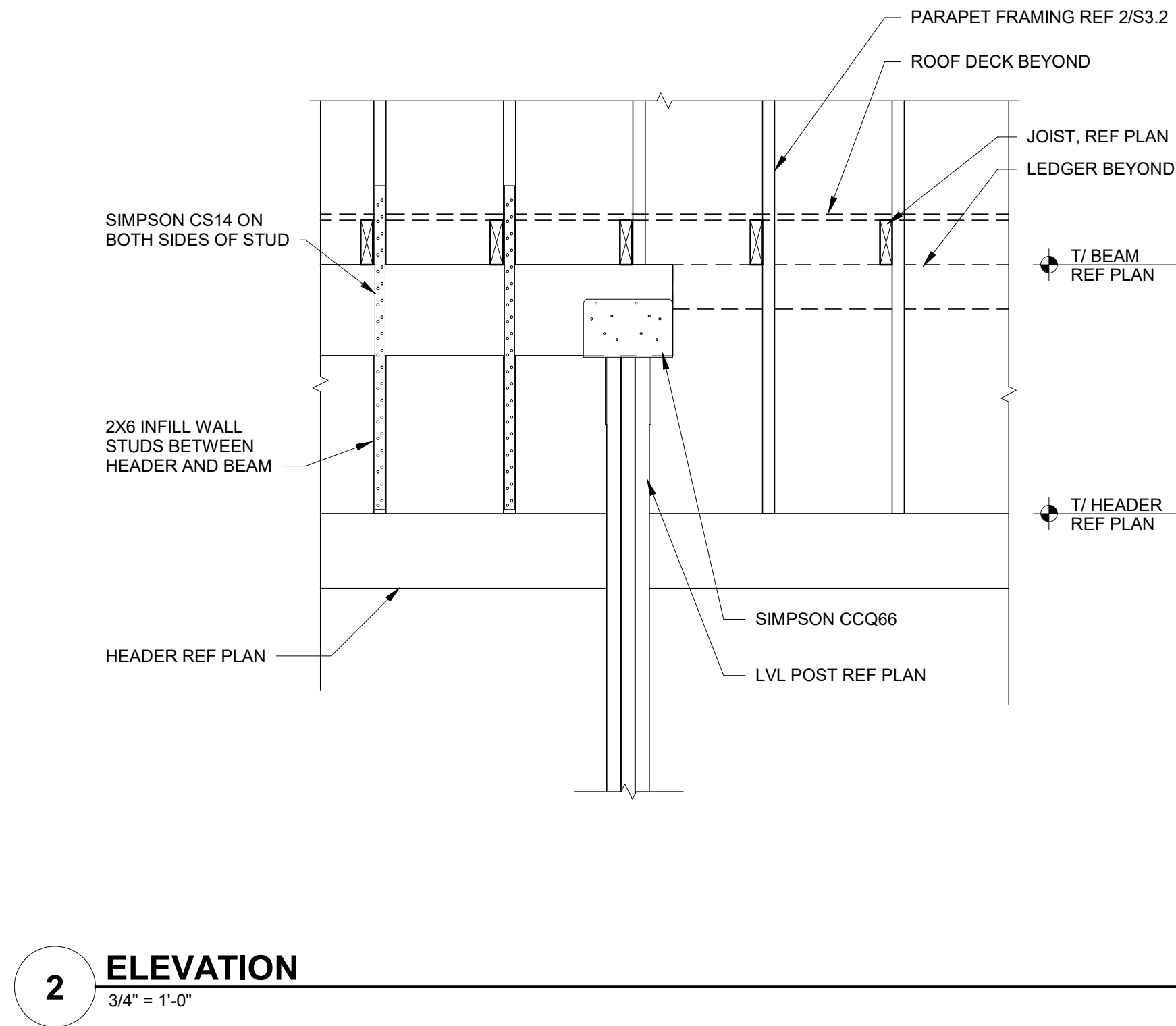
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3/4" = 1'-0"



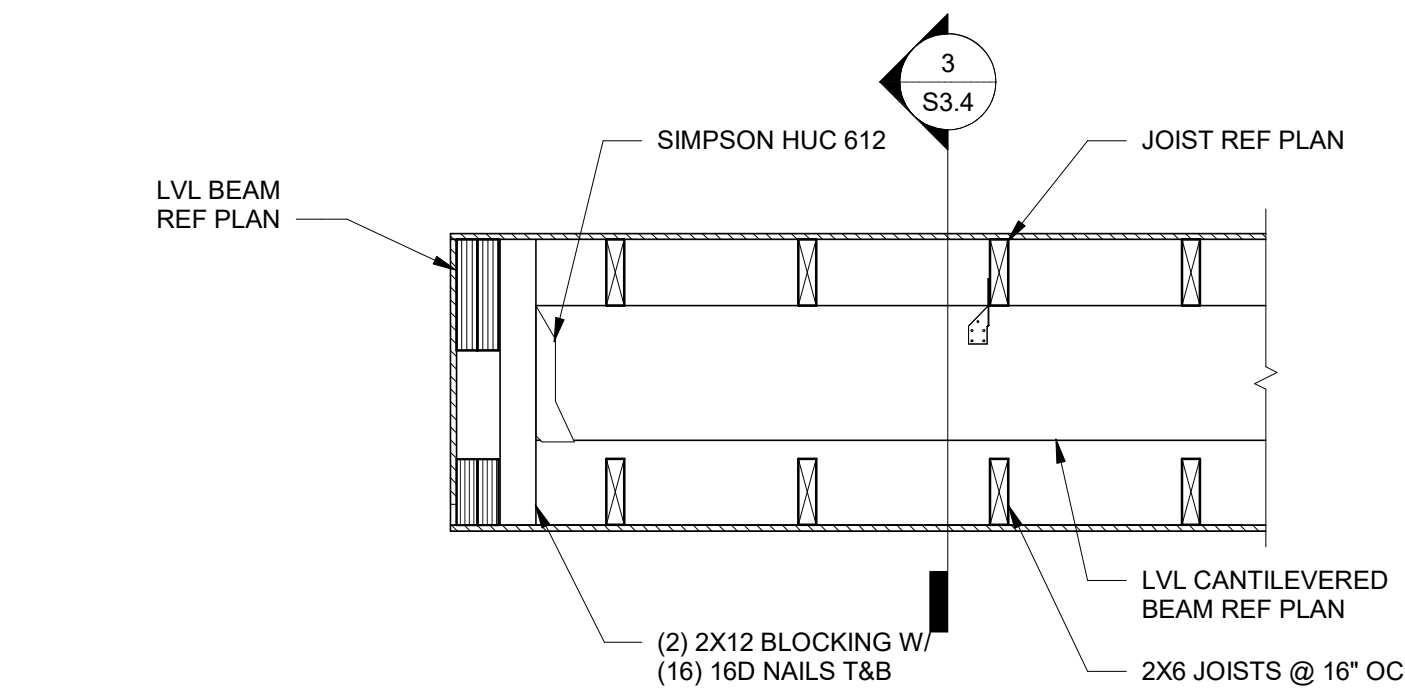
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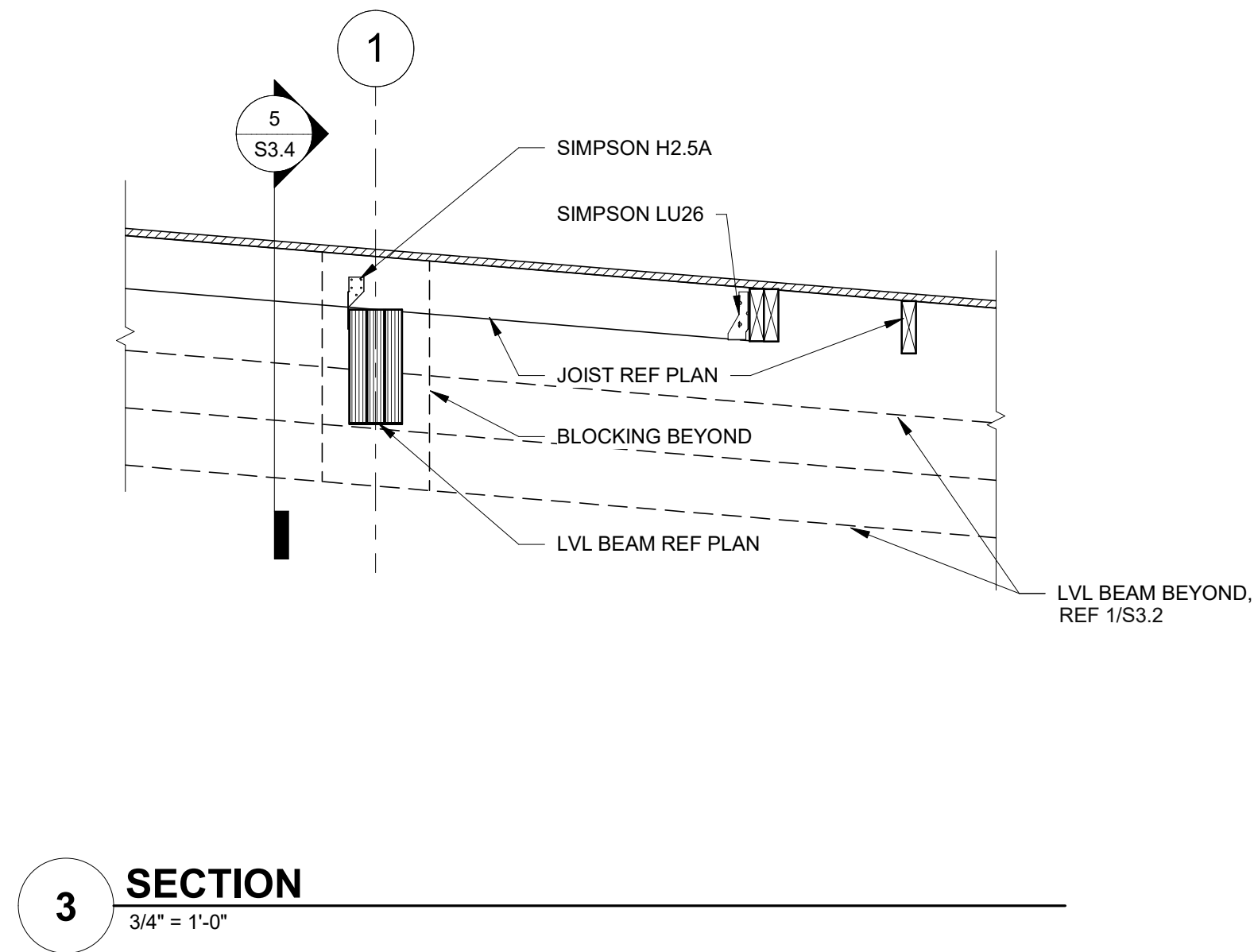
4 SECTION
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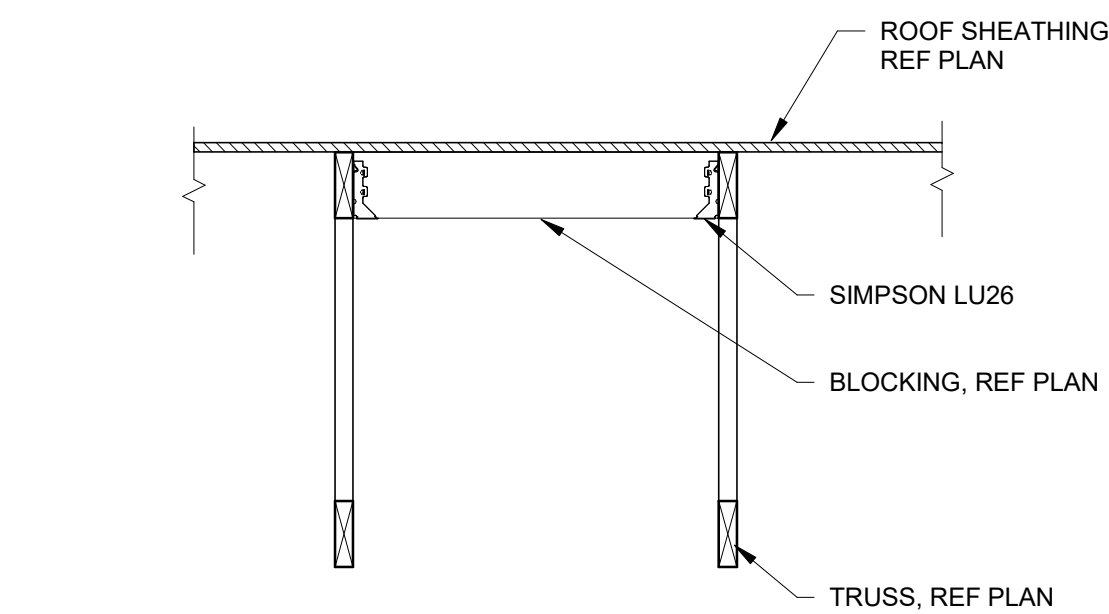
2 ELEVATION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

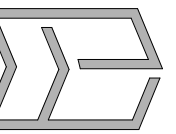


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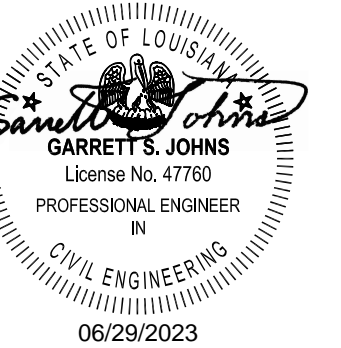


6 SECTION
3/4" = 1'-0"

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PROJECT: **HIGHWAY 55**
3.2 SHELL PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: **SECTIONS**

Revisions

THRU ADDENDUM "D"
11/21/2022

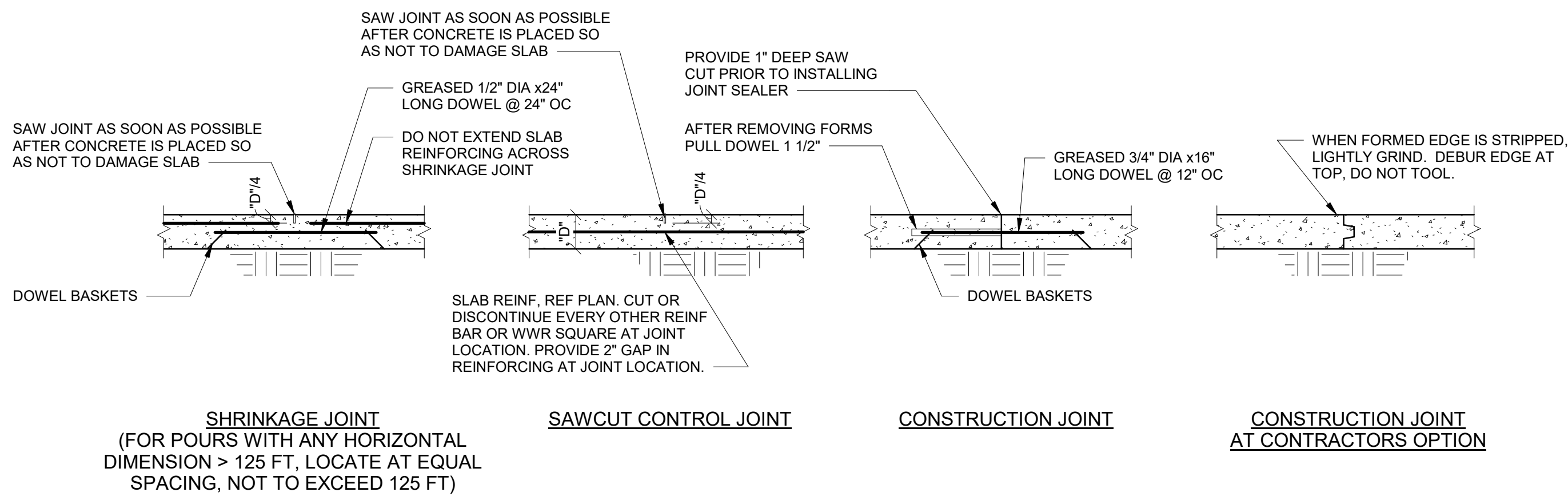
PROJECT DATE
06/28/2023

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Author

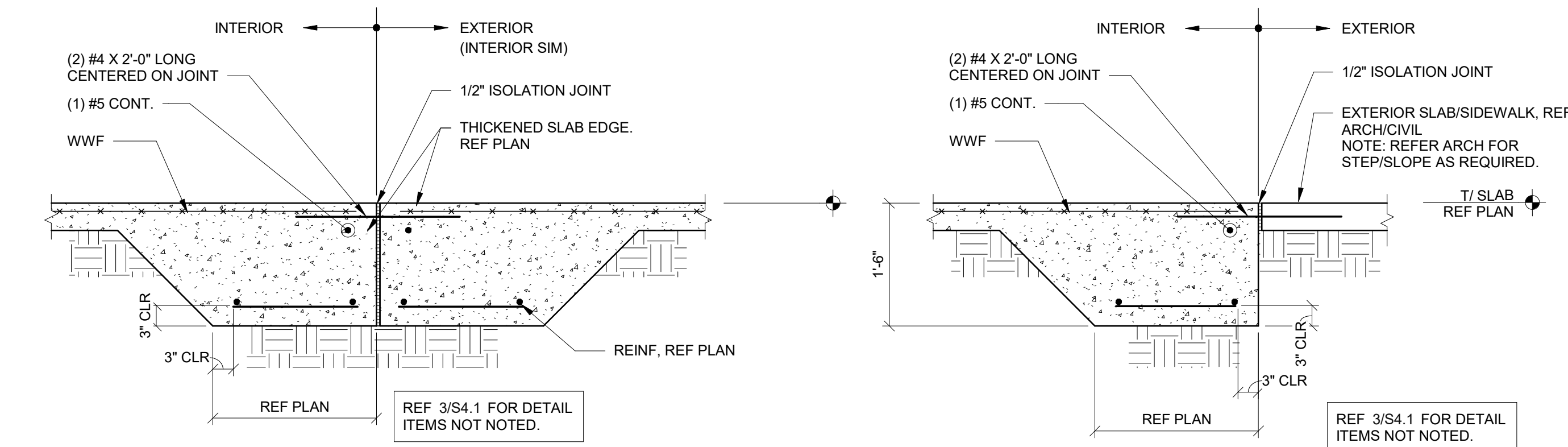
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Checker

Sheet No.

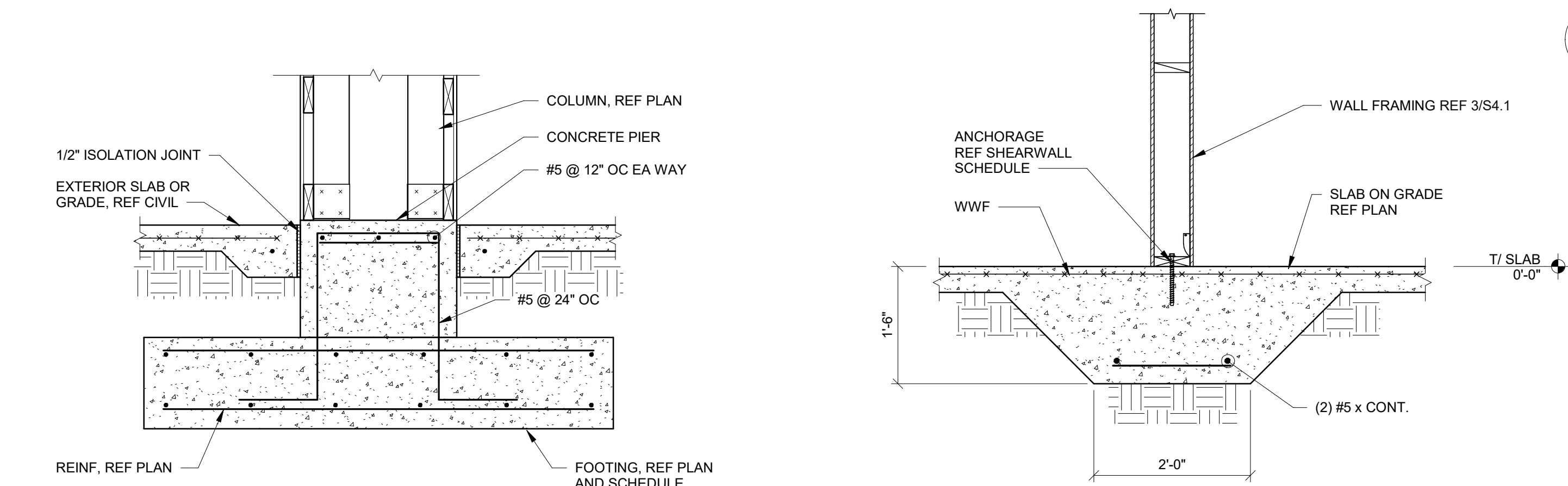
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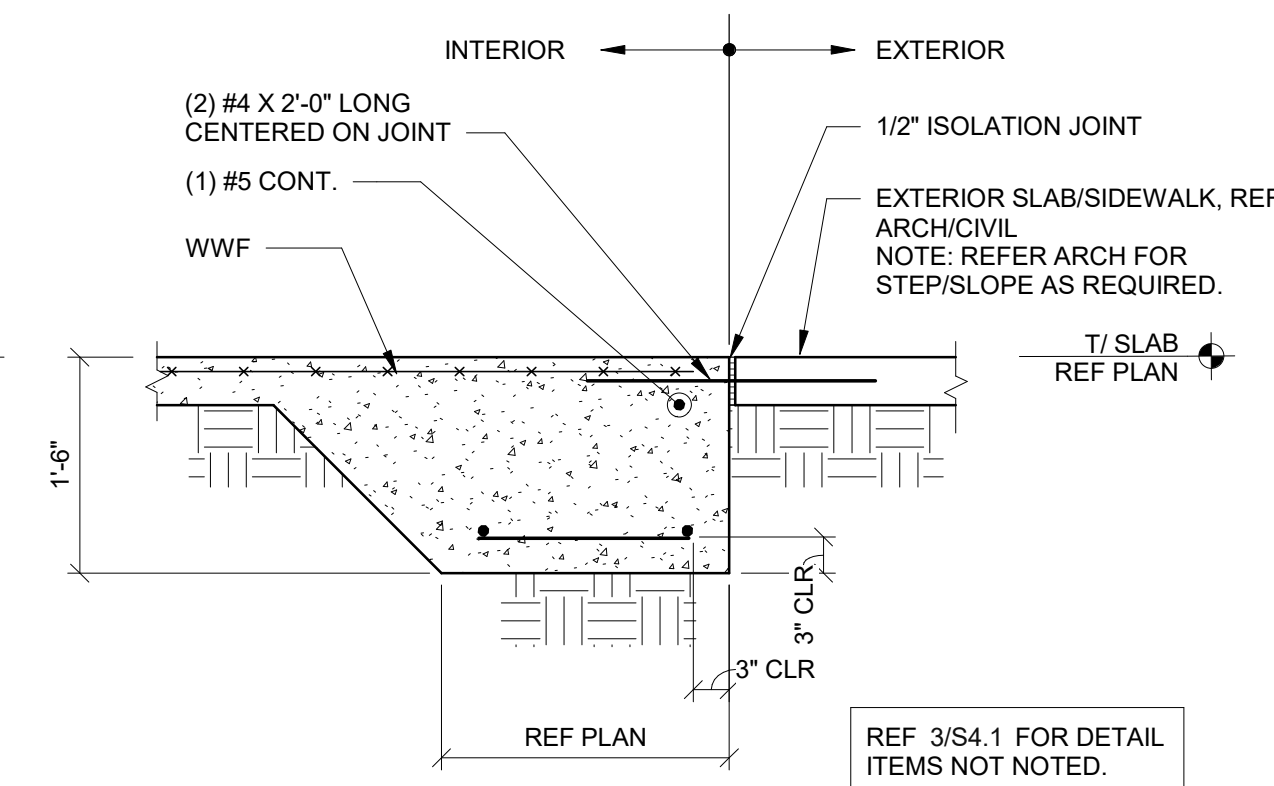
1 CONTROL/ CONSTRUCTION JOINT DETAIL
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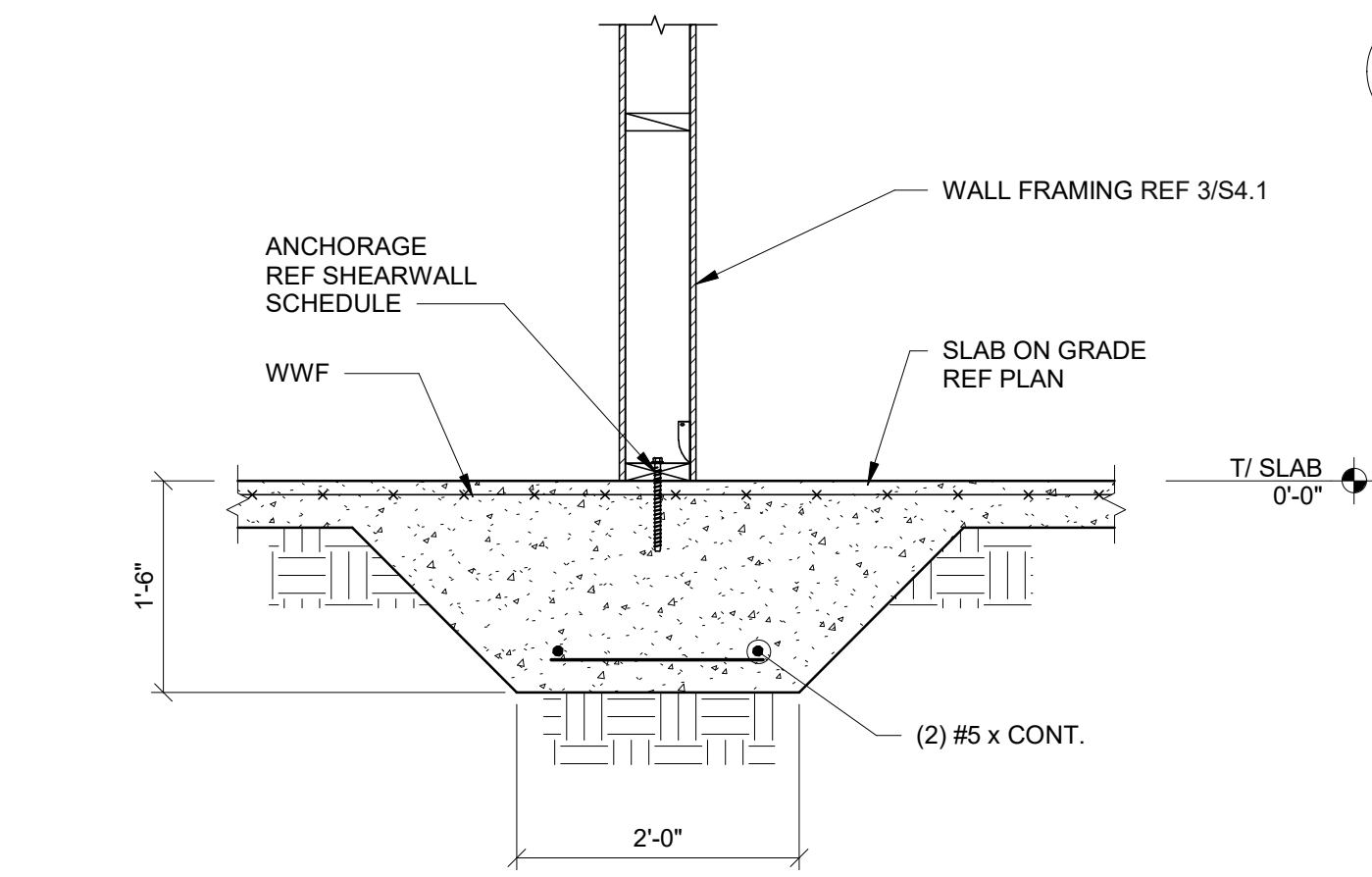
4 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"

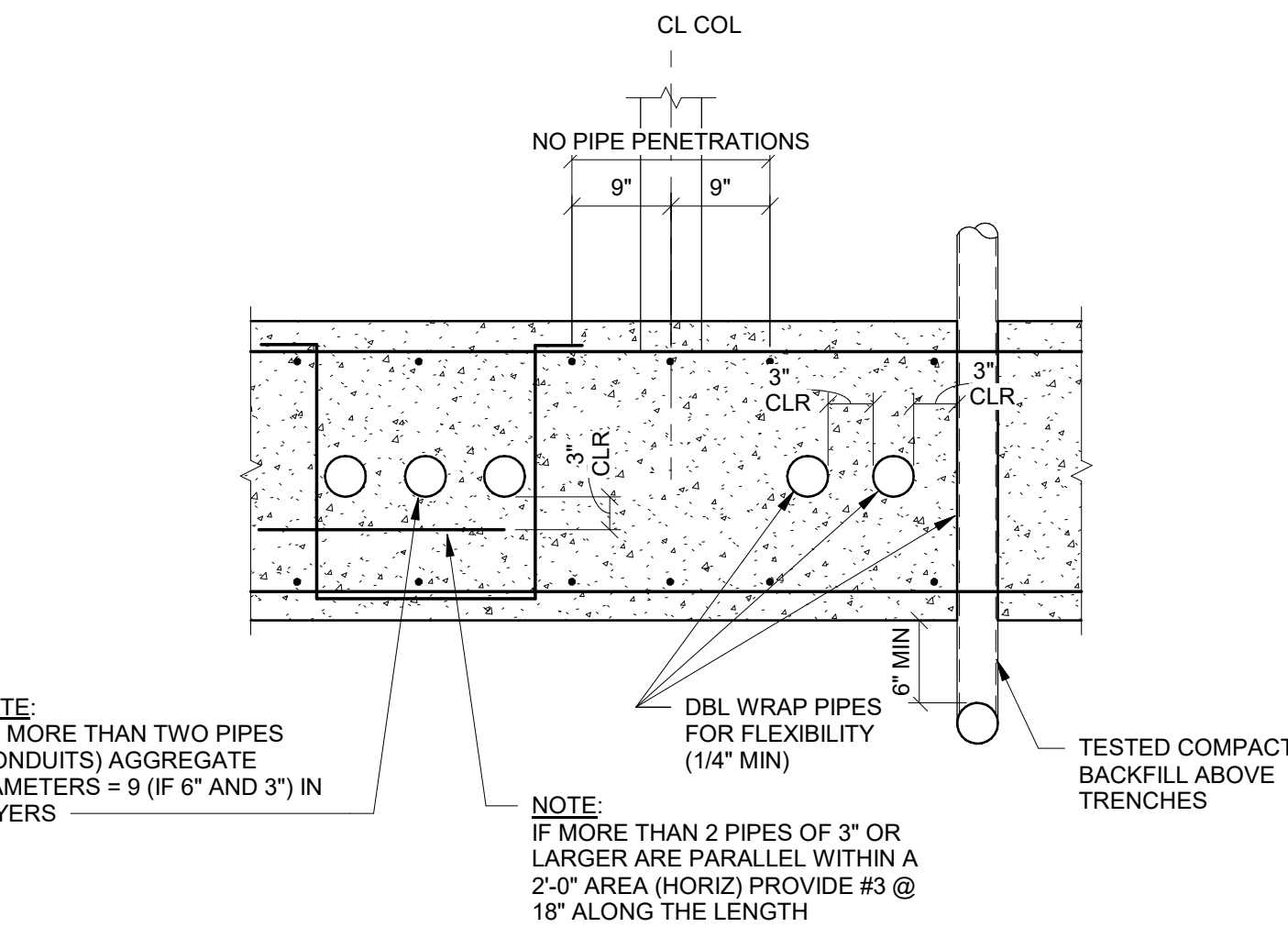


5 SECTION
3/4" = 1'-0"

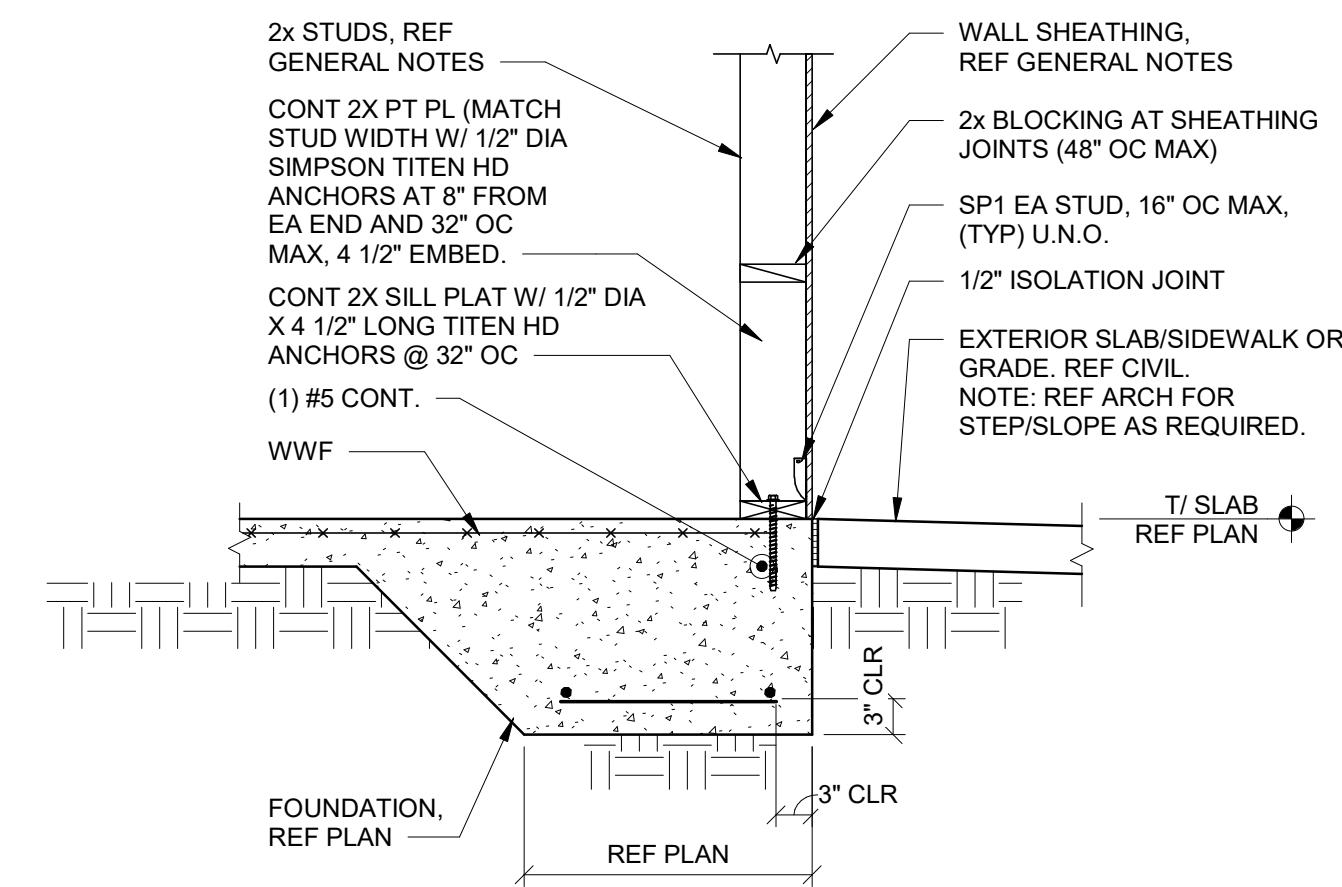


9 SECTION
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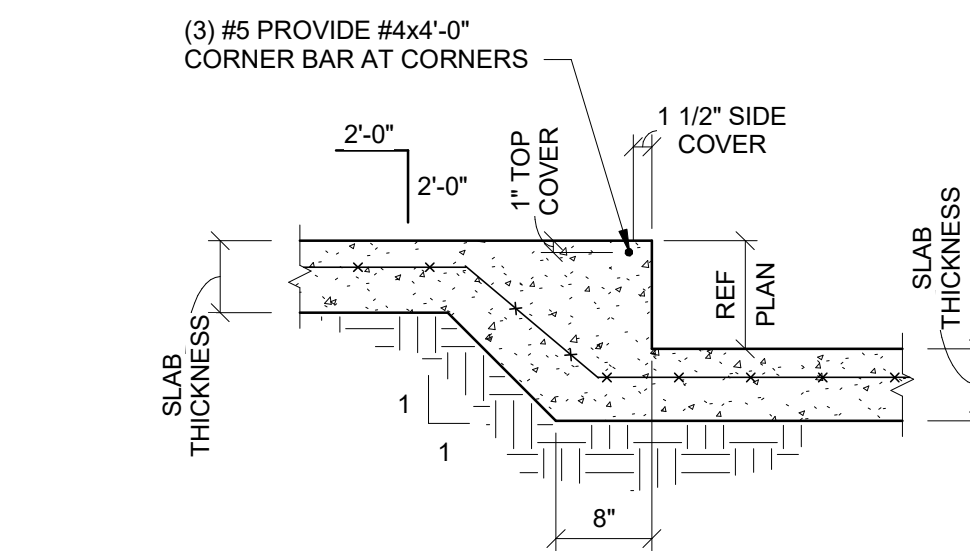
2 TYPICAL FOOTING CORNER REINFORCING DETAIL
3/4" = 1'-0"



6 TYPICAL PENETRATION THRU FOOTING
3/4" = 1'-0"



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



7 RECESSED SLAB SECTION
3/4" = 1'-0"

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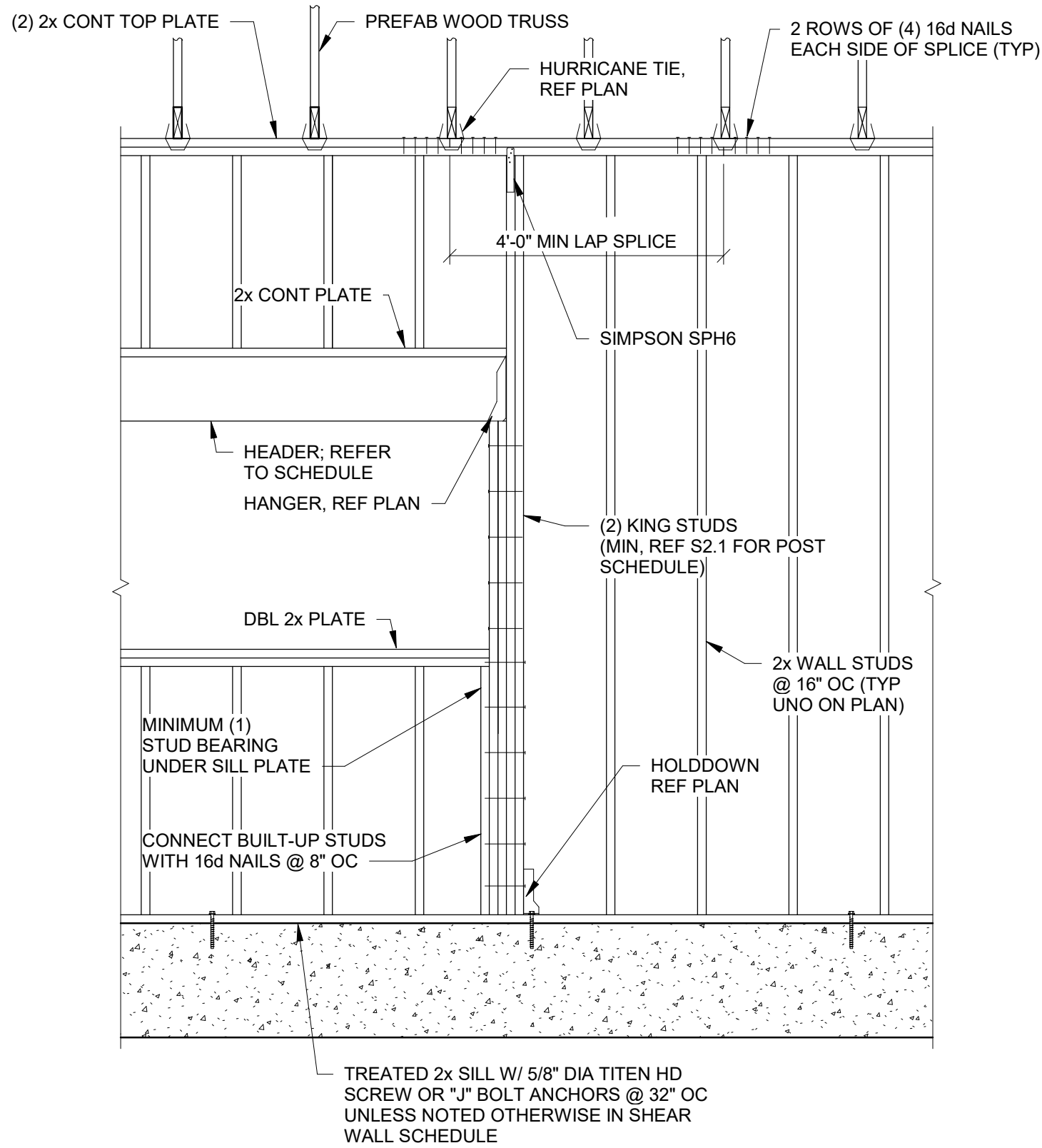
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Garrett S. Johns
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PROFESSIONAL ENGINEER
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06/29/2023

PROJECT: **HIGHWAY 55**
3.2 SHELL PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: TYPICAL DETAILS

Revisions
THRU ADDENDUM "D"
11/21/2022

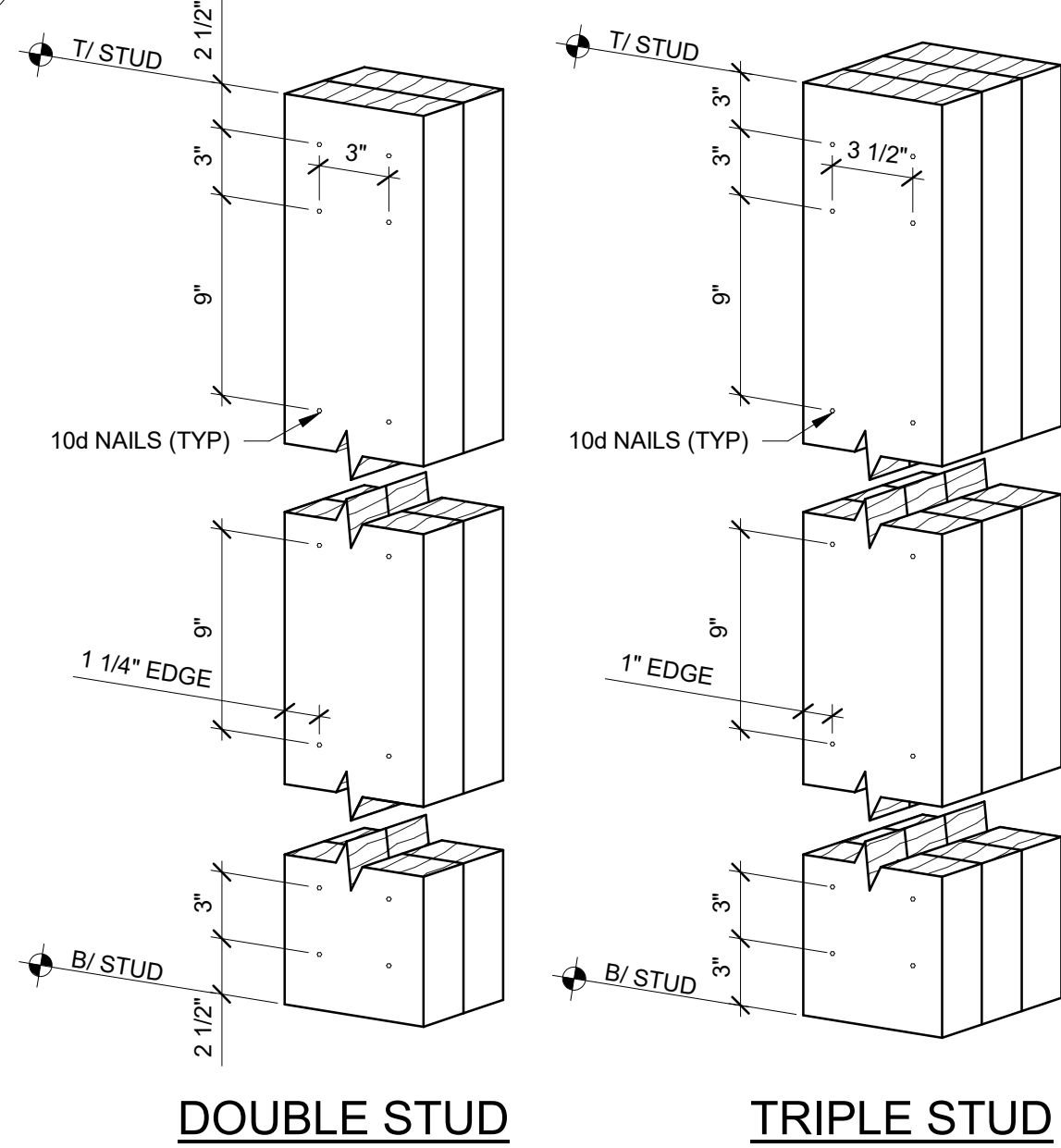
PROJECT DATE
06/28/2023
Drawn by
ES
Checked by
SDH
Sheet No.

S4.1



1 TYPICAL BEARING WALL ELEVATION

1/2" = 1'-0"

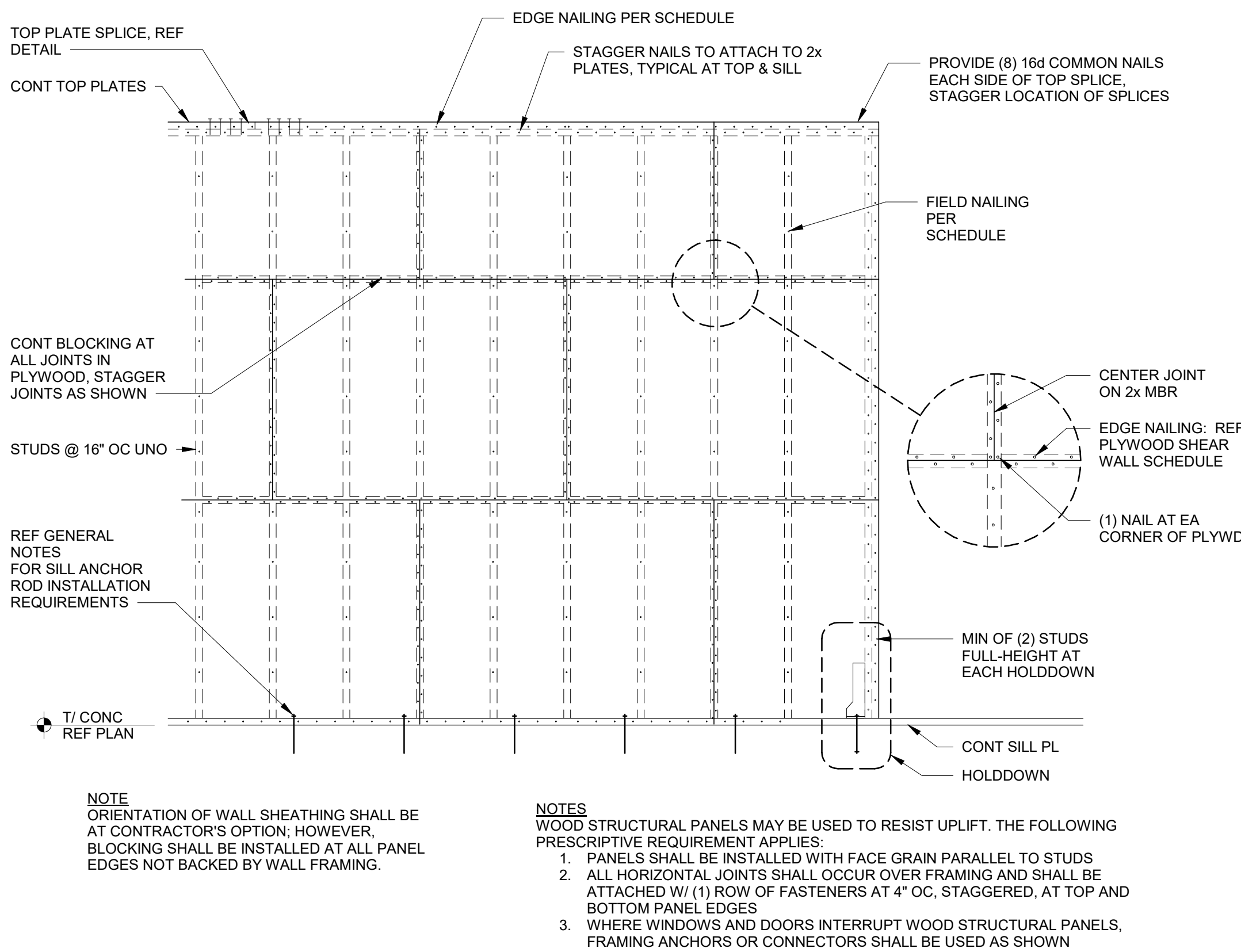


DOUBLE STUD

TRIPLE STUD

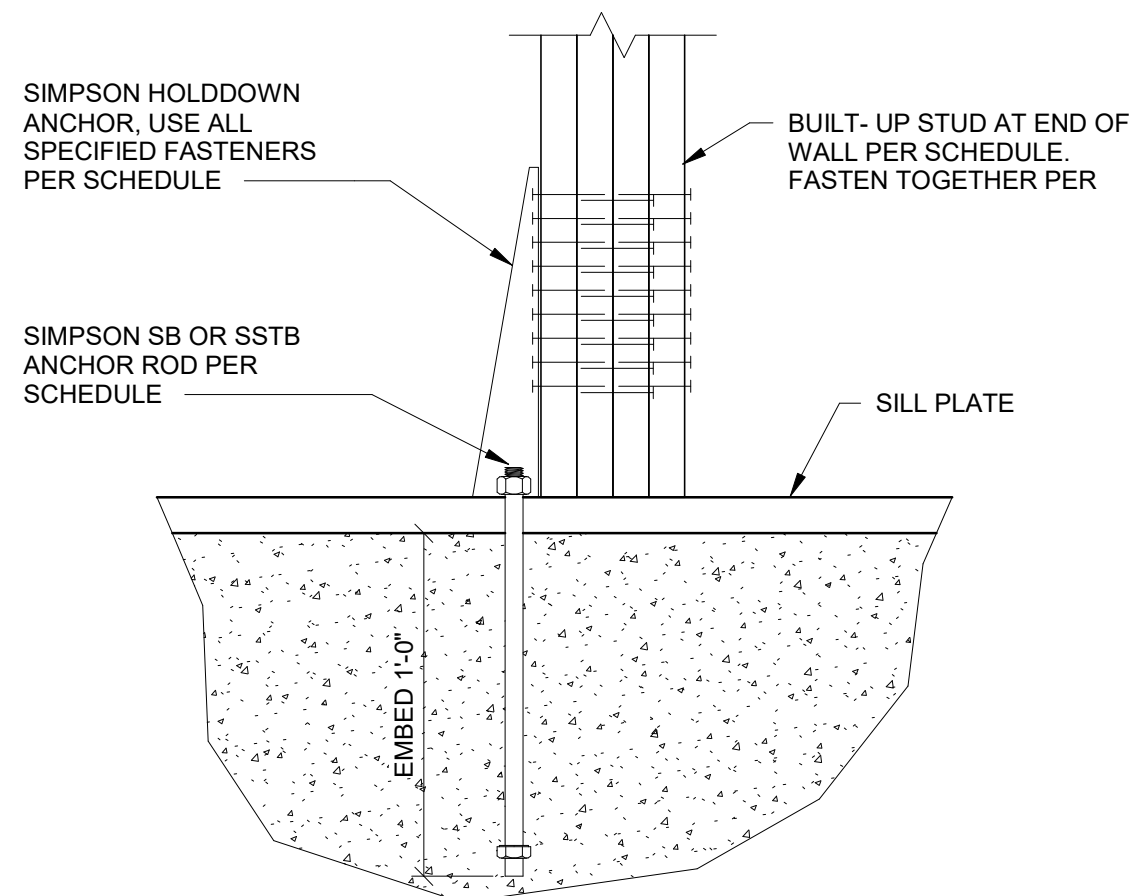
5 SECTION

1 1/2" = 1'-0"



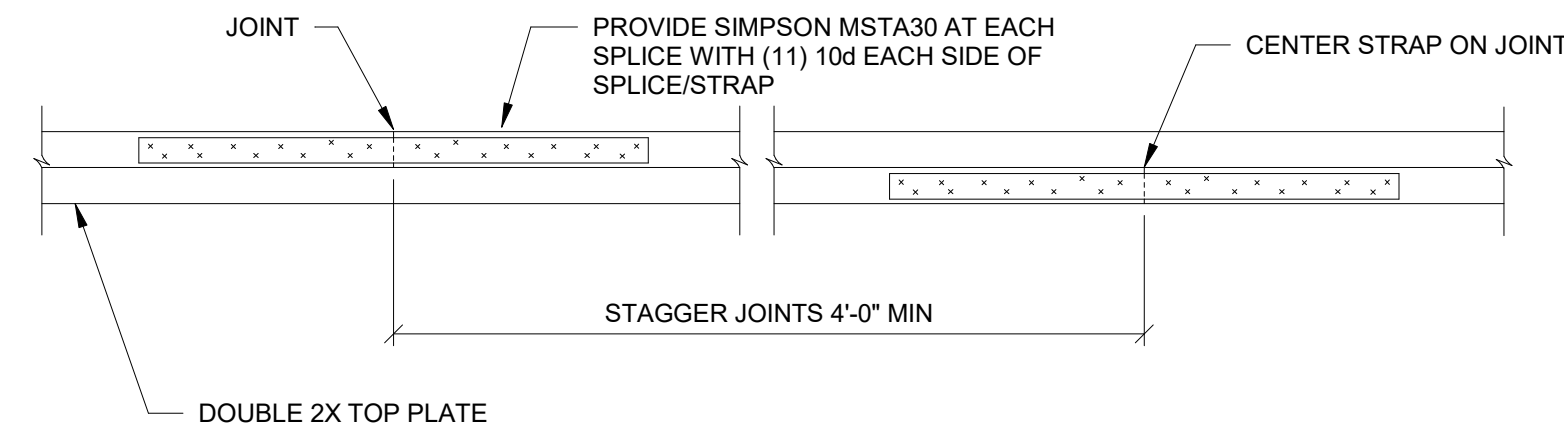
2 TYPICAL SHEAR WALL SHEATHING ATTACHMENT

3/4" = 1'-0"



6 WALL HOLDDOWN DETAIL

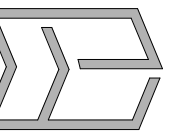
1 1/2" = 1'-0"



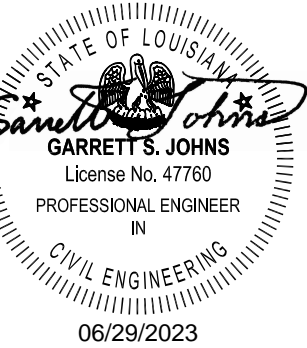
4 DOUBLE PLATE SPLICE

3/4" = 1'-0"

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PROJECT: HIGHWAY 55

3.2 SHELL PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: TYPICAL DETAILS

Revisions

THRU ADDENDUM "D"
11/21/2022

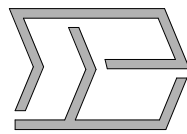
PROJECT DATE
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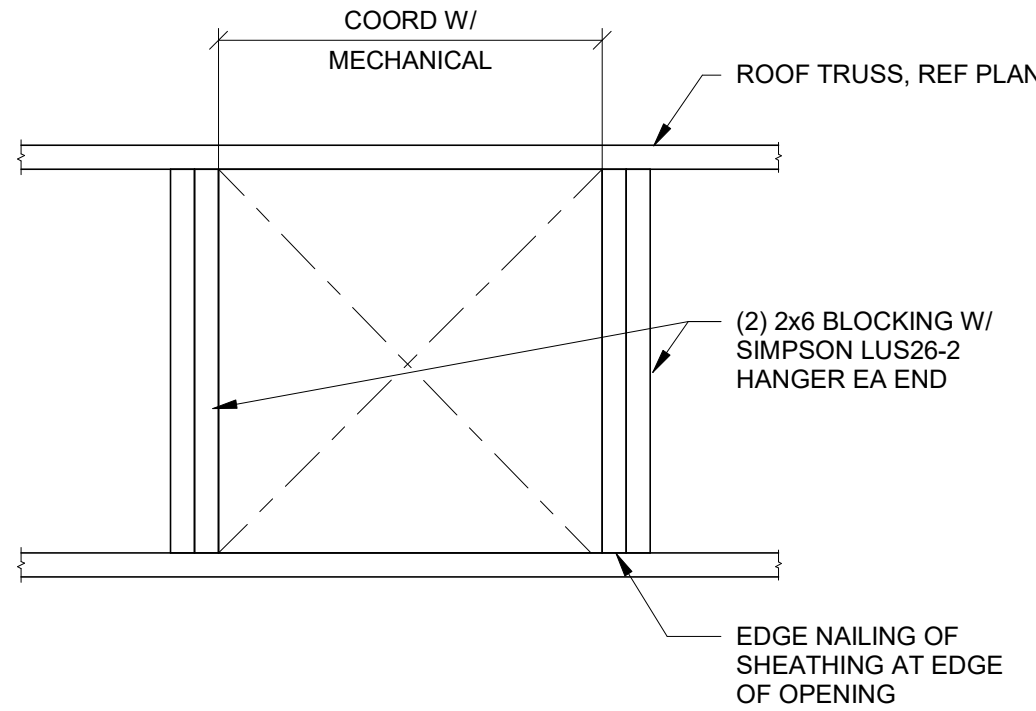
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SDH

Sheet No.

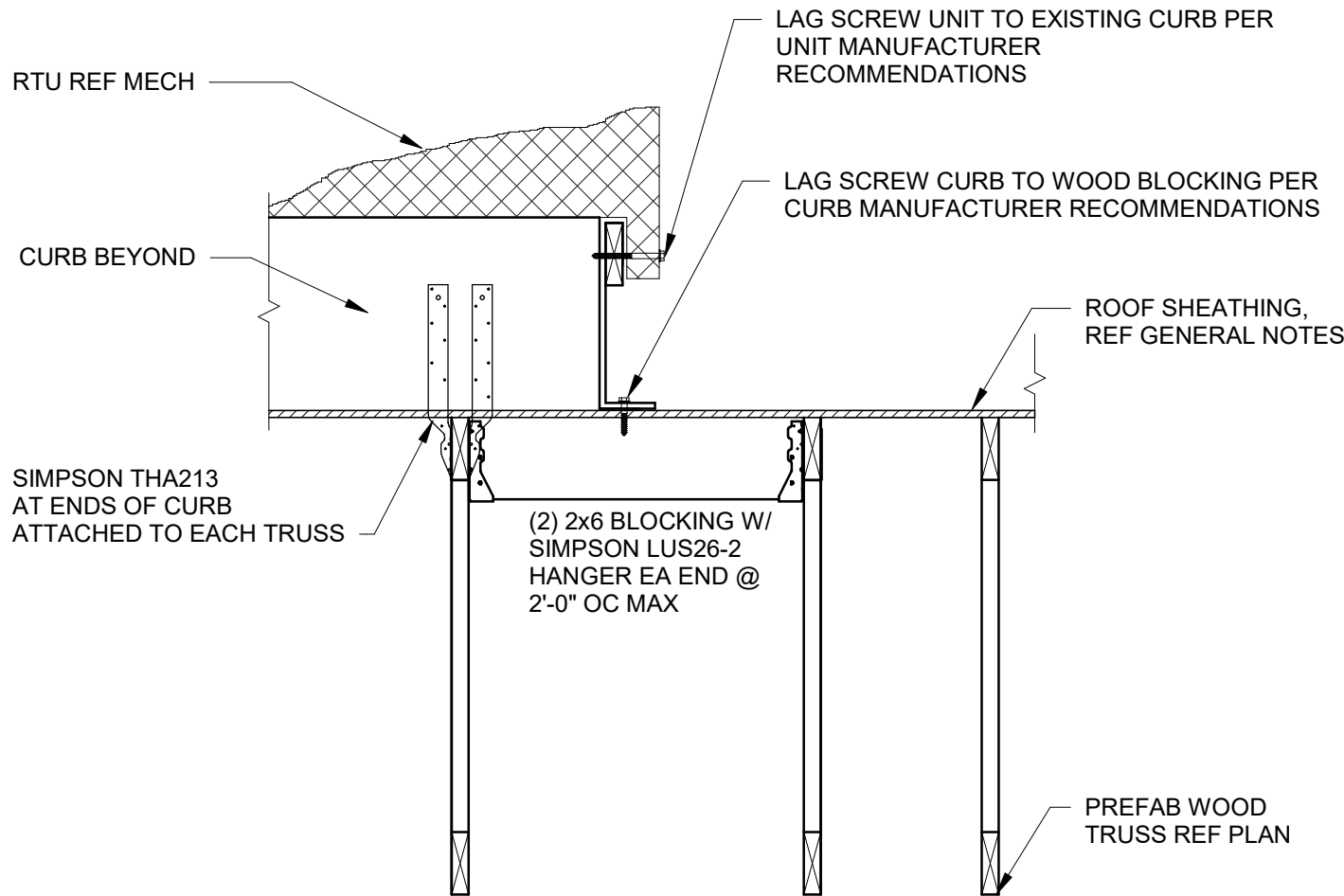
S4.2



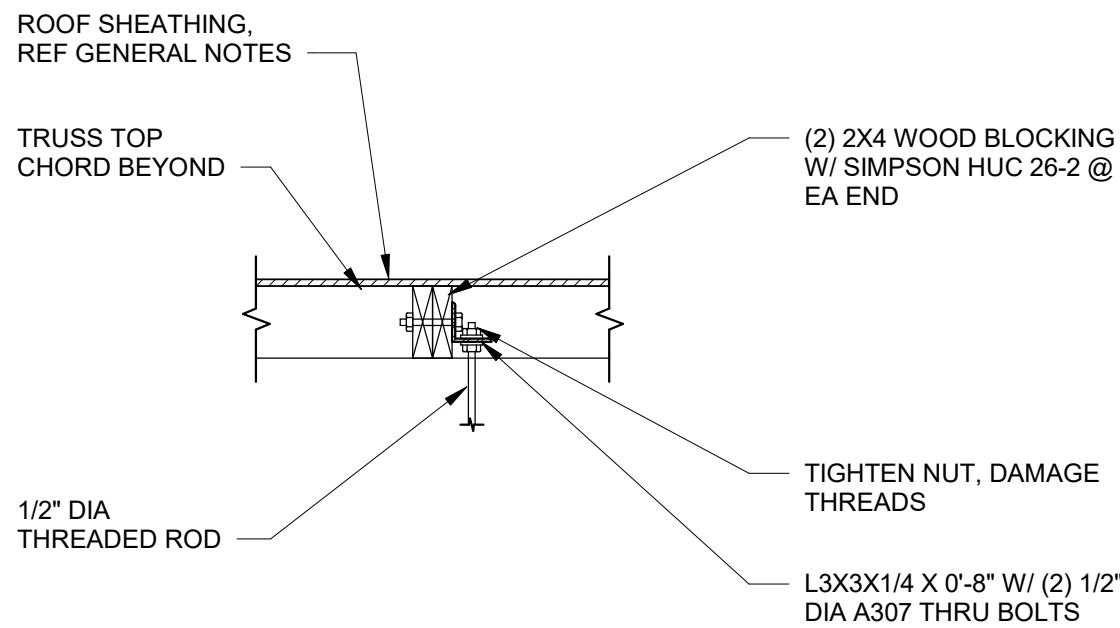
Revisions	
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PROJECT DATE	06/28/2023
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Sheet No.	S4.3



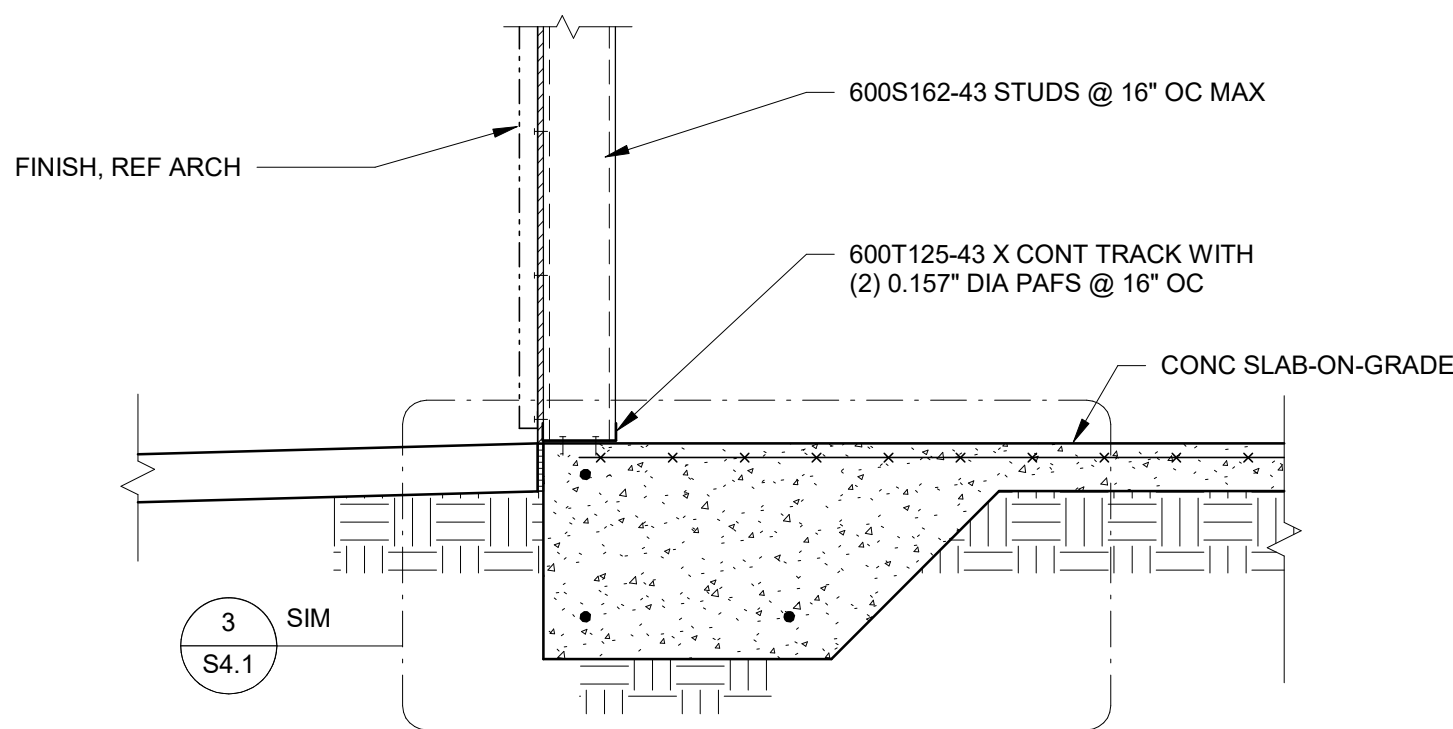
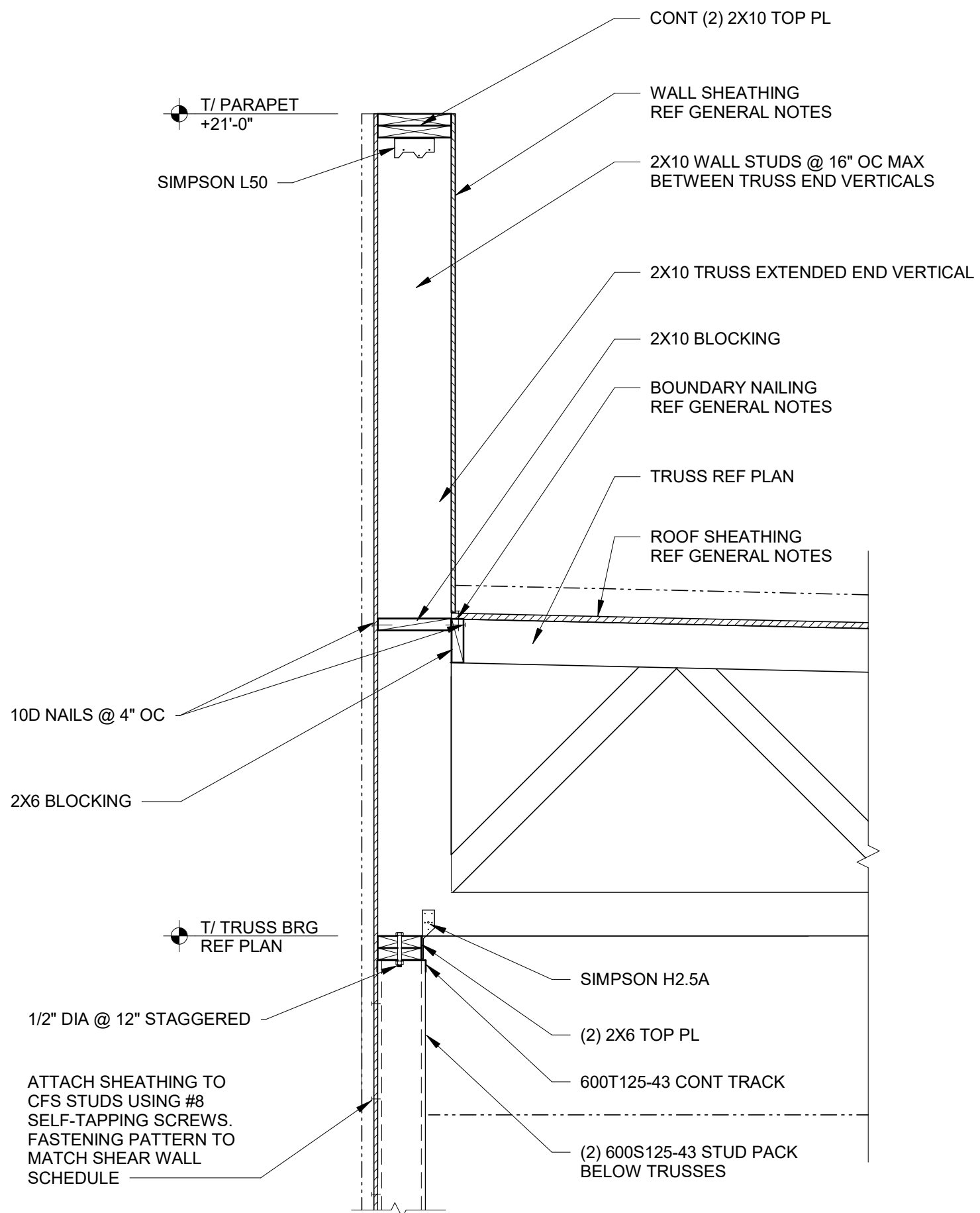
1 EF SUPPORT AND ROOF OPENING DETAIL
1" = 1'-0"



2 TYPICAL MECHANICAL CURB
3/4" = 1'-0"

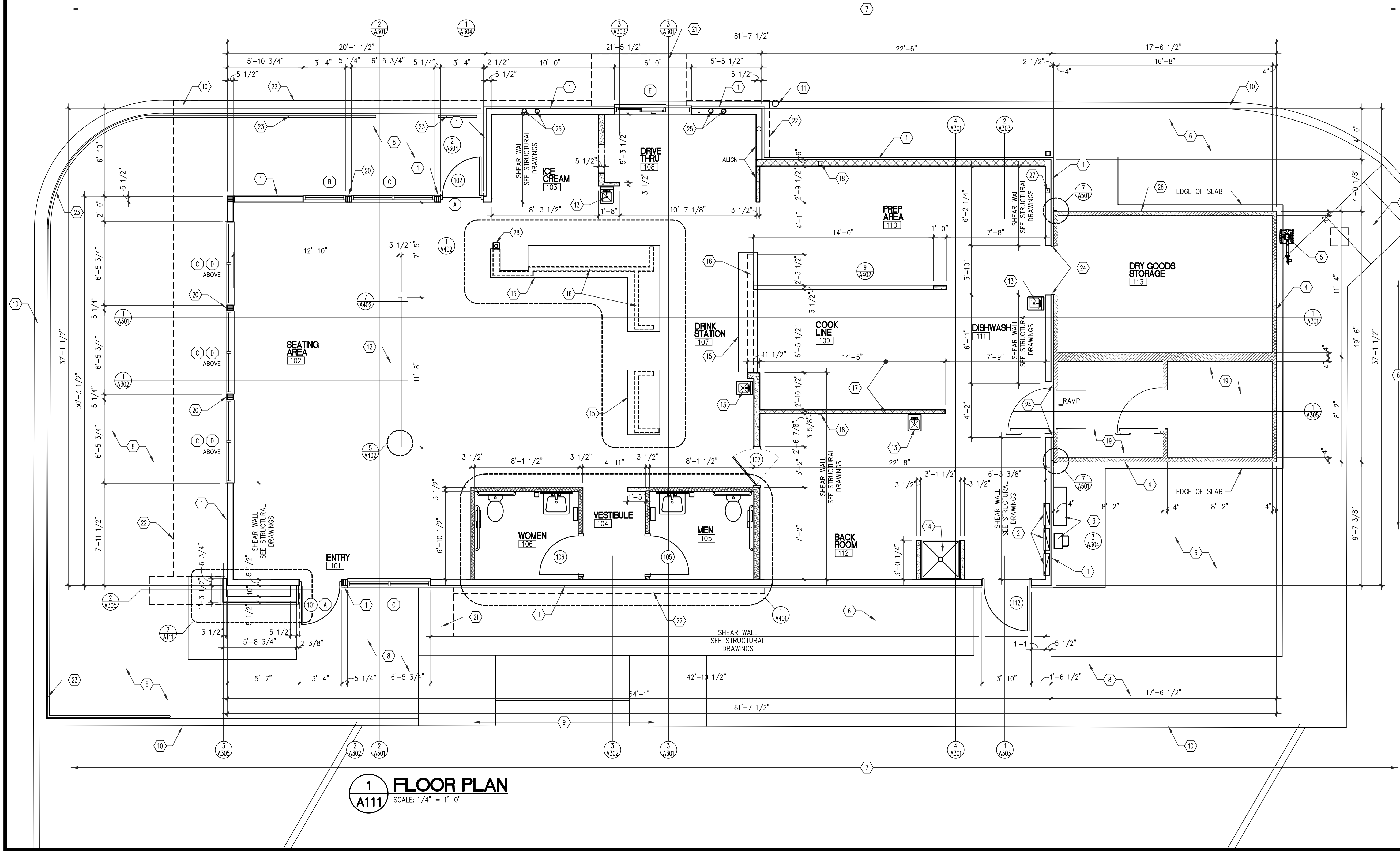


3 HOOD SUPPORT DETAIL
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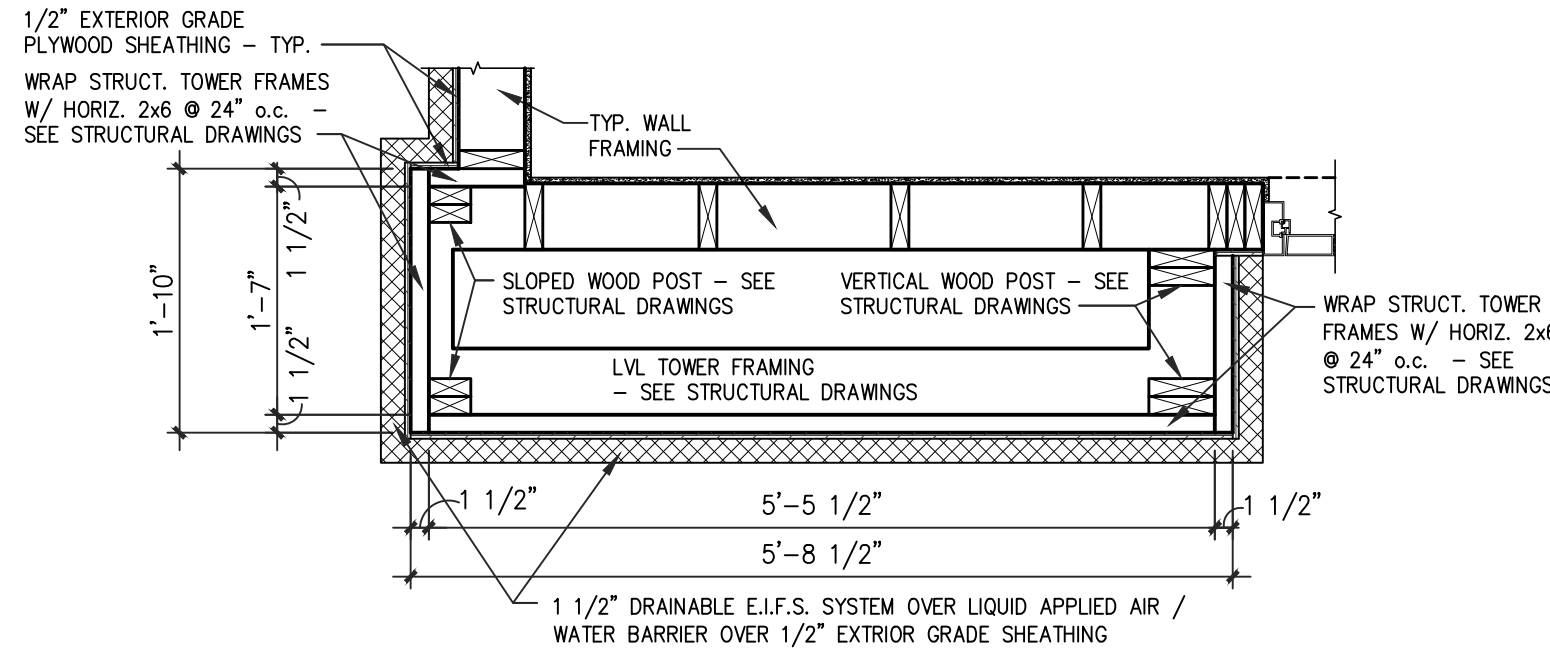


4 SECTION
3/4" = 1'-0"

Drawing File: Z:\2023\23047-HWY55 Hammond LA CAD\A111.dwg
Plotted by: chudson
Plotted Date: Jul 06, 2023 - 3:27pm



1 FLOOR PLAN
A111 SCALE: 1/4" = 1'-0"



2 FRAMED OUT SIGNAGE
A111 SCALE: 3/4" = 1'-0"

GENERAL NOTES

- G.C. TO NOTIFY ARCHITECT IN WRITING WITH ANY DISCREPANCIES UPON DISCOVERY PRIOR TO COMMENCING WITH ANY WORK.
- GENERAL CONTRACTOR TO VERIFY AND COORDINATE ALL PLUMBING AND ELECTRICAL ROUGH-INS REQUIREMENTS AND LOCATIONS WITH EQUIPMENT SUPPLIER.
- SEE PLUMBING AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- ALL INTERIOR DOORS TO HAVE A 4" JAMB AT HINGE SIDE OF DOOR U.N.O.
- SEE 0111 & 0600 FOR FOOD SERVICE EQUIPMENT SHEETS.
- SEE SHEET ID111 FOR FINISH SCHEDULES AND MATERIALS.
- ALL GYPSUM WALL BOARD TO RECEIVE SLICK LEVEL (5) FINISH.
- SEE SHEET A601 FOR DOOR SCHEDULE, AND SHEET A602 FOR WINDOW SCHEDULE.
- EQUIPMENT SUPPLIER TO PLACE ALL NEW EQUIPMENT.
- P.C./E.C. SHALL VERIFY AND COORDINATE WITH ANY CLEARANCE REQUIREMENTS FOR WATER METER AND ELECTRICAL TRANSFORMER.
- PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE T.V. AND TELEPHONE. COORDINATE WITH OWNER.
- G.C. TO MAKE ALL MECHANICAL, PLUMBING AND ELECTRICAL CONNECTIONS FOR ALL EQUIPMENT AS INDICATED ON EQUIPMENT PLAN. COORDINATE WITH EQUIPMENT SUPPLIER.
- G.C. TO VERIFY CLEARANCES FOR INSTALLATION OF EQUIPMENT.
- TENANT WILL BE REQUIRED TO COORDINATE I.T., POWER, SECURITY AND P.O.S. TO OFFICE.
- FIRE EXTINGUISHERS SHOWN IN ASSUMED LOCATIONS. CONFIRM NUMBER, TYPE AND LOCATION WITH LOCAL FIRE MARSHALL.
- EXTERIOR STUD WALLS ARE DIMENSIONED TO THE EDGE OF EXTERIOR FRAMING.

WALL TYPE LEGEND

- 2x6 WOOD STUD EXTERIOR WALL - REFER TO EXTERIOR ELEVATIONS, WALL SECTIONS AND STRUCTURAL DRAWINGS.
- NON COMBUSTIBLE WALL - 6" 18 GAUGE METAL STUDS @ 16" O.C.
- INTERIOR WOOD FRAMING @ 16" O.C. 2x4 OR 2x6, SEE PLAN FOR SIZE
- SOUND ATTENUATION

DIMENSION NOTES:

- 3'-0" TO FACE OF STUD
- 3'-0" MINIMUM DIMENSION ALLOWED (MAY BE MORE)
- 3'-0" MAXIMUM DIMENSION ALLOWED (MAY BE LESS)
- 3'-0" EXACT DISTANCE BETWEEN FINAL FINISHED SURFACES (ALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS OTHERWISE NOTED)
- 3'-0" TARGET DIMENSION WHICH MAY NOT BE ACHIEVED IN FIELD - BE AWARE OF POSSIBLE CHANGE
- ALIGN ALIGN THESE FINISH SURFACES

CONSTRUCTION NOTES

- DRAINABLE E.I.F.S. SYSTEM OR OVER LIQUID APPLIED AIR AND MOISTURE BARRIER OVER 1/2" EXTERIOR GRADE PLYWOOD SHEATHING (VERIFY W/ STRUCTURAL). INSTALL IN ACCORDANCE WITH MFR'S RECOMMENDATIONS. SEE WALL SECTIONS FOR THICKNESS - 1 1/2" U.N.O.
- ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS.
- ELECTRICAL METER - SEE ELECTRICAL / CIVIL DRAWINGS.
- PREMANUFACTURED ENCLOSURE BOX FOR DRY GOODS AREA.
- GAS METER - SEE PLUMBING DRAWINGS.
- LANDSCAPE AREA - SEE CIVIL DRAWINGS.
- CONCRETE DRIVEWAY - SEE CIVIL DRAWINGS CONCRETE.
- SIDEWALK - SEE SITE PLAN. SLOPE AWAY FROM BUILDING - TYPICAL.
- CONCRETE RAMP - SEE SITE PLAN.
- CONCRETE CURB - SEE CIVIL DRAWINGS.
- PIPE BOLLARD - SEE CIVIL DRAWINGS.
- LOW WALL - SEE DETAIL 5/A402.
- HAND SINK - SEE PLUMBING DRAWINGS.
- CAN WASH - SEE PLUMBING DRAWINGS.
- BARTOP COUNTER - SEE DETAIL 2/A402.
- FRAMED KNEE WALL AT COUNTER BY G.C. - REFER TO SHEET A402.
- NON COMBUSTIBLE WALL - 3 5/8" 20 GAUGE METAL STUD FRAMED WALL.
- FRYER OIL RECOVERY CHASE BY G.C. - SEE DETAILS 4/A502 AND 8/A502.
- WALK IN COOLER/FREEZER.
- BREAK METAL TO MATCH STOREFRONT AT WOOD COLUMN LOCATIONS - SEE EXTERIOR ELEVATIONS AND WINDOW DETAILS - 8/A602.
- PRE-FABRICATED HANGER ROD CANOPY SYSTEM ABOVE BY G.C. SEE WALL SECTIONS
- ROOF OVERHANG ABOVE.
- PEDESTRIAN GUARD RAIL - SEE CIVIL DRAWINGS.
- CLOSURE ANGLE.
- INTERNAL ROOF DRAIN - SEE ROOF PLAN AND PLUMBING DRAWINGS.
- PROVIDE BLOCKING IN THIS WALL FOR PREMANUFACTURED ENCLOSURE BOX FOR DRY GOODS AREA.
- FRYER OIL RECOVERY CHASE BY G.C. - SEE DETAIL 8/A502.
- 5 3/4" STAINLESS STEEL SYRUP LINE CHASE - SEE EQUIPMENT PLAN.

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

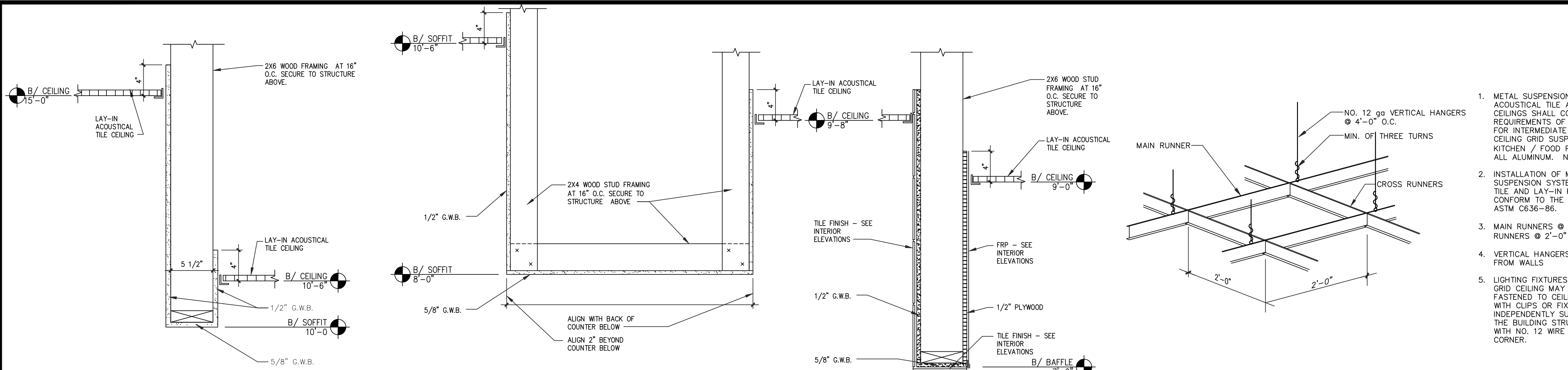
Drawn By
CIH

Checked By
GRL

Sheet No.

A111

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Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:28pm



2 Baffle Detail
A121 SCALE: 1 1/2" = 1'-0"

3 Soffit Detail
A121 SCALE: 1 1/2" = 1'-0"

4 Baffle Detail
A121 SCALE: 1 1/2" = 1'-0"

5 ACOUSTICAL LAY-IN CEILING DETAIL
A121 SCALE: 1/4" = 1'-0"

- METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILING SHALL CONFORM TO THE REQUIREMENTS OF ASTM C635-87 FOR INTERMEDIATE DUTY SYSTEMS. CEILING GRID SUSPENSION SYSTEM IN KITCHEN / FOOD PREP AREAS TO BE ALL ALUMINUM. NO CLAD.
- INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANELS SHALL CONFORM TO THE REQUIREMENT OF ASTM C636-86.
- MAIN RUNNERS @ 2'-0" O.C. CROSS RUNNERS @ 2'-0" O.C.
- VERTICAL HANGERS TO BE MAX. 8" FROM WALLS
- LIGHTING FIXTURES AND DIFFUSERS IN GRID CEILING MAY BE EITHER FASTENED TO CEILING GRID SYSTEM WITH CLIPS OR FIXTURES MAY BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURAL MEMBERS WITH NO. 12 WIRE AT EACH FIXTURE CORNER.

REFLECTED CEILING LEGEND

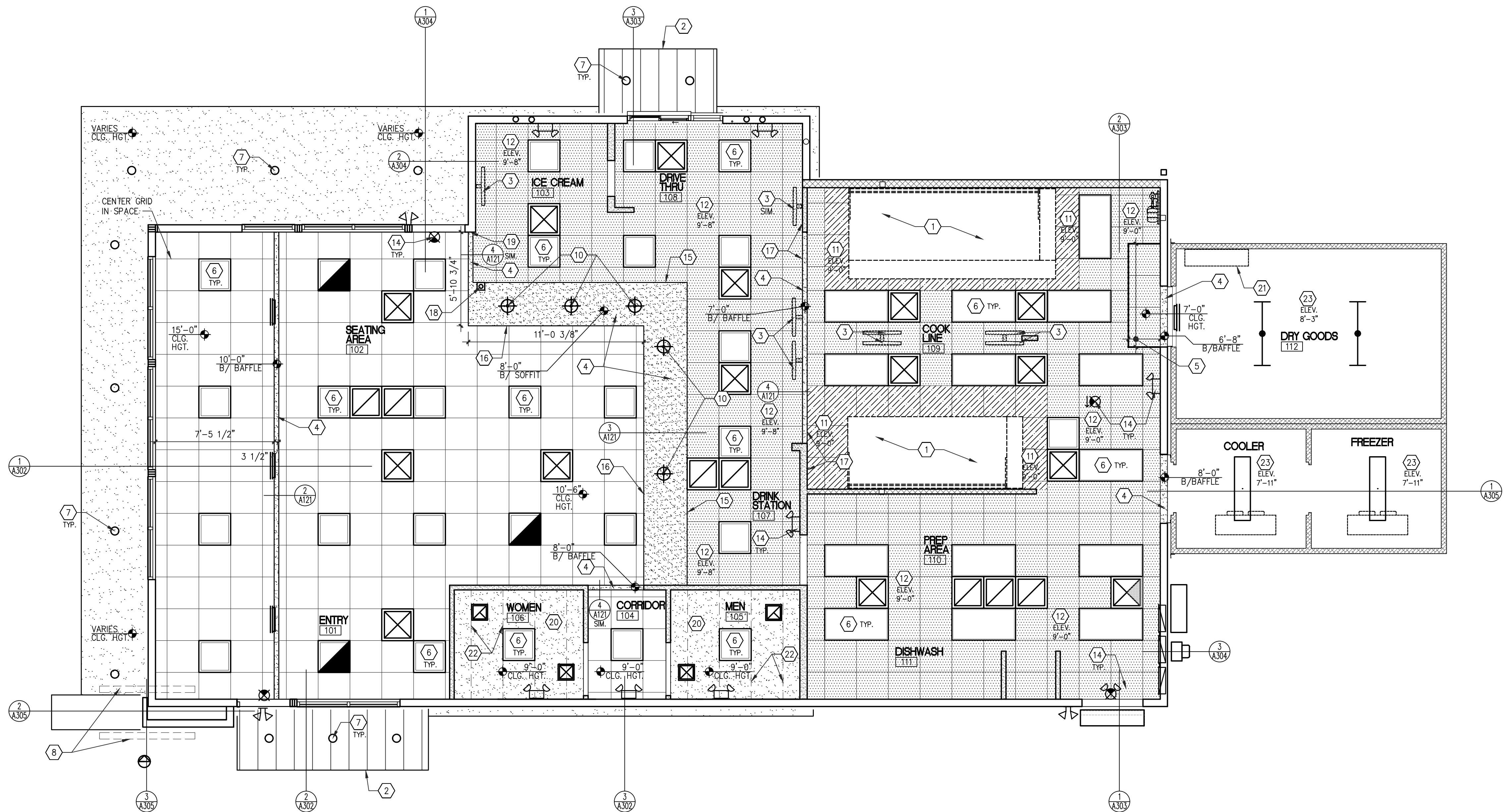
- 5/8" G.W.B CEILING (SMOOTH FINISH).
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' LAY-IN ACOUSTICAL CEILING TILES
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' VINYL COATED LAY-IN ACOUSTICAL CEILING TILES
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' METAL PRE-FINISHED LAY-IN CEILING TILES
- 2' x 2' L.E.D. LIGHT- SEE ELECTRICAL DRAWINGS
- 2' x 2' L.E.D. EMERGENCY LIGHT FIXTURE- SEE ELECTRICAL DRAWINGS
- 2' x 4' L.E.D. LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- WALK IN COOLER LIGHT - SEE ELECTRICAL DRAWINGS
- UTILITY LIGHT - SEE ELECTRICAL DRAWINGS
- PENDANT LIGHT 6'-6" A.F.F. U.O.N. - SEE ELECTRICAL DRAWINGS
- CAN LIGHT - SEE ELECTRICAL DRAWINGS
- EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS
- EXTERIOR EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS
- EXIT EMERGENCY COMBO LIGHT - SEE ELECTRICAL DRAWINGS
- EXIT SIGN - SEE ELECTRICAL DRAWINGS
- MECHANICAL SUPPLY REGISTER - SEE MECHANICAL DRAWINGS
- MECHANICAL SIDE WALL SUPPLY REGISTER - SEE MECHANICAL DRAWINGS
- MECHANICAL RETURN REGISTER - SEE MECHANICAL DRAWINGS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS

GENERAL NOTES

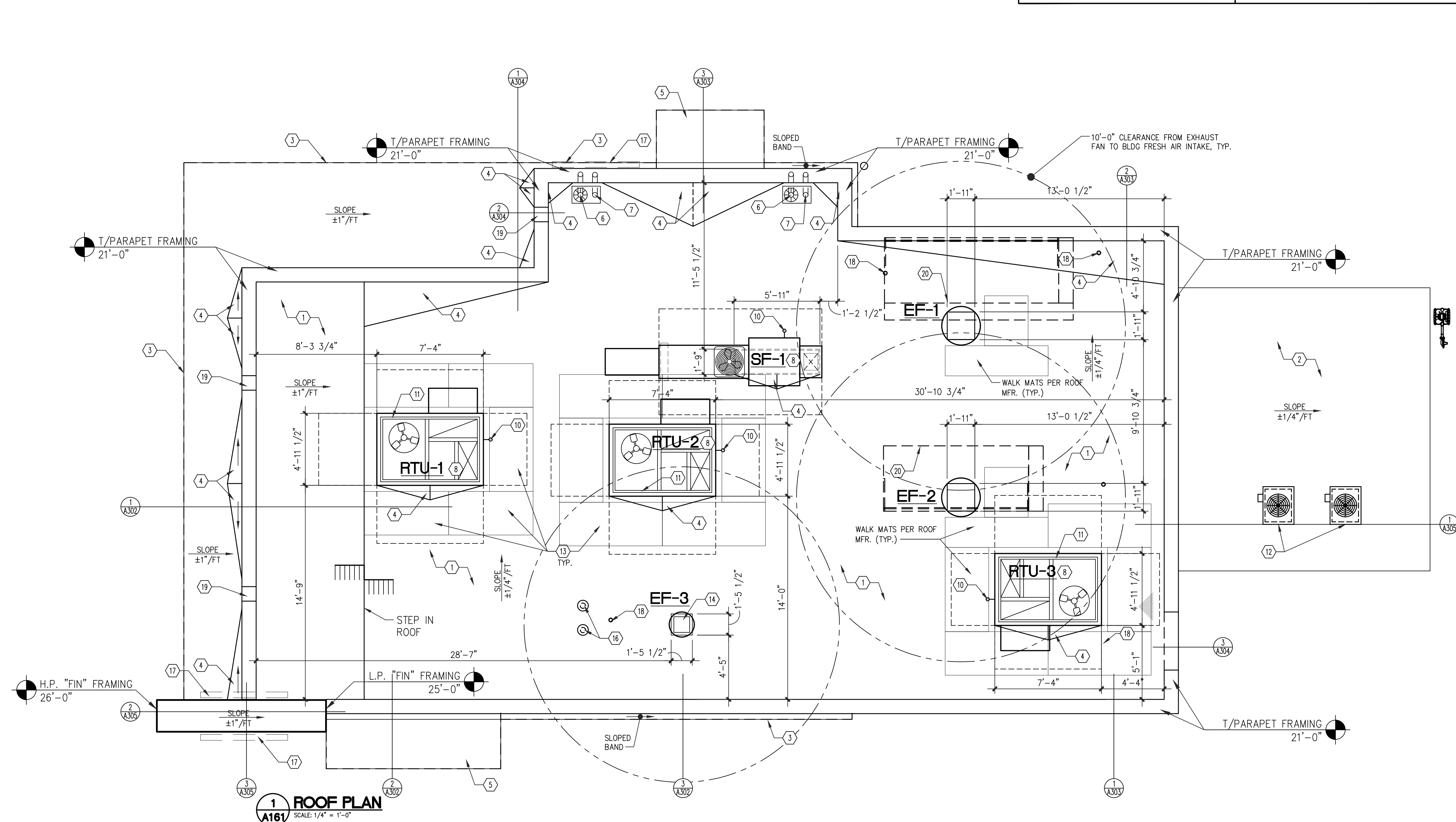
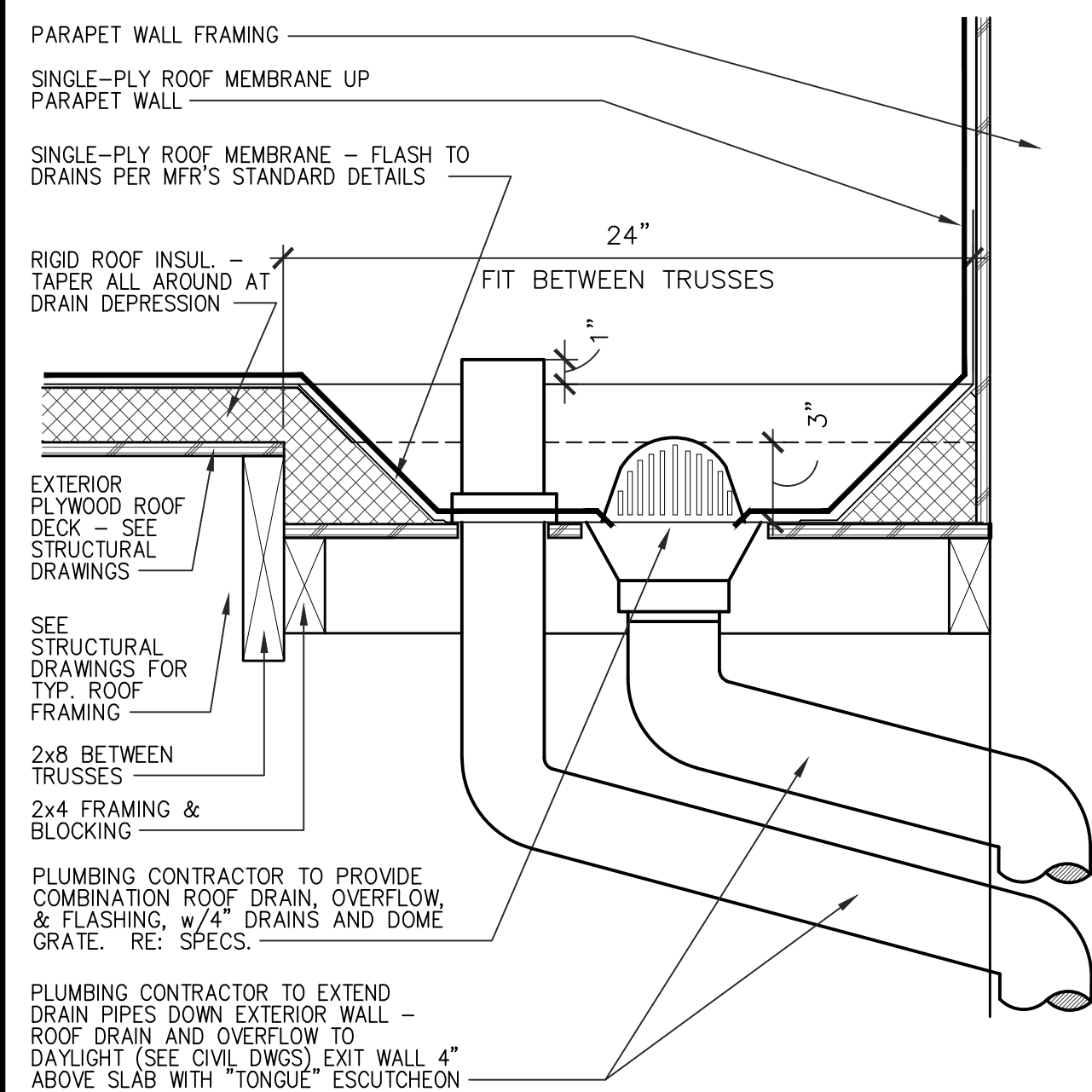
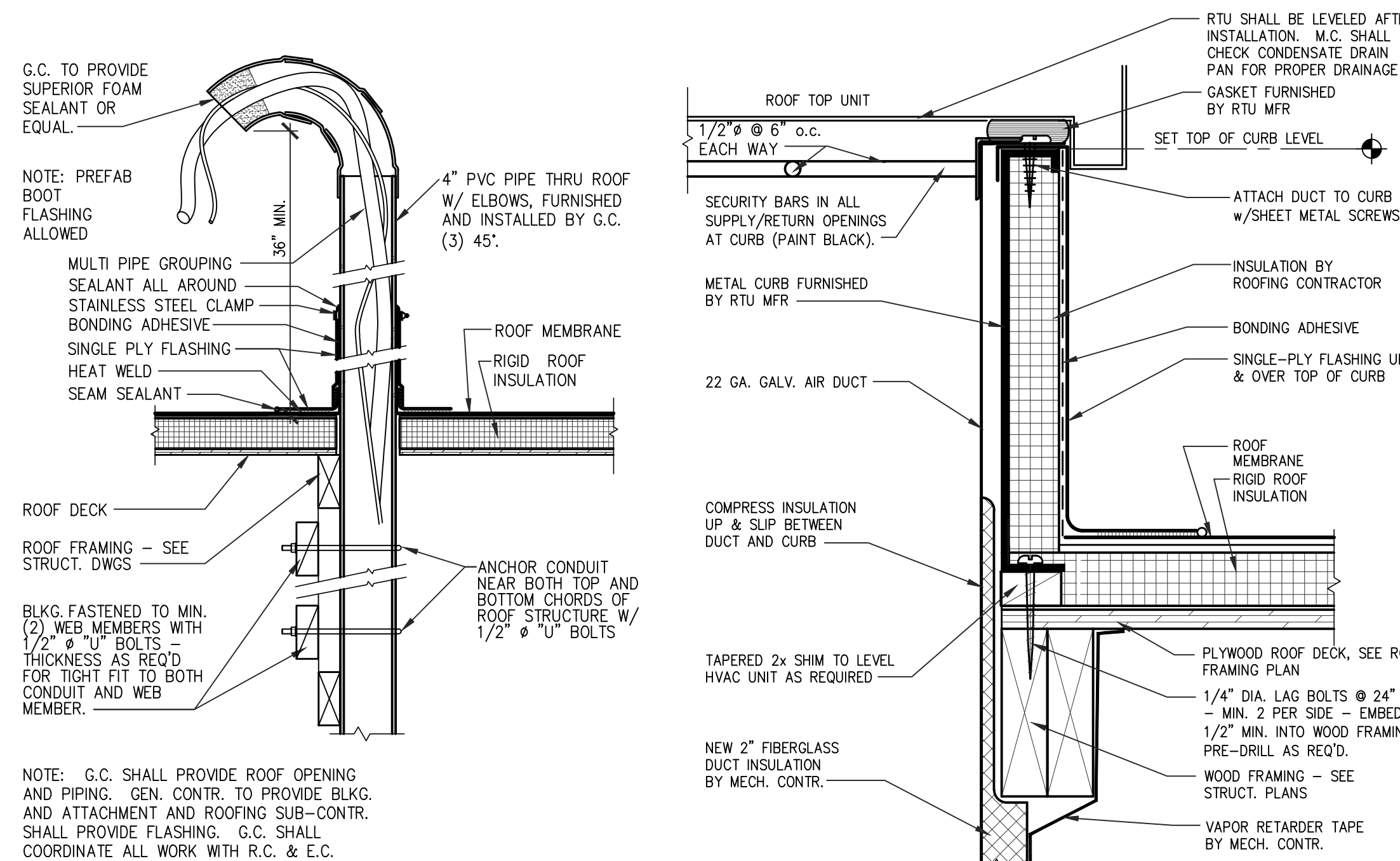
- SEE ELECTRICAL DRAWINGS FOR ALL LIGHT FIXTURE SPECIFICATIONS.
- COORDINATE AND VERIFY ALL LIGHTING FIXTURE INFORMATION, TYPES AND FINAL LOCATIONS WITH REFLECTED CEILING PLAN.
- GENERAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH ANY WORK.
- SEE SHEET ID111 FOR CEILING GRID AND TILE SPECIFICATIONS.
- CONNECT SHEATHING TO STUDS AS SPECIFIED WITH THE STRUCTURAL DRAWINGS.
- VERIFY LOCATIONS AND QUANTITY OF CEILING SPEAKERS WITH OWNER.

CONSTRUCTION NOTES

- EXHAUST HOOD - SEE MECHANICAL DRAWINGS.
- PRE-FABRICATED HANGER ROD CANOPY BY G.C. - SEE EXTERIOR ELEVATIONS.
- CEILING MOUNTED MONITOR - INSTALL ON CEILING MOUNTED ELECTRICAL DROP SEE EQUIPMENT PLAN AND ELECTRICAL DRAWINGS.
- BAFFLE - SEE CEILING DETAILS.
- G.C. TO PROVIDE LOWER CEILING AROUND HVAC DUCTWORK INTO THE DRY GOODS STORAGE AREA. LAY-IN CEILING TILES TURNED VERTICAL TO CREATE BOX-OUT - SEE MECHANICAL DRAWINGS AND ENLARGED DETAIL 7/A502.
- CEILING LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
- EXTERIOR LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
- BUILDING SIGN - SEE EXTERIOR ELEVATIONS.
- BOTTOM OF PENDANT AT 6'-6" A.F.F.
- PENDANTS LIGHTS - SEE ELECTRICAL DRAWINGS.
- NON-COMBUSTIBLE CEILING TILES 18" MIN. AROUND HOOD.
- VINYL COATED CEILING TILES.
- ACOUSTICAL CEILING TILE - SEE CEILING FINISH PLAN.
- EMERGENCY LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
- ALIGN SOFFIT WITH BACK EDGE OF COUNTERTOP.
- SOFFIT TO BE 2" PAST FRONT EDGE OF COUNTERTOP.
- ALIGN SOFFIT WITH END OF WALL.
- STAINLESS STEEL CHASE BELOW - SEE EQUIPMENT PLAN.
- CENTER OVERHEAD BAFFLE ON WALL BELOW.
- GYPSON BOARD CEILING.
- OVERHEAD DESK SHELF BY GC - SEE EQUIPMENT DRAWING.
- 2x6 CEILING JOIST AT 24" o.c.
- INSULATED PANEL CEILING COVERED W/ALUMINUM BY VENDOR




1 REFLECTED CEILING PLAN
A121 SCALE: 1/4" = 1'-0"




GENERAL NOTES

1. CONTRACTOR TO VERIFY AND COORDINATE ALL ROOF TOP EQUIPMENT LOCATIONS AND REQUIRED ROOF PENETRATIONS WITH MECHANICAL AND STRUCTURAL DRAWINGS. NOTIFY ARCHITECT WITH ANY DISCREPANCIES.
2. ALL FLAT ROOF SYSTEMS SHALL HAVE A 1/4" PER FOOT MINIMUM SLOPE U.N.O.
3. G.C. TO VERIFY WITH MUNICIPALITY IF ANY LIGHTNING PROTECTION IS REQUIRED.
4. ALL EDGE FLASHING TO BE ALUMINUM U.N.O.
5. ALL MISC. FLASHING TO BE ALUMINUM U.N.O.
6. ROOF SLOPES ARE TO BE ACHIEVED WITH RIGID INSULATION ABOVE ROOF DECK OVER PRE-ENGINEERED TRUSSES.
7. ROOF DRAIN LEADERS TO MANIFOLD AND CONNECT TO STORMWATER SYSTEM - COORDINATE WITH CIVIL DRAWINGS.
8. ROOF CONTRACTOR IS RESPONSIBLE FOR ROOF DRAINAGE LAYOUT, INCLUDING ANY TAPERING LAYOUT.
9. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS.
10. CONTRACTOR TO VERIFY ALL EQUIPMENT SIZES AND WEIGHT AND COORDINATE WITH TRUSS SPACING.
11. SEE FOOD SERVICE DRAWINGS FOR BOTH ELECTRICAL AND REFRIGERATION PENETRATIONS AND DETAILS FOR ROOFTOP COMPRESSORS.
12. PAINT ANY PIPING IF REQUIRED BY CODE INCLUDING GAS PIPING.
13. G.C. TO LIFT UP TO ROOF FIVE REFRIGERATION CONDENSING UNITS FOR THE FOOD SERVICE EQUIPMENT. EACH UNIT WEIGHS APPROXIMATELY 250 LBS. COORDINATE DELIVERY TIME WITH OWNER AND FOOD SERVICE EQUIPMENT SUPPLIER.
14. TRUSS/JOIST MANUFACTURER TO SUBMIT TRUSS/JOIST DESIGN DRAWINGS AND CALCULATIONS TO PROJECT ARCHITECT FOR APPROVAL PRIOR TO FABRICATION AND DELIVERY.
15. PRE-ENGINEERED CANOPY MANUFACTURER TO SUBMIT DESIGN DRAWINGS AND CALCULATIONS TO PROJECT ARCHITECT FOR APPROVAL PRIOR TO FABRICATION AND DELIVERY.
16. DIMENSIONS TO LOCATE ROOF TOP EQUIPMENT ARE FROM FACE OF STUD TO OUTSIDE EDGE OF EQUIPMENT CURB.

ROOF LEGEND

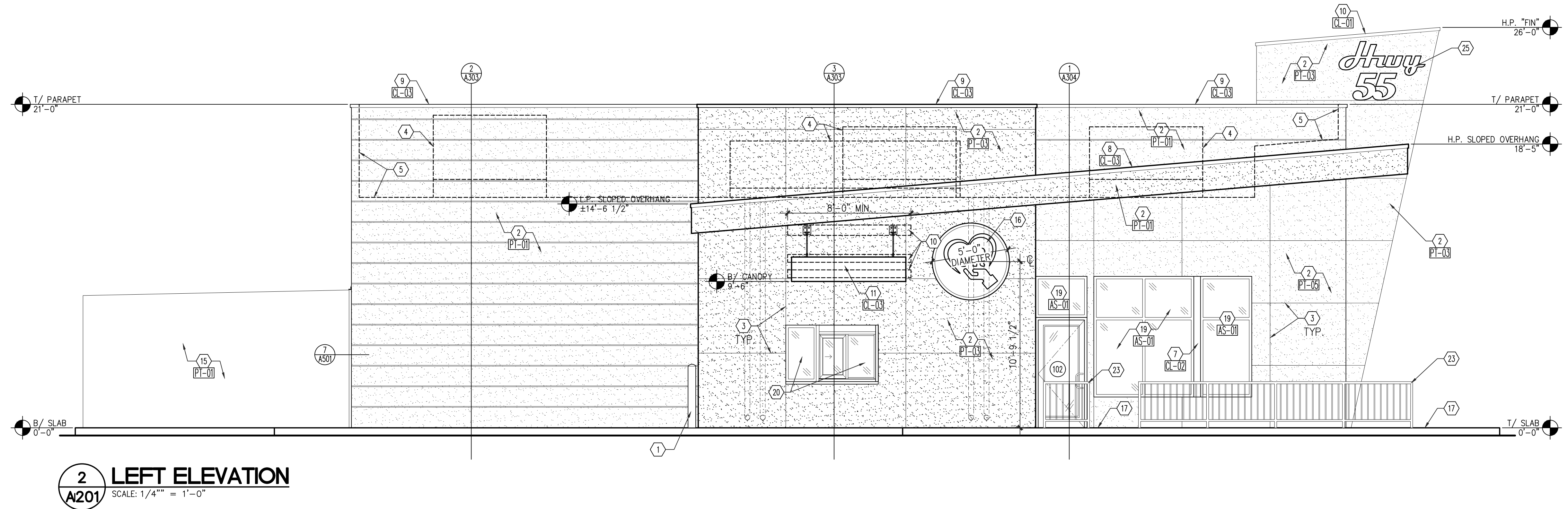
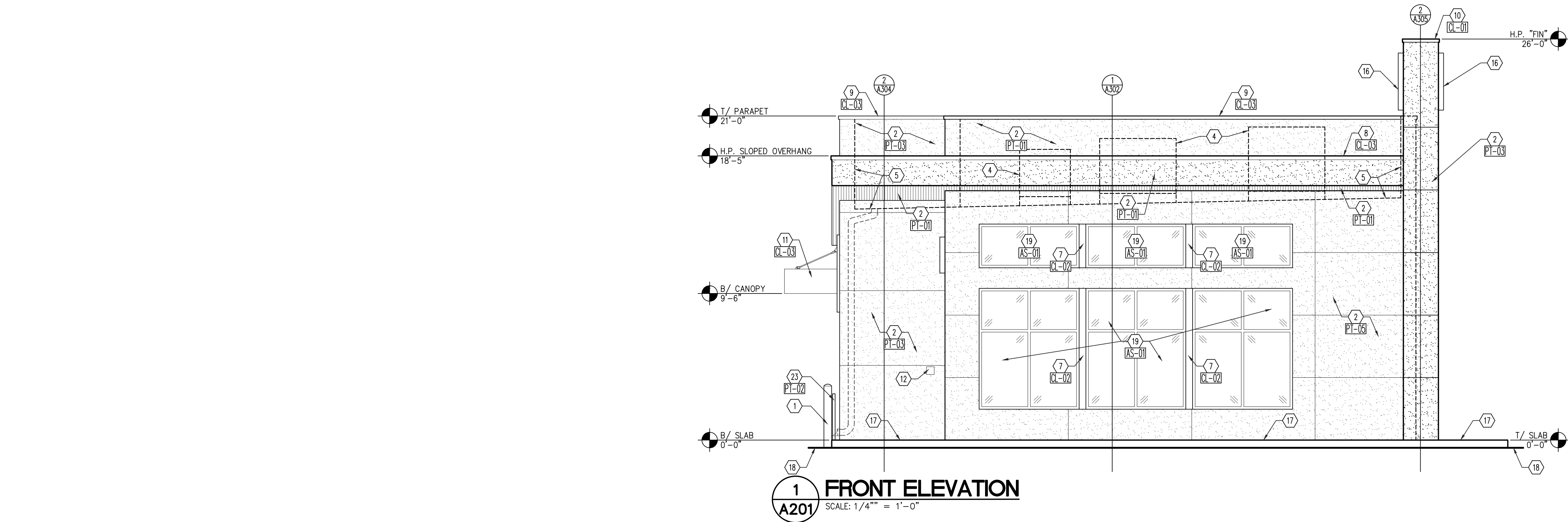
 SINGLE PLY ROOF SYSTEM

 INDICATES DIRECTION OF DOWNWARD SLOPE OF ROOF

KEYED NOTES

- 1 SINGLE PLY 0.50 MM. WHITE GRAPE RESISTANT PVC ROOF MEMBRANE OVER RIDGE INSULATION (SEE ENERGY CODE SUMMARY FOR R-VALUE) ON EXTERIOR GRADE PLYWOOD DECK (SEE STRUCTURAL DRAWINGS) ON PRE-ENGINEERED WOOD TRUSSES.
- 2 SLOPED METAL ROOF BY WALK-IN MANUFACTURER.
- 3 CONTINUOUS ALUMINUM EDGE TRIM - SEE WALL SECTIONS.
- 4 BUILT-UP CRICKET AS REQUIRED.
- 5 HANGER ROOF CANOPY SYSTEM BELOW BY G.C.
- 6 ROOF DRAIN - SEE DETAIL 6/A161 AND PLUMBING DRAWINGS.
- 7 ROOF OVERFLOW DRAIN - SEE DETAIL 6/A161 AND PLUMBING DRAWINGS.
- 8 ROOF TOP MECHANICAL UNIT - SEE MECHANICAL DRAWINGS.
- 9 EXHAUST FAN - REFER TO MECHANICAL DRAWINGS.
- 10 RITE CONDENSATE DISCHARGE TO ROOF - SEE MECHANICAL DRAWINGS.
- 11 ROOF CURB FOR MECHANICAL ROOF TOP UNIT - SEE DETAIL 4/A161 AND MECHANICAL DRAWINGS.
- 12 REMOTE CONDENSER EQUIPMENT ON WALK-IN ROOF BY MANUFACTURER - SEE MECHANICAL DRAWINGS. G.C. COORDINATE POWER AND REFRIGERATION PIPING CHARGING REQUIREMENTS WITH COOLER SUPPLIER AND REFRIGERATION CONTRACTOR.
- 13 PROVIDE ROOF WALKWAY PADS FROM ROOF ACCESS TO ALL EQUIPMENT - TYPICAL.
- 14 RESTROOM EXHAUST - SEE MECHANICAL DRAWINGS.
- 15 PROVIDE ALUMINUM TERMINATION STRIP AT ROOFING/WALL TRANSITION.
- 16 WATER HEATER VENTS - SEE PLUMBING DRAWINGS.
- 17 SIGNAGE BY SIGN VENDOR - SEE EXTERIOR ELEVATIONS.
- 18 VENT THROUGH ROOF - SEE DETAIL 3/A161 AND PLUMBING DRAWINGS.
- 19 THROUGH PARAPET SLOUPEL - SEE ENLARGED DETAIL 5/A501.
- 20 COOKING HOOD BLOWER - SEE MECHANICAL DRAWINGS.

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Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:28pm



GENERAL NOTES

- ALL NEW PAINT WORK MUST INCLUDE A 2 YEAR FULL WARRANTY AND A YEAR PRO-RATED LABOR AND MATERIALS WARRANTY.
- ALL PAINT COLOR SELECTIONS TO BE VERIFIED WITH OWNERS CONSTRUCTION MANAGER BEFORE ORDERING.
- TOP OF PARAPET TO BE CLAD WITH UNA-CLAD COPING. FINAL SELECTION TO BE VERIFIED WITH OWNER'S CONSTRUCTION MANAGER.
- ALL PREFABRICATED CANOPY SYSTEMS TO BE FIELD VERIFIED BEFORE FABRICATION.
- ALL WALL MOUNTED EQUIPMENT SUCH AS ELECTRICAL METERS, IRRIGATION METERS, PHONE/CABLE BOXES, ETHERNET VENTS AND LOUVERS, ETC., SHALL BE PAINTED TO MATCH THE WALL ON WHICH IT IS MOUNTED OR OTHERWISE CONSISTENT WITH THE COLOR(S) OF THE BUILDING.

CONSTRUCTION NOTES

- PIPE BOLLARD - SEE SITE PLAN.
- HARD COAT STUCCO WITH MEDIUM SAND FINISH - SEE WALL SECTIONS.
- HARD COAT STUCCO CONTROL JOINT.
- OUTLINE OF MECHANICAL EQUIPMENT BEYOND.
- APPROXIMATE LINE OF ROOF SURFACE BEYOND.
- SLOPED ROOF SURFACE.
- CLEAR ANODIZED ALUMINUM BREAK METAL BETWEEN STOREFRONT WINDOWS.
- CONTINUOUS METAL ROOF EDGE OR DRIP FLASHING - SEE WALL SECTIONS.
- CONTINUOUS METAL EDGE FLASHING.
- BLOCKING FOR PRE-FABRICATED HANGER ROD CANOPY SYSTEM BY GENERAL CONTRACTOR - COORDINATE WITH SIGN VENDOR & SEE WALL SECTIONS.
- PRE-FABRICATED HANGER ROD CANOPY SYSTEM. GENERAL CONTRACTOR PROVIDED AND INSTALLED - SEE WALL SECTIONS.
- KNOX BOX MOUNTED AT 4'-6" A.F.F.
- ELECTRICAL METER SERVICE - SEE ELECTRICAL DRAWINGS.
- GAS METER/SERVICE - SEE PLUMBING DRAWINGS.
- PREMANUFACTURED AND PRIMED COOLER/FREEZER/STORAGE - BY MANUFACTURER. PAINT TO MATCH STUCCO
- SIGNAGE FEATURE BY OWNER'S VENDOR. GENERAL CONTRACTOR TO COORDINATE INSTALLATION WITH STRUCTURE AND ELECTRICAL. COLOR: RED
- CONCRETE SIDEWALK/CURB - SEE SITE PLAN.
- APPROXIMATE GRADE/PAVEMENT.
- STOREFRONT DOOR/WINDOW SYSTEM - SEE FLOOR PLAN FOR MORE INFORMATION.
- DRIVE-THRU WINDOW SYSTEM - SEE FLOOR PLAN FOR MORE INFORMATION.
- HOLLOW METAL DOOR AND FRAME - SEE DOOR SCHEDULE.
- GREASE COLLECTION UNIT - SEE EQUIPMENT PLAN.
- PEDESTRIAN GUARD RAIL - SEE CIVIL DRAWINGS.
- INSULATED METAL DOOR AND HOLLOW METAL FRAME. PAINT TO MATCH STUCCO - SEE DOOR SCHEDULE.
- SIGNAGE FEATURE BY OWNER'S VENDOR. GENERAL CONTRACTOR TO COORDINATE INSTALLATION WITH STRUCTURE AND ELECTRICAL. COLOR: WHITE

EXTERIOR FINISH SCHEDULE

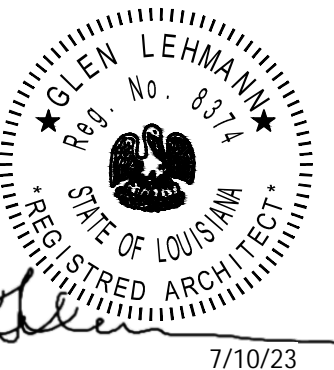
- | | |
|-------|--|
| CL-01 | PREFINISHED ALUMINUM EDGE FLASHING - COLOR - RED - SW6866 HEARTHROB |
| CL-02 | METAL FASCIA/ BRAKE METAL WRAP - MILL FINISH - CLEAR COAT |
| CL-03 | PREFINISHED ALUMINUM EDGE OR DRIP FLASHING - COLOR - BLACK - SW6993 BLACK OF NIGHT |
| PE-01 | HARD COAT STUCCO - PAREX - STYLE: MEDIUM SAND FINISH - COLOR - GRAY - SW 6002 ESSENTIAL GRAY |
| PE-02 | HARD COAT STUCCO - PAREX - STYLE: MEDIUM SAND FINISH - COLOR - BLACK - SW6993 BLACK OF NIGHT |
| PE-03 | HARD COAT STUCCO - PAREX - STYLE: MEDIUM SAND FINISH - COLOR - RED - FMS 20-0069 TPM CANDY APPLE RED |
| PE-04 | HARD COAT STUCCO - PAREX - STYLE: MEDIUM SAND FINISH - COLOR - WHITE - SW7005 PURE WHITE |
| AS-01 | ALUMINUM STOREFRONT MILL FINISHED - COLOR: CLEAR COAT |

* REFER TO THE MOST CURRENT HWY 55 BRAND BOOK FOR ALL INTERIOR AND EXTERIOR COLORS - VERIFY ALL FINISHES WITH OWNER PRIOR TO PURCHASING

LHMT Project No. 23047.00

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A DIVISION OF LHMT ASSOCIATES
7208 ACC BLVD, 2ND FLOOR,
RALEIGH, NC 27617
Phone: 919.244.0087 Fax: 919.544.9399



7/10/23

PROJECT: **HIGHWAY 55**
32 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: EXTERIOR ELEVATIONS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

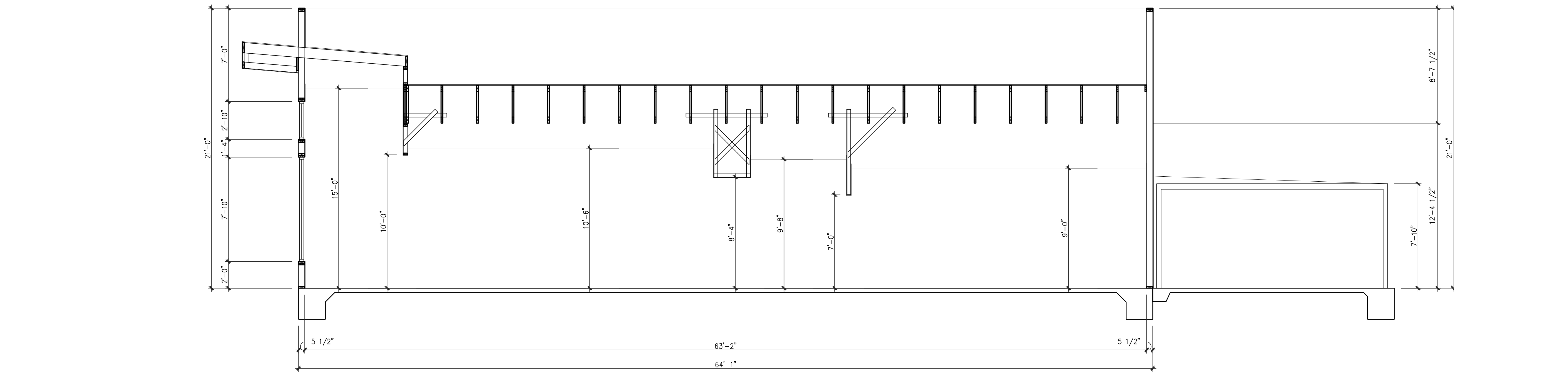
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CDK

Checked By
GRL

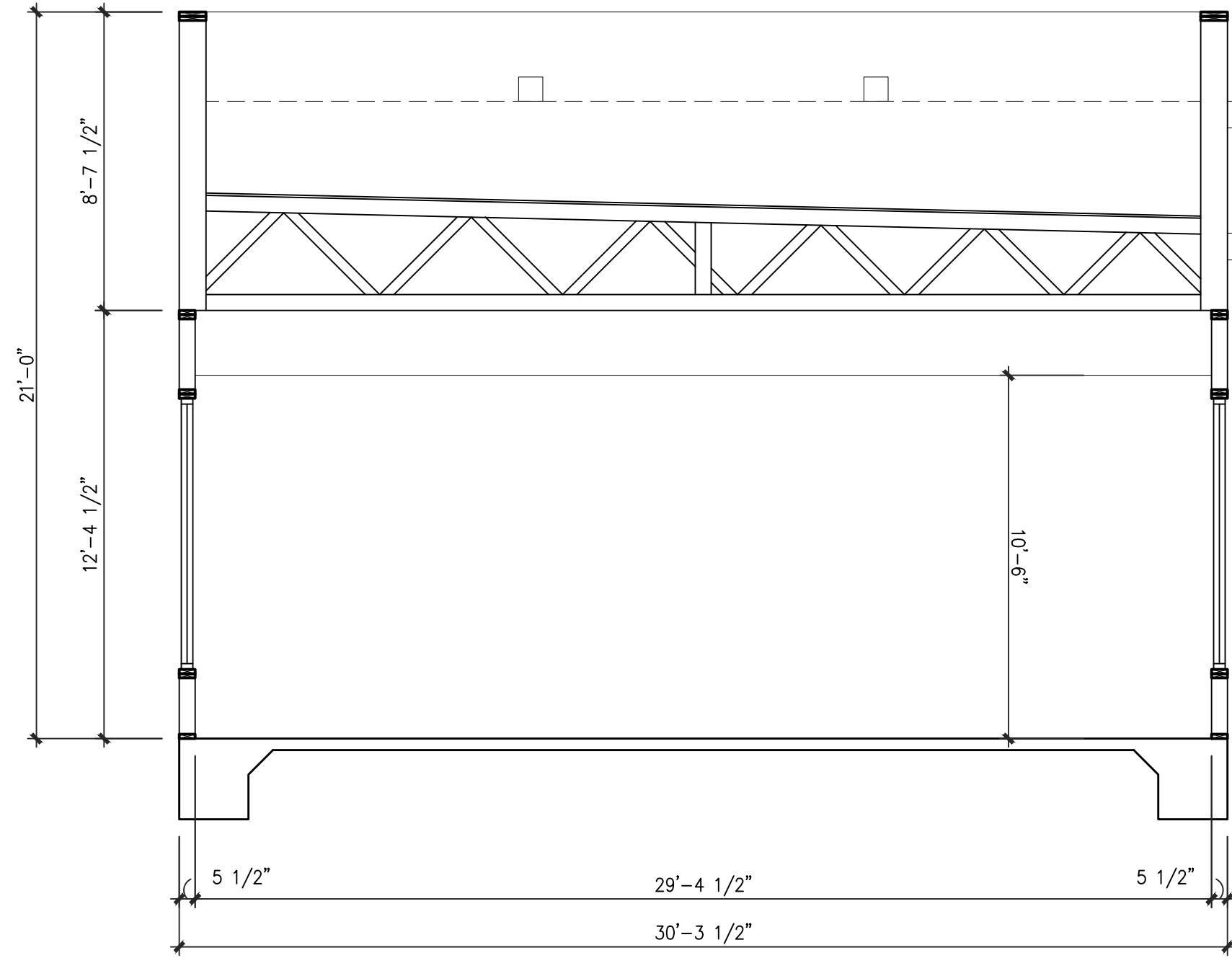
Sheet No.

A201

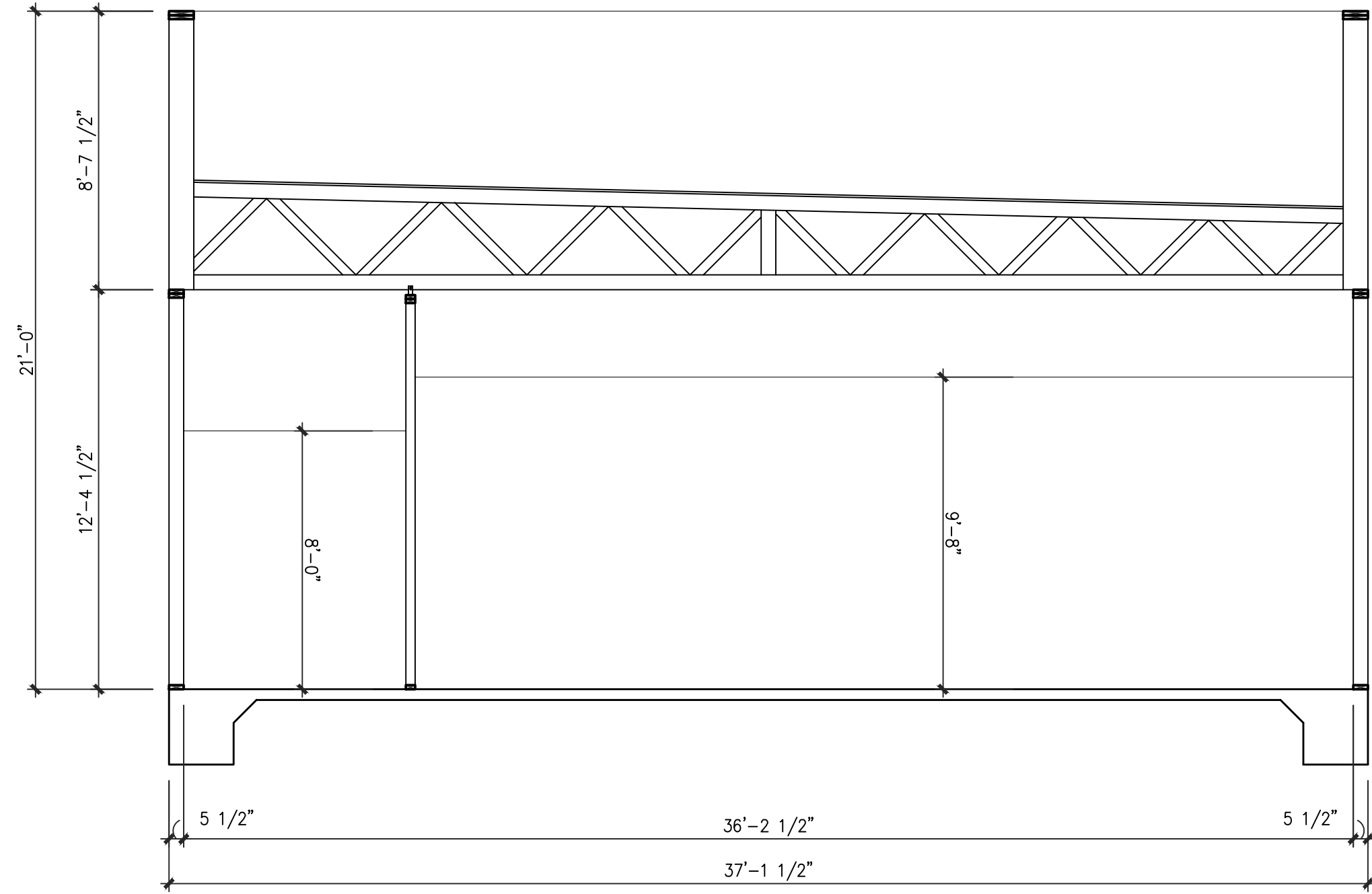
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Plotted Date: Jun 29, 2023 2:28pm



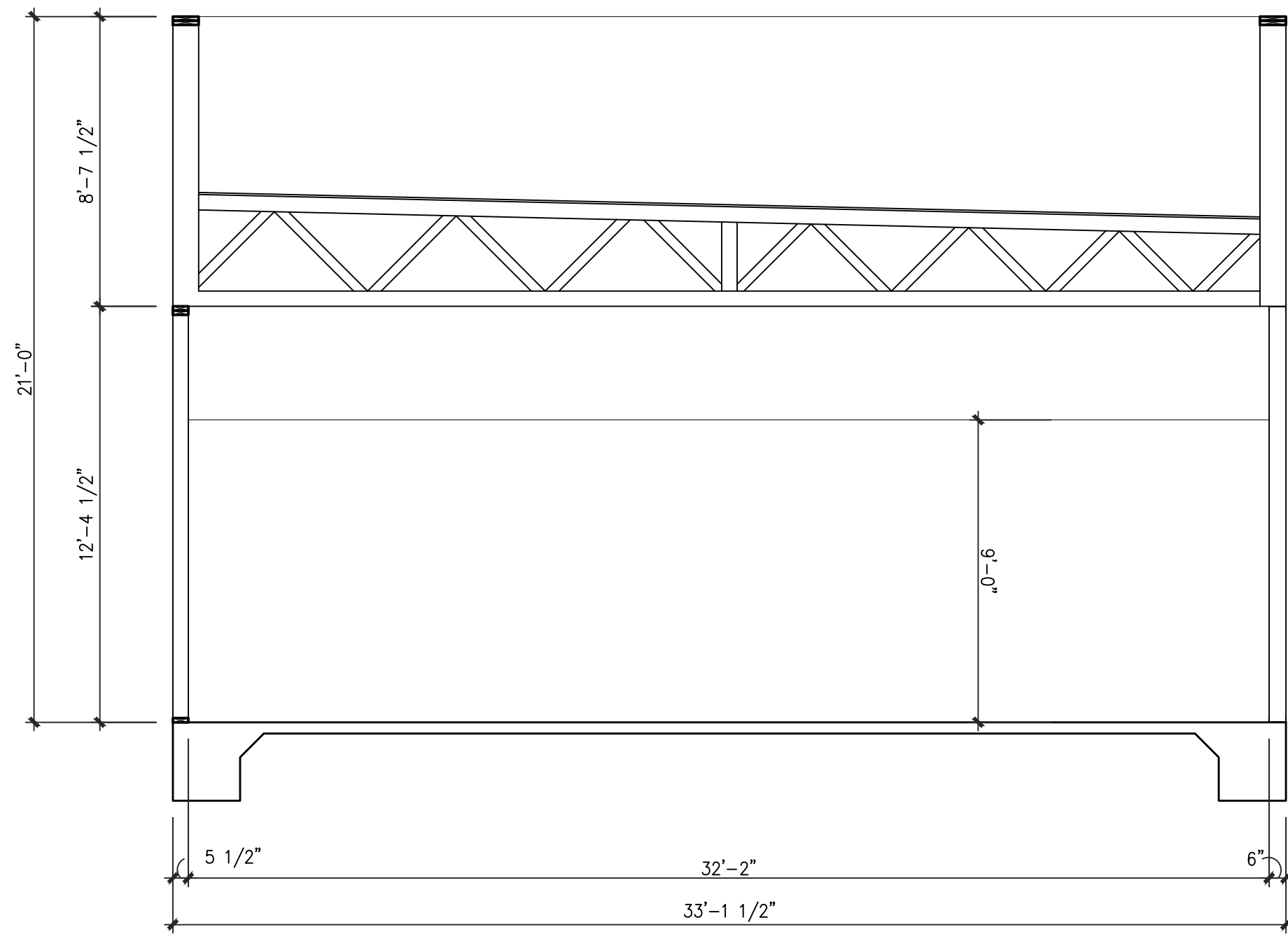
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A301 SCALE: 1/4" = 1'-0"



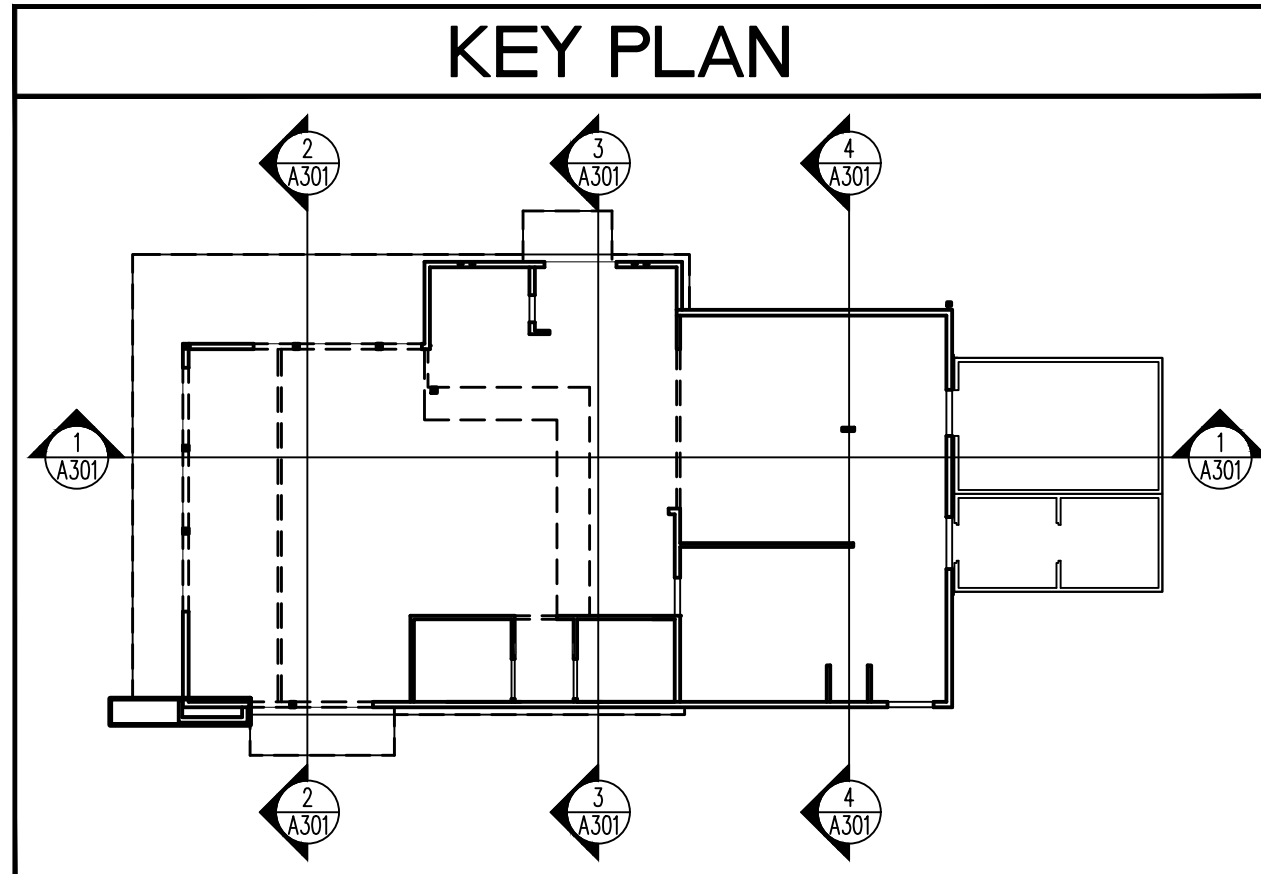
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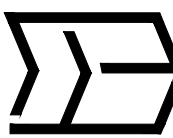
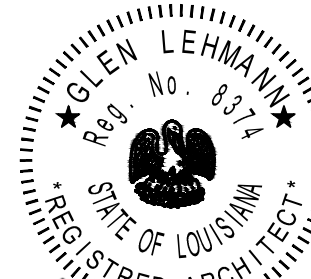


3 BUILDING SECTION
A301 SCALE: 1/4" = 1'-0"



4 BUILDING SECTION
A301 SCALE: 1/4" = 1'-0"



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<div> 7/10/23</div>	
PROJECT: HIGHWAY 55 3.2 PROTOTYPE	DRAWING: BUILDING SECTIONS
3236 HWY 190 HAMMOND, LA 70401	
Revisions	
THRU ADDENDUM "D" 11/21/2022	
PROJECT DATE 06/29/2023	
Drawn By CIH	
Checked By GRL	
Sheet No. A301	

Revisions

THRU ADDENDUM "D"
11/21/2022

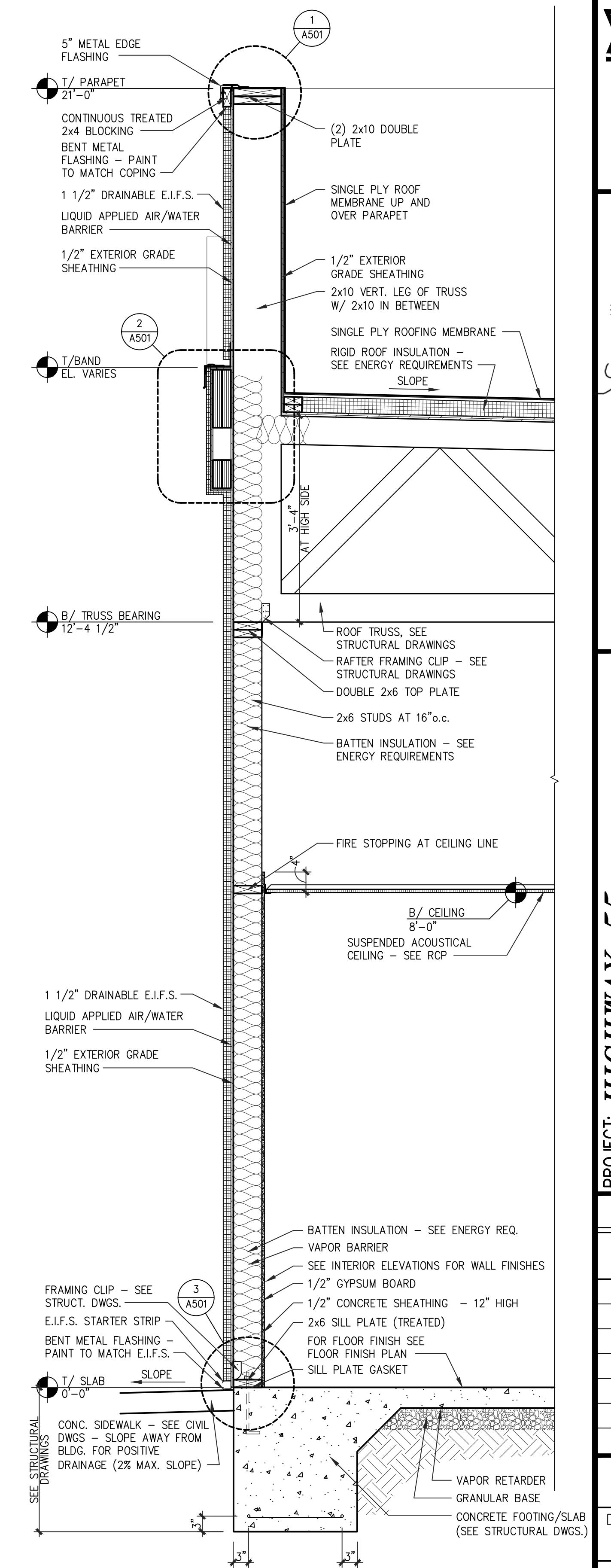
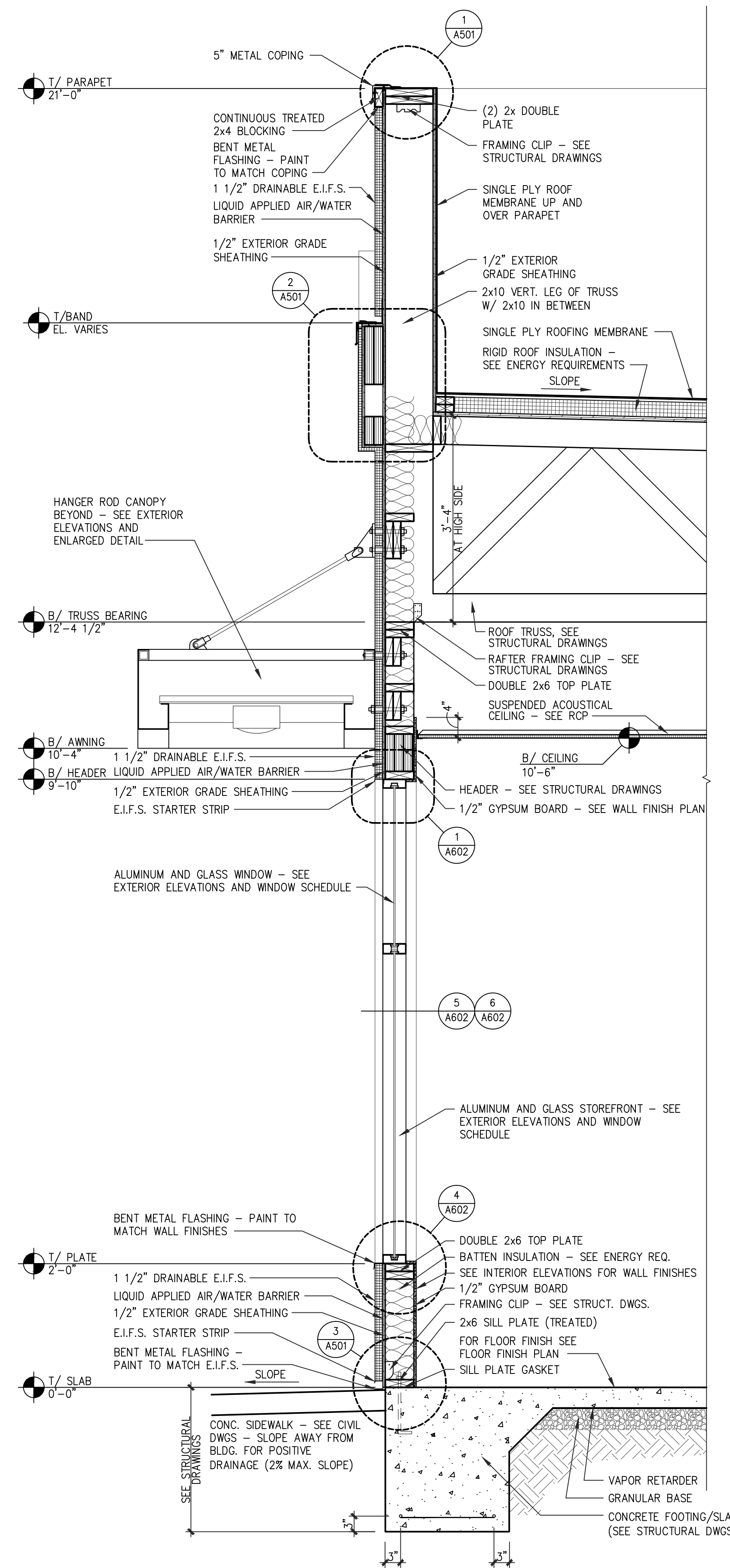
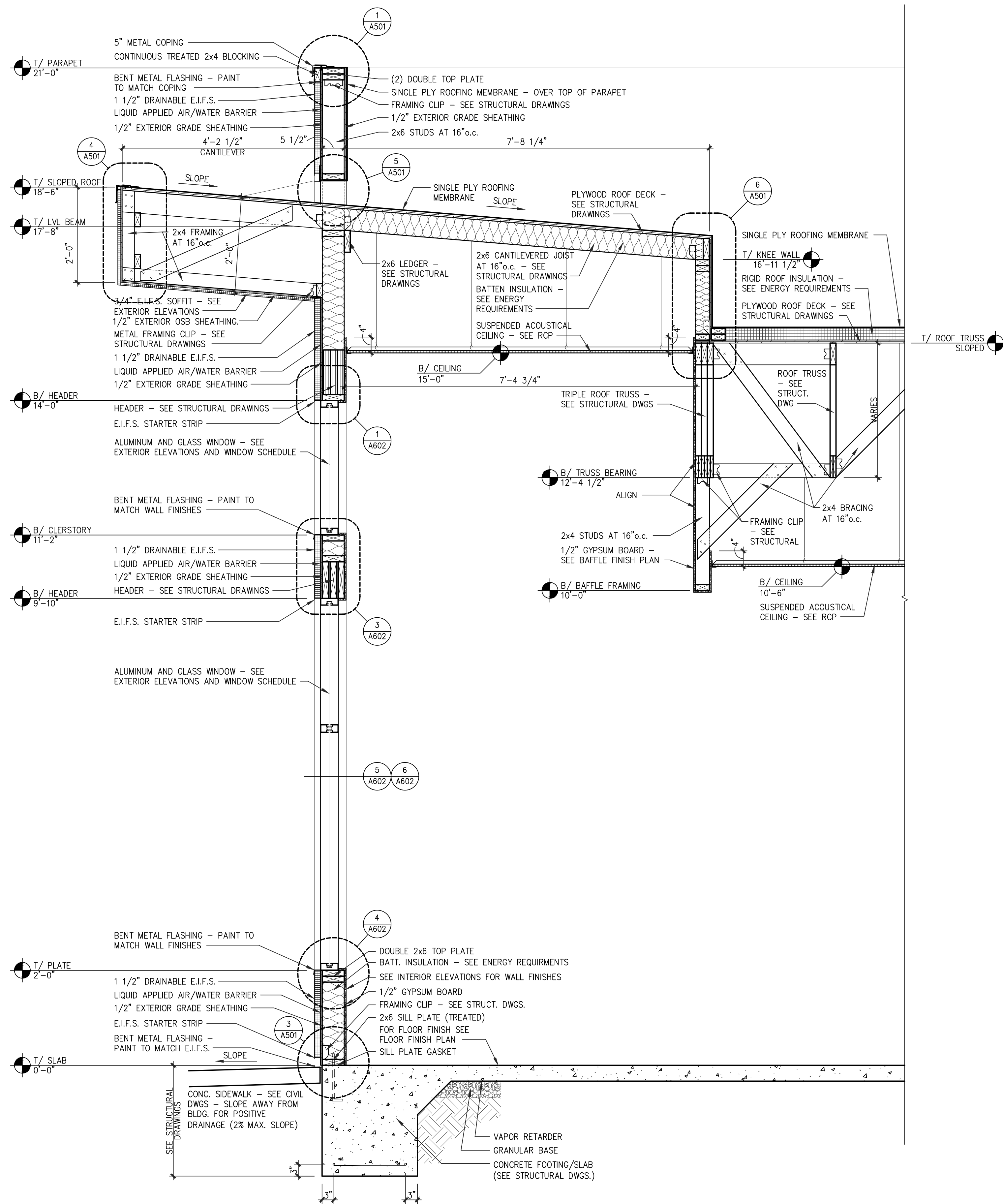
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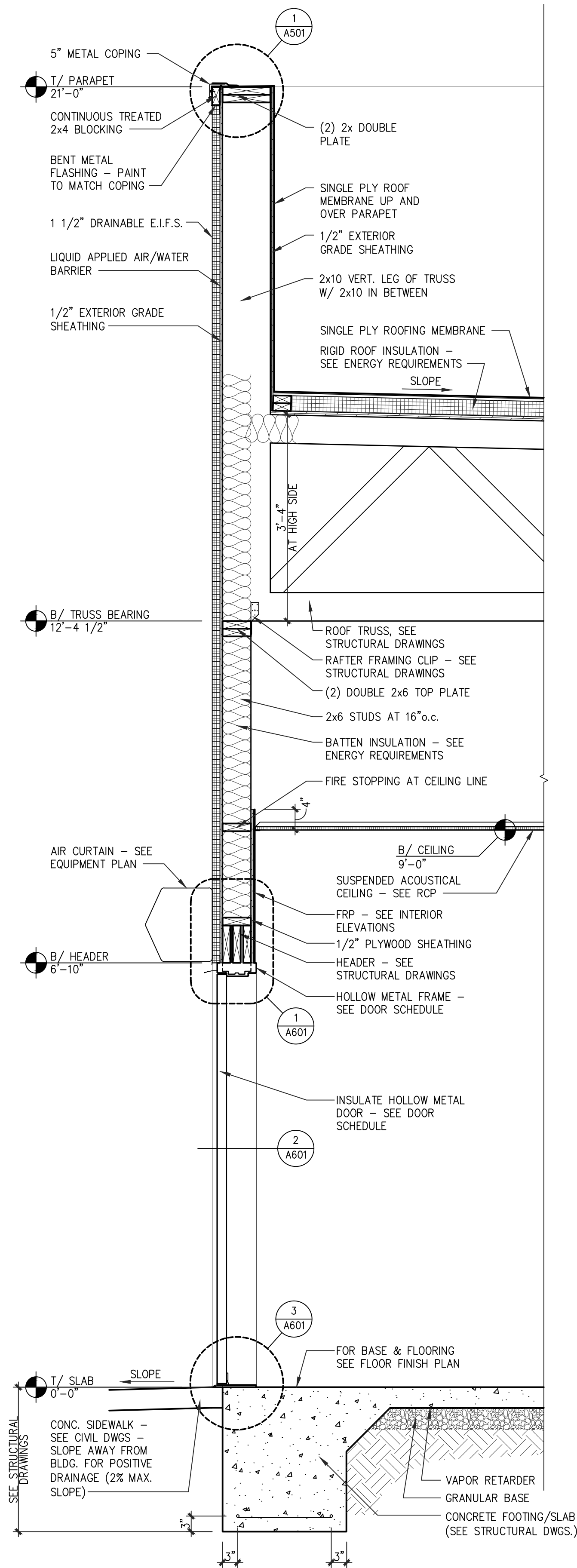
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Sheet No.

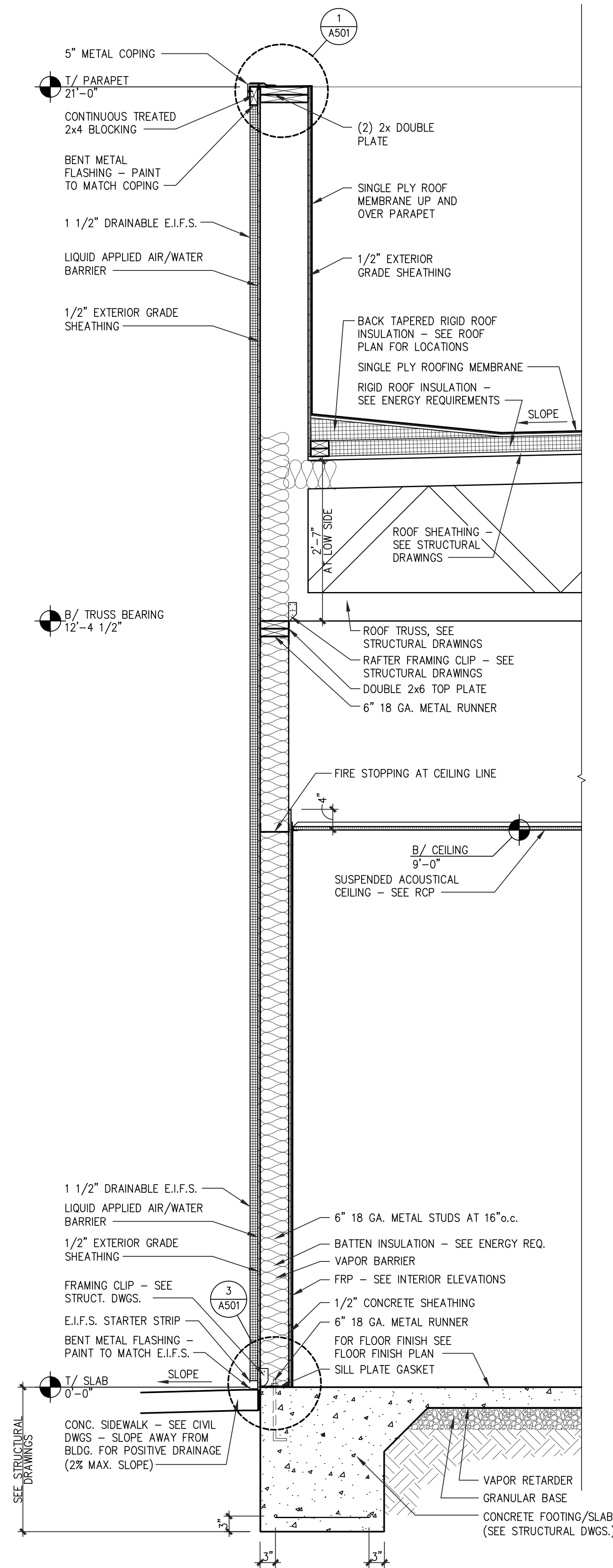
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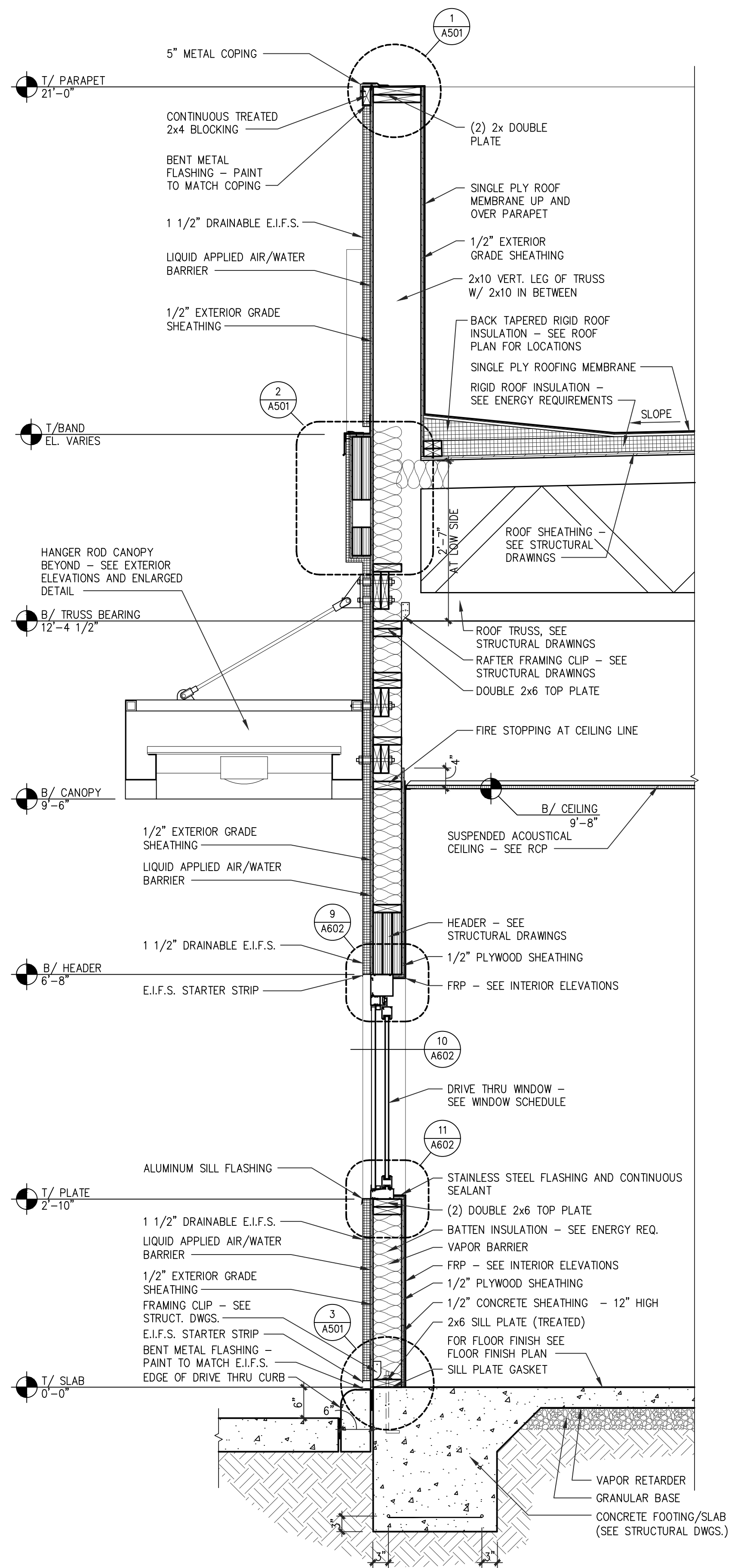
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Plotted Date: Jul 10, 2023 - 10:57am



1
A303 **SIDE WALL SECTION AT HOLLOW METAL DOOR**
SCALE: 3/4" = 1'-0"

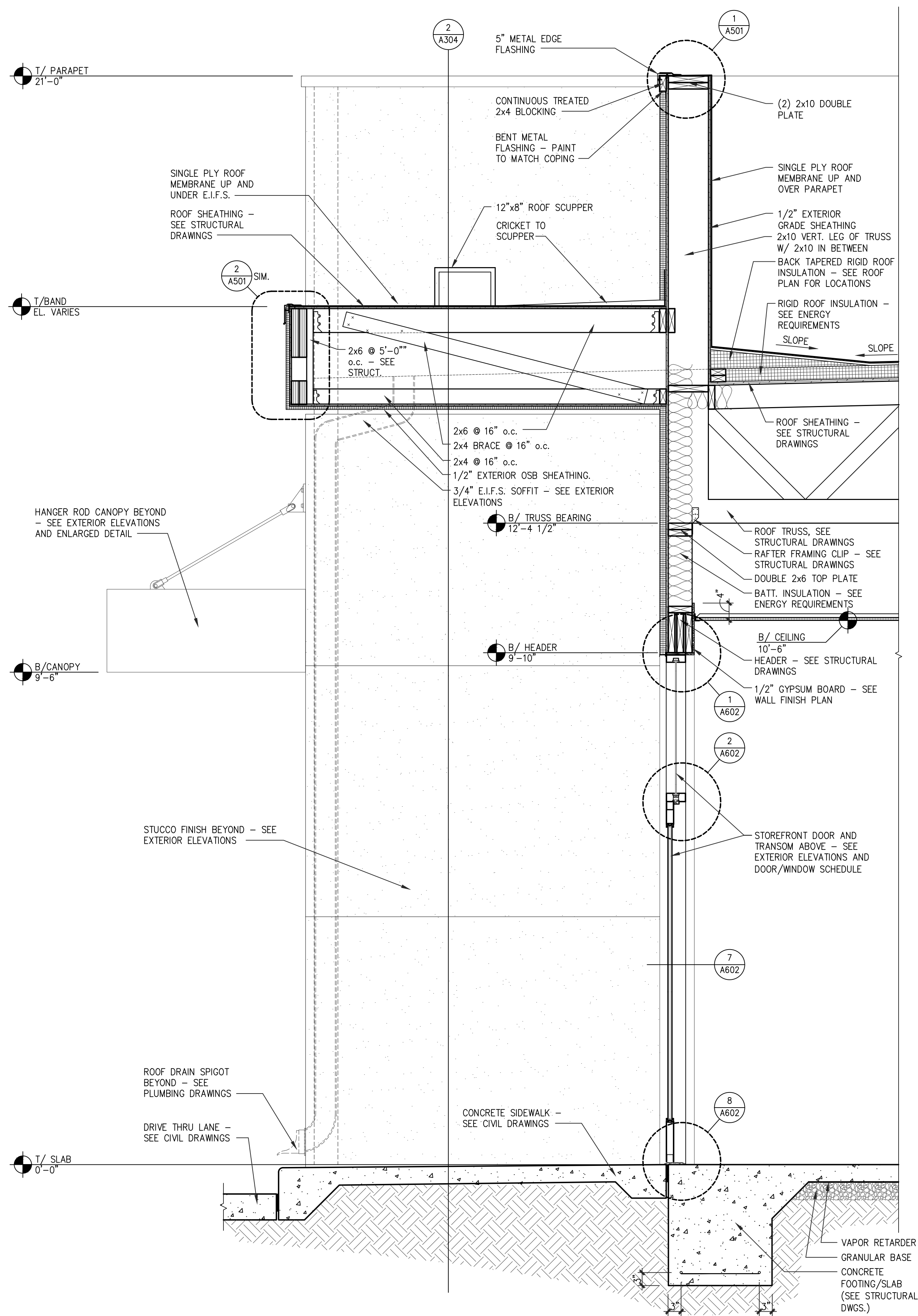


2
A303 **SIDE WALL SECTION AT NON-COMBUSTIBLE WALL**
SCALE: 3/4" = 1'-0"

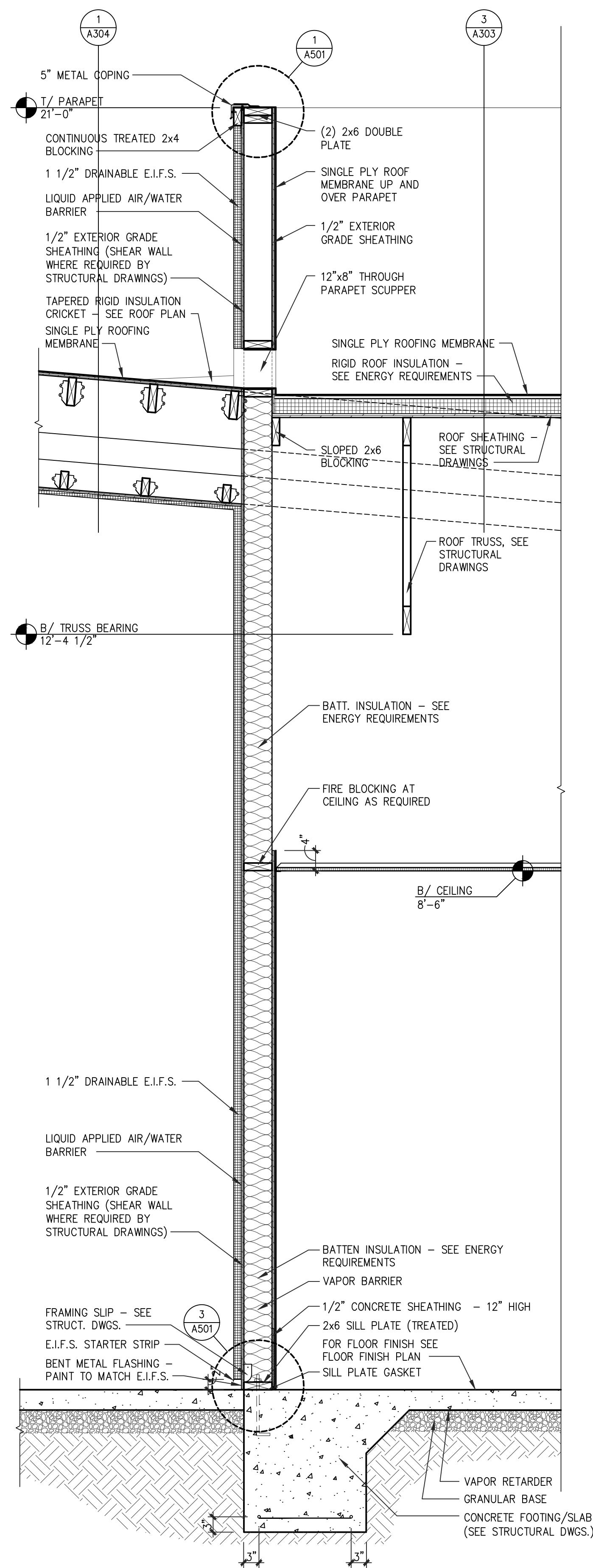


3
A303 **WALL SECTION AT DRIVE THRU WINDOW**
SCALE: 3/4" = 1'-0"

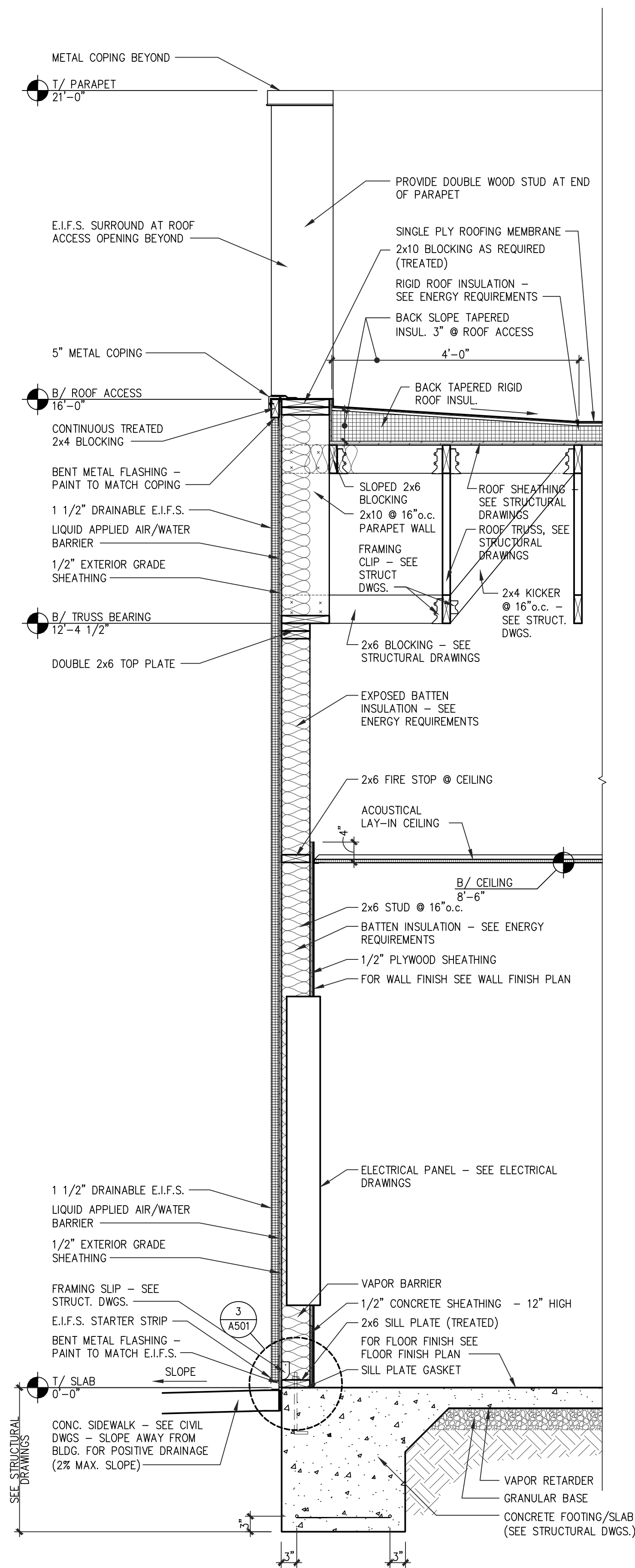
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Plotted Date: Jul 10, 2023 - 10:57am



1
A304 **SIDE WALL SECTION AT ENTRY DOOR**
SCALE: 3/4" = 1'-0"



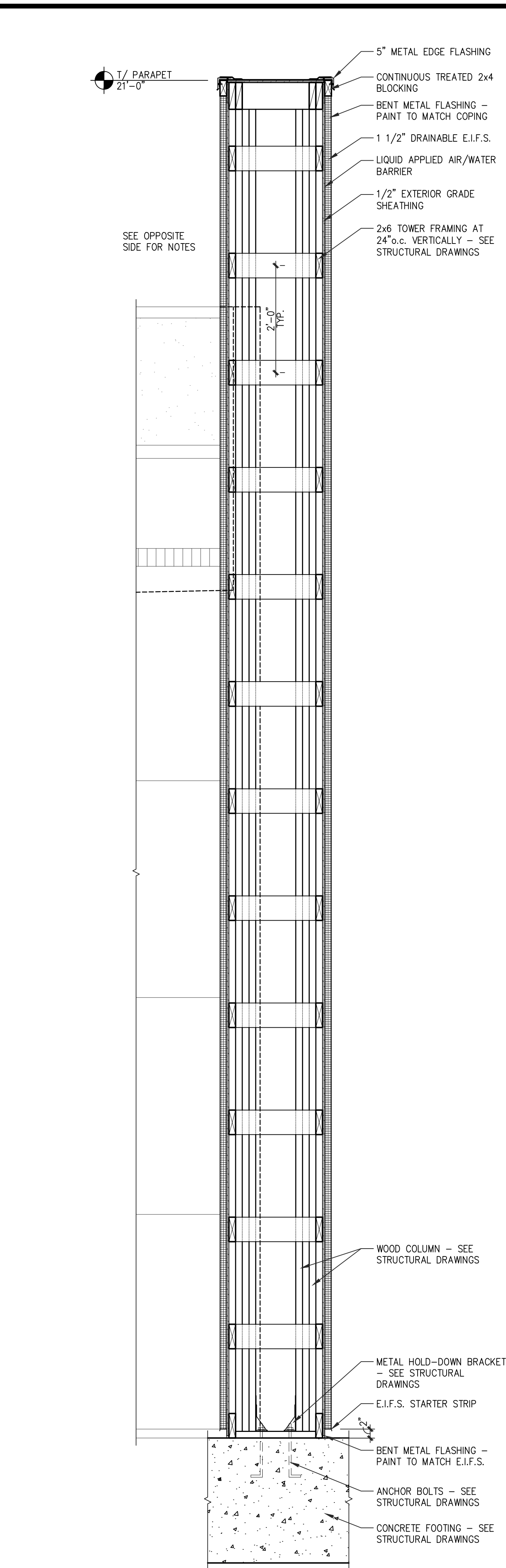
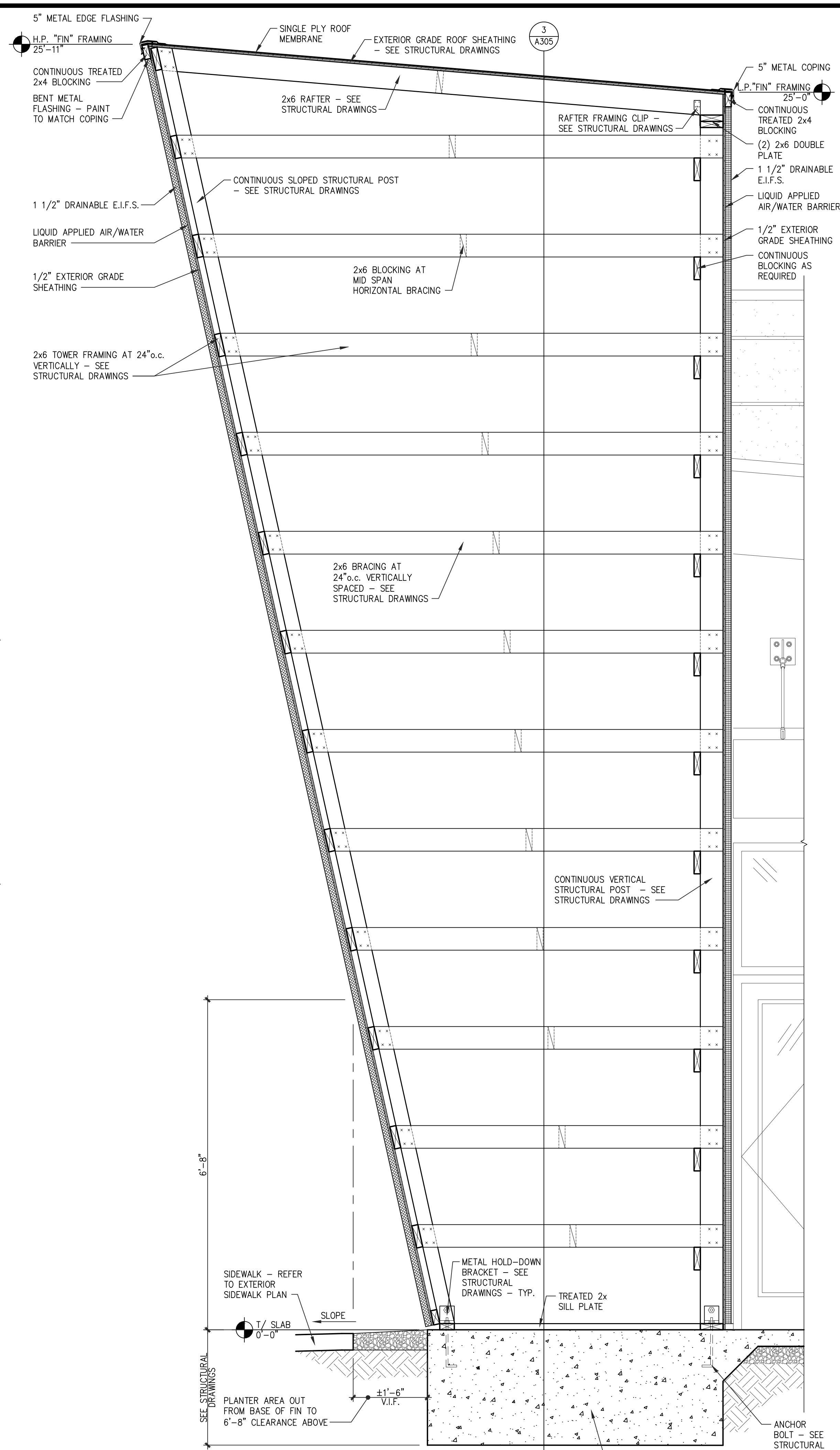
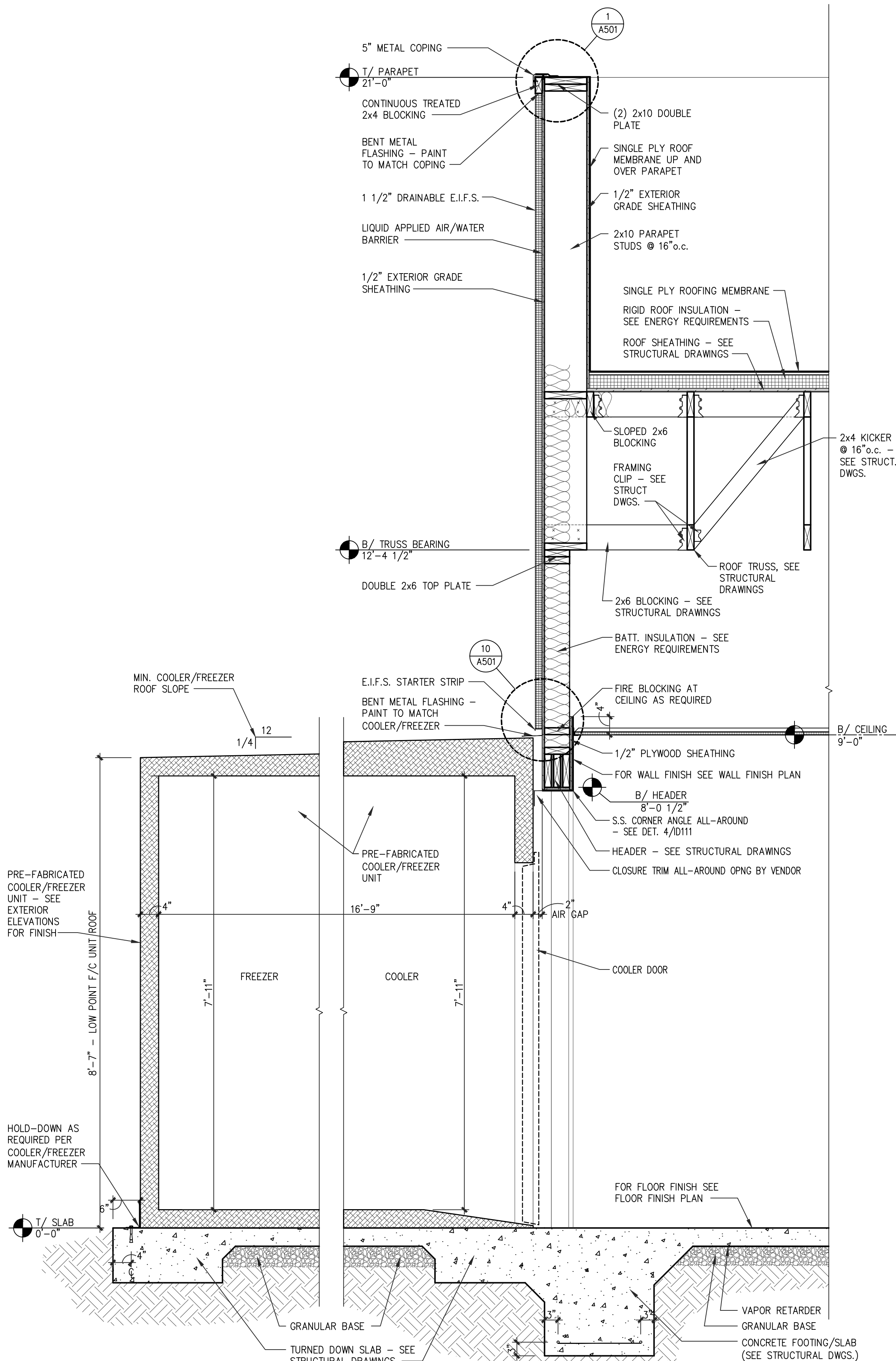
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A304 **SLOPE ROOF AT DRIVE THRU WALL**
SCALE: 3/4" = 1'-0"



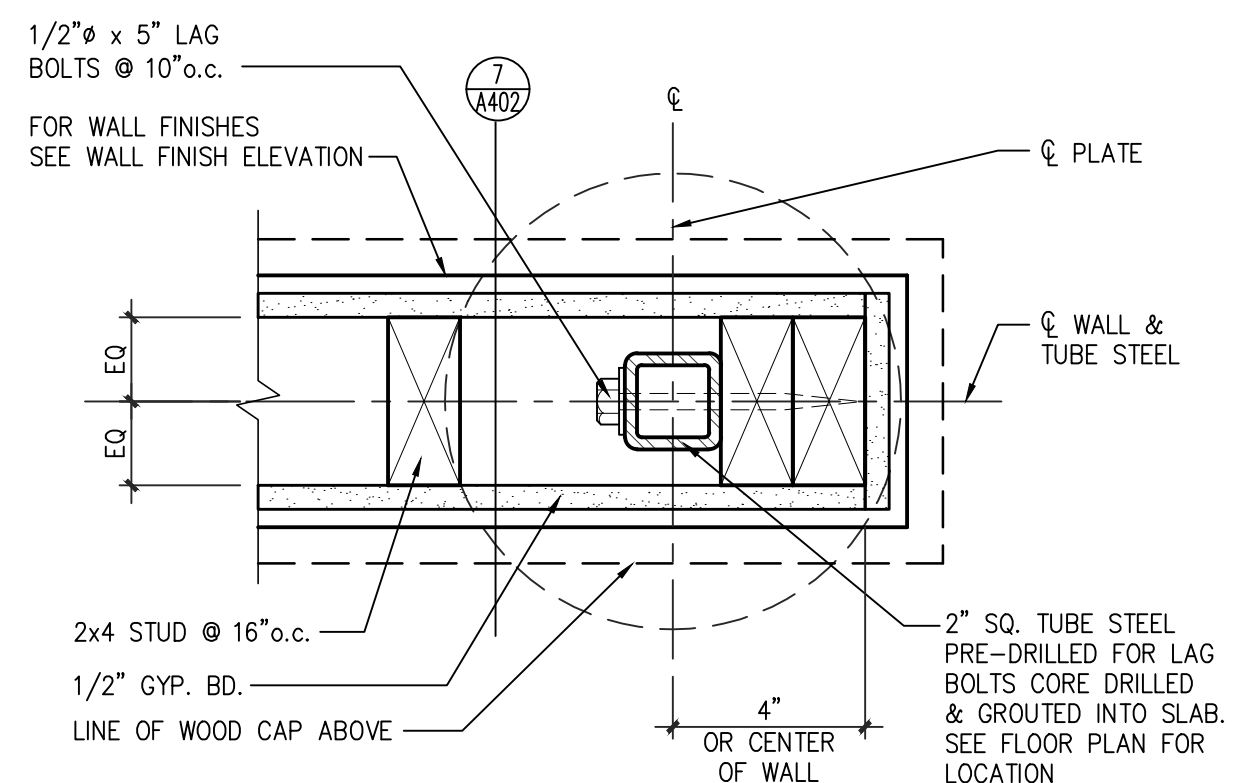
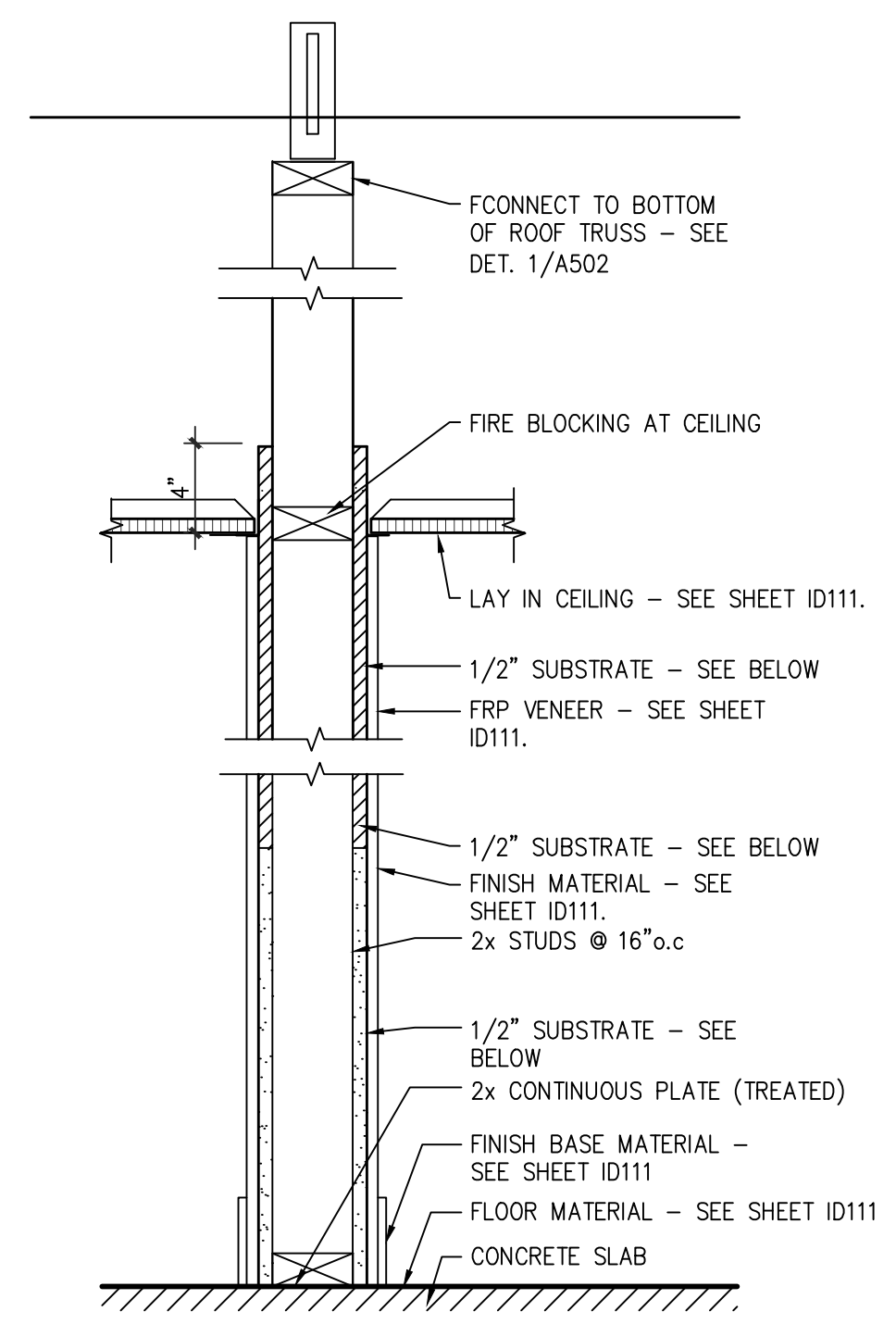
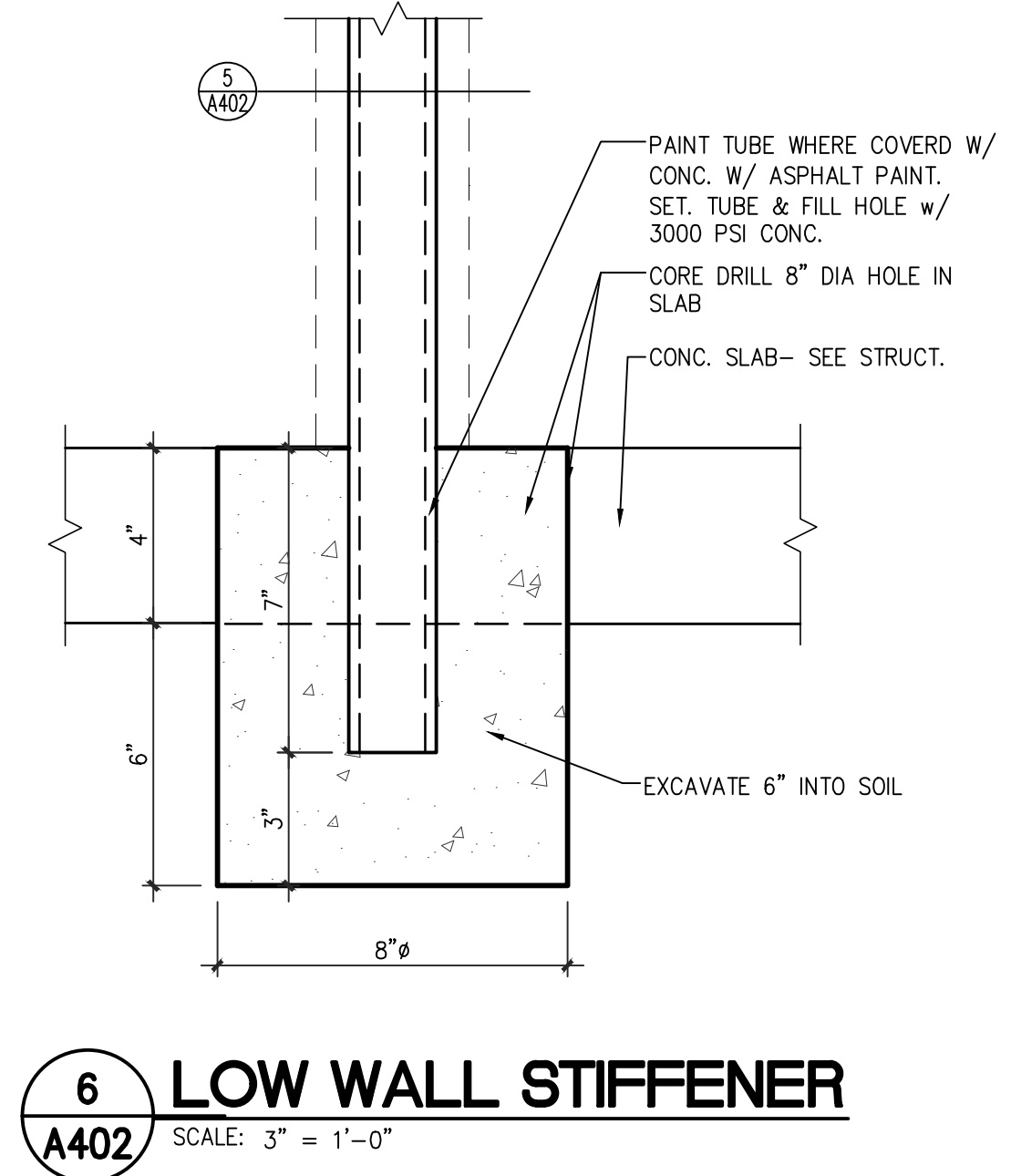
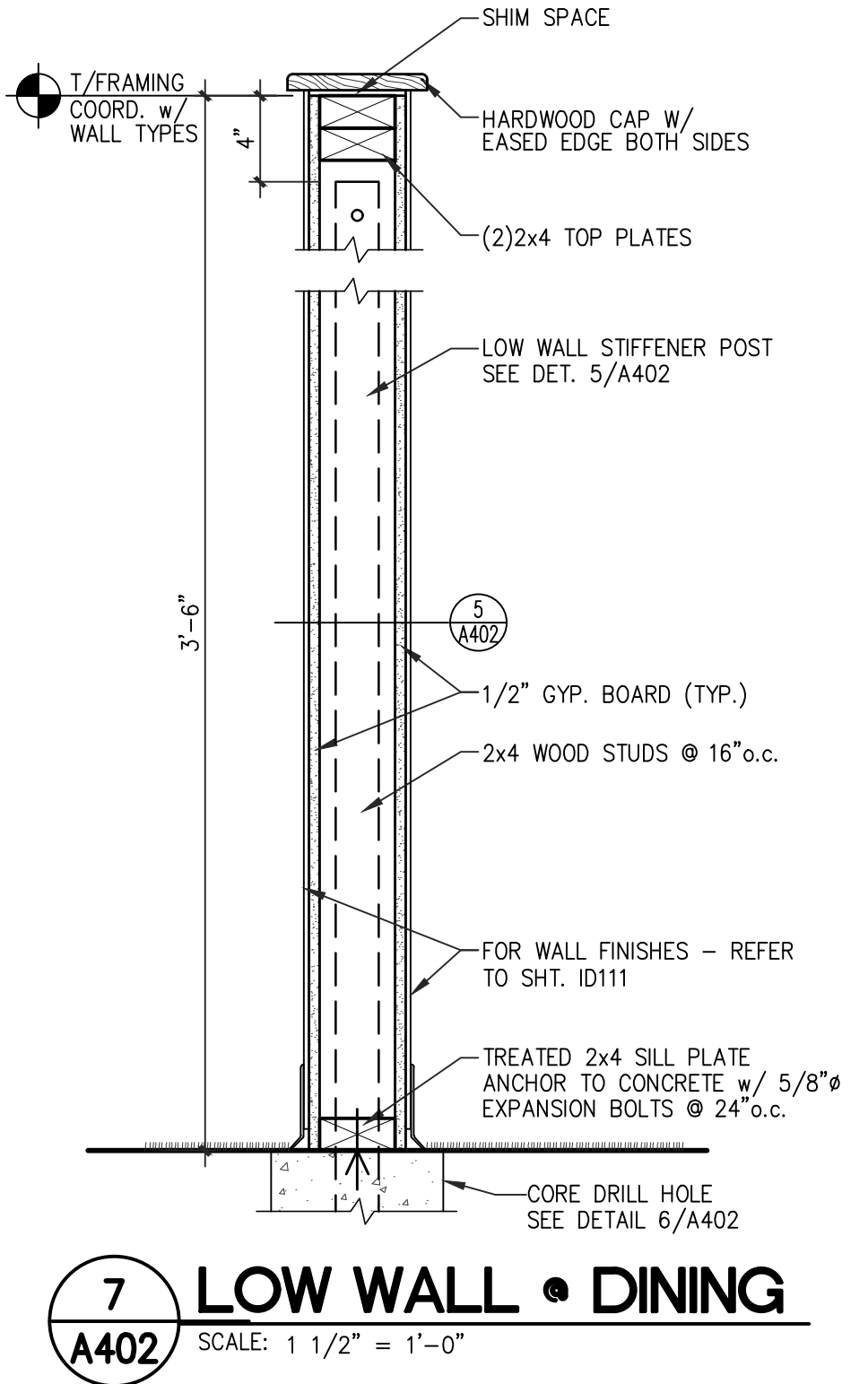
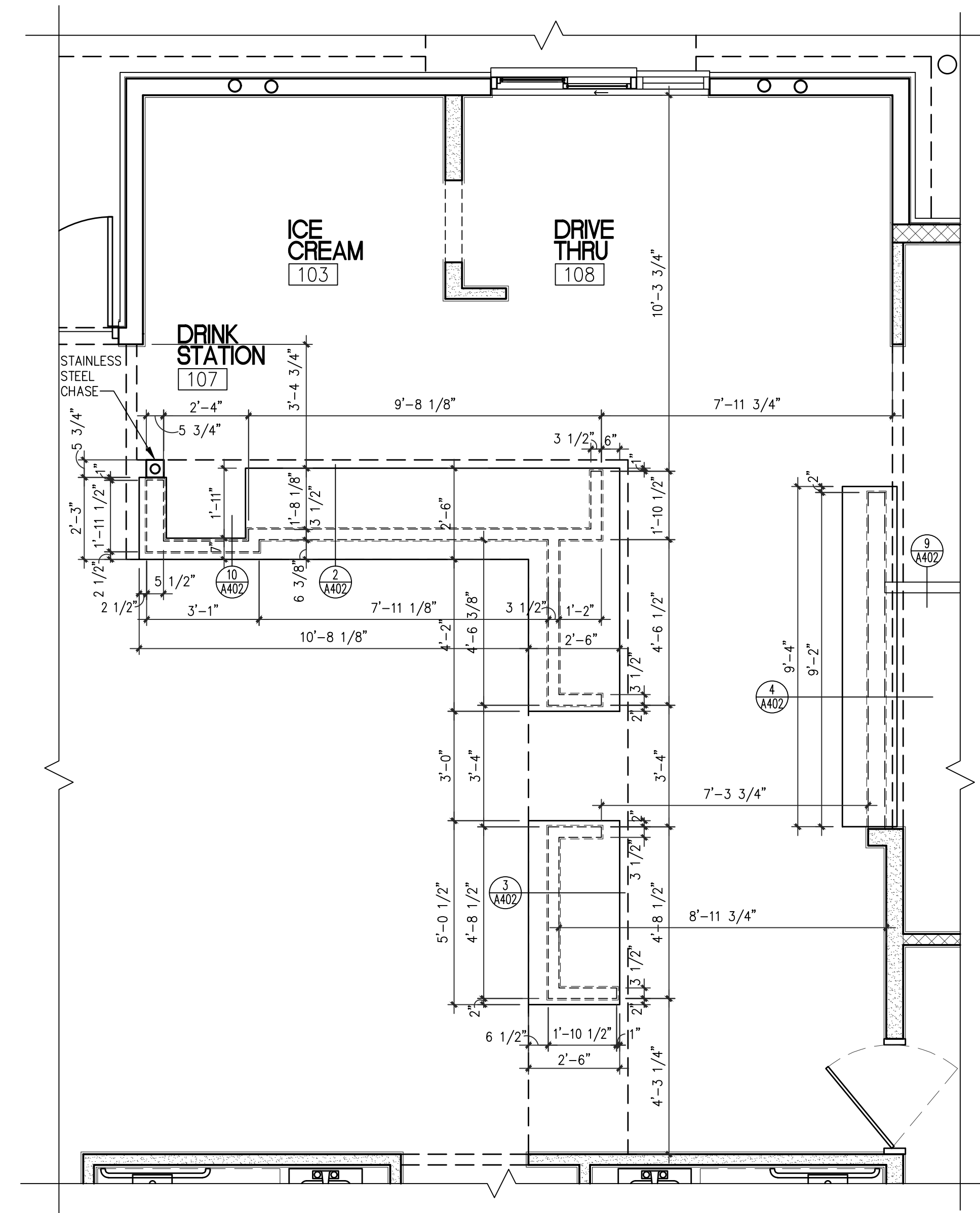
3
A304 **REAR WALL SECTION AT ROOF ACCESS**
SCALE: 3/4" = 1'-0"

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PROJECT: HIGHWAY 55 32 PROTOTYPE 3236 HWY 190 HAMMOND, LA 70401	
DRAWING: WALL SECTIONS	
Revisions	
THRU ADDENDUM "D"	11/21/2022
PROJECT DATE 06/29/2023	
Drawn By	CIH
Checked By	GRL
Sheet No.	A304

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GLEN LEHMANN Reg. No. 8174 STATE OF LOUISIANA REGISTERED ARCHITECT 7/10/23	
PROJECT: HIGHWAY 55 3.2 PROTOTYPE	DRAWING: WALL SECTIONS
3236 HWY 190 HAMMOND, LA 70401	
Revisions	
THRU ADDENDUM "D"	11/21/2022
PROJECT DATE 06/29/2023	
Drawn By CIH	Checked By GRL
Sheet No. A305	



5 LOW WALL STIFFENER
SCALE: 3" = 1'-0"
NOTE: END CONDITION SHOWN- INTERMEDIATE COND. SIM.- FIELD LOCATE

TYPICAL SUBSTRATES FOR INTERIOR WALLS SHALL BE AS FOLLOWS:

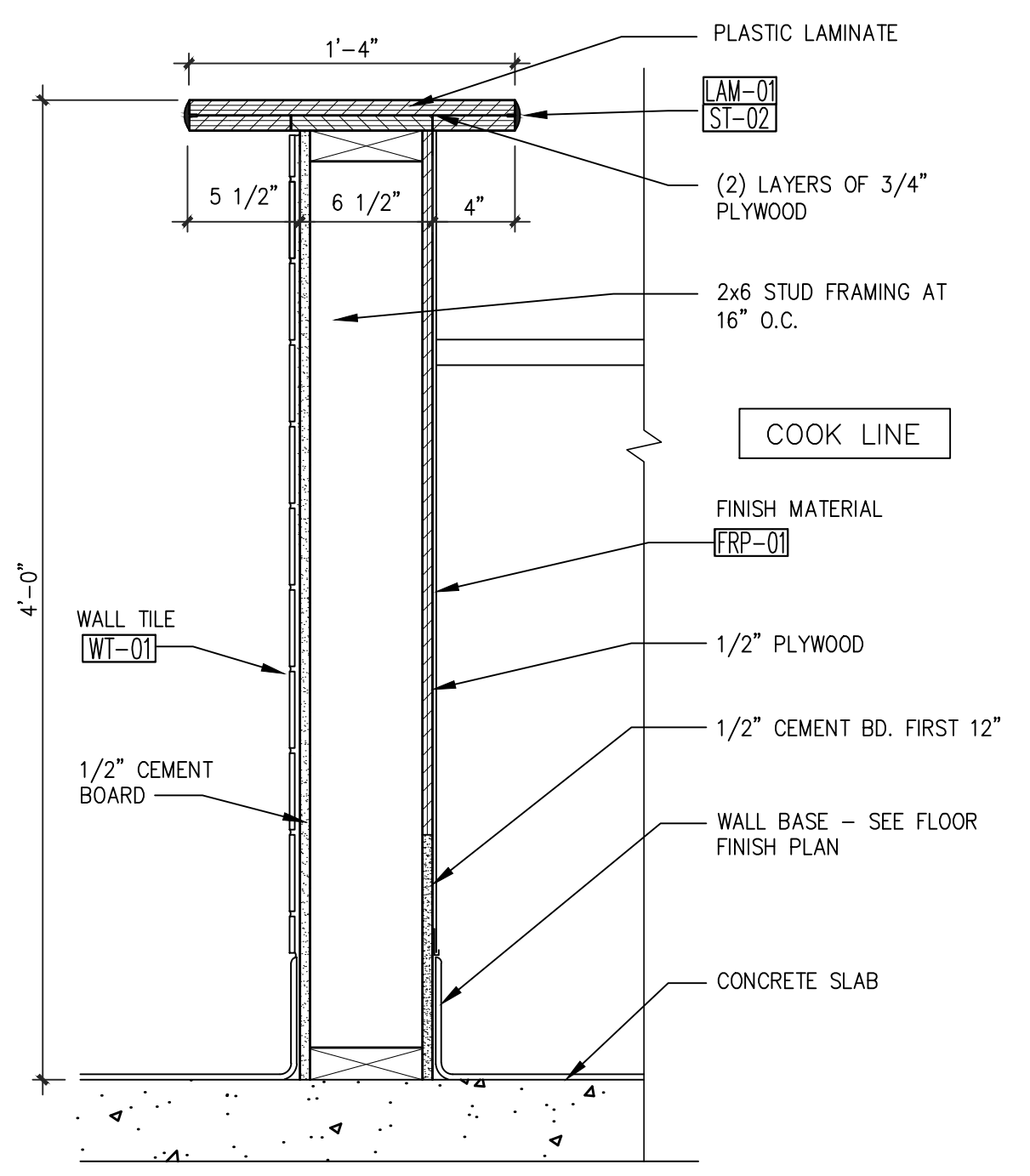
KITCHEN AREAS:
1/2" CEMENT BD. (WHERE TILE OR STAINLESS STEEL IS USED)
0'-0" TO 1'-0" - 1/2" CEMENT BD.
1'-0" AND ABOVE - 1/2" PLYWOOD (WHERE FRP IS USED)

DRINK STATION, ICE CREAM AND DRIVE THRU:
1/2" CEMENT BOARD (WHERE TILE IS USED)

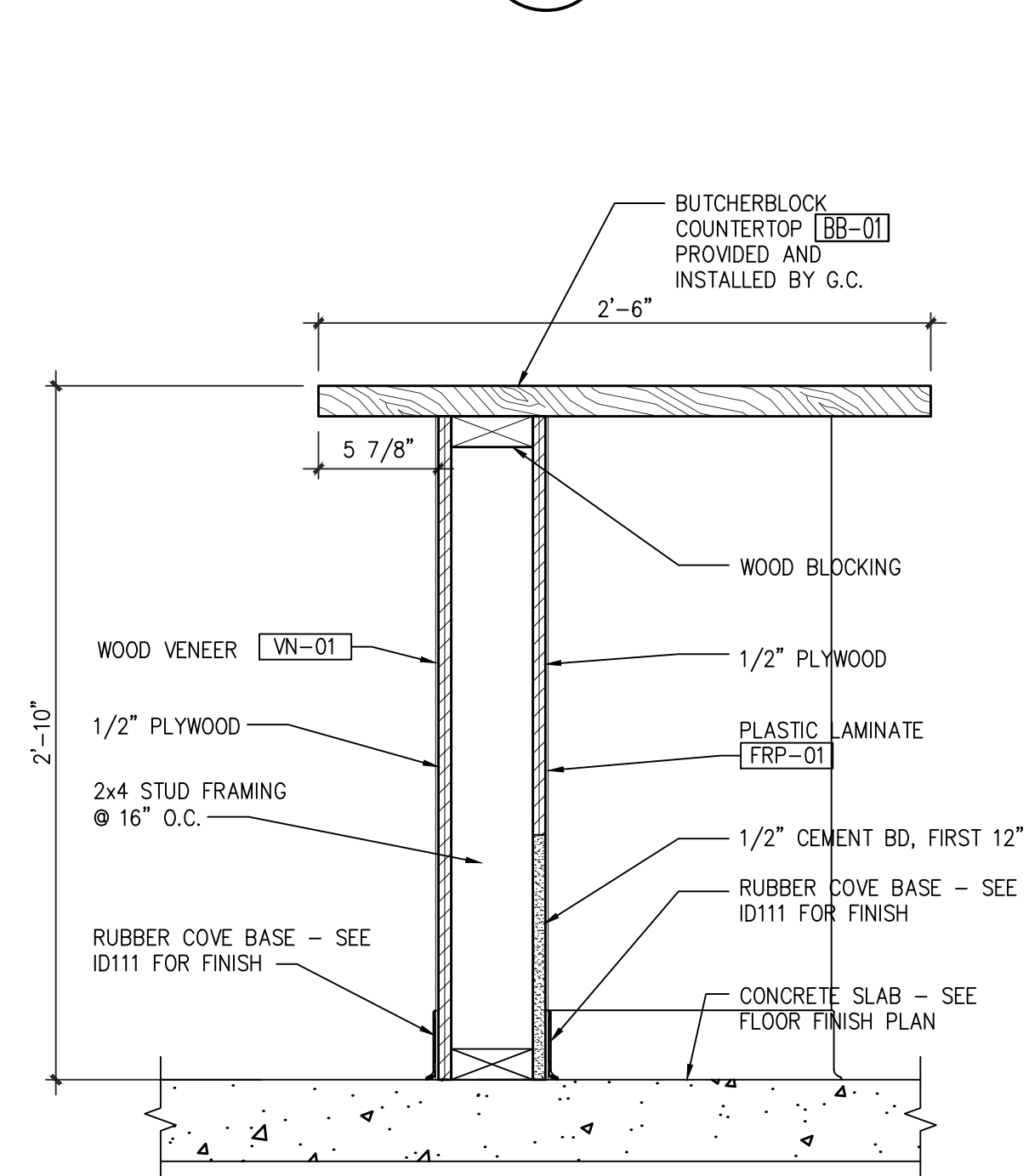
SEATING AREAS, TOILETS AND VESTIBULE:
1/2" GYPSUM BOARD
1/2" CEMENT BOARD (WHERE TILE IS USED)

BACK ROOM AND MECHANICAL:
1/2" MIN. PLYWOOD
1/2" CEMENT BOARD FIRST 12"

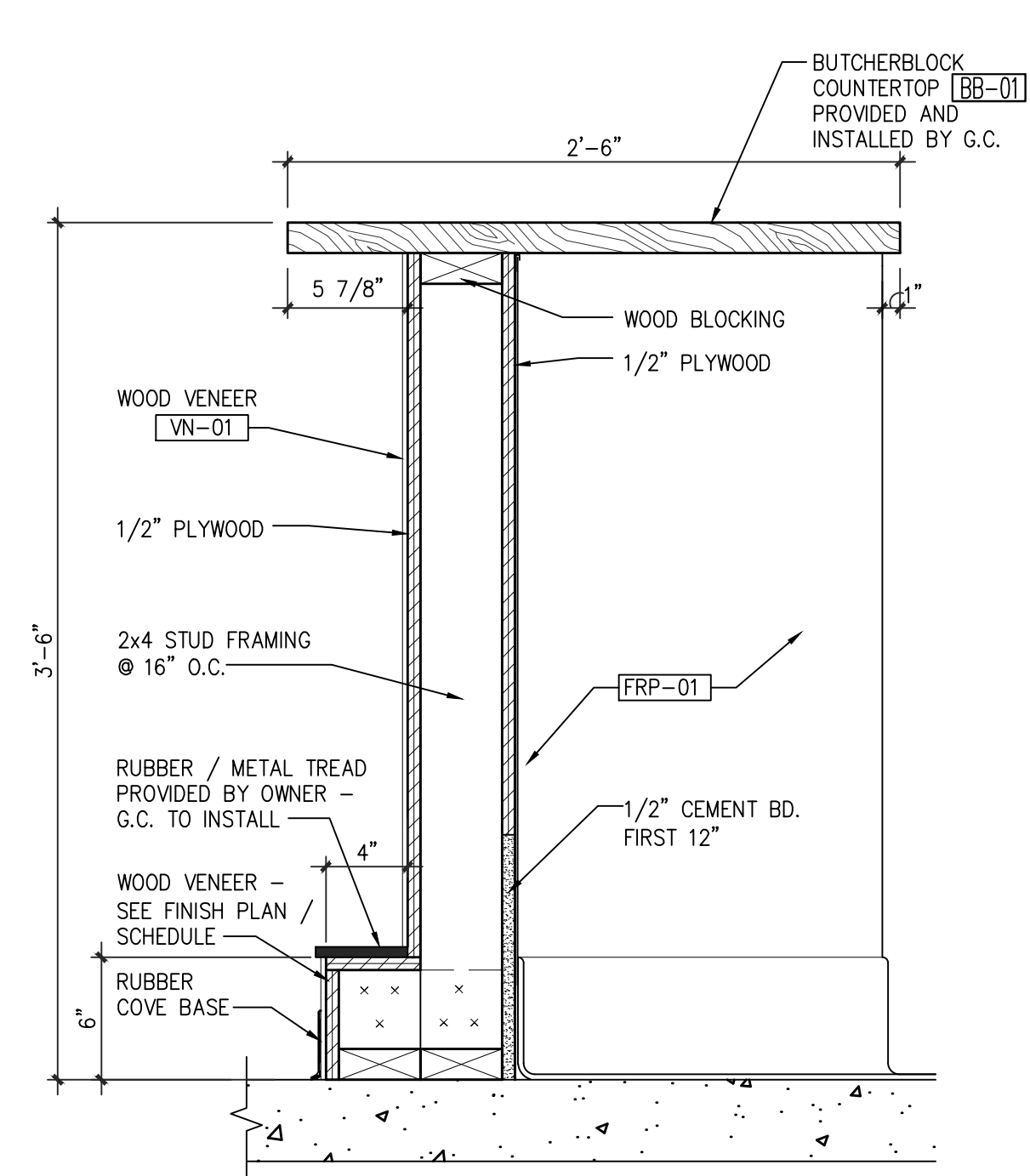
8 TYPICAL INTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



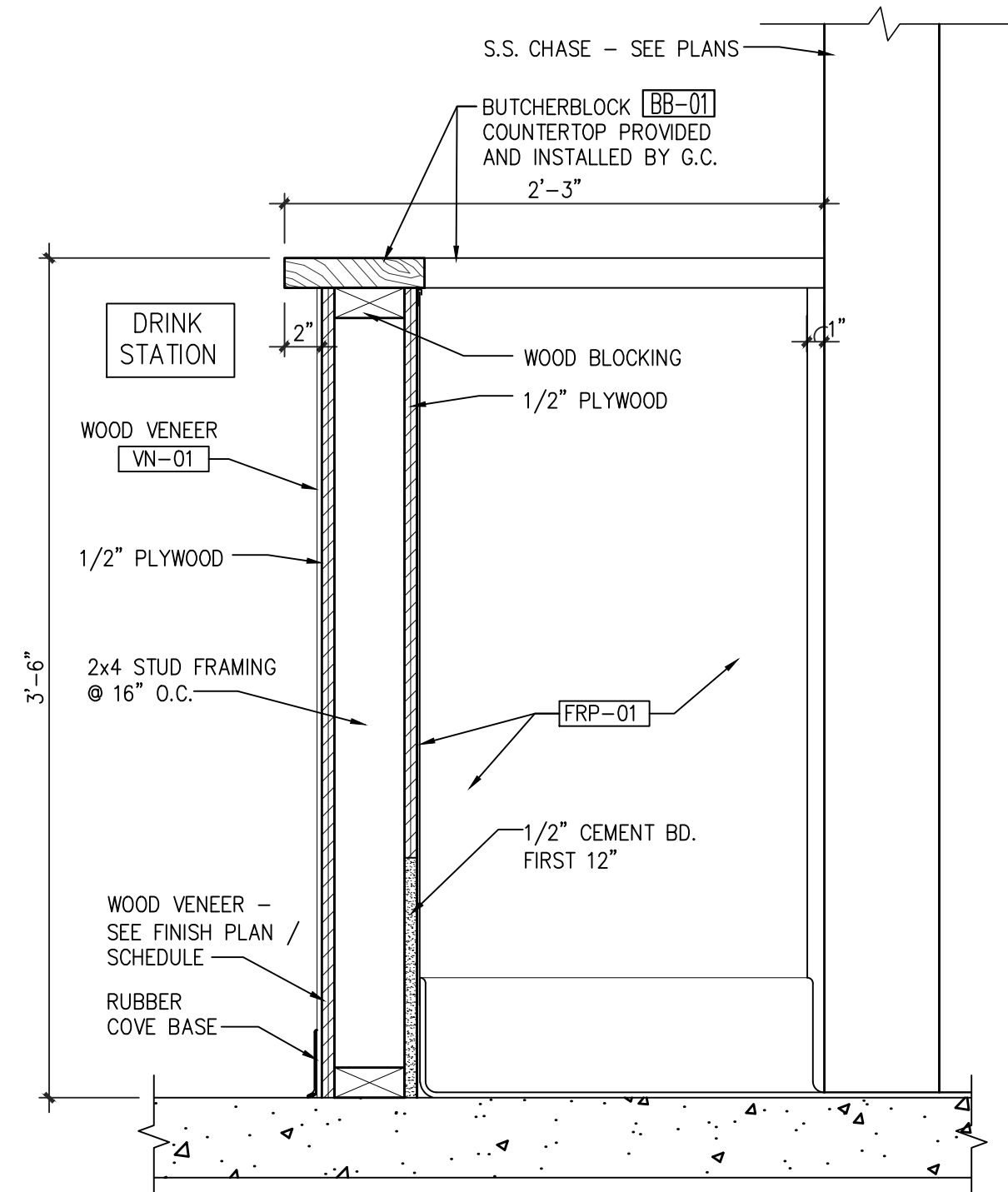
4 PICK-UP COUNTER DETAIL
SCALE: 1" = 1'-0"



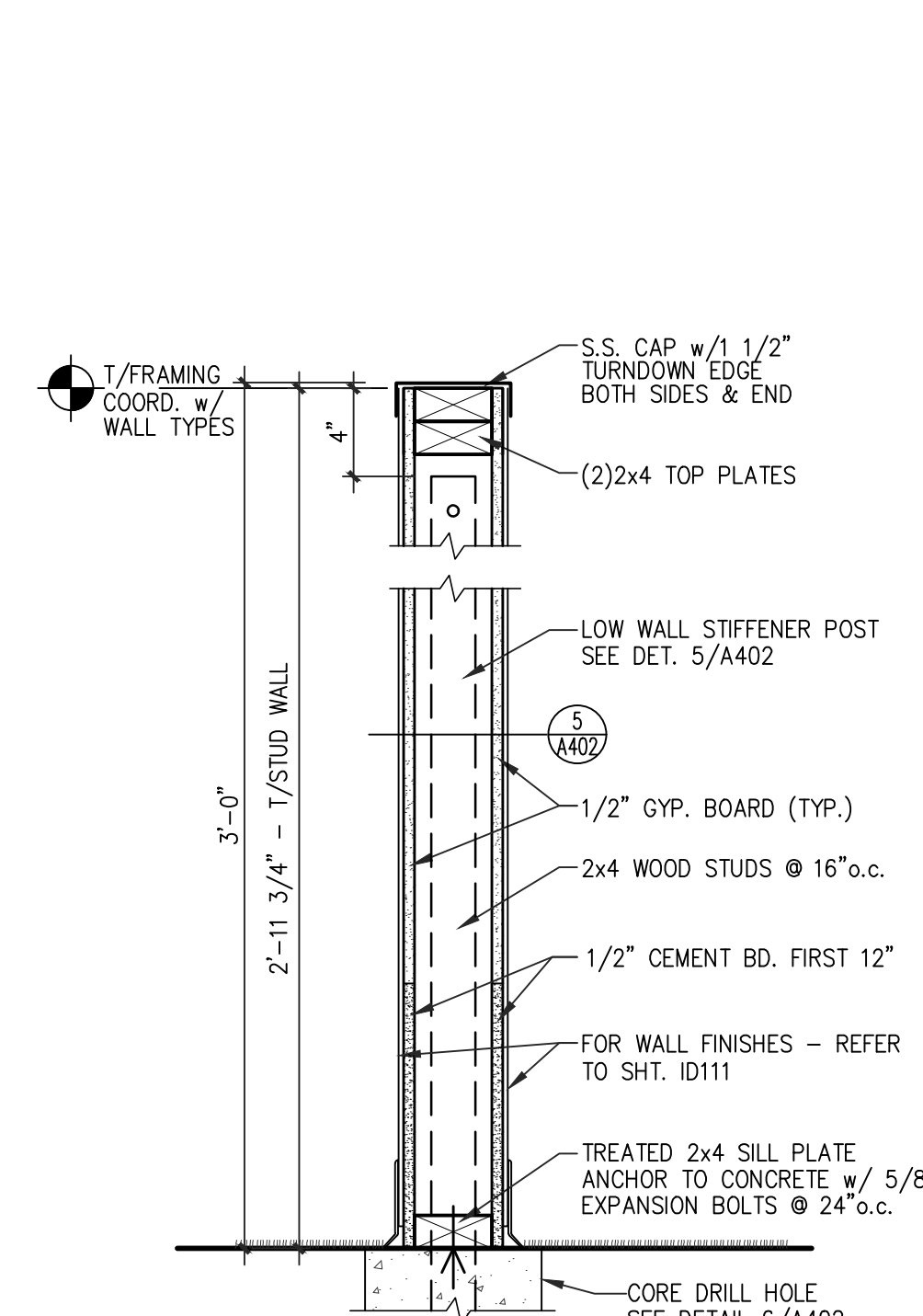
3 BAR COUNTER - ADA SECTION
SCALE: 1 1/2" = 1'-0"



2 BAR COUNTER - SECTION
SCALE: 1 1/2" = 1'-0"

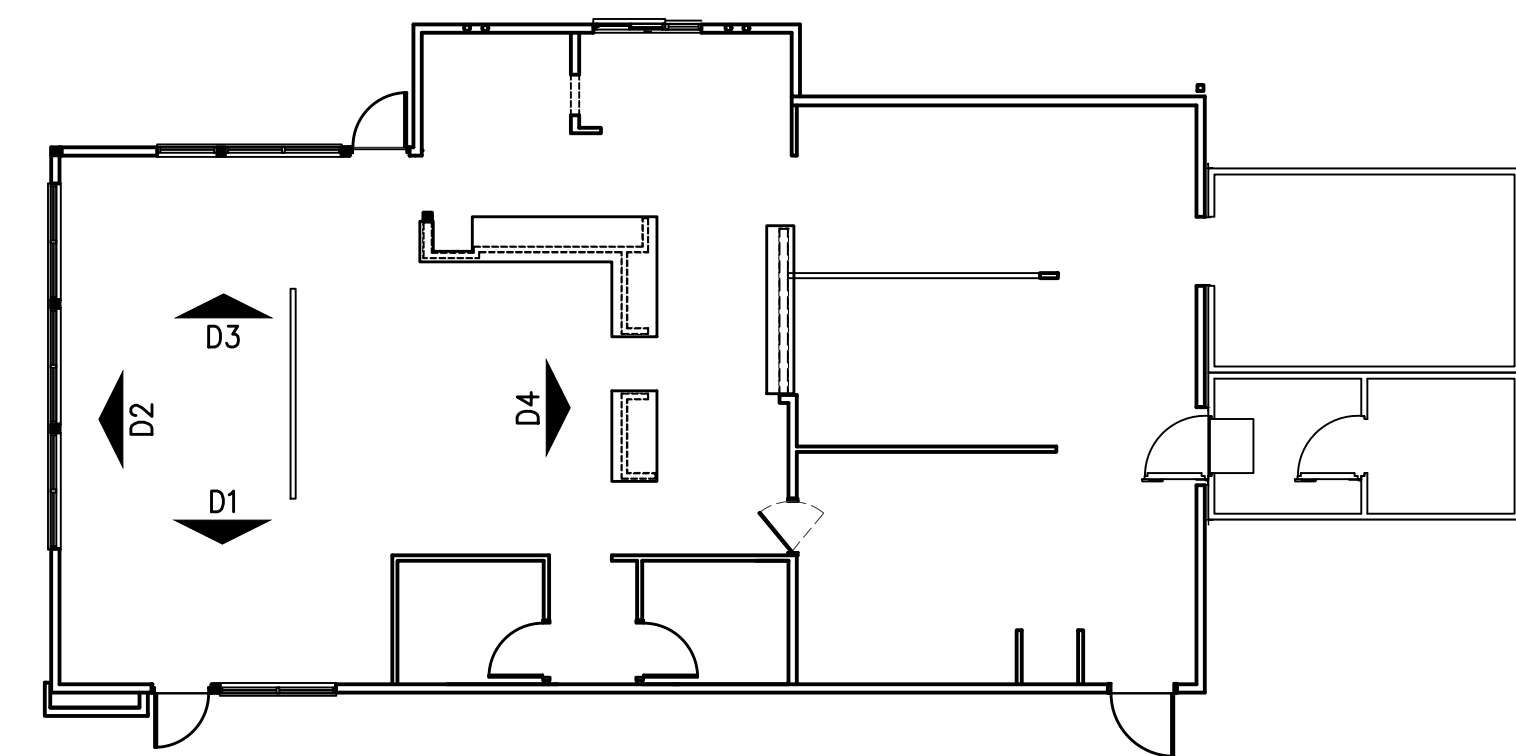
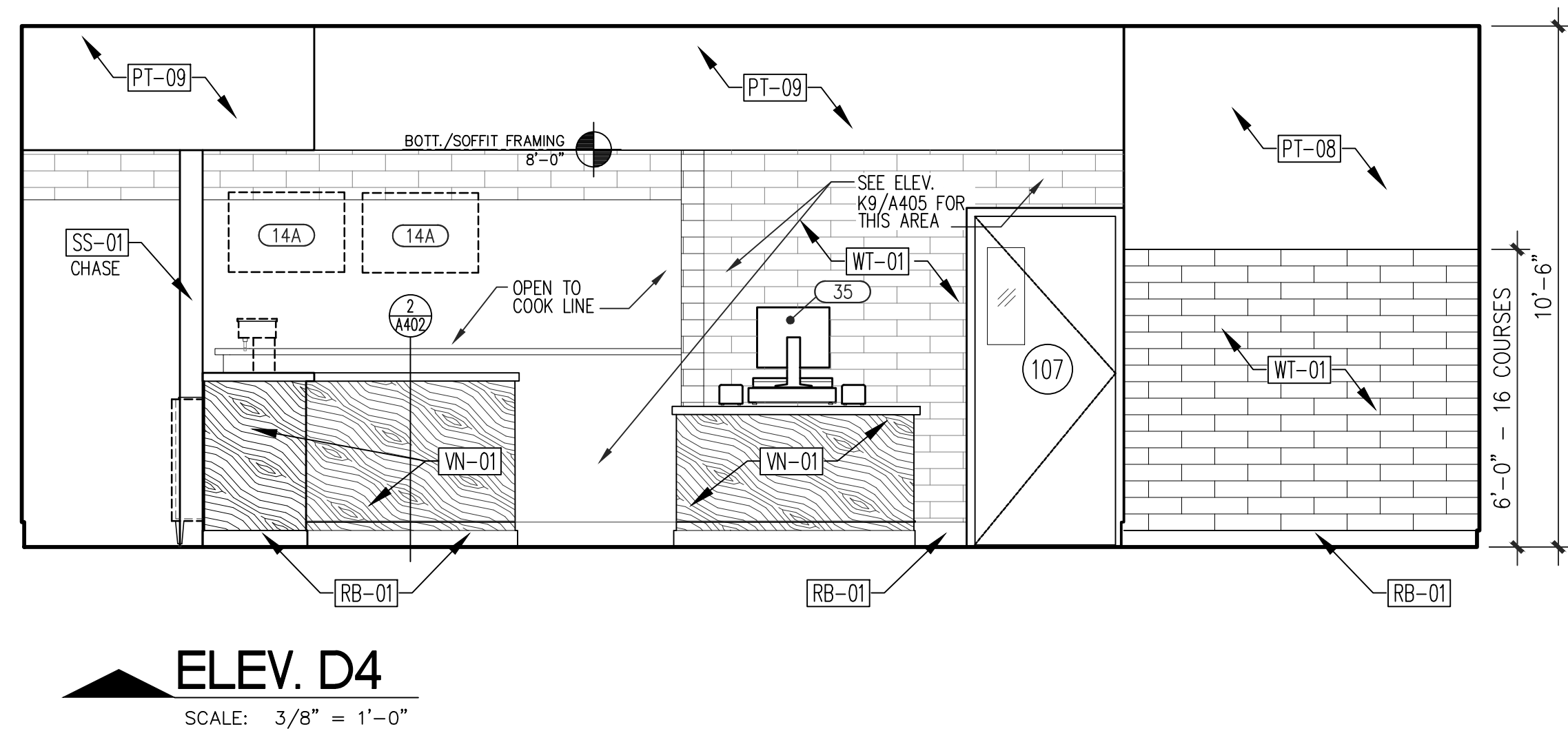
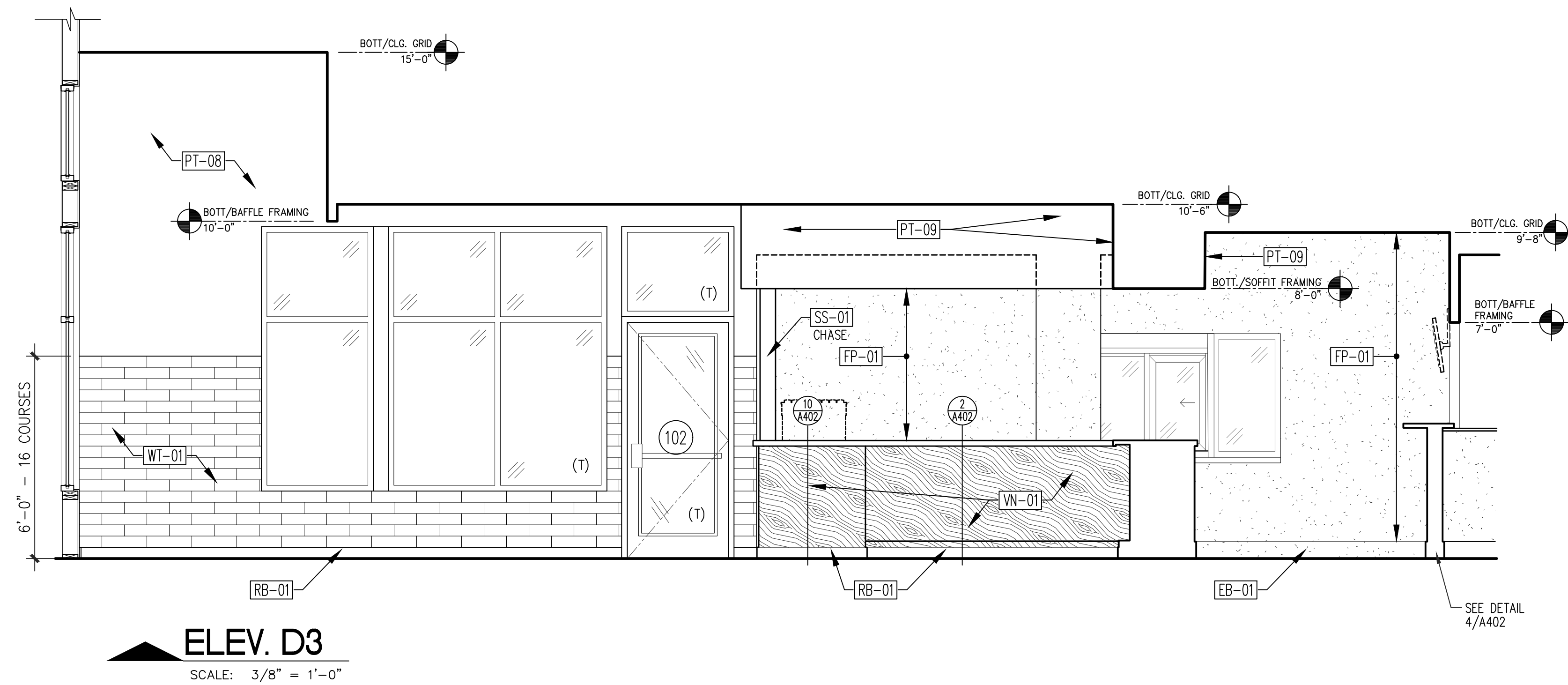
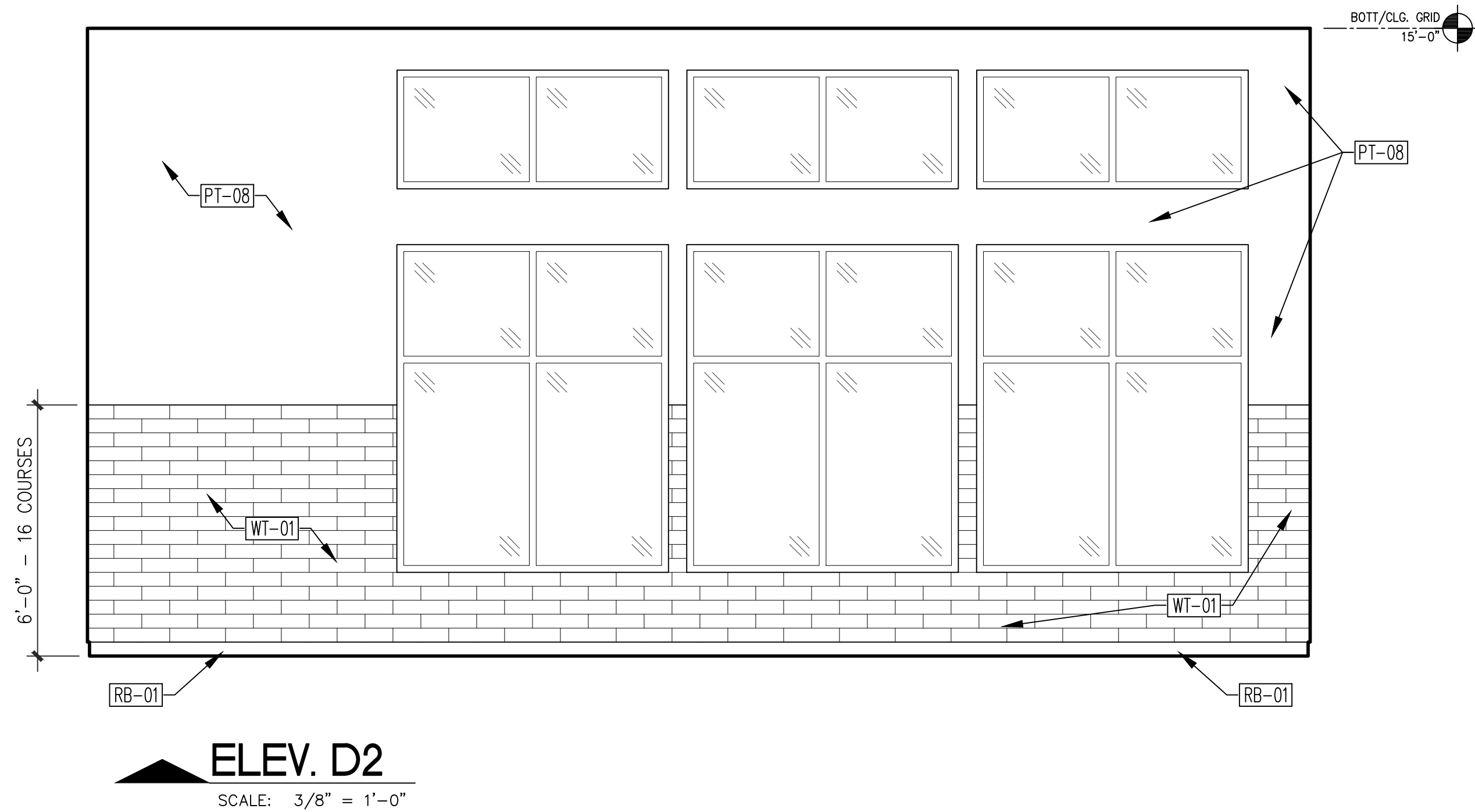
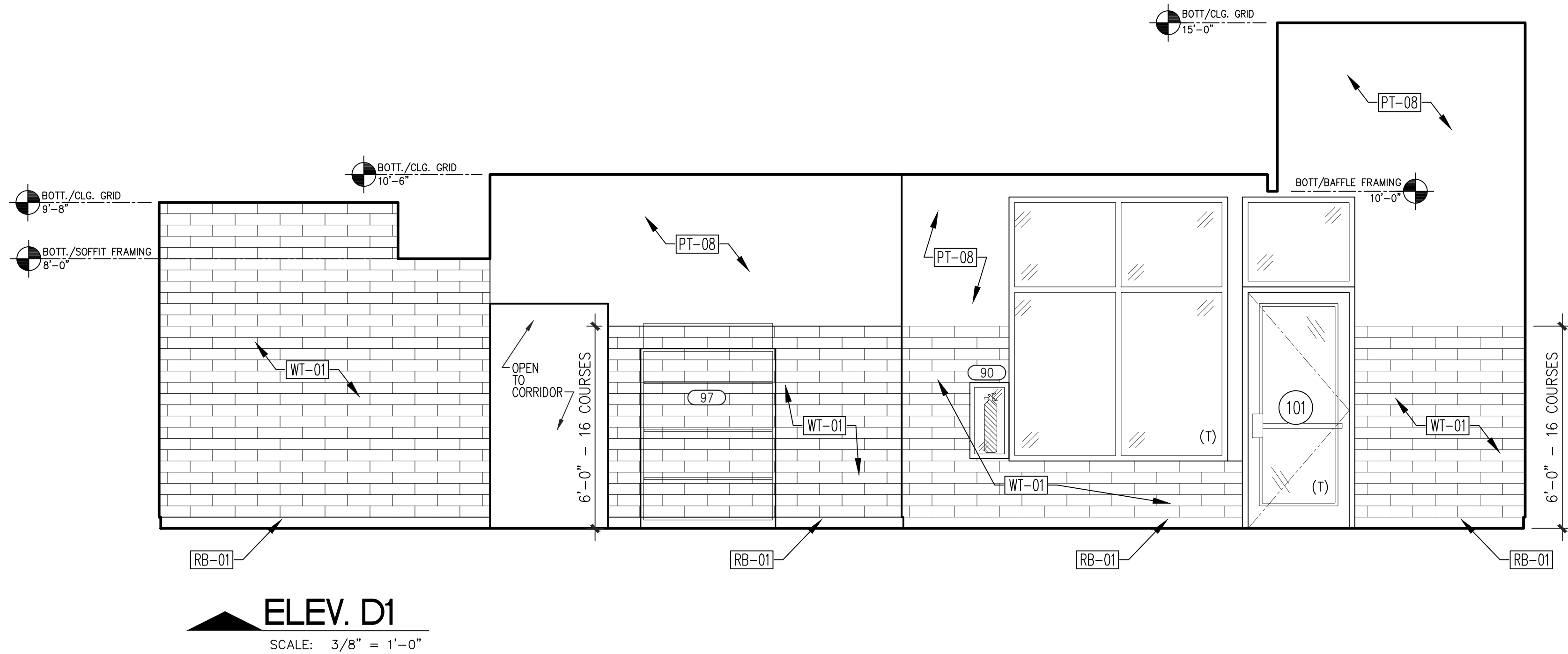


10 BAR COUNTER - SECTION
SCALE: 1 1/2" = 1'-0"



9 LOW WALL • COOKLINE
SCALE: 1 1/2" = 1'-0"

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Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:29pm



KEY PLAN

NOT TO SCALE
SEE SHEETS A404 & A405 FOR ADDITIONAL INTERIOR ELEVATIONS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By
CDK

Checked By
GRL

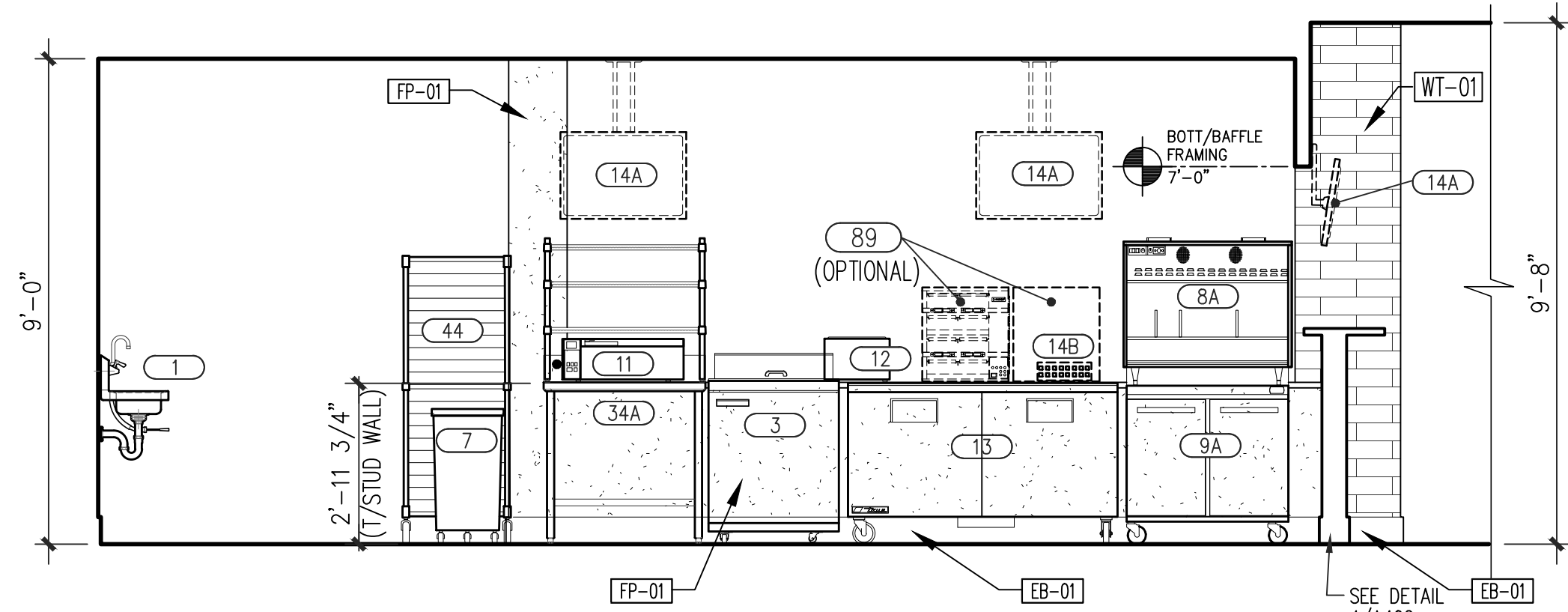
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A403



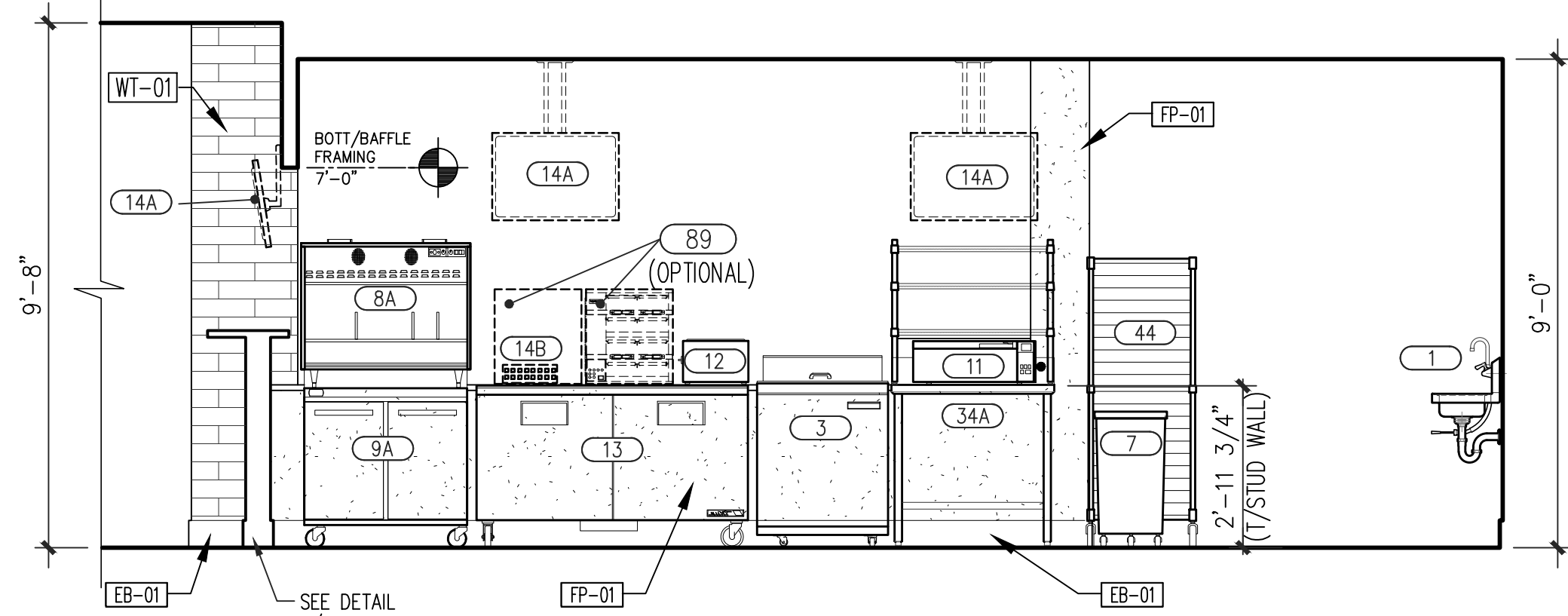
NOT TO SCALE
SEE SHEETS A403 & A405 FOR ADDITIONAL INTERIOR ELEVATIONS

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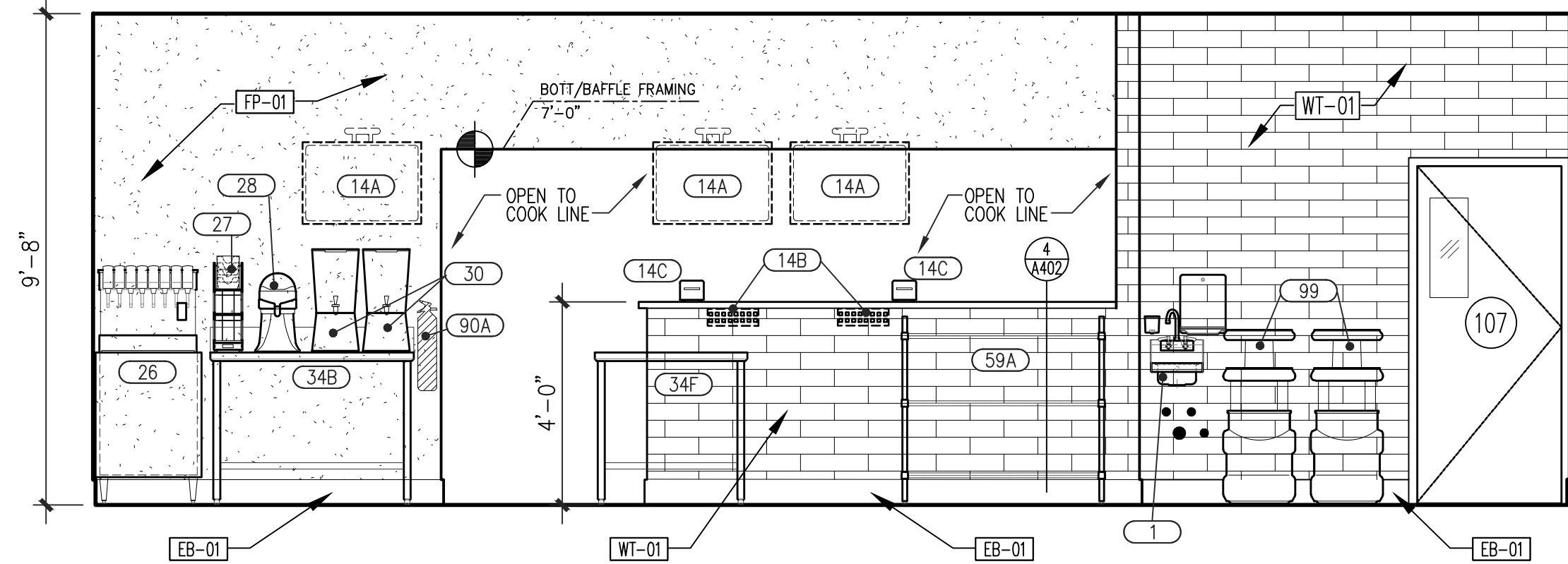
ELEV. K7

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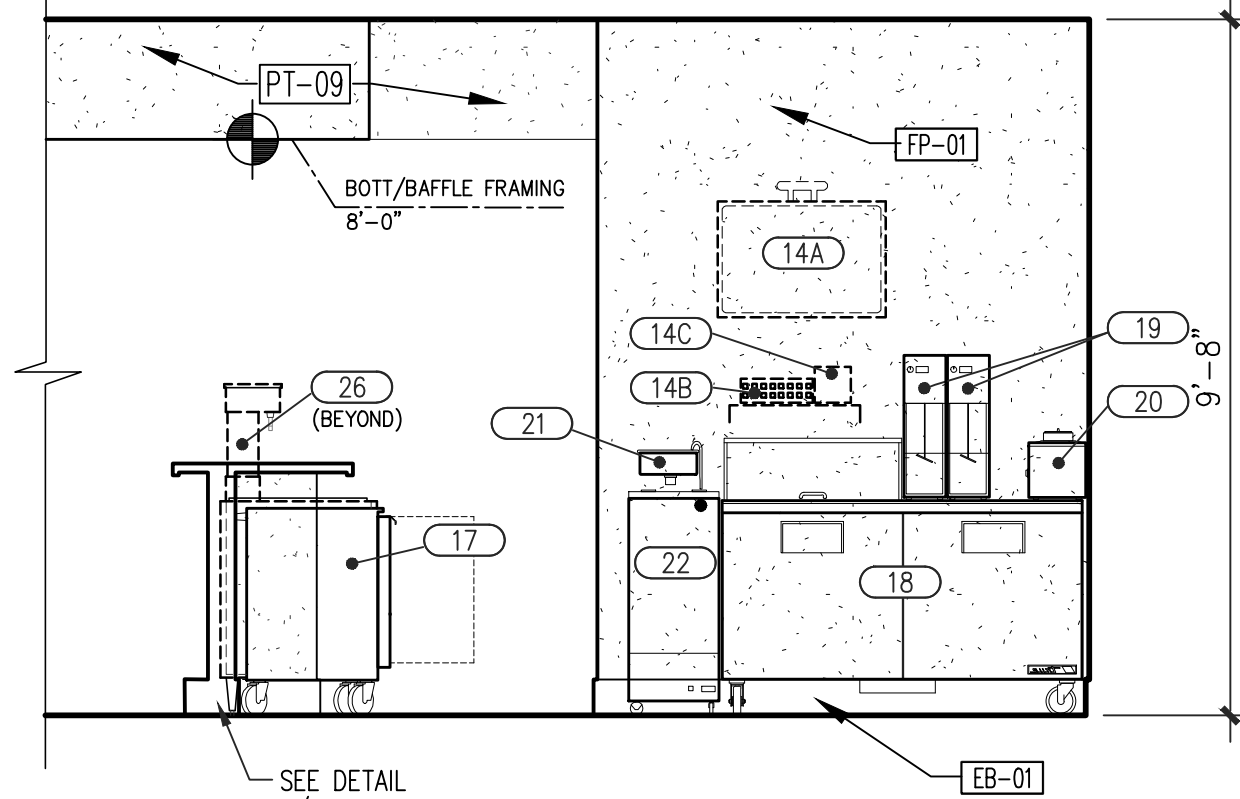
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SCALE: 3/8" = 1'-0"



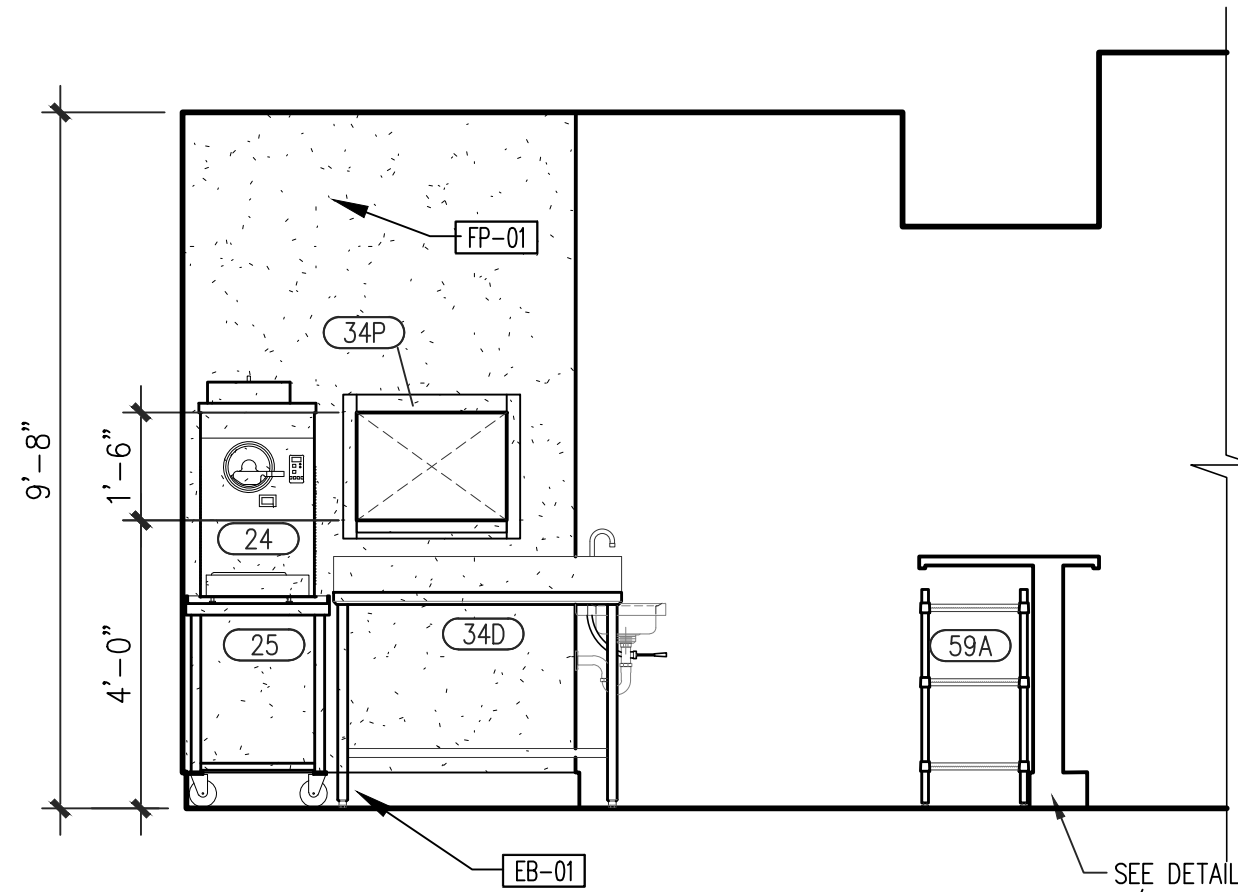
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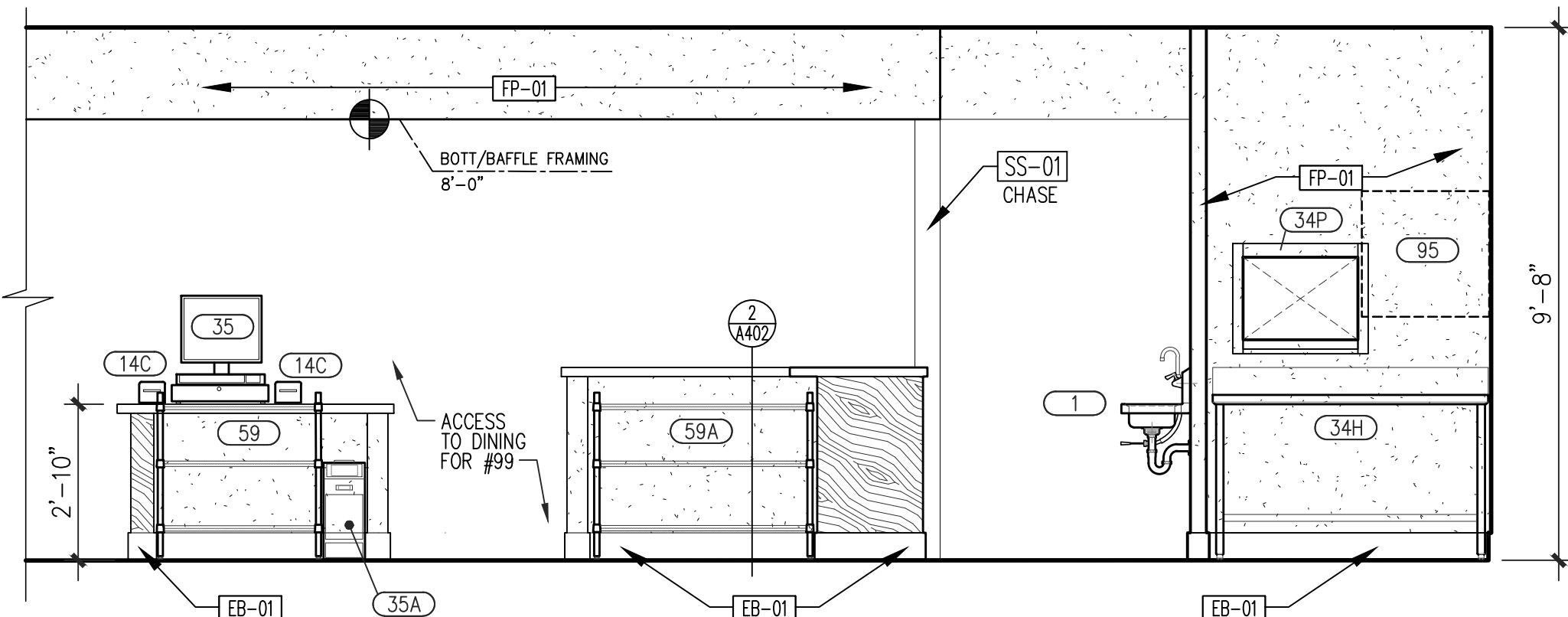
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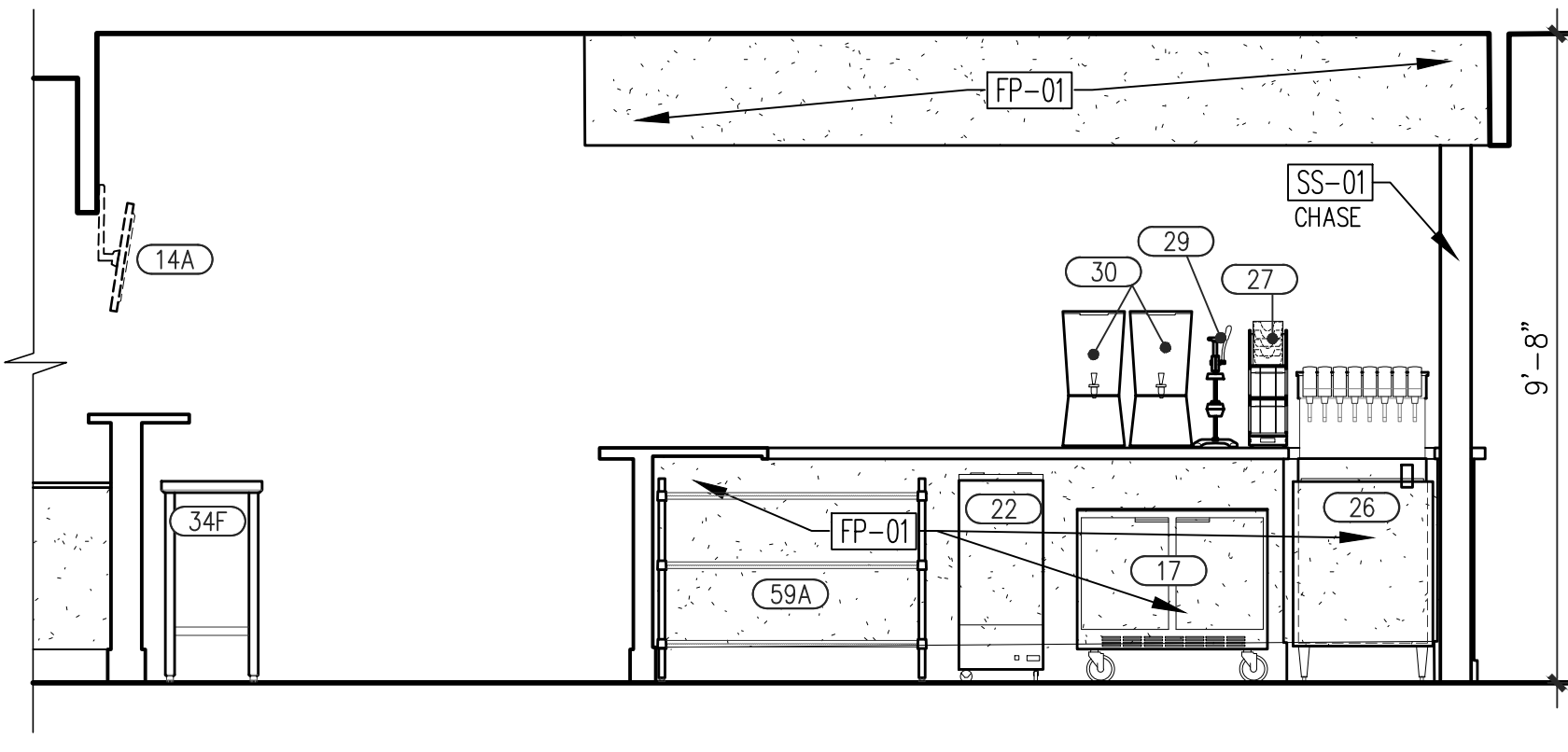
ELEV. K11

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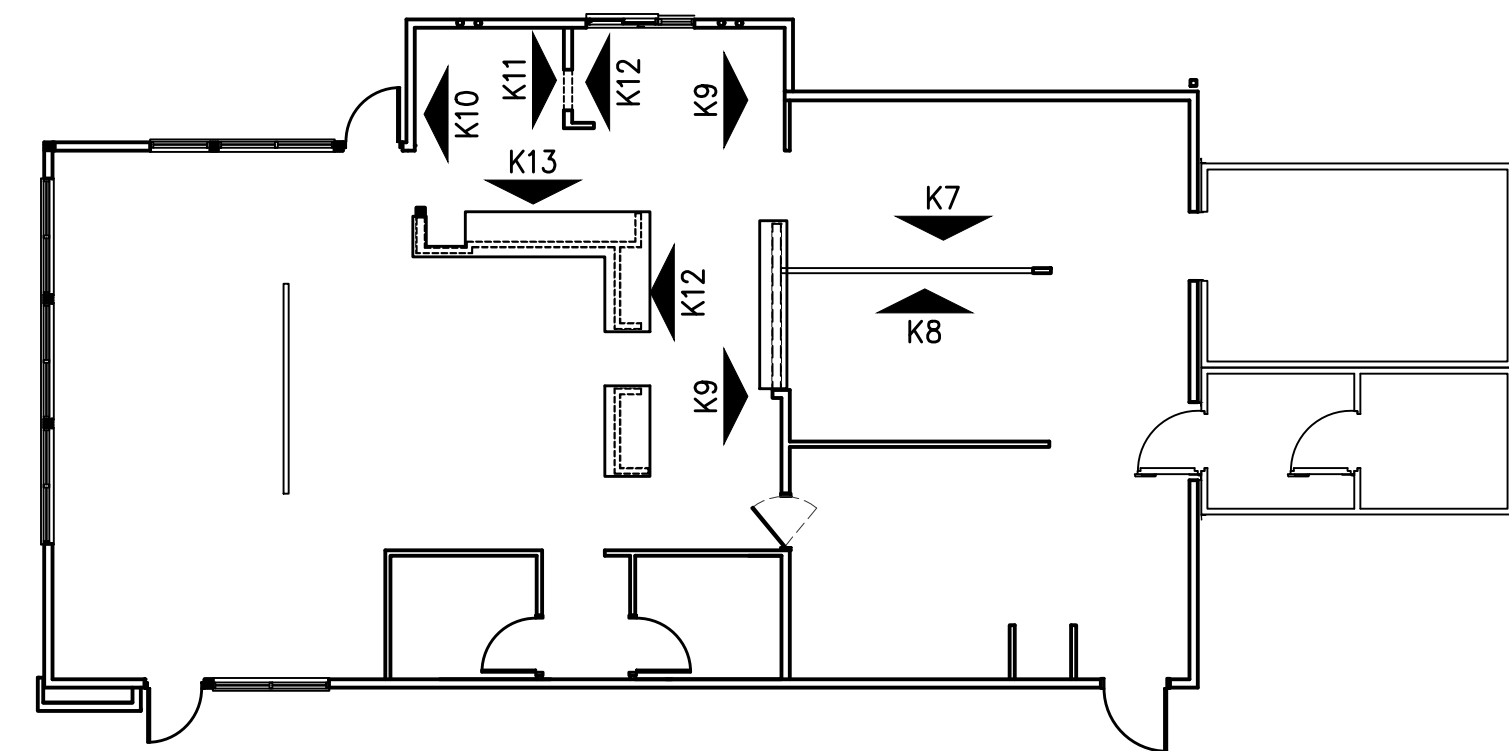
ELEV. K12

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



ELEV. K13

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



KEY PLAN

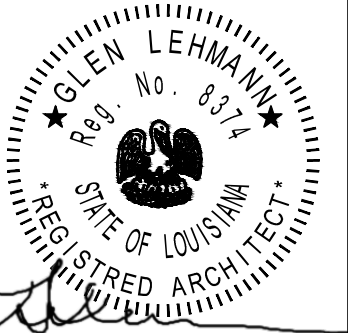
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SEE SHEETS A403 & A404 FOR ADDITIONAL INTERIOR ELEVATIONS

LHMT Project No. 23047.00

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7/10/23

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: INTERIOR ELEVATIONS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

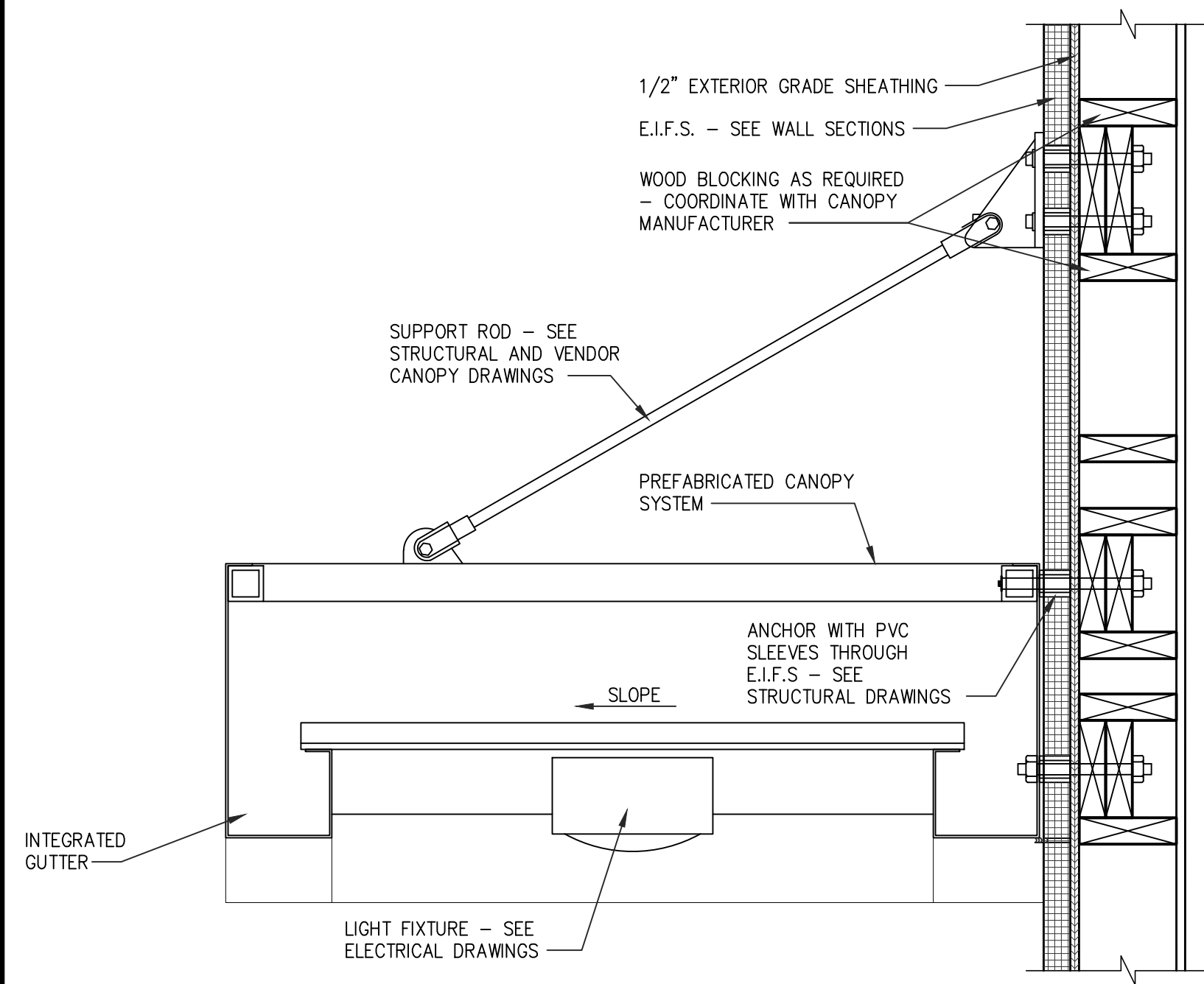
Drawn By
CDK

Checked By
GRL

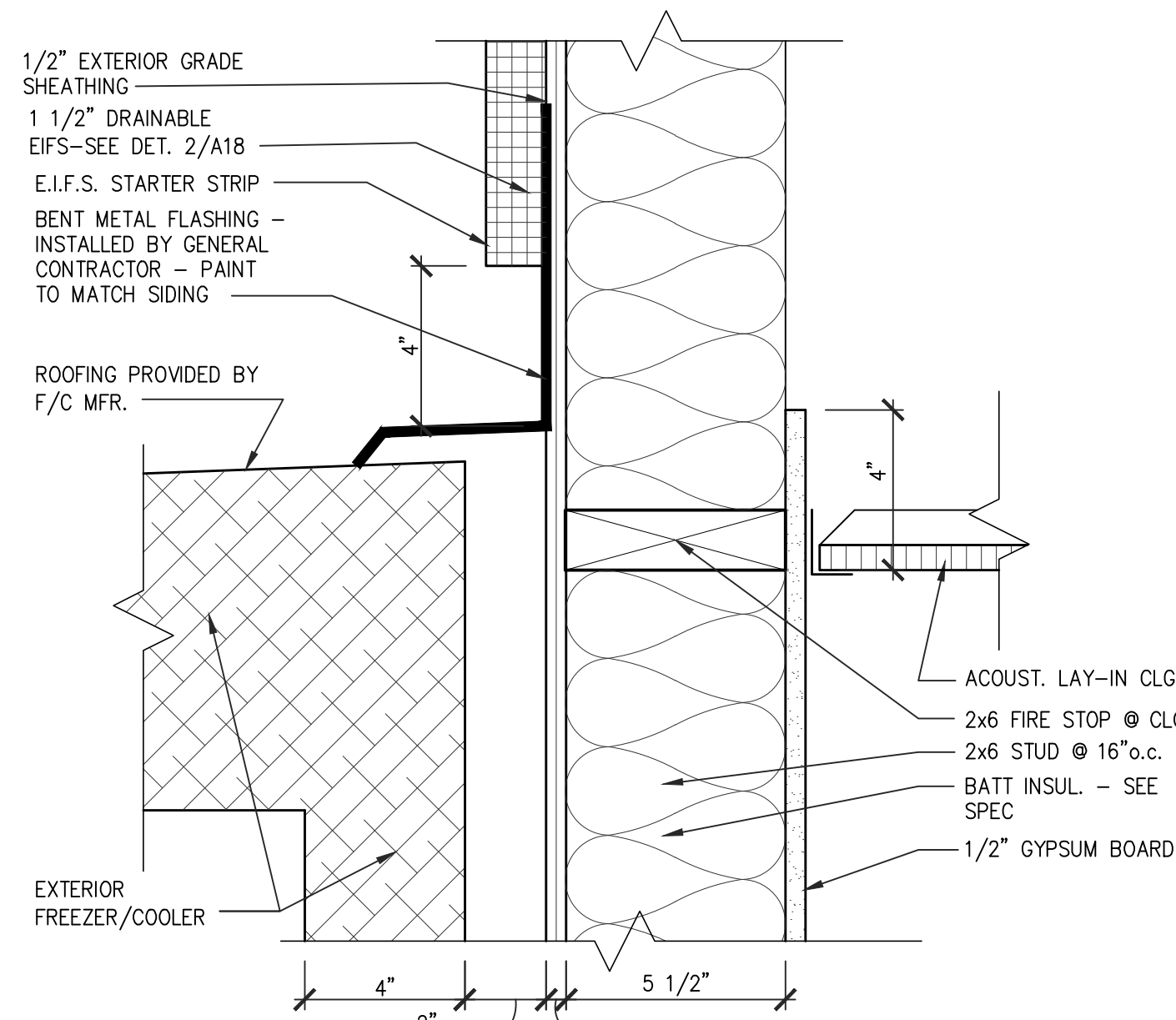
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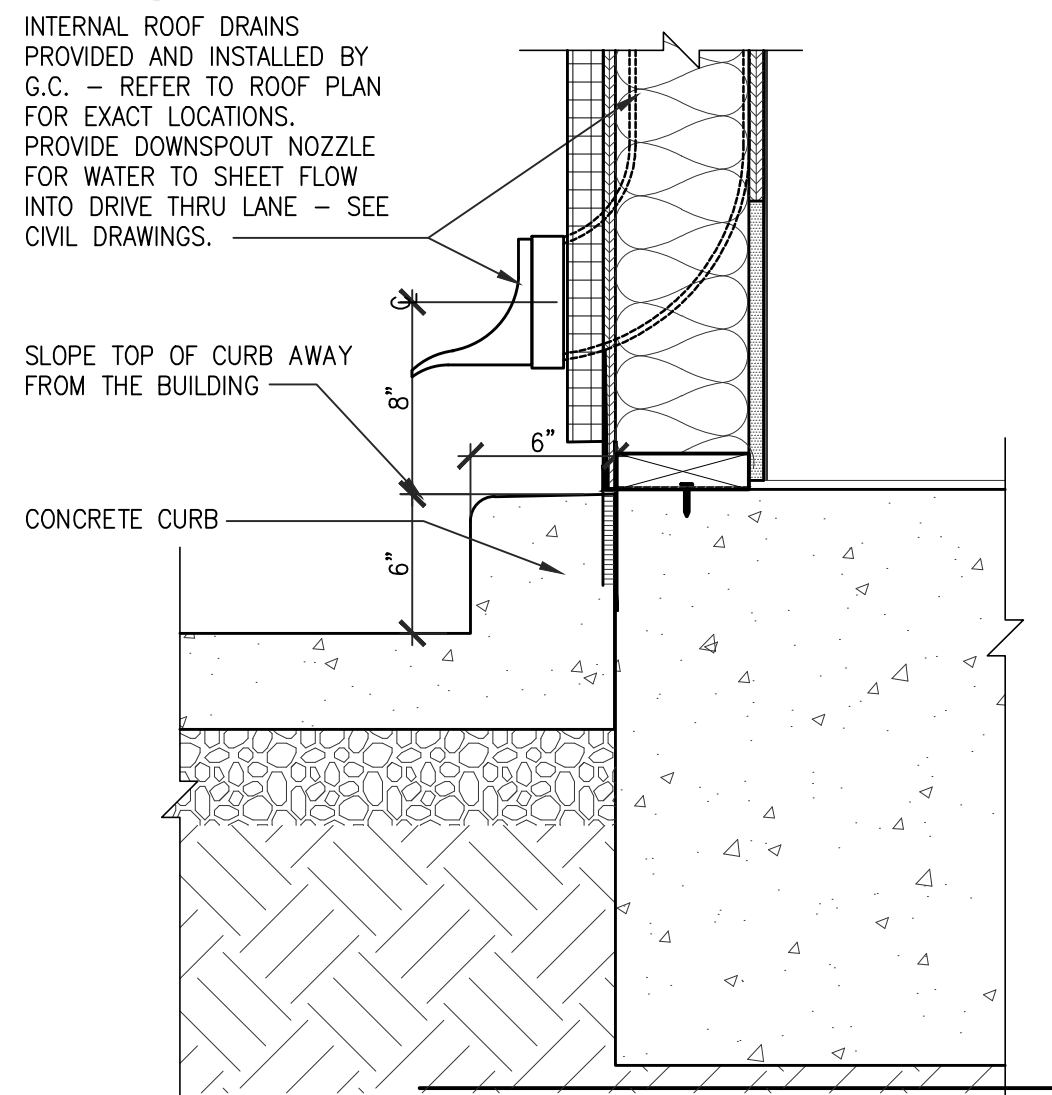
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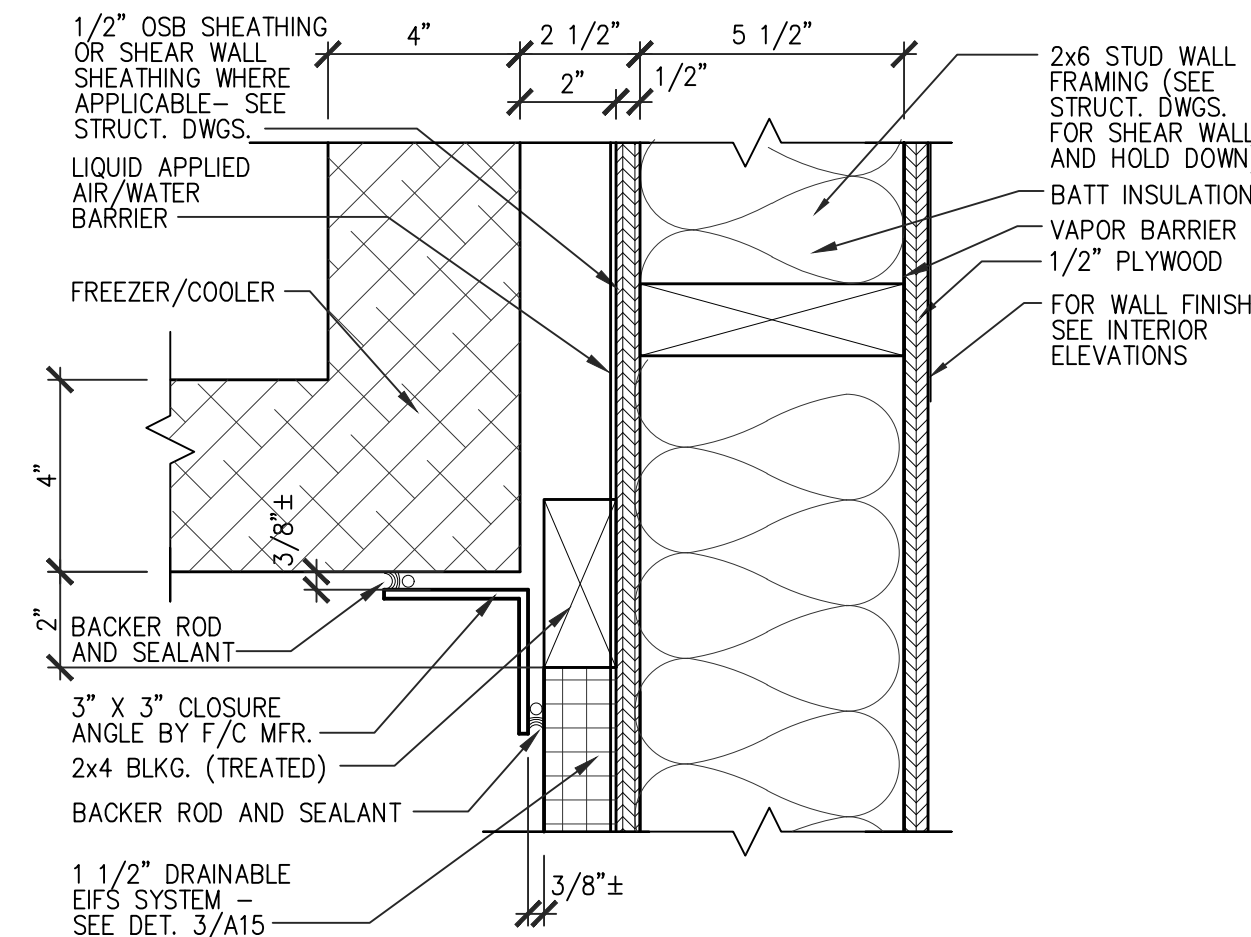
10 HANGER ROD CANOPY
SCALE: 1 1/2" = 1'-0"



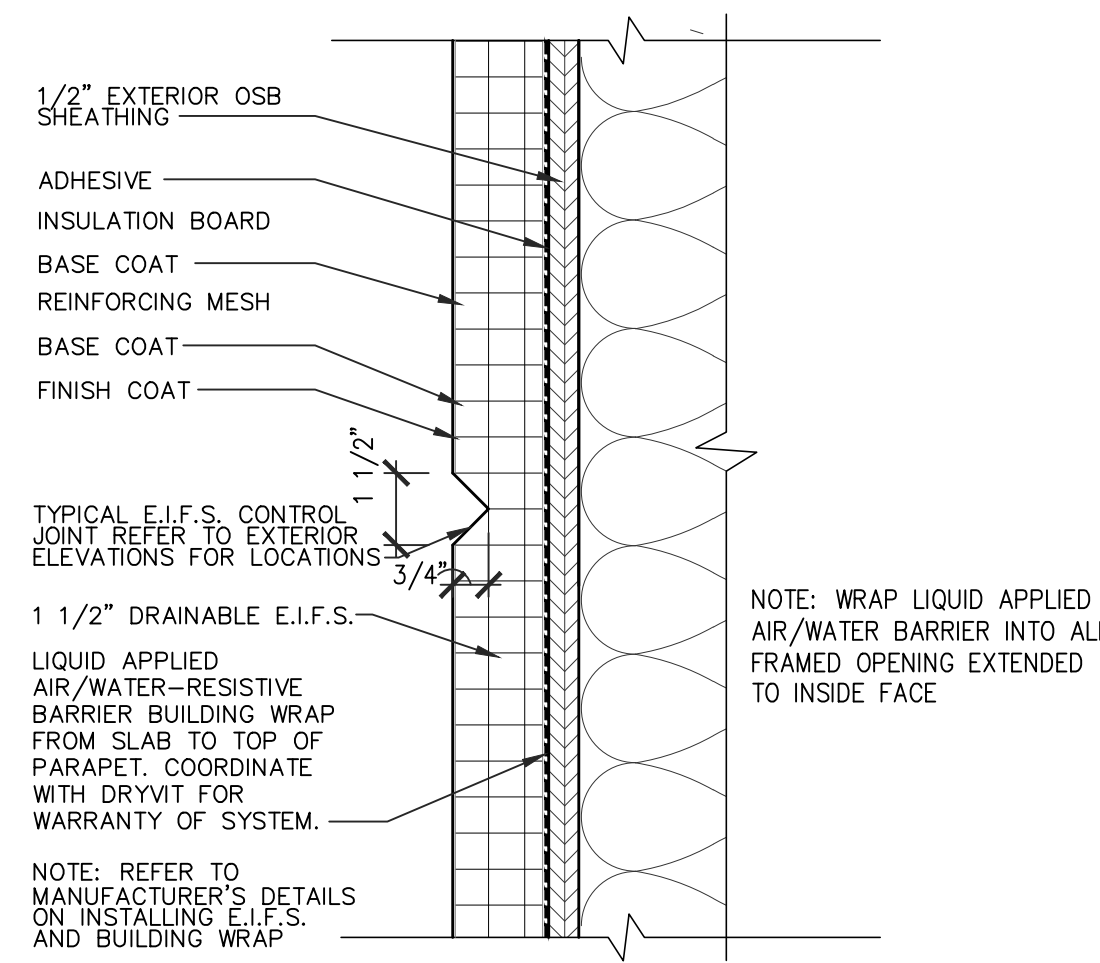
11 COOLER/FREEZER CONNECTION AT HEAD
SCALE: 3" = 1'-0"



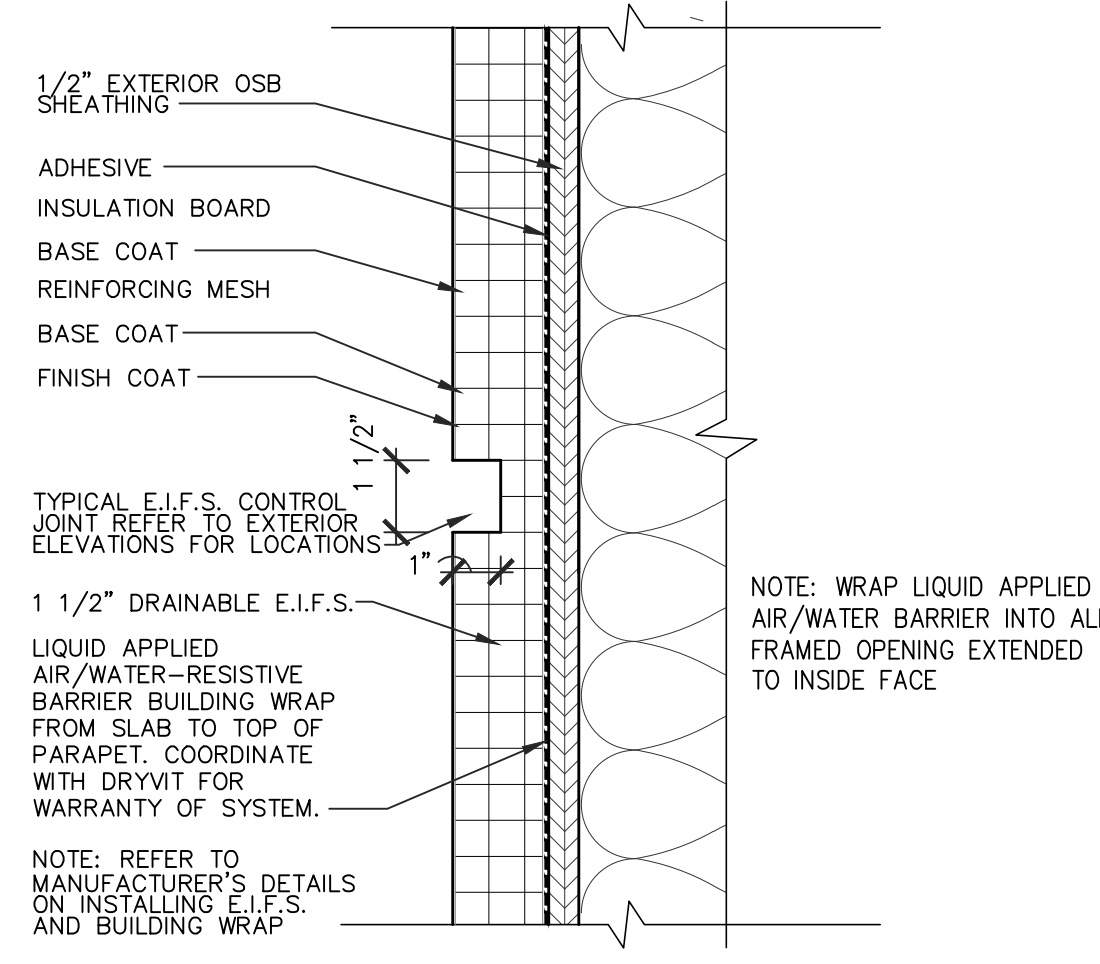
12 TYPICAL ROOF DRAIN
SCALE: 3" = 1'-0"



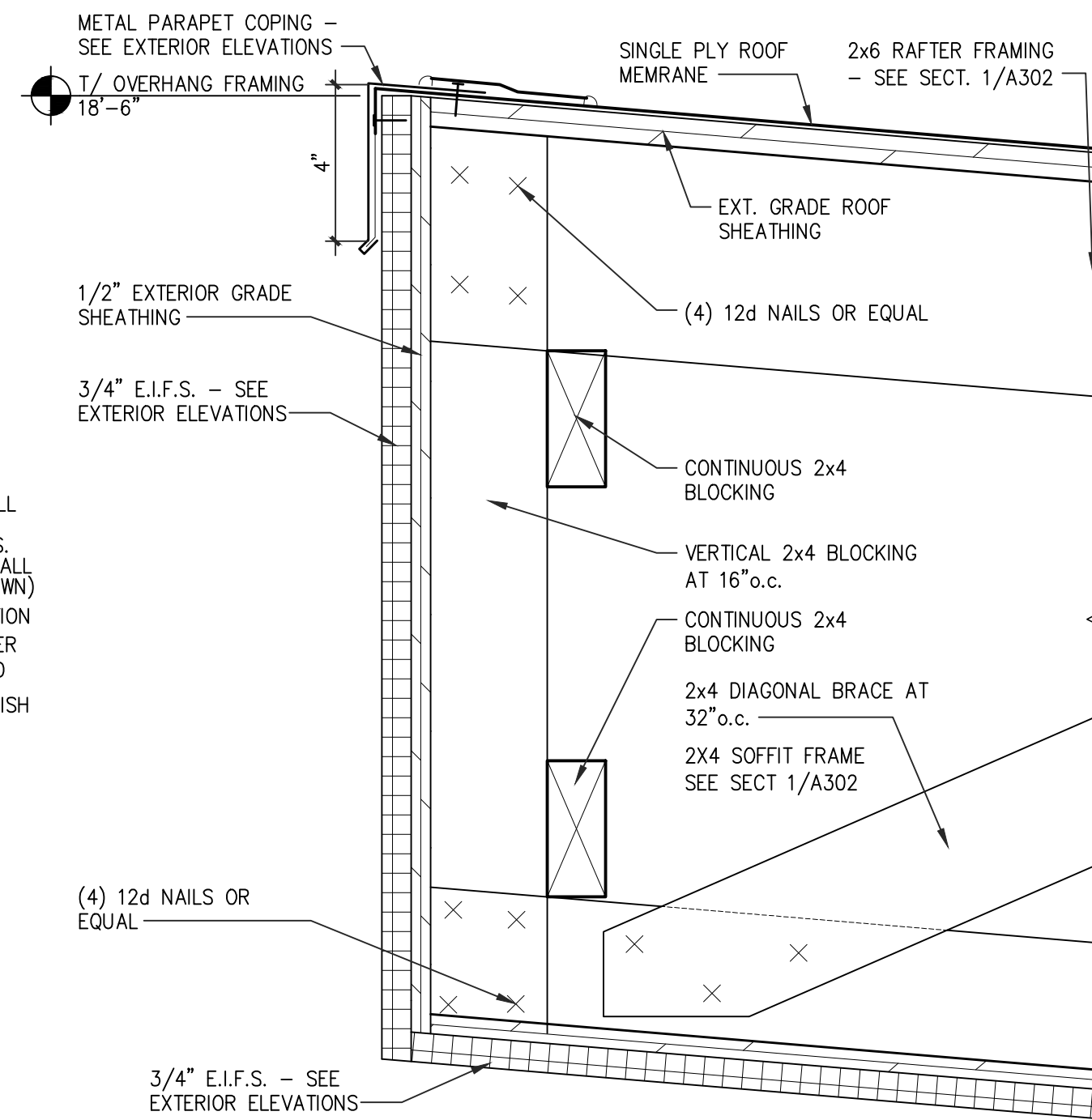
7 COOLER/FREEZER CONNECTION AT WALL
SCALE: 3" = 1'-0"



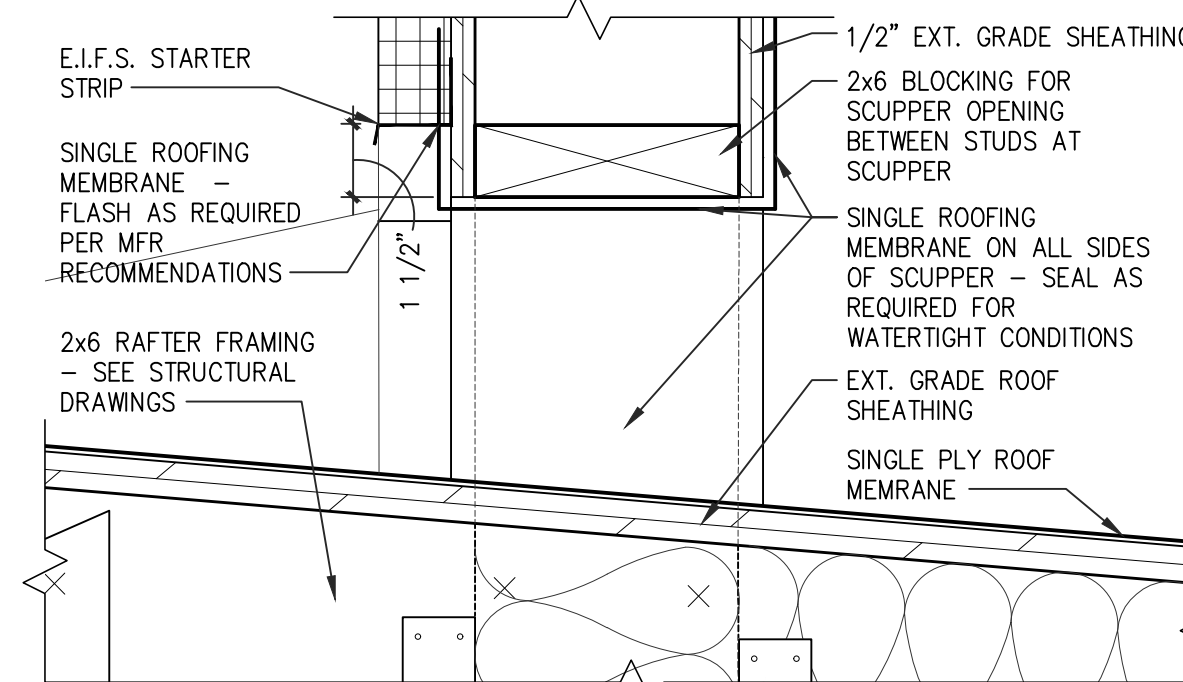
8 E.I.F.S. 'V GROOVE' DETAIL
SCALE: 3" = 1'-0"



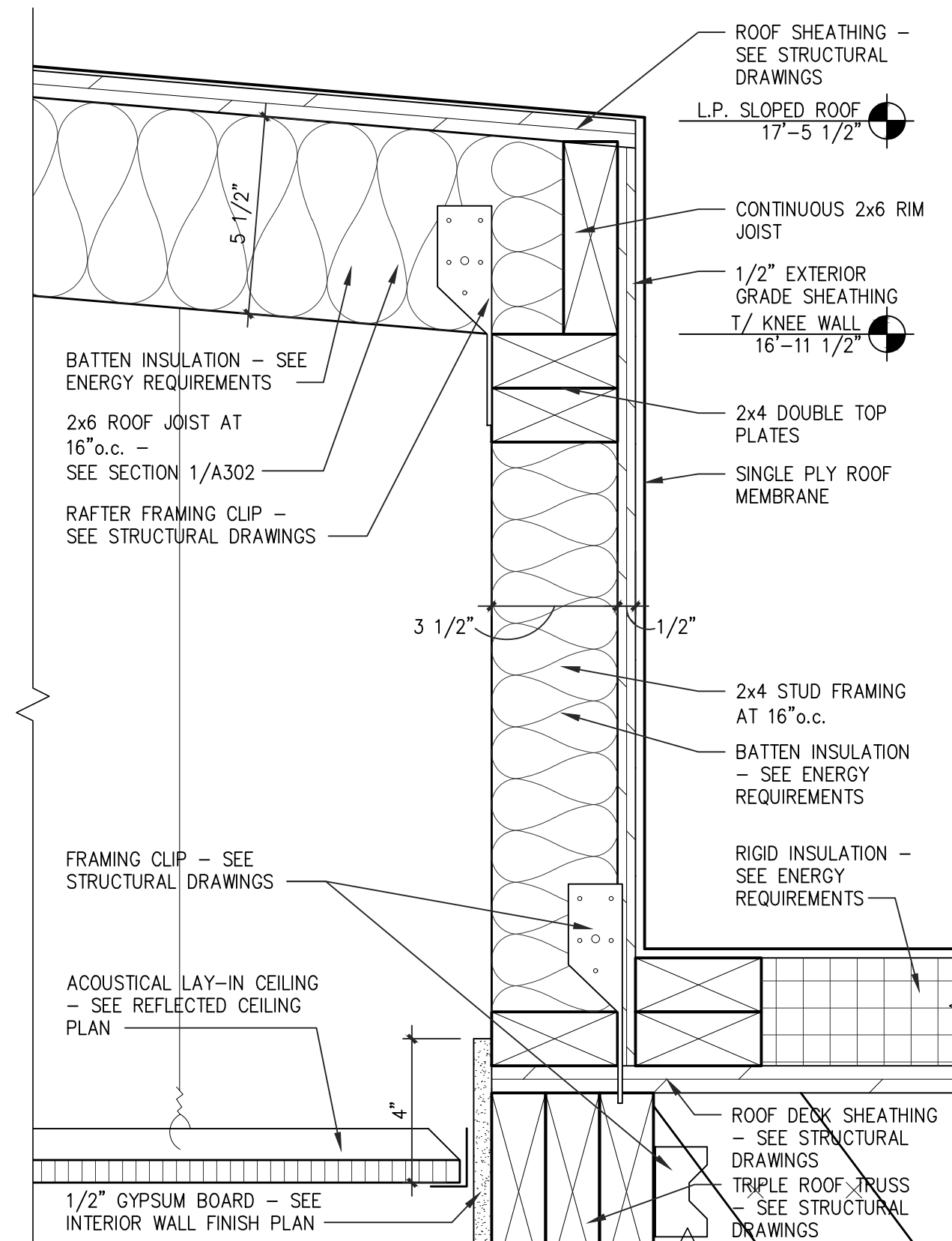
9 E.I.F.S. 'SQUARE GROOVE' DETAIL
SCALE: 3" = 1'-0"



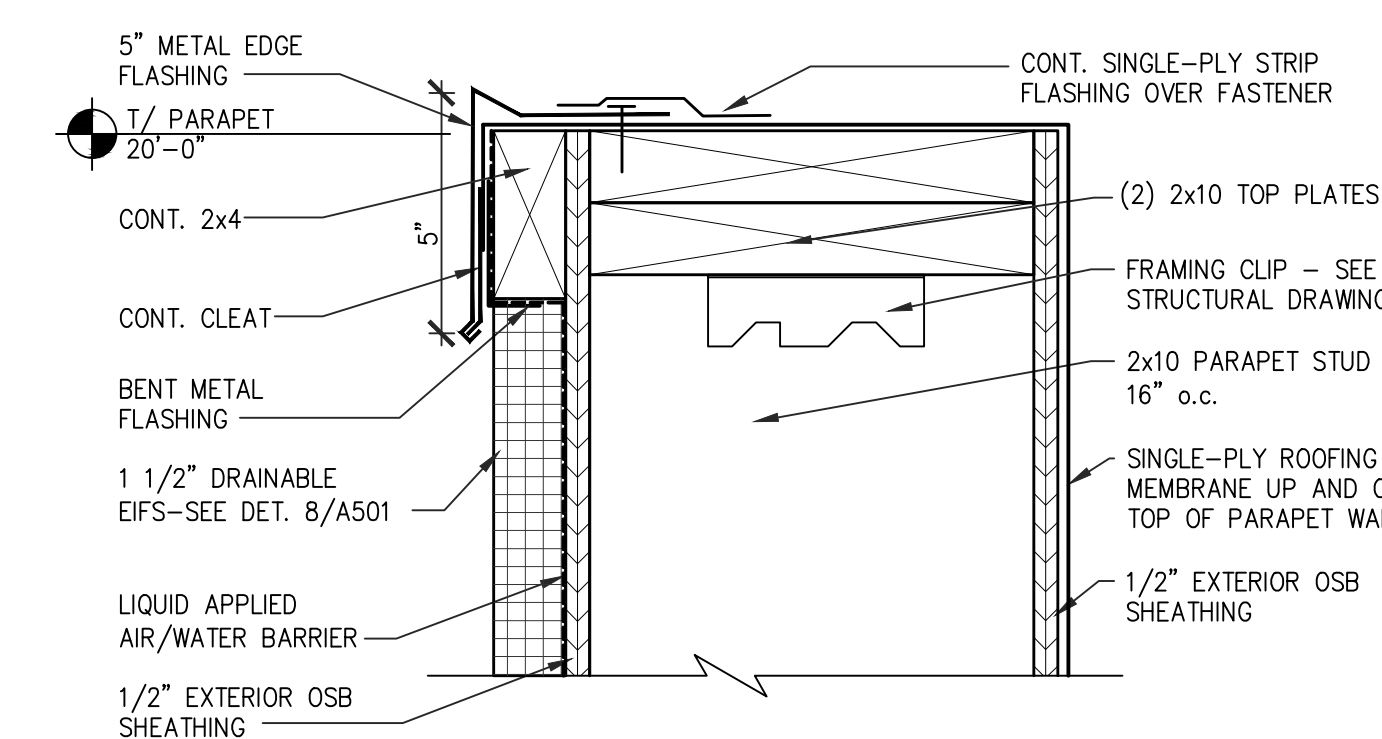
4 SLOPED ROOF FASCIA
SCALE: 3" = 1'-0"



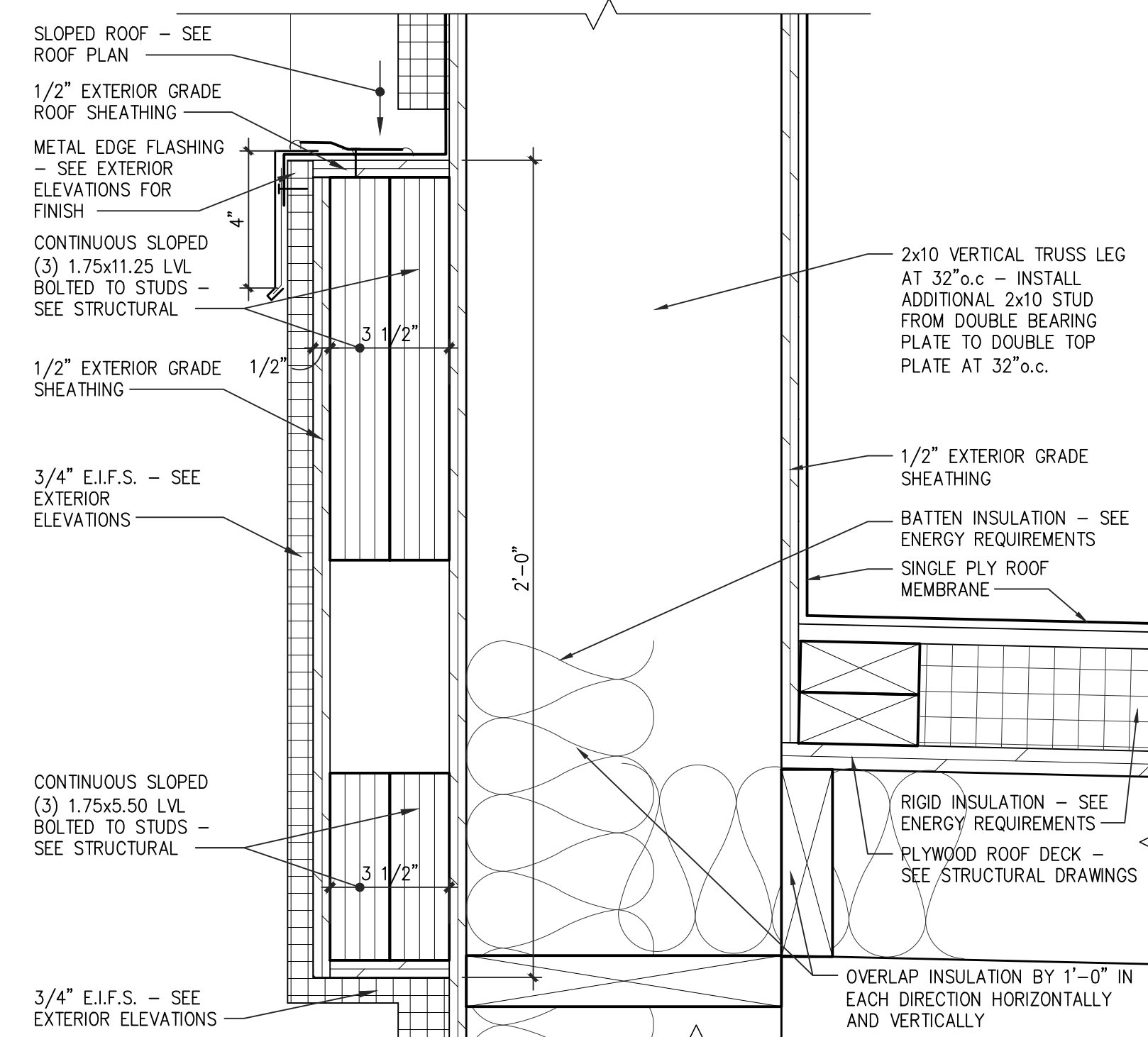
5 PARAPET SUPPER AT UPPER SLOPED ROOF
SCALE: 3" = 1'-0"



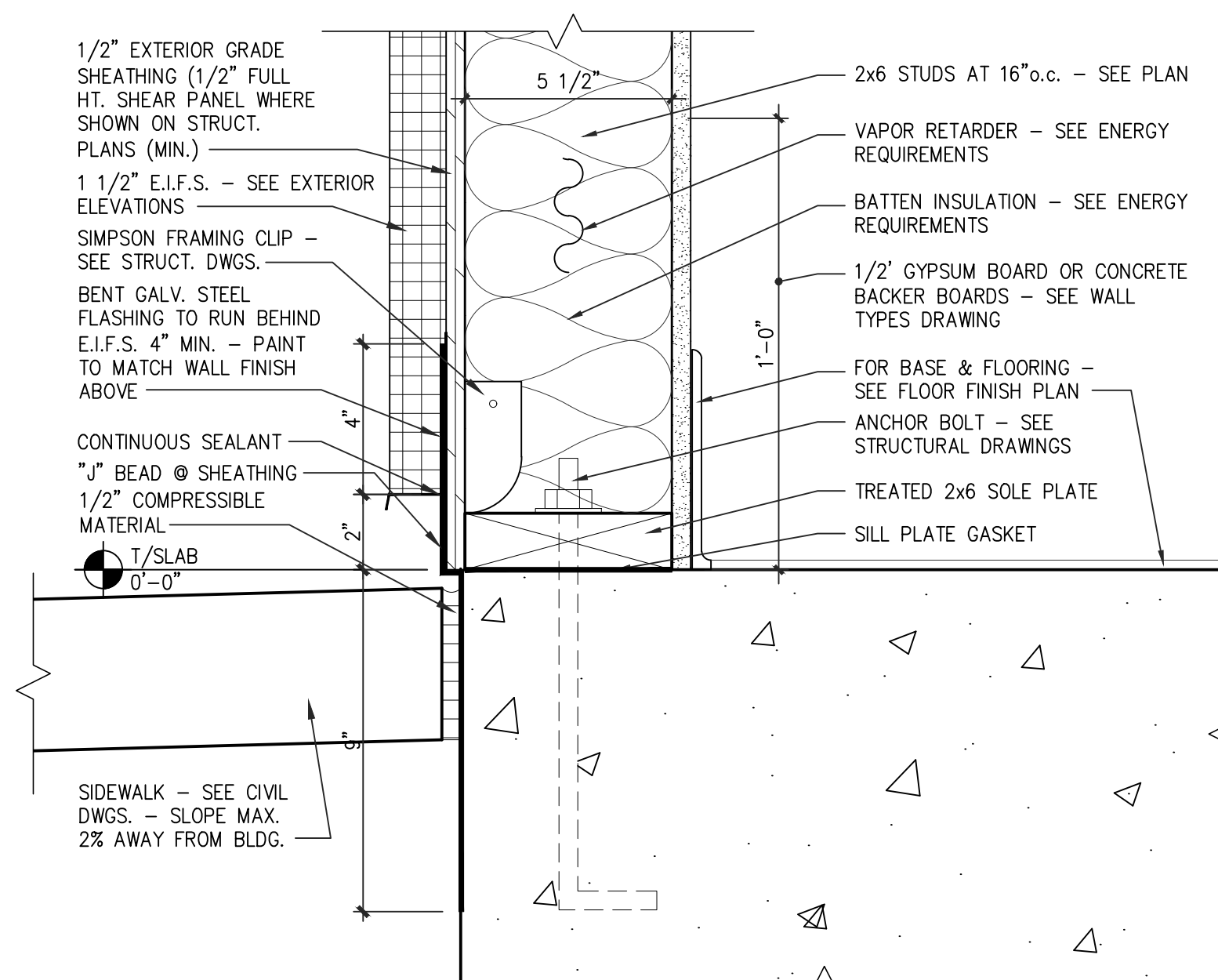
6 STEP AT ROOF
SCALE: 3" = 1'-0"



1 PARAPET CAP
SCALE: 3" = 1'-0"

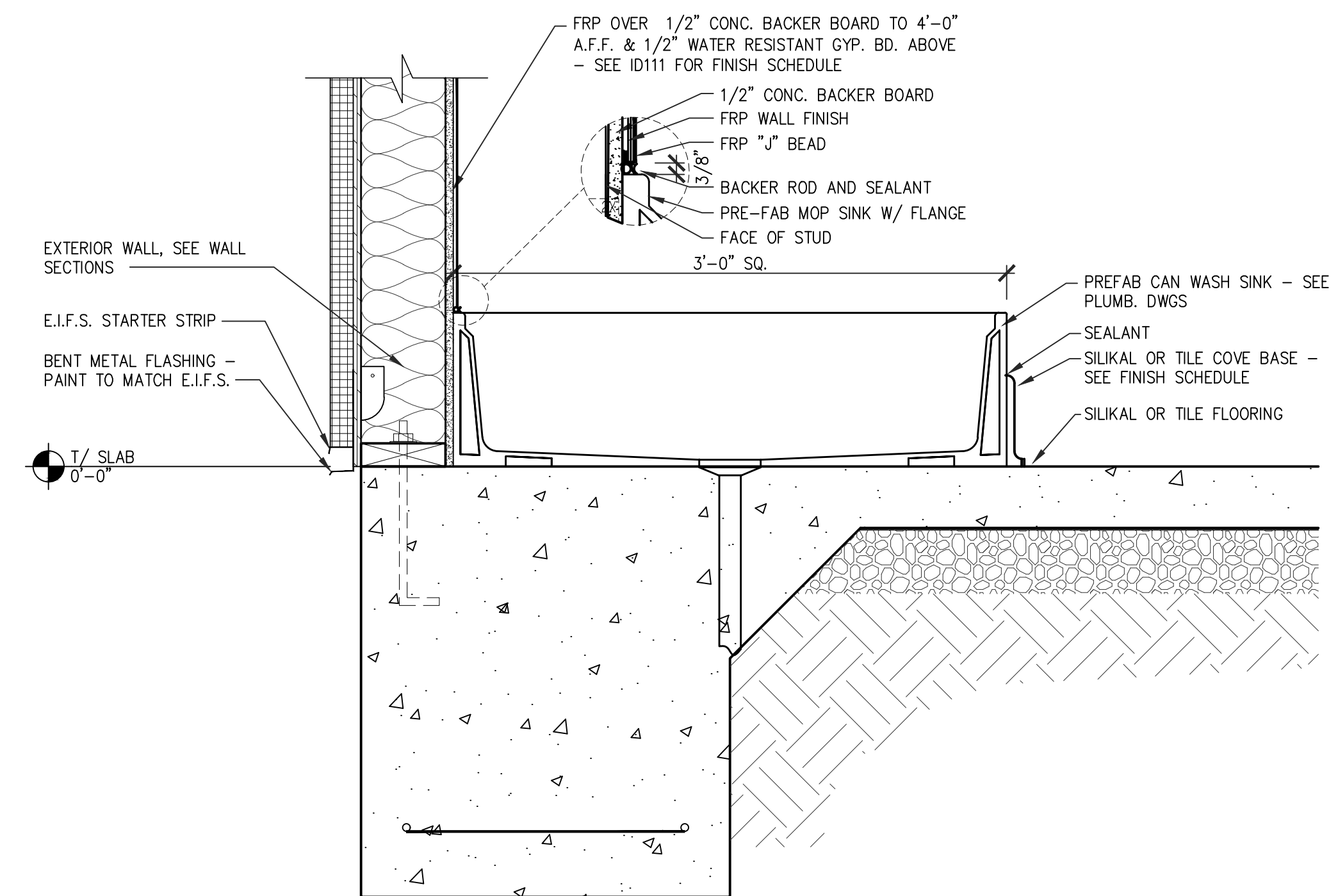
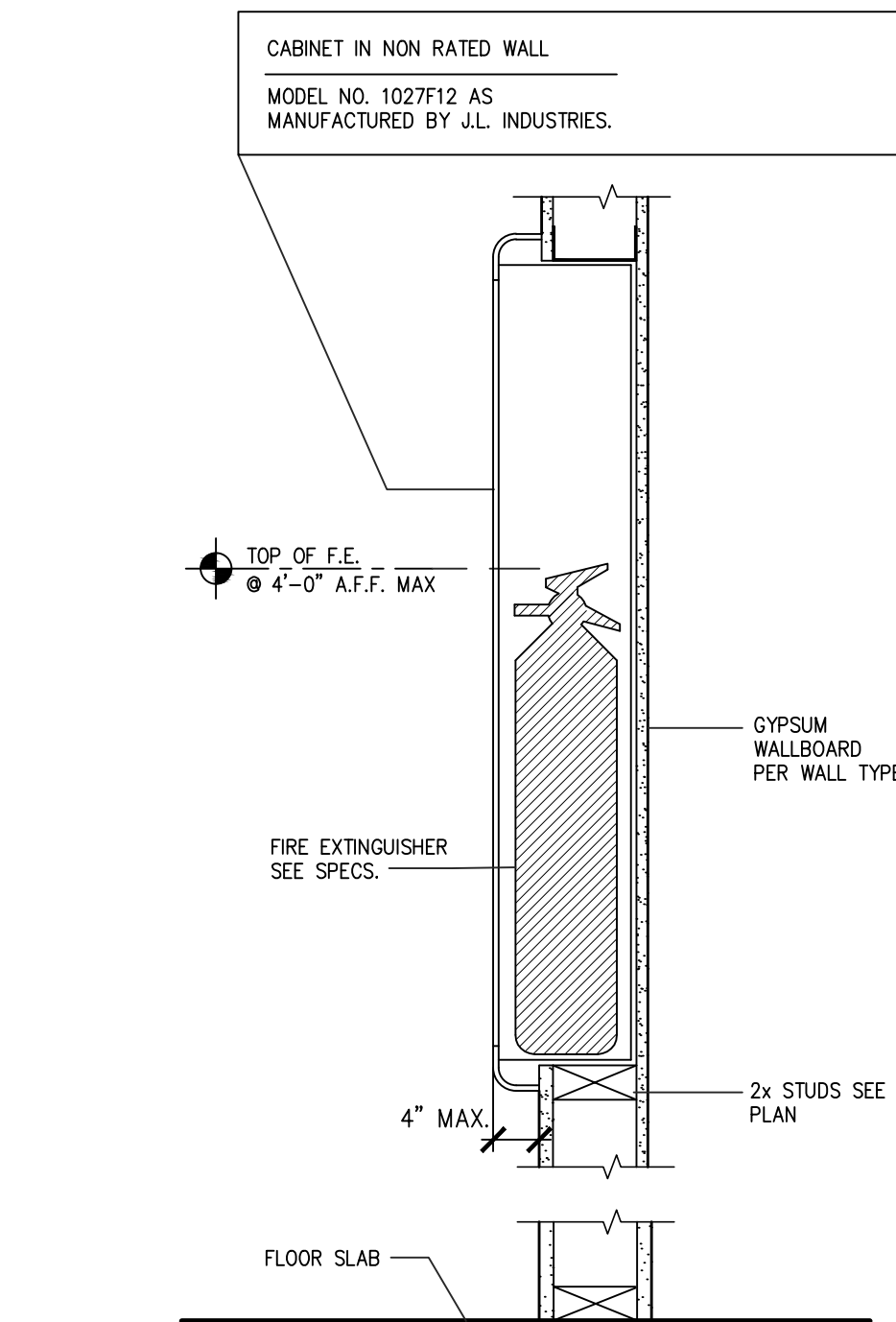
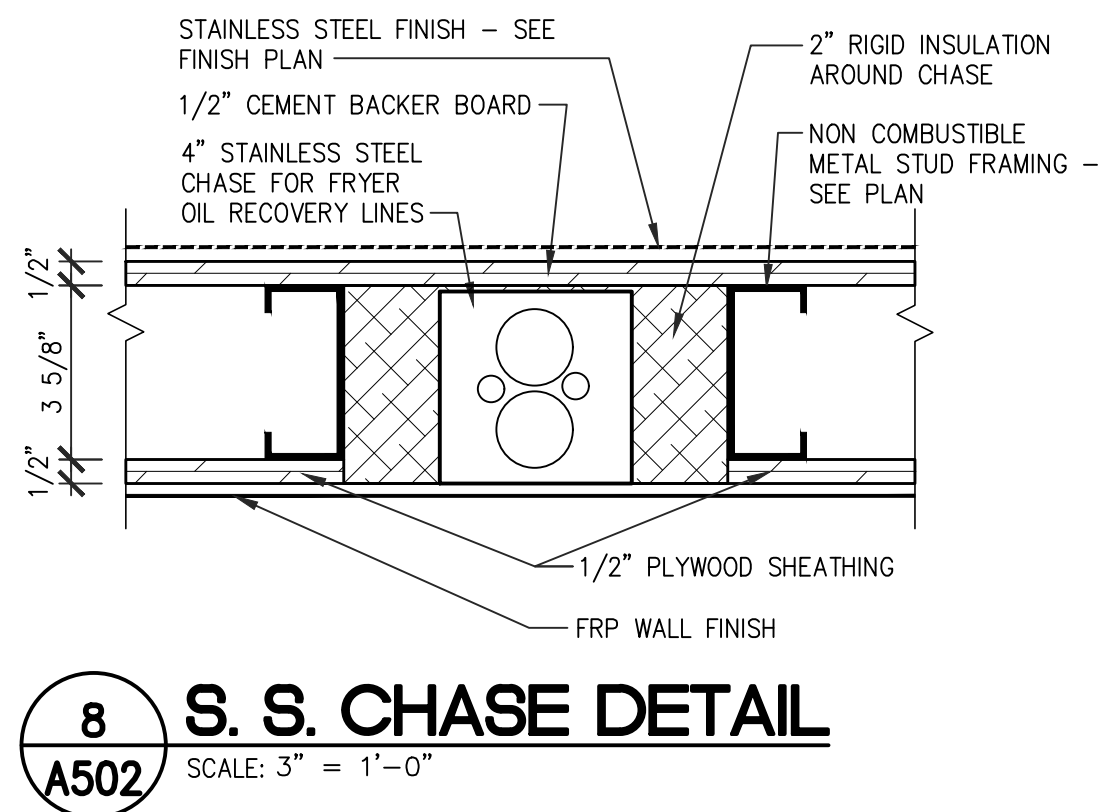
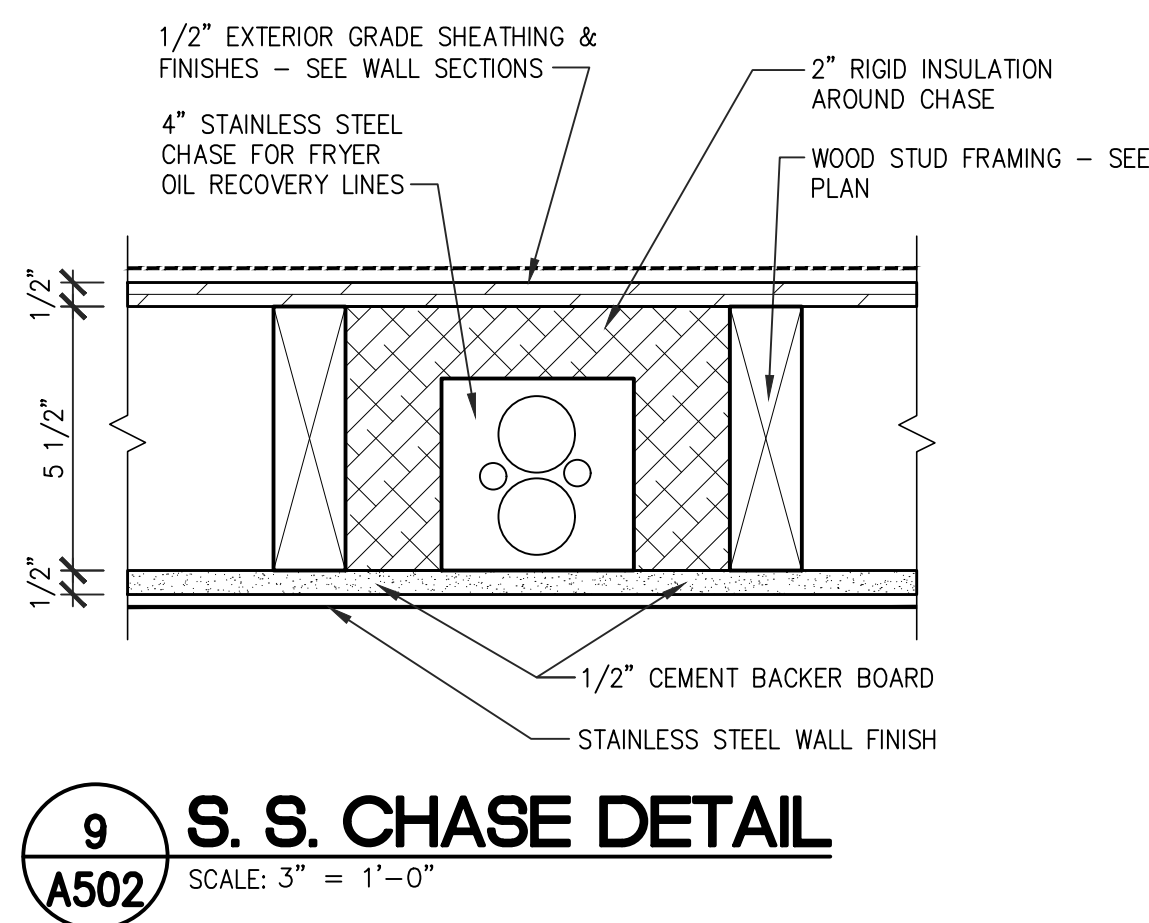
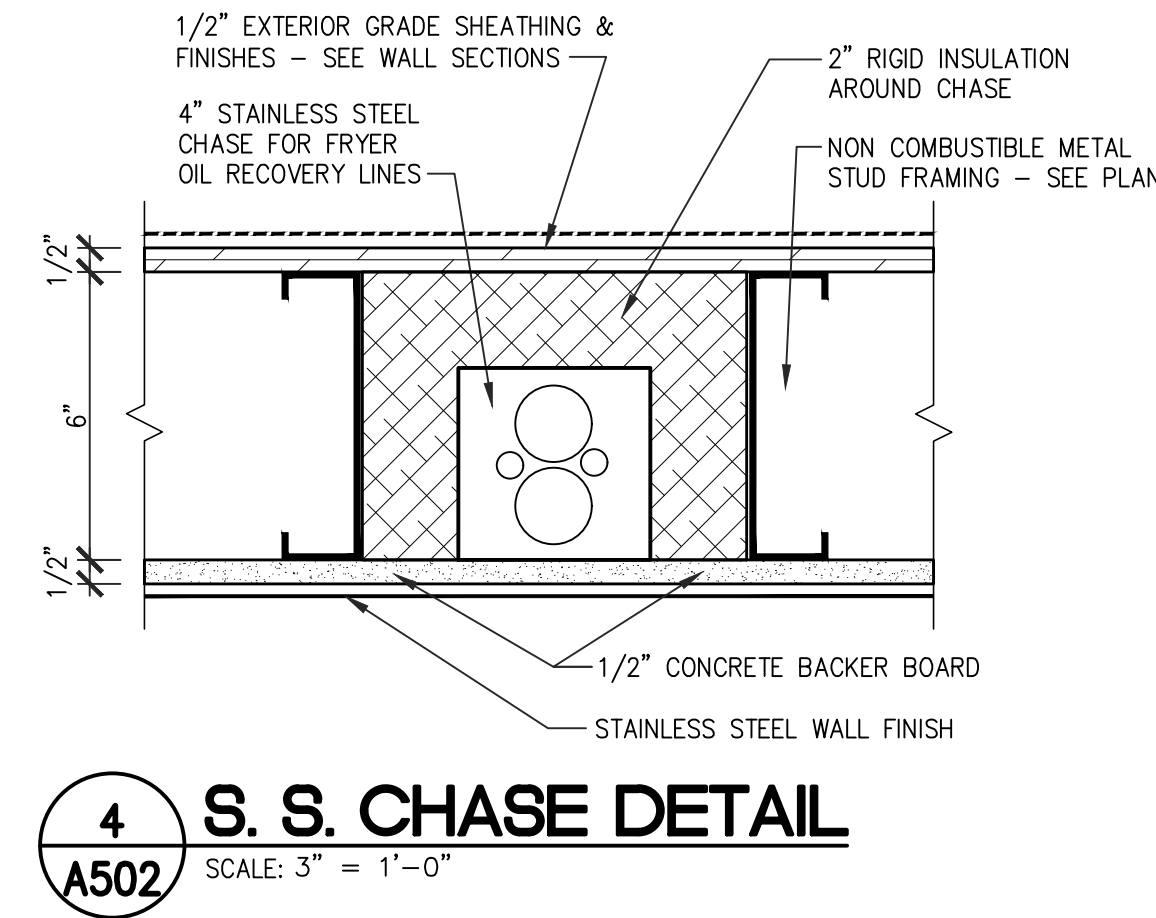
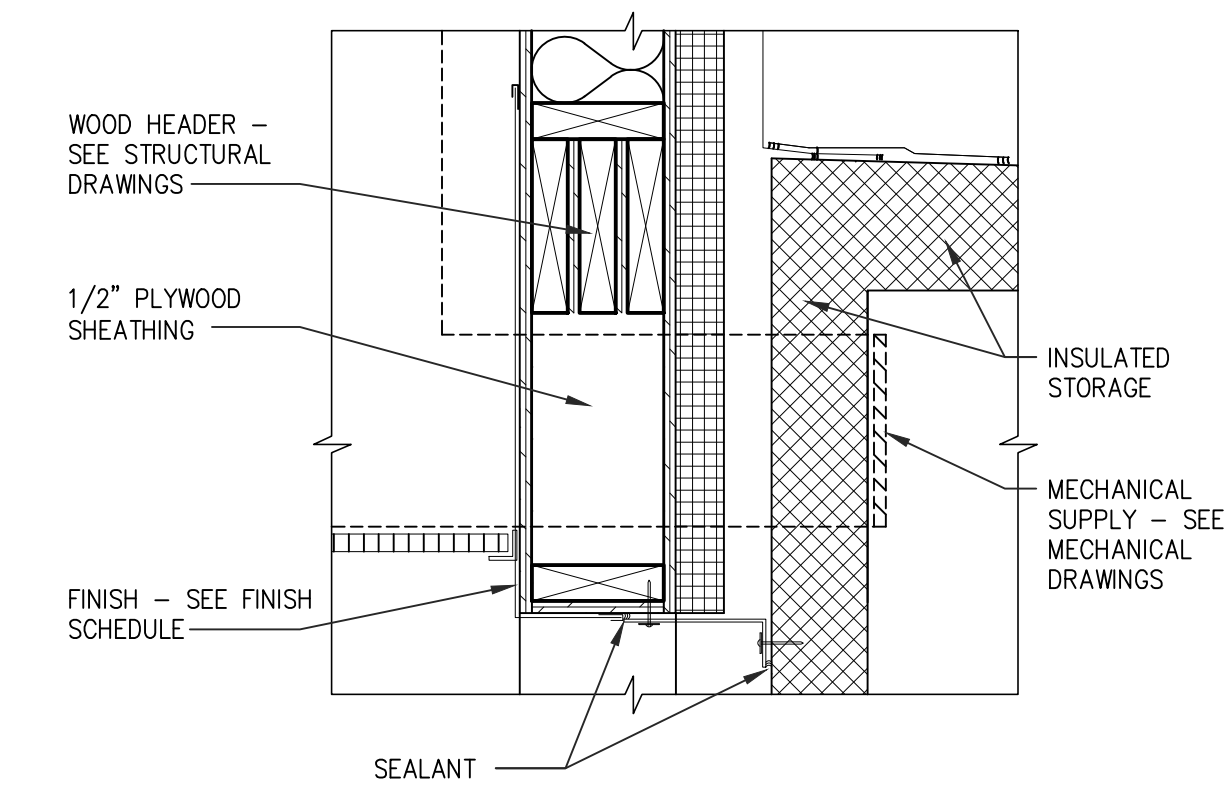
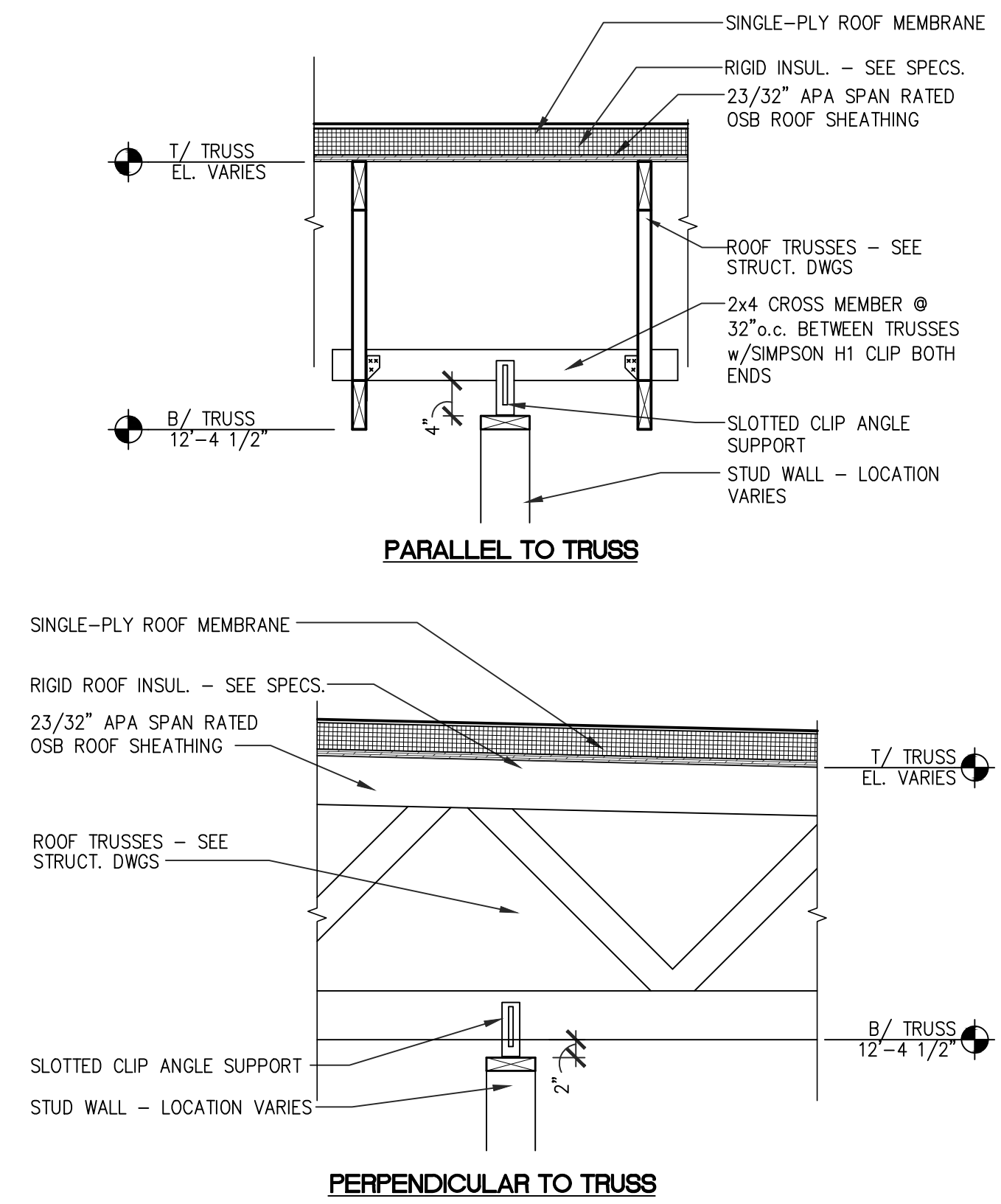
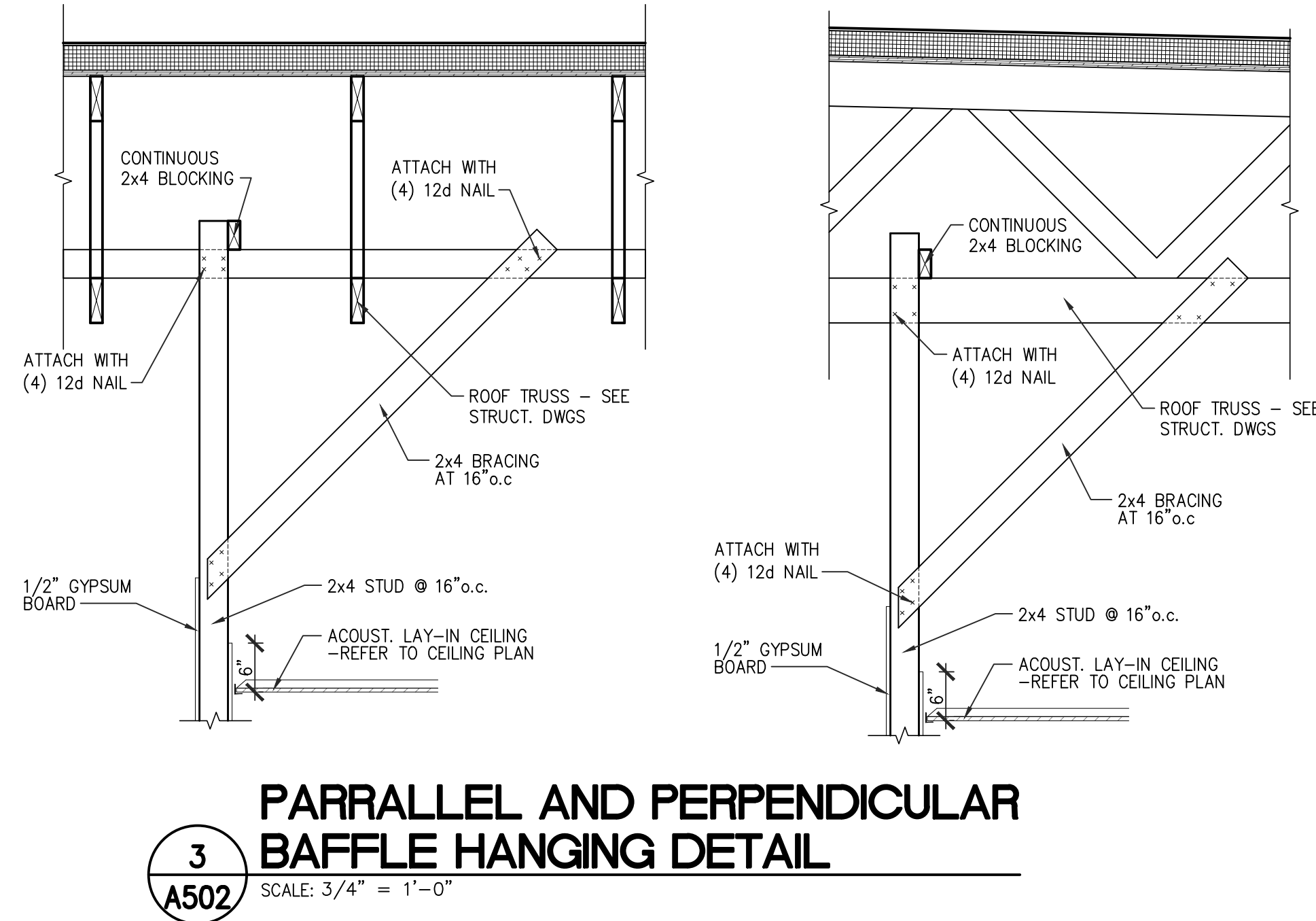
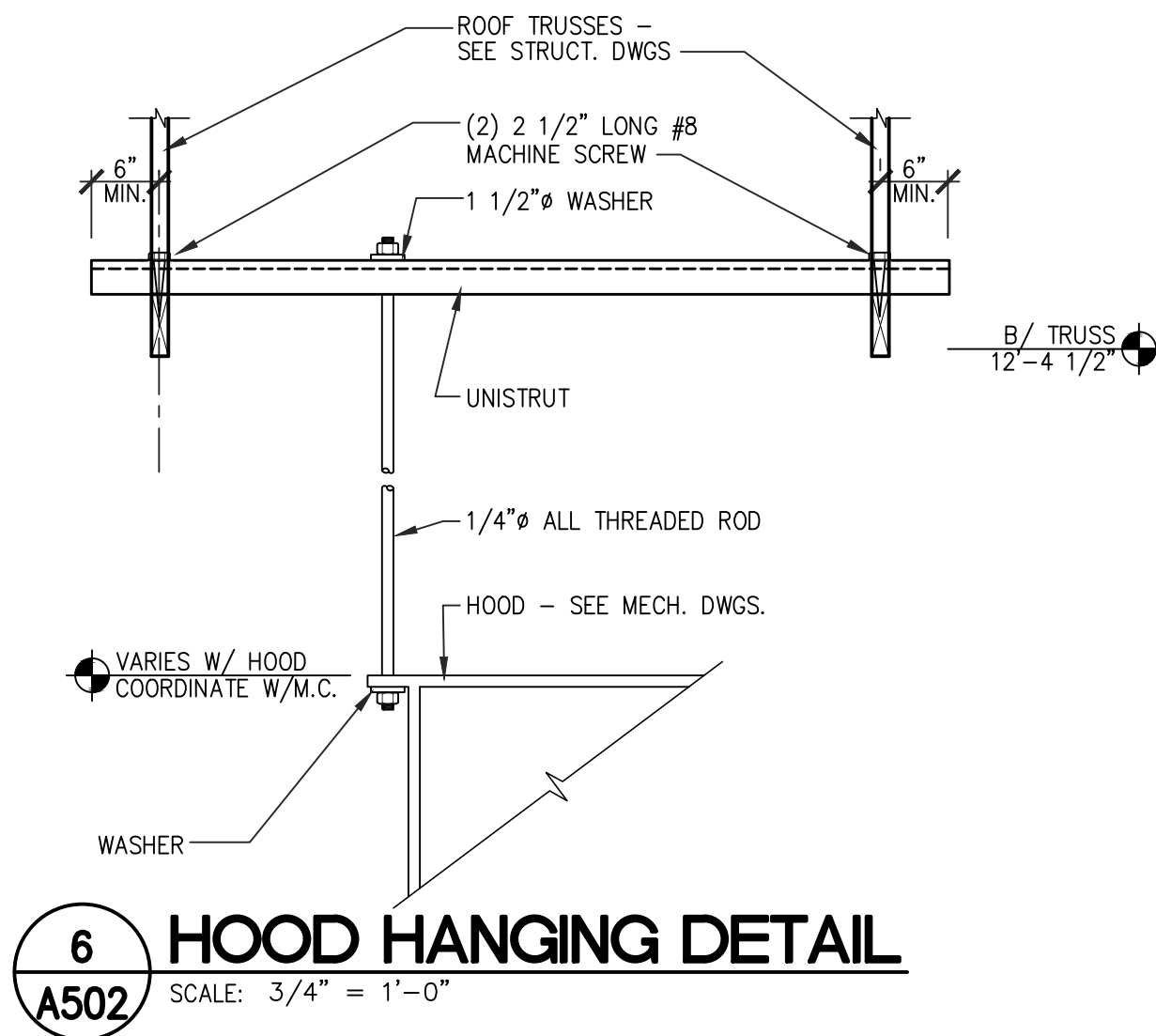


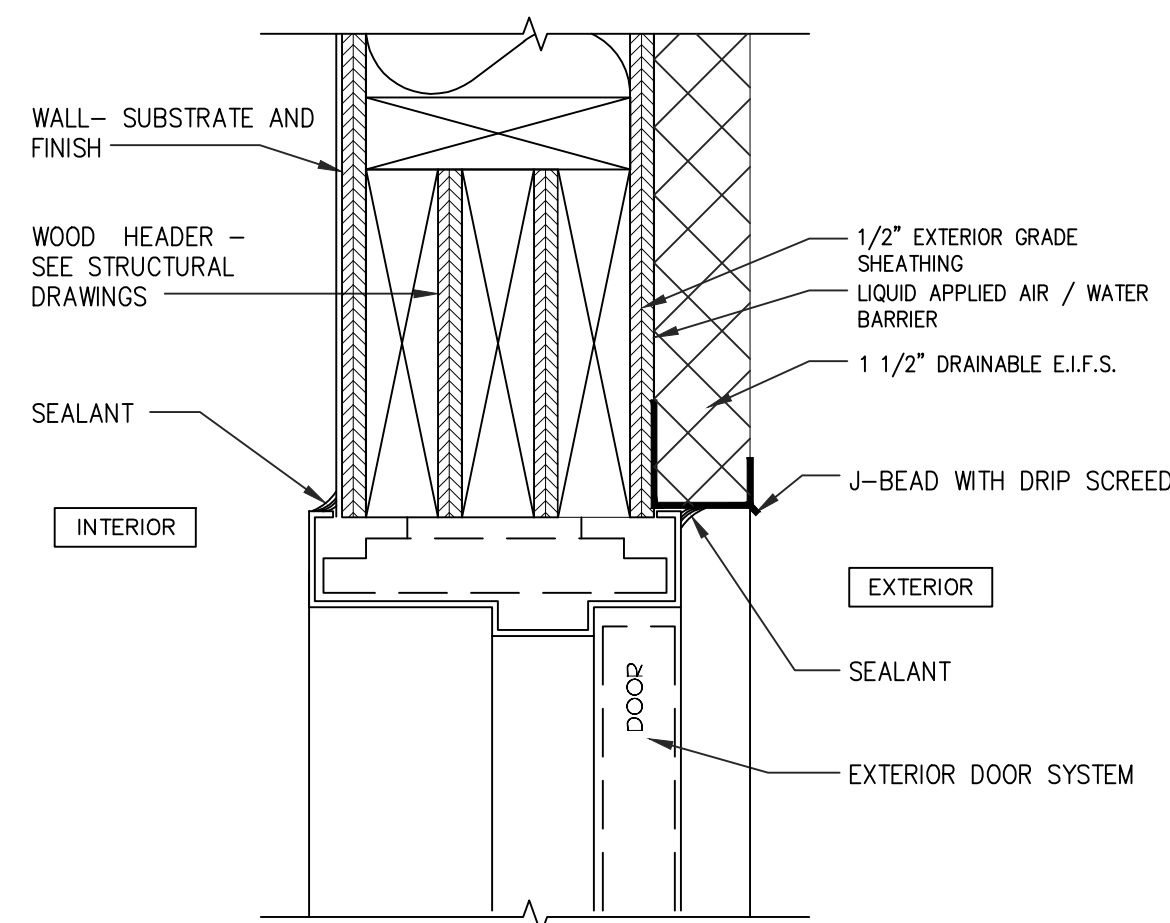
2 SLOPED BAND
SCALE: 3" = 1'-0"



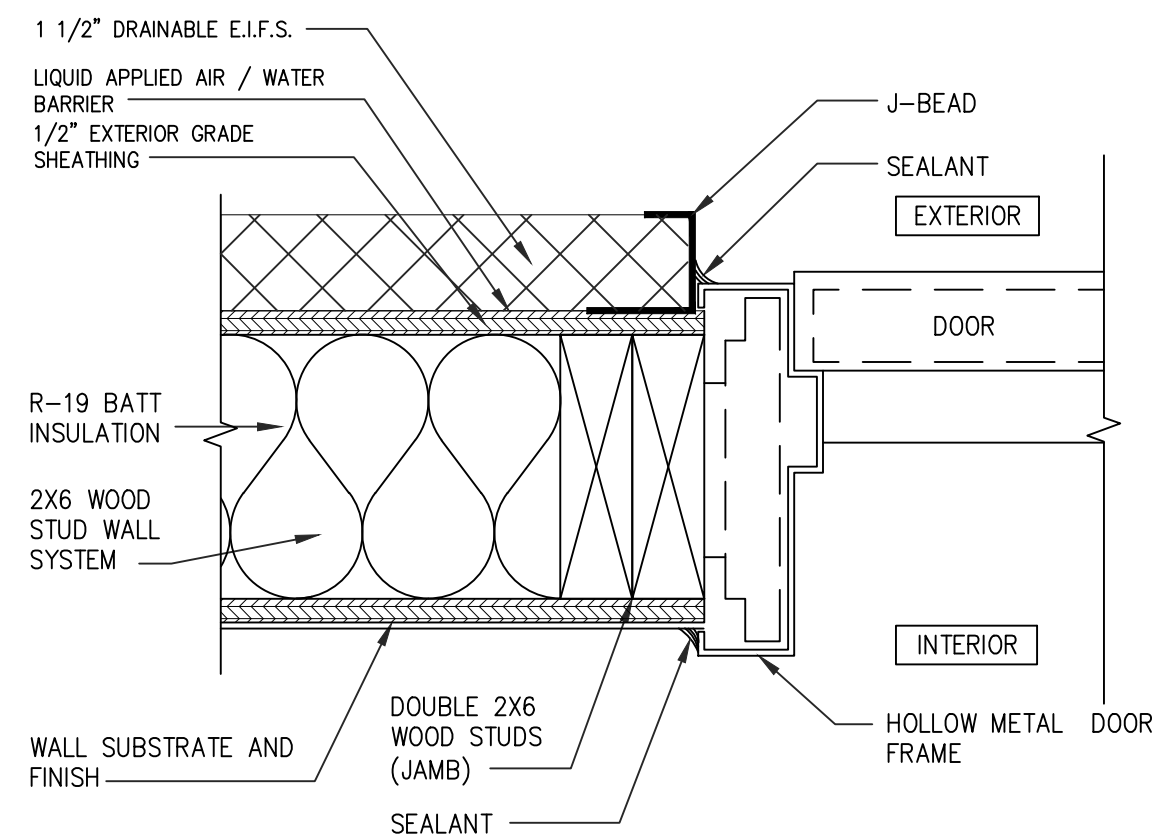
3 BASE AT SIDEWALK
SCALE: 3" = 1'-0"

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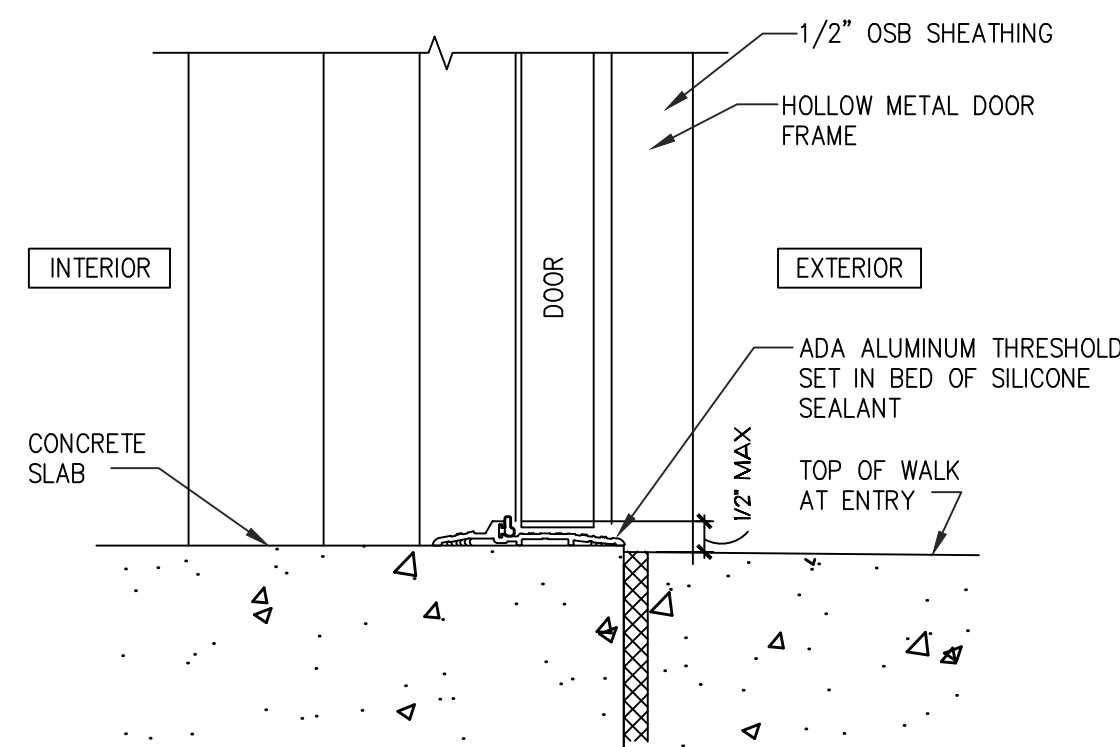




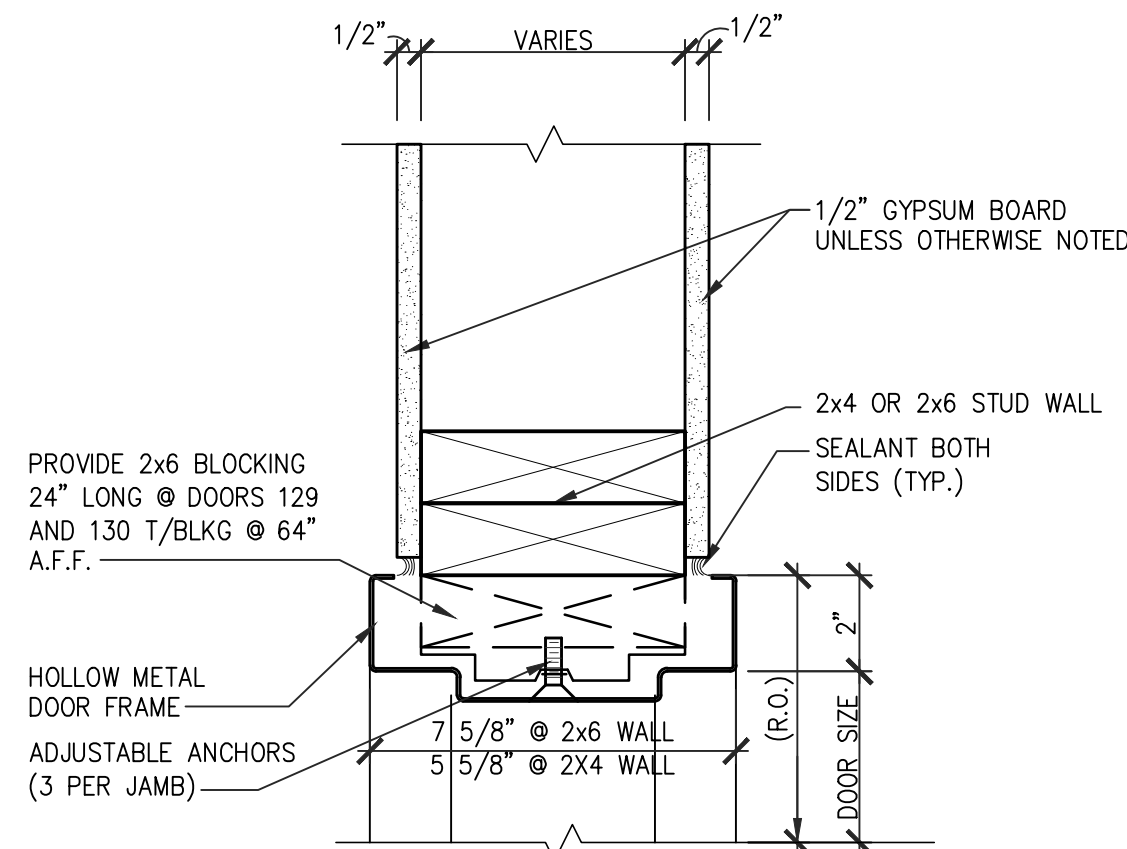
1 HOLLOW METAL DOOR HEAD
A601 SCALE: 3"=1'-0"



2 HOLLOW METAL DOOR JAMB
A601 SCALE: 3"=1'-0"



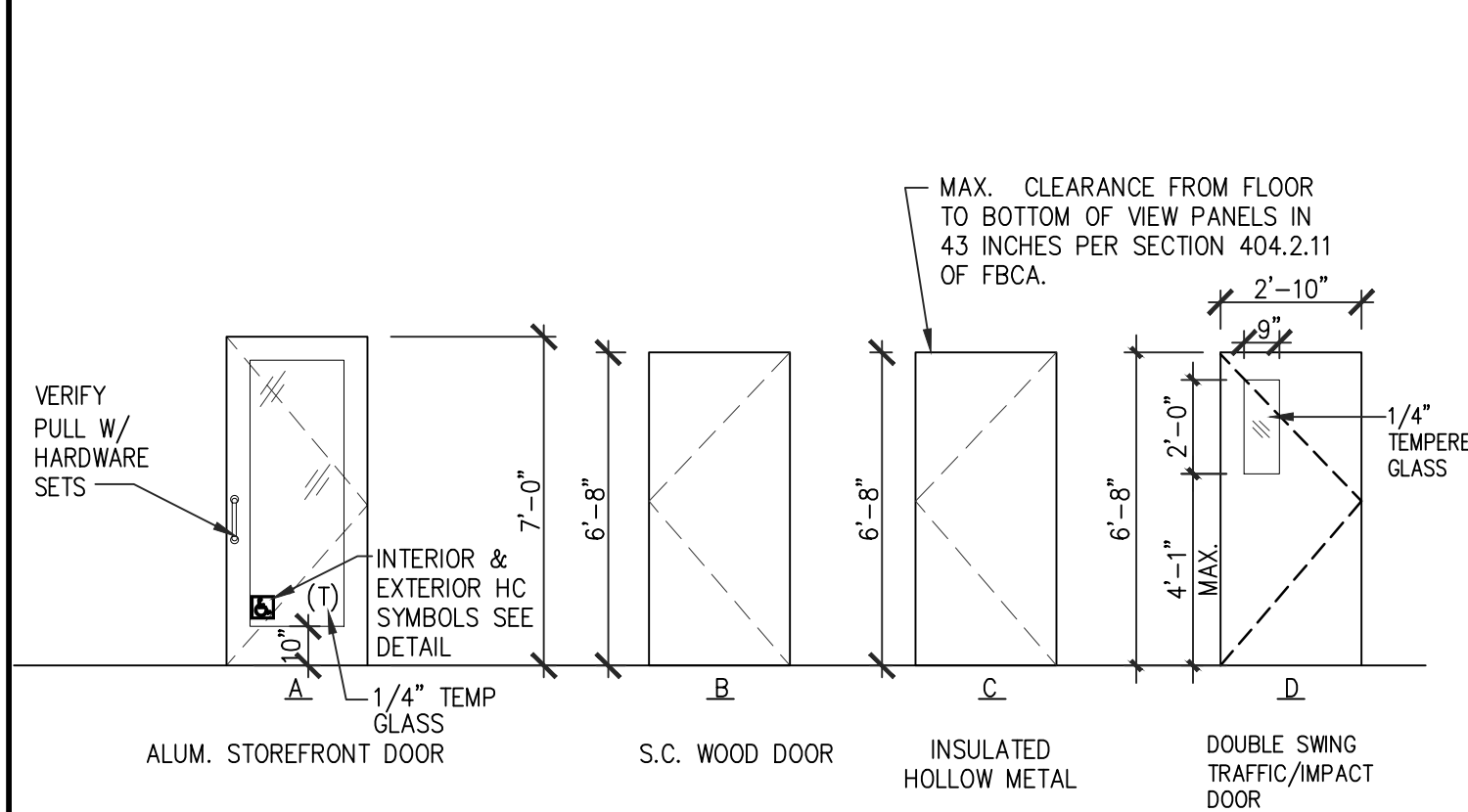
3 HOLLOW METAL DOOR THRESHOLD
A601 SCALE: 3"=1'-0"



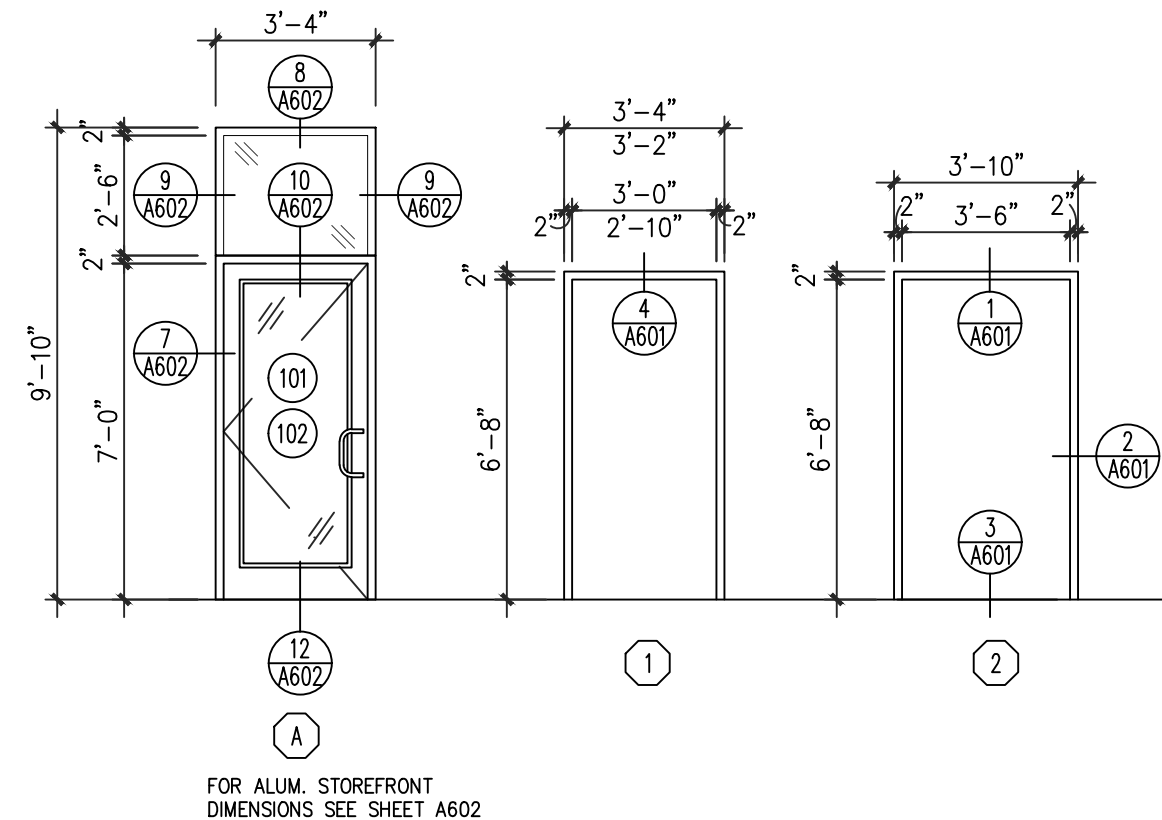
**INTERIOR HOLLOW
METAL DOOR FRAME**

4
A601

SCALE: 3"=1'-0"



DOOR TYPES



DOOR FRAMES

DOOR SCHEDULE

[illegible]

HARDWARE SCHEDULE

HARDWARE SET #1 - SECONDARY SINGLE ENTRY DOOR & RUNNER DOOR
THIS HARDWARE GROUP TO BE PROVIDED AS PART OF THE ALUMINUM ENTRANCE PACKAGE AND SHALL BE MANUFACTURER'S BEST QUALITY SYSTEM.
* PERIMETER WEATHERSTRIPPING BY DOOR / FRAME MFR.

HINGES: IVES CONTINUOUS HINGES 112HD - 628
 LOCK: TOUCHEAR EXT DEVICE (NO DUPIN 35A-NL-OP-388-299 FINISH - 628
 SCHLAGE RM CYLINDER 20-057 - 628 -
 BOLTS: MANUFACTURER'S STANDARD FLUSH BOLTS
 CLOSER: LCN 4111 EDA WITH HEAVY DUTY HARDWARE FINISH - 689
 CLOSER MOUNT: LCN 4110-1B FINISH - 689
 BLADE SPACER: LCN 4110-61 FINISH - 689
 THRESHOLD: ALUMINUM - ZERO 625A-MSLA-10 MEETS ADA REQUIREMENTS
 SWEEP: ZERO 39A - ALUM.
 OH STOPS: GLYNN 100S FINISH - 630
 PULL: IVES B190HD 90 DEG OFFSET 10" FINISH - 630

HARDWARE SET #2 - REAR EXTERIOR DOOR

HINGES: IVES 224HD CONTINUOUS HINGE - 628

LOCK: SCHLAGE D SERIES "RHODES" STOREROOM LOCK IN 628 FINISH

LOCK GUARD: IVES LG12 - 630 - COORDINATE WITH LOCK

CLOSERS: LCN 4111 SH CUSH. WITH INTEGRAL STOP - 689

THRESHOLD: ZERO 654A-MSLA-10 - A

WEATHERSTRIP: FULL - PEWKO OR EQUAL

KICK PLATE: IVES 8400 36X14 LOW B-CS - 630

DOOR SWEEP: ZERO 328 AA OR 39A

GASKET: ZERO 429A - A (* MOUNT PRIOR TO MOUNTING CLOSER)

RAIN PDR: ZERO 142A - A

HARDWARE SET #3 - RESTROOM ENTRY DOOR

HINGES:	1 1/2 PAIR BUTTS, HAGER BB-1279 26D
PULL:	ROUND WROUGHT DOOR PULL, HAGER 3 26D
PUSH:	PUSH PLATE, HAGER 30S 8X16
STOP:	FLOOR STOP, HAGER 241F US26
CLOSERS:	HAGER 5200 MLT 1-4 ALM
KICK PLATE:	HAGER 214S

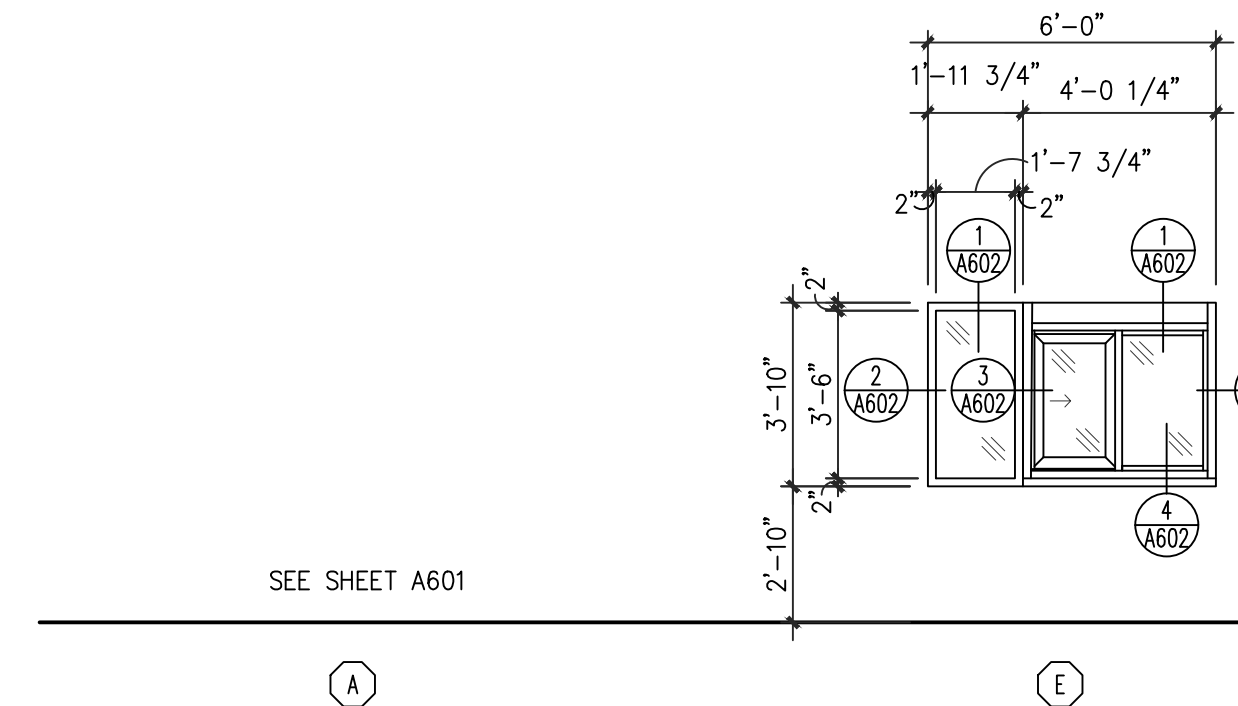
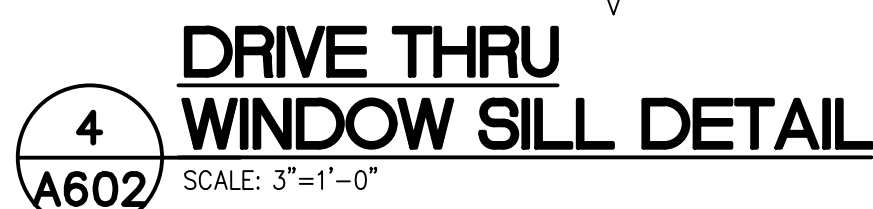
HARDWARE SET #4 - ELIASON DOORS TO PREP AREA
HARDWARE: BY DOOR MANUFACTURER
STOP: 1420 626 SURFACE APPLIED STOP

ABBREVIATIONS

AL	ALUMINUM	NTL	METAL
AN	ANODIZED FINISH	PNT	PAINT
FAC	FACTORY FINISH	S&S	STAINED & SEALED
FBGL	FIBERGLASS	SCWD	SOLID CORE WOOD
GL	GLASS	STL	STAINLESS STEEL
HCWD	HOLLOW CORE WOOD	WD	WOOD
HM	HOLLOW METAL	WVC	WOOD VINYL CLAD
MDF	MEDIUM DENSITY FIBERBOARD		

GENERAL DOOR NOTES

1. ALL DOORS/DOOR OPENINGS SHALL COMPLY WITH INTERNATIONAL CODE LATEST EDITION / NFPA 101 LIFE SAFETY CODE 7.2.1.2 WIDTH 7.2.1.4 SWING AND FORCE TO OPEN 7.2.1.5 LOCKS AND LATCHES AND ALARM DEVICES 7.2.1.6 SPECIAL LOCKING ARRANGEMENTS 7.2.1.7 PANIC HARDWARE AND FIRE EXIT DEVICES 7.2.1.8 SELF CLOSING DEVICES
2. ALL DOOR HANDLES SHALL BE LEVER TYPE MEETING A.D.A. REQUIREMENTS.
3. ALL DOORS WITH AUTO CLOSERS SHALL HAVE BALL BEARING TYPE HINGES
4. ALL EXTERIOR DOORS SHALL HAVE US28 FINISH HINGES.
5. ALL EXTERIOR DOORS SHALL HAVE WEATHER STRIPPING.
6. DOOR CLOSER SHALL BE INSTALLED SUCH THAT THE SWEEP PERCENT OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES (76MM) FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
7. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 8.5LBF (37.5N).
8. SUBMIT HARDWARE SCHEDULE AND REVIEW WITH ARCHITECT PRIOR TO PLACING ORDER.
9. CONTRACTOR TO FIELD VERIFY ALL OPENING SIZES BEFORE ORDERING
10. PROVIDE WALL OR FLOOR DOOR STOP AT ALL DOORS TYPICAL
11. ALL STOREFRONT DOORS AND FRAMES TO HAVE CLEAR ANODIZED FINISH.
12. ALL EXTERIOR STOREFRONT DOORS ARE TO BE 9/16" CLEAR GLAZING. YES 45 OR EQUAL.
13. REFER TO MANUFACTURER SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.
14. ALL EXTERIOR DOORS TO HAVE 4" HEADS U.N.O.



WINDOW TYPES




GENERAL WINDOW NOTES

1. REFER TO MAUFACTURER SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.
2. ALL EXTERIOR STOREFRONT WINDOW SYSTEMS ARE TO BE 1" INSULATED GLAZING WITH SOLAR GRAY TINT. YKK - YES 45XT OR EQUAL
3. ALL EXTERIOR STOREFRONT WINDOW SYSTEMS TO BE CLEAR ANODIZED ALUMINUM .
4. PRIOR TO INSTALLATION, SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL.

ABBREVIATIONS			
AL	ALUMINUM	MTL	METAL
AN	ANODIZED FINISH	PNT	PAINT
FAC	FACTORY FINISH	S&S	STAINED & SEALED
FBGL	FIBERGLASS	SCWD	SOLID CORE WOOD
GL	GLASS	STL	STAINLESS STEEL
HCWD	HOLLOW CORE WOOD	WD	WOOD
HM	HOLLOW METAL	WVC	WOOD VINYL CLAD
MDF	MEDIUM DENSITY FIBERBOARD		

LMHT Project No. 23047.00

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7208 ACACIA BLVD., 2ND FLOOR.
ATLANTA, GA 30328
phone: 919.544.0087 fax: 919.544.8399

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: DOOR WINDOW SCHEDULE

Revisions	
THRU ADDENDUM	"D"
11/21/2022	
PROJECT DATE	
06/29/2023	
Drawn By	
	CH
Checked By	
	GRL
Sheet No.	
A602	

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Plotted by: chudson
Plotted Date: Jun 29, 2023 = 2:29pm

GENERAL NOTES		1.07 CONTRACTOR RESPONSIBILITIES	
GENERAL NOTES		A.review shop drawings, product data and samples prior to submission.	
A.all work shall conform to the requirements of the applicable codes indicted on sheet g001 and all other applicable local, state, and federal codes and ordinances, and all authorities having local jurisdiction.		B.determine and verify:	
B.all work shall conform to the 2014 florida fire prevention code		1.field measurements.	
C.the general contractor shall perform all work in accordance with the current edition of the "general conditions of the contract for construction" ala document a201.		2.field construction criteria.	
D.the contractor shall, upon discovery, give written notice to the architect of any materials, equipment, or design features which he believes to be inadequate or unsuitable, in violation of laws, ordinances, or rules and regulations of the authorities having jurisdiction over the work, and of any necessary items or work omitted from the drawings.		3.catalog numbers and similar data.	
E.all subcontractors shall use only skilled craftsmen, experienced in the work of their trade, to ensure first class workmanship; any work not equal to best trade standards shall be removed and replaced at no additional cost. should any subcontractor refuse to remove and replace unsatisfactory work, the contractor may remove and replace it, and charge the cost to the subcontractor.		4.conformance with specifications and drawings.	
F.it is the general contractor's sole responsibility to determine erection procedure sequence to ensure the safety of people & of the building & its component parts during construction, this includes, but is not limited to, the addition of whatever temporary bracing or tie downs that may be necessary, such material shall be removed and shall remain the property of the contractor after completion of the project.		C.coordinate each submittal with requirements of the work and the contract documents. do not submit non--conforming products.	
G.all products and parts shall fit together neatly, without damage or disfigurement, except for specified curved surfaces, all products and parts shall be constructed/ fabricated and installed true, in line, and plumb. all non conforming work shall be rejected and re--accomplished by the general contractor at no additional costs to the owner.		D.notify the architect in writing, at the time of submission, of any deviations in the submittals from requirements of the contract documents, or of any discrepancies within the contract documents.	
H.all work shown on the drawings shall be constructed of new components.		E.begin no fabrication or work which requires submittals until return of submittals with architect's conformance review.	
I.all bids shall be prepared from a complete set of construction documents. complete sets of documents shall not be broken up for bid purposes, such action may result in a lack of information in reference to the scope of work to be performed.		F.submittals not properly reviewed by contractor for conformance with contract documents shall be returned without architect's review or acceptance.	
J.it shall be the general contractor's responsibility to personally field inspect the project site prior to the preparation and submittal of his bid. this inspection is required so that the contractor shall be totally familiar with the existing conditions and their interface with the new construction as defined in these construction documents.		1.08 SUBMISSION REQUIREMENTS	
K.unless otherwise specified, the g.c. shall furnish a written guarantee for all work (equipment, materials, and labor), against any defects in said work for a period of one (1) year from the date of substantial completion, with all appropriate repairs or replacements at no additional cost to the owner.		A.make submittals promptly in accordance with approved schedule, and in such sequence as to cause no delay in the work or in the work of any other contractor.	
L.it shall be the responsibility of the g.c. and/or contractors to comply with all the requirements of the occupational safety and health act of 1970 by the u.s. department of labor, and require all its subcontractors and employees to comply with this law, and any related state or local laws.		B.number of submittals required:	
M.the data given herein and on the drawings is as exact as could be secured, their absolute accuracy is not guaranteed, and the g.c. shall obtain exact locations, measurements, levels, etc. at the site and shall satisfactorily adapt his work to the actual conditions of the building, do not scale prints. verify all dimensions with the architect prior to commencing work.		1.shop drawings: submit the number of opaque reproductions which the contractor requires, plus three (3) copies which will be retained by the architect. maximum acceptable size is 24" x 36" for any one sheet.	
N.these documents and the information contained herein shall not be altered in anyway by the contractor or the owner, alteration shall be made only by the architect of record.		2.product data: submit the number of copies which the contractor requires, plus three (3) which will be retained by the architect.	
O.maintain areas free of waste materials, debris, and rubbish. maintain the site in a clean and orderly condition. remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces. prior to enclosing the space broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust, remove waste materials, debris, and rubbish from site weekly and dispose off--site.		3.samples: submit the number stated in each specification section. if no number is given, verify correct number with architect prior to submittal, minimum of two (2) samples.	
CONSTRUCTION NOTES		4.provide submittals as required by the individual section, but no less than that stated above.	
1.all exit doors shall be operable from the egress side without the use of a key, tool, special knowledge or effort, manually operated flush bolts or surface bolts shall not be used.		C.SUBMITTALS SHALL CONTAIN:	
2.all glazing within a 24 inch arc of doors whose bottom edge is less than 60 inches above the floorand glass below 18" a.f.f. and all glazing in doors shall be safety glass, tempered glass or acrylic plastic sheet. per 2017 fbc 2406.4		1.the date of submission and the dates of any previous submissions.	
3.provide and install portable fire extinguishers as shown in these documents or as otherwise directed by the local fire marshal.		2.the project title and number.	
4.signage shall be provided as required and as stated in the accessibility code for building construction per section 703 in the 2017 edition of fbca		3.contract identification.	
SECTION 01340 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES		4.the names of:	
PART 1 GENERAL		- contractor.	
1.01 REQUIREMENTS INCLUDED		. subcontractor.	
A.submit shop drawings, product data and samples required by contract documents, or as necessary where not indicated, so architect can review, select, check for conformance, etc., as required.		. supplier.	
1.02 RELATED REQUIREMENTS		d.manufacturer.	
A.designated in the construction schedule, or in a separate coordinate schedule, the dates for submission and the dates that reviewed shop drawings, product data and samples will be needed, allow sufficient time in the schedule for architect review and possible resubmittals if required.		5. identification of the product, with the specification section number.	
1.03 SHOP DRAWINGS		6. field dimensions, clearly identified as such.	
A.drawing shall be presented in a clear and thorough manner.		7. relation to adjacent or critical features of the work or materials.	
1.details shall be identified by reference to sheet and detail, schedule or room numbers shown on contract drawings.		8. applicable standards such as, but not limited to astm or federal specification numbers.	
2.sheet shall be labeled with correct job name, location, architect's project number, and subcontractor's company name, address, phone number and name of responsible representative of company.		9. identification of deviations from contract documents.	
3.drawings, details, etc. shall clearly illustrate all components and adjacent components of the work.		10.identification of options available, but not indicated in the specifications, such as color, finish, texture, etc. with complete samples or listing included in the submittal for architect's selection.	
1.04 PRODUCT DATA		11.indication of terms to be included in the work and shown on the shop drawings shall be dimensioned and coordinated for proper fit and timely inclusion.	
A.preparation:		12.identification of revisions on submittals.	
1.clearly mark each copy to identify pertinent products or models which are specifically covered by the submittal. reference all numbers to correspond to those in contract documents.		13.an 8" x 3" blank space for contractor and architect stamps.	
2.show performance characteristics and capacities.		14.contractor's stamps, initialed or sign, certifying the review of submittal, verification of products, field measurements and field construction criteria, and coordination of the information within the submittal with requirements of the work and of contract documents.	
3.show dimensions and clearances required.		1.09 RESUBMISSION REQUIREMENTS	
4.show wiring or piping diagrams and controls.		A.make any corrections or changes in the submittals required by the architect and resubmit until accepted.	
5.delete model numbers, diagrams, details, etc., not applicable to the submittal.		B.shop drawings and product data:	
B.manufacturer's standard schematic drawings and diagrams:		1.revise initial drawings or data, and resubmit as specified for the initial submittal.	
1.modify drawings & diagrams to delete information which is not applicable to the work.		2.indicate any changes which have been made other than those requested by the architect.	
2.supplement standard information to provide information specifically applicable to the work.		C.samples: submit new samples as required for initial submittal.	
1.05 SAMPLES		1.10 DISTRIBUTION	
A.office samples shall be of size indicated, or of sufficient size and quantity to clearly illustrate:		A.distribute reproduction of shop drawings and copies of product data which carry the architect's stamp of conformance to:	
1.functional characteristics of the product, with integrally related parts and attachment devices and techniques.		1.job site file.	
2.full range of color, texture and pattern for architect selection at no additional cost. submit only specified color range if different from manufacturer's standard range.		2.record documents file.	
B.all samples of a particular product, assembly, unit, etc., shall be submitted at the same time to allow proper review and comparison between samples.		3.subcontractor.	
1.06 SUBMITTALS		4.supplier or fabricator.	
A. permits, licenses, and certificates: for the owner's records, submit copies of permits, licenses, erection reports, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, and similar documents, correspondence & records established in conjunction with compliance with standards and regulations bearing upon performance of the work.		5.owner (to be distributed by the architect).	
		1.11 ARCHITECT'S DUTIES	
		A.review submittals with reasonable promptness and in accord with schedule.	
		B.allow a minimum of ten (10) working days for review, unless special handling is arranged in advance.	
		B.affix stamp and initials or signature, and indicate requirements for resubmittal or conformance of submittal. acceptance is for general conformance with design concept & general compliance with the contract documents. quantities and dimensions of materials will not be reviewed. acceptance of a submittal does not waive or alter the requirements of the contract documents.	
		C.return submittals to contractor for distribution or for resubmission.	
		END OF SECTION 01340	
		DIVISION 2 SITE WORK	
		SECTION 02000 GENERAL	
		REFER TO CIVIL DRAWINGS AS PREPARED BY NEWIKRK ENGINEERING	
		END OF SECTION 02000	
		TERMITE SPECIFICATIONS	
		1. a permanent sign which identifies the termite treatment provider and need for re--inspection and treatment of contract renewal shall be provided. the sign shall be posted near the water heater or electric panel per 2017 fbc 105.11	
		2. condensate and roof down spouts shall discharge at least 1'--0" away from building sidewalks. per 2017 fbc 1503.7	
		3. irrigation / sprinkler systems including all risers and spray heads shall not be installed within 1'--0" of the building side walls. per 2017 fbc 318.1	
		4. to provide for inspection for termite infestation between wall covering and final earth grade shall not be less than 6 inches. per 2017 fbc 1408.3	
		exception: paint or decorative cementitious finish less than 5/8" thick adhered directly to the foundation wall. per 2017 fbc 1403.2.1	
		5. initial treatment shall be done after all excavation & back fill is complete. per 2017 fbc 1816.1.1	
		6. soil disturbed after the initial treatment shall be retreated including spaces boxed and formed. per 2017 fbc 1816.1.2	
		7. boxed areas in concrete floors for subsequent installation of traps, etc., shall be made with permanent metal or plastic forms. permanent forms must be of a size and depth that will eliminate the disturbance of soil after the initial treatment. per 2017 fbc 1816.1.3	
		8. minimum 6 mil vapor retarder must be installed to protect against rainfall dilution. if rainfall occurs before vapor retarder placement, retreatment is required. per 2017 1816.1.4	
		9. concrete overpour and mortar along the foundation perimeter must be removed before exterior soil treatment. per 2017 fbc 1816.1.5	
		10. soil treatment must be applied under all exterior concrete or grade within 1'--0" of the structure sidewalks. per 2017 fbc 1816.1.6	
		11. an exterior vertical chemical barrier must be installed after construction is complete including landscaping and irrigation. any soil disturbed after the vertical barrier is applied, shall be retreated. per 2017 fbc 1816.1.6	
		12. all buildings are required to have pre--construction treatment. per 2017 fbc 1816.1.7	
		13. a certificate of compliance must be issued to the building department by a licensed pest control company before a certificate of occupancy will be issued. the certificate of compliance shall state: " the building has received a complete treatment for the prevention of subterranean termites. the treatment is in accordance with the rules and laws of the florida department of agriculture and consumer services." per 2017 fbc 1816.1	

LHMT Project No. 23047.00

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NATIONAL RESTAURANT DESIGNERS

A DIVISION OF LHMT ASSOCIATES

7208 ACC BLVD. 2ND FLOOR, FALCON, NC 27617

PHONE 919.244.0267 FAX 919.544.9399

GLENN LEHMAN

REG. NO. 8174

STATE OF LOUISIANA

REGISTERED ARCHITECT

Glenn Lehman

7/10/23

PROJECT: **HIGHWAY 55**

32 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

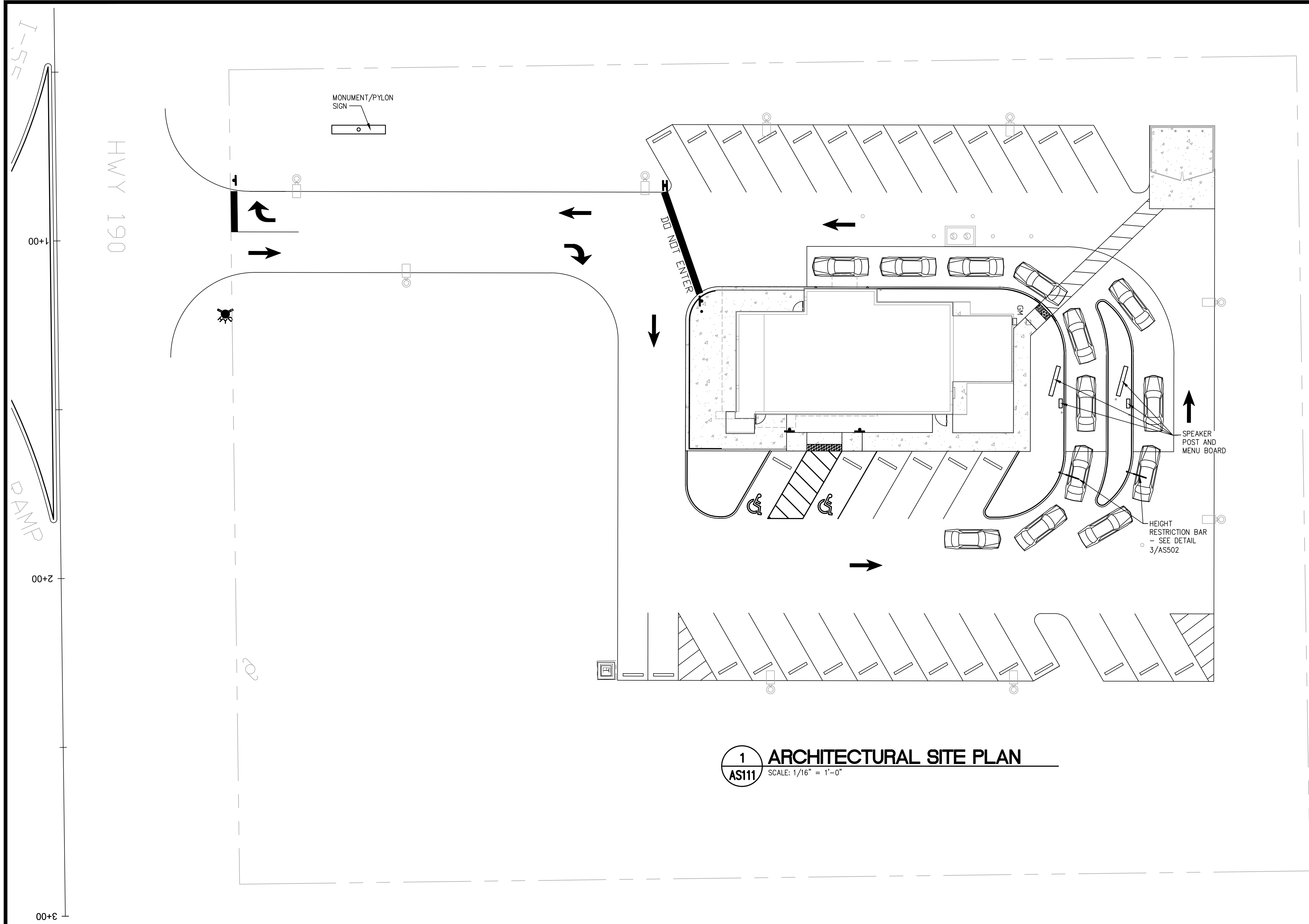
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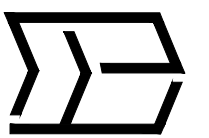
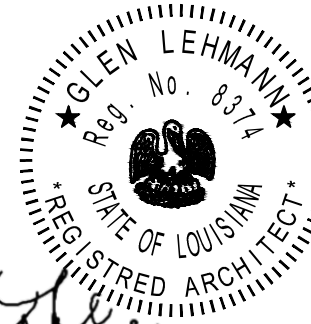
Revisions
THRU ADDENDUM "D"
11/21/2022
PROJECT DATE 06/29/2023
Drawn By CIH
Checked By GRL
Sheet No. A701

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Date: Jun 29, 2023 2:22pm

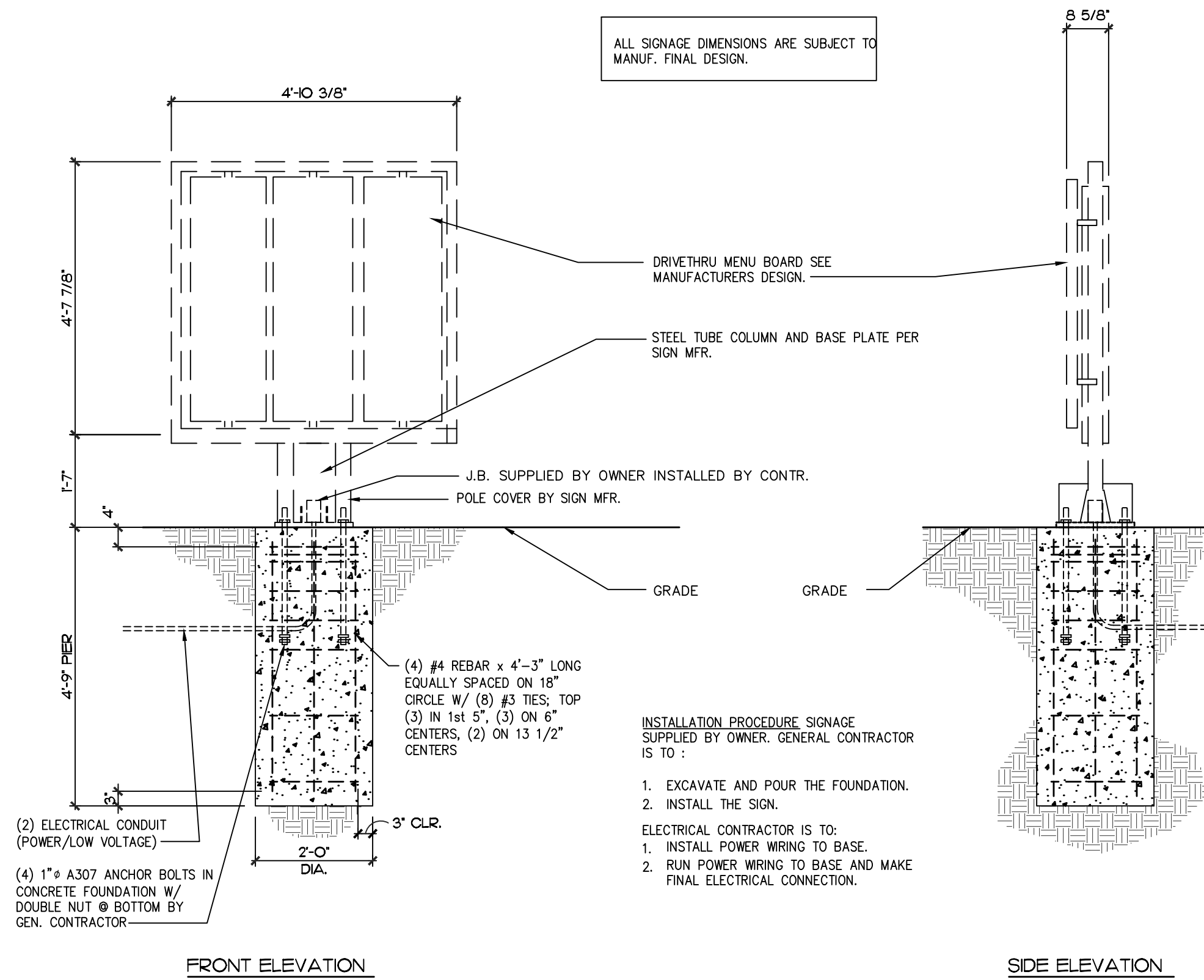
SECTION 08417 ALUMINUM STOREFRONT SYSTEM	LHMT Project No. 23047.00	
	THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND MAY NOT BE REPRODUCED OR USED WITHOUT THE WRITTEN PERMISSION.	
PART 1 GENERAL	NATIONAL RESTAURANT DESIGNERS A DIVISION OF LHMT ASSOCIATES 7208 ACC BLVD. 2ND FLOOR FALEIGH, NC 27617 Phone: 919.842.0267 Fax: 919.844.9399	
	PROJECT: HIGHWAY 55 3.2 PROTOTYPE 3236 HWY 190 HAMMOND, LA 70401 DRAWING: ARCHITECTURAL SPECIFICATIONS	
1.01 SUMMARY	7/10/23	
	A. provide aluminum storefront systems that will withstand wind pressure loads for the location indicated on the drawings per national, state and local codes.	
1.02 RELATED SECTIONS	SECTION 09705 — SILIKAL FLOORING (continued)	
1.03 QUALITY ASSURANCE	6. Delivery, Storage, And Handling: A. All material shall be delivered in original Manufacturer's sealed containers with all pertinent labels intact and legible. B. Store materials in dry protected area between 25 degrees and 80 degrees Fahrenheit. Keep out of direct sunlight. Protect from open flame; keep all containers grounded. C. Follow All Manufacturer's specific label instructions and prudent safety practices for storage and handling.	
1.04 SUBMITTALS	7. Project/Site Conditions: A. Materials, air, and surface temperatures shall be in the range of 32 degrees to 85 degrees Fahrenheit during application and cure, unless a special formulation is being used and manufacturer has been consulted. B. Relative humidity in the specific location of the application shall least 5 degrees above the dew point. C. Conditions required of new concrete to be coated.	
	1. Concrete shall be moisture cured for a minimum of 7 days at a minimum of 28 days prior to application of the coating system pending moisture testing. 2. Surface contaminants such as curing agents, membranes, or other bond breakers should not be used.	
1.05 WARRANTY	3. Concrete shall have a "rubbed" finish; float or darby finish the concrete (a hard steel trowel is neither necessary nor desirable) to the finished grade of the topping. 4. Concrete shall have a moisture emission rate of no more than 5lbs. per 1000 sq. ft. per 24 hour period as determined by proper Calcium Chloride Testing. Concrete R/H must be 85% by (Food and Drug Administration (FDA) authorization) for incidental contact with protimeter. Readings greater than 5 by the Calcium Chloride method or 85% by protimeter, may required a preliminary treatment with Silikal RE40. E. Vapor Barriers and/or suitable means shall have been installed beneath grade slabs to prevent vapor transmission. Consult technical dept.	
PART 2 PRODUCTS	8. Warranty: Manufacturer warrants that materials shipped to buyers are at the time of shipment substantially free from material defects and will perform substantially according to published literature if used strictly in accordance with prescribed procedures and prior to expiration date.	
	9. Materials: 1. Silikal 61 CD Decorative Quartz Flooring 2. Moisture Vapor Treatment (if required) Silikal RE40 3. Saturating Primer/Silikal Coat: Silikal R41 with Additive I 4. Patching/Sloping (if required) Silikal R17 Polymer Concrete 5. Coving (if required) Silikal HK20 with Silikal filler CQ 6. Topping: Silikal R61 Quartz, consisting of Silikal R61 resin and Silikal Filler 7. Topcoat(s): Silikal R81 Colorless Silikal Topcoat Resin. 7. Silikal CQ for broadcasting: Color Quartz Grey. 8. Aluminium Oxide (if required)	
2.01 MATERIAL	10. Prepwork inspection: Examine all surfaces to be coated with flooring material systems and report to the Owner and/or Engineer any conditions that will adversely affect the appearance or performance of these coating systems and that cannot be put into acceptable condition by the preparatory work. Do not proceed with application until the surface is acceptable or authorization to proceed is given by the Manufacturer's representative.	
PART 3 EXECUTION	11. Surface Preparation: Concrete substrate must be clean and dry. Dislodge dirt, loose material, laitance, and other dry debris. Remove surface accumulations and contamination by scraping, brushing, sweeping, vacuuming, and/or compressed air blowdown, to the acceptance of manufacturer.	
	12. Installation: A. Application of Silikal 61 CQ flooring system consists of: 1. applying moisture vapor treatment (if required) 2. applying the primer, 3. applying coving (if required) 4. performing patching and sloping with polymer concrete (if required), 5. re-priming polymer concrete areas 6. applying the topping, broadcasting the quartz 7. applying the topcoat(s) Time for curing (45–60 minutes) shall be allowed each coat. B. Installation shall be by manufacturers written requirements and procedures.	
3.01 EXAMINATION	13. Cleaning: Applicator shall remove any material spatters and other material that is not where it should be. Remove masking and covers taking care not to contaminate surrounding area. Applicator shall repair any damage that should arise from either the application or clean-up effort.	
3.02 PREPARATION	DIVISION 10 SPECIALTIES	
3.03 INSTALLATION	SECTION 10522 FIRE EXTINGUISHERS	
3.05 FIELD QUALITY CONTROL	PART 1 GENERAL	
	1.01 SUBMITTALS	
3.06 ADJUSTING AND CLEANING	A. product data: required B. shop drawings: not required C. samples: not required	
END OF SECTION 08417	PART 2 PRODUCTS	
	2.01 MANUFACTURERS/PRODUCTS	
SECTION 08710 FINISH HARDWARE	A. coordinate with local municipalities and provide fire extinguishers. B. fire extinguisher, m.s.s.: see drawings for specifications.	
PART 1 GENERAL	PART 3 EXECUTION	
	3.01 SCHEDULES	
1.01 GENERAL	A. install as required.	
1.02 KEYING	END OF SECTION 10522	
	DIVISION 11 EQUIPMENT	
1.03 GUARANTEE	SEE SHEET FSI	
END OF SECTION 08710	DIVISION 12 FURNISHINGS	
	SEE SHEET FSI	
SECTION 08800 GLASS & GLAZING	DIVISION 13 SPECIAL CONSTRUCTION	
PART 1 GENERAL	NONE SPECIFIED	
	DIVISION 14 CONVEYING SYSTEMS	
1.01 SUMMARY	NONE SPECIFIED	
1.02 QUALITY STANDARDS	PROJECT DATE 06/29/2023	
1.03 GUARANTEE	Drawn By CIH	
	Checked By GRL	
END OF SECTION 08800	DIVISION 15 MECHANICAL	
	SEE MECHANICAL DRAWINGS	
SECTION 08900 GYPSUM WALLBOARD	DIVISION 16 ELECTRICAL	
PART 1 GENERAL	SEE ELECTRICAL DRAWINGS	
	END OF SPECIFICATIONS	
1.01 SUMMARY	A. provide and install glazing and accessories where shown on the drawings and as specified herein. glazing types and sizes shall be as per the drawings & window schedule.	
1.02 QUALITY STANDARDS	A. glazing standards: comply with recommendations of flat glass marketing association (fgma) "glazing manual" and "sealant manual" except where more stringent requirements are indicated. refer to those publications for definitions of glass and glazing terms not otherwise defined in this section or other referenced standards.	
1.03 GUARANTEE	B. safety glazing product: where safety glass is indicated or required by authorities having jurisdiction, provide type of products indicated which comply with ansi z97.1 and testing requirements of cpsc 16 cfr part 1201 for category i materials.	
END OF SECTION 08900	C. fire-resistance-rated wire glass: provide wire glass products that are identical to those tested per astm e 163 (ul 9) and are labeled and listed by ul or other testing and inspecting agency acceptable to authorities having jurisdiction.	
	D. single source responsibility: provide materials obtained from one source for each type of glazing product indicated.	
SECTION 09110 METAL STUDS	E. provide glass and glazing that has been produced, fabricated and installed to withstand normal temperature changes, wind loading , impact loading, without failure including loss or breakage of glass, failure of sealments or gaskets to remain watertight and airtight, deterioration of glass and glazing materials, and other defects in the work.	
PART 1 GENERAL	F. field measure all openings or areas to receive glass and glazing to ascertain correct fit. improperly sized glass or glazing shall be replaced at no additional cost to owner.	
	1.01 GENERAL	
1.02 MORTAR AND GROUT	A. mortar shall be portland cement astm c150, type 1, grout shall be acid resistant upco hydroment, type as recommended by the manufacturer for the specific type of tile and method of installation. color for floor tile is specified on the drawings.	
1.03 CLEANING	B. do not grout tile until tile is firmly set, soak or dampen joints of the tile to be grouted with portland cement grout, soak or dampen other joints as recommended by the grout manufacturer, force grout into joint lines completely, fill joints with compacted grout and covering mortar. finish joints of square edged tile flush with surface. strike off tool joints of cushion edged tile to depth of cushion. fill gaps and skips, and retrow.	
END OF SECTION 09110	1.04 METAL SUSPENSION SYSTEM	
	A. provide system as specified on sheet i1 – finish schedules, suspension system shall be exposed tee-grid, double web, intermediate duty (astm c635), electro galvanized, cold-rolled steel, 15/16 inches wide, copped bottom flange. white in color. system to include all cross ties, bridging trees, intersection clips, splices, complete exposed grid system.	
SECTION 09250 GYPSUM WALLBOARD	B. lay out pattern in accordance with the drawings, level, true to plane, & at the required elevation, frame around all openings in ceiling lights and grilles with main runners. hangers are to be spaced at 4'-0" on center maximum. provide additional hangers as required to support lightfixtures and hvac registers and grilles and interferences . of duct work	
PART 1 GENERAL	C. secures wires by looping and wire-tying, either directly to structures or to inserts, eye screws, or other devices appropriate for substrate. screw attach edge moldings to substrate at intervals not over 16 inches on center and not more than 3 inches from ends. level grid to a tolerance of 1/8inch in 12 feet.	
	END OF SECTION 09250	
1.01 GENERAL	A. gypsum wallboard work shall conform to the gypsum association "recommended specifications for the application and finishing of gypsum wallboard."	
1.02 MORTAR AND GROUT	B. examine substrates to which dry wall construction attaches or abuts, preset hollow metal frames, cast-in-anchors, and structural framing for compliance with requirements for installation tolerance & other conditions affecting performance of dry wall construction. do not proceed with installation until unsatisfactory conditions have been corrected.	
1.03 CLEANING	C. do not tape and finish gypsum board when the temperature is below 60 degrees fahrenheit, the temperature of the rooms shall be held at 60 degrees fahrenheit for 48 hours before taping and finishing is to begin, maintain 60 degrees fahrenheit during and after installation. ventilates as required to remove excess humidity.	
END OF SECTION 09250	1.02 GYPSUM WALLBOARD	
	A. gypsum wallboard shall be manufactured by u.s. gypsum. wallboard is to meet astm c36–84o an des–1–30d 1/2 inches thick, 48 inches wide with tapered edges.	
SECTION 09300 CERAMIC TILE	B. fire rated partitions install wallboard to meet separate requirements, use type iii, grade xclass 1, 5/8 inches thick fire retardant wallboard.	
PART 1 GENERAL	C. install gypsum board with true, even surfaces and straight, sharp corners. use full length boards where possible, end joints on the same side of a wall shall be staggered and joint on opposite side shall not occur over the same support. do not locate normal end joints at edge of openings, form joints neatly, butt boards together but do not force into place. do not buttedges against tapered edges. no joint shall have a gap greater than 1/4 inch.	
	END OF SECTION 09300	
1.01 GENERAL	A. ceramic and types are indicated on the drawings and are from a single manufacturer. other manufacturers will not be considered.	
1.02 MORTAR AND GROUT	B. deliver materials in original containers with seals unbroken and labels intact until time of uses, engage an experienced installer who has successfully completed tile installations similar in material, design, and extent to that indicated for the project.	
1.03 CLEANING	C. comply with parts of ansi 108 series of fire installation standards included under "american national standard specifications for the installer of ceramic tile" that apply to type of setting and grout materials and methods indicated. tile may be thin-set.	
END OF SECTION 09300	1.04 METAL SUSPENSION SYSTEM	
	A. provide system as specified on sheet i1 – finish schedules, suspension system shall be exposed tee-grid, double web, intermediate duty (astm c635), electro galvanized, cold-rolled steel, 15/16 inches wide, copped bottom flange. white in color. system to include all cross ties, bridging trees, intersection clips, splices, complete exposed grid system.	
SECTION 09511 ACOUSTIC PANEL CEILINGS	B. lay out pattern in accordance with the drawings, level, true to plane, & at the required elevation, frame around all openings in ceiling lights and grilles with main runners. hangers are to be spaced at 4'-0" on center maximum. provide additional hangers as required to support lightfixtures and hvac registers and grilles and interferences . of duct work	
PART 1 GENERAL	C. secures wires by looping and wire-tying, either directly to structures or to inserts, eye screws, or other devices appropriate for substrate. screw attach edge moldings to substrate at intervals not over 16 inches on center and not more than 3 inches from ends. level grid to a tolerance of 1/8inch in 12 feet.	
	END OF SECTION 09511	
1.01 GENERAL	A. coordinate layout and installation of acoustical ceiling units and suspension system components with other construction that penetrates ceilings or is supported by them, including light fixtures and hvac equipment.	
1.02 MINERAL-FIBER ACOUSTICAL PANELS	A. provide acoustical panels as specified on sheet i1 – finish schedules, 24 inches by 24 inches by 3/4inches thick square edge, refer to drawings for color selection and limits of tile installation.	
END OF SECTION 09511	B. install in strict accordance with the manufacturer's printed instructions, arrange acoustical units and orient directional pattern of tiles for a uniform appearance. rest panels on flangesor inverted tees with tile units fitting neatly against butting surface and support by wall angles.	
	1.03 GYPSUM-BASE PANELS WITH VINYL MEMBRANE-FACED OVERLAY	
SECTION 09705 SILIKAL FLOORING	A. provide acoustical panels as specified on sheet i1 – finish schedules, 24 inches by 24 inches by 3/4inches thick square edge. refer to drawings for color selection and limits of tile installation.inches thick square edge. refer to drawings for color selection and limits of tile installation.	
PART 1 GENERAL	B. install in strict accordance with the manufacturer's printed instructions, arrange acoustical units and orient directional pattern of tiles for a uniform appearance. rest panels on flanges or inverted tees with tile units fitting neatly against butting surface and support by wall angles.	
	1.04 METAL SUSPENSION SYSTEM	
1.01 GENERAL	A. provide system as specified on sheet i1 – finish schedules, suspension system shall be exposed tee-grid, double web, intermediate duty (astm c635), electro galvanized, cold-rolled steel, 15/16 inches wide, copped bottom flange. white in color. system to include all cross ties, bridging trees, intersection clips, splices, complete exposed grid system.	
1.02 MORTAR AND GROUT	B. lay out pattern in accordance with the drawings, level, true to plane, & at the required elevation, frame around all openings in ceiling lights and grilles with main runners. hangers are to be spaced at 4'-0" on center maximum. provide additional hangers as required to support lightfixtures and hvac registers and grilles and interferences . of duct work	
1.03 CLEANING	C. secures wires by looping and wire-tying, either directly to structures or to inserts, eye screws, or other devices appropriate for substrate. screw attach edge moldings to substrate at intervals not over 16 inches on center and not more than 3 inches from ends. level grid to a tolerance of 1/8inch in 12 feet.	
END OF SECTION 09705	END OF SECTION 09511	
	END OF SECTION 09705	

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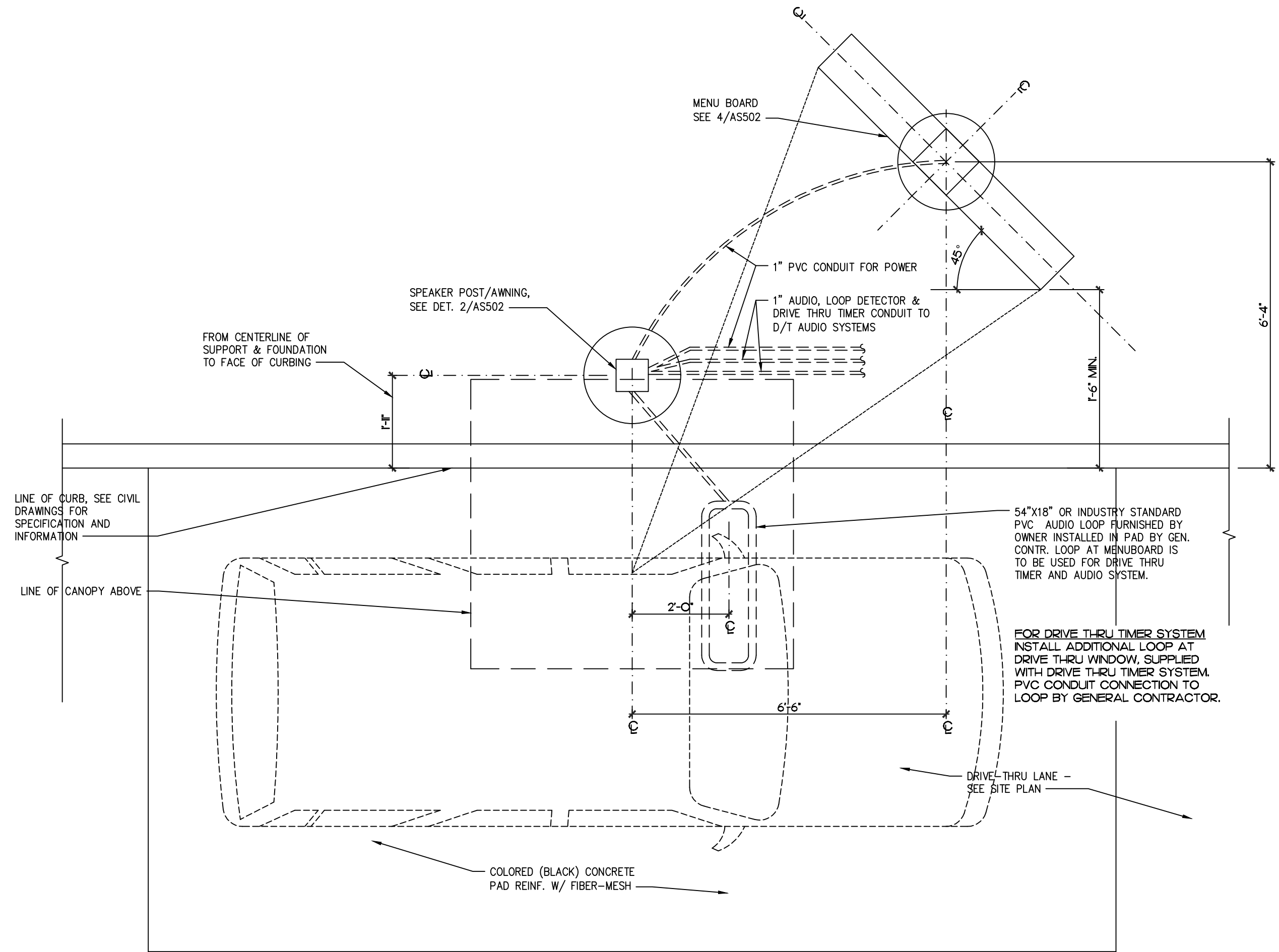


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 NATIONAL RESTAURANT DESIGNERS A DIVISION OF LMHT ASSOCIATES 7208 ACC BLVD, 2ND FLOOR, RALEIGH, NC 27617 Phone: 919.244.0087 Fax: 919.544.9399	
 7/10/23	
PROJECT: HIGHWAY 55 3.2 PROTOTYPE	3236 HWY 190 HAMMOND, LA 70401
DRAWING: ARCHITECTURAL SITE PLAN	
Revisions	
THRU ADDENDUM	"D"
11/21/2022	
PROJECT DATE	06/29/2023
Drawn By	CIH/CDK
Checked By	NRD
Sheet No.	AS111

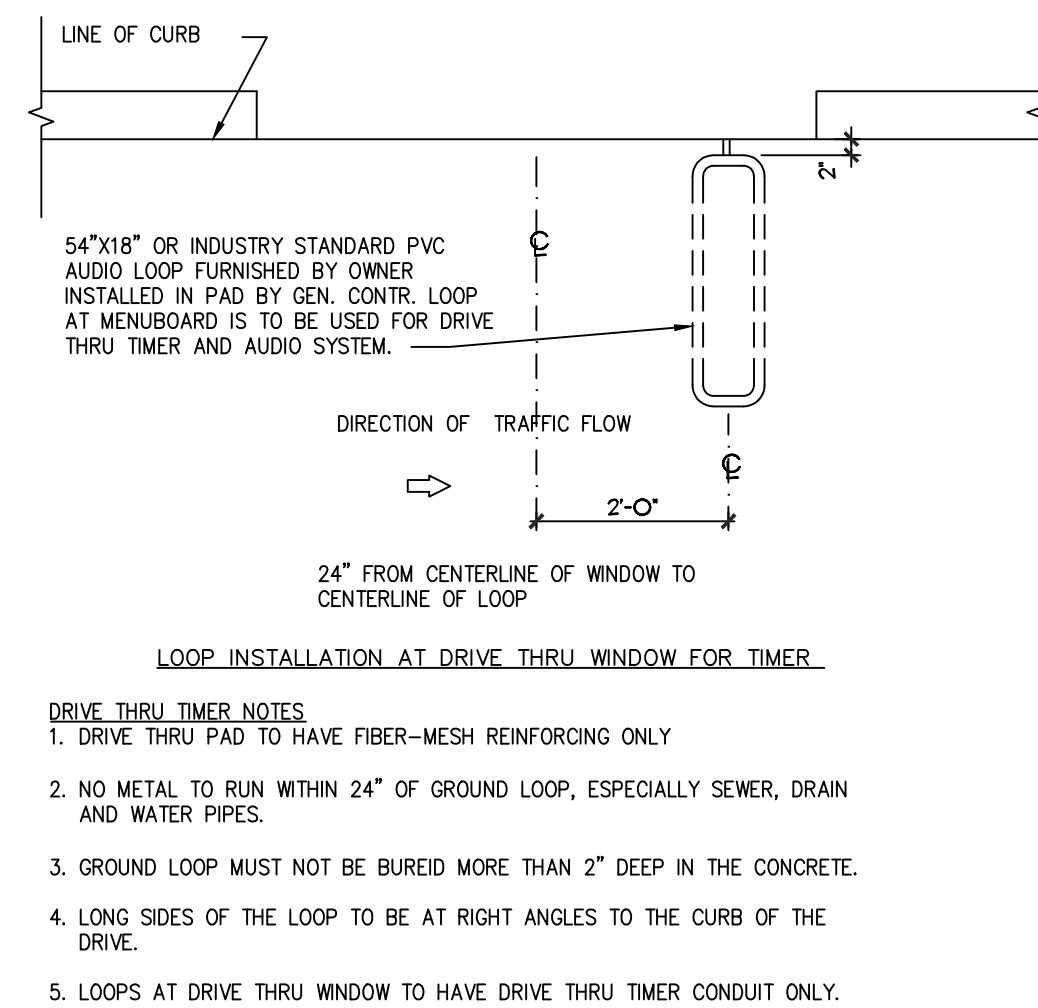
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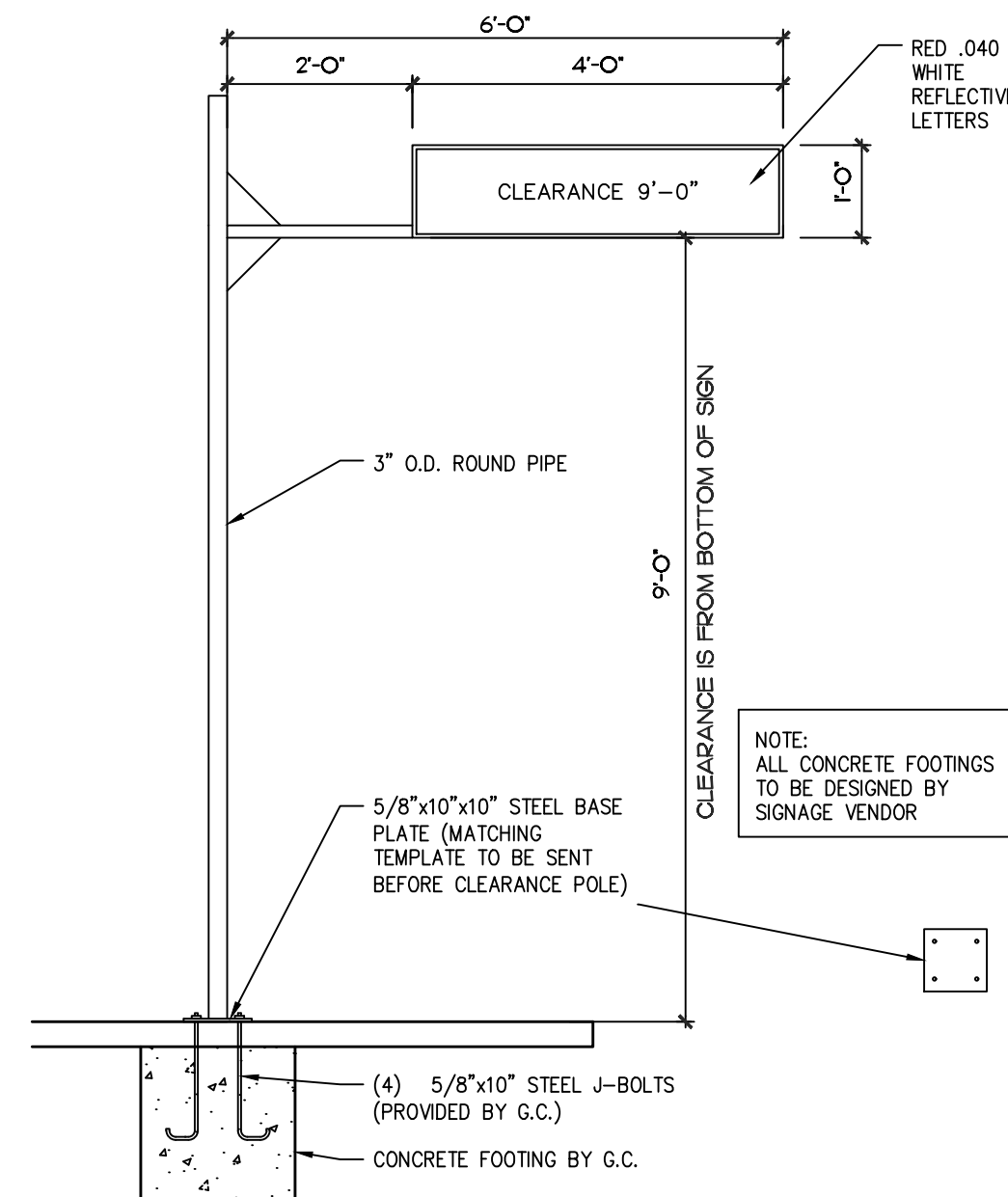
4 DRIVE THRU MENU BOARD
AS502 SCALE: 1/2" = 1'-0"



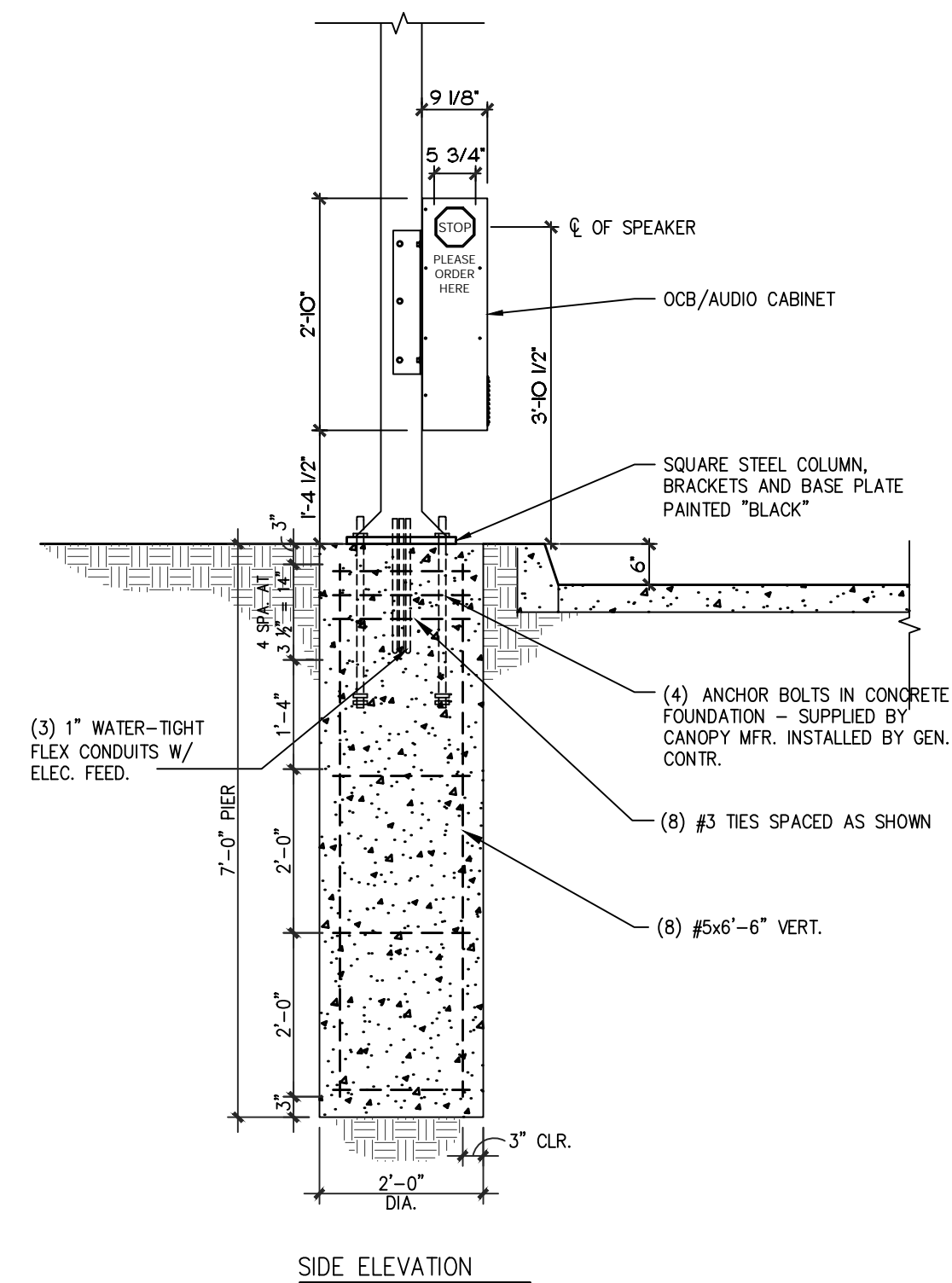
1 DRIVE THRU MENU BOARD LAYOUT
AS502 SCALE: 1/2" = 1'-0"



5 DETECTOR LOOP SCHEMATIC AT DRIVE THRU WINDOW
AS502 SCALE: 1/2" = 1'-0"



3 HEIGHT RESTRICTION BAR
AS502 SCALE: 1/2" = 1'-0"



2 DRIVE THRU SPEAKER W/ ORDER BOARD
AS502 SCALE: 1/2" = 1'-0"

7/10/23

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By
CIH

Checked By
GRL

Sheet No.

AS502

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Plotted Date: Jun 29, 2023 -- 2:30pm

DT CHOICE 120VAC

OUTDOOR DRIVE-THRU MENU BOARD

INSTALLATION INSTRUCTIONS & USER GUIDE

1

It is the intent of these drawings to be used as guidelines only, for the installation of the equipment illustrated. The information contained in these documents has set forth certain assumed conditions. It shall be the responsibility of the purchaser and his contractor to verify these assumptions with local governing agencies. In addition, certain assumptions have been made and noted on the drawings and specifications for soil bearing capacity. It shall be the responsibility of the purchaser and his contractor to verify these assumptions and make the necessary revisions to the structure and the parking lot design, as indicated on the site documents provided by the owner/tenant. It shall be the responsibility of the purchaser and his contractor to submit these documents to the proper governing agencies for their review and to make all necessary modifications and/or revisions.

IMPORTANT: IF AN OPTIONAL APPENDAGE IS TO BE INSTALLED, IT IS RECOMMENDED THAT IT BE MOUNTED ON THE SIDE FARTHEST FROM THE DRIVE. IF THIS IS NOT FEASIBLE, CARE SHOULD BE TAKEN TO ALLOW AMPLE CLEARANCE BETWEEN THE DRIVE AND THE APPENDAGE. FOR INSTALLATION OF THE OPTIONAL APPENDAGE, REFER TO INSTRUCTION SHEET PROVIDED WITH APPENDAGE.

NOTE: For new concrete installations, it is possible that you have only received the necessary hardware to mount the pedestal base. This hardware is listed under item #1, below.

1. Before beginning installation, check that you have all required hardware:

MENU BOARD HARDWARE

A. One (1) Template
B. Four (4) Anchor Bolts
C. Eight (8) Hex Nuts

2

Determine whether the menu board will be installed on a curved or straight drive (see Diagram A). Follow the proper detail for information about locating the menu board and optional speaker post. Note: These diagrams are to be used as a guide only; if they cannot be followed exactly, some modification may be made to allow for the best suited location for your installation.

DIAGRAM A see Diagram B & C for dimensions

CURVED DRIVE

STRAIGHT DRIVE

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OUTDOOR DRIVE-THRU MENU BOARD

INSTALLATION INSTRUCTIONS & USER GUIDE

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If the menu board is to be set back from the remote speaker / microphone post, see **Diagram B** for recommended positions. Construct mounting post foundation referencing **Diagram E/F**, and in accordance with local codes. Note: The conduit for the high voltage (120VAC) wiring must run into the back hole of the pedestal base (as viewed from the front of the menu board). Secure the template as shown in **Diagram E/F**, Template. **Note: Four (4) hex nuts are embedded in the foundation below the template, and four (4) more are above it.** Be sure that the 3/4" diameter anchor bolts extend 2-3/4" above top of footing. For speaker post foundation construction and installation, refer to the outdoor remote speaker system installation instructions, provided with the outdoor remote speaker system.

DIAGRAM B Menu Board w/Remote Speaker Post

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If the menu board is to be curbside with the speaker and microphone built in, (see **Diagram C**). **WARNING: DO NOT ROUTE THE SPEAKER OR MICROPHONE CABLES THROUGH THE SAME CONDUIT WITH 120VAC ELECTRICAL WIRING. THIS VIOLATES ELECTRICAL CODES, PRESENTS A SAFETY HAZARD, AND CAN CAUSE HUM PICKUP. THE CONDUIT FOR THE HIGH VOLTAGE (120VAC) WIRING MUST RUN INTO THE BACK HOLE OF THE PEDESTAL BASE** (as viewed from the front of the menu board). The conduit for the low voltage speaker/microphone wiring runs through the hole in the front of the pedestal base plate. Be sure to study the diagrams and template before construction. Construct mounting post foundation referencing **Diagram D**, and in accordance with local codes.

DIAGRAM C Menu Board w/Built-In Speaker

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Construct the foundation according to local codes.

DIAGRAM D Configurations

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PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: DRIVE THRU INSTRUCTION SHEETS

Revisions

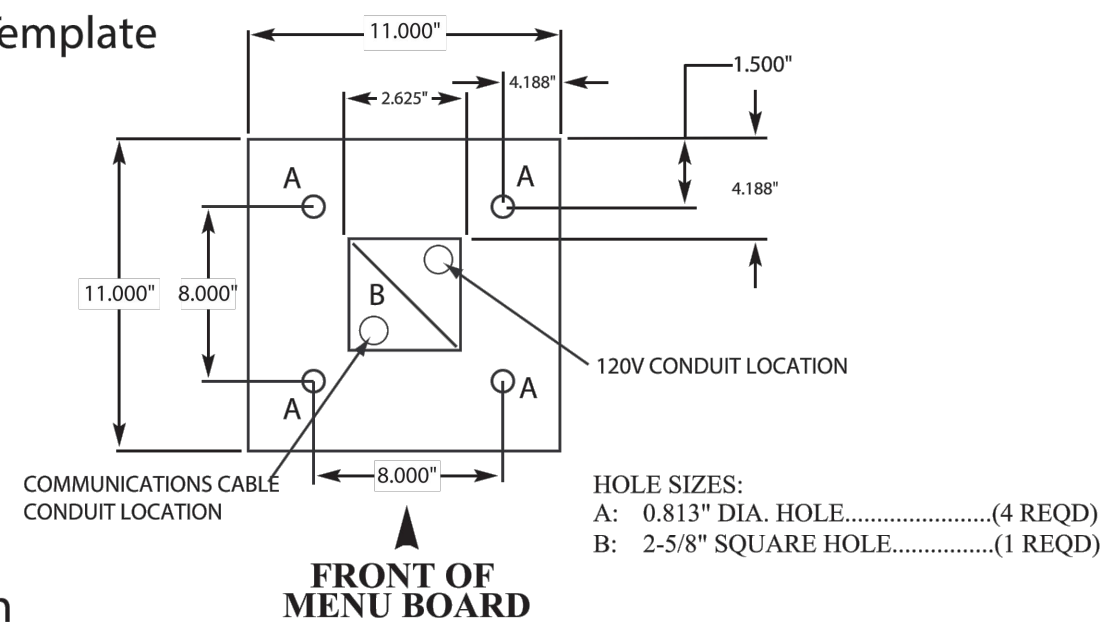
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11/21/2022	
PROJECT DATE	06/29/2023
Drawn By	CIH
Checked By	GRL
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Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:30pm

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DIAGRAM E Menu Board Template & Foundation

Mounting Template

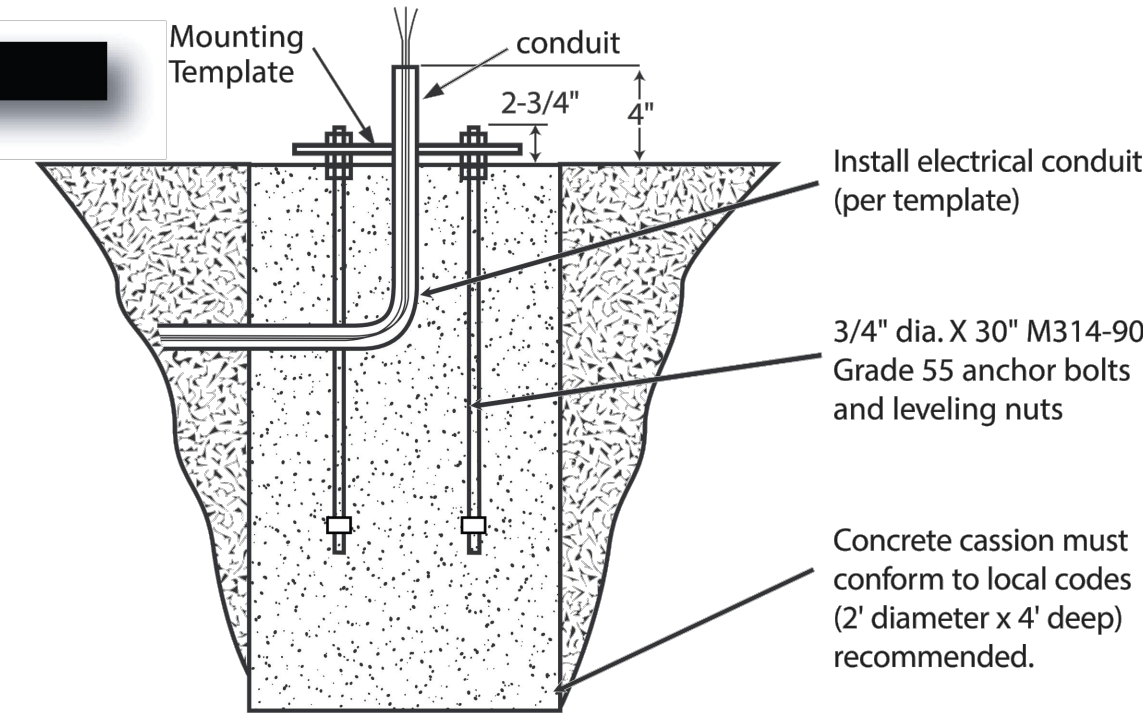


Foundation

The high voltage conduit must be installed in place by a qualified contractor. It runs from the power source to the menu board location. A conduit stub should protrude 4" above the concrete slab (see **Diagram F**). Use the template supplied for the correct relation between the mounting bolts and the conduit location. Power and ground leads should be pulled through the conduit approximately 12" beyond the conduit stub, and be accessible at the time of final wiring. **Note: The 120VAC power lines run up the inside back of the pedestal base (see Diagram E, Mounting Template)**

After the location is established, pour the concrete footing per local codes. While the concrete is still soft, insert the four (4) anchor bolts. Use the supplied template as a bolt and conduit locator. Anchor bolts should be 2-3/4" above grade (see **Diagram F**, Foundation). **Note: Prior to placing the template down, one (1) nut must be threaded onto each anchor bolt and sunk into the concrete, flush with the top of the nut.** Place the template over the eight (4) anchor bolts and secure in place with four (4) more nuts.

DIAGRAM F



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6 Mounting Menu Board to Foundation

After the concrete has set, remove template and discard. **NOTE: Do not discard the four (4) or, (8) nuts that were just removed.**

The pedestal base plate is now ready to be mounted. Remove any concrete residue from the threads of the anchor bolts. Thread one (1) nut onto each bolt until it stops; then put a flat washer over each bolt. Feed the 120VAC power lines and ground lead into the inside back hole of the bottom of the pedestal base (see **Diagram G**). Set pedestal base onto anchor bolts, place a flat and lock washer over each bolt, and thread on nut.

The top surface of the pedestal base should be rough leveled at this time. Adjust the upper and lower hex nuts until the pedestal base is level and tighten. **NOTE: Final leveling can be done after the menu board is in place (if required).** Use the same procedure as above.

Prepare the pedestal base for mounting the menu board in the following manner: (See **Diagram G**). Remove the high voltage access cover.

Locate the power leads. These will be hanging from the opening in the bottom of the menu board.

Lift the menu board into position, so that the holes in the pedestal base align with the holes in the bottom of the unit. Before placing the menu board all the way down, feed the power leads and ground lead from the menu board opening into the menu post opening.

The menu board is factory wired and needs only to be energized on the job site. This should be done by a qualified electrician only. No disassembly is required. **FOR MENU BOARDS WITH BUILT-IN SPEAKER/MICROPHONE ONLY:** If your menu board has a built-in speaker, run low voltage wires for speaker/microphone unit inside of pedetal base hole, to front of menu board.

Connect speaker/microphone to communication system, as indicated (See **Diagram H**)

Connect unit power leads and grounding conductor (green lead) to the power source. Power source must be 120VAC, 60 Hz. Energize the circuit to check the operation. **WARNING: DO NOT CONNECT THE SPEAKER WIRE TO 120VAC (POWER SOURCE).** Connect the speaker/microphone (if provided) to the internal communication system (see **Diagram H**)

Replace the high voltage access cover.

SPECIFICATIONS:

Box Size: Various Sizes (see **Diagram D**)

Lamps: 48" LED Tubes (T8 Replacement)

Electrical Requirements:
120VAC, 60 Hz

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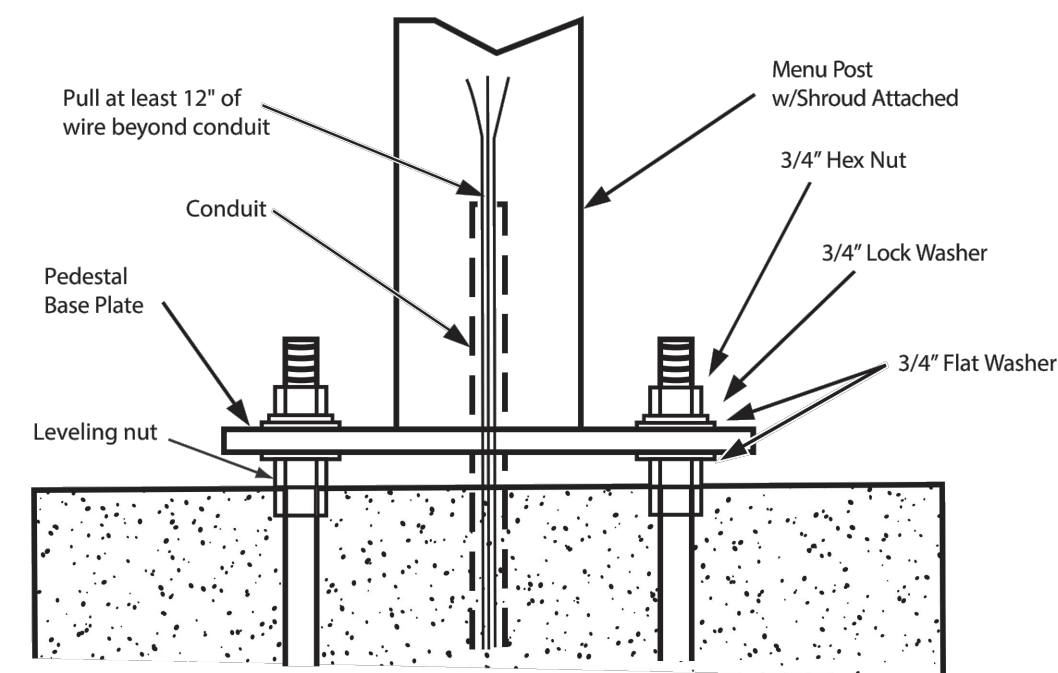
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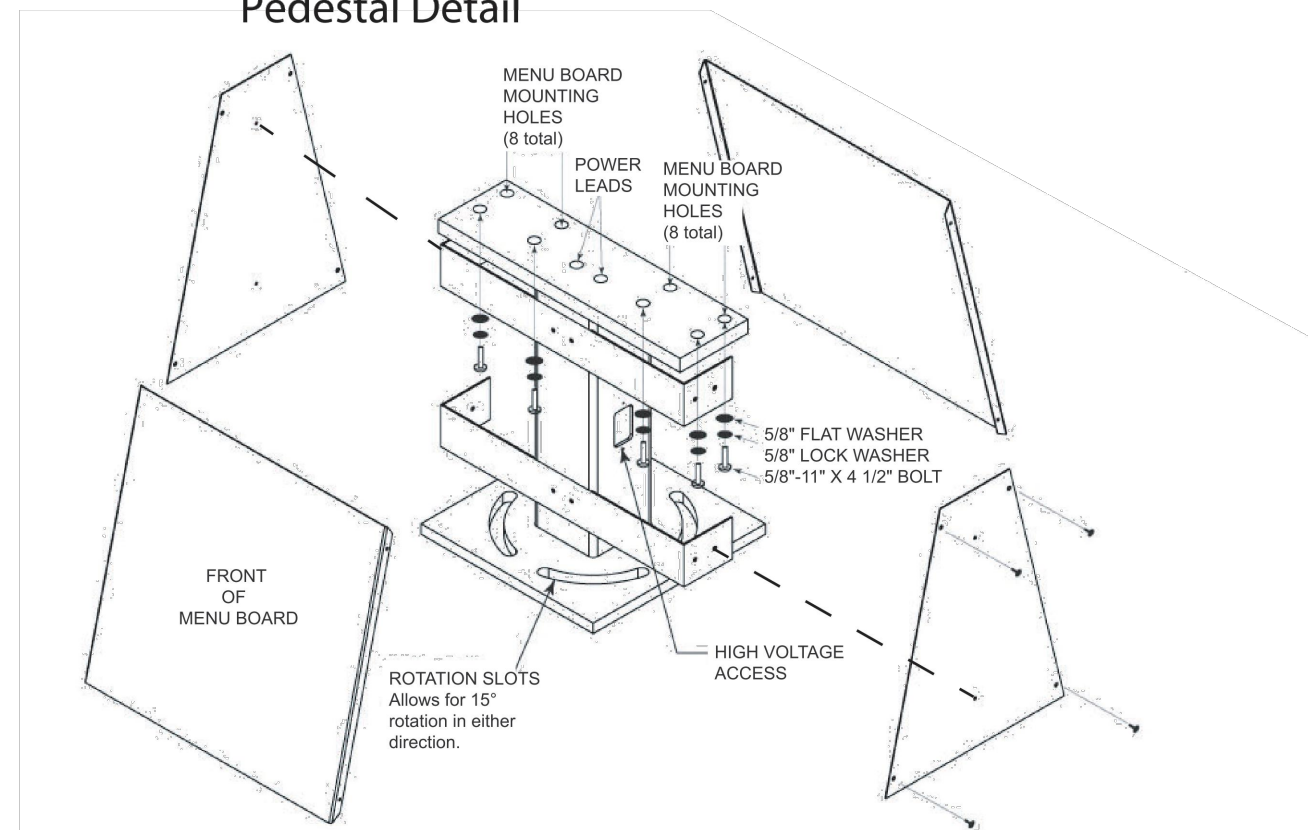


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DIAGRAM G Foundation Details



Pedestal Detail



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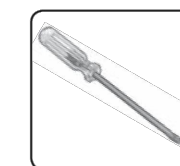
P 7

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Tools Needed:



Phillips Screwdriver

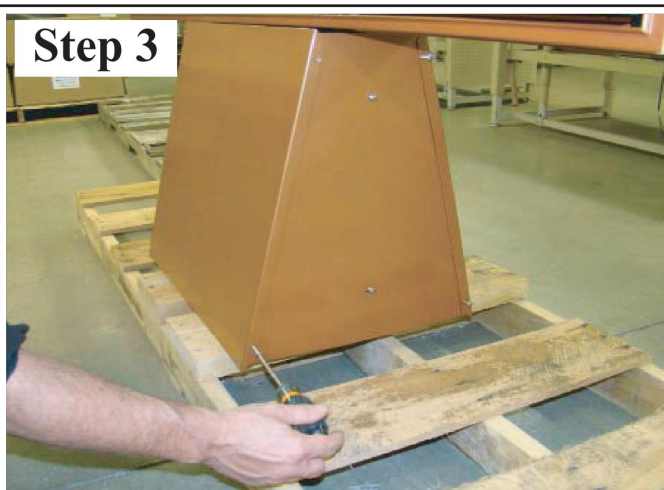
MOUNTING SHROUD COVER



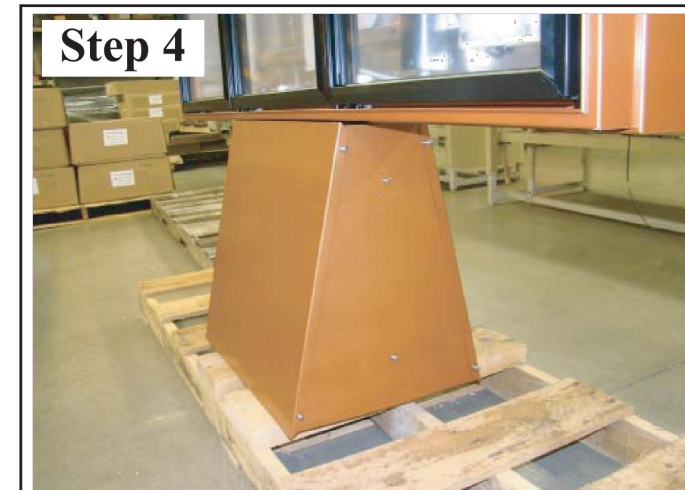
Place side shroud panels on but do not fully tighten screws.



Mount the back shroud panel on first. Do not fully tighten screws. **NOTE: Back panel overlaps side panels.**



Next place the front shroud panel on and screw in place. **NOTE: Front panel overlaps side panels.**



Now that all panels are in place, tighten all screws. **Do not use a power screwdriver or over tighten screws, this may strip the holes.**

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FALEIGH, NC 27617
Phone: 919.244.0067 Fax: 919.544.9399

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PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: DRIVE THRU INSTRUCTION DETAILS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By
CIH

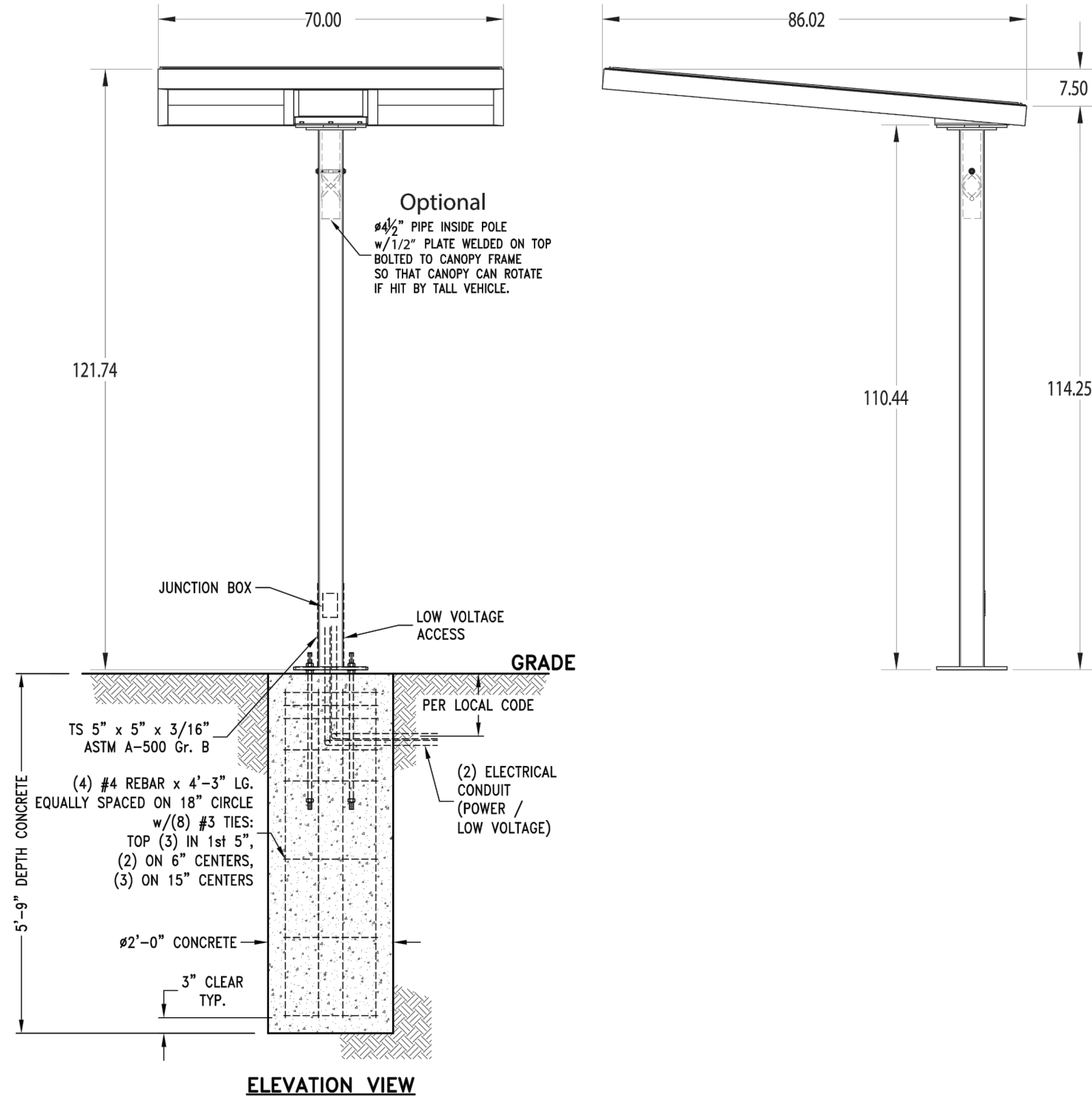
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GRL

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Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:30pm

CANOPY FLAT TOP INSTRUCTIONS



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P 1

8-17-16 C102251-001

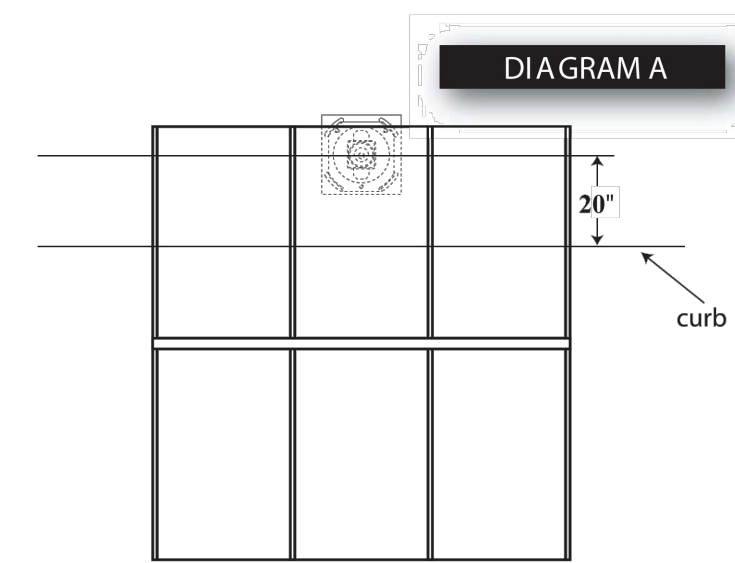
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CANOPY FLAT TOP INSTRUCTIONS

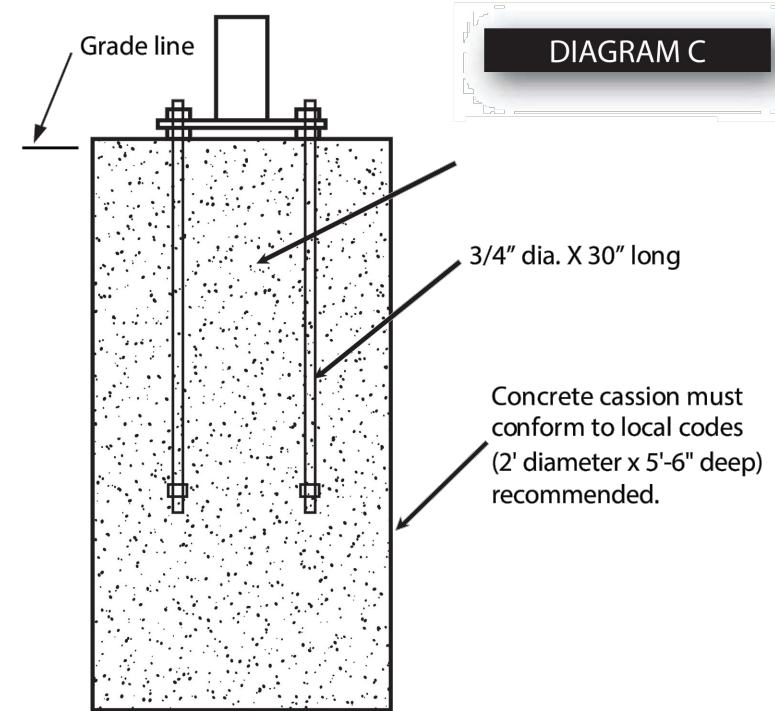
1. Before beginning the installation, check that you have all the required hardware:
w/foundation kit: (4) Anchor bolts, (8) Hex Nuts w/ unit: (4) Hex nuts, (8) Flat washers, (4) Lock washers

2. Determine whether the canopy will be installed on a curved or straight drive (see Diagrams A or B). Follow the proper detail for information about locating the canopy. Note: These diagrams are to be used as a guide only; if they cannot be followed exactly, some modifications should be made to allow for the best suited location for your installation.

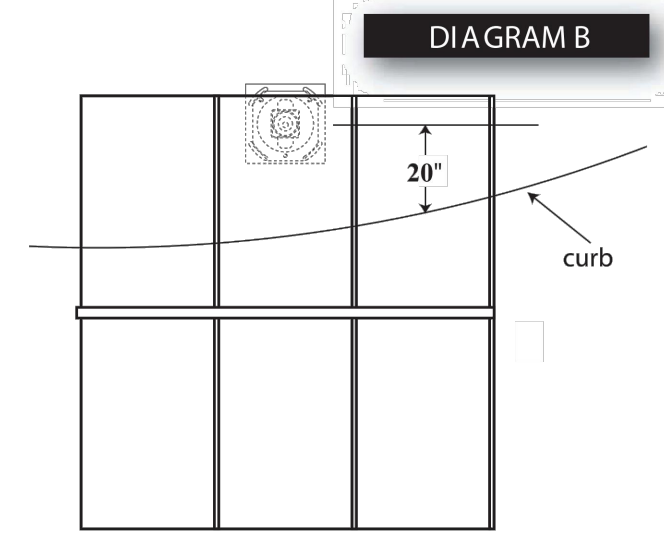
3. In the desired location, construct mounting post foundation referencing Diagram C and in accordance with local codes.



CANOPY LOCATION/POSITIONING
(STRAIGHT)



FOUNDATION CONSTRUCTION
(below grade)



CANOPY LOCATION/POSITIONING
(CURVED)

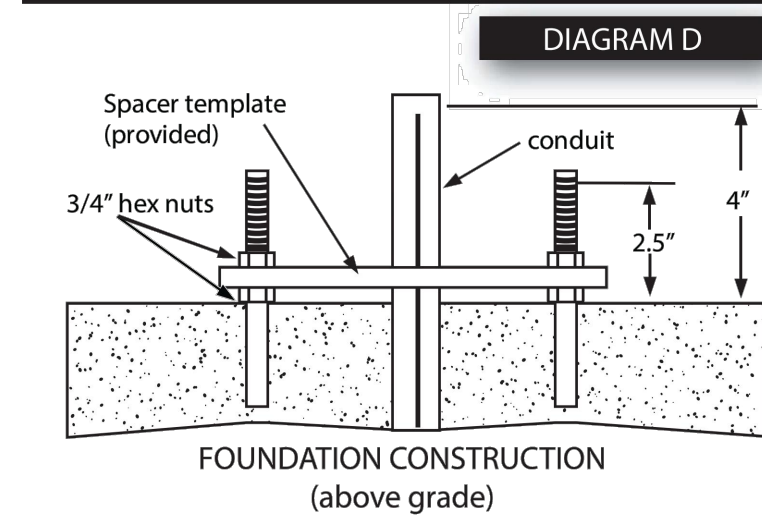
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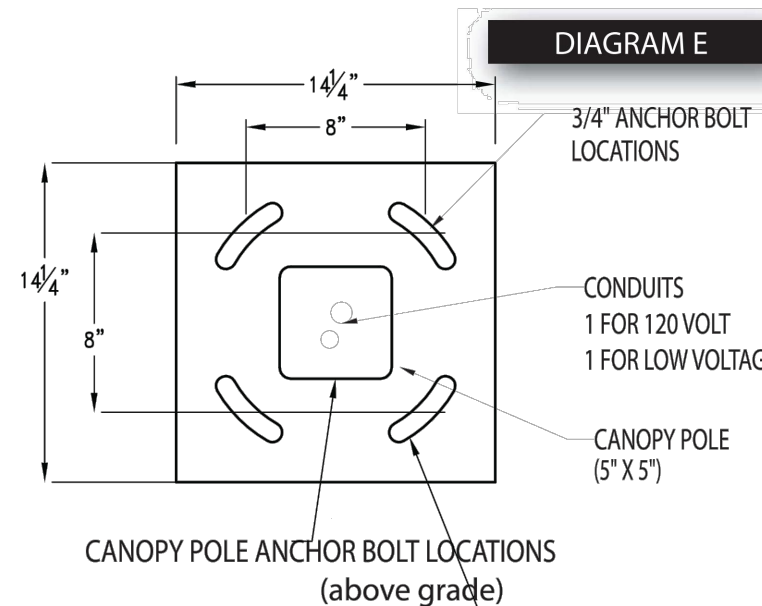
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CANOPY FLAT TOP INSTRUCTIONS

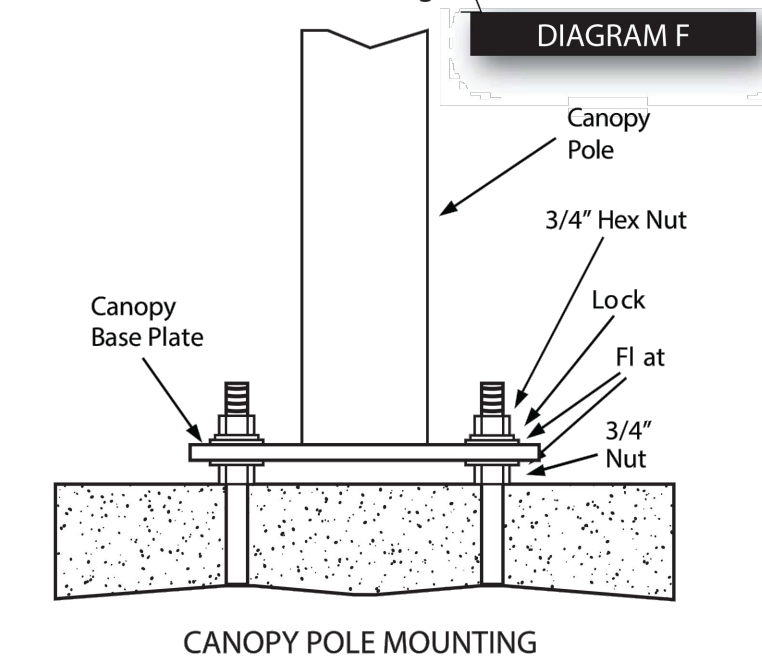


4. The high voltage conduit must be installed in place by a qualified contractor. It runs from the source power to the canopy location. A conduit stub should protrude 4" above the concrete slab. Power and ground leads should be pulled through the conduit approximately 30" beyond the conduit stub and accessible at the time of final wiring.



5. After the concrete has set, remove the template and discard.

6. The canopy is ready to be mounted. Remove any concrete residue from the threads of the anchor bolts. Thread one nut onto each bolt until it stops; then put a flat washer over each bolt. place the unit onto the foundation making sure all of the anchor bolts are positioned in the corresponding canopy pole holes. Secure the unit with flat washers, lock washers, and 3/4" hex nuts (see Diagram F).



7. Level the unit by adjusting the upper and lower hex nuts until the canopy pole is level and tighten the nuts.

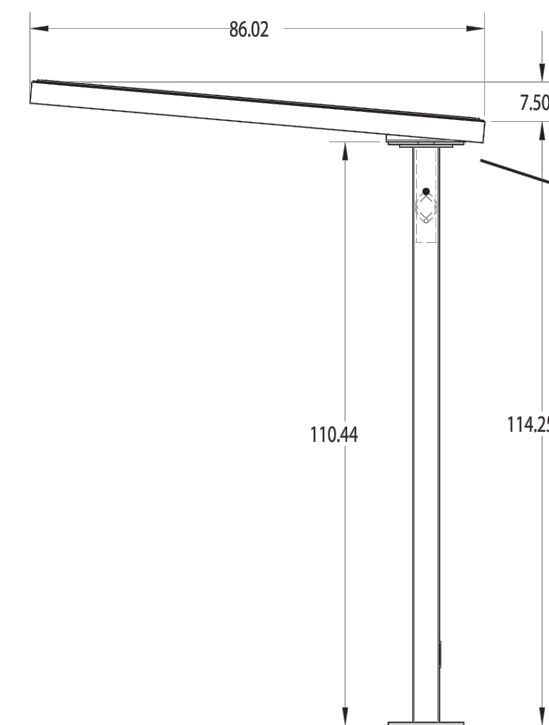
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P 3

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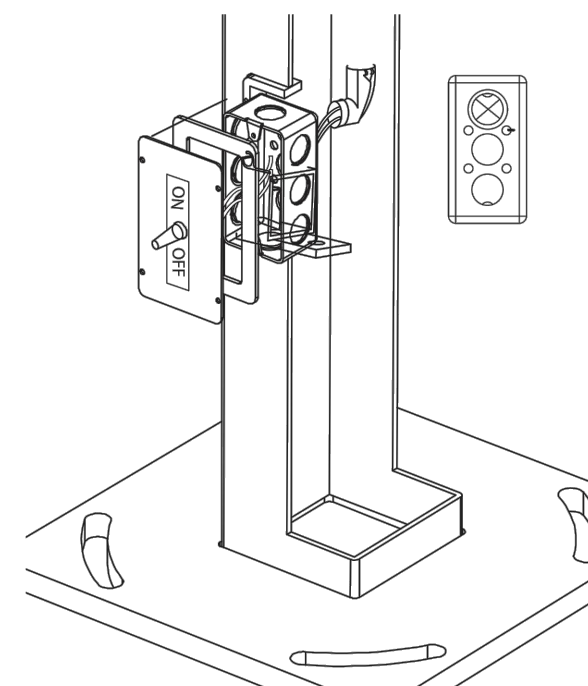
CANOPY FLAT TOP INSTRUCTIONS



Lighting Optional

4X HS15675-001 SCREW,CAP,
1/2-13X1.75",HH,
ASTM A-325,ZNC
4X (4) HS12009-013 WASHER,
FLAT,1/2,0.531X1.250X.065,
SS,PLN

8. Lift canopy into position above top plate of pole. Feed conduit and leads down into pole. Secure with (4) 1/2" bolts, washers, lock washers, and nuts.
Note: fixture and junction box cover not shown



Warning: Be sure power is turned off before proceeding. To wire the on/off switch the access cover must be removed from pole. Insert leads into junction box. Secure conduit to junction box with 90 degree connector (Position at top knockout as shown). Connect switch to lamp wire and power wire from conduit. Wire in accordance with national electrical code. After all connections are made reconnect switch plate to pole.

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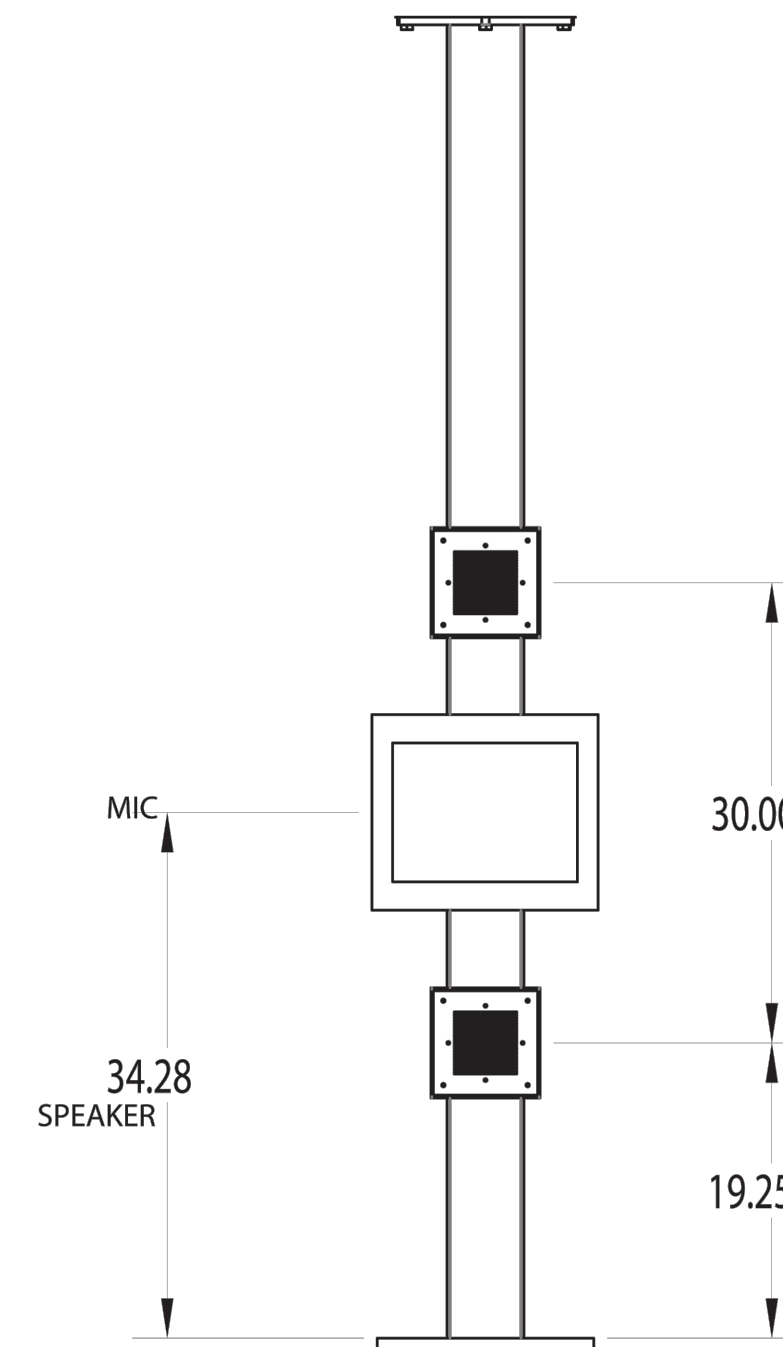
P 4

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CANOPY FLAT TOP INSTRUCTIONS

Canopy Options for Order Confirmation (3M or Howard Co Speaker and MIC)



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PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: CANOPY FLAT TOP

Revisions

THRU ADDENDUM "D"
11/21/2022

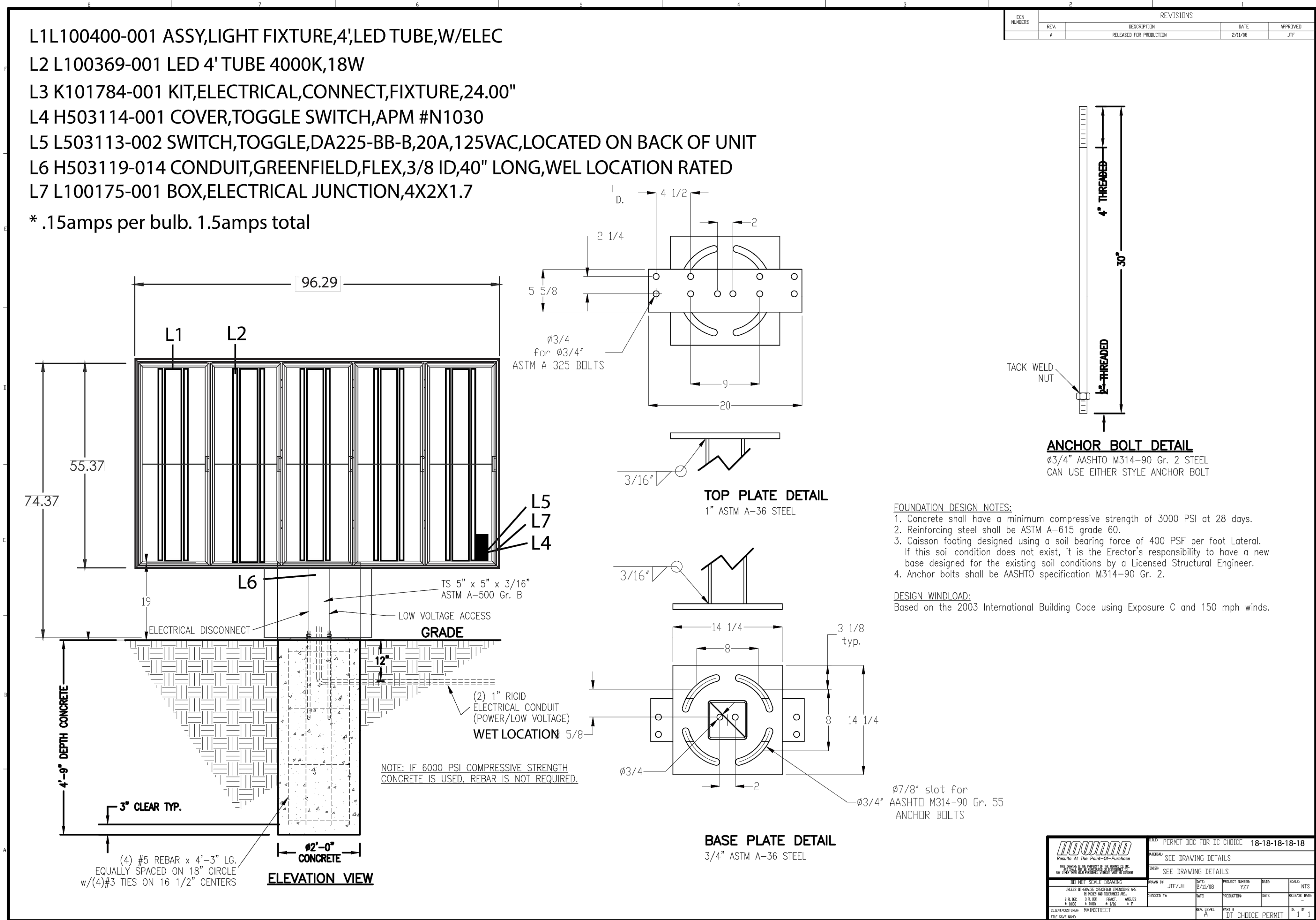
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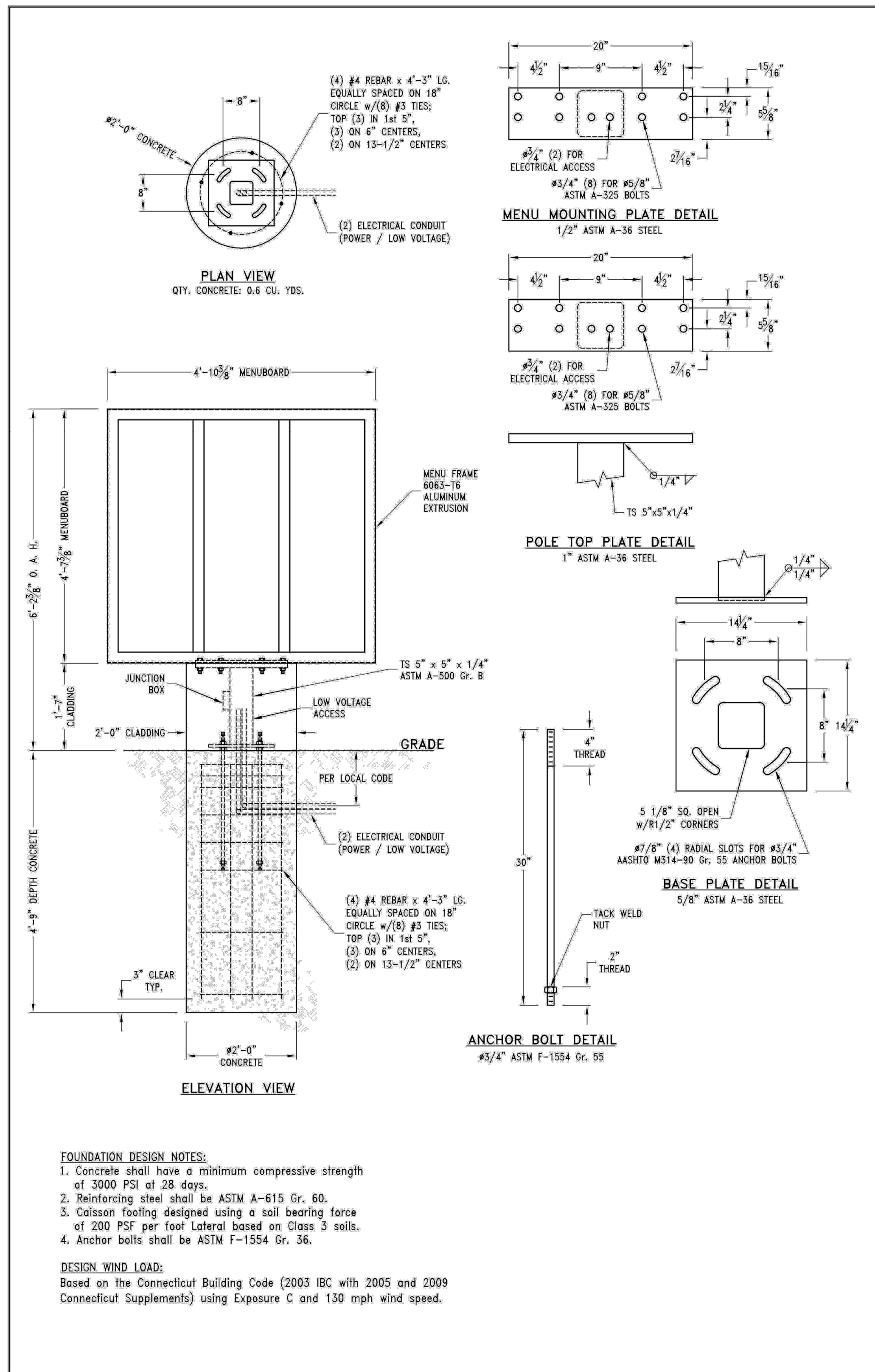
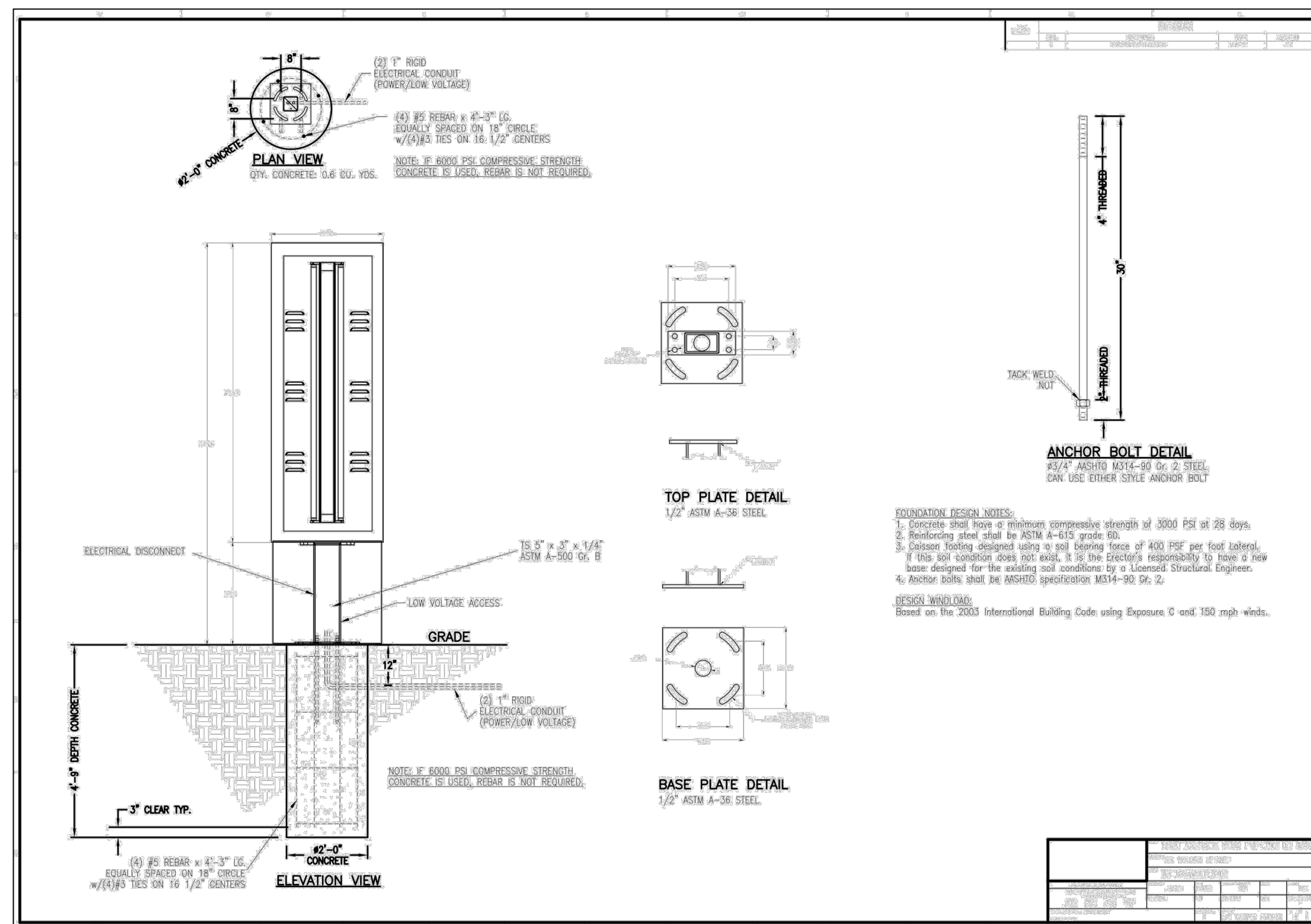
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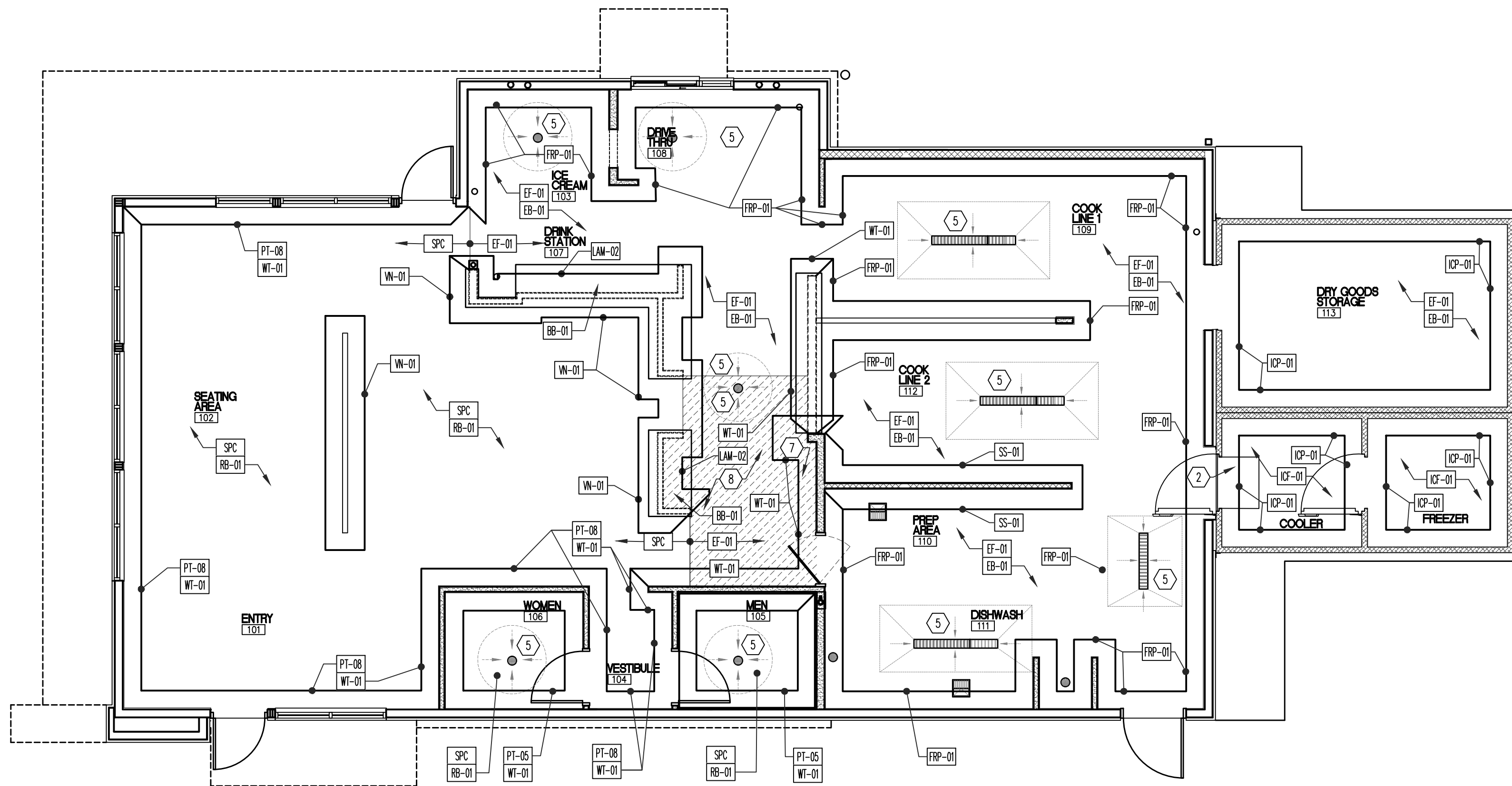
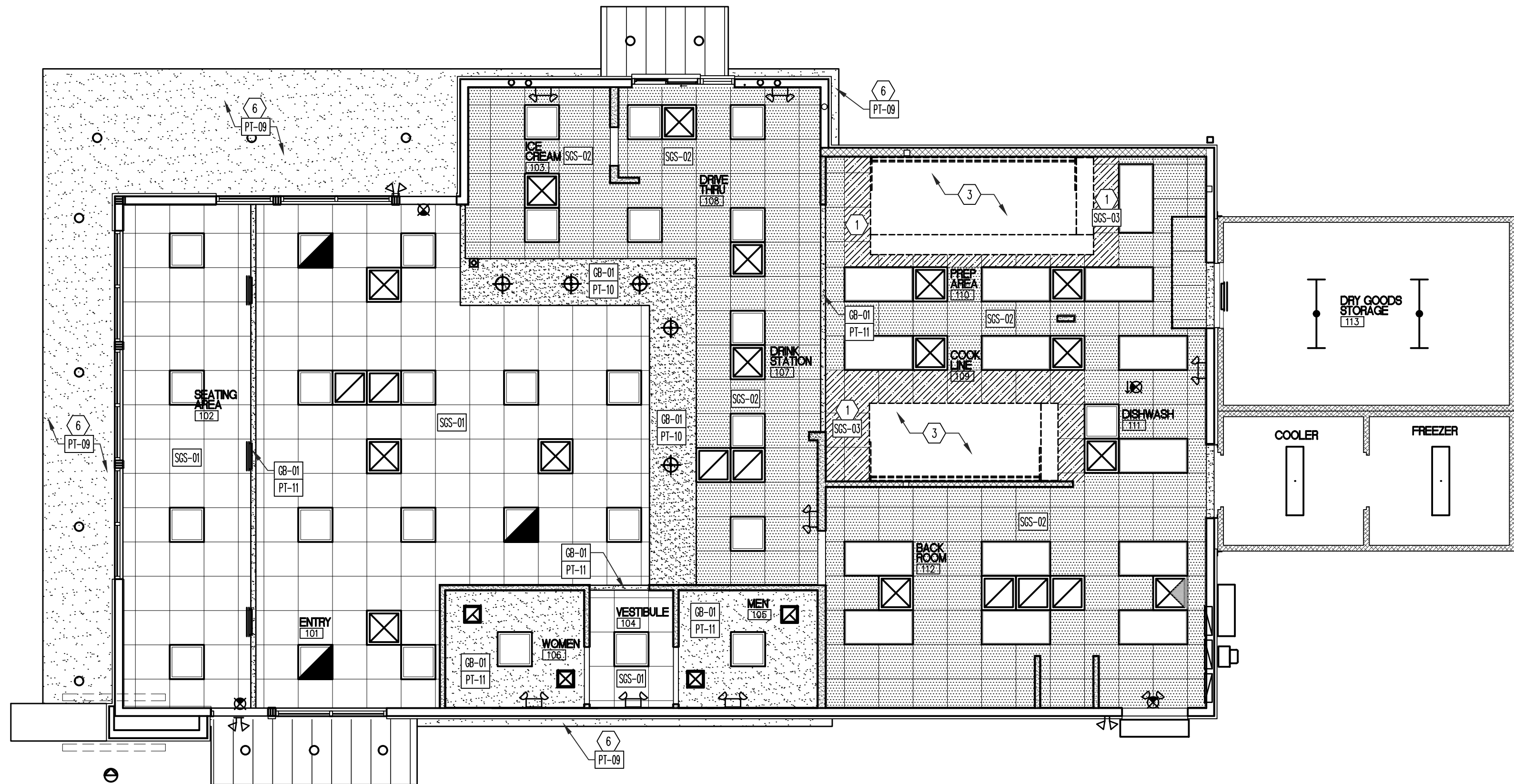
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Plotted Date: Jun 29, 2023 - 3:08pm



FLOOR FINISH PLAN

ID111

SCALE: 3/16" = 1'-0"

3
ID111

S.S. WALL PANEL OVERLAP

SCALE: 6" = 1'-0"

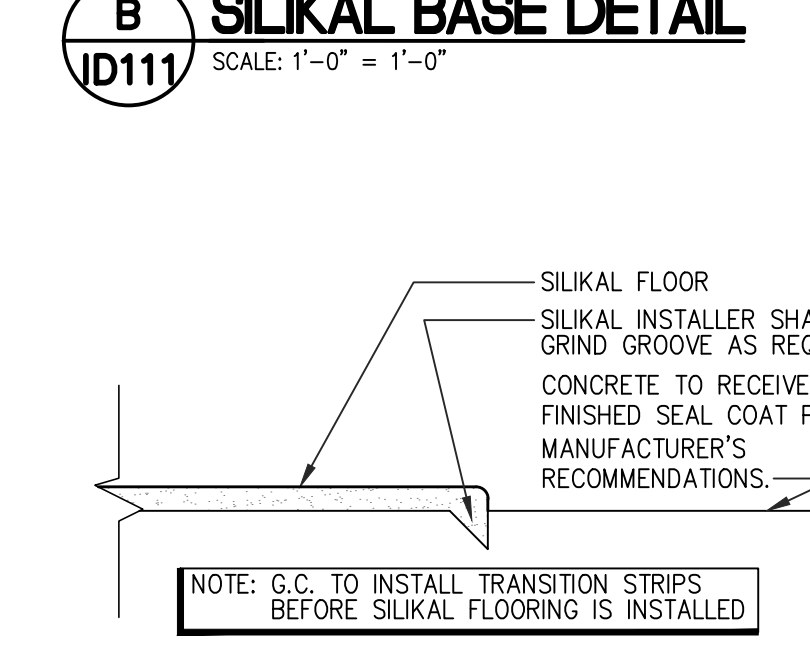
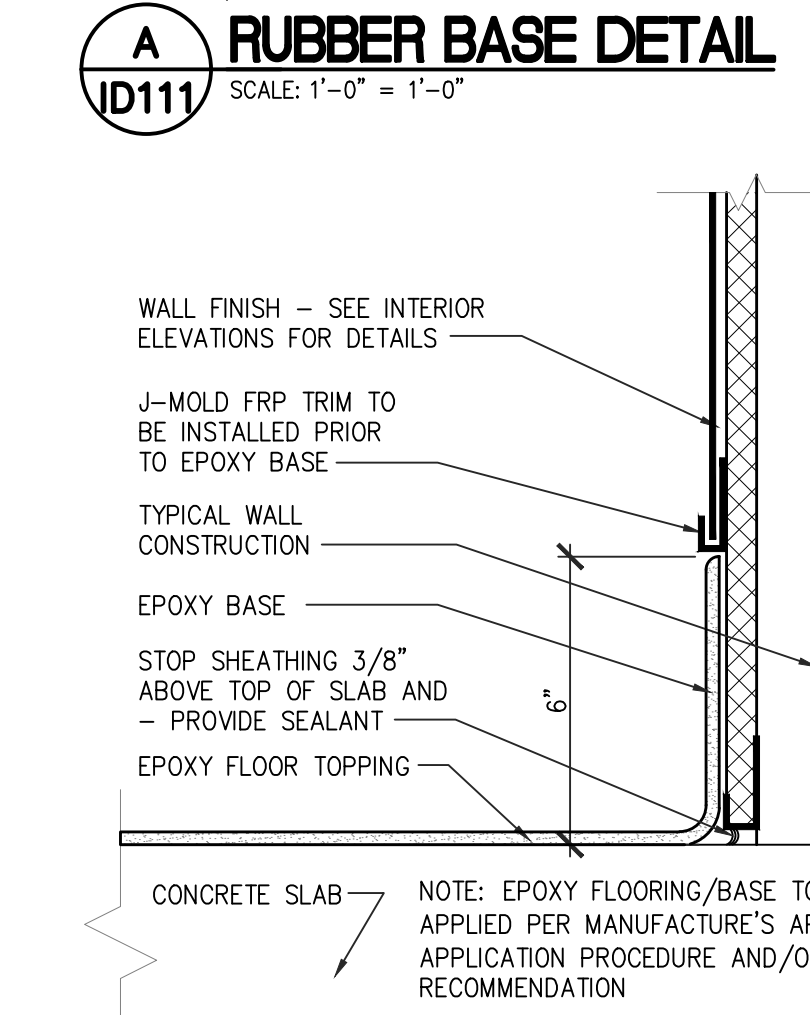
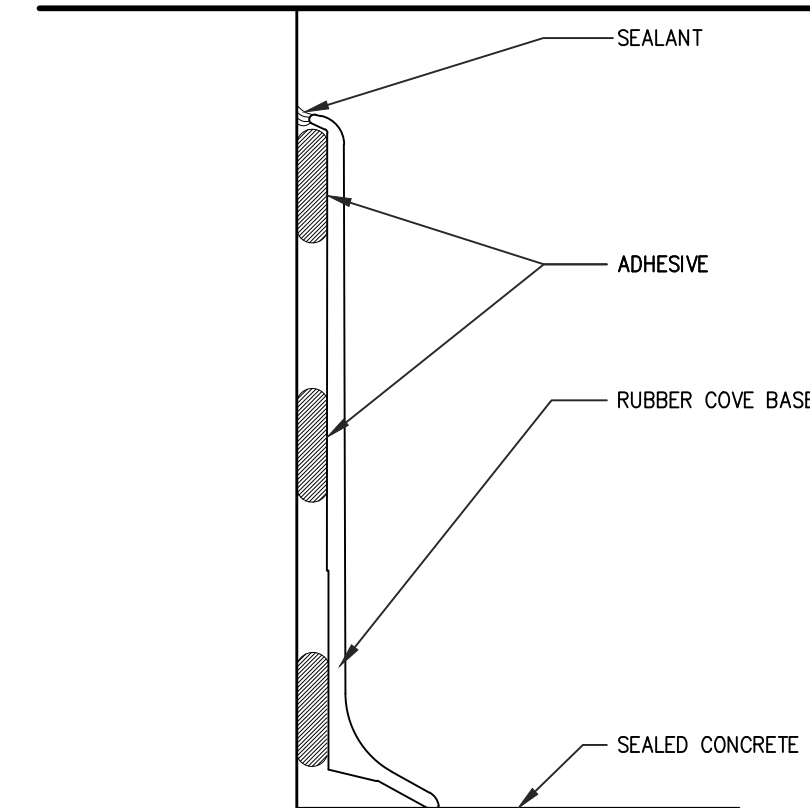
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ID111

S.S. OUTSIDE CORNER DETAIL

SCALE: 6" = 1'-0"

KEYED NOTES

- HATCH REPRESENTS 18" NON-COMBUSTIBLE CEILING TILES AROUND HOODS. SEE RCP FOR MORE INFO
- THRESHOLD/RAMP UP INTO FREEZER PROVIDED BY FEC IN COOLER/FREEZER. COORDINATE INSTALLATION IN SLAB.
- EXHAUST HOOD - PROVIDE NON COMBUSTIBLE CEILING TILES WITHIN 18" OF GREASE EXHAUST HOOD
- TRENCH DRAIN - SLOPE CONCRETE 1/8" PER FOOT TO DRAIN AS SHOWN. REFER TO PLUMBING DRAWINGS FOR DRAIN LOCATIONS.
- FLOOR DRAIN. SLOPE CONCRETE SLAB 1/8" PER FOOT IN A 2'-0" RADIUS. SEE PLUMBING DRAWINGS
- EXTERIOR E.I.F.S. - SEE DETAIL 1/A302
- CHARGING LOCATION FOR #99 SERV-ROBOTS.
- REFER TO ALTERNATE BID ON THIS SHEET IF QUARRY TILE IS SELECTED.



- REFER TO INTERIOR ELEVATIONS SHEET A111, A111A, A403, A404b AND A405c FOR PROPER WALL FINISHES.
- PROVIDE BRUSHED ALUMINUM CORNER GUARDS AT OUTSIDE CORNERS OF KITCHEN AND BACK OF HOUSE WALLS. SEE FLOOR PLAN
- CONTRACTOR TO VERIFY ALL FINISHES WITH OWNER AND HWY 55'S CONSTRUCTION MANAGER BEFORE ORDERING. CONSULT THE APPROVED INTERIOR FINISH SELECTION SET.
- PAINT FINISH TO BE EGGSHELL.
- G.C. TO PROVIDE AND INSTALL SS WALL COVERING AND FRP.

ALTERNATE BIDS:

GENERAL CONTRACTOR TO PROVIDE AN ALTERNATE BID TO INSTALL MARLITE 2104-SKY WHITE 3x6 BEVELED SUBWAY ARTIZAN TILE WALL TILE SYSTEM IN THE RESTROOM AND 6' HIGH WAINSCOT IN THE DINING AREA INSTEAD OF THE TILE.

GENERAL CONTRACTOR TO PROVIDE AN ALTERNATE BID TO INSTALL 6"x8" ABRASIVE QUARRY TILE IN THE KITCHEN (BACK OF HOUSE) IN LIEU OF SILIKAL FLOORING. INCLUDE IN THE ALTERNATE BID TO INSTALL SANDED GROUT, QUARRY TILE BASE TO MATCH AND SCHLUTER TILE TO CONCRETE TRANSITION STRIP AS REQUIRED.

IF QUARRY TILE ALTERNATE IS SELECTED FOR FLOOR FINISH [EF-01] FINISH [SPC] SHALL BE EXTENDED IN DESIGNATED AREA SHOWN ON PLAN 1/ID111. ABRASIVE GRT SHALL BE ADDED TO CONCRETE SEALANT PER MFR RECOMMENDATIONS WITH A DDOF EQUAL TO OR GREATER THAN TILE FLOORING SELECTED IN THIS AREA.

FLOOR FINISH MATERIAL SCHEDULE

CODE	MATERIAL	INFORMATION
SPC	STAINED CONC.	SPARTACOTE STAIN MAHOGANY COLOR WITH EPOXY PRIMER AND FLEX PURE SPARTACOTE TOP COAT
EF-01	SILIKAL FLOOR	SILIKAL 61-CQ - COLOR: GREY
EF-01 (ALT.)	QUARRY TILE	DALTILE - TILE COLOR: ASHEN GREY - GROUT COLOR: CHARCOAL
SC-01	SEALED CONCRETE	SAKRETE CURE AND SEAL - OR EQUAL UNDER FREEZER FLOOR
ICF-01	INSULATED COVERED FLOOR	INSULATED COVERED FLOOR W/ ALUMINUM - BY VENDOR

WALL FINISH MATERIAL SCHEDULE

CODE	MATERIAL	INFORMATION
WT-01	WALL TILE	DALTILE RESTORE, 4"x16" - COLOR: BRIGHT WHITE - GROUT: G-01. CERAMIC SUBWAY REFER TO MATRIX ON G003 - INSTALLED BY G.C. WITH G-01
BB-01	BUTCHER BLOCK	PROVIDED, CONSTRUCTED AND INSTALLED BY GENERAL CONTRACTOR
RB-01	RUBBER BASE	6" ROLL RUBBER COVE BASE - JOHNSONITE RMD3.38 PEWTER - SEE DETAIL A/ID111 - FOR PUBLIC AREAS
EB-01	SILIKAL BASE	SILIKAL FLOOR WITH INTEGRAL WALL BASE - SEE DETAIL B/ID111 - FOR EMPLOYEE AREAS
G-01	STANDARD GROUT	MAPEI, ULTRACOLOR PLUS, COLOR: #10- BLACK. REFER TO MATRIX ON G003 - INSTALLED BY G.C.
PT-01	PAINT	SHERWIN WILLIAMS, SW6002 ESSENTIAL GRAY - SATIN (FACES AND UNDERSIDE OF EXTERIOR SOFFIT)
PT-02	PAINT	SHERWIN WILLIAMS, SW6993 BLACK OF NIGHT - SATIN (RAILING)
PT-03	PAINT	SHERWIN WILLIAMS, SW6993 BLACK OF NIGHT - GLOSS (DOORS)
PT-04	PAINT	SHERWIN WILLIAMS, SW6993 BLACK OF NIGHT - GLOSS (OR FRAMES)
PT-05	PAINT	GLIDDEN, SURREAL BLUE #30BB 45/015 (RESTROOM WALLS ABOVE TILE - EPOXY PAINT)
PT-06	PAINT	WHITE (MECHANICAL ROOM - INSIDE OF SCREEN WALL)
PT-07	PAINT	CLEAR COAT
PT-08	PAINT	GLIDDEN, SURREAL BLUE #30BB 45/015 (SEATING AREA WALLS ABOVE TILE - SATIN PAINT)
PT-09	PAINT	SHERWIN WILLIAMS, SW6002 ESSENTIAL GRAY - SATIN (UNDERSIDE OF EXTERIOR SOFFIT)
LAM-01	PLASTIC LAMINATE	PLASTIC LAMINATE BY OWNER, COLOR: BLACK
LAM-02	PLASTIC LAMINATE	PLASTIC LAMINATE BY OWNER
VN-01	WOOD	CABINET GRADE PLYWOOD STAINED CHERRY (COLOR TO MATCH DINNING ROOM TABLES)
FRP-01	FRP BOARD	MARLITE 4' X 10', COLOR TO BE GREY PEBBLED
SS-01	STAINLESS STEEL	304 STAINLESS STEEL, 18 GA., #4 FINISH, FURNISHED AND INSTALLED BY HVAC CONTRACTOR
ICP-01	INSULATED COVERED PANEL	INSULATED COVER PANEL WALLS W/ ALUMINUM - BY VENDOR

GENERAL NOTES

- HWY 55 WILL PROVIDE GUIDELINES ON ALL FINISHING MATERIALS TO BUY, AND THEY WILL BE ITEMIZED AND PURCHASED BY THE GENERAL CONTRACTOR AND / OR DEVELOPER.
- ALL SCHLUTER WATERPROOFING AND UNCOUPLING MEMBRANE WORK IS TO BE PERFORMED BY THE GENERAL CONTRACTOR AND SCHLUTER SYSTEMS CERTIFIED TILE CONTRACTOR. PROVIDED BY HWY 55: GUIDELINES FOR THE SPECIFIC DITRA UNCOUPLING MEMBRANE, KERDI WATERPROOFING MEMBRANE, KERDI BAND, KERDI FIX, SCHLUTER ALL SET MORTAR TO USE. PROVIDED BY G.C.: DITRA UNCOUPLING MEMBRANE, KERDI WATERPROOFING MEMBRANE, KERDI BAND, KERDI FIX, SCHLUTER-CERTIFIED TILE CONTRACTOR, LABOR FOR WATERPROOFING, WATER FOR ALL SET MORTAR, AND UNCOUPLING SCOPE.
- ALL TILE AND SCHLUTER PROFILE INSTALLATION SCOPE TO BE PERFORMED AND SUPERVISED BY THE GENERAL CONTRACTOR USING SCHLUTER SYSTEMS CERTIFIED TILE CONTRACTOR. PROVIDED BY HWY 55: GUIDELINES FOR THE SPECIFIC FLOOR COATING MATERIALS TO USE. PROVIDED BY G.C.: FLOOR COATING MATERIALS, SLAB PREPARATION AND INSTALLATION OF FLOOR COATINGS BY CERTIFIED LATIACRETE / SPARTACOTE INSTALLERS.
- ALL CONCRETE FLOOR COATINGS SCOPE TO BE PERFORMED BY THE GENERAL CONTRACTOR AND LATIACRETE / SPARTACOTE CERTIFIED FLOORING CONTRACTOR. PROVIDED BY HWY 55: GUIDELINES FOR THE SPECIFIC FLOOR COATING MATERIALS TO USE. PROVIDED BY G.C.: FLOOR COATING MATERIALS, SLAB PREPARATION AND INSTALLATION OF FLOOR COATINGS BY CERTIFIED LATIACRETE / SPARTACOTE INSTALLERS.
- ALL CEILING GRID AND TILES TO BE INSTALLED BY THE GENERAL CONTRACTOR USING THE ROCKFON SYSTEM DEFINED. NO SUBSTITUTE SYSTEMS WILL BE PERMITTED.
- ALL PAINT SCOPE DEFINED IS TO BE INSTALLED BY THE GENERAL CONTRACTOR. PROVIDED BY HWY 55: GUIDELINES ON BRAND COLORS TO USE, INCLUDING THE SHERWIN WILLIAMS NAME AND REFERENCE NUMBER. PROVIDED BY G.C.: ALL PAINT, CAULKING, PRIMER, MASKING SUPPLIES, DROP CLOTHS AND LABOR TO COMPLETE THE PAINT SCOPE.
- HWY 55 SHALL PROVIDE GUIDELINES FOR: THE SPECIFIC COUNTERS AND LAMINATES FOR COUNTERS. PROVIDED BY G.C.: COUNTERS, LAMINATES FOR COUNTERS, FRAMING FOR COUNTERS, SUBSTRATE FOR COUNTERS AND LAMINATES, AND LABOR TO INSTALL THE FINISH PACKAGE MATERIALS.

CEILING FINISH MATERIAL SCHEDULE

CODE	MATERIAL	INFORMATION
SGS-01	ACOUSTICAL LAY-IN CEILING TILES	GRID: ROCKFON - CHICAGO - METALIC - COLOR TO MATCH TILE - TILE: 2x2 ROCKFON CINEMA BLACK
SGS-02	ACOUSTICAL LAY-IN CEILING TILES	GRID: DONN DXLA SYSTEM - FLAT WHITE- TILE: 2x2 USG VINYL-FACED GYPSUM - #050 WHITE
SGS-03	NON-COMBUSTIBLE ACOUSTICAL LAY-IN CEILING TILES	GRID: DONN DXLA SYSTEM - FLAT WHITE- TILE: 2x2 METAL PRE-FINISHED LAY-IN CEILING TILES - #050 WHITE
GB-01	GYPSUM BOARD	GYPSUM BOARD CEILING WITH ORANGE PEEL FINISH
PT-10	PAINT	SHERWIN WILLIAMS, SW6866 HEARTHROB - EPOXY PAINT (FACES AND UNDERSIDE OF INTERIOR SOFFIT)
PT-11	PAINT	SHERWIN WILLIAMS, SW7009 PEARLY WHITE - EPOXY PAINT

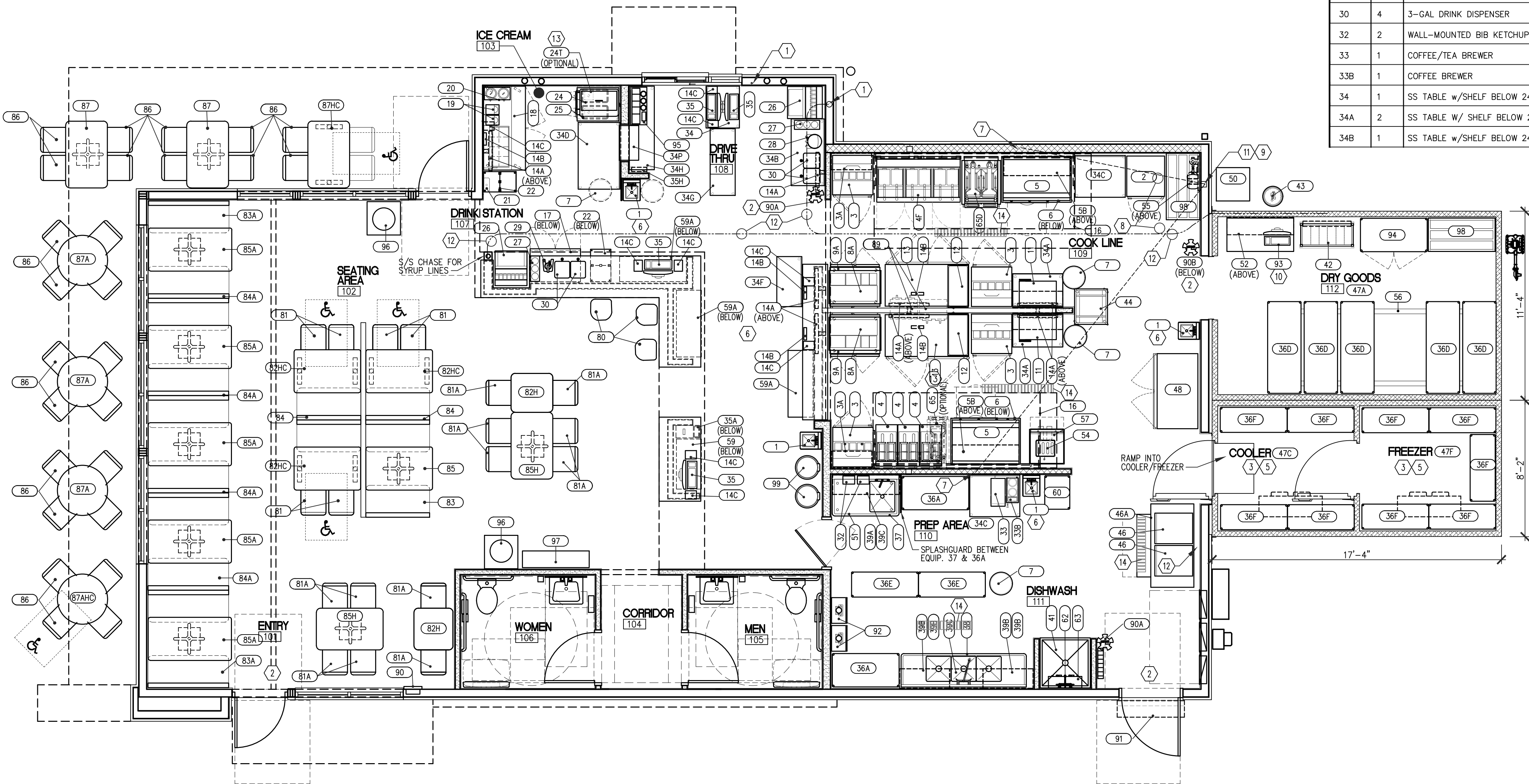
MILLWORKS FINISH MATERIAL SCHEDULE

CODE	MATERIAL	INFORMATION
QC-01	QUARTZ	SUPPLIED AND INSTALLED BY G.C., COLOR: QUARTZ, SILESTONE, NEGRO STELLAR
LAM-01	LAMINATE	SUPPLIED AND INSTALLED BY G.C., COLOR: BLACK
LAM-02	LAMINATE	SUPPLIED AND INSTALLED BY G.C.
PL-02	DINING TABLES	BY VENDOR
ST-01	STAINLESS STEEL	STAINLESS STEEL LAVATORY BOWL W/ OVERFLOW
ST-02	STAINLESS STEEL	STAINLESS STEEL EDGED COUNTERTOPS BY OWNER - G.C. TO COORDINATE SIZES AND INSTALL
UPH-01	UPHOLSTERY	SUPPLIED BY OWNER
UPH-02	UPHOLSTERY	SUPPLIED BY OWNER
VNVL	UPHOLSTERY	-

- NOTE:
- ALL ARTWORK OWNER PROVIDED - G.C. INSTALLED.
 - ARTWORK COMES WITH SECURITY HARDWARE.

7/10/23

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Q111 **EQUIPMENT PLAN**
SCALE: 1/4" = 1'-0"

INTERIOR TABLE/SEAT CALCULATION			
ITEM	DESCRIPTION	FURNITURE QUANTITY	SEATING QUANTITY
80	BAR STOOL	3	3
82H	2 SEAT HI-TOP TABLE - 24X48	2	4
85H	4 SEAT HI-TOP TABLE - 24X48	2	8
82HC	4 TOP ADA TABLE - 30X48	3	12
85	BOOTH - 30X48	1	4
85A	BOOTH - 30X60	5	25
TOTAL		16	56

* THIS SEATING ARRANGEMENT ACCOMMODATES 14 PARTIES

EXTERIOR TABLE/SEAT CALCULATION			
ITEM	DESCRIPTION	FURNITURE QUANTITY	SEATING QUANTITY
87	OUTDOOR - 30X48	2	8
87HC	OUTDOOR - 30X48 - ADA	1	4
87A	OUTDOOR - 36" ROUND TABLE	3	12
87AHC	OUTDOOR - 36" ROUND ADA	1	4
TOTAL		7	28

* THIS SEATING ARRANGEMENT ACCOMMODATES 7 PARTIES

CONSTRUCTION NOTES

- PVC CHASE BY G.C. FOR SODA LINES - COORDINATE WITH SODA VENDER
- SURFACE MOUNTED FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET IN THE DINING - SEE DETAIL 5/502.
- WALK-IN COOLER / FREEZER w/INTERGRAL CONDENSERS MOUNTED ON UNIT.
- LOW VOLTAGE CONDUIT TO EQUIPMENT FOR LOW VOLTAGE SYSTEM - G.C. TO INSTALL - COORDINATE w/EQUIPMENT SUPPLIER
- INSULATED FLOOR / SLAB - BY EQUIPMENT VENDOR
- HAND SINK - SEE PLUMBING DRAWINGS
- 4"x4" SQ. CHASE FOR OIL SYSTEM INSTALLED BY GC - SEE DET. 4/A502 & 8/A502 - COORDINATE w/EQUIPMENT SUPPLIER.
- PROVIDE 1 1/4" BLACK IRON PIPE UP THROUGH WALLS / CEILING FOR WASTE OIL RECOVERY SYSTEM
- CONNECTION FOR GREASE / OIL WASTE
- SHELVING DESK TO HAVE SOLID S.S. TOP AT 34" A.F.F. WITH SHELVES ABOVE DESK - EXACT SPEC BY THE TENANT.
- 4"x4" SQ. CHASE FOR OIL SYSTEM INSTALLED BY GC - SEE DET. 8/A502 - COORDINATE w/EQUIPMENT SUPPLIER.
- SODA SYSTEM SYRUP LINE BUNDLE - ROUTING ABOVE CEILING DOWN WALLS TO SODA MACHINES.
- OPTIONAL EQUIPMENT - G.C. TO VERIFY/COORDINATE FINAL EQUIPMENT PACKAGE PRIOR TO INSTALLING UTILITIES OR CONNECTING EQUIPMENT.
- TRENCH DRAIN BY P.C. - SEE PLUMBING SHEETS.

GENERAL NOTES

- ALL FURNITURE TO BE SELECTED AND PROVIDED BY OWNER - COORDINATE WITH EQUIPMENT SCHEDULE
- G.C. TO COORDINATE ALL CLEARANCES REQUIRED FOR EQUIPMENT AND MILLWORK WITH EQUIPMENT SUPPLIER.
- ALL CABINETS / COUNTERTOPS ARE INCLUDED IN THE EQUIPMENT PACKAGE. GC ONLY TO COORDINATE FIELD DIMENSIONS WITH SUPPLIER.
- VERIFY ALL SHELVING AND WORK TABLES QUANTITIES WITH OWNER.
- REFER TO SHEET Q600 FOR EQUIPMENT SCHEDULING - G.C. TO VERIFY/COORDINATE FINAL EQUIPMENT PACKAGE PRIOR TO INSTALLING UTILITIES OR CONNECTING EQUIPMENT.
- STAINLESS STEEL CORNER GUARD/END CAPS SHALL BE PROVIDED & INSTALLED ON ALL BACK OF THE HOUSE CORNERS AND END CAPS - SEE SHEET A111 FOR LOCATIONS.
- LOCATE REMOTE WALK-IN FREEZER/COOLER CONDENSER ON MAIN FLAT ROOF. SEE MECHANICAL DRAWINGS. G.C. COORDINATE POWER REQUIREMENTS AND PIPING W/ COOLER SUPPLIER AND INSTALLER.

ITEM	QTY.	DESCRIPTION	ITEM	QTY.	DESCRIPTION
1	4	HAND SINK w/2 SPLASHGUARDS	34C	2	SS TABLE w/ SHELF BELOW 30"x36"
2	1	1-DOOR FREEZER	34D	1	SS TABLE w/ SHELF BELOW 30"x54"
3	4	REFRIG. PREPBOX - 29"W	34F	1	SS TABLE w/SHELF BELOW 18"x36"
3A	2	24"W SHELVES	34G	1	SS TABLE w/SHELF BELOW 18"x48"
4	3	FRYER	34H	1	SS TABLE w/SHELF BELOW 18"x60"
4F	1	3-BANK FRYER	34P	1	14"x 24" PASS-THRU SHELF
5	2	GRIDDLE	35	4	POS TERMINAL SYSTEM
5B	2	WALL-MOUNTED WIRE SHELVES - 48"W	35A	1	DROP SAFE - UNDERCOUNTER
6	2	REFRIG. CHEFBASE - 48"W	35H	2	DT HEADSET BASE STATION
7	4	TRASH CAN	36A	2	STORAGE RACK - 24x48
8A	2	WARMING STATION	36D	5	STORAGE RACK - 24x72
9A	2	WORKTOP FREEZER	36E	2	STORAGE RACK - 18x48
11	2	STEAMER	36F	9	F/C STORAGE RACK - 18x48
12	2	COOKER/WARMER	37	1	VEGGIE SINK w/ RH DRAIN
13	2	REFRIG. PREPBOX - 60"W - 5" CASTERS	38	1	3-COMPARTMENT SINK
14A	7	MONITOR	39A	1	WALL-MOUNTED WIRE SHELVES - 48"W
14B	5	BUMPBAR	39B	4	WALL-MOUNTED WIRE SHELVES - 36"W
14C	9	PRINTER	39C	2	WALL-MOUNTED WIRE SHELVES - 24"W
16	2	HOOD SYSTEM	41	1	CAN WASH
17	1	REFRIG. PREPBOX - 36"W	42	1	MODULAR BIB RACK
18	1	REFRIG. PREPBOX	43	1	CO2 TANK
19	2	MIX-IN BLENDER	44	1	BREAD RACK
20	1	COOKER/WARMER	46	2	ICE MACHINE w/ FLAKER HEAD
21	1	DIPPER WELL	46A	1	ICE BIN - 1500LB
22	2	DIPPING CABINET	47A	1	OUTSIDE WALK-IN DRY STORAGE
24	1	FROZEN CUSTARD MACHINE	47C	1	OUTSIDE WALK-IN COOLER (BUILT w/#47F)
24T	1	OPTIONAL FROZEN CUSTARD MACHINE	47F	1	OUTSIDE WALK-IN FREEZER (BUILT w/#47C)
25	1	EQUIPMENT STAND	48	1	2-DOOR COOLER
26	2	SODA MACHINE	50	1	USED OIL CONTAINER
27	2	CUP DISPENSER	51	1	CAN OPENER
28	1	ELEC. JUICE DISPENSER	52	1	EMPLOYEE CUBBIES
29	1	JUICER	54	1	TOASTER - 4 SLOT
30	4	3-GAL DRINK DISPENSER	55	1	WATER FILTRATION SYS. w/BOOSTER PUMP
32	2	WALL-MOUNTED BIB KETCHUP DISPENSER	56	1	MOVABLE RACK SYSTEM
33	1	COFFEE/TEA BREWER	57	1	CONVECTION OVEN w/TABLE
33B	1	COFFEE BREWER	59	1	HALF HEIGHT STORAGE RACK - 18x36
34	1	SS TABLE w/SHELF BELOW 24"x30"	59A	3	HALF HEIGHT STORAGE RACK - 18x48
34A	2	SS TABLE w/ SHELF BELOW 24"x36"	60	1	BISCUIT RACK
34B	1	SS TABLE w/SHELF BELOW 24"x48"	62	1	SERVICE SINK FAUCET

63	1	UTILITY SHELF MOP RACK
65	1	OPTIONAL ELECTRIC 12" CLAMSHELL GRILL
65D	1	ELECTRIC 24" CLAMSHELL GRILL
80	3	BAR STOOL
81	5	DINING CHAIRS
81A	12	HI-TOP CHAIRS
82H	2	2 SEAT HI-TOP TABLE
82HC	3	ADA TABLE - 30"x48"
83	1	BOOTH BENCH 48" - END
83A	2	BOOTH BENCH 60" - END
84	2	BOOTH BENCH 48" - DOUBLE
84A	4	BOOTH BENCH 60" - DOUBLE
85	1	BOOTH TABLE - 30"x48"
85A	5	BOOTH TABLE - 30"x60"
85H	2	4 SEAT HI-TOP TABLE - 30"x48"
86	26	OUTDOOR CHAIRS
87	2	OUTDOOR TABLE 30"x48"
87A	3	OUTDOOR TABLE 36" ROUND
87AHC	1	OUTDOOR TABLE 36" ROUND ADA
87HC	1	OUTDOOR TABLE 30"x48" - ADA
89	2	DEDICATED HOLDING CABINET
90	1	SEMI RECESSED FIRE EXTINGUISHER
90A	2	FIRE EXTINGUISHER
90B	1	FIRE EXTINGUISHER
91	1	AIR CURTAIN
92	2	INSTANTANEOUS WATER HEATER PACKAGE
93	1	MANAGERS DESK/ SHELVING UNIT
94	1	IT EQUIPMENT SHELVING UNIT
95	1	WALL MOUNTED CONDIMENTS
96	2	PUBLIC TRASH BIN
97	1	TO GO RACK
98	2	DUNNAGE RACK - 24x48
99	2	SERV ROBOT

Revisions

THRU ADDENDUM "D"	11/21/2022
PROJECT DATE 06/29/2023	Drawn By CDK/MTP
Checked By NRD	Sheet No.

Q111

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NEW KITCHEN EQUIPMENT SCHEDULE																				
GENERAL								ELECTRICAL				PLUMBING								
ITEM	QTY.	DESCRIPTION	MANUFACTURER	SIZE/MODEL NUMBER	FURN. BY	INST. BY	CONN. BY	VOLT	PHASE	AMPS	HP	ROUGH-IN HEIGHT	CW	HW (110')	HW (140')	SUPPLY PIPING ROUGH-IN HEIGHT	DRAIN SIZE	DRAIN PIPING ROUGH-IN HT.	GAS/BTU	REMARKS
1	4	HAND SINK w/2 SPLASHGUARDS	SERV-WARE	HS10S-CWP	TENANT	GC	PC						1/2"	1/2"			1 1/2"			FAUCET INCLUDED WITH FIXTURE - SEE PLUMBING SHEETS
2	1	1-DOOR FREEZER	HOSHIZAKI	EF1A	TENANT	GC	EC	115	1	3.2	1/3									NEMA 5-15P
3	4	REFRIG. PREPBOX - 29"W	SERV-WARE	SP 29-08-HC	TENANT	GC	EC	115	1	7	1/5									NEMA 5-15P
3A	2	24"W SHELVES		24" W	TENANT	GC														VERIFY MODEL W/ OWNER
4	3	FRYER	SERV-WARE	SGF-50N	TENANT	GC	PC												3/4" NPT - 120,000 BTU/HR (EA.)	
4F	1	3-BANK FRYER	FRYMASTER	31814	TENANT	GC	PC	120	1	1.0+8.0									1" NPT - 119,000 BTU/HR (3)	1" MANIFOLD GAS LINE (2) CORD & PLUGS
5	2	GRIDDLE	ROYAL	RTG-48	TENANT.	GC	PC												3/4" NPT - 120,000 BTU/HR (EA.)	REAR GAS CONNECTION & REGULATOR
5B	2	WALL-MOUNTED WIRE SHELVES - 48"W	SERV-WARE	14 INCHES DEEP x 48 INCHES WIDE	TENANT	GC														SEE PLANS AND INTERIOR ELEVATIONS
6	2	REFRIG. CHEFBASE - 48"W	TRUE	TRCB-48	TENANT	GC	EC	115	1	5.4	1/5									NEMA 5-15P
7	4	TRASH CAN	WINCO	PTCR-22G	TENANT	GC														
8A	2	WARMING STATION	HATCO	MPWS-36	TENANT	GC	EC	120/208	1	14.2										NEMA L14-20P
9A	2	WORKTOP FREEZER	CONTINENTAL REFRIGERATOR	SWF36NBS	TENANT	GC	EC	115	1	5.7	1/3									NEMA 5-15P
11	2	STEAMER	ANTUNES	DFWF 250 (9100146)	TENANT	GC	PC/EC	208	1	15.9					1/4"					REQUIRES WATER LINE & PRESSURE REGULATOR - NEMA 6-20P
12	2	COOKER/WARMER	HATCO	BY TENANT	TENANT	GC	EC	120	1	15.0										NEMA 5-15P
13	2	REFRIG. PREPBOX - 60"W - 5" CASTERS	TRUE	TUC 60-ADA-HC	TENANT	GC	EC	115	1	4.0	1/4									NEMA 5-15P - PROVIDE w/5" CASTERS
14A	7	MONITOR			TENANT	VENDOR	EC	120	1	-										PROVIDED BY HOME OFFICE - VERIFY MODEL W/ OWNER
14B	5	BUMPBAR			TENANT	VENDOR	EC	120	1	-										PROVIDED BY HOME OFFICE - VERIFY MODEL W/ OWNER
14C	9	PRINTER			TENANT	VENDOR	EC	120	1	-										PROVIDED BY HOME OFFICE - VERIFY MODEL W/ OWNER
16	2	HOOD SYSTEM	CAPTIVEAIRE	SEE HOOD DWGS.	TENANT	GC	MC/EC	120	1	-										HOOD W/ ANSUL SYSTEM
17	1	REFRIG. PREPBOX - 36"W	BEVERAGE AIR	UCR34HC	TENANT	GC	EC	115	1	2.0	1/6									NEMA 5-15P
18	1	REFRIG. PREPBOX	TRUE	TSSU 60-08-HC	TENANT	GC	EC	115	1	6.5	1/3									NEMA 5-15P
19	2	MIX-IN BLENDER	CUSTOM	7"W X 24"H X 10"D	TENANT	GC	EC	115	1	2.1	3/4									NEMA 5-15P
20	1	COOKER/WARMER	NEMCO	6120A-CW	TENANT	GC	EC	120	1	8.3										NEMA 5-15P
21	1	DIPPER WELL	NEMCO	77316-10A	TENANT	GC	PC						1/4"				1" I.D.			
22	2	DIPPING CABINET	EXCELLENCE INDUSTRIES	FT-4	TENANT	GC	EC	115	1	1.4	1/8									NEMA 5-15P
24	1	FROZEN CUSTARD MACHINE	STOELTING	CF101-38B	TENANT	GC	EC	208	1	15.0	1 1/2									HEAT OUTPUT - 6,000 BTU/HR
24T	1	OPTIONAL FROZEN CUSTARD MACHINE	TAYLOR	C002	TENANT	GC	EC	208	1	24/22	(2) 2									HEAT OUTPUT - 6,000 BTU/HR
25	1	EQUIPMENT STAND	SERV-WARE	ESS3024W-CWP	TENANT	GC														
26	2	SODA MACHINE	PEPSI	CB-2323	TENANT	VENDOR	PC/EC	120	1	1.0			3/8"				3/4"			PROVIDED BY VENDOR REQUIRE WATER w/SHUTOFF - PLEASE INDIRECT DRAIN CONNECTION AT NEAREST FLOOR SINK.
27	2	CUP DISPENSER	SAN JAMAR	C8503WF	TENANT	GC														
28	1	ELEC. JUICE DISPENSER	HAMILTON BEACH	HCJ967	TENANT	GC	EC	120	1	3.0										
29	1	JUICER	NEMCO	EASY JUICER 55850	TENANT	GC														
30	4	3-GAL DRINK DISPENSER	TABLECRAFT	1055	TENANT	GC														
32	2	WALL-MOUNTED BIB KETCHUP DISPENSER	RED GOLD	SB0901	TENANT	GC	GC													
33	1	COFFEE/TEA BREWER	BUNN	ITCB-DV	TENANT	GC	PC/EC	120	1	14.0			1/4"							NEMA 5-15P. 1/4" C.W. MALE FLARE. REQUIRES 20-90 PS & 1 GPM WATER FLOW.
33B	1	COFFEE BREWER	BUNN	AXIOMDV-3 (38700.0008)	TENANT	GC	PC/EC	120	1	15			1/4"							
34	1	SS TABLE w/SHELF BELOW 24"x30"	SERV-WARE	T2430CWP-4	TENANT	GC														
34A	2	SS TABLE W/ SHELF BELOW 24"x36"	SERV-WARE	T2436CWP-4	TENANT	GC														
34B	1	SS TABLE w/SHELF BELOW 24"x48"	SERV-WARE	T2448CWP-4	TENANT	GC														
34C	2	SS TABLE W/ SHELF BELOW 30"x36"	SERV-WARE	T3036CWP-4	TENANT	GC														
34D	1	SS TABLE W/ SHELF BELOW 30"x54"	SERV-WARE	T3054CWP-4	TENANT	GC														
34F	1	SS TABLE w/SHELF BELOW 18"x36"	SERV-WARE	T1836CWP-4	TENANT	GC														
34G	1	SS TABLE w/SHELF BELOW 18"x48"	SERV-WARE	T1848CWP-4	TENANT	GC														
34H	1	SS TABLE w/SHELF BELOW 18"x60"	SERV-WARE	T1860CWP-4	TENANT	GC														
34P	1	14"x 24" PASS-THRU SHELF	STAINLESS STEEL FAB.	14"DP x 24"W x 18"H	TENANT	GC														SIZE DIMENSIONS ARE TO INSIDE OF FRAME
35	4	POS TERMINAL SYSTEM	SAM-4S	SPT-7000	TENANT	VENDOR	EC	120	1	.37										PROVIDED BY HOME OFFICE - NEMA 5-15P
35A	1	DROP SAFE - UNDERCOUNTER	LOOMIS	TITAN Z	TENANT	GC	EC	120	1	-										VERIFY MODEL W/ OWNER
35H	2	DT HEADSET BASE STATION	VARIES	BY OWNER	TENANT	GC														
36A	2	STORAGE RACK - 24x48	SERV-WARE	24"D X 48"W X 72"H	TENANT	GC														VERIFY MODEL W/ OWNER
36D	5	STORAGE RACK - 24x72	SERV-WARE	24"D X 66"W X 72"H	TENANT	GC														VERIFY MODEL W/ OWNER
36E	2	STORAGE RACK - 18x48	SERV-WARE	18"D X 48"W X 72"H	TENANT	GC														VERIFY MODEL W/ OWNER
36F	9	F/C STORAGE RACK - 18x48	SERV-WARE	18"D X 48"W X 72"H	TENANT	GC														VERIFY MODEL W/ OWNER
37	1	VEGGIE SINK W/ RH DRAIN	SERV-WARE	E10WP181BL-24	TENANT	GC	PC						1/2"		1/2"		1.5" I.D.			SPLASHBOARD LEFT SIDE
38	1	3-COMPARTMENT SINK	SERV-WARE	D30WP18182-18	TENANT	GC	PC						1/2"		1/2"		(3)1.5"			SPLASHBOARDS ON BOTH SIDES
39A	1	WALL-MOUNTED WIRE SHELVES - 48"W	SERV-WARE	48 INCHES WIDE	TENANT	GC														SEE PLANS AND INTERIOR ELEVATIONS
39B	4	WALL-MOUNTED WIRE SHELVES - 36"W	SERV-WARE	36 INCHES WIDE	TENANT	GC														SEE PLANS AND INTERIOR ELEVATIONS
39C	2	WALL-MOUNTED WIRE SHELVES - 24"W	SERV-WARE	24 INCHES WIDE	TENANT	GC														SEE PLANS AND INTERIOR ELEVATIONS
41	1	CAN WASH	FIAT	SB3636	TENANT	GC	PC										3"			SEE PLUMBING SHEETS
42	1	MODULAR BIB RACK	PEPSI	TAPRITE FASSCO	TENANT	VENDOR	EC/PC	120	1	1.5										PROVED BY VENDOR - AMPS FOR CARBONATOR
43	1	CO2 TANK	NUCO2		TENANT	VENDOR	EC													VERIFY MODEL W/ OWNER. PROVIDED BY VENDOR
44	1	BREAD RACK	FRANKLIN/FLOWERS	RT1 ROLL TRAY	TENANT	VENDOR														PROVIDED BY VENDOR
46	2	ICE MACHINE W/ FLAKER HEAD	HOSHIZAKI	F-801MAJ	TENANT	GC	EC	115	1	11.8										NEMA 5-15P. 3/8 OD SUPPLY & 3/4" INDIRECT DRAIN CONNECTION. 22"W X 27 3/8"D X 26"H
46A	1	ICE BIN - 1500LB	HOSHIZAKI	B-1500SS	TENANT	GC	PC/EC										3/4"			3/4" INDIRECT DRAIN CONNECTION. 48"W X 32 1/2"D
47A	1	OUTSIDE WALK-IN DRY STORAGE	NORLAKE	FINELINE	TENANT	GC	EC													SLOPED ROOF W/TAPERED INSULATION & FACTORY PRIMED EXTERIOR WALLS - SEE ARCH. SHEETS FOR LAYOUT, SLOPE DIRECTION & FINISHES
47C	1	OUTSIDE WALK-IN COOLER (BUILT w/#47F)	NORLAKE	FINELINE	TENANT	GC	RC/MC/EC	208	3/1	5/2.9										SLOPED ROOF W/TAPERED INSULATION & FACTORY PRIMED EXTERIOR WALLS - SEE ARCH. SHEETS FOR LAYOUT, SLOPE DIRECTION & FINISHES.
47F	1	OUTSIDE WALK-IN FREEZER (BUILT w/#47C)	NORLAKE	FINELINE	TENANT	GC	RC/MC/EC	208	3/1	5/2.9										SLOPED ROOF W/TAPERED INSULATION & FACTORY PRIMED EXTERIOR WALLS - SEE ARCH. SHEETS FOR LAYOUT, SLOPE DIRECTION & FINISHES
48	1	2-DOOR COOLER	SERV-WARE	RR-2-HC	TENANT	GC	EC	115	1	9	1/2									NEMA 5-15P. 82.3"H X 54"W X 33"D
50	1	USED OIL CONTAINER	VALLEY PROTEIN	VP EZ UCO	TENANT	VENDOR														PROVIDED BY VENOR.

LHMT Project No. 23047.00

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NATIONAL RESTAURANT DESIGNERS

A DIVISION OF LHMT ASSOCIATES

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GLENN LEHMANN
Reg. No. 817
STATE OF LOUISIANA
REGISTERED ARCHITECT

Glenn

7/10/23

PROJECT: **HIGHWAY 55**
32 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: **EQUIPMENT SCHEDULE**

Revisions

THRU ADDENDUM "D"

11/21/2022



PROJECT DATE
06/29/2023

Drawn By
MTP/CDK

Checked By
NRD

Sheet No.
Q600

NEW KITCHEN EQUIPMENT SCHEDULE																				
GENERAL								ELECTRICAL				PLUMBING								
ITEM	QTY.	DESCRIPTION	MANUFACTURER	SIZE/MODEL NUMBER	FURN. BY	INST. BY	CONN. BY	VOLT	PHASE	AMPS	HP	ROUGH-IN HEIGHT	CW	HW (110)	HW (140)	SUPPLY PIPING ROUGH-IN HEIGHT	DRAIN SIZE	DRAIN PIPING ROUGH-IN HT.	GAS/BTU	REMARKS
56	1	MOVABLE RACK SYSTEM	BY TENANT	14'-0" LONG TRACK	TENANT	GC														
57	1	CONVECTION OVEN W/TABLE	WINCO	ECO-500	TENANT	GC	EC	120	1	13.3										CORD AND PLUG
59	1	HALF HEIGHT STORAGE RACK - 18x36	SERV-WARE	18"D X 36"W X 36"H	TENANT	GC														VERIFY MODEL W/ OWNER
59A	3	HALF HEIGHT STORAGE RACK - 18x48	SERV-WARE	18"D X 48"W X 48"H	TENANT	GC														VERIFY MODEL W/ OWNER
60	1	BISCUIT RACK			TENANT	GC														VERIFY W/ OWNER
62	1	SERVICE SINK FAUCET	T&S BRASS	B-0655-B5TR	TENANT	GC	PC						1/2"		1/2"					SEE PLUMBING SHEETS
63	1	UTILITY SHELF MOP RACK	ADVANCE TABCO	K-245-X	TENANT	GC														
65	1	OPTIONAL ELECTRIC 12" CLAMSHELL GRILL	GARLAND	XPE12	TENANT	GC	EC	208	3	26.2										NEMA 15-50 (2)
65D	1	ELECTRIC 24" CLAMSHELL GRILL	GARLAND	XPE24	TENANT	GC	EC	208	3	50.8										NEMA 15-50 (2)
80	3	BAR STOOL			TENANT	GC														
81	5	DINING CHAIRS			TENANT	GC														
81A	12	HI-TOP CHAIRS			TENANT	GC														
82H	2	2 SEAT HI-TOP TABLE			TENANT	GC														
82HC	3	ADA TABLE - 30"x48"			TENANT	GC														
83	1	BOOTH BENCH 48" - END			TENANT	GC														
83A	2	BOOTH BENCH 60" - END			TENANT	GC														
84	2	BOOTH BENCH 48" - DOUBLE			TENANT	GC														
84A	4	BOOTH BENCH 60" - DOUBLE			TENANT	GC														
85	1	BOOTH TABLE - 30"x48"			TENANT	GC														
85A	5	BOOTH TABLE - 30"x60"			TENANT	GC														
85H	2	4 SEAT HI-TOP TABLE - 30"x48"			TENANT	GC														
86	26	OUTDOOR CHAIRS			TENANT	GC														
87	2	OUTDOOR TABLE 30"x48"			TENANT	GC														
87A	3	OUTDOOR TABLE 36" ROUND			TENANT	GC														
87AHC	1	OUTDOOR TABLE 36" ROUND ADA			TENANT	GC														
87HC	1	OUTDOOR TABLE 30"x48" - ADA			TENANT	GC														
89	2	DEDICATED HOLDING CABINET	MERCO	MHG42	TENANT	GC	EC	120	1	13.3										NEMA 5-15P
90	1	SEMI RECESSED FIRE EXTINGUISHER		ABC CLASS	TENANT	GC														
90A	2	FIRE EXTINGUISHER		ABC CLASS	TENANT	GC														
90B	1	FIRE EXTINGUISHER		K CLASS	TENANT	GC														
91	1	AIR CURTAIN	SEE MECHANICAL SHTS		TENANT	GC	MC/EC	120	1	5.1										SEE MECHANICAL
92	2	INSTANTANEOUS WATER HEATER PACKAGE	NORITZ	NCC199CDV	TENANT	GC	PC/EC	120	1	59W			3/4"		3/4"				3/4" NPT - 199,000 BTU/HR (EA)	SEE PLUMBING SHEETS
93	1	MANAGERS DESK/ SHELVING UNIT	SERV-WARE	24"D X 48"W X 72"H	TENANT	GC														PROVIDE SOLID S.S. TOP @ 34" AFF WITH SHELVES ABOVE - VERIFY MODEL W/ OWNER
94	1	IT EQUIPMENT SHELVING UNIT	SERV-WARE	24"D X 48"W X 72"H	TENANT	GC														PROVIDE POWER FOR POS EQUIPMENT- VERIFY MODEL W/ OWNER
95	1	WALL MOUNTED CONDMENTS	BY TENANT	BY TENANT	TENANT	GC														
96	2	PUBLIC TRASH BIN	BY TENANT		TENANT	GC														
97	1	TO GO RACK	BY TENANT	12"x48"	TENANT	GC														
98	2	DUNNAGE RACK - 24x48	SERV-WARE	24"D X 48"W X 12"H	TENANT	GC														VERIFY MODEL W/ OWNER
99	2	SERVI ROBOT	BEAR ROBOTICS	SERVI MODEL	TENANT	GC		110	1	3.5										PROVIDE WALL OUTLET FOR RE-CHARGING

LMHT Project No. 23047.00	
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 <p>NATIONAL RESTAURANT DESIGNERS A DIVISION OF LMHT ASSOCIATES 7208 ACCELIN RD. 2ND FLOOR. HOUSTON, TEXAS 77030 Phone: 919.544.0037 Fax: 919.544.9399</p>	
 <p>7/10/23</p>	
PROJECT: HIGHWAY 55 3.2 PROTOTYPE	EQUIPMENT SCHEDULE
3236 HWY 190 HAMMOND, LA 70401	
DRAWING:	
Revisions	
THRU ADDENDUM "D"	
11/21/2022	
PROJECT DATE 06/29/2023	
Drawn By MTP/CDK	
Checked By NRD	
Sheet No. Q601	

Drawing File: Z:\2023\23047-HWY55 Hammond LA CAD\PO01.dwg
Plotted by: chidson
Plotted Date: Jun 29, 2023 - 2:56pm

GAS DEMAND		
DEMAND (MBH)		
ITEM	IND.	DEMAND
#4 FRYER		120.00
#4 FRYER		120.00
#4 FRYER		120.00
#4F FRYER		357.00
#5 GRIDDLE		120.00
#5 GRIDDLE		120.00
SUBTOTAL KITCHEN		957.00
RTU-1		125.00
RTU-2		125.00
RTU-3		180.00
SF-1		167.07
SUBTOTAL HEATING		597.07
NORITZ NCC199-CDV		199.00
NORITZ NCC199-CDV		199.00
SUBTOTAL WTR. HTR.		398.00
TOTAL DEMAND		1952.07
MOST REMOTE FIXTURE DIST. (FT.)		125
BUILDING GAS MAIN SIZE		1-1/4"

NOTES:

- ALL VALVES SHALL BE SAME SIZE AS PIPING SERVED (MIN.).
- ALL GAS PIPE SIZES BASED ON NATURAL GAS: 2.0 PSI (MAX.), 1.0 PSI PRESSURE DROP 0.6 SPECIFIC GRAVITY. PC SHALL VERIFY THAT GAS SYSTEM PRESSURE DOES NOT EXCEED ALLOWABLE LIMITS OF GAS UTILIZATION EQUIPMENT. PC SHALL SELECT AND PROVIDE INDIVIDUAL PRESSURE REGULATORS FOR APPLIANCES TO REDUCE PRESSURE FROM 2 PSI TO THE REQUIRED UTILIZATION PRESSURE OF EQUIPMENT, UNLESS NOTED OTHERWISE. (SEE NAMEPLATE DATA). REGULATORS (MAXITROL SERIES 325) SHALL BE USED FOR ALL EQUIPMENT AND INSTALLED IN A HORIZONTAL POSITION. REGULATORS INSTALLED INSIDE BUILDING ARE TO BE PROVIDED WITH VENT LIMITING DEVICES (MAXITROL SERIES 12A39) OR APPROVED EQUAL.
- SEE SHEET P112 AND P113 FOR GAS PIPING PLAN.
- PC SHALL INSTALL FLEXIBLE GAS HOSE WITH QUICK DISCONNECTS (PROVIDED BY PEC) BETWEEN GAS PIPING AND APPLIANCES. FLEXIBLE HOSE SHALL BE SAME SIZE AS BRANCH PIPE.
- CONTRACTOR SHALL RUN FULL DIAMETER PIPE FROM GAS METER. ANY REDUCTION IN SIZE WILL NOT BE ACCEPTABLE.
- COORDINATE WITH LOCAL UTILITY TO ENSURE 2.0 PSI IS AVAILABLE AT THE START OF ANY WORK. IF NOT, THEN CONSULT ENGINEER FOR PROPER SIZING FOR AVAILABLE PRESSURE.

WATER HEATING

APPLICATION INFO	
Job Type	Food Service
Hot Water Temp (F)	140
Ground Water Temp (F)	50
Temperature Rise (F)	90
Fixture Delivery Temp (F)	140
Gas Type	NG
Indoor or Outdoor	TBD
Elevation (ft)	Less Than 2000

FIXTURE TYPE	QUANTITY	FIXTURE UNITS	TOTAL
Kitchen Sink		3.00	0.00
Lav/ Hand Sinks	6	1.00	6.00
Bar Sink		2.50	0.00
Dipper Well		1.00	0.00
Well Steam Table		1.00	0.00
1-Comp Sink		2.50	0.00
2-Comp Sink		3.50	0.00
3-Comp Sink	1	5.50	5.50
Prep/ Table Sink	1	2.00	2.00
Hot Sink		2.50	0.00
Glass Washer		2.00	0.00
Dishwasher		4.20	0.00
Pre-Rinse		2.50	0.00
Mop Sink	1	1.50	1.50
Hose Reel	1	2.50	2.50

TOTAL FIXTURE UNITS	17.50
	6.6

OPTION : NORITZ TANKLESS WATER HEATER					
COMMERCIAL MODEL	UEF / TE	QUANTITY	MAX INPUT (BTU/HR)	FLOWRATE EA. (GPM)	TOTAL FLOWRATE (GPM)
NCC199CDV	95% / 98%	2	399,800	4.4	8.7
OPTIONAL ACCESSORIES					
NCC199CDV					
Part Description	Part #				
Condensate Neutralizer (up to 3,000,000 Btu/hr)	NT-20A				
Outdoor Vent Cap (ea Heater)	VC-6				
Multi-Unit Quick Connect Cord (up to 2 Heaters)	QC-2				
Multi-Unit System Controller (up to 6 Heaters)	SC-401-6M				
Multi-Unit System Controller (up to 12 Heaters)	SCU-401-12M				
Service Iso-Valve w/ 150 PSI Pressure Relief (ea Heater)	IC-WV-200-3-1(H or SW)				

GREASE INTERCEPTOR SIZING

Louisiana State Plumbing Code
Grease Trap Sizing Chart

Grease Trap Minimum Capacity WITHOUT Garbage Grinder					
Retail Food	Institutions	Grease Trap Size (gallons)	Retail Food	Institutions	Grease Trap Size (gallons)
Usable Square Footage (ft²)	Estimated People or Meals Served¹		Usable Square Footage (ft²)	Estimated People or Meals Served¹	
5,201 – 5,400	261 – 270	675	14,801 – 15,000	741 – 750	1,875
5,401 – 5,600	271 – 280	700	15,001 – 15,200	751 – 760	1,900
5,601 – 5,800	281 – 290	725	15,201 – 15,400	761 – 770	1,925
5,801 – 6,000	291 – 300	750	15,401 – 15,600	771 – 780	1,950
6,001 – 6,200	301 – 310	775	15,601 – 15,800	781 – 790	1,975
6,201 – 6,400	311 – 320	800	15,801 – 16,000	791 – 800	2,000
6,401 – 6,600	321 – 330	825	16,001 – 16,200	801 – 810	2,025
6,601 – 6,800	331 – 340	850	16,201 – 16,400	811 – 820	2,050
6,801 – 7,000	341 – 350	875	16,401 – 16,600	821 – 830	2,075
7,001 – 7,200	351 – 360	900	16,601 – 16,800	831 – 840	2,100
7,201 – 7,400	361 – 370	925	16,801 – 17,000	841 – 850	2,125
7,401 – 7,600	371 – 380	950	17,001 – 17,200	851 – 860	2,150
7,601 – 7,800	381 – 390	975	17,201 – 17,400	861 – 870	2,175
7,801 – 8,000	391 – 400	1,000	17,401 – 17,600	871 – 880	2,200
8,001 – 8,200	401 – 410	1,025	17,601 – 17,800	881 – 890	2,225
8,201 – 8,400	411 – 420	1,050	17,801 – 18,000	891 – 900	2,250
8,401 – 8,600	421 – 430	1,075	18,001 – 18,200	901 – 910	2,275
8,601 – 8,800	431 – 440	1,100	18,201 – 18,400	911 – 920	2,300
8,801 – 9,000	441 – 450	1,125	18,401 – 18,600	921 – 930	2,325
9,001 – 9,200	451 – 460	1,150	18,601 – 18,800	931 – 940	2,350
9,201 – 9,400	461 – 470	1,175	18,801 – 19,000	941 – 950	2,375
9,401 – 9,600	471 – 480	1,200	19,001 – 19,200	951 – 960	2,400
9,601 – 9,800	481 – 490	1,225	19,201 – 19,400	961 – 970	2,425
9,801 – 10,000	491 – 500	1,250	19,401 – 19,600	971 – 980	2,450
10,001 – 10,200	501 – 510	1,275	19,601 – 19,800	981 – 990	2,475
10,201 – 10,400	511 – 520	1,300	19,801 – 20,000	991 – 1,000	2,500

¹Retail establishments expected to serve more meals than estimated by usable sq ft shall install the larger size grease trap.
²Estimated number of people or meals served is the number of persons or meals served during the largest meal period.

NUMBER OF SEATS: 84
NUMBER OF MEALS SERVED: 350 MEALS SERVED IN 3 HOUR PEAK PERIOD
SQUARE FOOTAGE: 2,501 SF
GREASE INTERCEPTOR SIZING BASED ON 2018 IPC WITH LOCAL AMENDMENTS AND LOUISIANA STATE PLUMBING CODE GREASE INTERCEPTOR SIZING CHART. REFER TO CHART ABOVE FOR MINIMUM SIZE REQUIRED.

DRAINAGE

ITEM	#	IND. F.U.	TOT. F.U.
GREASE DRAINAGE			
3-COMP SINK	1	5.0	5.0
(1) COMP. PREP SINK	1	3.0	3.0
CAN WASH	1	5.0	5.0
AREA TRENCH DRAIN	4	2.0	8.0
AREA FLOOR DRAIN	1	2.0	2.0
SUBTOTAL GREASE			23.0
SANITARY SEWER			
WATER CLOSET, 1.6 GPF	2	4.0	8.0
LAVATORY	2	2.0	4.0
HANDSINK	4	2.0	8.0
AREA FLOOR DRAIN	5	2.0	10.0
INDIRECT RECEPTOR	4	5.0	20.0
SUBTOTAL S.S.			50.0
TOTALS			73.0

WATER SUPPLY

ITEM	#	IND. F.U.	TOT. F.U.
WATER CLOSET FLUSH VALVE	2	10.00	20.00
LAV	2	2.00	4.00
HAND SINK	4	2.00	8.00
3-COMP SINK	1	4.00	4.00
PREP SINK	1	4.00	4.00
CAN WASH	1	3.00	3.00
STEAMER	2	0.50	1.00
ICE MACHINE	2	0.50	1.00
TEA/COFFEE BREWER	2	0.50	1.00
DRINK SYSTEM	2	0.50	1.00
INTERIOR HOSE BIBB	5	2.50	12.50
EXTERIOR HOSE BIBB	2	2.50	5.00
DIPPERWELL	1	0.50	0.50
TOTAL C.W. F.U.			65.0
TOTAL DEMAND GPM			33.50
SIZE			1-1/2"
C.W. MAIN SIZE (VEL. 6-8 FPM)		1-1/2"	MOSTLY FLUSH TANK

WATER HAMMER ARRESTOR SCHEDULE

I.P.S.	F.U. RATING	SHOUX CHIEF	UNIT SIZE	REMARKS
3/4"	1 – 11	652–A	A	P.D.I. CERTIFIED
3/4"	12 – 32	653–B	B	P.D.I. CERTIFIED
1"	33 – 60	654–C	C	P.D.I. CERTIFIED
1"	61 – 113	655–D	D	P.D.I. CERTIFIED
1"	114 – 154	656–E	E	P.D.I. CERTIFIED
1"	155 – 330	657–F	F	P.D.I. CERTIFIED

NOTE: ALL WATER HAMMER ARRESTORS PROVIDED MUST MEET ASSE-1010 REQUIREMENTS.

BACKFLOW PREVENTION SCHEDULE

EQUIPMENT	MEDIUM HAZARD APPLICATIONS (SEE NOTE 1)	HIGH HAZARD APPLICATIONS (SEE NOTE 1 & 2)
ICE MACHINE	WATTS MODEL: SD-2	WATTS MODEL: SD-2
TEA/COFFEE MAKER	WATTS MODEL: SD-3	WATTS MODEL: SD-3
HOSE BIBB	INTEGRAL VACUUM BREAKER	INTEGRAL VACUUM BREAKER
STEAMER	WATTS MODEL: SD-2	WATTS MODEL: SD-2
DRINK SYSTEM (CARBONATOR)	WATTS MODEL: SD-3 (NOTE 3)	WATTS MODEL: SD-3 (NOTE 3)
DIPPERWELL	WATTS MODEL: SD3-MF	WATTS MODEL: SD3-MF
CHEMICAL DISPENSER	WATTS MODEL: LF009	WATTS MODEL: LF009
CAN WASH (CW-1)	WATTS MODEL: LF9D	WATTS MODEL: LF9D
COLD WATER MAIN	SEE CIVIL PLANS	SEE CIVIL PLANS

NOTES:

- P.C. SHALL VERIFY BACKFLOW REQUIREMENT WITH LOCAL CODE OFFICIALS. USE MEDIUM HAZARD BACKFLOW DEVICES UNLESS LOCAL CODE OFFICIALS CLASSIFY AS HIGH HAZARD.
 - P.C. SHALL INSTALL PER MANUFACTURERS RECOMMENDATIONS, AND PIPE VENT TO DRAIN WHERE NEEDED INDIRECTLY WITH 2" (MIN.) AIR GAP.
 - P.C. SHALL USE PLASTIC TUBING DOWNSTREAM OF THE BACKFLOW PREVENTER FOR THE CARBONATOR.
1. ALL PIPE SIZES SHOWN ON RISER ARE BASED ON COPPER PIPE. PEX-A IS AN APPROVED SUBSTITUTION MATERIAL (SEE SPECIFICATION SHEET). HOWEVER, IF PEX-A IS INSTALLED, ALL PIPE SIZES (EXCEPT SINGLE FIXTURE BRANCHES) SHALL BE INCREASED (1) PIPE SIZE FROM SIZES SHOWN ON RISER.
2. COPPER PIPE SIZING BASED ON DESIGN MAXIMUMS OF 8FT/SEC VELOCITY AND 5PSI/100FT TO 8PSI/100FT OF PRESSURE LOSS.
3. PEX-A PIPE SIZING BASED ON MANUFACTURER DESIGN CRITERIA AND DESIGN MAXIMUMS OF 8FT/SEC VELOCITY AND 5PSI/100FT TO 8PSI/100FT OF PRESSURE LOSS.
4. IF PEX-A IS USED, DOMESTIC HOT WATER RETURN PIPING SHALL BE MINIMUM OF 1" DIAMETER TO MEET MANUFACTURER RECOMMENDED VELOCITY OF 2FT/SECOND @ DESIGNED RECIRC PUMP GPM RATE.
5. ALL PIPING 2" AND LARGER SHALL BE COPPER ONLY.

WATER PIPING SIZING CRITERIA

LEGEND

LINE TYPE	
=====	WASTE PIPING
-----	CAST IRON WASTE PIPING
-----GW-----GW-----	GREASE WASTE PIPING
-----	VENT PIPING
-----	COLD WATER PIPING
-----HW140-----	HOT WATER PIPING (140°)
-----F-----F-----	FILTERED WATER PIPING
-----C-----C-----	CONDENSATE PIPING
-----	TRAP PRIMER PIPING
-----G-----G-----	GAS PIPING
SYMBOLS	
○	EXTERIOR CLEAN-OUT
○	FLOOR CLEAN-OUT
└┐	WALL CLEANOUT
└┐└┐	PLUG CLEAN OUT
○	HUB DRAIN
○	FLOOR DRAIN
○	DRINK SYSTEM
○	INTERIOR HOSE BIBB
○	EXTERIOR HOSE BIBB
	DIPPERWELL
└┐└┐	TRENCH DRAIN
└┐└┐└┐	VENT THRU ROOF
└┐└┐└┐└┐	HOSE BIBB
└┐└┐└┐└┐└┐	GATE VALVE
└┐└┐└┐└┐└┐└┐	CHECK VALVE
└┐└┐└┐└┐└┐└┐└┐	GAS COCK AND UNION
└┐└┐└┐└┐└┐└┐└┐└┐	MECHANICAL GAS VALVE
└┐└┐└┐└┐└┐└┐└┐└┐└┐	GAS REGULATOR
└┐└┐└┐└┐└┐└┐└┐└┐└┐└┐	GAS METER
└┐└┐└┐└┐└┐└┐└┐└┐└┐└┐└┐	WATER HEATER CONCENTRIC FLUE

ABBREVIATIONS

BFP	BACKFLOW PREVENTER
CP	CONDENSATE PUMP
CO	CLEANOUT
DFU	DRAINAGE FIXTURE UNIT
EF	EXHAUST FAN
EX	EXISTING
FD	FLOOR DRAIN
FS	FLOOR SINK
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
HS	HAND SINK
ID	INSIDE DIA.
LAV	LAVATORY
MS	MOP SINK
MV	MIXING VALVE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIA.
O/F	OWNER/FRANCHISEE
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REDUCING VALVE
RTU	ROOF TOP EQUIPMENT (HVAC)
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
WC	WATER CLOSET
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR

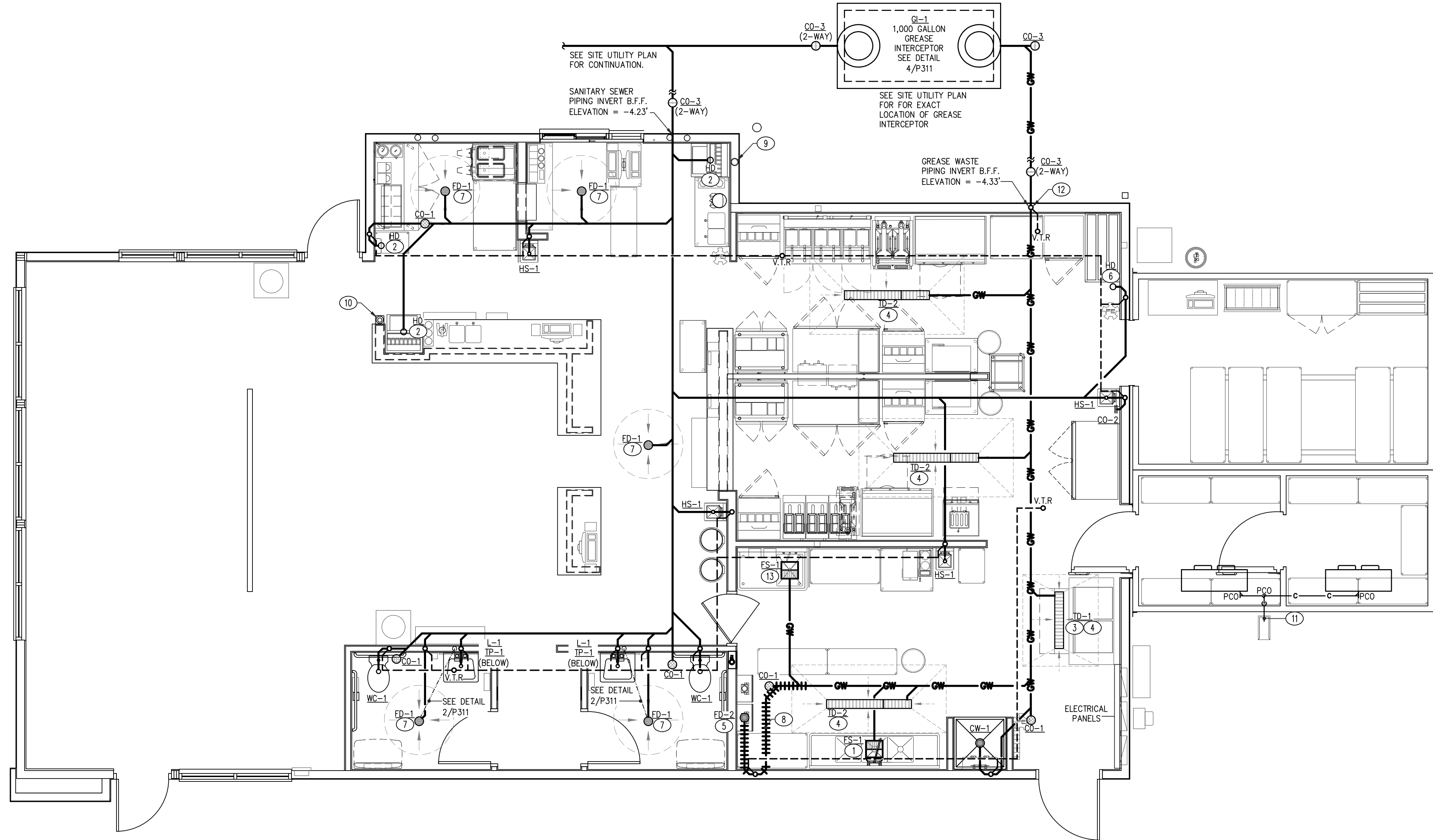
PLUMBING FIXTURE SCHEDULE

BFP-1	BACKFLOW PREVENTER A. SEE CIVIL PLANS
CO-1	FLOOR CLEANOUT (ROUND) A. SIOUX CHIEF #834-X PNR B. TOP SHALL BE FLUSH WITH FLOOR C. X=SIZE OF PIPE REQUIRED IN MODEL NUMBER.
CO-3	EXTERIOR CLEANOUT (ROUND) A. SIOUX CHIEF #878-20/40/60 WITH COUNTER SUNK BRASS INSERT INSTALLED IN AN END OF LINE HUB/TWO-WAY HUB.
CW-1	CAN WASH A. BASIN – (EQ. #41) FIAT SB–3636 (36x36x6) B. FAUCET – (EQ. #62) T&S BRASS #B-0655–BSTR C. HOSE AND HOSE BRACKET – FIAT #B32–AA D. PROVIDE 3" P–TRAP E. SEE EQUIPMENT SCHEDULE AND DIVISION OF RESPONSIBILITY.
FD-1	FLOOR DRAIN (ROUND) A. FLOOR DRAIN – SIOUX CHIEF #833–3XDNR, PVC, ROUND B. X=SIZE OF PIPE REQUIRED IN MODEL NUMBER. C. PROVIDE DEEP SEAL P–TRAP D. PROVIDE TRAP PRIMER AND CONNECTION WHERE INDICATED ON PLANS
FD-2	FLOOR DRAIN (ROUND) (DUCTILE IRON) A. FLOOR DRAIN – SIOUX CHIEF #832–3DHR, DUCTILE IRON, ROUND B. 3" TRAP C. BRONZE TAP
FS-1	FLOOR SINK A. FLOOR SINK (W/ 1/2 GRATE) – SIOUX CHIEF #861–3P-D (8" DEEP) #861–51 1/2 GRATE AND DOME STRAINER
GI-1	GREASE INTERCEPTOR A. 1,000 GRAVITY GREASE INTERCEPTOR
HB-1	EXTERIOR HOSE BIBB A. WOODFORD MODEL 65 SERIES, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VB.
HB-2	INTERIOR HOSE BIBB A. WOODFORD MODEL 24P–3/4 WALL FAUCET WITH ANTI-SIPHON VACUUM BREAKER. B. CONNECT TO COLD WATER.
HS-1	HAND SINK A. SINK – (EQ. #1) SERVE-WARE MODEL CWP B. FAUCET – (EQ. #1) SPLASH MOUNTED GOOSENECK WITH AERATOR SUPPLIES – McGuire 167 C. STRAINER – BASKET DRAIN PROVIDED WITH SINK D. PROVIDE TRUEORO (OR EQUAL) PIPING PROTECTION ON EXPOSED HOT WATER, COLD WATER, AND DRAIN PIPING BELOW SINK. E. SEE EQUIPMENT SCHEDULE AND DIVISION OF RESPONSIBILITY.
L-1	LAVATORY, WALL HUNG A. LAVATORY – AMERICAN STANDARD MODEL: 0355.012 "LUCERNE". B. SENSOR FAUCET – SLOAN EAF–200 WITH 120V PLUG IN TRANSFORMER C. SUPPLIES – McGuire 167. D. STRAINER – McGuire 155A. E. P–TRAP – SEE TRAP PRIMER (TP-1) F. PROVIDE TRUEORO (OR EQUAL) PIPING PROTECTION ON EXPOSED HOT WATER, COLD WATER, AND DRAIN PIPING BELOW SINK. G. PROVIDE MIXING VALVE (MV-1) ON EACH LAVATORY PER DETAIL 14/P301.
MV-1	MIXING VALVE A. WATTS – MODEL: LFMV, 1/2" MALE NPT CONNECTIONS. B. MOUNT IN AN ACCESSIBLE LOCATION. C. INSTALL PER MANUFACTURERS RECOMMENDATION. D. SET TO 110 DEGREES MAX.
RD-1	ONE-PIECE COMBINATION ROOF DRAIN & SECONDARY OVERFLOW A. ZURN MODEL RD2130–NH4, 4" CAST IRON WITH DECK FLANGE, FLASHING CLAMPS WITH INTEGRAL GRAVEL GUARD, SELF-LOCKING DOME STRAINER, NO HUB OUTLETS WITH FLASHING CLAMP. B. ZURN MODEL 4199–4ZARB–SS–PVC DOWN SPOUT NOZZLE FOR EACH ROOF DRAIN OUTLET. C. INSTALL PER MANUFACTURES RECOMMENDATION.
TD-1	TRENCH DRAIN A. JAY R. SMITH #9895–5, WITH 4" BOTTOM OUTLET, END CAPS, AND REMOVABLE STAINLESS STEEL SLOTTED GRATE. 4" DEEP–SEAL P–TRAP. (1 METER LONG)
TD-2	TRENCH DRAIN A. JAY R. SMITH #9895–5, WITH 4" BOTTOM OUTLET, END CAPS, AND REMOVABLE STAINLESS STEEL SLOTTED GRATE. 4" DEEP–SEAL P–TRAP. (1.5 METER LONG)
TP-1	TRAP PRIMER A. TRAP – ZURN Z1021WL–PC WATER SAVER TRAP PRIMER
WC-1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE (HANDICAP) A. AMERICAN STANDARD MADEIRA FLOWISE, 16 1/2" HIGH, EL 1.6, 3043.001, 1.6 GPF B. FLUSH VALVE – SLOAN MODEL 111–128 ESS HARD WRED SENSOR FLUSH VALVE. C. SEAT – CHURCH #9500C OPEN FRONT LESS COVER. D. PROVIDE WITH SENSOR MOUNTED PER ADA ACCESSIBILITY.
WH-1	INTERIOR GAS WATER HEATER PACKAGE (EQ. #92) A. WATER HEATER – NORITZ MODEL: NCC199–CDV CONTINUOUS FLOW WATER HEATER FOR COMMERCIAL USE AT 4.4 GPM (EA.) 90° F RISE. B. 199,000 BTU/HR NATURAL GAS INPUT (MODULATING MAX.) (EACH) C. CERTIFIED TO ANSI Z21.10.3 STANDARD BY CSA D. PROVIDE (1) NORITZ CONNECT CABLE PART # QC-2 E. PROVIDE (2) NORITZ CONCENTRIC VENT PART # PVC-3CT F. PROVIDE (2) NORITZ ISOLATION VALVE W/ RELIEF VALVE PART # IK–WV–200–3 G. PROVIDE FLAT ROOF FLASHING AND VENT PIPE AS REQUIRED H. PROVIDE (1) NORITZ COMMERCIAL CONTROLLER SC–401–6M (COORDINATE LOCATION WITH GC) I. E.C. SHALL PROVIDE ALL ELECTRICAL CONNECTIONS. J. SET FOR OPERATION AT 140°F. K. SEE EQUIPMENT SCHEDULE AND DIVISION OF RESPONSIBILITY.

PLUMBING GENERAL NOTES

- ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR. CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT & COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATION FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER REPRESENTATIVE OR DESIGN ENGINEER. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THESE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER REPRESENTATIVE OR THE DESIGN ENGINEER.
- IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS

Drawing File: Z:\2023\23047-HWY55-Hammond LA\CAD\P111.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:57pm



1 PLUMBING WASTE/VENT PLAN
P111 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- SEE SHEET P001 FOR ALL GENERAL NOTES.
- SEE RISER DIAGRAMS FOR ALL PIPE SIZES NOT SHOWN.
- FIELD VERIFY ALL INVERTS BEFORE THE START OF ANY WORK.
- SEE FOUNDATION PLANS FOR PIPES THROUGH WALLS AND FOOTING DETAILS.

CONSTRUCTION NOTES:

- ROUTE 2" SINK COMPARTMENT DRAIN TO FLOOR SINK. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE. SEE DETAIL 5/P311.
- ROUTE EQUIPMENT DRAIN(S) DOWN TO HUB DRAIN. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
- ROUTE ICE MACHINE DRAIN PIPING INDIRECTLY AT 1/8" PER/FT SLOPE TO TRENCH DRAIN. TERMINATE WITH AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPING.
- TRENCH DRAIN. INSTALL 1/4" BELOW FINISHED FLOOR AND SLOPE SLAB TOWARD DRAIN AT 1/8" PER FOOT. DRAIN SHALL BE SET LEVEL WITH CONCRETE, 1/4" BELOW FINISHED FLOOR. ADJUST AS REQUIRED. SEE DETAIL 8/P311.
- ROUTE WATER HEATER TAP RELIEF VALVE INDIRECTLY TO FLOOR DRAIN AND TERMINATE WITH AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
- ROUTE WATER FILTER FLUSH SYSTEM DRAIN PIPING DOWN INSIDE WALL AND DISCHARGE INTO HUB DRAIN. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN.
- NEW FLOOR DRAIN SHALL BE INSTALLED 3/8" BELOW FINISH FLOOR AND SLOPE SLAB TOWARD DRAIN AT 1/8" PER FOOT. DRAIN SHALL BE SET LEVEL WITH CONCRETE. SEE DETAIL 9/P311.
- PC SHALL PROVIDE CAST IRON P-TRAP AND 10' MINIMUM OF CAST IRON WASTE PIPING LEADER.
- ROUTE SYRUP LINES OVERHEAD, DOWN INSIDE WALL IN A PVC CHASE AND PENETRATE BELOW EQUIPMENT AND ROUTE TO SODA SYSTEM. COORDINATE WITH BEVERAGE VENDOR.
- ROUTE SYRUP LINES OVERHEAD, DOWN INSIDE S.S. CHASE AND PENETRATE BELOW EQUIPMENT AND ROUTE TO SODA SYSTEM. COORDINATE WITH BEVERAGE VENDOR.
- 1" TRAPPED CONDENSATE PIPING FROM COOLER/FREEZER CONDENSING COILS. PROVIDE AND INSTALL HEAT TRACE TAPE (10 W/LIN. FT.) ON PIPING WITHIN FREEZER. SLEEVE AND SEAL THRU COOLER/FREEZER WALL AT 12" ABOVE FINISHED GRADE OVER SPLASH BLOCK. TURN DOWN TO 6" (MIN.) ABOVE GRADE. PROVIDE INSECT/VERMIN SCREEN AT OPEN END OF PIPE.
- PC SHALL ATTEMPT TO LOCATE VENT WITHIN 15' OF GREASE TRAP.
- ROUTE 1 1/2" SINK COMPARTMENT DRAIN TO FLOOR SINK. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL BID THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.

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PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: **PLUMBING WASTE/VENT PLAN**

Revisions

THRU ADDENDUM "D"
11/21/2022

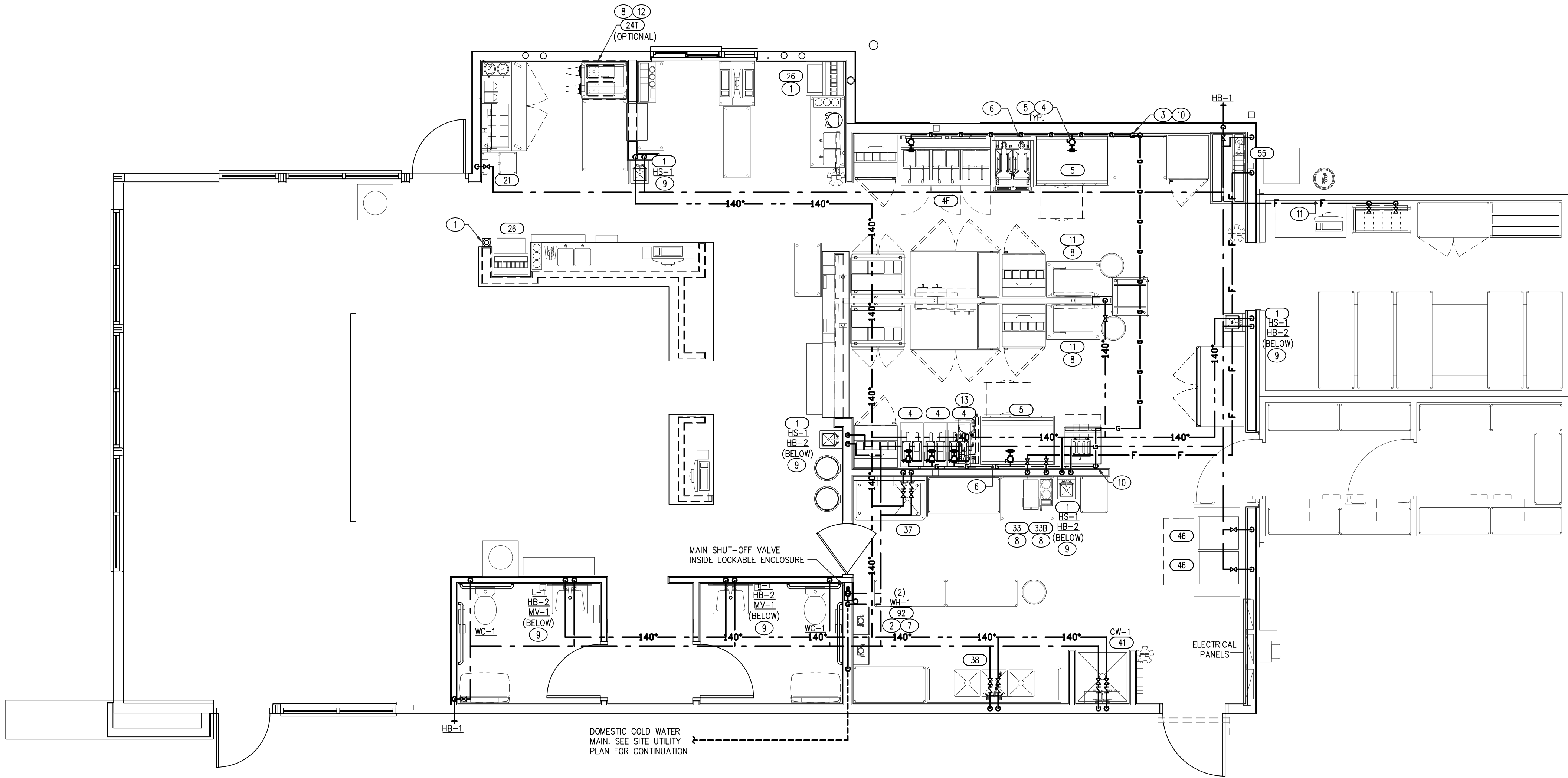
PROJECT DATE
06/29/2023

Drawn By
JCL

Checked By
SDS

Sheet No.

P111



1 PLUMBING WATER AND GAS PLAN
P112 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- SEE SHEET P001 FOR ALL GENERAL NOTES.
- SEE RISER DIAGRAMS SHEET P211 FOR ALL PIPE SIZES NOT SHOWN.
- PC SHALL VERIFY AVAILABLE WATER PRESSURE AT THE BUILDING. WATER PRESSURE REQUIRED AT WATER HEATER SHALL BE 30 PSI MIN AND 20PSI AT FLUSH VALVE WATER CLOSURES. IF AVAILABLE PRESSURE IS LESS PROVIDE BOOSTER PUMP TO MAINTAIN ADEQUATE PRESSURE. CONTACT ENGINEER FOR PROPER SIZING OF BOOSTER PUMP SYSTEM DOWNSTREAM OF BACKFLOW PREVENTER AS REQUIRED.
- PC SHALL VERIFY AVAILABLE WATER PRESSURE AT THE BUILDING. IF BUILDING PRESSURE IS ABOVE 75 PSI, A PRESSURE REDUCING VALVE IS REQUIRED FOR THE BUILDING.

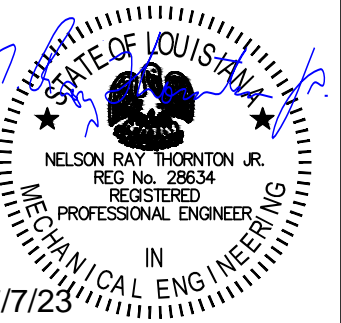
CONSTRUCTION NOTES:

- PROVIDE 1/2" FW LINE ROUTED WITH SYRUP BUNDLE FROM PYTHON TO SODA MACHINE. COORDINATE WITH BEVERAGE COMPANY FOR CONNECTIONS TO TAKE PLACE INSIDE THE CABINET. PROVIDE IN-LINE ASSE 1022 BACKFLOW PREVENTER AND SHUT OFF VALVE.
- GAS PIPING FROM ABOVE CEILING TO WATER HEATERS. SEE DETAIL 1/P301 AND GAS RISER 2/P211.
- INSTALL ANSUL SUPPLIED MECHANICAL VALVE, VALVE PROVIDED WITH HOOD ANSUL SYSTEM PACKAGE. FIELD COORDINATE. MOUNT BELOW CEILING. SECURE GAS TO ADJACENT WALLS AS REQUIRED.
- PROVIDE AND INSTALL GAS CONNECTIONS TO EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS. PROVIDE 6" DIRT LEG, UNION, GAS COCK AND MANIFOLD REGULATOR ON OR BEFORE ALL GAS FIRED EQUIPMENT.
- PC SHALL INSTALL 18" GAS FLEX HOSE FLEXIBLE CONNECTION TO ALLOW EQUIPMENT TO BE MOVED FOR CLEANING WITH QUICK DISCONNECT (PROVIDED BY F.E.C.).
- PC SHALL ROUTE GAS HEADER AT 12" A.F.F. TO COOKING EQUIPMENT AS SHOWN ON PLAN. SEE GAS RISER 2/P211 FOR BRANCH PIPE SIZES. SECURE GAS TO ADJACENT WALLS AS REQUIRED.
- PC SHALL INSTALL CPVC PIPING AND CONNECTIONS TO WATER HEATER, AND ALL OTHER EQUIPMENT PER ALL LOCAL AND STATE PLUMBING CODE REQUIREMENTS AS CONCERNING CPVC PIPING.
- PC SHALL PROVIDE CUT-OFF VALVE W/ QUICK DISCONNECT ACCESSIBLE FOR CLEANING.
- PROVIDE MIXING VALVE BELOW EACH HAND SINK/LAVATORY, SET TEMPERATURE TO MAINTAIN 110° (MAX.) AND HOSE BIBB WHERE INDICATED ON PLANS. SEE DETAIL 10/P311.
- ROUTE GAS PIPING FROM ABOVE CEILING, DOWN SECURE ALONG WALL. SEE DETAIL 7/P311.
- ROUTE FILTERED WATER PIPING HIGH SECURE ALONG WALL AND TERMINATE PER VENDORS DIRECTION.
- OPTIONAL EQUIPMENT - G.C. TO VERIFY/COORDINATE FINAL EQUIPMENT PACKAGE PRIOR TO INSTALLING UTILITIES OR CONNECTING EQUIPMENT. IF OPTIONAL CUSTARD MACHINE #241 IS PURCHASED, BRANCH 1/2" CW PIPING FROM MAIN DOWN WALL TO NEW CUSTARD MACHINE.
- OPTIONAL EQUIPMENT - G.C. TO VERIFY/COORDINATE FINAL EQUIPMENT PACKAGE PRIOR TO INSTALLING UTILITIES OR CONNECTING EQUIPMENT. IF OPTIONAL CLAMSHELL #65D GRILL IS PURCHASED, KEEP 1-1/4" GAS MANIFOLD WITH TWO FRYERS IN THIS LOCATION.

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PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: **PLUMBING WATER AND GAS PLAN**

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By
JCL

Checked By
SDS

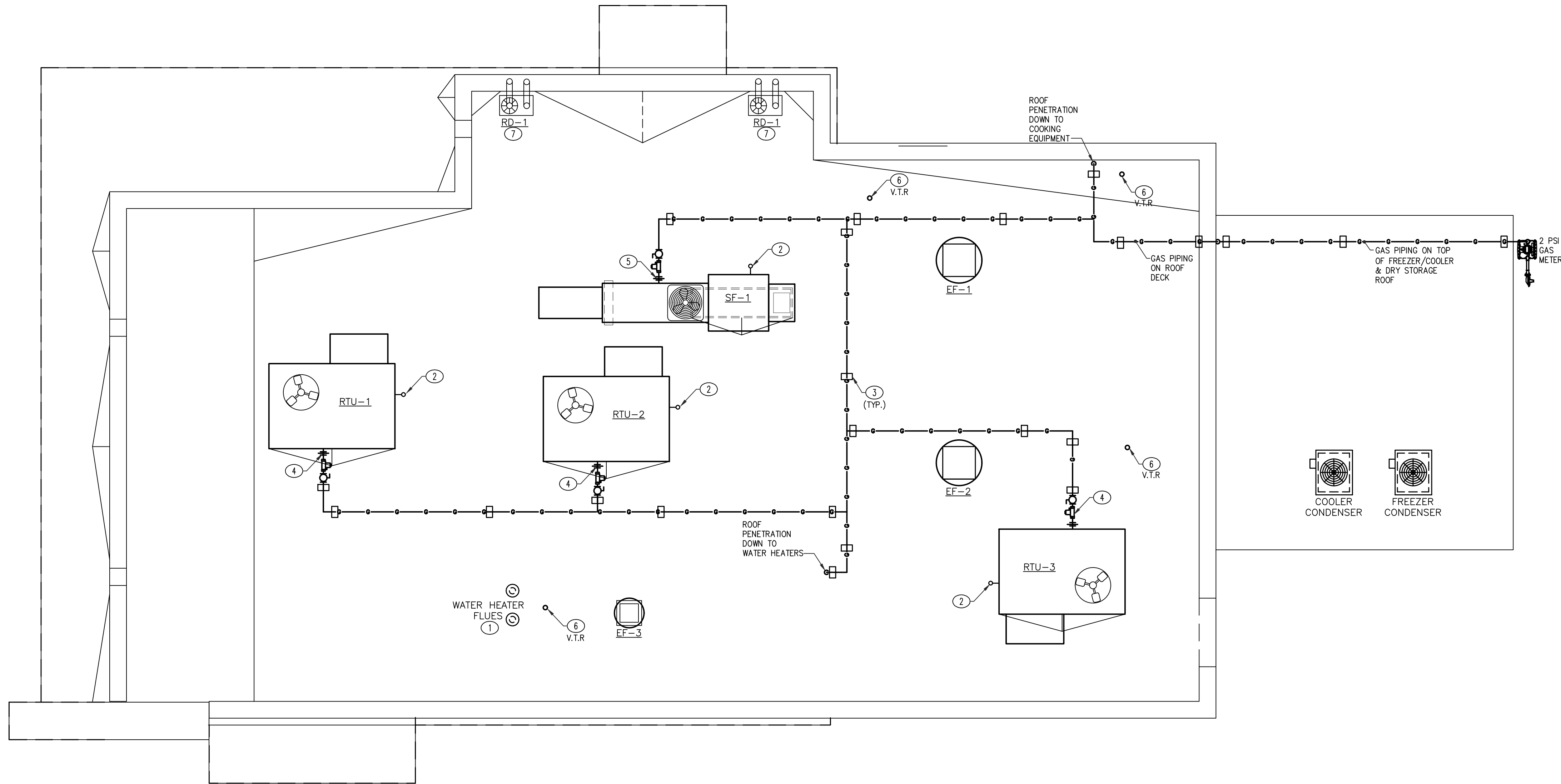
Sheet No.

P112

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL BID THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

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Drawing File: Z:\2023\23047-HWY55-Hammond LA\CAD\P113.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:57pm



1 PLUMBING ROOF PLAN
P113 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- SEE SHEET P001 FOR ALL GENERAL NOTES.
- TYPICAL VENT THRU-ROOF DETAIL 11/P311.
- ALL PENETRATIONS THRU ROOF SHALL BE BY GENERAL CONTRACTOR AS PER ROOF MANUFACTURER'S STANDARD.
- DO NOT SCALE DRAWING. ALL PLUMBING VENT OUTLETS THROUGH ROOF SHALL TERMINATE AT PARAPET HEIGHT (MIN.).
- ALL PLUMBING ON ROOF MUST BE PERMANENTLY SECURED AND ABLE TO WITHSTAND HIGH WIND LOADS.

CONSTRUCTION NOTES:

- PC SHALL ROUTE WATER HEATER CONCENTRIC VENT SYSTEM TO ROOF AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. PIPING SHALL NOT EXHAUST WITHIN 10'-0" FROM ANY FRESH AIR INTAKE. MINIMUM DISTANCE FROM PARAPET WALL SHALL BE 2'-0". OFFSET AS REQUIRED PER MANUFACTURERS RECOMMENDATION.
- PC SHALL INSTALL SCH. 40 1" PVC CONDENSATE DRAIN LINE FROM EACH RTU AND SF AND ROUTE TO SPLASH BLOCK ON ROOF. SEE DETAIL 6/P311.
- PIPE SUPPORTS SPACED AT EVERY 10' AND AT ALL CHANGES IN DIRECTION (TYP.). SEE DETAIL 3/P311
- PC SHALL PROVIDE/INSTALL UNION, GAS COCK, DRIP LEG AND REGULATOR AT EACH GAS CONNECTION. REGULATOR VENT SHALL FACE DOWN TO PREVENT ANY RAIN FROM ENTERING THE VALVE.
- HEATED MAKE-UP AIR GAS CONNECTION, SEE THIS SHEET AND HOOD SHEETS.
- VENT THROUGH ROOF, SEE DETAIL 11/P311.
- ROUTE 4" SCH 40 PVC HORIZONTAL AND VERTICAL ROOF DRAIN PIPING DOWN INSIDE WALL AND TERMINATE PER DETAIL ON SHEET A501. SEE DETAIL 6/A161 FOR ROOF DRAIN FUTURE (RD-1) INSTALLATION.

ROOF DRAIN SIZING

Physical Data		
Roof Area (ft²):	2088.08	
Front Parapet Area (ft²):	199.55	
Rear Parapet Area (ft²):	207.55	
Left Parapet Area (ft²):	364.36	
Right Parapet Area (ft²):	320.80	
Total Developed Area (ft²):		2604.21
Table Lookup Data	Primary Conductors	Secondary Conductors
Rainfall Rate (in/hr):	4.80	6.00
VERTICAL CONDUCTORS		
Number of Vertical Conductors:	2	2
Vertical conductor Size (in):	4	4
Required Area per Vertical Conductor (ft²):	1302	1302
Maximum Area per Conductor (ft²):	3833	3070
Result:	OK	OK
HORIZONTAL CONDUCTORS		
Large Rainfall Correction Factor:	4.80	6.00
Horizontal conductor Size (in):	4	4
Conductor Slope (%):	1	4
Required Area per Horizontal Conductor (ft²):	1302	1302
Maximum Area per Conductor (ft²):	8640	15000
Result:	OK	OK

LHMT Project No. 23047.00

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STATE OF LOUISIANA
NELSON RAY THORNTON JR.
REG. NO. 29834
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING
IN 7/7/23

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: PLUMBING ROOF PLAN

Revisions

THRU ADDENDUM	"D"
11/21/2022	

PROJECT DATE
06/29/2023

Drawn By
JCL

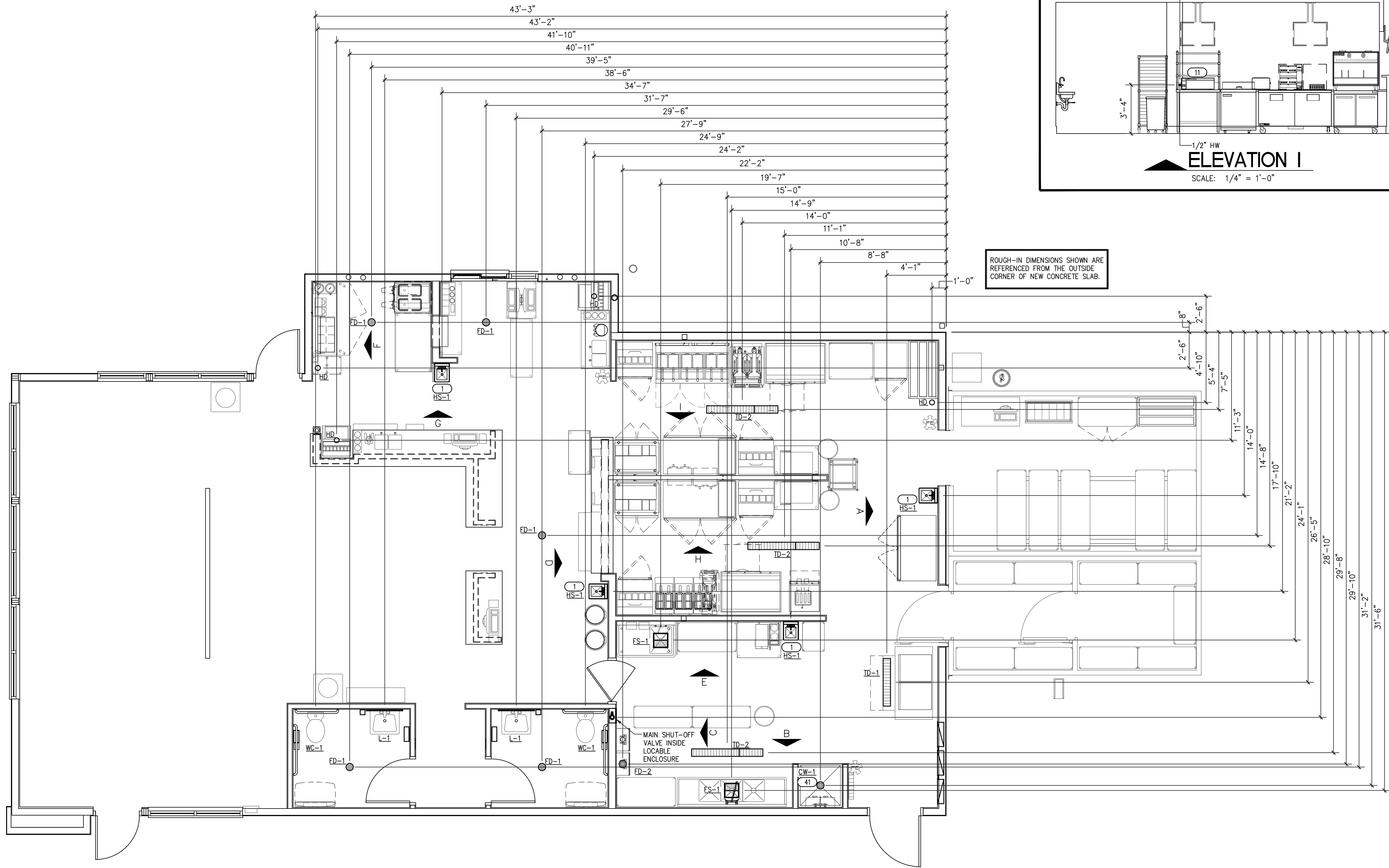
Checked By
SDS

Sheet No.
P113

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL BID THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

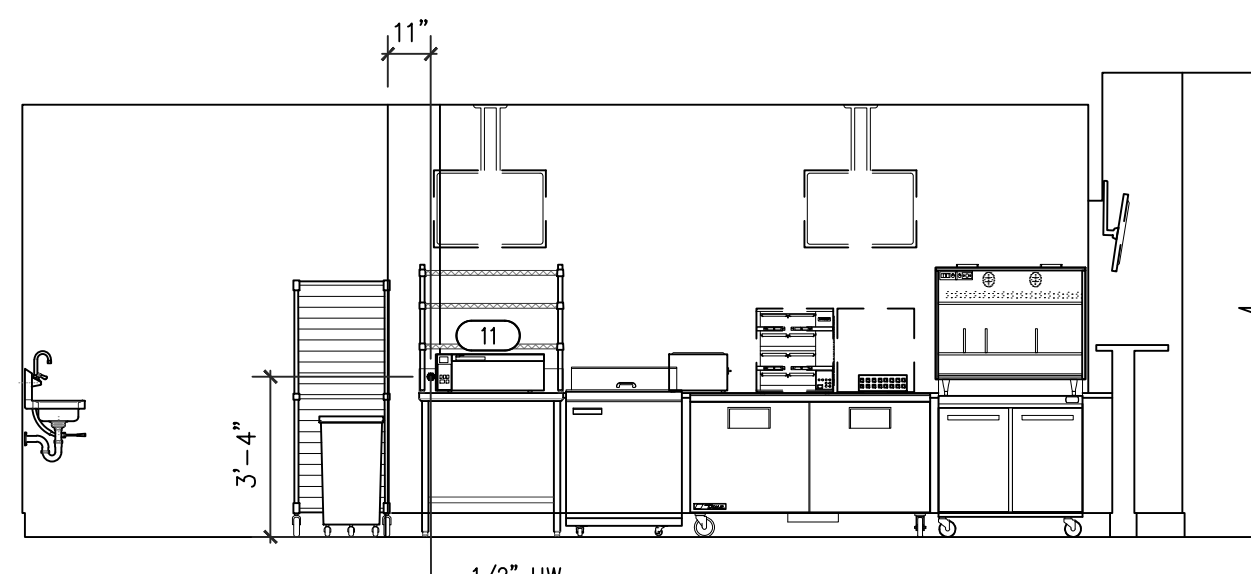
WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.

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Plotted Date: Jun 29, 2023 - 2:57pm

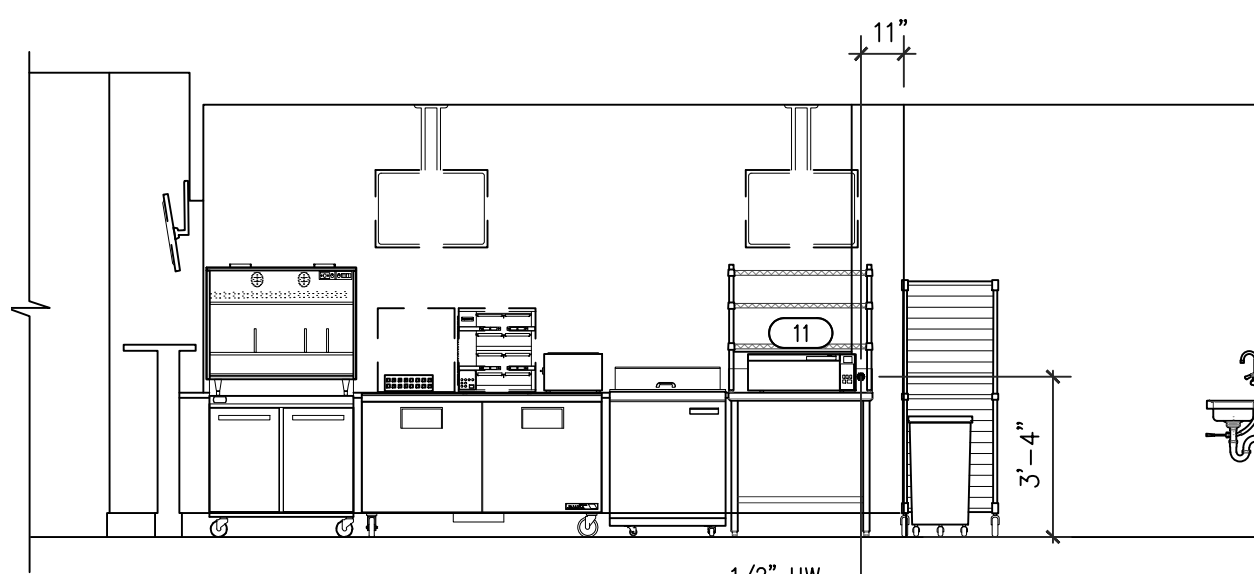


1 PLUMBING ROUGH-IN PLAN
P114 SCALE: 1/4" = 1'-0"

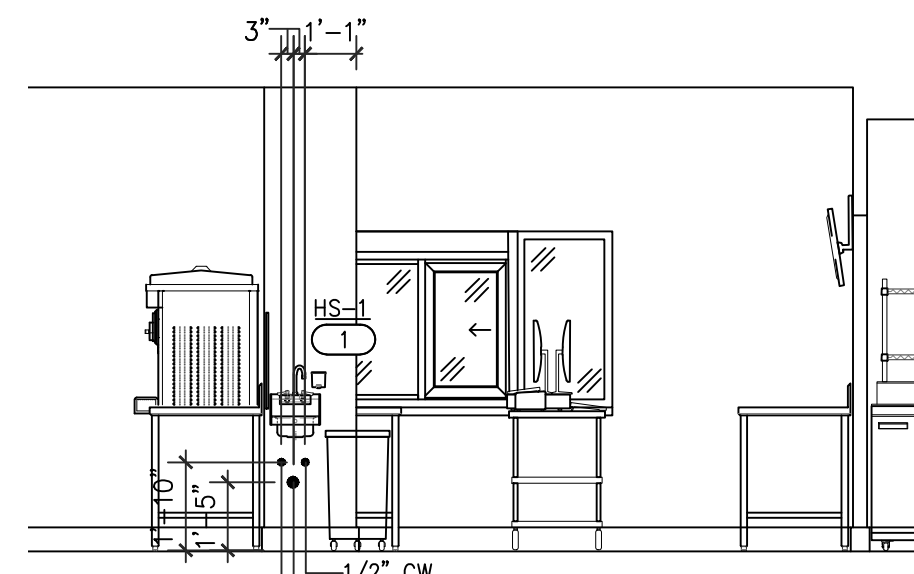
ROUGH-IN DIMENSIONS SHOWN ARE
REFERENCED FROM THE OUTSIDE
CORNER OF NEW CONCRETE SLAB.



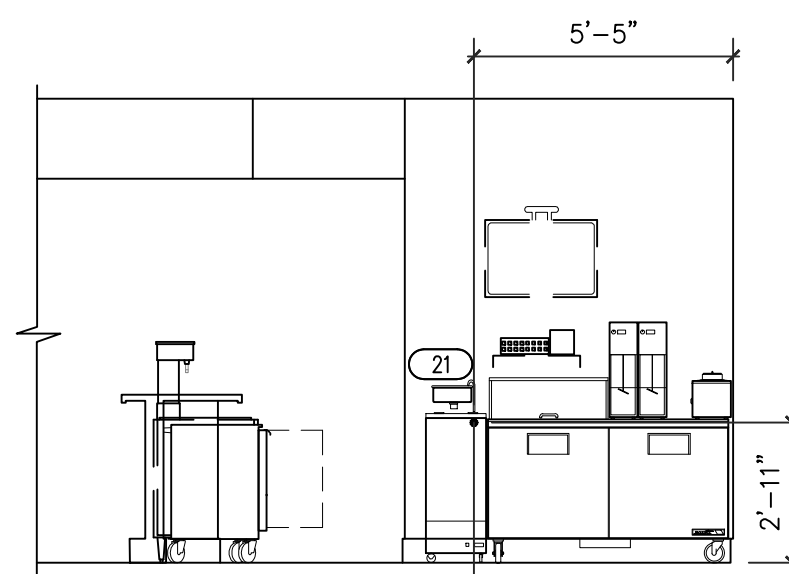
ELEVATION I
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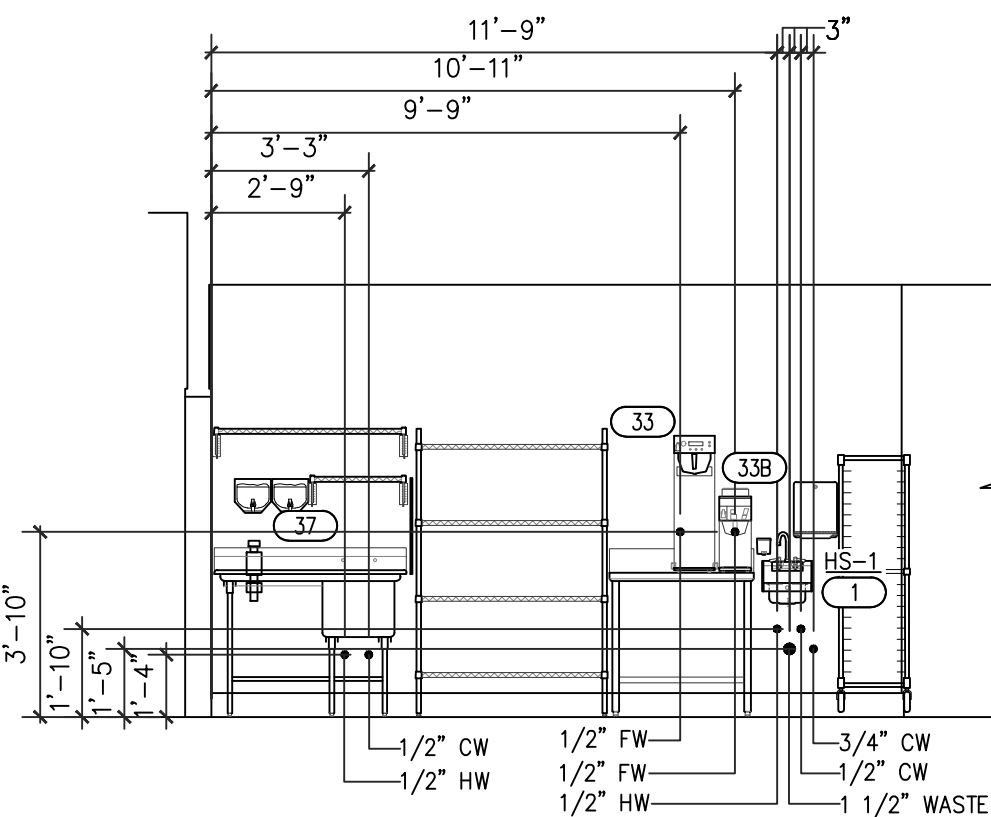
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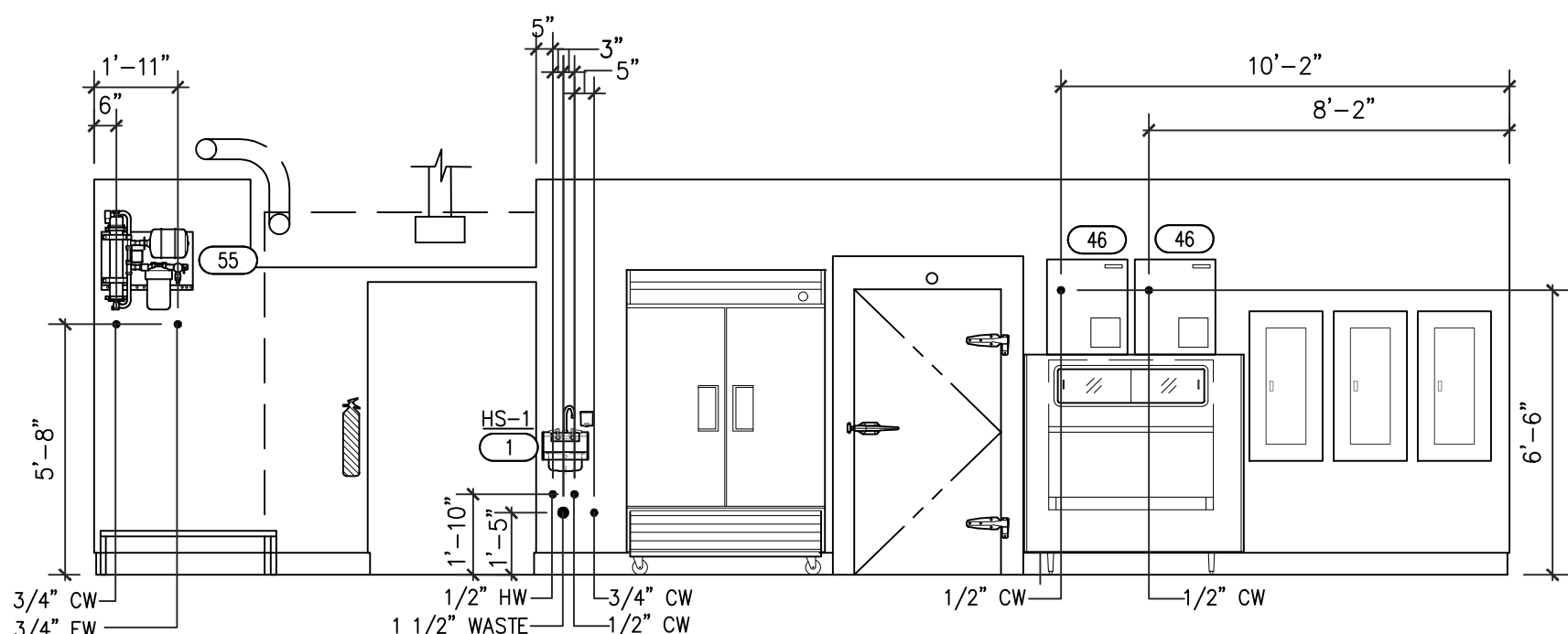
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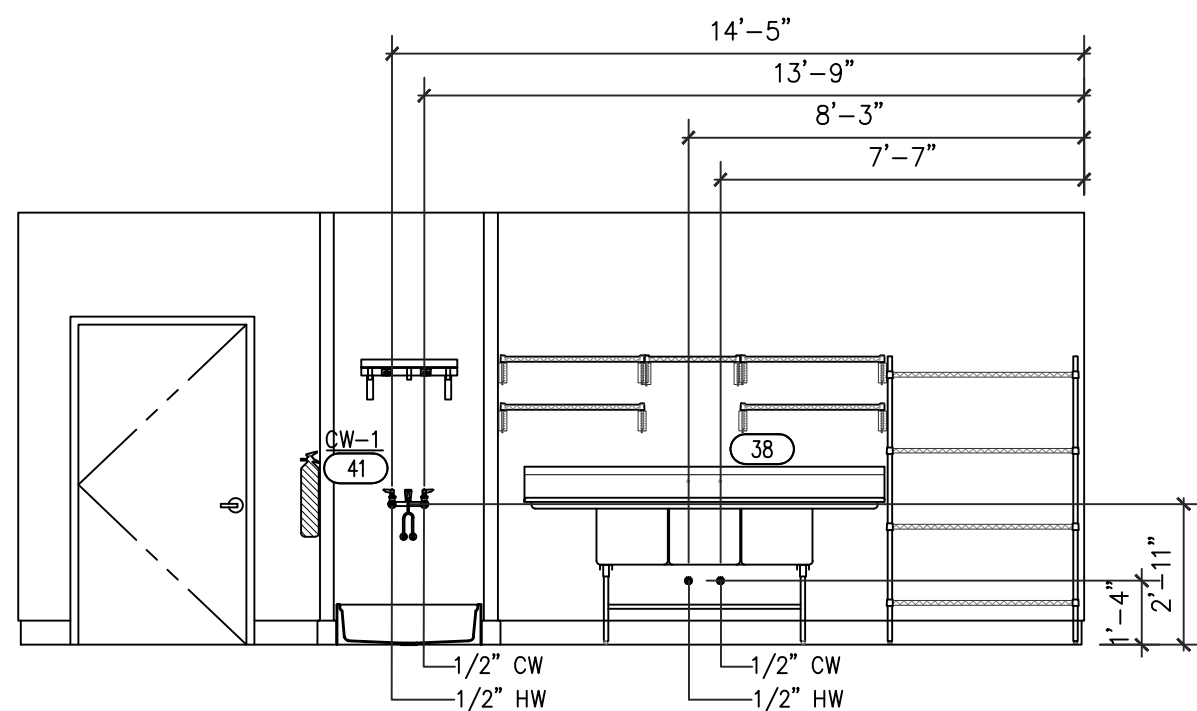
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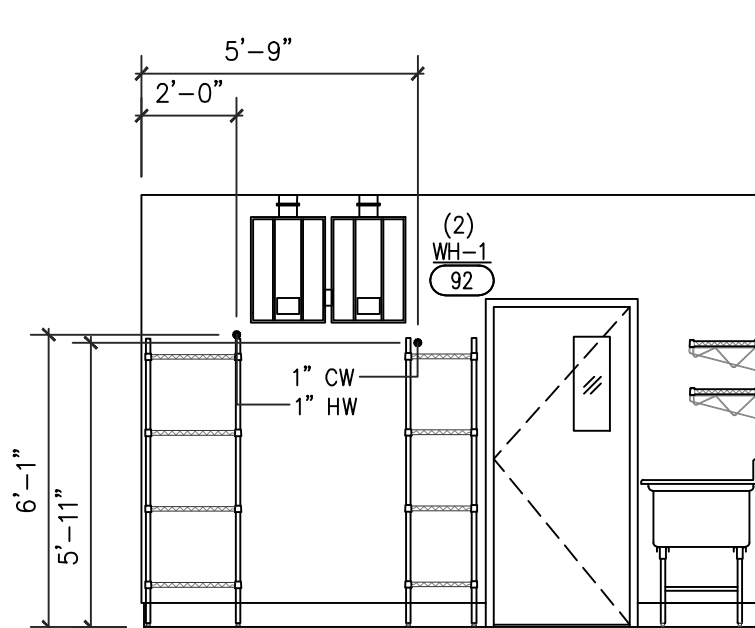
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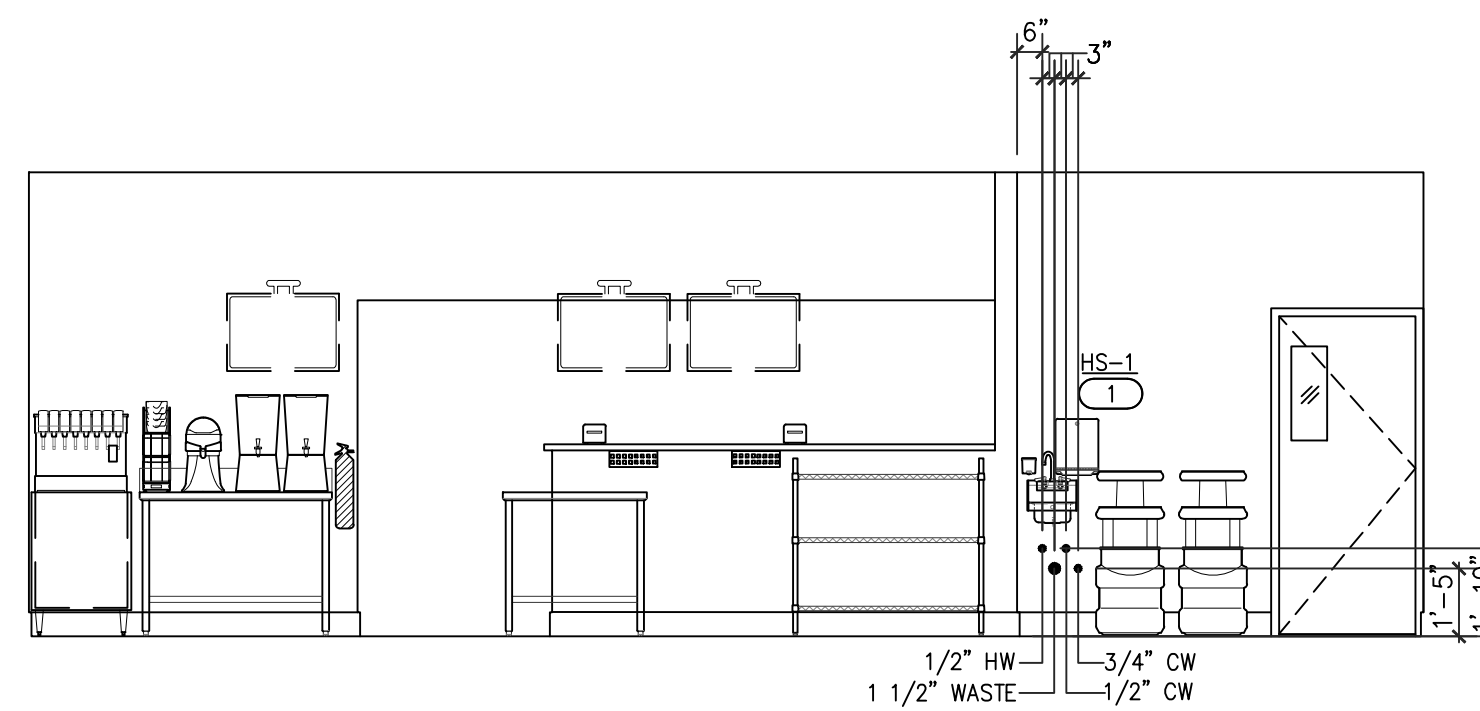
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ELEVATION B
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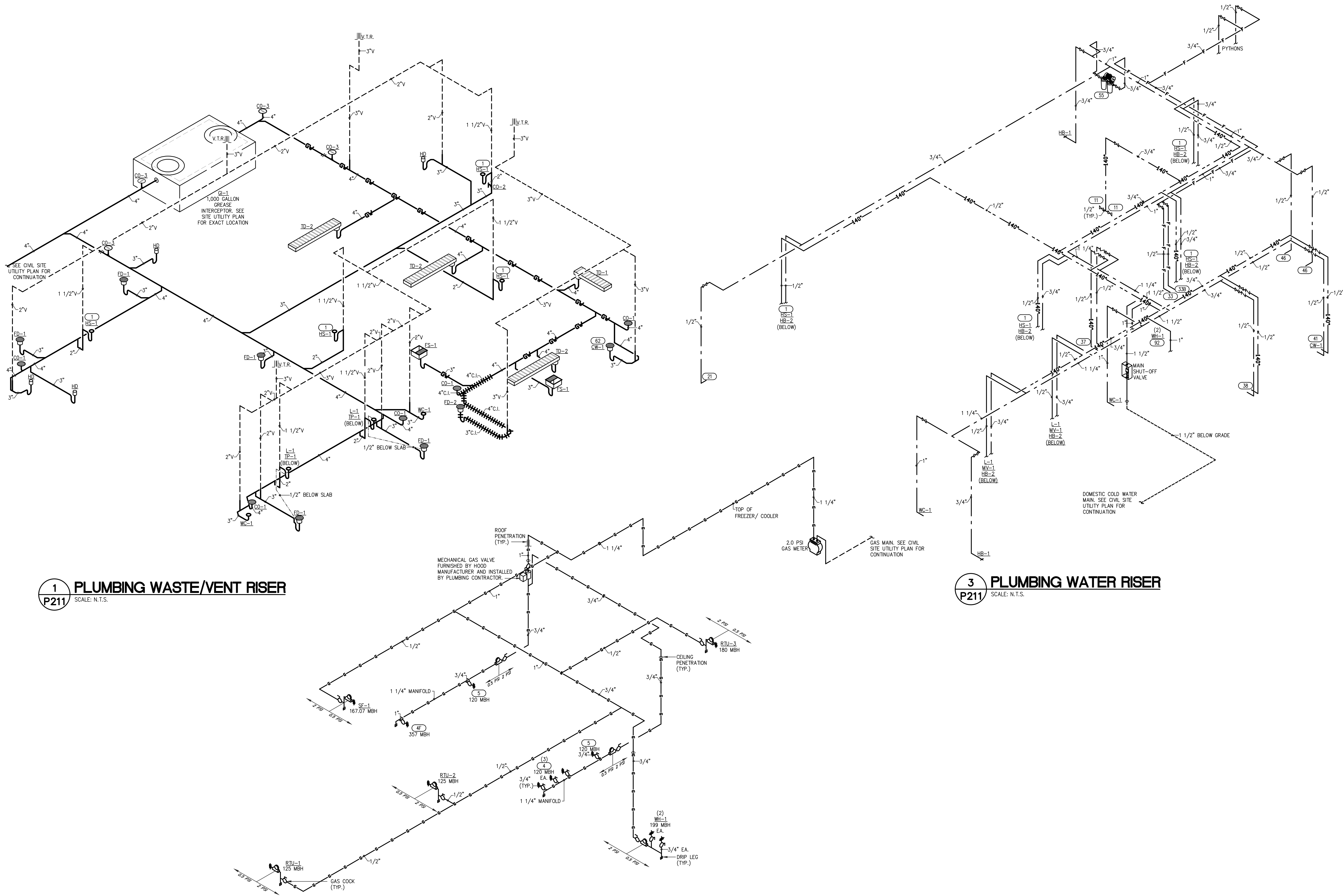


ELEVATION C
SCALE: 1/4" = 1'-0"



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

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STATE OF LOUISIANA

SEAL OF THE STATE ENGINEER

NELSON RAY THORNTON, JR.
REG. NO. 29834
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING
7/17/23

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: **PLUMBING RISERS**

Revisions

THRU ADDENDUM "D"
11/21/2022

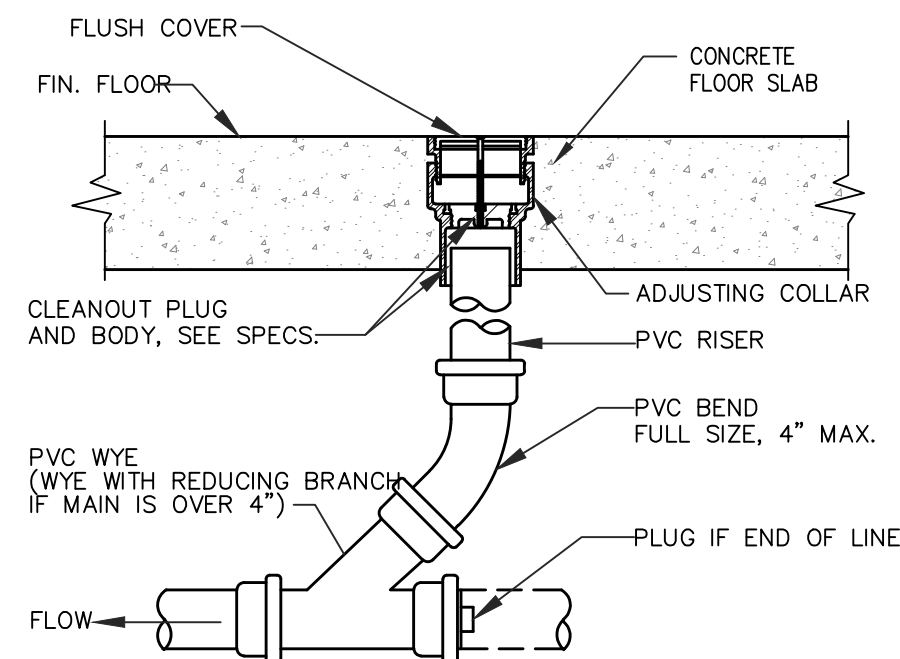
PROJECT DATE
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Drawn By
JCL

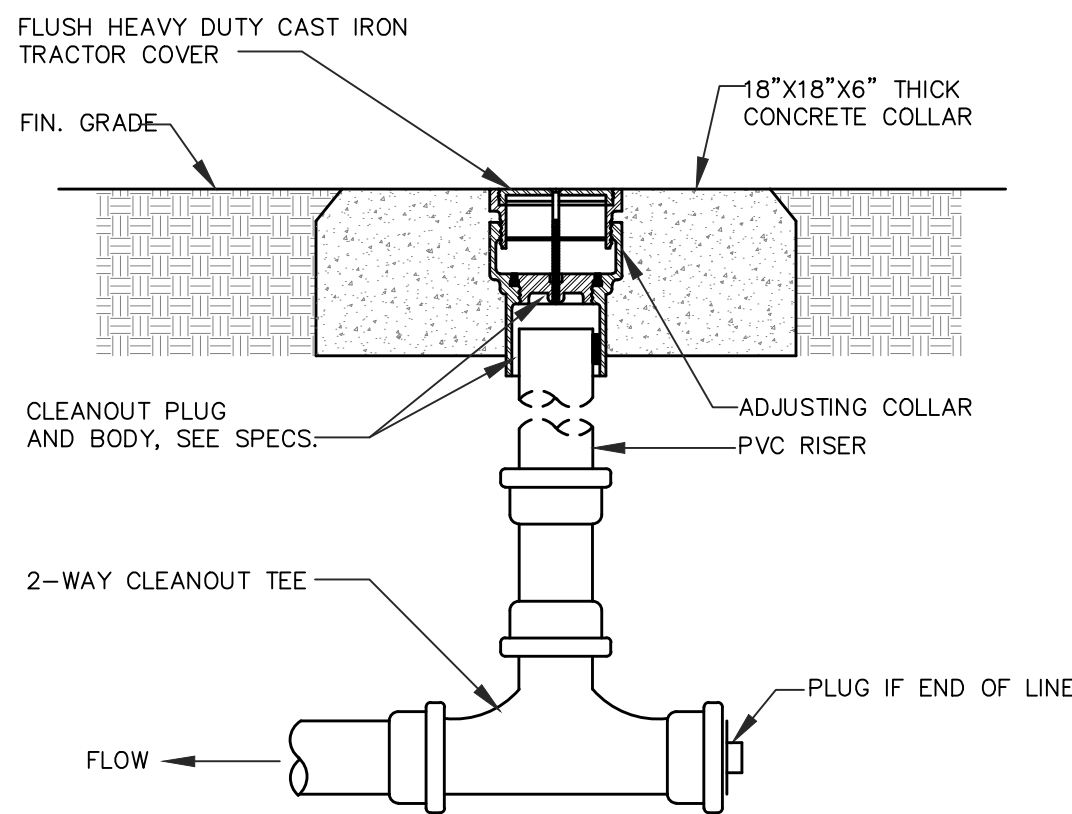
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Sheet No.
P211

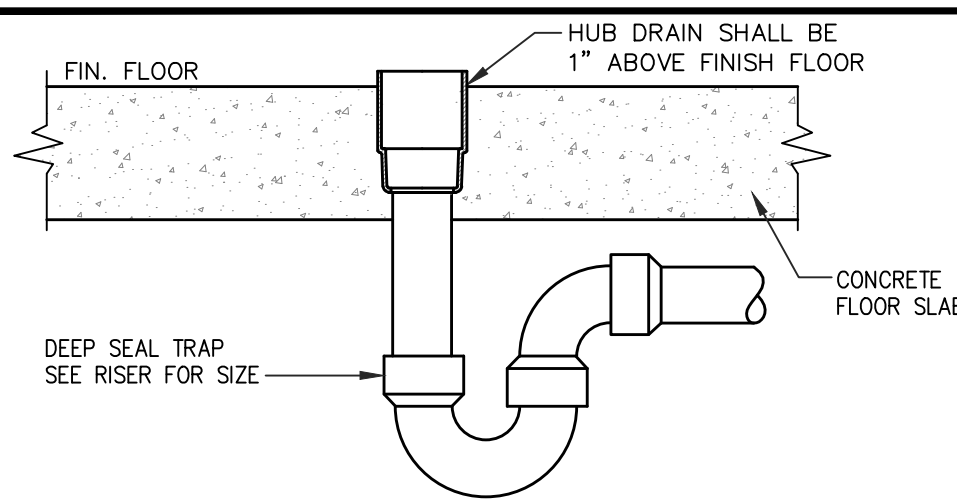
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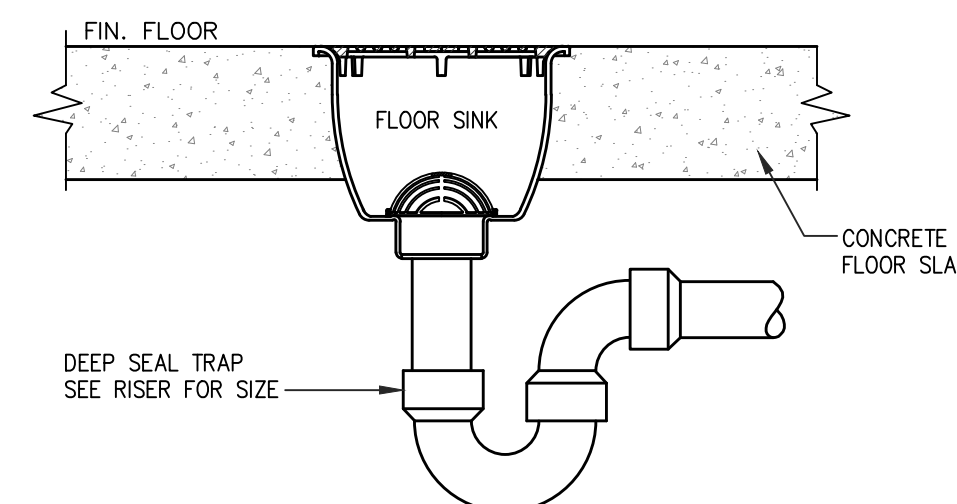
12 FLOOR CLEANOUT DETAIL
P311 SCALE: NONE



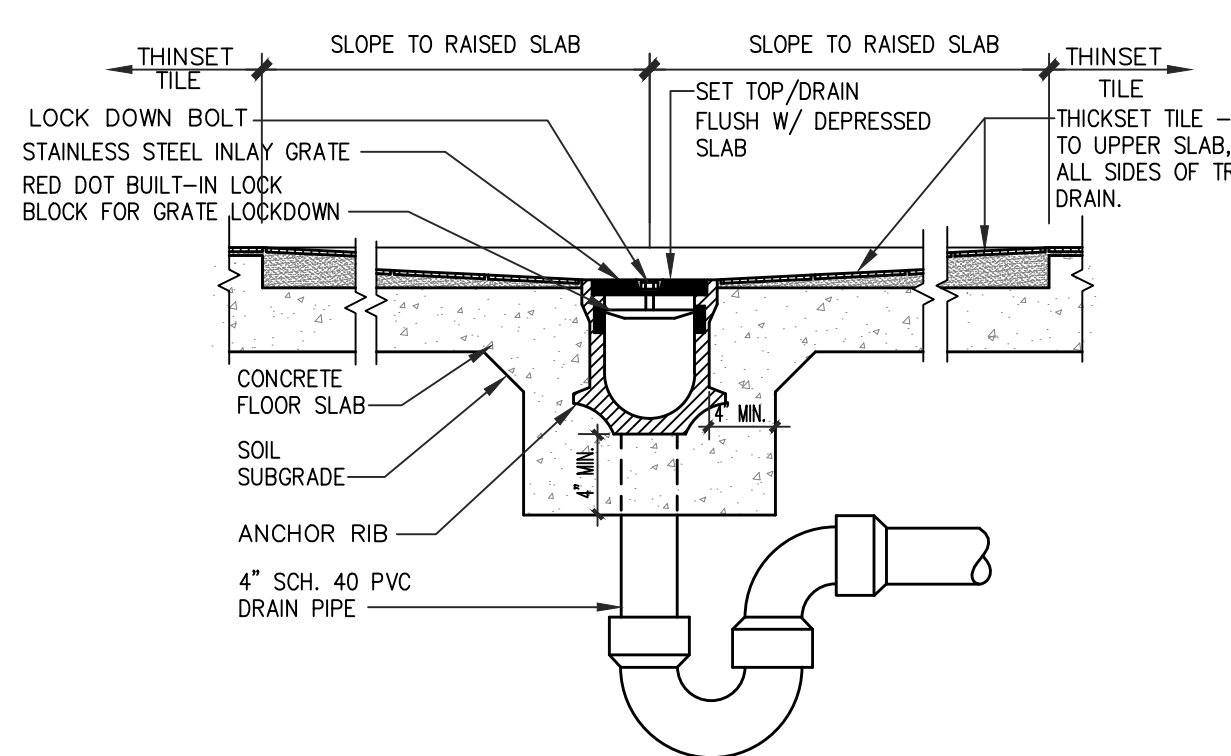
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P311 SCALE: NONE



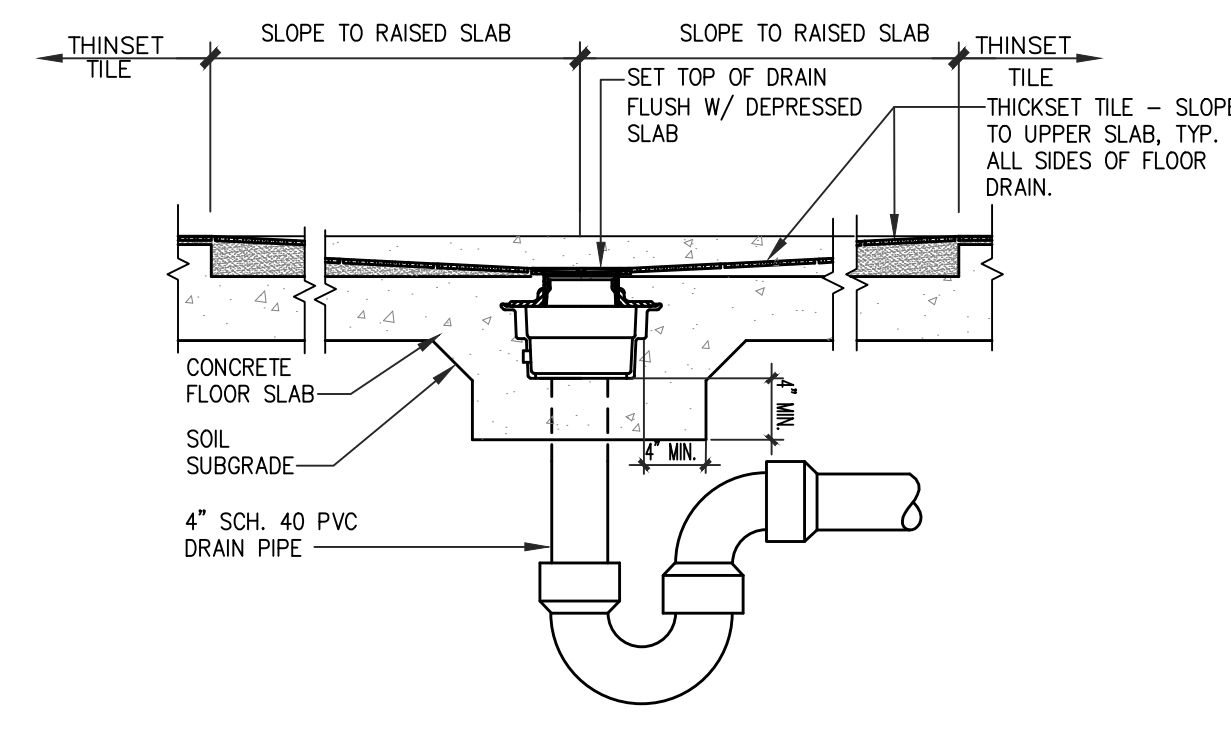
14 HUB DRAIN DETAIL
P311 SCALE: N.T.S.



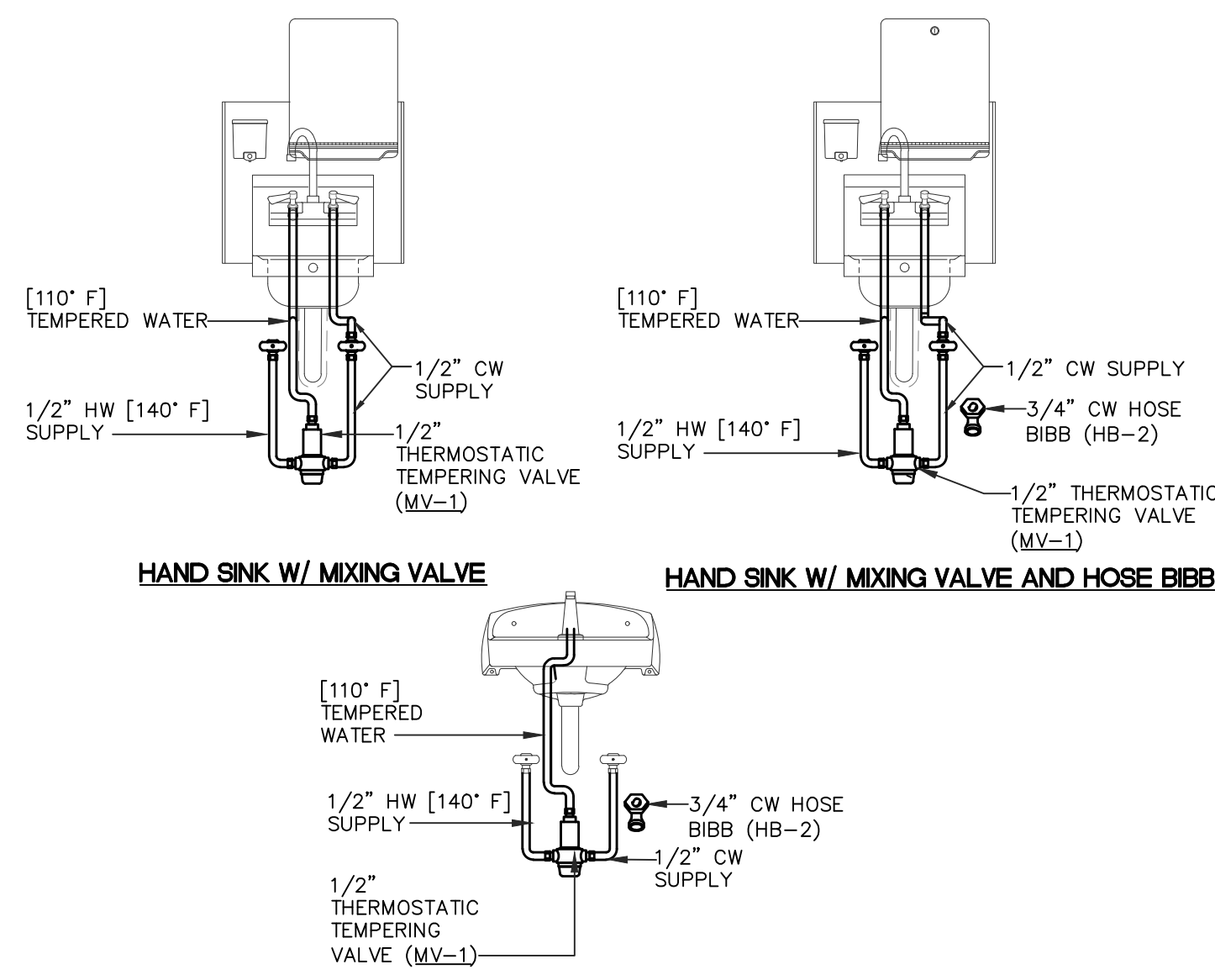
15 FLOOR SINK DETAIL
P311 SCALE: N.T.S.



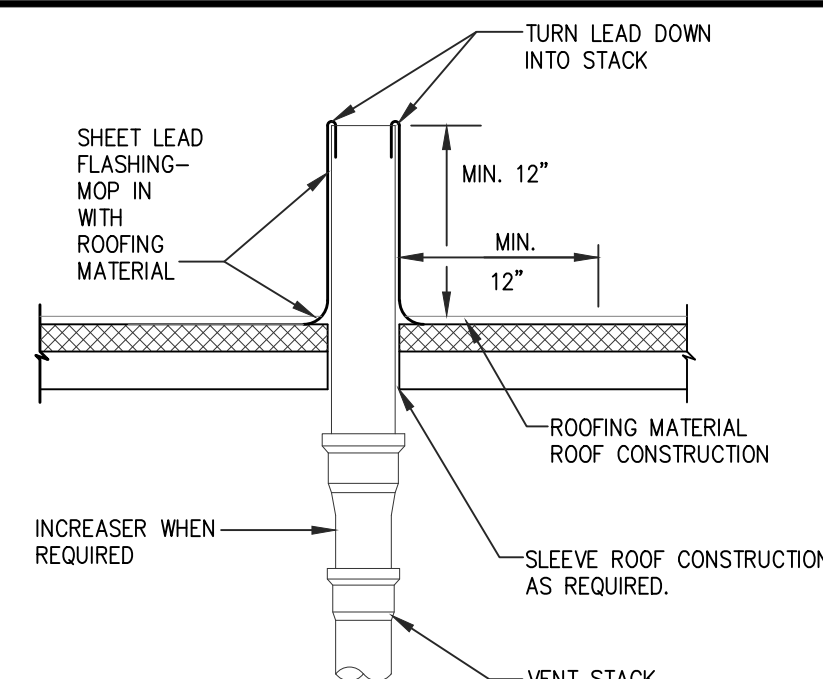
8 TRENCH DRAIN DETAIL
P311 SCALE: N.T.S.



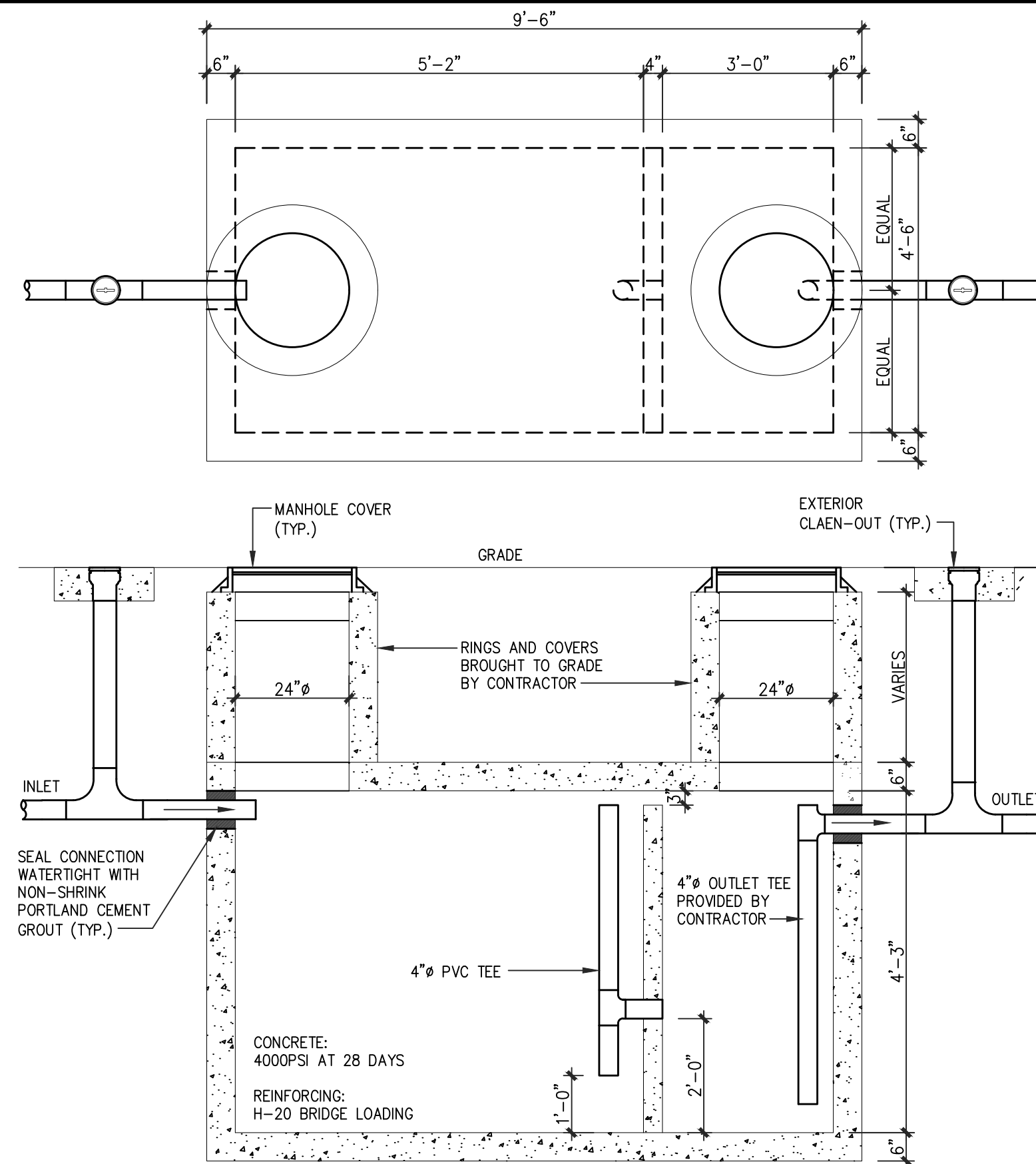
9 FLOOR DRAIN DETAIL
P311 SCALE: N.T.S.



10 LAVATORY/ HAND SINK DETAIL
P311 SCALE: N.T.S.

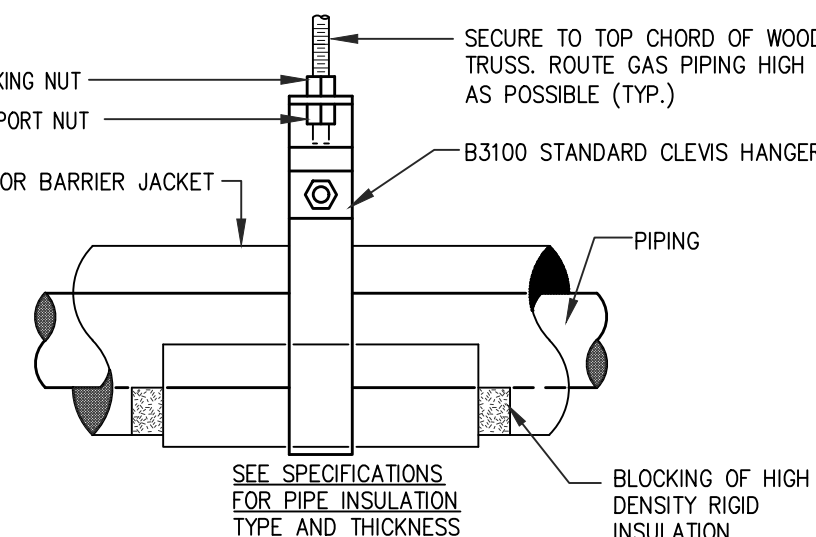


11 VENT THRU ROOF DETAIL
P311 SCALE: N.T.S.

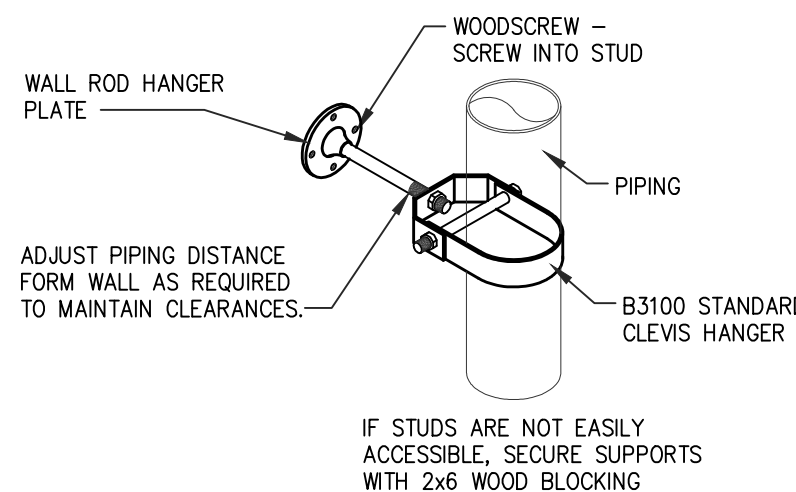


- NOTES:**
- GREASE TRAP SHALL BE DESIGNED BY MANUFACTURER TO RESIST ALL LOADS.
 - SHOP DRAWINGS SHALL SHOW EXACT DIMENSIONS, WALL THICKNESSES, CONC. STRENGTH, ETC.
 - GREASE TRAP INSIDE DIMENSIONS ARE APPROXIMATE & ANY CHANGES IN LENGTH x WIDTH x DEPTH SHALL BE ADJUSTED IN PROPORTIONS SHOWN.

4 1000 GAL. GREASE INTERCEPTOR
P311 SCALE: N.T.S.

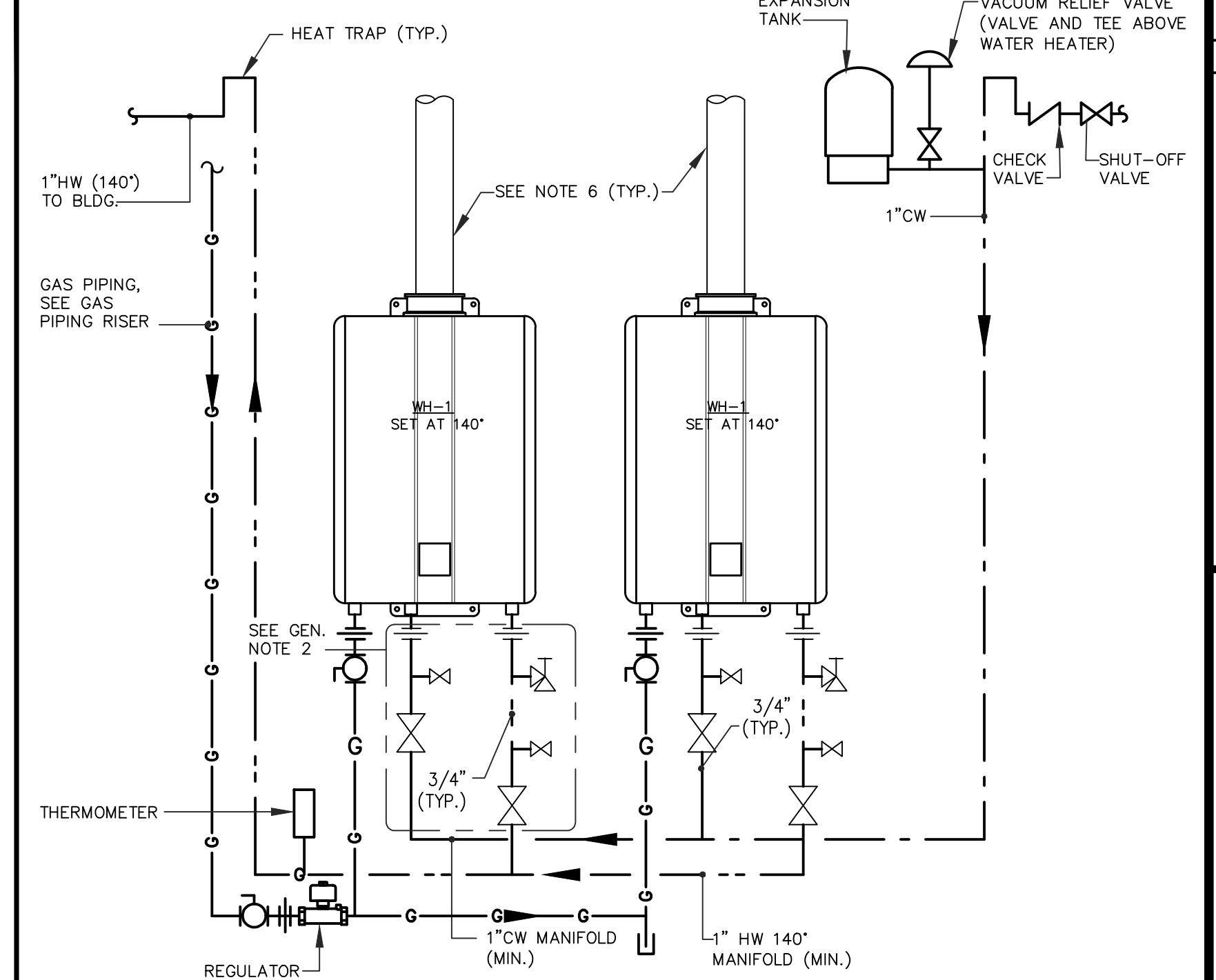


SUSPENDED PIPE INSTALLATION



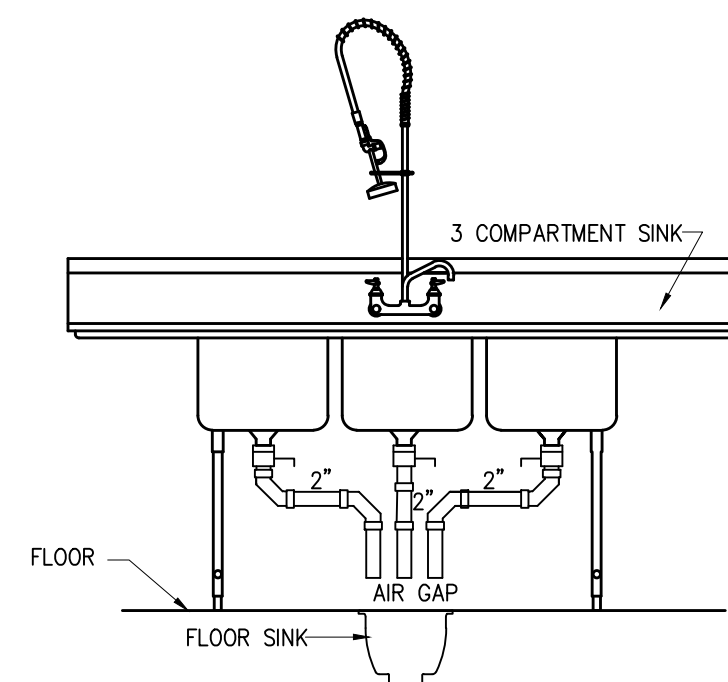
WALL INSTALLATION

7 PIPING SUPPORT DETAILS
P311 SCALE: N.T.S.

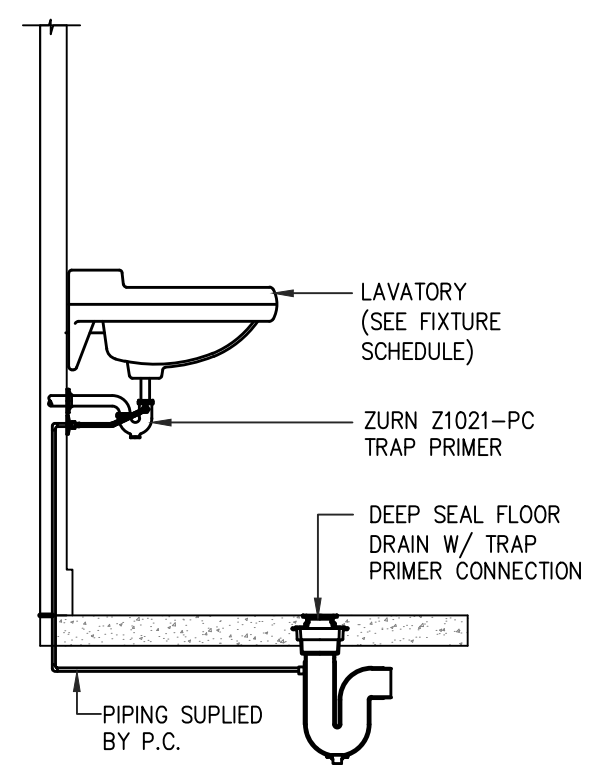


- GENERAL:**
- P.C. SHALL INSULATE CW/HW SUPPLY PIPING FROM WATER HEATER INLET/OUTLET.
 - PROVIDE WATER HEATER PIPING KIT MODEL: IK-WV-200-3 FOR EACH WATER HEATER (WH-1).
 - P.C. SHALL PROVIDE AND INSULATE ALL 3/4" PIPING.
 - P.C. SHALL PROVIDE ALL CONTROLS WITH PACKAGE AND E.C. SHALL INSTALL ALL CONNECTIONS PER MANUFACTURERS RECOMMENDATIONS.
 - MOUNT WATER HEATERS ON WALL IN LOCATION AS SHOWN ON PLANS. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND CLEARANCES. REMOTES TO BE PROVIDED AND LABELED IN AN ACCESSIBLE LOCATION. COORDINATE WITH G.C.
 - P.C. SHALL ROUTE VENT SYSTEM TO ROOF AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. FLUE PIPING SHALL NOT EXHAUST WITHIN 10'-0" FROM ANY FRESH AIR INTAKE. OFFSET AS REQUIRED PER MANUFACTURERS RECOMMENDATION.

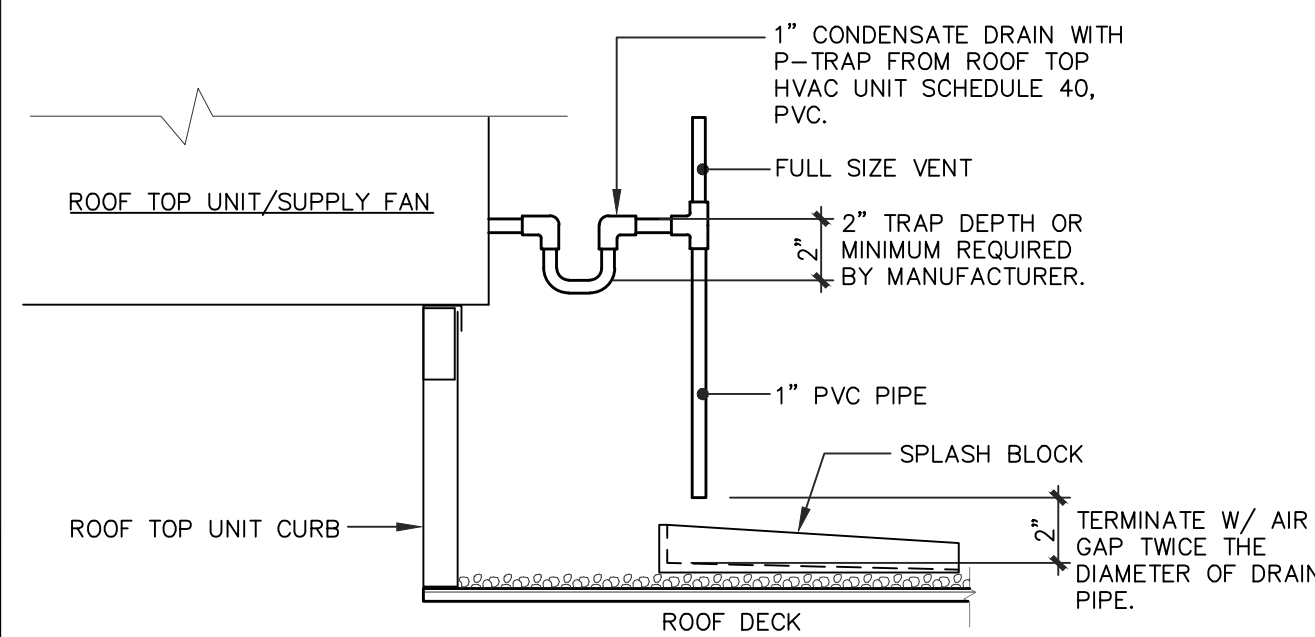
1 WATER HEATER DETAIL
P311 SCALE: N.T.S.



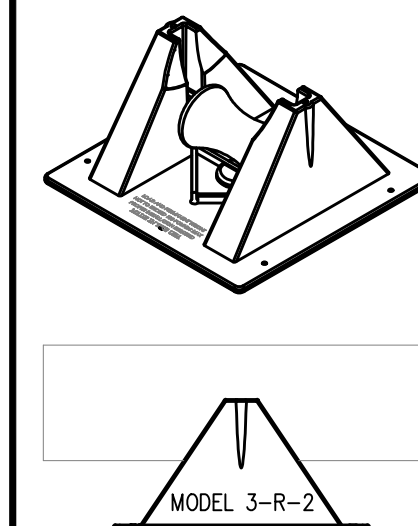
5 3-COMP SINK DETAIL
P311 SCALE: N.T.S.



2 TRAP PRIMER DETAIL
P311 SCALE: NONE



6 RTU AND SUPPLY FAN CONDENSATE DRAIN DETAIL
P311 SCALE: N.T.S.



3 ROOF PIPING SUPPORT
P311 SCALE: NONE

KEY INFORMATION

- 3" ID MAXIMUM PIPE CAPACITY
- 3-3/4" OD MAXIMUM. - PIPE CLEARANCE IS 2-1/8" EVEN LOAD REQUIRED. MAXIMUM LOAD IS 79 LBS. - 24 PER CASE, 26 LBS. PER CASE
- RECOMMENDED SPACING IS NOT TO EXCEED 7 FEET CENTERS DEPENDING UPON THE LOAD. MAKE CERTAIN EACH PIPESTAND IS PROPERLY ELEVATED TO EVEN LOAD WEIGHT AT ALL PIPESTANDS.
- BASE MATERIAL: POLYCARBONATE - AXLE AND ROLLER MATERIAL: POLYCARBONATE
- 20 YEAR WARRANTY

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DIVISION 22 PLUMBING
SECTION 221000 – FACILITY PLUMBING SYSTEMS

1.00 GENERAL DIVISION 01 AND SECTION 022050 REQUIREMENTS APPLY TO THIS SECTION.

1.01 SUMMARY

- A. SECTION INCLUDES: PLUMBING.
- B. PROVIDE LABOR, MATERIAL AND SERVICES REQUIRED FOR THE INSTALLATION OF COMPLETE AND SATISFACTORILY OPERABLE PLUMBING SYSTEM, INCLUDING EXTENSIONS OF, MODIFICATIONS AND CONNECTIONS TO EXISTING WORK. WORK IS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
1. COMPLETE SOIL, WASTE, RAIN WATER LEADERS AND VENT PIPING SYSTEMS, INCLUDING GREASE INTERCEPTOR AND CONNECTION TO SITE UTILITIES.
 2. COMPLETE COLD AND HOT WATER PIPING SYSTEMS,INCLUDING WATER HEATERS AND PIPING AND EQUIPMENT THERMAL INSULATION.
 3. PLUMBING FIXTURES, ALL NECESSARY TRIM AND ACCESSORIES.
 4. EXCAVATION AND BACKFILL NECESSARY FOR WORK AND RESTORATION OF DAMAGED SURFACES AS REQUIRED.
 5. DEMOLITION AND REMOVAL OF EXISTING MATERIALS AND EQUIPMENT RENDERED USELESS BY NEW WORK.
 6. CUTTING, PATCHING, SLEEVES, CHASES, HANGERS, TESTING, AND OTHER ITEMS REQUIRED FOR COMPLETE PLUMBING SYSTEMS.
 7. ROUGH IN AND FINAL CONNECTION KITCHEN EQUIPMENT.

1.02 EXAMINATION OF SITE

- A. CONTRACTOR SHALL EXAMINE THE CONSTRUCTION SITE AND EXISTING CONDITIONS AND TO COMPARE FIELD CONDITION WITH THE DRAWINGS AND SPECIFICATIONS.
- B. VERIFY CONDITIONS: VERIFY MEASUREMENTS AND ELEVATIONS IN FIELD AS REQUIRED FOR WORK FABRICATED AND ELEVATIONS IN FIELD AS REQUIRED FOR WORK FABRICATED TO FIT JOB CONDITIONS. BEFORE STARTING WORK, GIVE WRITTEN NOTIFICATION OF ANY EXISTING DEFICIENCIES DETRIMENTAL TO PROPER AND TIMELY INSTALLATION OF WORK.

2.00 PRODUCTS

2.01 MATERIALS

- A. THE TERM "PIPING" AS USED HEREIN SHALL MEAN ALL PIPE, FITTINGS, NIPPLES, VALVES, UNIONS, ETC., AS MAY BE REQUIRED FOR A CONTINUOUS SYSTEM OF PIPING, AND SHALL BE SO CONSIDERED IN THIS SPECIFICATION.
- B. SOIL, WASTE, RAIN WATER LEADERS AND VENT PIPING:
RAINWATER, SOIL, WASTE AND VENT PIPING BELOW SLAB OR GRADE TO 5'-0" OUTSIDE OF BLDG. LINE SHALL BE SCHEDULE 40 PVC AND FITTINGS. THE GREASE SEWER PIPE SHALL BE HEAVY DUTY SCHEDULE 40 PVC AND PAINTED WITH A RED STRIPE AND SEWER VENT LINE SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS. ALL SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND AS APPROVED BY THE LOCAL AUTHORITIES.
- C. DOMESTIC WATER PIPING:
1. BURIED PIPING SHALL BE TYPE "L" HARD COPPER TUBING, WROUGHT COPPER FITTINGS, LEAD FREE SOLDER JOINTS WITH 95 TIN ANTIMONY. ABOVE GROUND PIPING SHALL BE TYPE "K" COPPER, SILVER SOLDER OR BRAZED JOINTS. 300 PSI TEST.
- D. CONDENSATE AND MISCELLANEOUS DRAINS: COPPER TUBING TYPE "M" WITH DWV COPPER SOLDER JOINT DRAINAGE FITTINGS, LEAD FREE EQUIVALENT TO 50-50 SOLDER.
- E. NATURAL GAS (ABOVE GRADE): SCHEDULE 40 BLACK STEEL WITH 150-LB MALLEABLE IRON BLACK SREWED FITTINGS. WHERE EXPOSED TO WEATHER MATERIALS SHALL BE GALVANIZED.
- F. ACID WASTE: WASTE FROM SODA DISPENSING STATIONS, AND SIMILAR ACID WASTE PIPING: SCHEDULE 80 PVC WITH (SOLVENT JOINTS) (ELECTRICALLY FUSED JOINTS SIMILAR TO ORION OR GSR "EUSEAL").

2.02 VALVES

- A. MANUFACTURERS SHALL BE NIBCO, RED, WHITE OR EQUAL. EXCEPT WHERE INDICATED OTHERWISE, ALL VALVES SHALL BE A PRODUCT OF ONE MANUFACTURER.
1. GATE (SIZE 2-1/2 INCH AND SMALLER): BRONZE, CLASS 125, SCREWED BONNET, NON-RISING STEM, WEDGE DISC, 125 SWP, 200 WOG, SREWED ENDS.
 2. GLOBE: BRONZE, CLASS 150, UNION BONNET, DISC FOR 250 DEGREE F HOT WATER SERVICE, 150 SWP, 200 WOG, SCREWED ENDS.
 3. CHECK (SIZES 2-1/2 INCH AND SMALLER): BRONZE CLASS 125, SCREWED CAP, SWING, Y-PATTERNS, SCREWED CAP, BRONZE DISC, 125 SWP, 200 WOG, SCREWED ENDS.
 4. GAS COCKS: DEZURNIK OR EQUAL, BRONZE OR SEMI-STEEL BODY, LEVEL HANDLE, LUBRICATED 125 WOG, UL LISTED SCREWED ENDS. SIZES 3-INCH AND LARGER SHALL HAVE FLANGED ENDS.
 5. PRESSURE AND TEMPERATURE RELIEF VALVES: ASME, AGA OR UL CODE, LEVER HANDLE, WATTS OR EQUAL.
 6. PRESSURE REDUCING VALVES: C.M. BAILLEY WATTS, BRONZE BODY WITH STRAINER, SCREWED ENDS SIZES 2-1/2 INCH AND SMALLER.
 7. BACKFLOW PREVENTER: REDUCE PRESSURE TYPE, WATTS, FEBCO OR EQUAL.

2.03 PIPING SPECIALTIES

- A. DIELECTRIC UNIONS: EPD0, CALIPCO OR EQUAL, AT ALL CONNECTIONS BETWEEN FERROUS AND NON-FERROUS PIPE MATERIALS.
- B. UNIONS: GRINNELL OR EQUAL, BRONZE TO IRON SEAT, BLACK OR GALVANIZED TO MATCH PIPING. ANACONDA OR EQUAL FOR COPPER PIPING.
- C. HOSE BIBBS: WOODFORD, CHICAGO OR EQUAL, WITH VACUUM BREAKER, POLISHED CHROME PLATE FINISH. OTHER TYPES AS REQUIRED AND APPROVED.
- D. SHOCK ABSORBERS: ZURN, J.R. SMITH OR EQUAL, SHOKTROL Z1700. SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ACCESS DOORS AT EACH SHOCK ABSORBER.
- E. ESCUTCHEONS: CHROME PLATED CAST BRASS OR STAMPED STAINLESS STEEL PLATES, SPLIT TYPE, WITH CHROME PLATED SET SCREW. PROVIDE AT ALL EXPOSED LOCATIONS WHERE PIPE PENETRATES FLOOR, WALL OR CEILING.
- F. FLOOR CLEANOUTS: ZURN, J.R. SMITH OR EQUAL, SERIES Z1400-HD. OTHER TYPES FOR CARPET, LINOLEUM AND TILE FLOOR SHALL BE AS APPROVED. PROVIDE CAST IRON COVER WITH NICKEL BRONZE FRAME AND TOP FOR HEAVY TRAFFIC AREAS. SET DRAINS AND CLEAN-OUT FLUSH WITH FINISH FLOOR.
- G. WALL CLEANOUTS: ZURN, J.R. SMITH OR EQUAL, SERIES 1460-8.
- H. TRAP PRIMERS: ZURN, J.R. SMITH, JOSAM, OR EQUAL, SUITABLE FOR DEAD END SERVICE, ALL BRONZE WITH VACUUM BREAKER WITH GASKETED BRONZE COVER, UNION CONNECTION. AT EACH TRAP PRIMER PROVIDE GATE VALVE AND ACCESS DOOR.
- I. PIPE ISOLATORS: STONEMAN "TRISOLATOR" OR EQUAL. PROVIDE ON ALL BARE BRANCH PIPE RUNS AT POINT OF ATTACHMENT.
- J. PLUMBING VENT FLASHING: FURNISH 2 PIECE, 4 LBS LEAD FLASHING WITH A 4" FLANGE, MANUFACTURED PER SMACNA MANUAL, PLATE 66, FIG.B. LEAD SHALL EXTEND A MINIMUM OF 8" ABOVE ROOF DECK. LEAD CAP SHALL TURN DOWN OVER LEAD FLASHING.
- K. WALL SLEEVES: R-K INDUSTRIES NO. 100 (WALL) AND NO. 10 (DECK), OR EQUAL.
- L. PROVIDE ONE PIECE, 4 LEAD SHEET FOR DRAIN SUMPS. LEAD SHALL BE SIZED TO EXTEND UNINTERRUPTED UP CANTS OR TAPERED EDGE STRIPS, AND TO TERMINATE JUST BELOW DECK LINE. LEAD SHALL MEET FED. SPEC. QQ-1-201, GRADE B.
- M. PROVIDE 4 LBS LEAD FLASHING WITH MINIMUM 4" FLANGE AT PIPES AND CONDUITS. PROVIDE STAINLESS STEEL DRAW BAND AT TOP OF LEAD. SEAL WITH URETHANE SEALER.
- N. DRAINS SHALL BE COATED CAST IRON WITH CAST IRON CLAMPING RING AND STRAINER.
- O. ROOF DRAINS AND OVER FLOW DRAINS: ROOF AND OVERFLOW DOMES SHALL BE COATED CAST IRON OR BRONZE.

2.04 PLUMBING FIXTURES

- A. PROVIDE TRIMS FOR FIXTURES AND APPLIANCES FURNISHED UNDER OTHER SECTIONS AND THIS SECTION OF THE WORK.
- B. TRIM:
1. ALL EXPOSED TRIM, INCLUDING TUBING, TRAPS AND WASTE PIECES, SHALL BE POLISHED CHROME.
 2. PROVIDE SEPARATE CONTROL STOPS FOR EACH FIXTURE, POLISHED CHROME PLATED.
 3. "P" TRAPS SHALL BE ADJUSTABLE 1-1/4 INCH INLET, 1-1/2" OUTLET FOR LAVATORIES AND 1-1/2 INCH BY 1-1/2 INCH FOR SINKS AS NOTED.

2.05 EQUIPMENT

- A. "RINNAI" GAS FIRED, TANKLESS HOT WATER HEATER, INDOOR UNIT WITH WALL MOUNT BRACKET, PRESSURE RELIEF VALVE AND ADAPTER, ISOLATION VALVE KIT, EXTERNAL PUMP CABLE, CONTROLLER CABLE, VENT SCREENS, 8 YEAR HEATER EXCHANGE WARRANTY, 5 YEAR PARTS AND COMPONENTS WARRANTY, AND 1 YEAR LABOR WARRANTY.
- (1 YEAR PARTS AND LABOR THROUGH GENERAL CONTRACTOR)
1. THE WATER HEATERS SHALL BE INSTALLED WITH THE COMMERCIAL CONTROLLER AND ALL CABLING AND PARTS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.

3.00 EXECUTION

3.01 SOIL, WASTE, RAIN WATER LEADERS AND VENT PIPING

- A. PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND BE SUPPORTED AT INTERVALS AS SPECIFIED. MINIMUM SLOPES SHALL BE NOT LESS THAN 1/4" FALL PER FOOT, EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWINGS. NO STRUCTURAL MEMBER SHALL BE WEAKENED OR IMPAIRED BEYOND A SAFE LIMIT BY CUTTING, NOTCHING, UNLESS PROVISION IS MADE FOR CARRYING STRUCTURAL LOAD.
- B. CLEAN OUT SHALL BE INSTALLED WHERE INDICATED AND WHERE REQUIRED PER CODE, OF SAME SIZE AS PIPE. PROVIDE CLEANOUTS AT ENDS OF EACH RUN/IN CHANGE OF DIRECTION FOR RUNS LONGER THAN 5- FEET MEASURED ALONG PIPE UNLESS OTHERWISE NOTED.

3.02 WATER PIPING

- A. NO VALVE SHALL BE INSTALLED WITH STEM BELOW HORIZONTAL. VALVE SHALL BE LINE SIZE, UNLESS OTHERWISE INDICATED.
- B. REDUCING FITTINGS SHALL BE USED IN MAKE REDUCTION IN SIZE OF PIPE. BUSHINGS WILL NOT BE ALLOWED.

3.03 PIPE JOINTS AND CONNECTIONS

- A. JOINTS IN NO-HUB CAST IRON PIPE SHALL BE MADE WITH "CLAMP-ALL" OR "HUSKY" NEOPRENE GASKETS AND 24 GAUGE TYPE 304 STAINLESS STEEL BAND AND SCREW JOINTING ASSEMBLIES. JOIN BELL AND SPIGOT PIPE WITH OAKUM OR SEALITE CAULKING YARN AND CAULK WITH MOLTEN LEAD.

3.04 INSULATION

- A. APPLY INSULATION AFTER ALL TESTS HAVE BEEN SATISFACTORILY COMPLETED.
- B. INSULATE ALL DOMESTIC HOT WATER PIPING, TEMPERED WATER, HOT WATER RETURN AND ALL CONCEALED DOMESTIC COLD WATER PIPING AND RAIN WATER LEADERS WITH 1" THICK PRE-MOLDED GLASS FIBER INSULATION WITH FACTORY APPLIED FIRE RETARDANT VAPOR BARRIER JACKET AND SELF SEALING LAP. INSULATING VALVES SHALL BE BE PER CURRENT ENERGY CODE IN EFFECT.
- C. PIPING INSTALLED OUTDOOR EXPOSED TO WEATHER (HOT WATER, HOT WATER RETURN AND COLD WATER) SHALL BE COVERED WITH 16 MIL SMOOTH ALUMINUM JACKET, INCLUDING ELBOWS, FITTINGS, VALVES AND CIRCULATING PUMP.

3.05 HANDICAP PLUMBING FIXTURES INSTALLATION

- A. PLUMBING FIXTURES INSTALLATION HEIGHT AND TYPE SHALL COMPLY WITH STATE PLUMBING CODE AND ADA REGULATIONS. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
1. WATER CLOSETS: THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF THE TOILET SEAT. CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS, NO MORE THAN 44 INCHES ABOVE THE FLOOR.
 2. URINALS:
a. URINALS RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
 - b. FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR.
3. LAVATORIES:
a. LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30 INCHES IN WIDTH WITH 8 INCHES MINIMUM DEPTH AT THE TOP. TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MINIMUM OF 9 INCHES HIGH FROM THE FLOOR AND A MINIMUM OF 17 INCHES DEEP FROM THE FRONT OF THE LAVATORIES. THERE SHALL BE 48"x30" PLAN DIMENSIONS CLEAR IN FRONT OF LAVATORY DRAIN.
 - b. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED WITH HANDI LAV GUARD INSULATION KIT MANUFACTURED BY TRUBRO INC. OR EQUAL. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
 - c. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

3.06 CLEANING AND PRESERVATION

- A. PLUMBING PIPING, FIXTURES, AND EQUIPMENT SHALL BE THOROUGHLY CLEANED OF SCALE, RUST, LABELS, PRIOR TO ENCLOSING AND PLACING IN OPERATION.
- B. LEAVE ALL EXPOSED METAL AND INSULATION SURFACES CLEAN AND READY TO RECEIVE PAINT.

3.07 TESTS

- A. GENERAL:
1. ACCOMPLISH TESTING OF PIPING IN SECTIONS SO AS NOT TO LEAVE ANY PIPE OR JOINT UNTESTED.
- B. PERFORM TESTS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
SYSTEM TESTED GAGE PRESSURE TEST WITH AT START AFTER 4 HOURS
DOMESTIC WATER 150 LBS. 145 LBS WATER (HOT AND COLD).
SOIL, WASTE, VENT AND RAIN WATER LEADERS* 150 LBS. 145 LBS WATER
- * FILL WATER TO TOP OF HIGHEST VENT, ALLOW TO STAND TWO HOURS OR AND RAIN WATER LEADERS LONGER AS DIRECTED BY THE ARCHITECT, TO PROVE TIGHT. TESTING MAY BE DONE IN SECTIONS. EACH SECTION TESTED SHALL INCLUDE AT LEAST 10 FEET OF THE UPPER PORTION OF THE NEXT PRECEDING SECTION.
GAS PIPING 20 LBS. 20 LBS. OIL FREE COMP. AIR

3.08 STERILIZATION/CHLORINATION OF DOMESTIC WATER SYSTEM

- A. UPON COMPLETION OF THE WORK, THE ENTIRE NEW DOMESTIC HOT AND COLD WATER PIPING SYSTEMS DOWNSTREAM OF NEW SHUT-OFF VALVES SHALL BE FLUSHED AND STERILIZED BEFORE USE PER CODE.

3.09 COMPLETION

- A. AT COMPLETION OF WORK AND JUST BEFORE OCCUPANCY, PLUMBING FIXTURES, FAUCETS, AND EXPOSED CONNECTIONS, AND INTERIOR OF TRAPS, SHALL BE CLEANED.
- B. REPAIR OR REPLACE ANY DAMAGED FIXTURES, REGULATE FIXTURE SUPPLIES TO GIVE PROPER SUPPLY OF WATER, AND LEAVE IN FIRST CLASS CONDITION.
- C. WHEN WORK IS COMPLETED, REMOVE SURPLUS EQUIPMENT, MATERIALS, AND RUBBISH RESULTING FROM THIS WORK, AND LEAVE BUILDING IN SATISFACTORY CONDITION ACCEPTABLE TO THE ARCHITECT.

3.10 GUARANTEE

- A. GUARANTEE MATERIALS, APPARATUS, EQUIPMENT, AND WORKMANSHIP FURNISHED TO BE FREE FROM DEFECTS, AND REPLACE WITHOUT COMPENSATION WITHIN TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

END OF SECTION

SECTION 221113 – FACILITY WATER DISTRIBUTION PIPING

1.00 GENERAL DIVISION 1 REQUIREMENTS APPLY TO THIS SECTION.

1.01 SUMMARY

- A. SECTION INCLUDES: PROVIDE ALL WATER SERVICE, INCLUDING:
1. YARD PIPING.
 2. WATER METER (UNLESS PROVIDED BY WATER SUPPLIER).

1.02 REFERENCES

- A. AWWA: AMERICAN WATER WORKS ASSOCIATION.
- B. INTERNATIONAL PLUMBING CODE.

1.03 PROJECT RECORD DOCUMENTS

- A. SUBMIT DOCUMENTS UNDER PROVISIONS OF SECTION 01720.
- B. RECORD LOCATION OF PIPE RUNS AND CONNECTIONS.
- C. IDENTIFY AND DESCRIBE UNEXPECTED VARIATIONS TO SUBSOIL CONDITIONS OR DISCOVERY OF UNCHARTED UTILITIES.

1.04 REGULATORY REQUIREMENTS

- A. CONFORM TO APPLICABLE STATE AND LOCAL CODE FOR MATERIALS AND INSTALLATION OF THE WORK OF THIS SECTION.

1.05 FIELD MEASUREMENTS

- A. MAKE ALL NECESSARY MEASUREMENT IN THE FIELD TO ENSURE PRECISE FIT OF ITEMS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.

1.06 COORDINATION

- A. COORDINATE WORK UNDER PROVISIONS OF SECTION 01039.
- B. COORDINATE THE WORK WITH TERMINATION OF WATER CONNECTION OUTSIDE BUILDING, CONNECTION TO WATER METER AND STREET SERVICE, AND TRENCHING.

2.00 PRODUCTS

2.01 PIPE MATERIALS

- A. GENERAL: PROVIDE ELLS, TEES, REDUCING TEES, WYES, COUPLINGS, AND OTHER REQUIRED PIPING ACCESSORIES OF SAME TYPE AND CLASS OF MATERIAL AS CONDUIT, OR OF MATERIAL HAVING EQUAL OR SUPERIOR PHYSICAL AND CHEMICAL PROPERTIES AS ACCEPTABLE TO OWNER'S REPRESENTATIVE.

- B. CAST IRON PRESSURE PIPE: AWWA C106, WITH FITTINGS COMPLYING WITH AWWA C110 AND; RUBBER GASKETS COMPLYING WITH AWWA C111; CAST IRON FITTINGS, ASTM A126.
- C. DUCTILE IRON PIPE: AWWA C106, WITH FITTINGS COMPLYING WITH AWWA C110 AND; RUBBER GASKETS COMPLYING WITH AWWA C111; CAST IRON FITTINGS, ASTM A126.
- D. COPPER TUBE: ASTM B88, SOFT ANNEALED TEMPER; CAST COPPER ALLOY FLARED JOINT FITTINGS, ANSI B16.26.

2.02 CONTROL VALVES

- A. GENERAL: PROVIDE VALVES AND FLOW CONTROL DEVICES AS INDICATED AND REQUIRED BY LOCAL PLUMBING CODES, WHICHEVER IS MORE STRINGENT.

2.03 WATER METERS

- A. GENERAL: THE WATER METERS AND STREET SERVICE LINES WILL BE INSTALLED BY THE LOCAL UTILITY COMPANY, UNLESS UTILITY CONTRACTORS ARE APPROVED TO DO THE WORK. PROVIDE ROUGHING IN AND BYPASS FOR METER IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

2.04 ACCESSORIES

- A. GENERAL: PROVIDE ANCHORAGES FOR TEES, PLUGS, CAPS, AND BENDS. AFTER INSTALLATION, APPLY A FULL COAT OF ASPHALT OR OTHER ACCEPTABLE CORROSION RETARDING MATERIAL TO SURFACES OF RODS AND CLAMPS.
1. THRUST BLOCKS: 2500 PSI CONNECT.
 2. VALVE BOXES: AS REQUIRED BY CODE.

3.00 EXECUTION

3.01 EXAMINATION

- A. PRIOR TO INSTALLATION, CAREFULLY INSPECT THE INSTALLED WORK OF OTHER TRADES AND VERIFY THAT SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE.
- B. VERIFY THAT SYSTEM WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS AND ALL PERTINENT CODES AND REGULATIONS, REFERENCED STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
- C. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE PROJECT MANAGER. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL SUCH DISCREPANCIES ARE FULLY RESOLVED.

3.02 PREPARATION

- A. HAND TRIM EXCAVATIONS TO REQUIRED ELEVATIONS. CORRECT OVER EXCAVATIONS WITH FINE COURSE AGGREGATE / LEAN CONCRETE.
- B. REMOVE LARGE STONES OR OTHER HARD MATTER WHICH COULD DAMAGE PIPE OR IMPEDE CONSISTENT BACKFILLING OR COMPACTION.

3.03 INSTALLATION



- A. ALL PIPE AND EQUIPMENT SHALL BE HANDLED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND PERTINENT CODES AND REGULATIONS.
- B. WATER SERVICE PIPING: EXTEND WATER SERVICE PIPING OF SIZE AND IN LOCATION INDICATED TO WATER SERVICE ENTRANCE AT BUILDING. PROVIDE SLEEVE IN FOUNDATION WALL FOR WATER SERVICE ENTRY, MAKE ENTRY WATERTIGHT. PROVIDE BALL VALVE AT WATER SERVICE ENTRY INSIDE BUILDING; STRAINER, PRESSURE GAUGE, TEST TEE WITH VALVE.

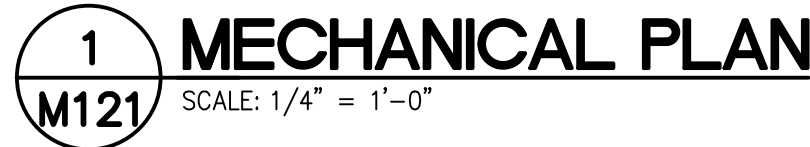
3.04 FIELD QUALITY CONTROL

- A. FIELD INSPECTION AND TESTING WILL BE PERFORMED UNDER PROVISIONS OF SECTION 01400.
- B. PRIOR TO BACKFILLING, PIPELINES SHALL BE FLUSHED, CLEARED OF DEBRIS, AND TESTED FREE FROM DEFECTS.
- C. WATER LINE TESTING:
1. BLEED AIR FROM THE LINES.
 2. FILL LINES WITH WATER AT LEAST 24 HOURS PRIOR TO TESTING.
 3. AFTER VALVES HAVE BEEN INSTALLED, TEST LINES FOR LEAKS AT 150 PSI PRESSURE WITH ALL COUPLINGS AND FITTINGS EXPOSED AND WITH ALL PIPE SECTIONS CENTER LOADED.
 4. TESTS SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
 5. AFTER LEAKS AND DEFECTS AND DAMAGE HAVE BEEN CORRECTED AND REPAIRED, RETEST LINE UNTIL APPROVED BY OWNER'S PROJECT MANAGER.
- D. IF TESTS INDICATE WORK DOES NOT MEET SPECIFIC REQUIREMENTS, REMOVE WORK, REPLACE AND RETEST AT NO COST TO OWNER.

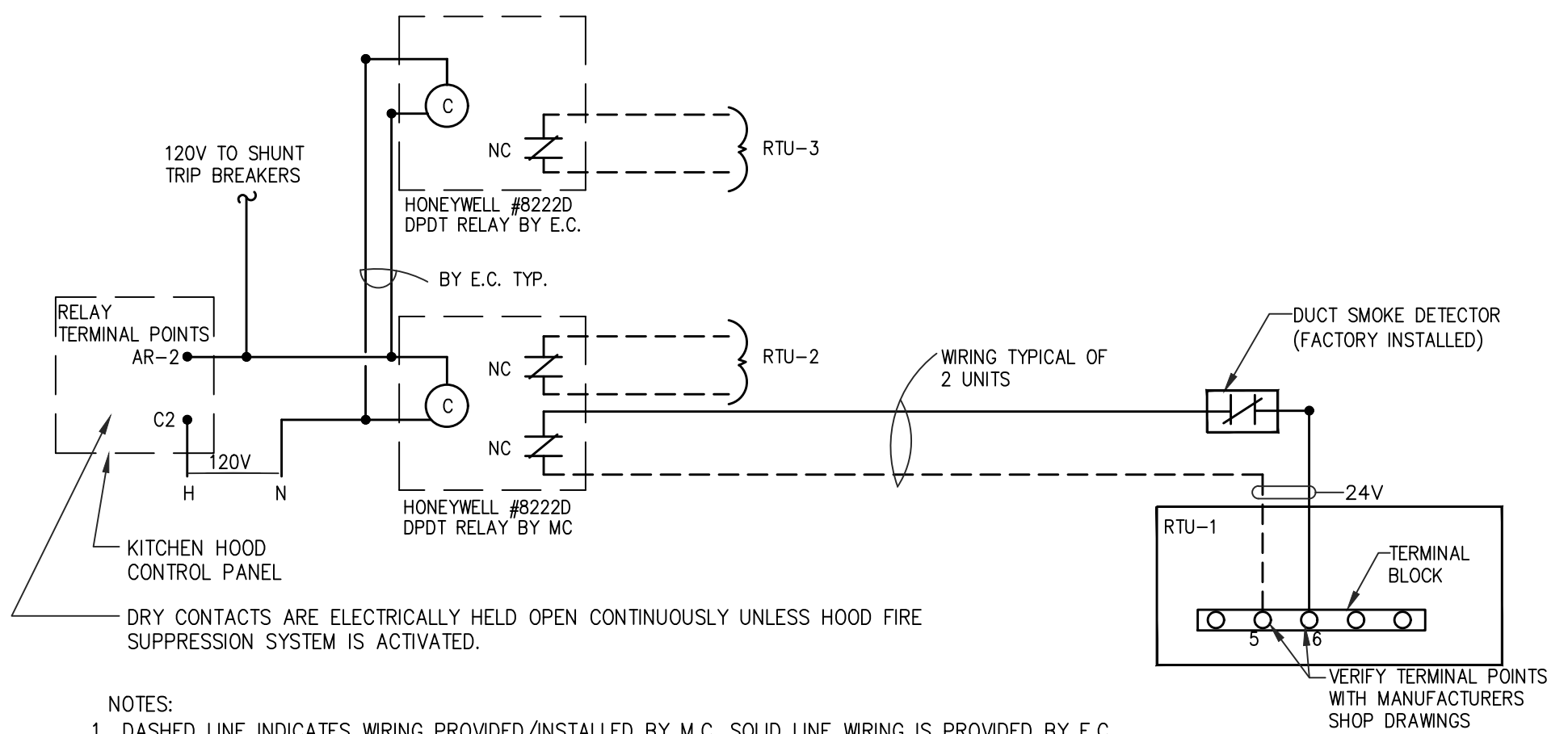
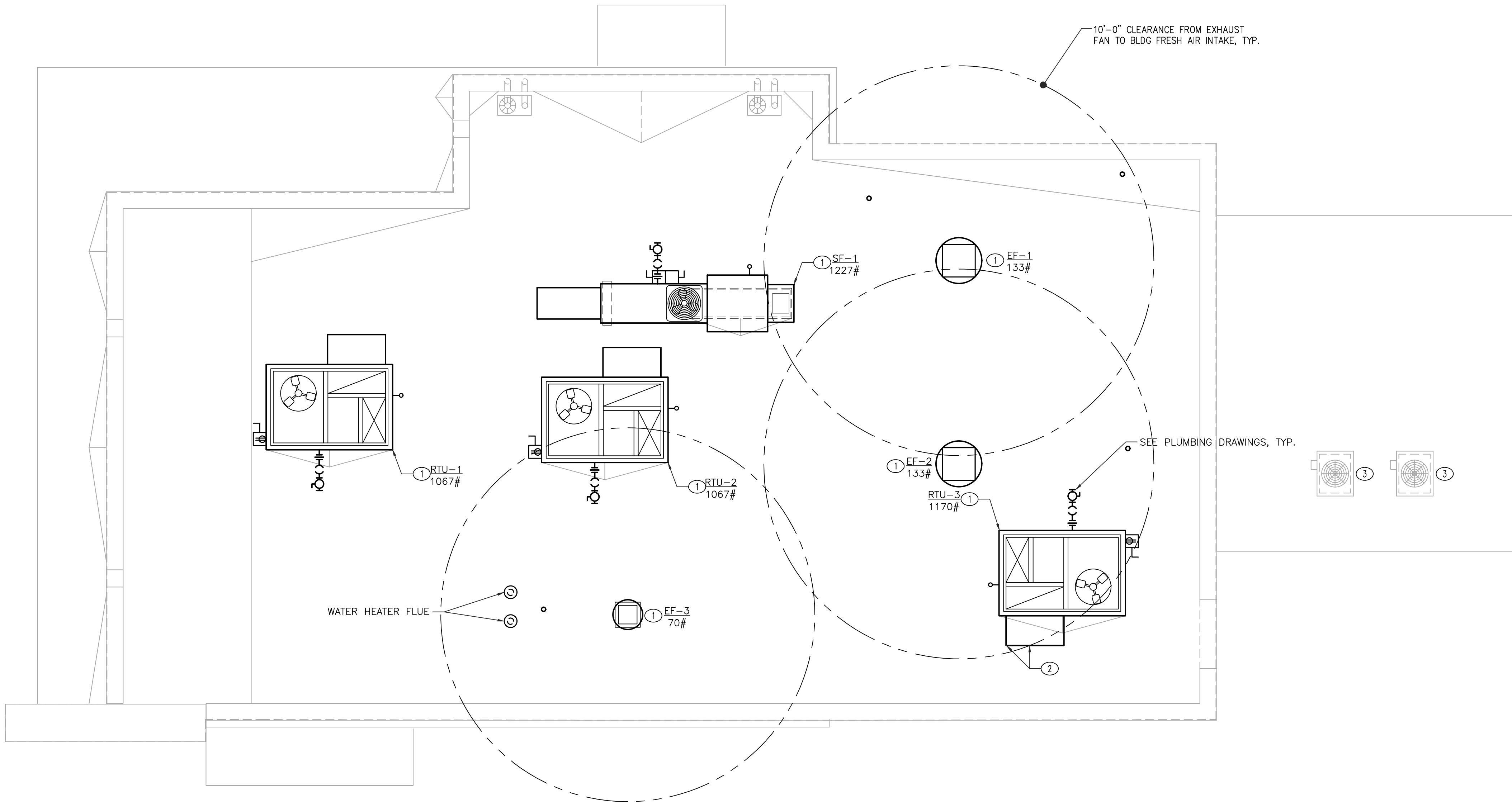
3.05 PROTECTION

- A. PROTECT FINISHED INSTALLATION UNDER PROVISIONS OF SECTION 01500.
- B. PROTECT PIPE AND AGGREGATE COVER FROM DAMAGE OR DISPLACEMENT UNTIL BACKFILLING OPERATION IS IN PROGRESS.

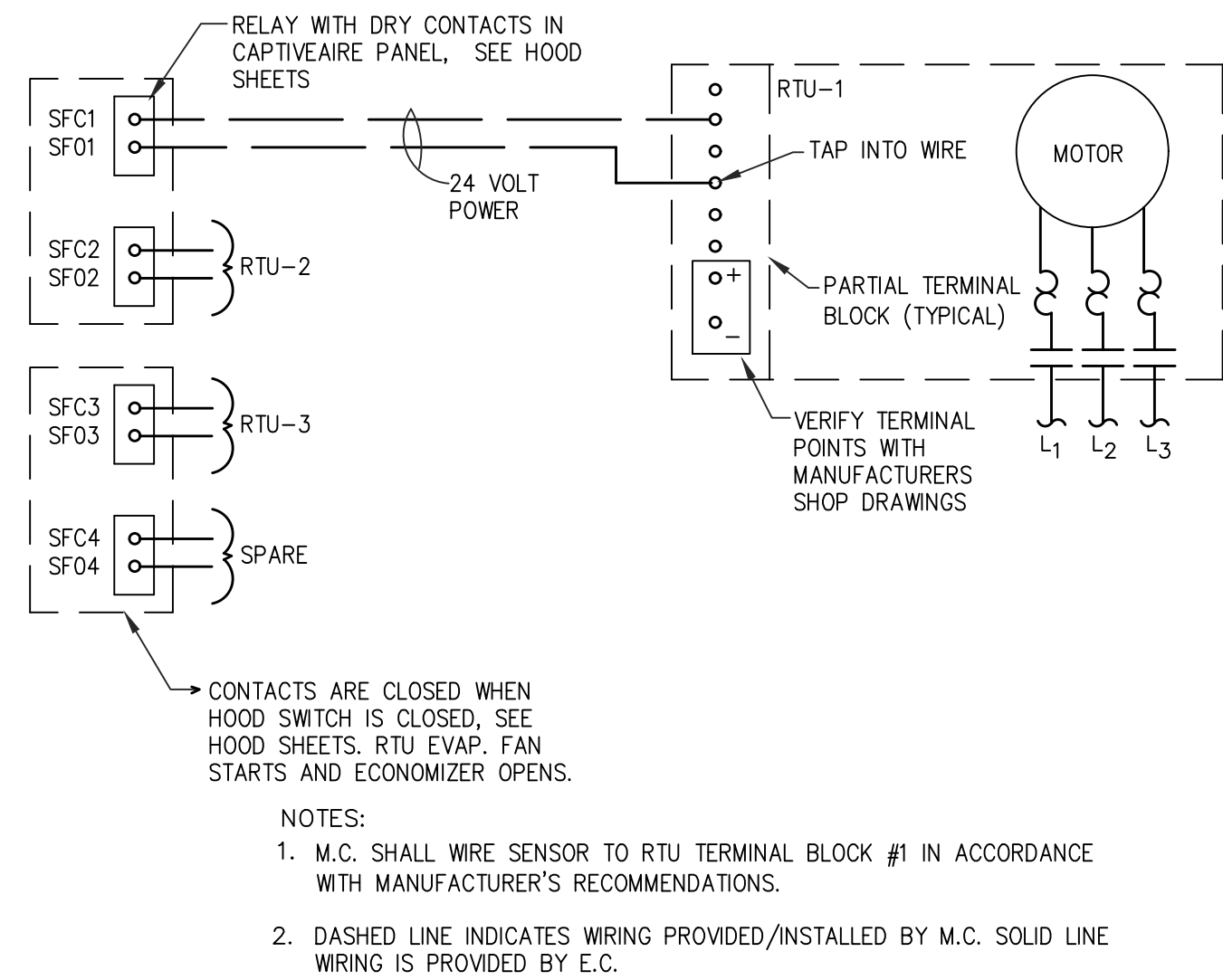
LMHT Project No. 23047.00	
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PROJECT: HIGHWAY 55 32 PROTOTYPE	DRAWING: PLUMBING SPECIFICATIONS
3236 HWY 190 HAMMOND, LA 70401	
PROJECT DATE 06/29/2023	
Drawn By JCL	
Checked By SDS	
Sheet No. P411	



Drawing File: Z:\2023\23047-HWY55-Hammond LA\CAD\M161.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:56pm



- NOTES:
- DASHED LINE INDICATES WIRING PROVIDED/INSTALLED BY M.C. SOLID LINE WIRING IS PROVIDED BY E.C.
 - RTU UNITS SHALL SHUT DOWN UPON FIRE DETECTION BY HOOD ANSUL SYSTEM, SEE "HVAC SEQUENCE OF OPERATION" ON SHEET M601. COORDINATE WIRING WITH MANUFACTURERS SHOP DRAWINGS. SEE HOOD SHEETS M502-M508.
 - THE MECHANICAL CONTRACTOR SHALL INSTALL ADDITIONAL WIRING BETWEEN TERMINAL POINT AND FACTORY MOUNTED SMOKE DETECTOR AS SHOWN. FACTORY MOUNTED SMOKE DETECTOR SHALL REMAIN.

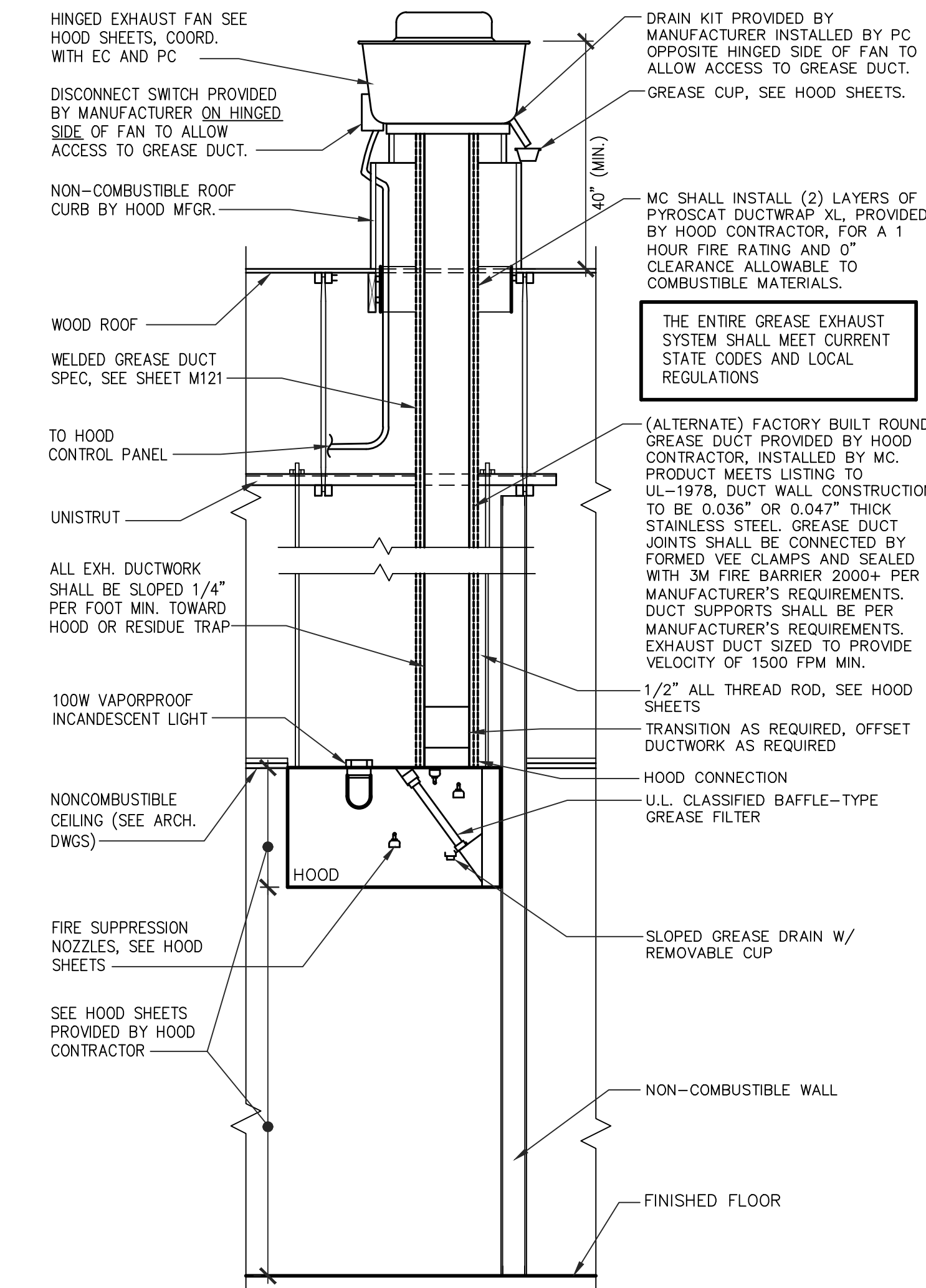


- NOTES:
- M.C. SHALL WIRE SENSOR TO RTU TERMINAL BLOCK #1 IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - DASHED LINE INDICATES WIRING PROVIDED/INSTALLED BY M.C. SOLID LINE WIRING IS PROVIDED BY E.C.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE CONTRACTOR SHALL BID AND INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE TO EXAMINE SITE CONDITIONS. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS.

UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.



- NOTE:
- REQUIREMENTS SHOWN ARE FOR A TYPE "1" HOOD IN A SINGLE STORY BUILDING WITH NON-RATED ROOF ASSEMBLY.
 - HOOD SHALL BE LISTED BY NATIONAL AGENCY, SEE HOOD SHEETS.
 - FACTORY BUILT CLEAN-OUTS SHALL BE PROVIDED IN GREASE EXHAUST DUCT AT ALL CHANGES IN DIRECTION. THE CLEAN-OUT PANEL SHALL BE MADE OF THE SAME MATERIAL AND THICKNESS AS THE DUCT. THE C.O. PANEL SHALL HAVE A GASKET OR SEALANT THAT IS RATED FOR 1500F MIN. AND SHALL BE GREASE TIGHT.
 - GC SHALL PROVIDE FIRE RATED ACCESS PANEL AT THE DUCT ENCLOSURE TO ACCESS DUCT CLEANOUTS. A SIGN SHALL BE PLACED ON ALL FIRE SHIELDING ACCESS PANELS STATING-"ACCESS PANEL-DO NOT OBSTRUCT".
 - M.C. SHALL VERIFY WITH LOCAL CODE OFFICES ON ACCEPTABILITY OF PARTICULAR DUCT-WRAP MODEL AND MANUFACTURER. INSTALL ONLY LOCALLY APPROVED MATERIALS.
 - MAINTAIN 18" CLEAR FROM HOOD (INCLUDING TOP) TO COMBUSTIBLE MATERIALS UNLESS APPROVED SHIELDING IS APPLIED TO REDUCE CLEARANCE.

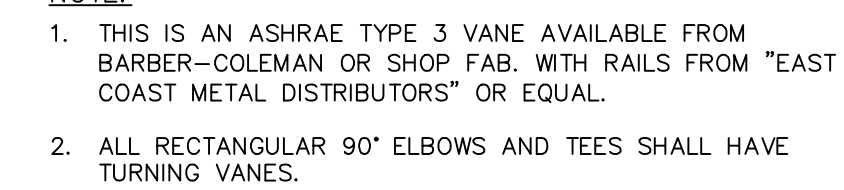
CONSTRUCTION NOTES

- MC SHALL LABEL RTU'S, EF'S AND SF'S WITH RTU/EF/SF # (3" HIGH BLACK LETTERS) AS APPLICABLE, I.E. "RTU #1". ADD "MERV 13 FILTERS ONLY" UNDER THE RTU # LABEL.
- EXTEND OA INTAKE IN FIELD FOR EF-2 CLEARANCE.
- COOLER/FREEZER CONDENSERS ARE SUPPLIED WITH COOLER/FREEZER PACKAGE. SEE ARCHITECTURAL SHEETS.

GENERAL NOTES

- SEE SHEET M601 FOR OTHER GENERAL NOTES.
- COORDINATE ALL ROOF TOP EQUIPMENT WITH ROOF FRAMING PLAN. SEE STRUCTURAL SHEETS.
- ALL MECHANICAL EXHAUST OUTLETS SHALL BE INSTALLED 10' (MIN.) FROM ANY BUILDING FRESH AIR INTAKE AS SHOWN.
- ALL PENETRATIONS THRU ROOF SHALL BE BY GEN. CONTR. AS PER ROOF MFR.'S STANDARD DETAILS.
- ALL ROOF TOP UNITS SHALL BE LEVEL AFTER INSTALLATION. MC SHALL VERIFY ALL RTU'S DRAIN PANS FOR PROPER DRAINAGE.
- ALL GAS PIPING AND ELECT. CONDUITS PENETRATING ROOF SHALL GO THROUGH ROOF CONDUIT CURB (SEE PLUMBING AND ELECTRICAL PLANS) INSTALLED BY GC & ROOFING CONTRACTOR; EC AND PC SHALL COORDINATE. INSTALL PER ROOFING MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
- M.C. SHALL FIELD VERIFY STRUCTURAL CONFIGURATION, ADJUST EXHAUST FAN CAP LOCATION AS REQUIRED TO AVOID ROOF STRUCTURE.
- GENERAL CONTRACTOR SHALL PROVIDE ROOF OPENINGS.
- MECHANICAL CONTRACTOR SHALL SET ROOF TOP UNIT CURBS.
- FOR ROOF STRUCTURE LAYOUT SEE STRUCTURAL DRAWINGS
- MC SHALL PLACE EQUIPMENT ON ROOF AS SHOWN ON PLAN.
- SEE ARCHITECTURAL ROOF PLAN FOR ROOFTOP UNIT DIMENSIONING AND INSTALLATION DETAILS.

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STATE OF LOUISIANA Nelson Ray Thornton, Jr. REG. NO. 29834 REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING 7/17/23	
PROJECT: HIGHWAY 55 32 PROTOTYPE	DRAWING: MECHANICAL ROOF PLAN
3236 HWY 190 HAMMOND, LA 70401	
Revisions	
THRU ADDENDUM "D"	11/21/2022
PROJECT DATE 06/29/2023	
Drawn By RJB	Checked By NRT
Sheet No. M161	



Drawing File: Z:\2023\23047-HWY55-Hammond LA\CAD\W502.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 -- 2:56pm

FOR QUESTIONS, CALL THE
Eastern North Carolina
REGION 36
PHONE: (919) 825-3566
EMAIL: reg36@captiveaire.com

PATENT NUMBERS
AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.
EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

HOOD INFORMATION - JOB#5719764

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END	ROW
1	HOOD 1	5424 ND-2-PSP-F	CAPTIVEAIRE	12' 0"	600 DEG	I	HEAVY	205	2460			4"	16"	2460	1762	-0.837"	2100	430 SS WHERE EXPOSED	ALONE	ALONE
2	HOOD 2	5424 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	184	1845			4"	16"	1845	1321	-0.495"	0	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE	MODEL #	QUANTITY	
1	HOOD 1	CAPTRATE SOLO FILTER	9	20"	16"	85% SEE FILTER SPEC	8	L55 SERIES E26	NO	RIGHT	12"x54"x24"	TANK FS	4.0/4.0		YES	994 LBS
2	HOOD 2	CAPTRATE SOLO FILTER	7	20"	16"	85% SEE FILTER SPEC	7	L55 SERIES E26	NO	LEFT	12"x54"x24"	TANK FS	4.0/4.0	SC-E012022MA	2 LIGHT 2 FAN	604 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	HOOD 1	FIELD WRAPPER 6.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
2	HOOD 2	INSULATION FOR BACK OF HOOD.
		FIELD WRAPPER 6.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 132.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		INSULATION FOR BACK OF HOOD.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1	HOOD 1	Front	156"	14"	6"	MUA	12"	28"		700	0.185"
						MUA	12"	28"		700	0.185"
						MUA	12"	28"		700	0.185"

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NSF
BUILT IN ACCORDANCE WITH NFPA #96
E.L. LISTED 3054804-001

NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001



FOR QUESTIONS
CONTACT: JOE WYLIE
NORTH CAROLINA REGIONAL OFFICE
PHONE: (919) 825-3566
EMAIL: REG36@CAPTIVEAIRE.COM FAX: (919) 227-5917

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

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

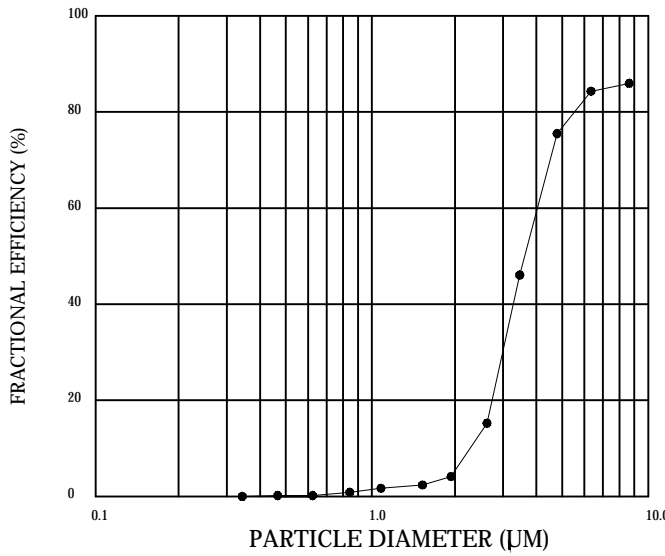
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

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

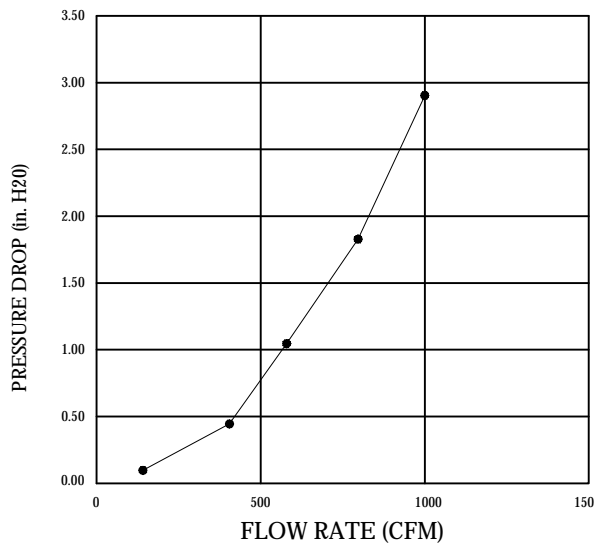
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES" OF WATER GAUGE.

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

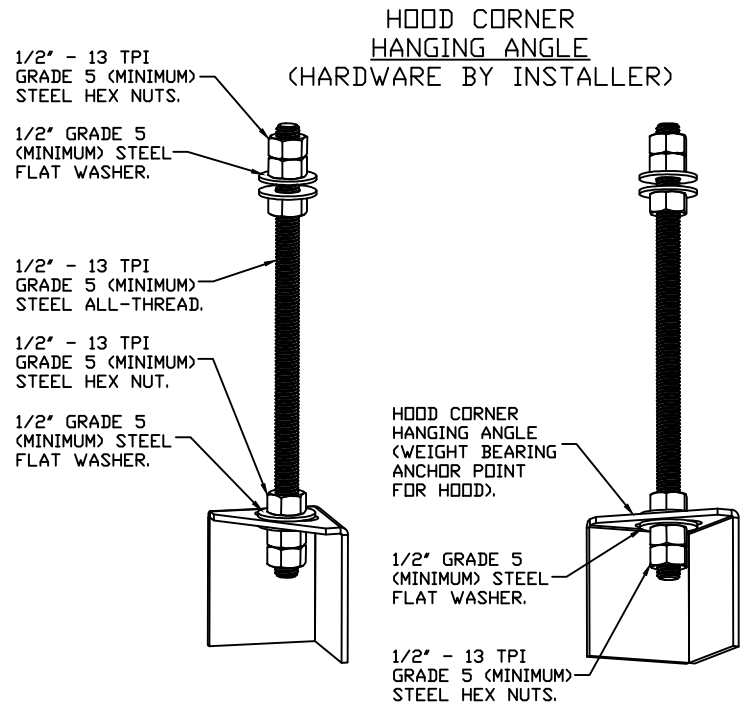
EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



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



ASSEMBLY INSTRUCTIONS

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

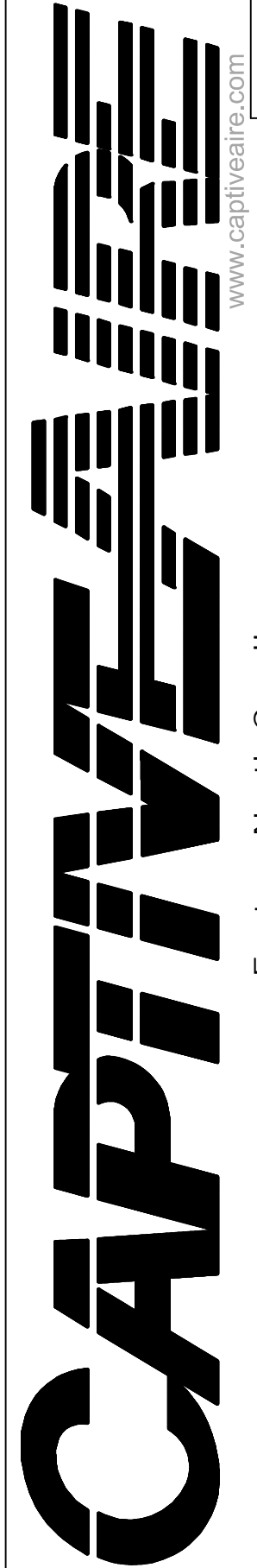
ACCUREX IS A BID ALTERNATE. CONTACT ANTHONY BEHRENDT AT (414) 899-6664. IF THE ALTERNATE IS SELECTED THE CONTRACTOR IS RESPONSIBLE TO FIELD COORDINATE CHANGES FROM THE CAPTIVE AIRE PACKAGE IN THE FIELD.

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

REVISIONS

DESCRIPTION	DATE:

Eastern North Carolina
4641 Paragon Park Rd., Raleigh, NC. 27616 PHONE: (919) 825-3566 FAX: (919) 227-5917 EMAIL: reg36@captiveaire.com



LHMT Project No. 23047.00

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SHOP DRAWING FOR
REFERENCE ONLY

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: HOOD DETAILS

Revisions

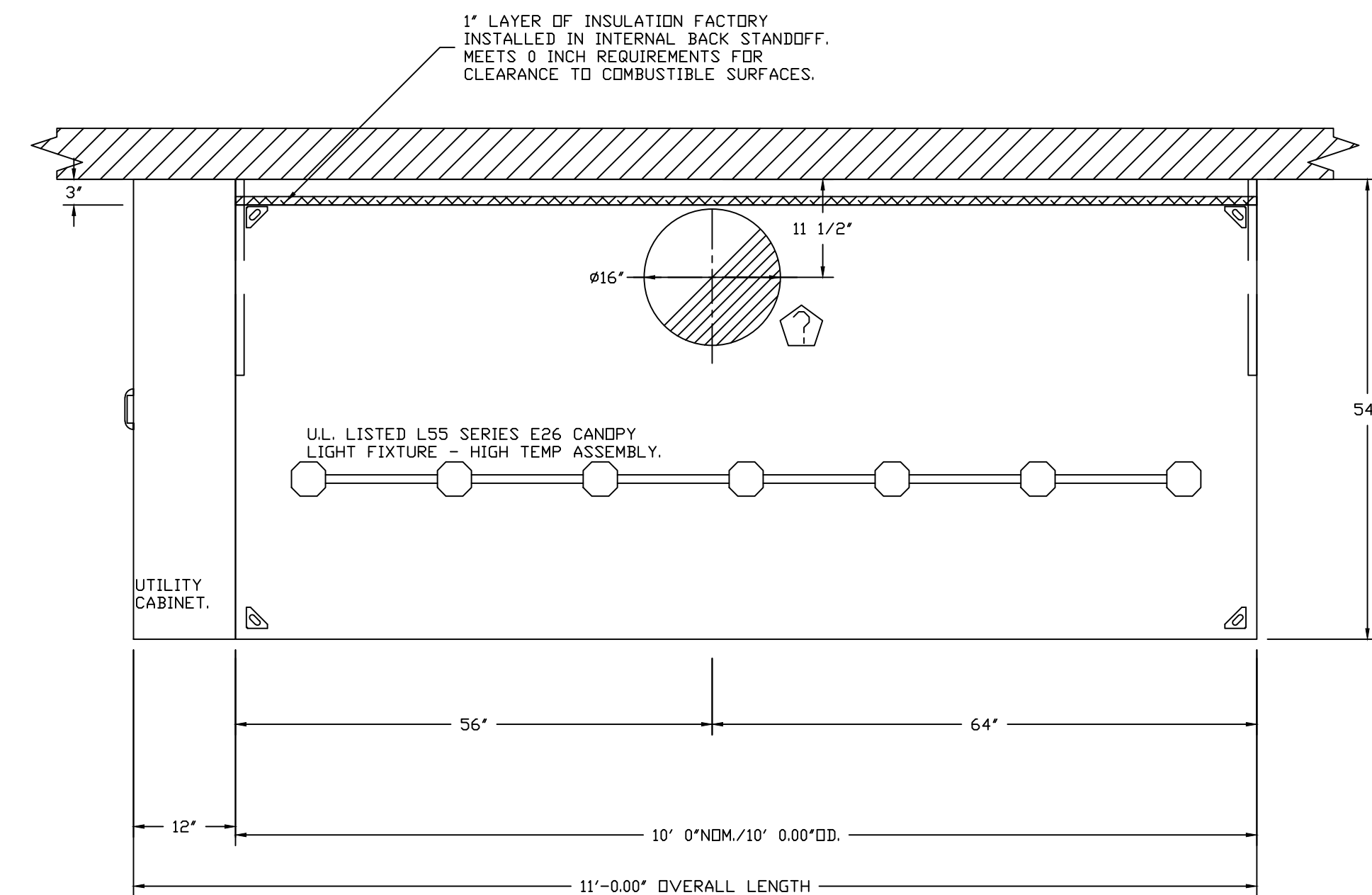
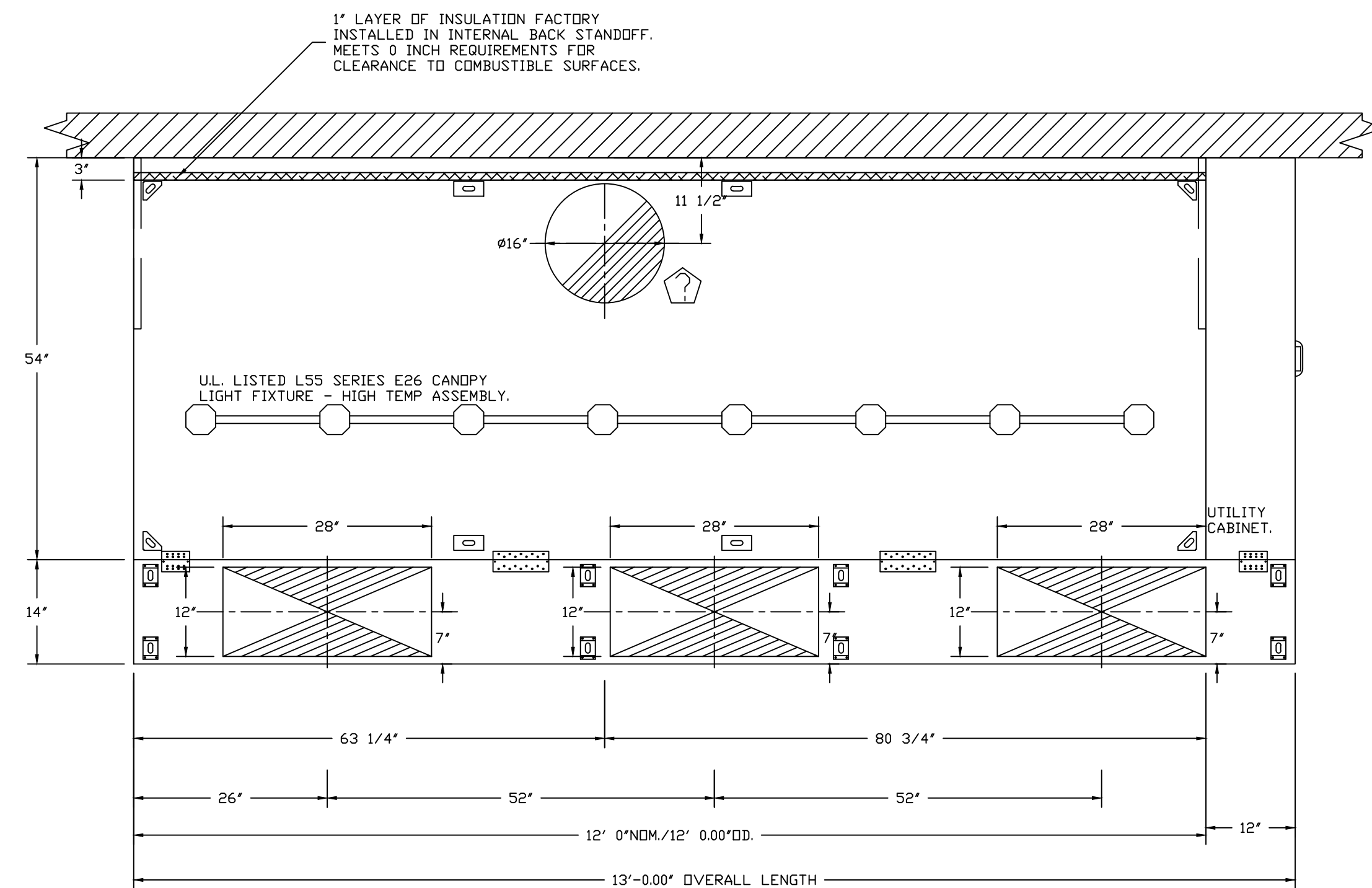
THRU ADDENDUM "D"	11/21/2022
PROJECT DATE	06/29/2023
Drawn By	
Checked By	

Sheet No.
M502

HWY 55-(PROTO 3.1B)
various locations,
Raleigh, NC, 27617

DATE: 11/7/2022
DWG.#: 5719764
DRAWN BY: reg36
SCALE: 3/4" = 1'-0"
MASTER DRAWING

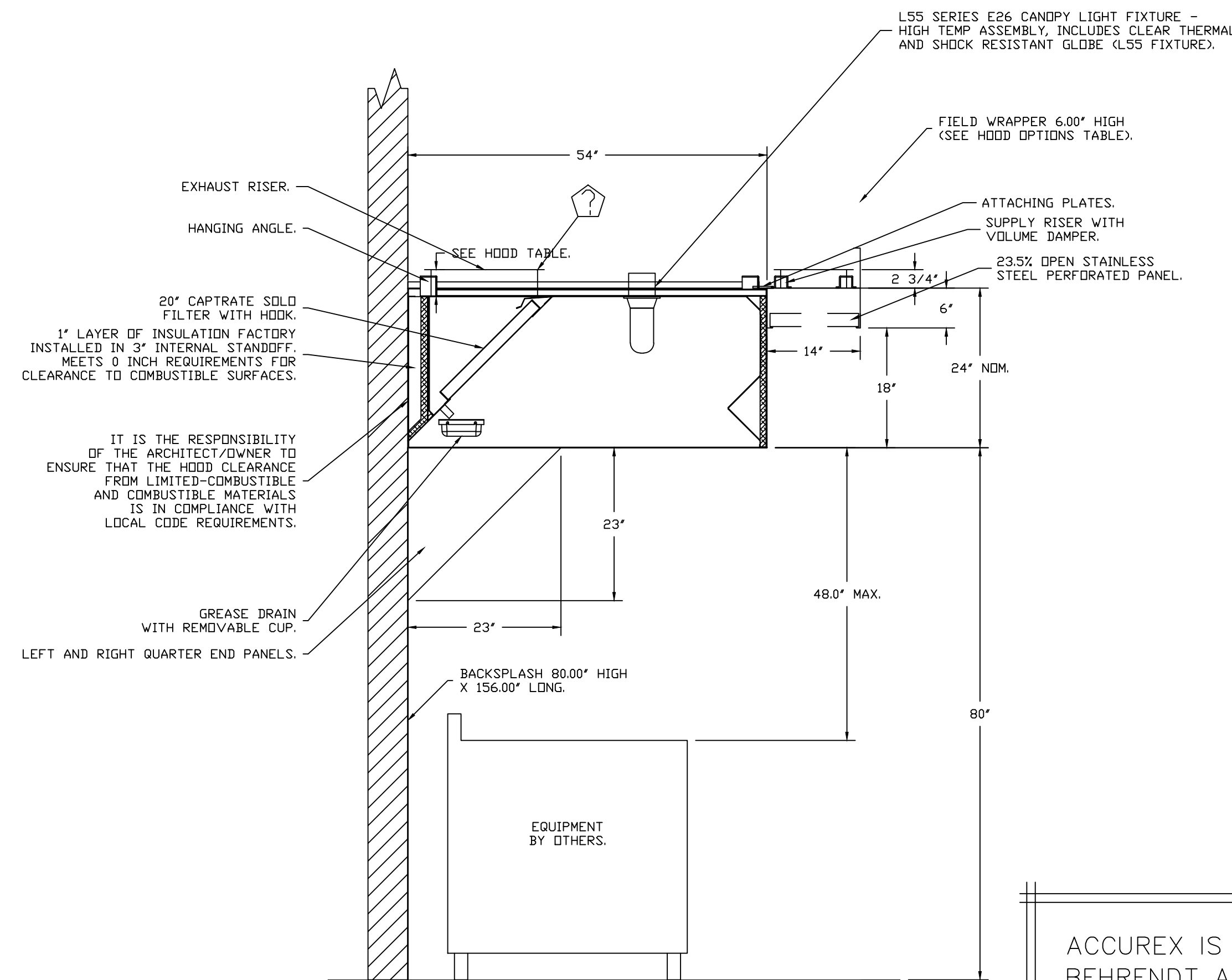
SHEET NO.
1



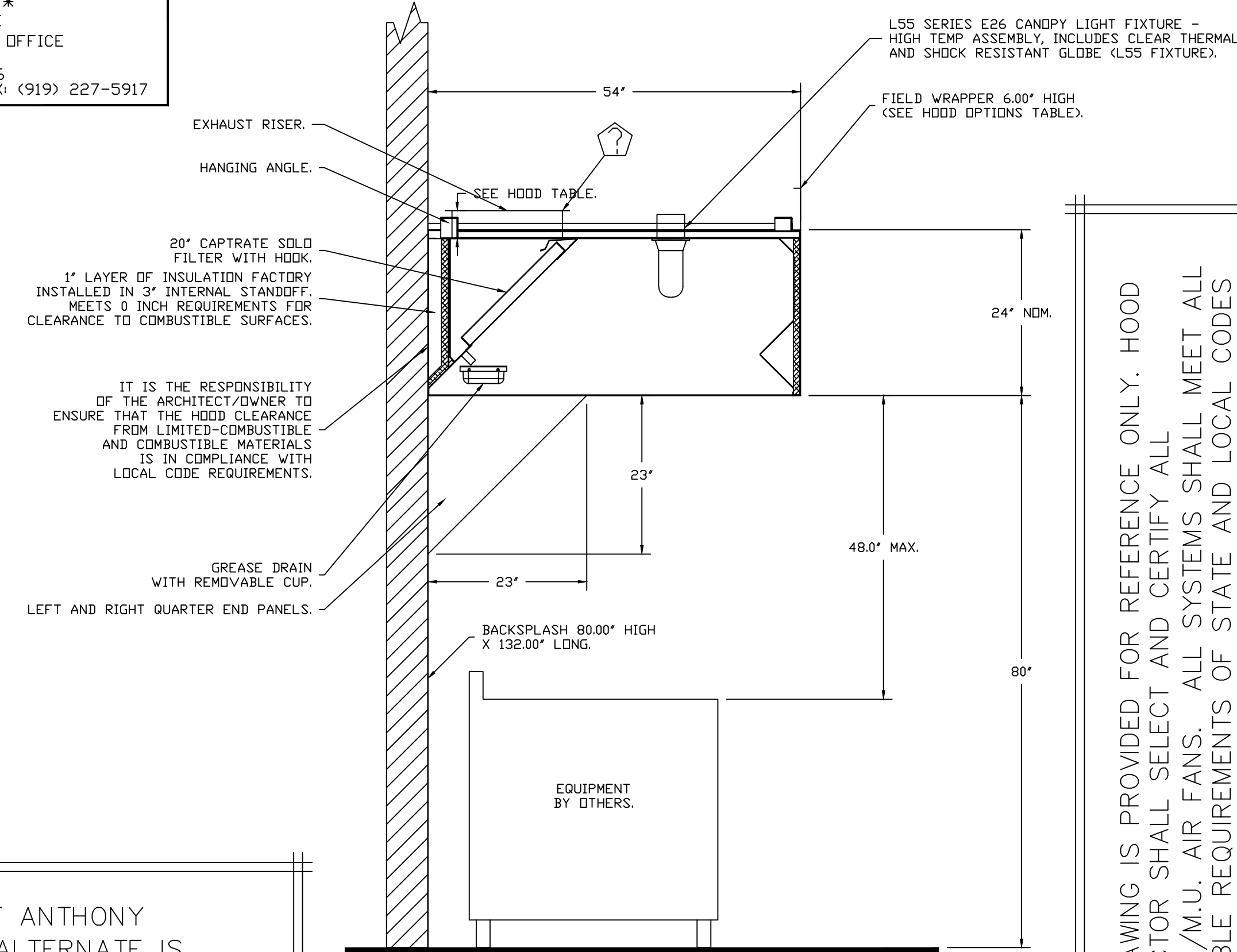
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:



FOR QUESTIONS
CONTACT: JOE WYLIE
NORTH CAROLINA REGIONAL OFFICE
PHONE: (919) 825-3566
EMAIL: REG36@CAPTIVEAIRE.COM FAX: (919) 227-5917



ACCUREX IS A BID ALTERNATE. CONTACT ANTHONY BEHRENDT AT (414) 899-6664. IF THE ALTERNATE IS SELECTED THE CONTRACTOR IS RESPONSIBLE TO FIELD COORDINATE CHANGES FROM THE CAPTIVE AIRE PACKAGE IN THE FIELD.



THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

[illegible]

NO	TAG	PACKAGE #	LOCATION
----	-----	-----------	----------

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	ø	HP	VOLT	FLA
1		SC-E012022MA	UTILITY CABINET LEFT	04 - UTILITY CABINET RIGHT	2 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	1	1000	115	11.6
				HDD # 2	2 FAN		KEF-2	EXHAUST	1	1000	115	11.6
							KSF-1	SUPPLY	3	3000	208	11.6

[illegible][illegible][illegible][illegible]

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CAPTIVE

HWY 55-(PROTO 31B)
various locations,
Raleigh, NC, 27617

[illegible]

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: HOOD DETAILS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By

Checked By

Sheet No.

M504

M004

EXHAUST FAN INFORMATION – JOB#5719764

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	KEF-1	1	DUBSHFA	CAPTIVEAIRE	2460	0.900	1563	TEAD-ECM	1.000	0.6890	1	115	11.6	778 FPM	92	17.3
2	KEF-2	1	DUBSHFA	CAPTIVEAIRE	1845	0.900	1344	TEAD-ECM	1.000	0.4380	1	115	11.6	584 FPM	92	12.1
3	EF-3 (BATH DOWN)	1	DR10HFA	CAPTIVEAIRE	150	0.350	1240	TEAD-ECM	0.166	0.0380	1	115	1.9		48	3.1

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
4	KSF-1	A1-D.250-15D-MPU	1	3	208-230	3 PHASE	60 HZ	14.5 AMPS	11.9 AMPS	20 AMPS	14 AWG	14

MUA FAN INFORMATION – JOB#5719764

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SDNES
4	KSF-1	1	A1-D.250-15D-MPU	15MF-1-MDD	A1-D.250	1100	2100	0.375	2208	DDP,PREMIUM	3.000	1.6880	3	208	8.6	10.8A	15A	1062	23.5

COILS – JOB#5719764

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING											HEATING								
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
4	KSF-1	DX	2100	95.0°F	75.6°F	83.9°F	71.1°F	---	---	---	---	36.0 MBH	24.4 MBH	11.6 MBH	---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
4	KSF-1	167066	153701	70°F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2	KEF-2	1	GREASE BOX
		1	ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
3	EF-3 (BATH DOWN)	1	ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCO MOTOR), CCW ROTATION
		1	I 12-BDD DAMPER
		1	2 YEAR PARTS WARRANTY
4	KSF-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, +5 TO 15" WC
		1	LOW FIRE START
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING – MEETS AMCA CLASS 1A RATING
		1	3 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MUA (1,100 TO 1,800 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	DOWNTURN PLENUM FOR SIZE 1 DX COIL MODULE
		1	COOLING THERMOSTAT AND RELAY (NOT REQUIRED FOR EVAP)
		1	SIZE 1 COOLING COIL MOISTURE ELIMINATOR OPTION – ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM – INCREASES COOLING COIL MAX CFM TO 3650 CFM
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) – THREE PHASE ONLY
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	KEF-2	YES						
3	EF-3 (BATH DOWN)		YES					
4	KSF-1						YES	

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KEF-2	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	EF-3 (BATH DOWN)	22 LBS	CURB	17.500"W X 17.500"L X 18.000"H ALONG LENGTH, RIGHT.
4	# 4		83 LBS	RAIL	6.000"W X 21.000"L X 15.000"H RIGHT.
4	# 4	KSF-1	83 LBS	CURB	21.000"W X 71.000"L X 15.000"H ALONG WIDTH, RIGHT INSULATED.

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ACCUREX IS A BID ALTERNATE. CONTACT ANTHONY BEHRENDT AT (414) 899-6664. IF THE ALTERNATE IS SELECTED THE CONTRACTOR IS RESPONSIBLE TO FIELD COORDINATE CHANGES FROM THE CAPTIVE AIRE PACKAGE IN THE FIELD.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH



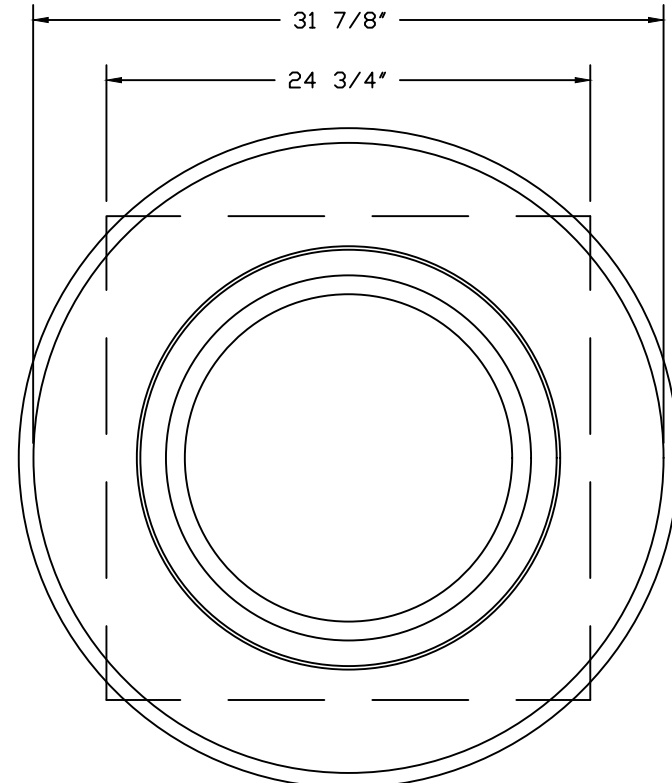
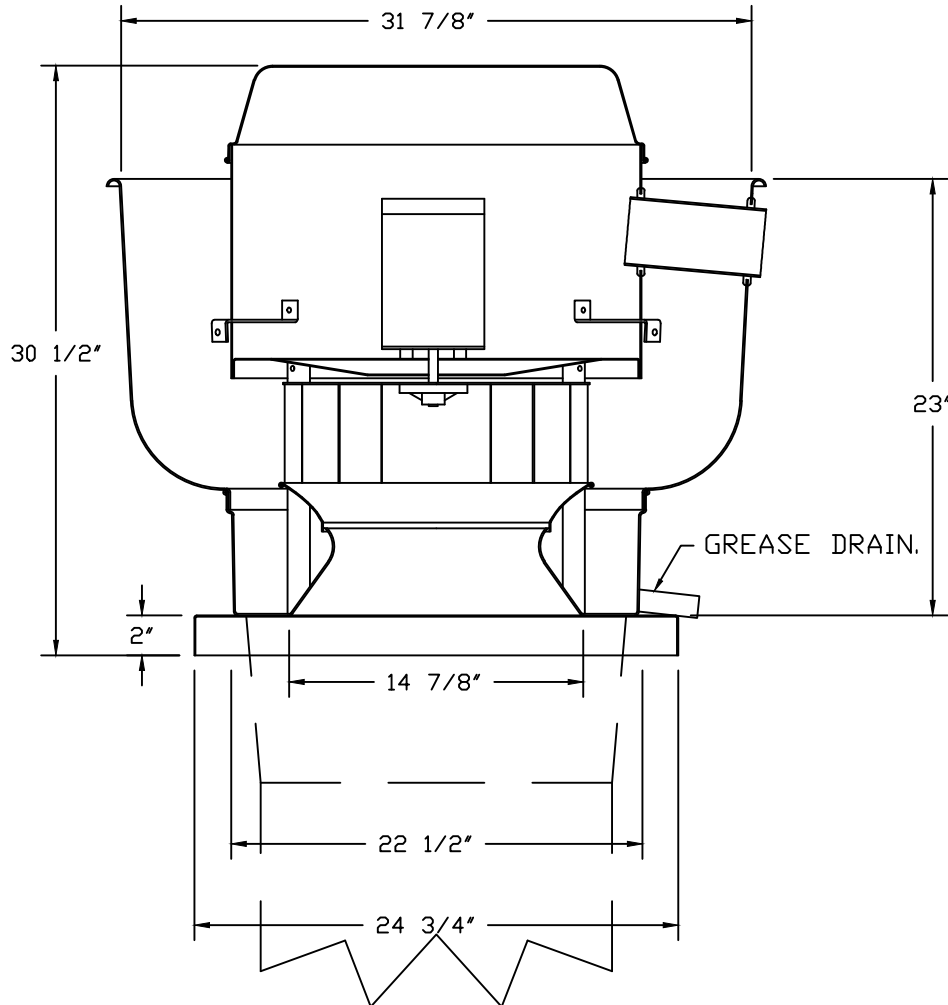
NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001



FOR QUESTIONS
CONTACT: JOE WYLIE
NORTH CAROLINA REGIONAL OFFICE

PHONE: (919) 825-3566
EMAIL: REG36@CAPTIVEAIRE.COM FAX: (919) 227-5917

FANS #1 (KEF-1), #2 (KEF-2) – DUBSHFA EXHAUST FAN



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST

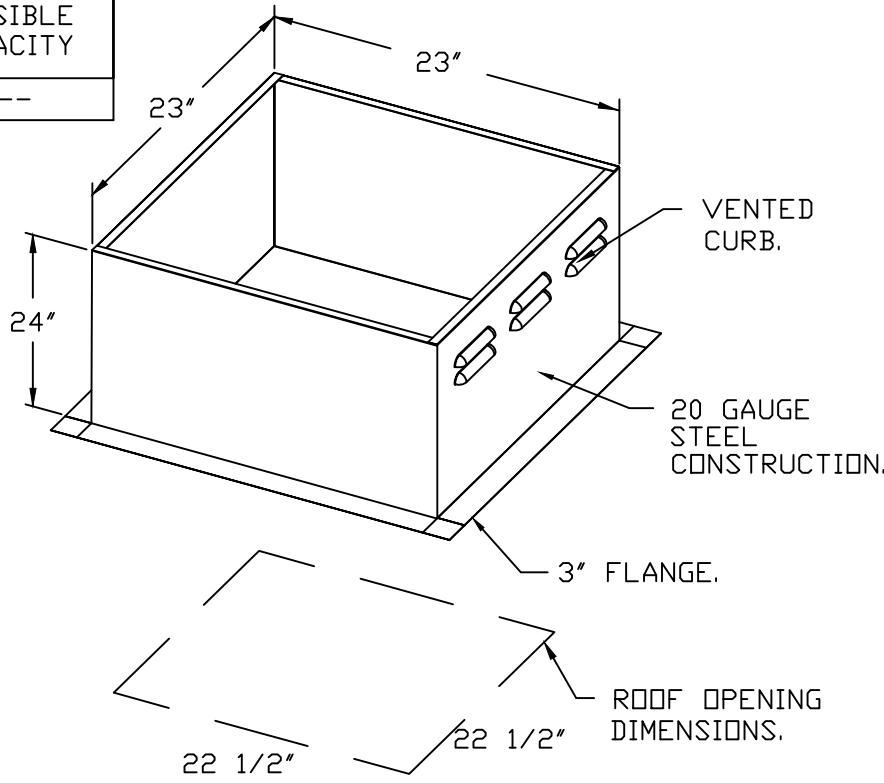
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

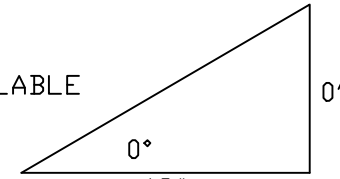
OPTIONS

- GREASE BOX.
- ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL.
- RTC- (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.

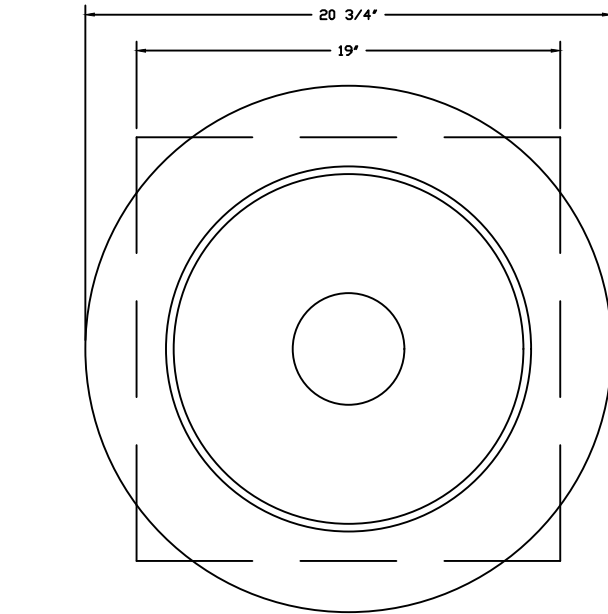
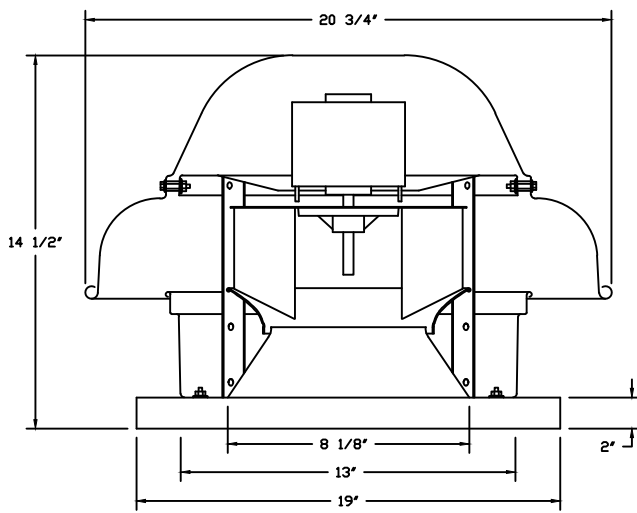


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.



FAN #3 DR10HFA – EXHAUST FAN (EF-3 (BATH DOWN))



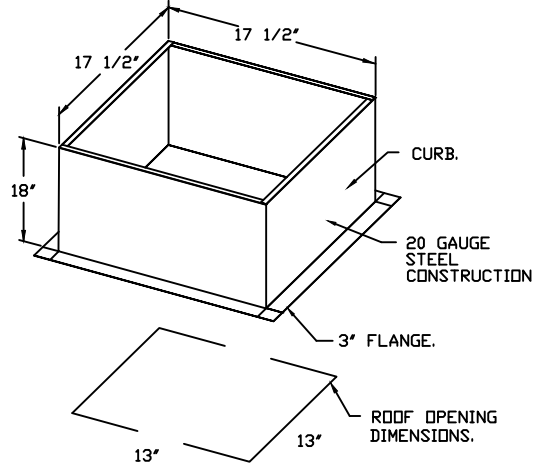
TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- UL705
- SAFETY DISCONNECT.
- STANDARD BIRD SCREEN.
- SPEED CONTROL.

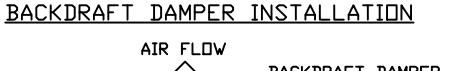
OPTIONS

- ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL.
- RTC- (TELCO MOTOR), CCW ROTATION.
- I 12-BDD DAMPER.
- 2 YEAR PARTS WARRANTY.

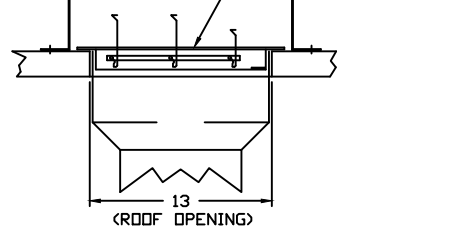


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.



BACKDRAFT DAMPER INSTALLATION



HWY 55-(PROTO 3.1B)
various locations,
Raleigh, NC, 27617

DATE: 11/7/2022

DWG.#:
5719764

DRAWN BY: reg36

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

MASTER DRAWING

SHEET NO.
5

LHMT Project No. 23047.00

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RALEIGH, NC 27617
Phone: 919.244.0087 Fax: 919.544.9399

SHOP DRAWING FOR
REFERENCE ONLY

PROJECT: HIGHWAY 55

3.2 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: HOOD DETAILS

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By

Checked By

Sheet No.

M506



NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN SMCA PUBLICATION #200. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRAMATICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPLY DUCT IN ANY WAY. FAILURE TO FOLLOW PROPER SIZING AND INSTALLATION PRACTICES WILL CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14".

```

WINTER TEMPERATURE = 15°F.  TEMP. RISE = 70°F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 161504.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 175548.
OUTPUT BTUs AT ALTITUDE OF 83 FT. = 161020.
INPUT BTUs AT ALTITUDE OF 83 FT. = 175022.

```

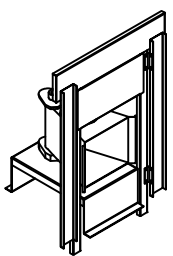
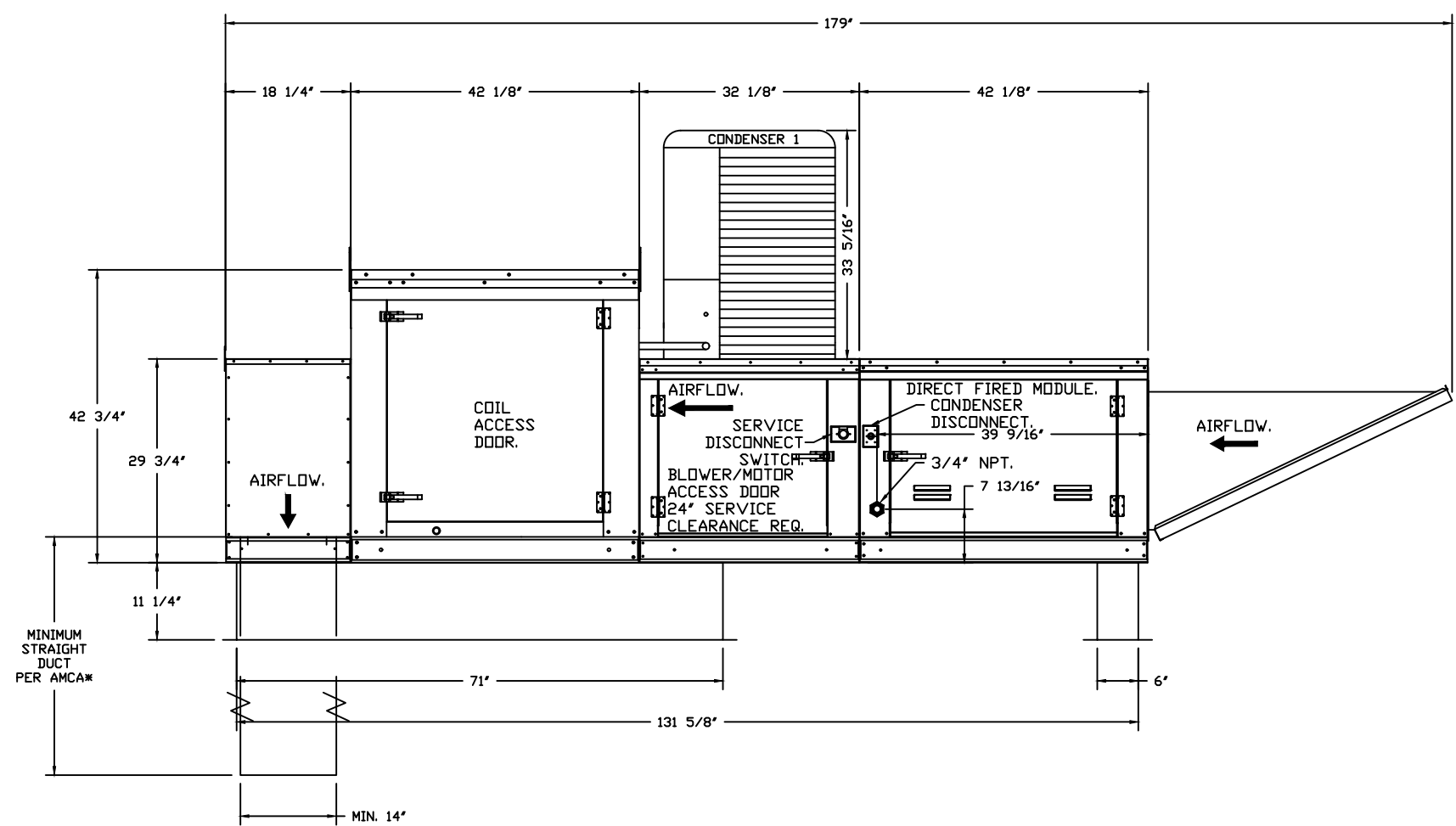
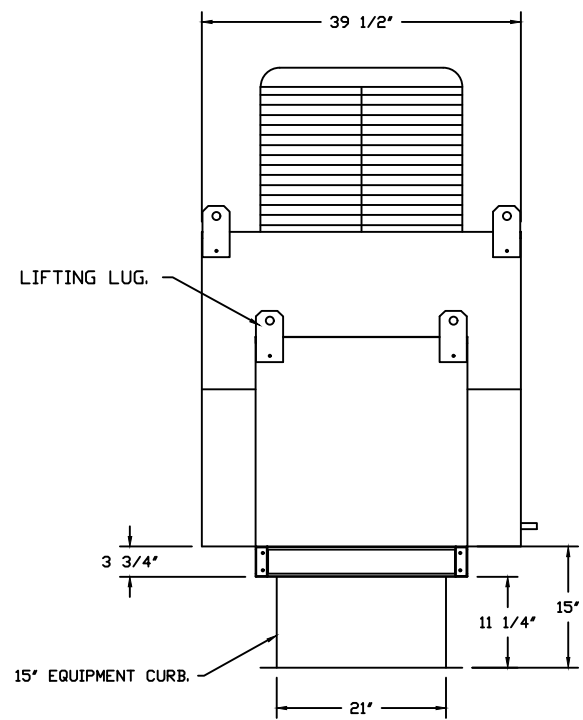
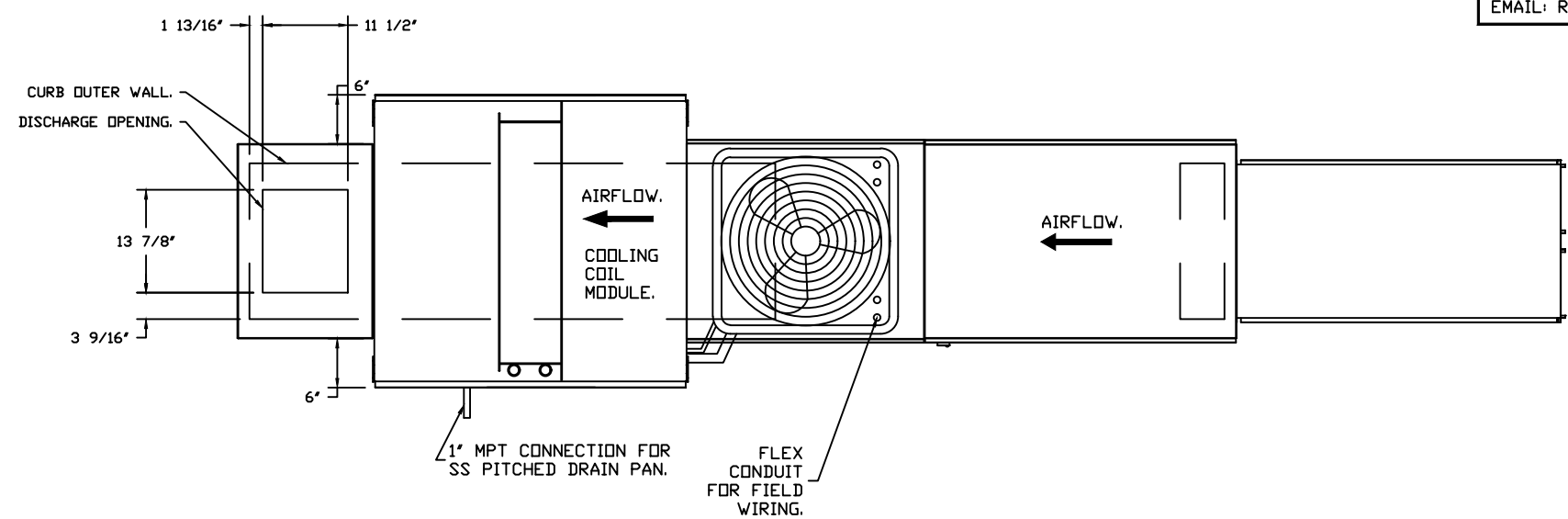
CAPTIVE-AIRE HOODS ARE
BUILT IN COMPLIANCE WITH

NFPA #96
UL 710 & NSF710 STANDARDS
E.T.L. LISTED 3054804-001



FOR QUESTIONS
CONTACT: JOE WYLIE
NORTH CAROLINA REGIONAL OFFICE
PHONE: (919) 825-3566
EMAIL: REG36@CAPTIVEAIRE.COM FAX: (919) 227-5917



SELECTED FIRE BURNER PROFILE SPECIFICATIONS:

SELECTED FIRE BURNERS SHALL HAVE PATENTED GAS PATENT NO. US6663693-0001, SELF-ADJUSTING PROFILE TECHNOLOGY, WHICH PROVIDES A CONSTANT PRESSURE BURN ACROSS THE ENTIRE BURNER. THE BURNER PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING 17-PRODUCT LEVELS TO A MAXIMUM OF 10% OF THE BURNER'S TOTAL SURFACE AREA. THE BURNER'S DESIGN SHALL BE SUCH THAT ALL OF THE BURNER UNITS SHALL BE COMBUSTED WITH THE FOLLOWING METRIC: EQUIPMENT OF THE BURNER. THIS ARRANGEMENT WILL PROVIDE THE BURNER WITH THE NECESSARY GAS FLOW AND METRIC OF AN ENVIRONMENTAL BURNER.

SELECTED BURNER PROFILE PLATES: ARE ENGINEERED TO AUTOMATICALLY REACT TO THE ADJUSTMENT OF A PRESSURE. THE BURNER PROFILE PLATES ARE DESIGNED TO MECHANICALLY ADJUST TO THE BURNER'S VIBRATION. THIS FEATURE, ALL OF THE UNITS ARE DESIGNED FOR DOWNFLOW COMBUSTION (VENTILATION) (CFL) REQUIREMENTS.

SELECTED BURNER PROFILE PLATES: ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DU UNITS LIST (LISTING AND COMPLY WITH THE FOLLOWING REQUIREMENTS: ANSI Z39.48 AND ASME 57.00-DECONTAMINATING OF HEATERS AND ANOD D333 (DECONTAMINATING OF HEATERS).

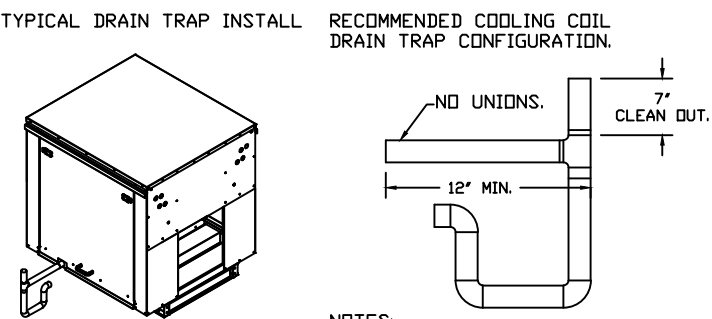
GENERAL CONSTRUCTION:

PROFILE PLATES SHALL BE FORMED FROM 304 STAINLESS STEEL.





PROFILE PLATES SHALL VARY IN SIZE PER DU.

THE BURNER PLATES SHALL BE MOUNTED ON THE SAME PLANE AS THE DISCHARGE OF THE BURNER.


DESIGN SHALL INCORPORATE PROPERLY FORMED, PROPERLY MOUNTED SPRING HINGES.



NOTES:
1) 1" DIAMETER PVC PIPE ONLY.
2) USE ONLY LOW PROFILE COUPLINGS.
3) ADD CLEAN OUT AS SHOWN.

DESCRIPTION		DATE:
△		
△		
△		
△		
		  

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RALEIGH, NC 27617
phone: 919.544.0057 fax: 919.544.9399

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REFERENCE ONLY

PROJECT: ***HIGHWAY 55***

3.2 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

HOOD DETAIL S

HOOD DETAILS

Revisions

THRU ADDENDUM "D"
11/21/2022

DATE: 11/7/2022

DWG.#:

5719764

DRAWN BY: reg36

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

MASTER DRAWING

SHEET NO.

6

PROJECT DATE
06/29/2023

Drawn By

Checked By

Sheet No

M507

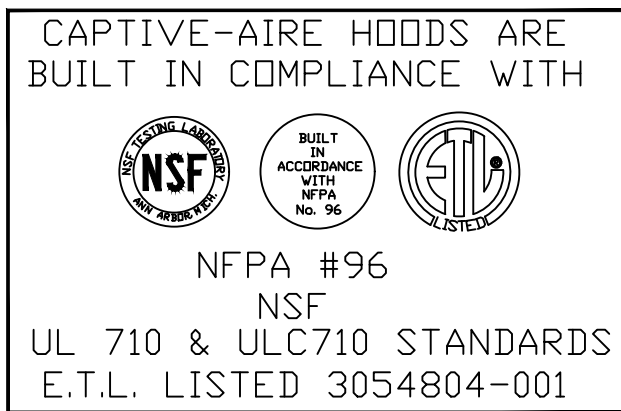
ACCUREX IS A BID ALTERNATE. CONTACT ANTHONY BEHRENDT AT (414) 899-6664. IF THE ALTERNATE IS SELECTED THE CONTRACTOR IS RESPONSIBLE TO FIELD COORDINATE CHANGES FROM THE CAPTIVE AIRE PACKAGE IN THE FIELD.

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Drawing File: Z:\2023\23047-HWY55 Hammond LA\CAD\W508.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:56pm

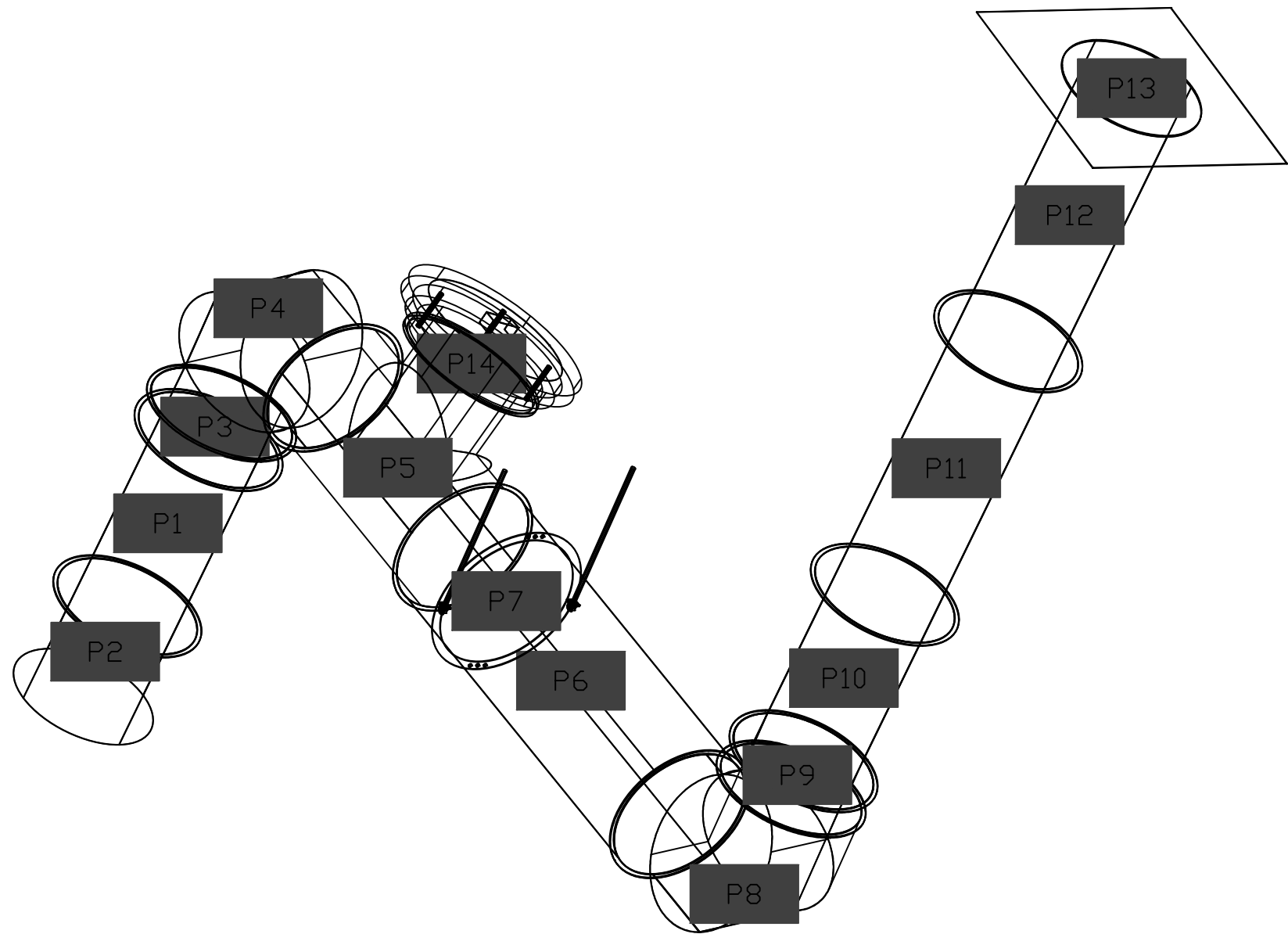
DUCTWORK #1 PARTS - JOB#5719764											
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	
P1	DW1623LT						12.32		1	SINGLE WALL DUCT 16" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.	
P2	DW1624AJDKIT						16.63		1	SINGLE WALL DUCT ADJUSTABLE, 16" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 16" ADJUSTABLE COLLAR - STAINLESS STEEL.	
P3	DW1604C2D						2.73		1	SINGLE WALL DUCT OFF SET COLLAR - 16" DIAMETER DUCT - 1/2" PITCH.	
P4	DW1690ASY						13.00		1	SINGLE WALL DUCT 90 DEGREE ELBOW, 16" DUCT, ASSEMBLY.	
P5 ASSEMBLED W/P14	DW16TEASY			1			19.23		1	SINGLE WALL DUCT TEE, 16" DUCT, ASSEMBLY.	
P6	DW1647LT						24.89		1	SINGLE WALL DUCT 16" DIAMETER, 47" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.	
P7	DW16SUBRASYS						3.18		1	DUCT SUPPORT BRACKET KIT, 16" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.	
P8	DW1690ASY						13.00		1	SINGLE WALL DUCT 90 DEGREE ELBOW, 16" DUCT, ASSEMBLY.	
P9	DW1604C2D						2.73		1	SINGLE WALL DUCT OFF SET COLLAR - 16" DIAMETER DUCT - 1/2" PITCH.	
P10	DW1623LT						12.32		1	SINGLE WALL DUCT 16" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.	
P11	DW1635LT						18.67		1	SINGLE WALL DUCT 16" DIAMETER, 35" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.	
P12 ASSEMBLED W/P13	DW1649AJDKIT						30.39		1	SINGLE WALL DUCT ADJUSTABLE, 16" DIAMETER, 47.5" LONG, FLANGE AT ONE END WITH A 16" ADJUSTABLE COLLAR - STAINLESS STEEL.	
P13 ASSEMBLED W/P12	DW2416TP						12.00		1	DUCT TO CURB TRANSITION, 24" CURB TO 16" DUCT, 16 GA ALUMINIZED. MISC. NON-STANDARD TRANSITION PLATE.	
P14 ASSEMBLED W/P5 D=T	DW1617ADIASYS						16.57		1	DUCT ACCESS DOOR - INSULATED - USED WITH 16" DUCT - GREASE DAM INCLUDED - ASSEMBLY.	
	3M-2000PLUS						0.80		4	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.	
	DW16CLASY						1.18		12	DUCT *V* CLAMP WITH NEW DESIGN 14 GA BRACKETS, 16" DUCT, ASSEMBLY.	
TOTAL WEIGHT							215.02				

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

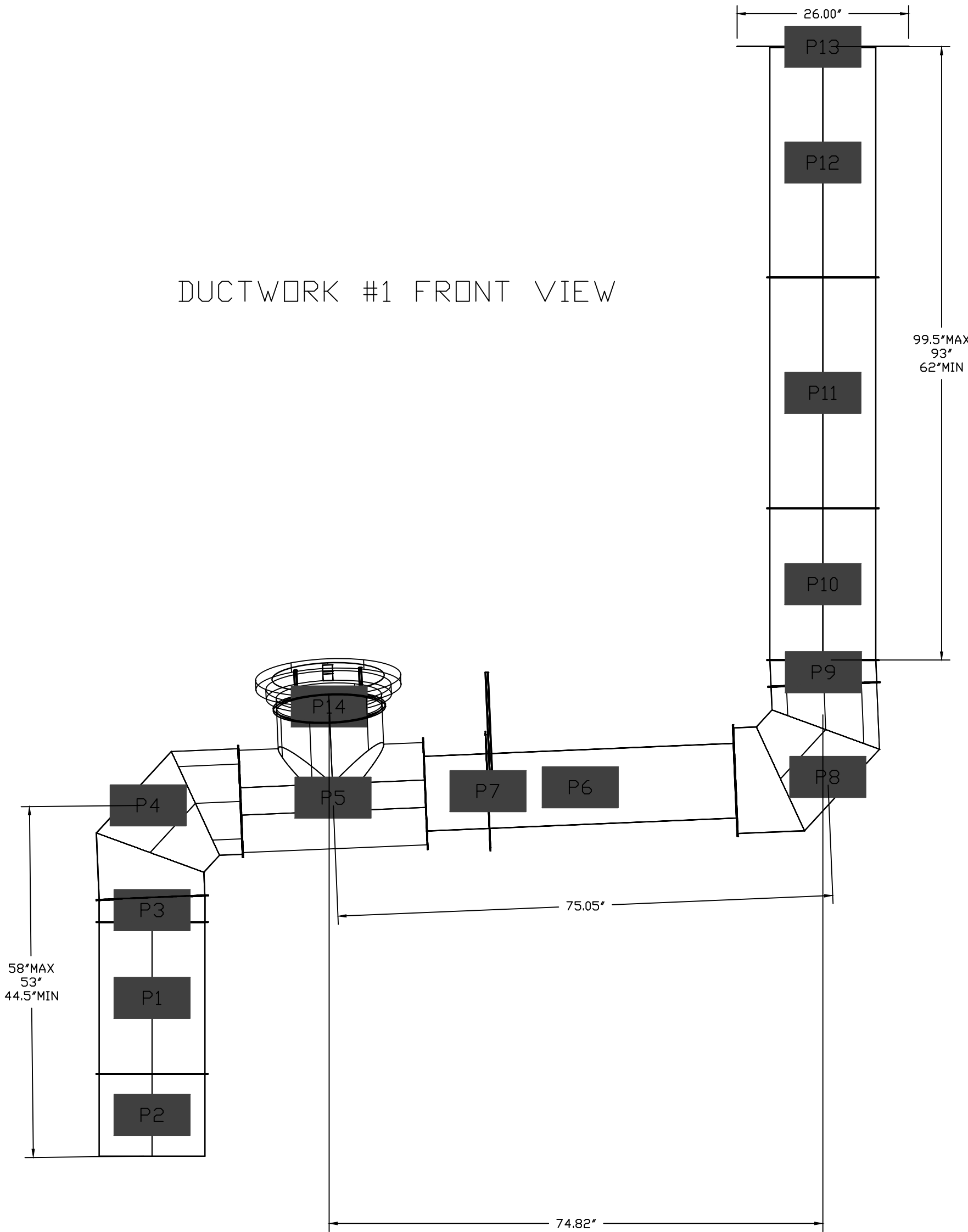


FOR QUESTIONS
CONTACT: JOE WYLIE
NORTH CAROLINA REGIONAL OFFICE
PHONE: (919) 825-3566
EMAIL: REG36@CAPTIVEAIRE.COM FAX: (919) 227-5917

DUCTWORK #1 SE VIEW



DUCTWORK #1 FRONT VIEW



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REVISIONS

DESCRIPTION	DATE:
Δ	
Δ	
Δ	
Δ	

CAPTIVE

Eastern North Carolina
4641 Paragon Park Rd., Raleigh, NC, 27616 PHONE: (919) 825-3666 FAX: (919) 227-5917 EMAIL: reg36@captiveaire.com

HWY 55-(PROTO 3.1B)
various locations,
Raleigh, NC, 27617

DATE: 11/7/2022
DWG.#: 5719764
DRAWN BY: reg36
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
7

LHMT Project No. 23047.00

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RALEIGH, NC 27617
Phone: 919.244.0087 Fax: 919.544.9399

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REFERENCE ONLY

PROJECT: HIGHWAY 55
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401
DRAWING: HOOD DETAILS

Revisions

THRU	ADDENDUM	"D"
	11/21/2022	

PROJECT DATE
06/29/2023

Drawn By

Checked By

Sheet No.
M508

Drawing File: Z:\2023\23047-HWY55-Hammond LA\CAD\W509.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:56pm

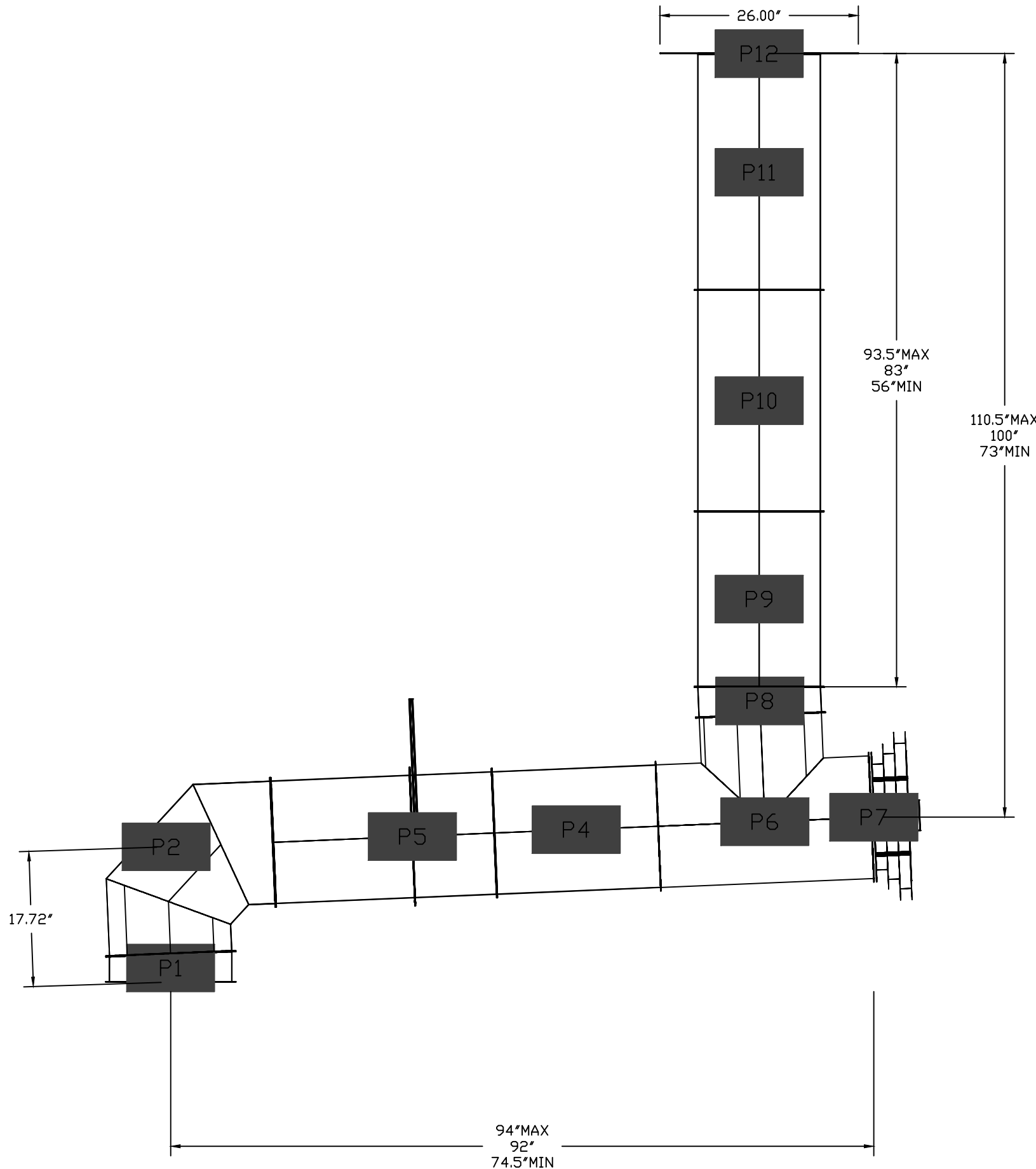
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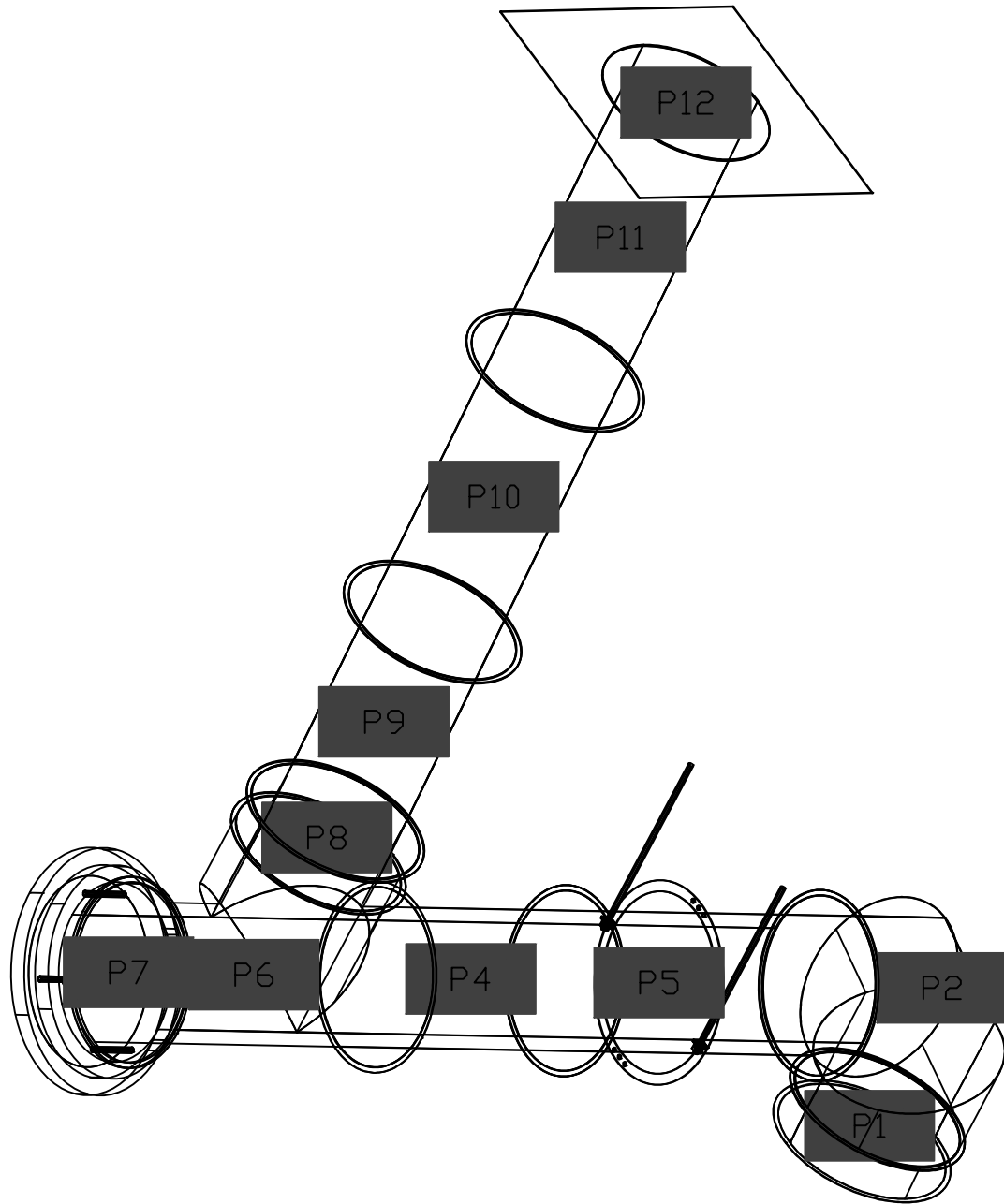
DUCTWORK #2 PARTS - JOB#5719764

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1604C2D						2.73		1	SINGLE WALL DUCT OFF SET COLLAR - 16" DIAMETER DUCT - 1/2" PITCH.
P2	DW1690ASY						13.00		1	SINGLE WALL DUCT 90 DEGREE ELBOW, 16" DUCT, ASSEMBLY.
P3	DW1629LT						15.68		1	SINGLE WALL DUCT 16" DIAMETER, 29" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P4	DW1630AJDKIT						20.06		1	SINGLE WALL DUCT ADJUSTABLE, 16" DIAMETER, 29.5" LONG, FLANGE AT ONE END WITH A 16" ADJUSTABLE COLLAR - STAINLESS STEEL.
P5	DW16SUBRASY						3.18		1	DUCT SUPPORT BRACKET KIT, 16" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P6 ASSEMBLED W/P7	DW16TEASY			1			19.23		1	SINGLE WALL DUCT TEE, 16" DUCT, ASSEMBLY.
P7 ASSEMBLED W/P6 Q=S	DW1617ADIASY						16.57		1	DUCT ACCESS DOOR - INSULATED - USED WITH 16" DUCT - GREASE DAM INCLUDED - ASSEMBLY.
P8	DW1604C2D						2.73		1	SINGLE WALL DUCT OFF SET COLLAR - 16" DIAMETER DUCT - 1/2" PITCH.
P9	DW1623LT						12.32		1	SINGLE WALL DUCT 16" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P10	DW1629LT						15.68		1	SINGLE WALL DUCT 16" DIAMETER, 29" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P11 ASSEMBLED W/P12	DW1648AJDKIT						30.39		1	SINGLE WALL DUCT ADJUSTABLE, 16" DIAMETER, 47.5" LONG, FLANGE AT ONE END WITH A 16" ADJUSTABLE COLLAR - STAINLESS STEEL.
P12 ASSEMBLED W/P11	DW2416TP						12.00		1	DUCT TO CURB TRANSITION, 24" CURB TO 16" DUCT, 16 GA ALUMINIZED. MISC. NON-STANDARD TRANSITION PLATE.
	3M-2000PLUS						0.80		4	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	DW16CLASY						1.18		10	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 16" DUCT, ASSEMBLY.
TOTAL WEIGHT							178.57			

DUCTWORK #2 SIDE VIEW



DUCTWORK #2 SE VIEW



REVISIONS

DESCRIPTION	DATE:
Δ	
Δ	
Δ	
Δ	

www.captiveaire.com

Eastern North Carolina

4641 Pargeton Park Rd., Raleigh, NC, 27616 PHONE: (919) 227-8817 FAX: (919) 227-8817 EMAIL: reg36@captiveaire.com

DATE: 11/7/2022

DWG.#: 5719764

DRAWN BY: reg36

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

MASTER DRAWING

SHEET NO. 8

HWY 55-(PROTO 3.1B)

various locations,

Raleigh, NC, 27617

LHMT Project No. 23047.00

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Phone: 919.244.0087 Fax: 919.544.9399

SHOP DRAWING FOR
REFERENCE ONLY

PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: HOOD DETAILS

Revisions

THRU	ADDENDUM	"D"
	11/21/2022	

PROJECT DATE 06/29/2023

Drawn By

Checked By

Sheet No.

M509

Drawing File: C:\Users\chudson\AppData\Local\Temp\AcPublish_6196\W601.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:56pm

AIR CURTAIN SCHEDULE										
SYMBOL	MFGR.	MODEL	SERVICE	LENGTH	ELECTRICAL				WEIGHT	REMARKS
					AMPS	VOLTS	PHASE	H.P.		
AC-1	MARS	STD248-2UA-OB	KITCHEN DOOR	48"	5.1	120	1	1/2	70 LBS.	PROVIDE UNIT SPECIFIED OR EQUAL BY BERNER OR POWERED AIRE

PACKAGED GAS/ELECTRIC AIR CONDITIONING UNITS															
MARK	MFG/MODEL NO.	CFM	ESP. SP. (IN W.C.)	TOT. SP. (IN W.C.)	FAN RPM	MOTOR SIZE	HEATING (MBH)		NOMINAL COOLING (TONS)	SEER/EEER	FLA	MCA	MOPD	VOLTAGE	OPER. WEIGHT
							INPUT	OUTPUT							
RTU-1	CARRIER 48FCN08	2,400	-	-	1600	MED	125.0	102.5	7.5	11.2	35.6	39.0	50.0	208/3	1067#
RTU-2	CARRIER 48FCN08	2,400	-	-	1600	MED	125.0	102.5	7.5	11.2	35.6	39.0	50.0	208/3	1067#
RTU-3	CARRIER 48FDM12	4,000	-	-	1800	MED	180.0	147.6	10.0	11.0	40.6	45.0	50.0	208/3	1170#
NOTES:															
1. DISCONNECT SWITCH PROVIDED AND INSTALLED BY E.C. SEE ELECTRICAL DRAWINGS.															
2. PROVIDE ALL RTUS WITH AN UNPOWERED RECEPTACLE.															
3. FIELD INSTALLED 14" NCA PLENUMIZED CURB.															
4. PROVIDE ALL RTUS WITH DUAL ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.															
5. PROVIDE RTU-1 AND RTU-2 WITH REHEAT CAPABILITY (HUMIDIFIER).															
6. PROVIDE ALL RTUS WITH UNIT MOUNTED RETURN AIR SMOKE DETECTOR															
7. PROVIDE ALL RTUS WITH LOW AMBIENT COOLING CAPABILITY DOWN TO 0 DEGREES F.															
8. PROVIDE EACH RTU WITH FACTORY OPTION CONDENSATE DRAIN PAN OVERFLOW SWITCH.															
9. PROVIDE 2 SETS OF MERV 13 FILTERS. INSTALL ONE DURING CONSTRUCTION AND ANOTHER SET AT THE END OF THE PROJECT.															
10. PROVIDE UNITS SPECIFIED OR EQUAL UNITS BY LENNOX OR TRANE. IF ALTERNATE UNITS ARE PURCHASED CONTRACTOR IS RESPONSIBLE TO MODIFY UTILITIES AND DUCT ROUTING AS REQUIRED.															
11. ALL RTUS SHALL COME WITH 2 SPEED INDOOR FAN AS STANDARD.															

FAN SCHEDULE											
SYMBOL	MFGR.	MODEL	CFM	EXT. SP	SERVING	ELECTRICAL				WEIGHT	REMARKS
						FLA	HP	VOLT	PHASE		
EF-1	CAPTIVE AIRE	DU85HFA	2,460	0.90	HOOD-1	11.60	1	115	1	133	SEE HOOD SHEETS
EF-2	CAPTIVE AIRE	DU85HFA	1,845	0.90	HOOD-2	11.60	1	115	1	133	SEE HOOD SHEETS
EF-3	CAPTIVE AIRE	DR10HFA	150	0.35	RESTROOMS	1.90	0.166	115	1	70	SEE HOOD SHEETS
SF-1	CAPTIVE AIRE	AL-D.250-15D	2,100	0.55	HOOD-1	-	3	208	3	1227	SEE HOOD SHEETS

GRILLE AND DIFFUSER SCHEDULE							
MARK	MODEL	FACE SIZE	BOOT SIZE	TYPE	OPENING SIZE	FINISH	NOTES
A	NCA12	24"x24"	12" RND	SUPPLY 4 WAY	T-BAR	WHITE/NOTE 6	2
B	APDF3-1424	24"x24"	12" RND	SUPPLY PERF.	T-BAR	WHITE	3
C	P620DF-1812	18"x12"	-	SUPPLY SIDEWALL	-	WHITE/NOTE 6	4
D	630	12"x12"	6" RND	SUPPLY 1 WAY	SIZE + 1/4"	WHITE	5
E	630TB	24"x24"	18" RND	RETURN	T-BAR	WHITE/NOTE 6	
F	630	12"x12"	6" RND	EXHAUST	SIZE + 1/4"	WHITE	
NOTES: 1) ALL DEVICES SHALL BE MANUFACTURED BY METALAIR OR EQUIVALENT AND 100% ALUM. 2) PROVIDE WITH PVC/R SLIDING-BLADE DAMPER. 3) PROVIDE WITH 14" RND TO 12" RND REDUCERS FDOR TOPS OF DIFFUSERS. 4) PROVIDE WITH DUAL DEFLECTION BLADES AND OPPOSED-BLADE DAMPER. 5) PROVIDE WITH OPPOSED-BLADE DAMPER. 6) DINING ROOM DIFFUSERS AND GRILLES SHALL COME WITH A BLACK FACTORY FINISH. SEE SHEET M121.							

HVAC SEQUENCE OF OPERATION

M.C. SHALL SET THERMOSTAT "OCCUPIED" AND "UNOCCUPIED" MODES TO OWNER'S OPERATION SCHEDULE. EVAPORATOR FANS SHALL BE SET TO "ON" UNDER NORMAL CONDITIONS. RTU-1, RTU-2, AND RTU-3 WHEN ACTIVATED BY THE "OCCUPIED" SWITCH (INTERIOR OVERRIDE SWITCH) LOCATED ON THE HOOD CONTROL PANEL.

NORMAL OPERATION (OCCUPIED):
EF-1 AND EF-2: EVAPORATOR FAN AND ECONOMIZER (IF APPLICABLE) ON RTU-1, RTU-2, AND RTU-3 SHALL OPERATE CONTINUOUSLY UPON ACTIVATION OF THE "OCCUPIED" SWITCH. NORMALLY OPEN CONTACTS FOR THIS ARE INCLUDED INTERNALLY IN THE HOOD CONTROL PANEL. SEE HOOD SHEETS AND DETAILS ON M161.

THE TEMPERATURE SCHEDULE SET POINTS SHALL BE SPECIFIC FOR EACH RTU AND SHALL BE FIELD ADJUSTABLE.
SPACE TEMPERATURE SET POINTS: RTU-1&2: 74°F COOLING, 70°F HEATING
RTU-3: 78°F COOLING, 68°F HEATING

SPACE HUMIDITY SET POINTS: RTU-1&2: 55% RH

ALL RTU'S COOLING/HEATING SWITCH/OVER SHALL BE AUTOMATIC BASED ON THE SPACE DEMAND. EVAPORATOR FANS SHALL BE SET TO RUN CONTINUOUSLY(ON) DURING "OCCUPIED" PERIODS. OUTSIDE AIR INTAKE ON ECONOMIZERS OR DAMPERS SHALL BE IN MINIMUM OPEN POSITION TO DELIVER CFM'S INDICATED IN AIR BALANCE SCHEDULE ON SHEET M601 OR SHALL FOLLOW THE ECONOMIZER OPERATION DESCRIBED BELOW.

UPON DEACTIVATION OF THE "OCCUPIED" SWITCH THE KITCHEN AND DINING ROOM LIGHTS, ALL EXHAUST FANS, EVAPORATOR FANS AND ECONOMIZERS ON RTU-1, RTU-2, AND RTU-3 SHALL START TIME DELAYED OFF (SUBJECT TO HOODSTAT AND/OR ZONESENSOR OVERRIDE).

EF-3 SHALL BE CONTROLLED BY OCCUPANCY SENSOR.

ECONOMIZER OPERATION (IF APPLICABLE)
THE RTU'S EQUIPPED WITH ECONOMIZERS (SEE UNITS SCHEDULE ON SHEET M601) SHALL UTILIZE "FREE COOLING" AS THE FIRST STAGE OF COOLING. WHEN OUTDOOR AIR ENTHALPY IS LOWER THAN THE MIXED AIR ENTHALPY, OUTSIDE AIR INTAKE DAMPERS SHALL MODULATE FROM MIN. TO MAX. OPEN POSITION AND SPACE RETURN AIR DAMPERS SHALL MODULATE FROM MAX. TO MIN. RELIEF DAMPERS SHALL BE CONTROLLED RESPECTIVELY VIA INTEGRAL RTU CONTROL. IF THE OUTSIDE AIR ALONE CANNOT SATISFY THE SPACE COOLING DEMAND, THE COMPRESSORS SHALL BE ENERGIZED IN STAGES. WHEN OUTDOOR AIR ENTHALPY IS HIGHER THAN MIXED AIR ENTHALPY, OR WHEN THE LOW LIMIT SENSOR LOCATED IN DISCHARGE AIR REACHES ITS SET POINT (55°F -ADJ.), THEN OUTDOOR AIR AND RETURN AIR DAMPERS SHALL BE SET TO DELIVER MINIMUM O.A. CFM'S INDICATED IN THE AIR BALANCE SCHEDULE.

NIGHT SETBACK OPERATION (UNOCCUPIED)
SPACE TEMPERATURE SET POINTS: RTU-1, RTU-2, AND RTU-3: 85°F COOLING, 60°F HEATING.

ALL RTU'S EVAPORATOR FANS, COMPRESSORS AND HEATER SHALL RUN ON DEMAND ONLY(AUTO) ANY MOTORIZED OUTSIDE AIR DAMPERS SHALL BE IN CLOSED POSITION. M.C. SHALL VERIFY REQUIREMENT FOR AUTOMATIC SETBACK CONTROL WITH LOCAL AUTHORITIES AND COORDINATE WITH EQUIPMENT SUPPLIER.

FIRE PROTECTION GLOBAL SHUTDOWN:
IF LOCAL CODE OFFICIAL REQUIRES GLOBAL SHUTDOWN OF ALL RTU'S UPON SMOKE DETECTION IN ANY RTU DUCTWORK, THE MECHANICAL CONTRACTOR SHALL PROVIDE A RELAY IN EACH RTU TIED TO THE STAND ALONE SMOKE ALARM SMOKE DETECTION SYSTEM TO SHUT DOWN ALL RTU'S SIMULTANEOUSLY.

HOOD:
THE INTERIOR OVERRIDE SWITCH (HOODS ON) SHOULD BE TURNED ON BY THE MANAGER UPON ARRIVAL. WHEN FINISHED FOR THE DAY, THE MANAGER SHOULD TURN THE INTERIOR OVERRIDE SWITCH OFF AND TIME DELAYED OFF (SUBJECT TO HOODSTAT AND/OR ZONESENSOR OVERRIDE) COMMENCES.

AUTOMATIC BACK-UP OPERATION: WHEN THE HOOD TEMPERATURES ARE GREATER THAN 15 DEGREES ABOVE THE ROOM TEMPERATURE (AS MEASURED BY DUCT STAT IN HOOD RISER AND COMPARED TO BASE ROOM SENSOR TEMPERATURE), ALL FAN LIGHTS WILL BE FORCED ON IF NOT PREVIOUSLY ON BY OTHER MEANS (SWITCH).

FAN/LIGHTS WILL REMAIN ON AS LONG AS EITHER OF THE FOLLOWING CONDITIONS EXIST 1) "OCCUPIED" SWITCH IS IN THE "ON" POSITION, OR 2) AUTOMATIC OPERATION I.E. HOOD TEMPERATURES ARE GREATER THAN 15 DEGREES ABOVE ROOM TEMPERATURE.

MECHANICAL GENERAL NOTES

GENERAL CONSTRUCTION

1. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATION FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER REPRESENTATIVE OR DESIGN ENGINEER. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THESE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER REPRESENTATIVE OR THE DESIGN ENGINEER.

HVAC SYSTEMS & UNITS

2. ALL HVAC SYSTEMS AND ASSOCIATED EQUIPMENT (DUCTWORK, DIFFUSERS, DAMPERS, INSULATION, ETC.) ARE PURCHASED BY THE MC THROUGH NCA CONSULTANTS. HOOD SYSTEMS AND ASSOCIATED EQUIPMENT SHALL BE PURCHASED BY TENANT (HWY 55) THROUGH NCA CONSULTANTS (877-530-0078). THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL HVAC AND HOOD SYSTEMS AND ASSOCIATED EQUIPMENT. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED PER PLAN INSTRUCTIONS.

3. THE MECHANICAL CONTRACTOR SHALL PROVIDE AN OPERATION AND MAINTENANCE MANUAL AND COMPLETE AS-BUILT DRAWINGS TO THE TENANT UPON COMPLETION OF THE JOB. THE MANUAL SHALL INCLUDE BASIC DATA RELATING TO THE OPERATION AND MAINTENANCE OF NEW HVAC SYSTEMS AND EQUIPMENT AS WELL AS NAMES AND ADDRESSES OF QUALIFIED SERVICE AGENCIES, REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. HVAC CONTROL DIAGRAMS, SCHEMATICS, CONTROL SEQUENCE DESCRIPTIONS, AND CALIBRATION INFORMATION SHALL BE INCLUDED. DESIRED OR FIELD DETERMINED SET POINTS MUST BE PERMANENTLY RECORDED ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN PROGRAMMING COMMENTS. THE MANUAL SHALL INCLUDE A COPY OF THE CONTROL SYSTEMS TESTING REPORT AND A COPY OF THE AIR BALANCE REPORT.

4. THE MECHANICAL CONTRACTOR SHALL INSTALL EQUIPMENT AND ALL ACCESSORIES IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS FURNISHED WITH THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO:

- ALL EXTERNAL DUCT WORK.
- REMOVE ALL SHIPPING TIE-DOWN AND SHIPPING BLOCKS.
- INSTALL ALL BLOWER BELTS AND ACCESSORIES.
- INSTALL ALL EXTERNAL CONTROLLING DEVICES, SUCH AS THERMOSTATS AND DUCT SENSORS.
- POWER, CONTROL WIRING AND FUEL PIPING TO BE PERMANENTLY INSTALLED AND CONNECTED TO THE EQUIPMENT.
- ALL SPLIT SYSTEMS MUST BE PIPED AND CHARGED COMPLETELY (WHERE APPLICABLE).
- ALL COMPRESSORS WHICH UTILIZE CRANKCASE HEATERS MUST HAVE HEATER ENERGIZED FOR 24 HOURS BEFORE STARTING EQUIPMENT.
- COMPLETE START-UP, TEST AND RUN OF ALL UNITS AT LEAST 24 HOURS PRIOR TO THE E.O.C.
- ALL FILTERS MUST BE INSTALLED AND CLEAN.
- CHECK THAT ALL NEW RTU'S HAVE BEEN NUMBERED IN THE FIELD AS SHOWN ON PLANS (I.E. RTU#1, RTU#2 ETC.).
- THE MECHANICAL CONTRACTOR SHALL NOT SCALE THE DRAWINGS FOR RTU AND FAN SIZES. THE MECHANICAL CONTRACTOR SHALL OBTAIN THE LATEST SHOP DRAWINGS FROM THE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AND USE IT FOR ACTUAL DIMENSIONS.

DUCT INSTALLATION, GRILLES/DIFFUSERS AND AIR BALANCE

7. ALL RIGID DUCTWORK SHALL BE RUN ABOVE THE FINISHED CEILING AND BETWEEN JOISTS, OR AS TIGHT TO THE JOISTS AS POSSIBLE, UNLESS OTHERWISE NOTED. DUCTWORK LAYOUTS ARE ACTUAL. ALL RISES, DROPS, AND OFFSETS REQUIRED (EVEN IF NOT SHOWN) SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. DUCTWORK DIMENSIONS ARE INSIDE "CLEAR" DIMENSIONS AND DO NOT INCLUDE INSULATION. WHERE STRUCTURAL OBSTRUCTIONS ARE ENCOUNTERED, DUCT DIMENSIONS MAY BE CHANGED TO PROVIDE DUCTS OF EQUAL AREAS WITH ASPECT RATIOS NO GREATER THAN 4 TO 1. IF THE ABOVE CRITERIA CAN NOT BE MET, THE CONTRACTOR OR OWNER'S REPRESENTATIVE SHOULD CONTACT THE ENGINEER TO WORK OUT AN ACCEPTABLE SOLUTION.
8. DUCTWORK SHALL HAVE RIGHT-OF-WAY OVER ALL PLUMBING PIPES AND ELECTRICAL CONDUIT ETC. DO NOT RELOCATE DUCTWORK BY BUILDING OFFSETS UNLESS APPROVED BY THE LANDLORD'S REPRESENTATIVE AND THE ENGINEER. MECHANICAL CONTRACTOR SHALL FIELD MEASURE ALL CONDITIONS AND BE RESPONSIBLE FOR COORDINATION AND FIT. DO NOT SCALE DUCTWORK SIZES ON DRAWINGS.
9. THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL DUCTWORK MADE OF GALVANIZED SHEET METAL (RECTANGULAR AND/OR ROUND) PER SPECIFICATIONS ON SHEET M701. ALL SHEET METAL DUCTWORK SHALL BE PER "SMACNA" STANDARDS. ALL FLEX DUCT SHALL BE INSULATED AND UL 181 LISTED CLASS 1 METAL GAUGES, FITTINGS AND INSTALLATION SHALL BE PER SMACNA LATEST EDITION OF "HVAC METAL DUCT STANDARDS". KEEP A COPY OF THE "SMACNA" STANDARDS ON THE JOBSITE. ESPECIALLY REFER TO THE "SMACNA" STANDARDS FOR ELBOWS AND FITTINGS. SUPPORT DUCTS FROM THE STRUCTURE WITH STRAPS AT EACH JOINT PER "SMACNA" STANDARDS. ALSO REFER TO DETAILS AND SECTIONS IN THIS SET OF DRAWINGS WHICH TAKE PRECEDENCE.
10. INSTALL TURNING VANES IN SUPPLY DUCTWORK AT ALL SQUARE ELBOWS. PROVIDE BALANCING DAMPERS IN ALL DUCTS WHERE REQUIRED FOR SYSTEM BALANCING AND AT EACH AIR OUTLET OR DIFFUSER. DIFFUSERS SHALL BE INSTALLED WITH CONTRACTOR SUPPLIED SQUARE TO ROUND TRANSITION WHERE REQUIRED.
11. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY SEALED USING WELDMENTS, MECHANICAL FASTENERS WITH SEALS, GASKETS OR MASTICS OR PRESSURE SENSITIVE TAPES OR PER SMACNA STANDARDS. DUCTS SHALL BE CONNECTED TO FANS AND AIR DEVICES USING MECHANICAL FASTENERS WITH SEALS, MASTICS OR GASKETS OR PER SMACNA STANDARDS. TAPES AND MASTICS MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B.

12. ALL METAL SUPPLY AND RETURN AIR DUCTS SHALL BE THERMALLY INSULATED WITH R-6.0 (MIN.) EXTERNAL DUCTWRAP WITH VAPOR BARRIER (EXCEPT IF OTHERWISE NOTED ON DRAWINGS). NO THERMAL INSULATION IS REQUIRED ON EXHAUST DUCTS.
13. APPLY INSULATION ON RIGID METAL DUCTWORK PER MANUFACTURER SPECIFICATIONS WITH 2" (MIN.) OVERLAPPING FASTENED 6" O.C. WITH 1/2" (MIN.) STAPLES. SEAL ALL JOINTS WITH PRESSURE SENSITIVE FOIL TAPE. INSULATION ON DUCTS OVER 24" WIDE, SHALL BE SECURED TO THE BOTTOM OF DUCT TO PREVENT SAGGING. EXTERNAL INSULATION IS REQUIRED ON ALL CONCEALED DUCT.

14. THE MECHANICAL CONTRACTOR SHALL BALANCE BUILDING HVAC AIR FLOW AS SHOWN ON PLANS. THE MECHANICAL CONTRACTOR SHALL ADJUST AIR CFM AND FLOW PATTERNS AS INDICATED ON PLAN, SCHEDULES AND NOTES. HVAC SYSTEM COMMISSIONING SHALL BE PERFORMED BY N.E.B.B. CERTIFIED BALANCING AGENCY SERVING AS A BALANCING CONTRACTOR (BC). B.C. SHALL BE RESPONSIBLE FOR FINAL ADJUSTMENTS AND ENSURING AN OVERALL POSITIVE BUILDING PRESSURE WITH ALL EXHAUST, M.U. AIR FANS AND RTU EVAPORATOR FANS OPERATING. THE POSITIVE BUILDING AIR FLOW REQUIREMENT MUST NOT BE REDUCED. ADJUST RTU OUTSIDE AIR QUANTITIES AS REQUIRED TO PROVIDE MIN. POSITIVE PRESSURE AS INDICATED.

15. ALL DIFFUSERS SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH VAPOR BARRIER PERMANENTLY ATTACHED TO THE DIFFUSER. DIFFUSERS SHALL BE INSTALLED WITH CONTRACTOR SUPPLIED SQUARE TO ROUND TRANSITIONS WHERE REQUIRED.

POWER & WIRING

16. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED (POWER) FIELD WIRING FOR PROPER OPERATION OF ALL MECHANICAL SYSTEMS (PER LANDLORD AND TENANT SCOPE).

MECHANICAL VENTILATION SCHEDULE								
SYSTEM	AREA	SEATS	VENT./EXHAUST REQ'D.	MIN. REQUIRED VENT. (CFM)	TOTAL REQUIRED VENT. (CFM)	PROVIDED VENT. (CFM)	MIN. REQUIRED EXHAUST (CFM)	PROVIDED EXHAUST (CFM)
RTU-1 & RTU-2	DINING AREA	23	SEE 2021 IMC CALCS	718	718	1,700	-	-
	RESTROOMS	-	SEE 2021 IMC CALCS	-			140	150
RTU-3	KITCHEN	-	SEE 2021 IMC CALCS	386	386	1,000	793	4,305
TOTALS		23		1,103	1,103	2,700	933	4,455

LHMT Project No. 23047.00

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NATIONAL RESTAURANT DESIGNERS

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STATE OF LOUISIANA

NELSON RAY HORTON JR.

REG. NO. 29264

REGISTERED PROFESSIONAL ENGINEER

IN MECHANICAL ENGINEERING

7/7/23

PROJECT: **HIGHWAY 55**
32 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: MECHANICAL SCHEDULES AND NOTES

Revisions

THRU ADDENDUM	"D"
11/21/2022	

PROJECT DATE
06/29/2023

Drawn By
RJB

Checked By
NRT

Sheet No.
M601

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_6196\W701.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:56pm

DIVISION 15 — MECHANICAL

SECTION 15500 — HEATING, VENTILATING, AND AIR CONDITIONING

1.

Work included under this Division consists of providing everything required to construct and install a complete and proper operating mechanical systems as specified, indicated and elsewhere required.
2.

Materials shall bear Underwriter's Label where such standards have been established and listed by Underwriter's Laboratories, inc.
3.

Materials, equipment, and appliances shall conform to latest industry standards.
4.

Installation shall be in accordance with all applicable codes and regulations enforced by local authorities. In the event of no local authority, current national codes shall govern.
5.

Use extreme care in the installation of equipment to insure that noise and vibration are held to an absolute minimum. Correct objectional noise and vibration. Provide vibration eliminators required for proper results.
6.

Cost for all fees, permits, tests, and inspections shall be paid for by the Mechanical Contractor.
7.

Make known arrangement of work and check arrangement and location of other trades to avoid conflicts. Examine drawings of other trades to determine exact equipment locations for rough in.
8.

Mechanical Contractor shall provide to the Tenant all operation and maintenance manuals in two (2) copies. Contractor shall instruct the Owner or Franchisee OR the Owner's or Franchisee's representative in the operation of all equipment.
9.

Notify the General Contractor 24 hours in advance when piping or equipment is to be tested, before piping is insulated or concealed, and before trenches are backfilled. Failing to comply, Contractor shall uncover and retest lines, repairing any damage to other Contractor's work as well as his own.
10.

Before requesting final payment, inspect installation to assure that work is complete and requirements of contract have been fulfilled.
11.

The Mechanical Contractor shall do cutting and patching required for installation of work. Do no more cutting than is necessary. Cutting of structural members will not be permitted.
12.

Rooftop heating and cooling units shall be self-contained and designed, constructed, rated, and tested in accordance with ARI Standard 210. Units shall be by Trane or Lennox or Carrier as alternate.

A.

Unit enclosures shall be steel with factory applied corrosion and weather resistant finish. Provide gasketed removable panels or access doors for access to all internal parts. All joints shall be air and water tight. Enclosure shall be insulated in all areas of contact with conditioned or return air streams.

B.

Compressors shall be of the hermetic type and shall be complete with internal thermal and overload protection in each leg, crankcase heaters, and service valves. For 10 ton units and above, controls shall consist of low pressure cutout, high pressure cutout, and high pressure relief. Magnetic contractors for compressor motors shall be located in unit control panel. Provide standard one (1) year parts, five (5) year compressor and one (1) year Mechanical Contractor labor warranty.

C.

Condenser coil shall consist of non-ferrous tubing with mechanically bonded aluminum fins.

D.

Condenser fans shall be propeller type. Fan motors shall have thermos and over-current protection. Magnetic contractors for fan motors shall be located in unit control panel.

E.

Evaporator Coils shall consist of copper tubing with aluminum fins mechanically bonded to tubes. Coils shall be provided with liquid line dryer.

F.

Supply air fan shall be of the belt driven centrifugal type, with forward curved blades. Fan shall be statically and dynamically balanced at the factory. Fan shall not pass through first critical speed of cataloged RPM's. Magnetic contractors for fan motor shall be located in unit control panel. Provide controls to prove fan operation before heating or cooling can be energized. These controls shall also shut off heating or cooling in event of low air flow.

G.

Provide drain pan under cooling coil of adequate size to catch all coil condensate. Pan shall be zinc coated steel with heavy coat of insulating sealer. Provide pan with drain line connection and galvanized threaded trap. Provide auxiliary drain with float switch for unit deactivation.

H.

Heating section shall consist of two (2) stage gas fired heat exchanger complete with required gas valves, gas piping, factory wiring, and combustion fan. Provide minimum ten (10) year non-prorated heat exchanger warranty. Provide manual reset high limit protection for heating section acting through independent and separate contractors. Pilot shall be of the solid state electronic intermittent type. Provide power induced, combustion air purge air. Induced draft fan to run during pilot operation also.

I.

Filters in units shall be 2 inch thick, low velocity, glass fiber throw-away type in commercially available sizes.

J.

Electrical connections: Electrical disconnect shall be provided by Electrical Contractor. Electrical Contractor shall provide/install circuit conductors from panel to disconnect.

K.

See Corporate Vendor List on this sheet for contact & address.

13.

Kitchen exhaust hoods, supply fans, exhaust fans, prefabricated curbs, and control boxes shall be supplied by the Tenant. All equipment shall be installed by the mechanical contractor. Fire suppression piping, nozzles and fusible links pre-piped with the hood for an Ansul R-102 restaurant fire suppression system shall also be supplied by the Tenant. The mechanical contractor shall employ a fire suppression subcontractor for installation of items external to the hoods and who will be responsible for the complete installation and certification of the suppression system. EC shall provide line voltage to equipment as required on plan.

Fire suppression sub-contractor shall furnish field items external to the hood in quantities shown on the plans and be responsible for the complete installation and certification of the suppression system.

SECTION 15500 — HEATING, VENTILATING, AND AIR CONDITIONING (continued)

14.

Sheetmetal

A.

Heating and air conditioning ductwork shall be constructed of galvanized sheet steel gauges and assembly as recommended by SMACNA.

B.

Exhaust ductwork for the kitchen exhaust hoods #1,2: Factory built round grease duct provided by the Tenant, installed by MC. Product meets listing to UL-1978, duct wall construction to be 0.036" or 0.047" thick stainless steel. Grease duct joints shall be connected by formed vee clamps and sealed with 3M fire barrier 2000+ per manufacturer's requirements. Duct supports shall be per manufacturer's requirements. Exhaust duct sized to provide velocity of 1500 FPM min.

C.

Type of connections, bracing, construction, etc., shall be in accordance with the latest edition of the ASHRAE Guide. Ducts shall be substantially air tight.

15.

Fire dampers shall meet or exceed NFPA, Bulletin 90A specifications. Install in fresh air intake where required by local code.

16.

Back draft dampers shall be installed in exhaust air duct at fans as required by local code.

17.

Grilles, registers, and diffusers shall be manufactured of extruded aluminum and shall be furnished in colors noted in schedule. Units shall be as manufactured by Metal-Aire, Nailor, or Titus. Units shall be lay-in ceiling units unless noted otherwise.

A.

Paint flat black all visible sheet metal behind grilles, registers and diffusers.

18.

Insulated low pressure flexible duct shall be a factory fabricated assembly consisting of a zinc-coated spring steel helix, non-perforated inner liner, wrapped with a fiberglass insulation. The assembly shall be sheathed in a vapor barrier jacket, factory sealed at both ends of each section. The composite assembly including insulation and vapor barrier shall meet the Class I requirements of NFPA Bulletin No. 90A and be U.L. labeled. The "R" value measured at 75 degrees F shall be 5.5 or greater per ASTM C177-71.

A.

Install duct in a fully extended condition free of sags and kinks, using only the minimum length required to make the connection. Where horizontal support is required, flexible duct shall be suspended on 36 inch centers with a minimum 3/4" wide flat banding materials. All joints and connections shall be made with 1/2" positive locking steel straps.

19.

Insulation

Insulation shall be Certainteed, Johns-Manville, Owens-Corning, or equal, applied by Contractor or manufacturer's representative regularly engaged in the application of insulation. Insulation shall be a minimum of 2" thick, 3/4 pound density or 1" thick, 1 1/2 pound density, with a vapor barrier having a maximum permance of 0.05 perms or aluminum foil having a minimum thickness of 2 mils. R-value shall be 5.0 minimum.

B.

All insulation materials, coatings and other accessories shall have a fire hazard rating not to exceed 25 for flame spread, 50 for fuel contribution, and 50 for smoke developed; materials shall not produce flaming droplets when subjected to fire. All products or their cartons shall bear label indicating conformance to the above requirements.

C.

Round duct (if required) shall be externally insulated with 1 inch thick flexible blanket with an integral vapor barrier. "R" value shall be a 6.0 minimum.

D.

All refrigerant lines shall be insulated with 1/2 inch Aerotube.

20.

Calibration Test Balancing

A.

A completely installed, operating, and balanced system is the responsibility of the Mechanical Contractor. Listed below is the division of specific tasks.

B.

Mechanical Contractor shall do the following:

1)

Set HVAC units to RPM and amp draws listed on setup sheet.

2)

Check and set HVAC evaporator fans for proper rotation.

3)

Connect HVAC transformers to proper voltage taps.

4)

Install thermostats and check for proper operation.

5)

Install and check all diffusers for proper locations and throw pattern.

6)

Verify that the exhaust hood fans are properly interlocked with the correct make-up air fans and appliances.

7)

Set exhaust and make-up air fans to RPM values listed on setup sheet.

8)

Adjust exhaust and make-up air fans for proper rotation.

9)

Verify that hood exhaust filters are installed properly.

10)

Verify that the non-heated make-up air ducts have dampers to each hood opening.

11)

Verify that each supply run has its dampers open and locked.

12)

Verify that each fan has the proper voltage present at the motor.

13)

MC shall coordinate with RTU manufacturer for commissioning as called for on the plan.

C.

Certified Air Balance Agency shall do the following:

1)

Inspect for proper fan installation.

2)

Check for proper exhaust fan operation.

3)

Check for air flow from each diffuser.

4)

Check thermostat for proper functional operation.

5)

Check rooftop unit for proper thermostat connections, voltage taps and outside air interconnect.

6)

Measure amperage and RPM of each HVAC unit. (Direct the mechanical contractor to adjust pulleys to proper values to obtain desire results).

7)

Check the speed tap for the restroom exhaust fan and direct the mechanical contractor to adjust as required.

8)

Measure the restroom exhaust and supply diffusers and adjust the volumes near the values listed on the drawings.

9)

Measure the main exhaust hood fan volumes and direct the Mechanical Contractor in the adjustment of the fans to obtain values near those listed on drawings.

10)

Measure the main exhaust hood fan volumes and direct the Mechanical Contractor in the adjustment of the fans to obtain values near those listed on the drawings.

11)

Complete installation inspection.

12)

Measure supply air volumes from each HVAC unit with a flow hood, adjusting values to desired values.

13)

Smoke hoods for capture ability.

D.

For hood test and balance services and reports, contact: CaptiveAire, Raleigh, North Carolina, Phone: (919) 757-2820.

LHMT Project No. 23047.00

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NATIONAL RESTAURANT DESIGNERS

A DIVISION OF LHMT ASSOCIATES

7208 ACC BLVD, 2ND FLOOR,

RALEIGH, NC 27607

Phone: 919.244.0087 Fax: 919.544.9399

STATE OF LOUISIANA

REG. NO. 2858

NELSON RAY HORTON JR.

REGISTERED PROFESSIONAL ENGINEER

MECHANICAL ENGINEERING

IN

7/7/23

PROJECT: **HIGHWAY 55**

3.2 PROTOTYPE

3236 HWY 190

HAMMOND, LA 70401

DRAWING: MECHANICAL SPECIFICATIONS

Revisions

THRU ADDENDUM "D"

11/21/2022

PROJECT DATE

06/29/2023

Drawn By

RJB

Checked By

NRT

Sheet No.

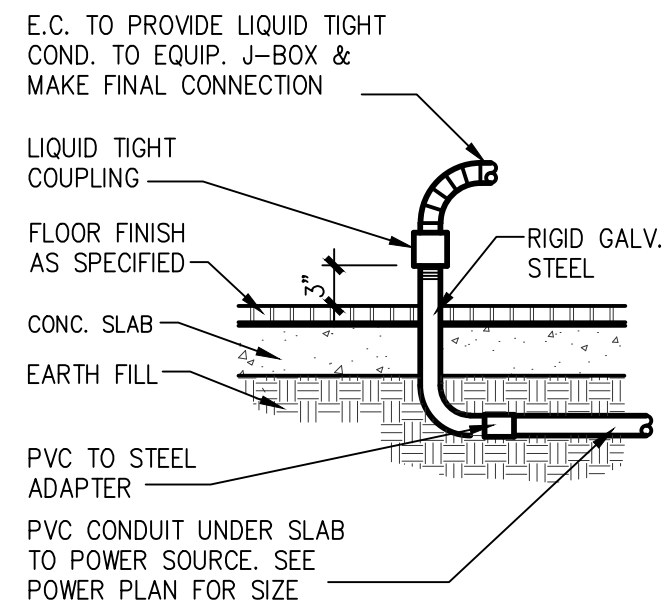
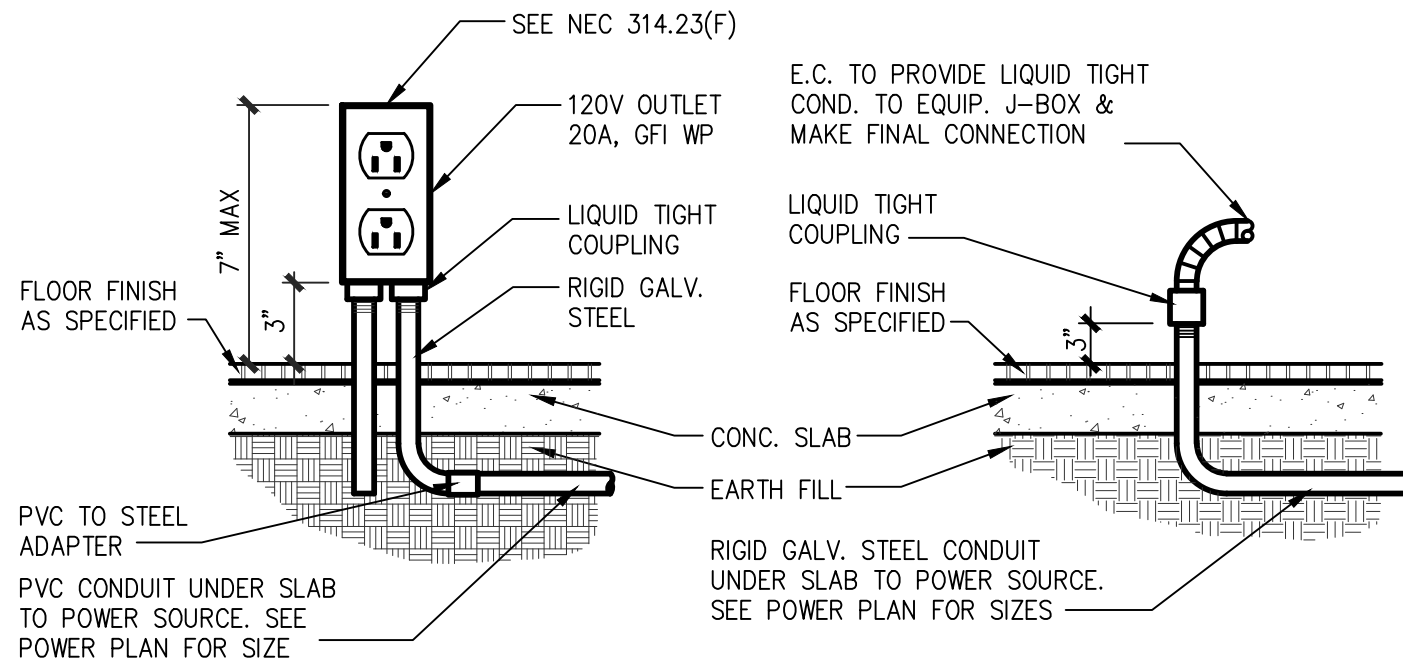
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GENERAL NOTES

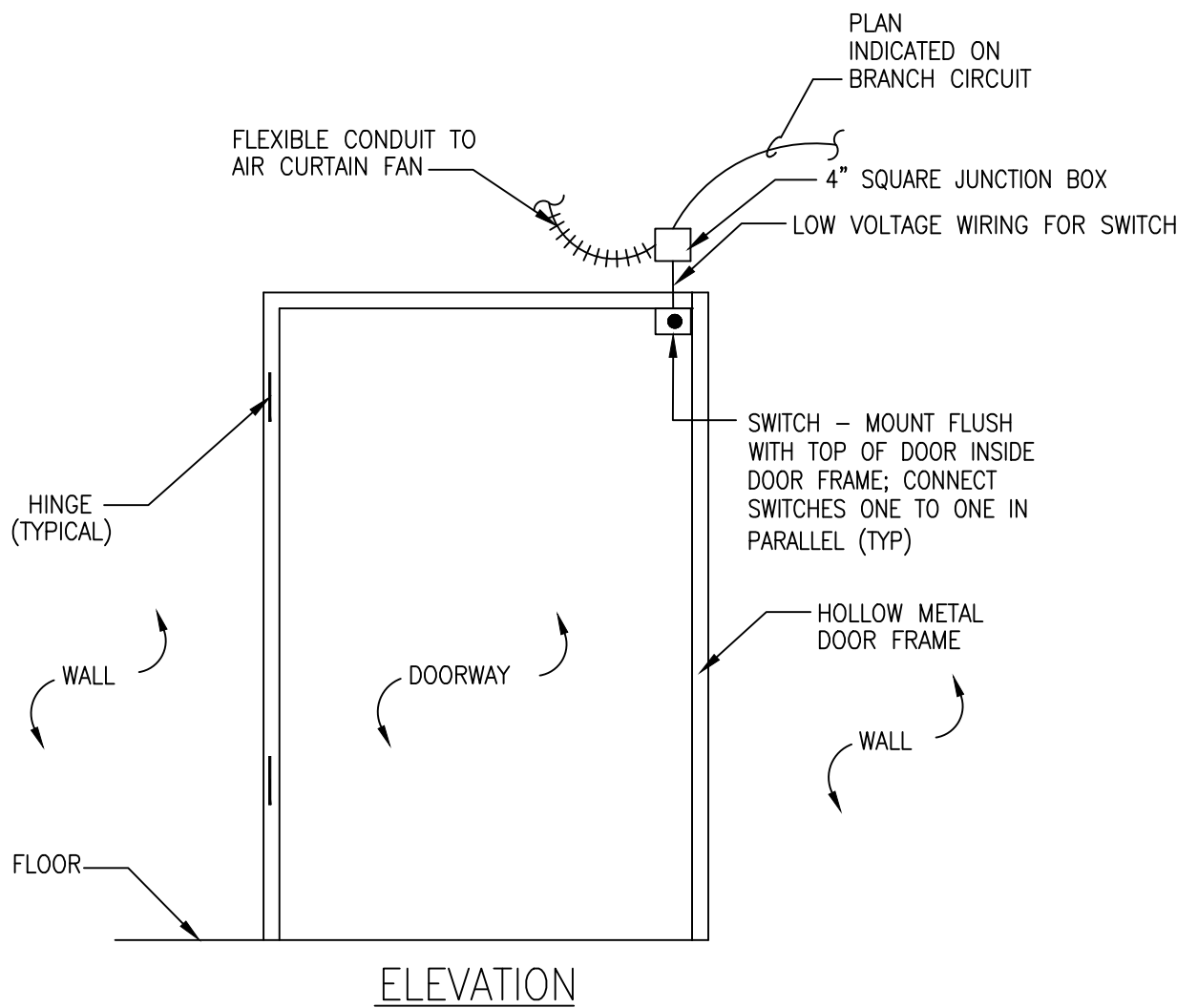
- ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE LL'S/TENANT'S REPRESENTATIVE, THE DESIGN ENGINEER, AND THE LOCAL INSPECTOR. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE LL'S/TENANT'S REPRESENTATIVE OR THE DESIGN ENGINEER. ANY UNAPPROVED DEVIATION FROM THE DESIGN PLANS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR, CONTRACTOR SHALL INSTALL COMPLETE AND WORKING SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS.
2. ALL BRANCH CIRCUITS SHALL BE IN ZINC-COATED EMT OR RIGID CONDUIT AS PERMITTED BY THE NATIONAL ELECTRICAL CODE. MC CABLE IS APPROVED. HOWEVER, ALL WIRING EXPOSED TO CUSTOMER VIEW SHALL BE IN EMT OR RIGID CONDUIT. SCHEDULE 40 PVC CONDUIT IS APPROVED FOR SECONDARY UNDERGROUND SERVICE, UNDERGROUND TELEPHONE SERVICE, INCLUDING TELEPHONE BRANCH CIRCUIT CONDUIT LOCATED BELOW SLAB-ON-GRADE, BURIED ON BUILDING EXTERIOR, OR IN CONCRETE BLOCK WALLS. ALL CONDUIT SHALL BE 1/2" MINIMUM SIZE.
3. ALL CONDUCTORS SHALL BE COPPER, THHN/THWN, UNLESS OTHERWISE NOTED.
4. EC SHALL REVIEW "Q" SHEETS FOR ALL EQUIPMENT CONNECTION REQUIREMENTS. ALL EQUIPMENT LOADS SHALL BE VERIFIED BEFORE EQUIPMENT AND/OR CIRCUIT INSTALLATION. VERIFY LOCATION OF ALL FLOOR OUTLETS BEFORE INSTALLATION.
5. E.M.T. FITTINGS SHALL BE HEXAGONAL ALL STEEL COMPRESSION TYPE.
6. THROUGH-OUT THESE SHEETS, REFERENCES TO CONDUIT/CONDUCTOR FILL ARE BASED ON E.M.T. TYPE CONDUIT AND THHN/THWN TYPE CONDUCTOR. FOR ANY OTHER TYPE MATERIALS, EC SHALL ADJUST CONDUCTOR FILL/CONDUIT SIZE TO REMAIN FULLY COMPLIANT WITH NEC.
7. RECEPTACLES SHALL BE WHITE WITH WHITE PLATES; BRYANT, HUBBELL, LEVITON BRANDS EXCEPT AS OTHERWISE SPECIFIED.
8. ELECTRICAL COVER PLATES IN ALL KITCHEN AND SERVING AREAS SHALL BE STAINLESS STEEL.
9. ALL WALL OUTLET BOXES SHALL BE STEEL CITY OR RACO.
10. MOUNT ALL RECEPTACLES 18" ABOVE FINISHED FLOOR TO CENTER OF BOX UNLESS OTHERWISE NOTED.
11. DUPLEX AND DOUBLE DUPLEX RECEPTACLES FOR P.O.S. SYSTEM (ISOLATED GROUND RECEPTACLES) SHALL NOT SHARE CONDUIT WITH ANY "NORMAL POWER" DEVICES. ISOLATED GROUND RECEPTACLES SHALL BE "ORANGE" IN COLOR.
12. EXHAUST FAN WIRING AND CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
13. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 3/4" CONDUIT FOR ALL THERMOSTATS AND TELEPHONE OUTLETS, UNLESS OTHERWISE NOTED OR INSTRUCTED.
14. WHERE THE LENGTH OF ANY 120 VOLT BRANCH CIRCUIT EXCEEDS 50 FEET, CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #10 TO THE FIRST OUTLET. WHERE THE LENGTH OF ANY 120 VOLT BRANCH CIRCUIT EXCEEDS 100 FEET, CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #8 TO THE FIRST OUTLET.
15. ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR APPROVED FLOOR PLAN AND DIMENSIONS. DO NOT SCALE FROM THE ELECTRICAL DRAWINGS. ANY INCORRECT WORK DUE TO SCALING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
16. INSTALL CONDUITS AND WIRING FOR YARD LIGHTS, BUILDING SIGNS, AND POLE SIGNS AS SHOWN ON THE SITE PLAN. COORDINATE VOLTAGE DROP AS REQUIRED. EC SHALL CONFIRM THAT THE TRENCHES PROVIDED CONFORM WITH NEC 300.5 BEFORE LAYING ANY CONDUIT.
17. MECHANICAL CONTROL WIRING IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. MC SHALL MAKE ALL FINAL CONNECTIONS. SEE MECHANICAL PLANS FOR PROPER OPERATIONAL SEQUENCES AND COORDINATE WORK WITH THE HOOD CONTRACTOR.
18. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL ELECTRICAL DEVICES, I.E., OUTLETS, JUNCTION BOXES, DISCONNECTS, AND HOOD LIGHTS, ETC. UNDER EACH KITCHEN GREASE EXHAUST HOOD TO SHUNT THE CIRCUIT BREAKERS CONTROLLED BY THE HOOD FIRE PROTECTION SYSTEM SO THAT WHEN THE FIRE PROTECTION SYSTEM IS ACTIVATED ALL ELECTRICAL DEVICES UNDER HOOD WILL BE DE-ENERGIZED. EMERGENCY GAS VALVE (ELECTRICALLY OPERATED) SHALL ALSO BE CLOSED WHEN FIRE PROTECTION SYSTEM IS ACTIVATED IN ORDER TO ISOLATE GAS SUPPLY TO APPLIANCES UNDER THE HOOD. SEE "P" SHEETS.
19. JUNCTION BOXES: 4" x 2 1/8" OCTAGONAL OR 4" x 1 1/2" SQUARE MIN. USE 4" x 2 1/8" SQUARE WHERE 3 OR 4 LIGHTING FIXTURE WHIPS ARE SPLICED INTO ONE BOX, REC/SWITCH GANG BOXES SHALL BE 3 1/2" DEEP.
20. MINIMUM CIRCUIT SIZE SHALL BE (2) #12, (1) #12 GRD., 1/2" CONDUIT - UNLESS NOTED OTHERWISE.
21. EC SHALL COORDINATE ALL REQUIREMENTS OF SOUND SYSTEM WITH LL/TENANT AND SYSTEM VENDOR.
22. CIRCUITS SHOWN ARE DIAGRAMMATIC. EC SHALL DETERMINE THE MOST EFFICIENT ROUTING OF CONDUIT IN FIELD.
23. WALL SWITCHES WILL CONTROL CIRCUIT NUMBER AS SHOWN UNLESS NOTED OTHERWISE, SEE LIGHTING PLAN, AND "SWITCH BANK ELEVATIONS".
24. LIGHTING FIXTURES IN AREAS WHERE FOOD IS PREPARED, OPEN FOOD IS STORED, OR WHERE UTENSILS ARE CLEANED SHALL HAVE A SHATTERPROOF LENS AND BE READILY CLEANABLE.
25. LIGHTING INTENSITY SHALL NOT BE LESS THAN 50 FOOT CANDLES AT ALL FOOD PREP AND SERVING SURFACES AND AT ANY SURFACE WHERE A FOOD EMPLOYEE IS WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR. EC SHALL VERIFY PRIOR TO HEALTH DEPARTMENT INSPECTION.
26. DRY FOOD STORAGE AND WALK-IN REFRIGERATION STORAGE SHALL NOT BE LESS THAN 10 FOOT CANDLES, AT +30" ABOVE FLOOR.
27. LIGHTING INTENSITY SHALL NOT BE LESS THAN 20 FOOTCANDLES:
 - A. AT A SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVE SUCH AS BUFFETS AND SALAD BARS OR WHERE FRESH PRODUCE OR PACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION;
 - B. INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS;
 - C. AT A DISTANCE OF THIRTY INCHES ABOVE THE FLOOR IN AREAS USED FOR HANDWASHING, WAREWASHING, EQUIPMENT AND UTENSIL STORAGE, AND IN TOILET ROOMS.
29. DUCTWORK, CONDUIT AND PIPING IN EXPOSED CEILING PUBLIC AREAS SHALL BE INSTALLED BETWEEN TRUSSES OR THROUGH TRUSSES WITH ALL ITEMS LOCATED ABOVE THE BOTTOM OF THE STRUCTURE UNLESS OTHERWISE NOTED ON THE PLAN.
30. ALL WIRING IN ASSEMBLY AREAS SHALL CONFORM TO NEC 518.
31. ALL EXPOSED CONDUIT SHALL BE INSTALLED AT LEAST 6" OFF THE FLOOR AND 2" AWAY FROM THE WALL TO FACILITATE CLEANING.
32. EC SHALL PROVIDE LL/TENANT WITH COMPLETE SET OF ELECTRICAL AS-BUILT DRAWINGS SHOWING ALL DEVIATIONS FROM ORIGINAL DESIGN WITHIN 30 DAYS OF ACCEPTANCE.
33. EC SHALL PROVIDE LL/TENANT WITH OPERATIONS & MAINTENANCE MANUAL(S) FOR ALL ELECTRICAL SYSTEMS AND EQUIPMENT WITHIN 30 DAYS OF ACCEPTANCE.
34. EC SHALL TEST ALL LIGHTING SYSTEMS TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION.
35. EC SHALL KEEP OVERHEAD CONDUIT HIGH TO REDUCE CONFLICTS WITH DUCTWORK.

ELECTRICAL LEGEND

- | | |
|---|---|
|  | DUPLEX WALL RECEPTACLE – 120/1P, 20 AMP RATED |
|  | SIMPLEX RECEPTACLE – 120/1P, 20 AMP RATED |
|  | 208V RATED – 1 PHASE OR 3 PHASE RECEPTACLE TO MATCH EQUIPMENT SERVED. |
|  | ISOLATED GROUND RECEPTACLE, OPPOSITE FACE. |
|  | DUPLEX WALL RECEPTACLE W/ TWO USB CHARGING PORTS – 120/1P, 20 AMP RATED |
|  | JUNCTION BOX, SIZE AND USE AS REQUIRED; COVER PLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING. |
|  | QUAD WALL RECEPTACLE – 120/1P, 20 AMP RATED |
|  | CEILING MOUNTED DUPLEX RECEPTACLE – 120/1P, 20 AMP RATED |
|  | CEILING MOUNTED QUAD RECEPTACLE – 120/1P, 20 AMP RATED |
|  | POWER DROP TO EQUIPMENT. EC SHALL VERIFY REQUIREMENTS PER EQUIPMENT. |
|  | FUSED DISCONNECT SWITCH, HEAVY DUTY "HP" RATED, PROVIDE WEATHERPROOF COVER OUTDOORS. |
|  | DATA WALL OUTLET – RUN 3/4" EMT TO ACCESSIBLE POINT ABOVE CEILING. PROVIDE PULL WIRE. |
|  | SPECIAL RECEPTACLE TO MATCH EQUIPMENT SERVED. |
|  | DOOR BELL WITH TRANSFORMER. |
|  | MOTOR RATED SWITCH |
|  | ANALOG TIMER |
|  | DOOR BELL PUSH BUTTON |
|  | HOOD ANNUNCIATOR/UNCUTOR – AUDIO AND VISUAL ALARM |
|  | HOME RUNS TO PANEL |
|  | CONDUIT – EXPOSED OR CONCEALED IN WALL |
|  | CONDUIT BELOW SLAB |
| GFI | GROUND FAULT CIRCUIT INTERRUPTER |
| EC | ELECTRICAL CONTRACTOR |
| MC | MECHANICAL CONTRACTOR |
| PC | PLUMBING CONTRACTOR |
| WP | WEATHER PROOF |
| WR | WEATHER RESISTANT |
| CLG. | CEILING MOUNTED |
|  | SPEAKERS – FOR REFERENCE ONLY. PROVIDED AND INSTALLED BY VENDOR. |
|  | JUNCTION BOX, SIZE AND USE AS REQUIRED; COVER PLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING. |
|  | WALL SWITCH; SINGLE POLE UNLESS NOTED 3– OR 4–WAY; "P" INDICATES EQUIPPED WITH PILOT LIGHT TO INDICATE WHEN SWITCH IS ON; W.P. INDICATES WEATHERPROOF, "K" INDICATES KEY OPERATED SWITCH; +48" ABOVE FLOOR EXCEPT IN MASONRY WALLS WHERE HEIGHT SHALL BE ADJUSTED TO HAVE BOX EDGE OCCUR AT A MASONRY JOINT. "D" INDICATES "DIMMER". "OS" INDICATES "OCCUPANCY SENSOR" (LUTRON MAESTRO MS–OPS2–WH). |



1 CONDUIT STUB UP DETAIL
E000 SCALE: NTS



2 AIR CURTAIN SWITCH DETAIL
E000 SCALE: NTS

Revisions

THRU ADDENDUM "D"	
11/21/2022	
PROJECT DATE	
06/29/2023	
Drawn By	CD
Checked By	NRT
Sheet No.	

E000

ELECTRICAL SCHEDULE

- | ITEM | QTY. | DESCRIPTION | CIRCUIT # | VOLT | PHASE | AMPS | HP | ELECTRICAL REMARKS |
|------|------|--|--------------------|---------|-------|---------|-------|-----------------------------|
| 2 | 1 | 1-DOOR FREEZER | A-15 | 115 | 1 | 3.2 | 1/3 | |
| 3 | 4 | REFRIG. PREPBOX - 29"W | A-17/19/21/23 | 115 | 1 | 7 | 1/5 | |
| 4F | 1 | 3-BANK FRYER | A-51/A-53 | 120 | 1 | 1.0+8.0 | | |
| 6 | 2 | REFRIG. CHEFBASE - 48"W | A-27/A-29 | 115 | 1 | 5.4 | 1/5 | |
| 8A | 2 | WARMING STATION | A-31,33/A-35,37 | 120/208 | 1 | 14.2 | | NEMA L14-20P |
| 9A | 2 | WORKTOP FREEZER | A-39/A-41 | 115 | 1 | 5.7 | 1/3 | |
| 11 | 2 | STEAMER | B-35,37/B-39,41 | 208 | 1 | 15.9 | | NEMA 6-20P |
| 12 | 2 | COOKER/WARMER | B-29/B-34 | 120 | 1 | 15.0 | | |
| 13 | 2 | REFRIG. PREPBOX - 60"W - 5" CASTERS | A-16/A-25 | 115 | 1 | 4.0 | 1/4 | |
| 14A | 7 | MONITOR | B-1/B-3/B-30/B-25 | 120 | 1 | - | | |
| 14B | 5 | BUMPMBAR | B-1/B-3/B-30 | 120 | 1 | - | | |
| 14C | 9 | PRINTER | B-1/3/20/22 | 120 | 1 | - | | |
| 16 | 2 | HOOD SYSTEM | C-19 | 120 | 1 | - | | REFER TO HOOD SHOP DRAWINGS |
| 17 | 1 | REFRIG. PREPBOX - 36"W | B-14 | 115 | 1 | 2.0 | 1/6 | |
| 18 | 1 | REFRIG. PREPBOX | A-18 | 115 | 1 | 6.5 | 1/3 | |
| 19 | 2 | MIX-IN BLENDER | A-20/A-32 | 115 | 1 | 2.1 | 3/4 | |
| 20 | 1 | COOKER/WARMER | A-22 | 120 | 1 | 8.3 | | |
| 22 | 2 | DIPPING CABINET | B-2/B-28 | 115 | 1 | 1.4 | 1/8 | |
| 24 | 1 | FROZEN CUSTARD MACHINE | A-24,26 | 208 | 1 | 15.0 | 1 1/2 | NEMA 6-20P |
| 24T | 1 | OPTIONAL FROZEN CUSTARD MACHINE | A-43,45/47,49 | 208 | 1 | 24/22 | (2) 2 | (2) NEMA 6-30P |
| 26 | 2 | SODA MACHINE | B-4/B-6 | 120 | 1 | 1.0 | | |
| 28 | 1 | ELEC. JUICE DISPENSER | B-10 | 120 | 1 | 3.0 | | |
| 33 | 1 | COFFEE/TEA BREWER | B-8 | 120 | 1 | 14.0 | | |
| 33B | 1 | COFFEE BREWER | B-12 | 120 | 1 | 15 | | |
| 35 | 4 | POS. TERMINAL SYSTEM | B-20/B-22 | 120 | 1 | .37 | | |
| 35A | 1 | DROP SAFE - UNDERCOUNTER | A-30 | 120 | 1 | - | | |
| 35H | 1 | DT HEADSET BASE STATION | B-26 | 120 | 1 | 5.0 | | |
| 42 | 1 | MODULAR BIB RACK | B-33 | 120 | 1 | 1.5 | | |
| 46 | 2 | ICE MACHINE W/ FLAKER HEAD | C-11/C-13 | 115 | 1 | 11.8 | | |
| 47C | 1 | OUTSIDE WALK-IN COOLER (BUILT w/#47F) | C-39,41/C-38,40,42 | 208 | 3/1 | 5/2.9 | | |
| 47F | 1 | OUTSIDE WALK-IN FREEZER (BUILT w/#47C) | C-35,37/C-32,34,36 | 208 | 3/1 | 5/2.9 | | |
| 48 | 1 | 2-DOOR COOLER | B-16 | 115 | 1 | 9 | 1/2 | |
| 54 | 1 | TOASTER - 4 SLOT | A-36 | 120 | 1 | 15.0 | | |
| 55 | 1 | WATER FILTRATION SYS. w/BOOSTER PUMP | C-12 | 120 | 1 | 0.08 | | |
| 57 | 1 | CONVECTION OVEN W/TABLE | A-34 | 120 | 1 | 13.3 | | |
| 65 | 1 | OPTIONAL ELECTRIC 12" CLAMSHELL GRILL | A-38,40,42 | 208 | 3 | 26.2 | | |
| 65D | 1 | ELECTRIC 24" CLAMSHELL GRILL | A-44,46,48 | 208 | 3 | 50.8 | | |
| 89 | 2 | DEDICATED HOLDING CABINET | B-38/B-40 | 120 | 1 | 13.3 | | |
| 91 | 1 | AIR CURTAIN | C-10 | 120 | 1 | 5.1 | | |
| 92 | 2 | INSTANTANEOUS WATER HEATER PACKAGE | GE-23 | 120 | 1 | 59W | | |
| 99 | 2 | SERVI ROBOT | B-18 | 110 | 1 | 3.5 | | |

[illegible]

SHUNT TRIP WIRING DETAIL

EC SHALL PROVIDE GFI BREAKERS FOR ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50A OR LESS. FOR THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100A OR LESS IN THE KITCHEN AND SERVING AREAS TO COMPLY WITH NEC 210.8.B.2. EC SHALL NOT USE GFI OUTLETS, UNLESS OTHERWISE NOTED. COORDINATE WITH PANEL SCHEDULES.

E111

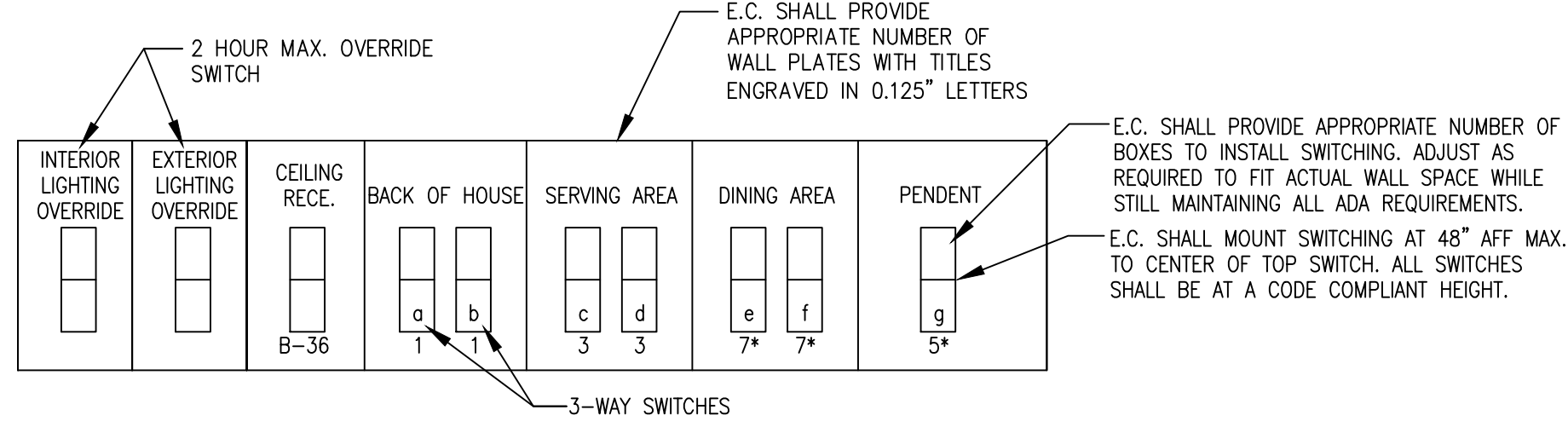
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Plotted Date: Jun 29, 2023 - 2:59pm

LUMINAIRE SCHEDULE

QTY	ID	DESCRIPTION	MAKE + MODEL	VOLTAGE	REQUIRED LAMPS NUMBER	TYPE	WATTS	MOUNTING	REMARKS
14	A	2X4 LED PANEL	HIGHLINE:PL2X4-D-UNV-50-30-90-WH-120	120	1	LED	50W	GRID	
26	B	2X2 LED PANEL	HIGHLINE:PL2X2-D-UNV-36-30-90-WH-120	120	1	LED	36W	GRID	
3	BE	2X2 LED PANEL	HIGHLINE:PL2X2-D-UNV-36-30-90-WH-120-EM15	120	1	LED	36W	GRID	WITH BATTERY BACK UP
12	C	CAN LIGHT	HIGHLINE:DUP65-D-UNV-28-30-90-BK-S	120	1	LED	28W	CEILING	WET LOCATION RATED
1	D	IN GROUND LIGHT	HIGHLINE:IG2600-ND-UNV-27-40-90-BZ-30	120	1	LED	27W	IN GROUND	WET LOCATION RATED
7	E1	WALL MTD EMERGENCY LIGHT	HIGHLINE:EM2200-ND-120-WH	120	2	INCLUDED	N/A	WALL	
3	EE	EXTERIOR EMERGENCY	HIGHLINE:EMOVAL-ND-UNV-ACEM-BK	120	2	INCLUDED	11W	WALL	
5	G	PENDANT	KICHLER: P5143-0930K9	120	1	LED	9W	PENDANT 6'-6" A.F.F.	
2	L	COOLER/FREEZER LIGHTS	WALK-IN MANUF.	120	1	LED	30W	CEILING	
2	M	1X4 LED LINEAR LIGHT	WALK-IN MANUF.	120	1	LED	32W	SURFACE	
1	X	EMERGENCY-EXIT COMBO	HIGHLINE:EXWEM2-ND-UNV-LED-RD-WH-NC	120	2	INCLUDED	N/A	WALL	
3	X2	SINGLE FACE EXIT SIGN	HIGHLINE:EXEDGE-ND-UNV-SF-RD-WH-NC	120	1	INCLUDED	N/A	CEILING	

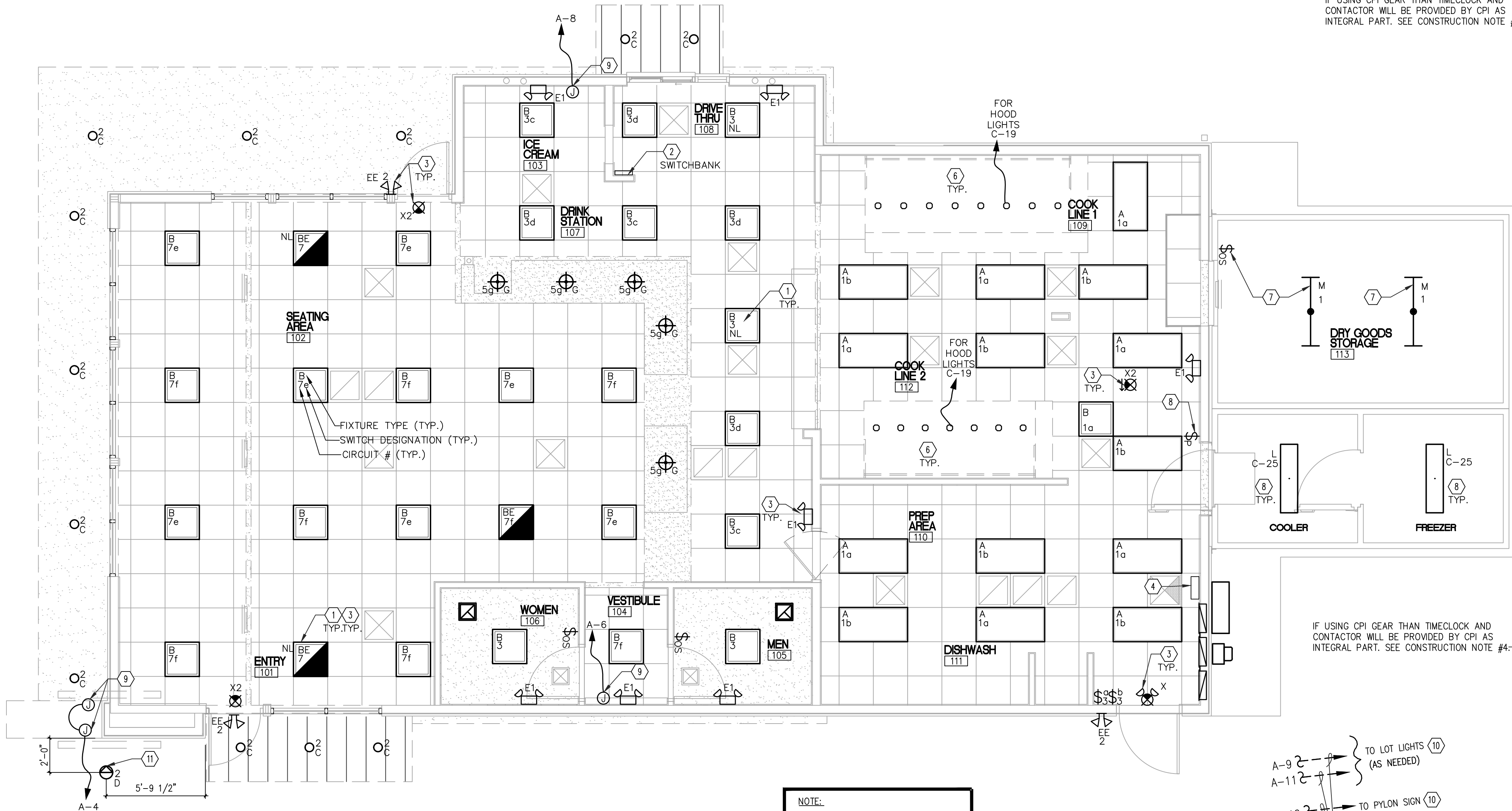
LIGHTING PACKAGE VENDORS CONTACTS:
CONTRACTOR CAN CONTACT BELOW VENDORS FOR PRICING AND VALUE ENGINEERING PACKAGES.

- HIGHLINE LED:
ABHISHEK RAKHASIYA, abhi@highlineled.com, 214-501-7100
- HERMITAGE LIGHTING:
SARA MOSSER, smosser@gohermitage.com, 615-843-3380
- CLI:
FRANK HALCOVICH, frank@commercial-lighting.net, 800-755-0155



2 SWITCHBANK DETAIL

SCALE: NONE

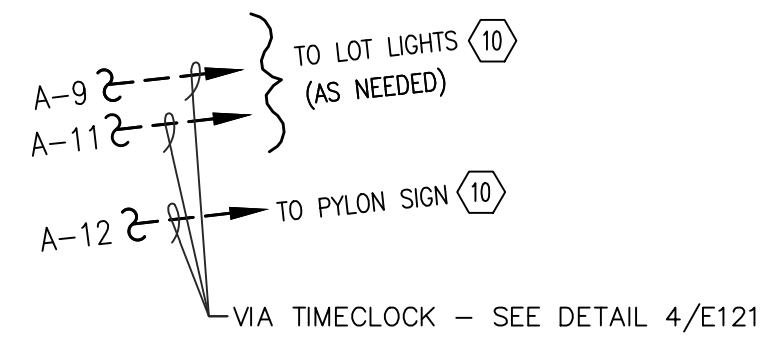
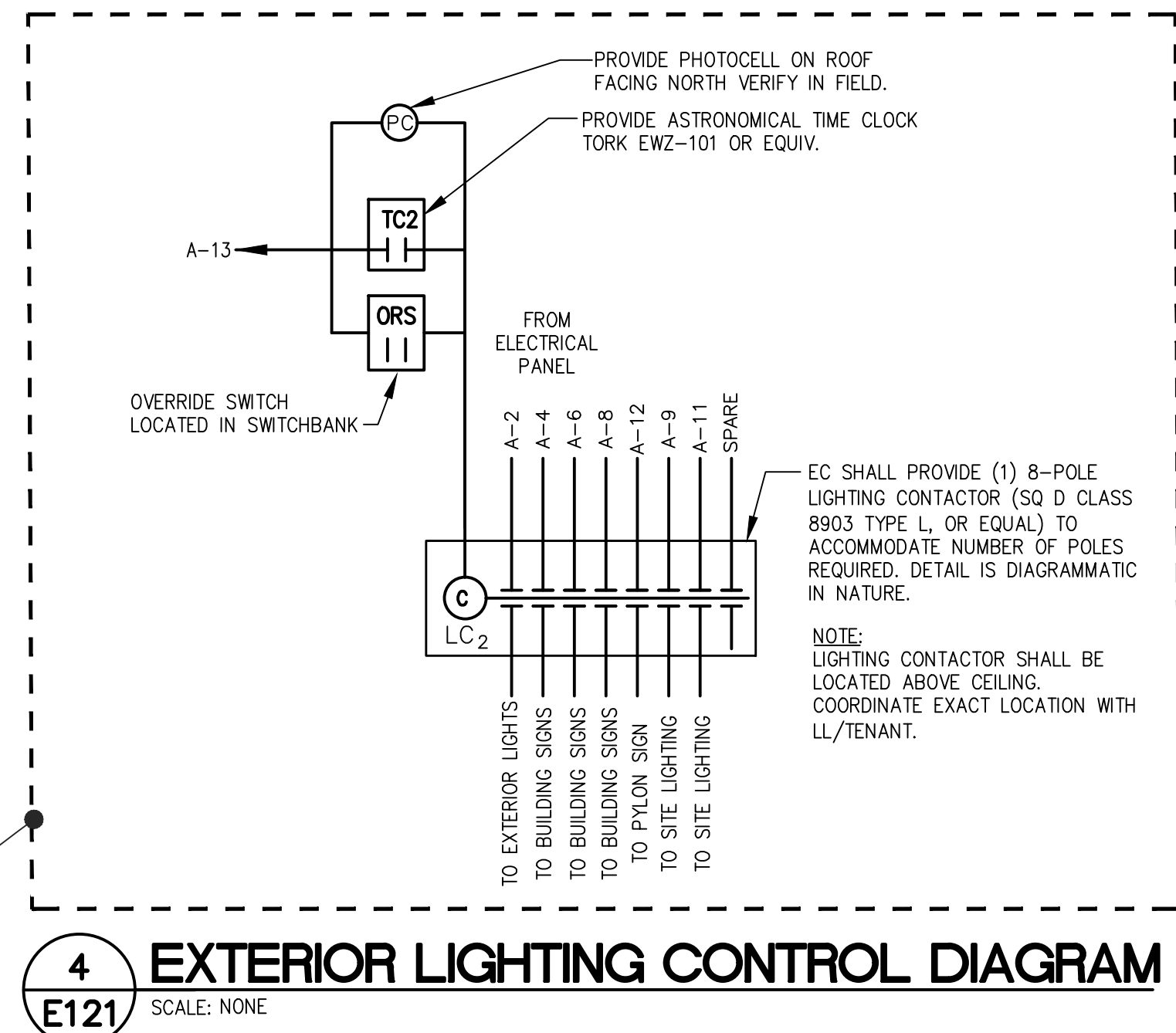
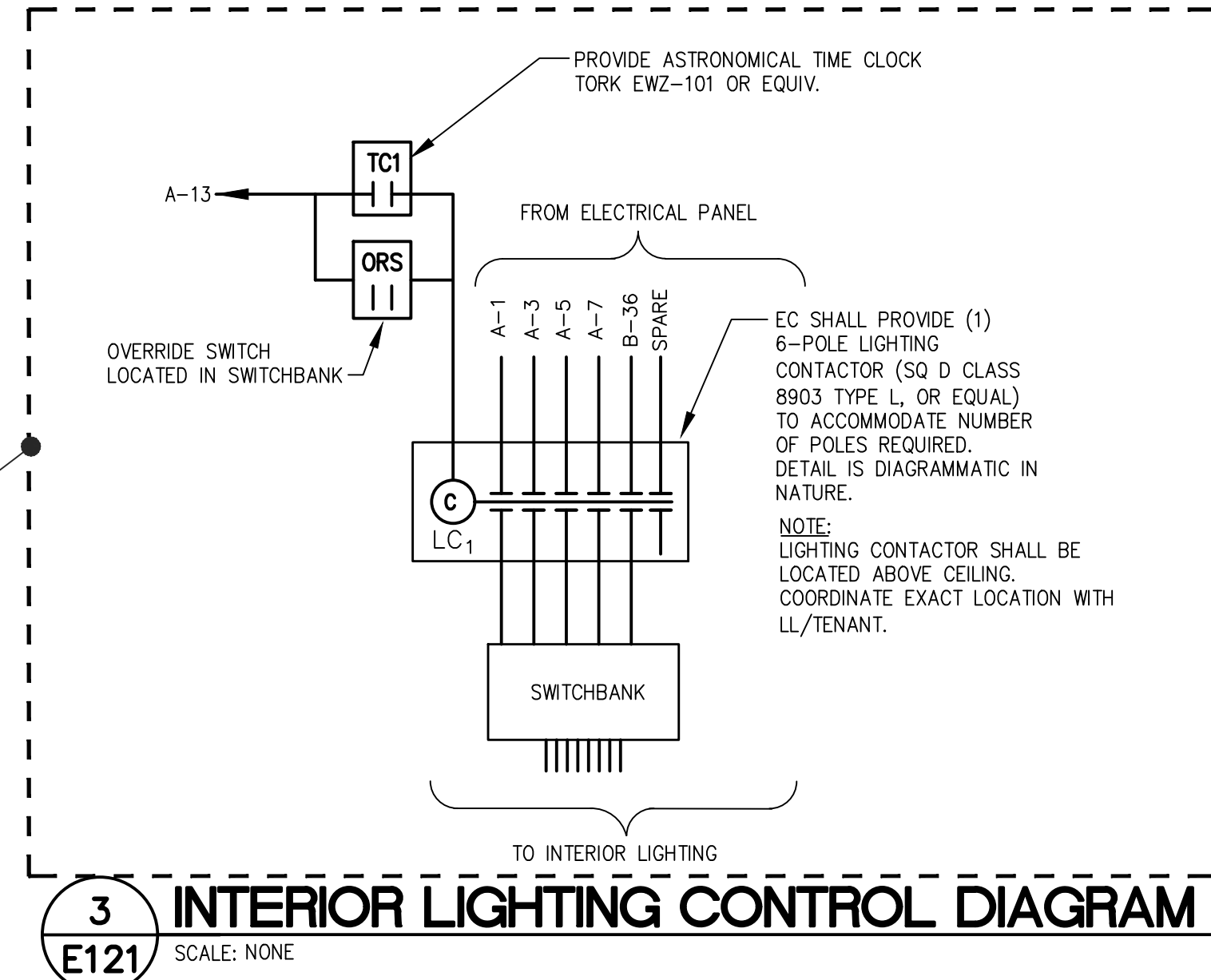


CONSTRUCTION NOTES

- FIXTURES INDICATED AS NIGHT LIGHTS (DESIGNATED "NL") SHALL BE CONNECTED TO THE LIGHTING CIRCUIT AHEAD OF ANY SWITCHING DEVICE (UNSWITCHED HOT) TO PROVIDE AN ALWAYS ON NIGHT LIGHT.
- EC SHALL LOCATE SWITCHBANK FOR LIGHTS AS SHOWN. SEE SWITCHBANK DETAIL 2/E121.
- CONNECT ALL EMERGENCY AND EXIT LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700.12F.
- IF NOT USING CPI GEAR THEN INSTALL ASTRONOMICAL TIME CLOCKS AND CONTACTORS AS SHOWN IN DETAILS 3/E121 AND 4/E121. THIS SHEET. IF USING CPI GEAR THEN LIGHTING CONTROLS WILL BE PROVIDED BY CPI AS INTEGRAL PART.
- NOT USED.
- HOOD LIGHT FIXTURES FURNISHED WITH HOOD. EC SHALL PROVIDE LAMPS. SEE HOOD CONTROL PANEL DETAILS ON "H" SHEETS FOR CIRCUITING HOOD LIGHTS.
- DRY STORAGE LIGHTS PROVIDED BY WALK-IN MANUFACTURER. EC SHALL PROVIDE POWER AND OCCUPANCY SENSOR SWITCH AS SHOWN.
- WALK-IN LIGHTS AND SWITCH PROVIDED BY WALK-IN MANUFACTURER. EC SHALL PROVIDE POWER AS SHOWN. COORDINATE EXACT REQUIREMENTS WITH WALK-IN MANUFACTURER.
- ELECTRICAL CONTRACTOR TO PROVIDE DIRECT ACCESSIBLE POWER FOR ALL ELECTRICAL SIGNAGE WITHIN 6'-0" OF THE SIGN LOCATION PROVIDE CONDUIT AND STUB THRU EXTERIOR WALL, J-BOX AND ANY REQUIRED O.C.P. COORDINATE LOCATION WITH FINAL SIGN PACKAGE PRIOR TO ROUGH-IN. EC SHALL COMBINE POWER SIGNAGES AT SAME WALL UNLESS PROVIDED SEPARATE POWER.
- SEE CIVIL SITE PLAN FOR LOCATION OF LOT LIGHTS AND PYLON SIGN. VERIFY VOLTAGE DROP IS 3% OR LOWER. DISCONNECT SWITCH FOR PYLON SIGN SHALL BE FURNISHED BY SIGN CONTRACTOR.
- IN GROUND MOUNTED FIXTURE. EC SHALL COORDINATE EXACT MOUNTING REQUIREMENTS WITH MANUFACTURER FOR INSTALLATION.

GENERAL NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LUMINAIRES.
- EACH LUMINAIRE SHALL BE SEPARATELY SUPPORTED FROM STRUCTURE BY OPPOSING CORNERS. DO NOT USE CONDUIT FOR SUPPORT OF EITHER FIXTURES OR BOXES.
- USE FLEXIBLE METALLIC CONDUIT (GREENFIELD) FOR CONNECTION OF LAY-IN FIXTURES.
- PROVIDE GROUND CONDUCTOR IN ALL CONDUIT RUNS (NOT ILLUSTRATED).
- VERIFY LOCATION OF WALL MOUNTED EMERGENCY LUMINAIRES TO AVOID CONFLICT WITH KITCHEN EQUIPMENTS.
- LIGHTING FIXTURES IN AREAS WHERE FOOD IS PREPARED, OPEN FOOD IS STORED, OR WHERE UTENSILS ARE CLEANED SHALL HAVE A SHATTERPROOF LENS AND BE READILY CLEANABLE.
- LIGHTING INTENSITY SHALL NOT BE LESS THAN 50 FOOT CANDLES AT A SURFACE WHERE A FOOD EMPLOYEE IS WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR.
- FOOD AND UTENSIL STORAGE ROOMS, REFRIGERATION STORAGE, AND TOILET ROOMS SHALL NOT BE LESS THAN 10 FOOT CANDLES, AT +30" ABOVE FLOOR.
- EC SHALL TEST ALL LIGHTING SYSTEMS TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION.



Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

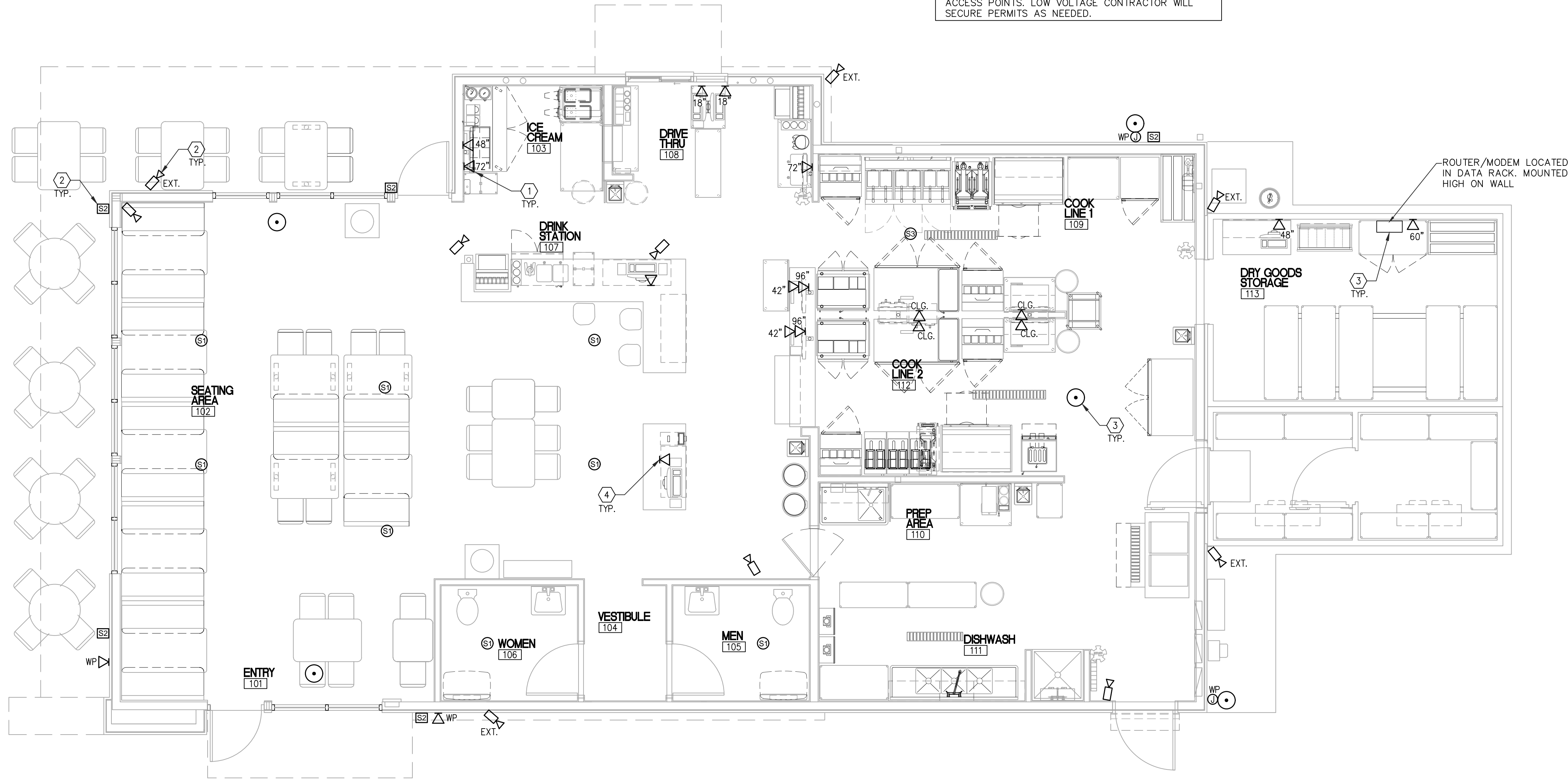
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Sheet No.

E121

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_6196\ET131.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 - 2:55pm



1 ELECTRICAL LOW VOLTAGE PLAN
E131 SCALE: 1/4" = 1'-0"

CONSTRUCTION NOTES

- 1 EC SHALL PROVIDE 2-GANG BOXES, EMPTY CONDUIT WITH PULL STRING UP TO THE CEILING FOR KITCHEN MONITORS, PRINTERS AND BUMPBAR. COORDINATE ROUGH-IN HEIGHTS AND EXACT REQUIREMENTS WITH LL/TENANT AND LL'S/TENANT'S VENDOR PRIOR TO ROUGH-IN.
- 2 EC SHALL PROVIDE AND INSTALL STUB THRU CONDUIT FROM EXTERIOR WALL FOR EXTERIOR SPEAKER AND SECURITY CAMERAS. VERIFY FINAL LOCATION AND REQUIREMENTS WITH LL/TENANT AND LL'S/TENANT'S VENDOR PRIOR TO ROUGH-IN.
- 3 EC SHALL PROVIDE AND INSTALL CONDUITS WITH PULL WIRE UP TO 6" ABOVE THE CEILING FROM MODEM LOCATION TO RUN LOW VOLTAGE CABLING TO POS AND ACCESS POINTS. VERIFY WITH IT CONTRACTOR FOR REQUIRED CONDUIT SIZE AND QUANTITY.
- 4 EC SHALL PROVIDE AND INSTALL STUB UP CONDUIT FROM NEAREST FULL HEIGHT WALL TO LOW HEIGHT WALL AT FRONT POS LOCATIONS. VERIFY FINAL LOCATION AND REQUIREMENTS WITH LL/TENANT AND LL'S/TENANT'S VENDOR PRIOR TO ROUGH-IN.

GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CONFIRM / COORDINATE LOCATIONS OF SECURITY CAMERAS, SPEAKERS AND WIRELESS ACCESS POINTS WITH LL/TENANT AND LL'S/TENANT'S VENDOR.
2. POS STATIONS AND I.T. EQUIPMENT INSTALLED BY LL'S/TENANT'S VENDOR- EC TO PROVIDE POWER/DATA OUTLETS AS REQUIRED.
3. EC SHALL PROVIDE REQUIRED J-BOX AND CONDUITS WITH PULL WIRE FOR LOW VOLTAGE CABLES AS REQUIRED FOR POS, KITCHEN MONITORS, SECURITY AND MUSIC SYSTEMS. COORDINATE EXACT REQUIREMENTS WITH LL'S/TENANT'S VENDOR..

LOW VOLTAGE SYSTEM LEGEND

SYMBOL	DESCRIPTION
⊙WP	WEATHER PROOF LOW VOLTAGE JUNCTION BOX
⊙	CEILING FLUSH MOUNT INTERIOR SPEAKER
⊙	DRIVE THRU COOKLINE SPEAKER
⊙	MUSIC SPEAKERS (EXTERIOR WALL MOUNTED)
□	ROUTER/MODEM LOCATION
⊙	ACCESS POINT
⊙	SECURITY CAMERA
EXT. ⊙	EXTERIOR SECURITY CAMERA
⊙	DATA WALL OUTLET - RUN 3/4" EMT TO ACCESSIBLE POINT ABOVE CEILING. PROVIDE PULL WIRE.

LMHT Project No. 23047.00

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A DIVISION OF LMHT ASSOCIATES
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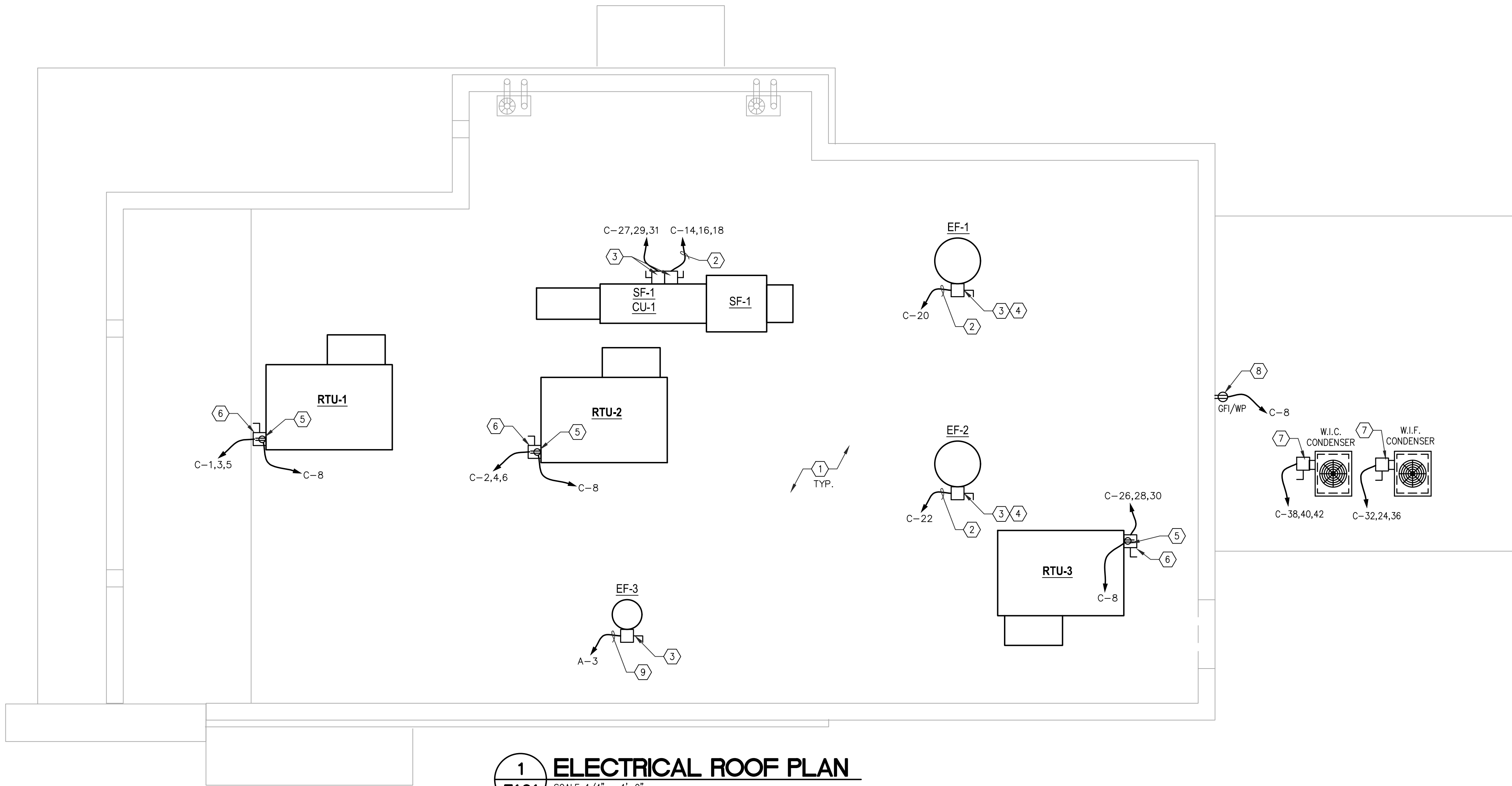


PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: ELECTRICAL LOW VOLTAGE PLAN

Revisions	
THRU ADDENDUM 11/21/2022	"D"
PROJECT DATE 06/29/2023	
Drawn By CD	
Checked By NRT	
Sheet No. E131	

Drawing File: C:\Users\chudson\AppData\Local\Temp\AcPublish_6196\E161.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 2:55pm



1
E161 **ELECTRICAL ROOF PLAN**
SCALE: 1/4" = 1'-0"

CONSTRUCTION NOTES

1. ALL ELECTRICAL CONDUITS PENETRATING ROOF SHALL GO THROUGH PITCH POCKETS INSTALLED BY GC. EC & GC SHALL COORDINATE. INSTALL PER ROOFING MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
2. CIRCUIT SHALL BE ROUTED THROUGH THE HOOD CONTROL PANEL, SEE MECHANICAL "M" SHEETS. COORDINATE W/ MC
3. DISCONNECT SWITCH FURNISHED WITH FAN BY HOOD CONTRACTOR.
4. EC SHALL PROVIDE A FLEX CONNECTION OF PROPER LENGTH TO ALLOW EXHAUST FAN TO REMOVE FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
5. WR/GFI RECEPTACLE IS FACTORY INSTALLED. EC SHALL CONNECT TO CIRCUIT AS SHOWN.
6. EC SHALL PROVIDE NEMA 3R SAFETY DISCONNECT SWITCHES PER NAMEPLATE DATA ALL RTU'S. COORDINATE W/ MC. AND GC
7. EC SHALL PROVIDE AND INSTALL NEMA-3R SAFETY DISCONNECT SWITCH FOR REMOTE CONDENSING UNIT. EC SHALL VERIFY REQUIREMENTS WITH WALK IN MANUFACTURER PRIOR TO ROUGH-IN.
8. EC SHALL PROVIDE AND INSTALL GFI/WP SERVICE RECEPTACLE ABOVE 18" OF FINISH WALK-IN ROOF. VERIFY IN FIELD.
9. RESTROOM EXHAUST FAN TO BE INTERLOCKED WITH RESTROOM OCCUPANCY SENSOR LIGHT SWITCHES SO FAN AND LIGHTS ARE ON WHEN EITHER OF RESTROOM IS OCCUPIED.

GENERAL NOTES

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL WORK SHOWN ON THE MECHANICAL DRAWINGS. (EXCEPT LOW VOLTAGE).
2. ROUTE ALL CONDUITS CONCEALED (INSIDE WALLS AND/OR ABOVE CEILING) WHERE POSSIBLE.
3. SEE MECHANICAL & PLUMBING ROOF PLANS FOR ADDITIONAL ROOF INFORMATION.
4. ALL ELECTRICAL CONDUITS PENETRATING THE ROOF SHALL GO THROUGH ROOF CONDUIT CURB INSTALLED BY GENERAL CONTRACTOR & ROOFING CONTRACTOR, EC SHALL COORDINATE. INSTALL PER ROOFING MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
5. ALL CONDUITS FOR ROOF TOP EQUIPMENT SHALL BE RUN BELOW ROOF DECK TO ELIMINATE TRIPPING HAZARDS AND AVOID DERATING CONDUCTORS FOR SOLAR HEATING. NEC 310.15(B)(5)(c).
6. MECHANICAL DESIGN IS BASED ON CAPTIVEAIRE SYSTEM. COORDINATE WITH EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR FOR HOOD PACKAGE PROVIDED. ADJUST POWER AND CONTROLS IF ACCUREX SYSTEM IS SELECTED.

LHMT Project No. 23047.00

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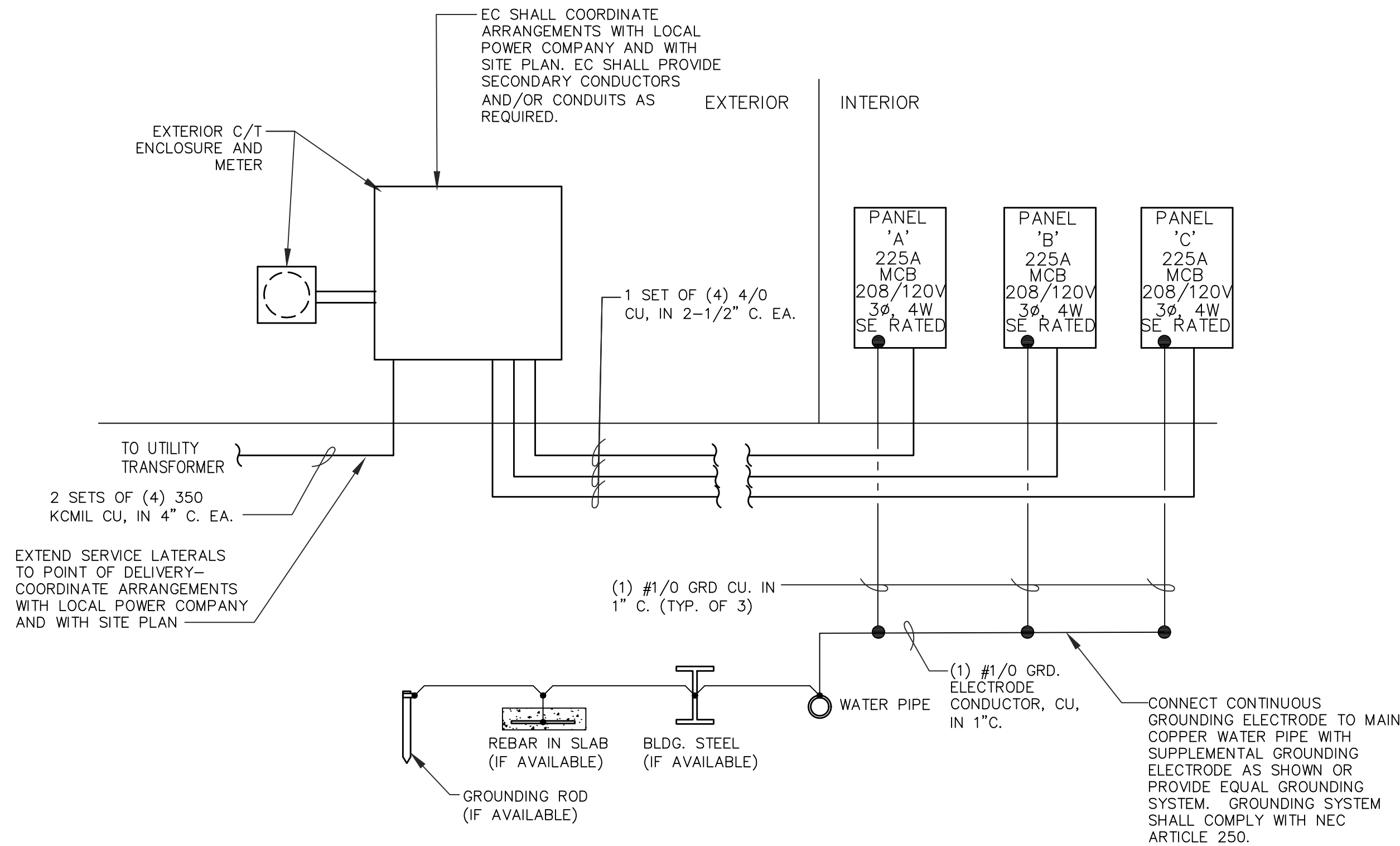
PROJECT: **HIGHWAY 55**
3.2 PROTOTYPE
3236 HWY 190
HAMMOND, LA 70401

DRAWING: ELECTRICAL ROOF PLAN

Revisions	
THRU ADDENDUM 11/21/2022	"D"
PROJECT DATE 06/29/2023	
Drawn By CD	
Checked By NRT	
Sheet No. E161	

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_10012\E601.dwg
Plotted by: chudson
Plotted Date: Jul 07, 2023 - 4:28pm

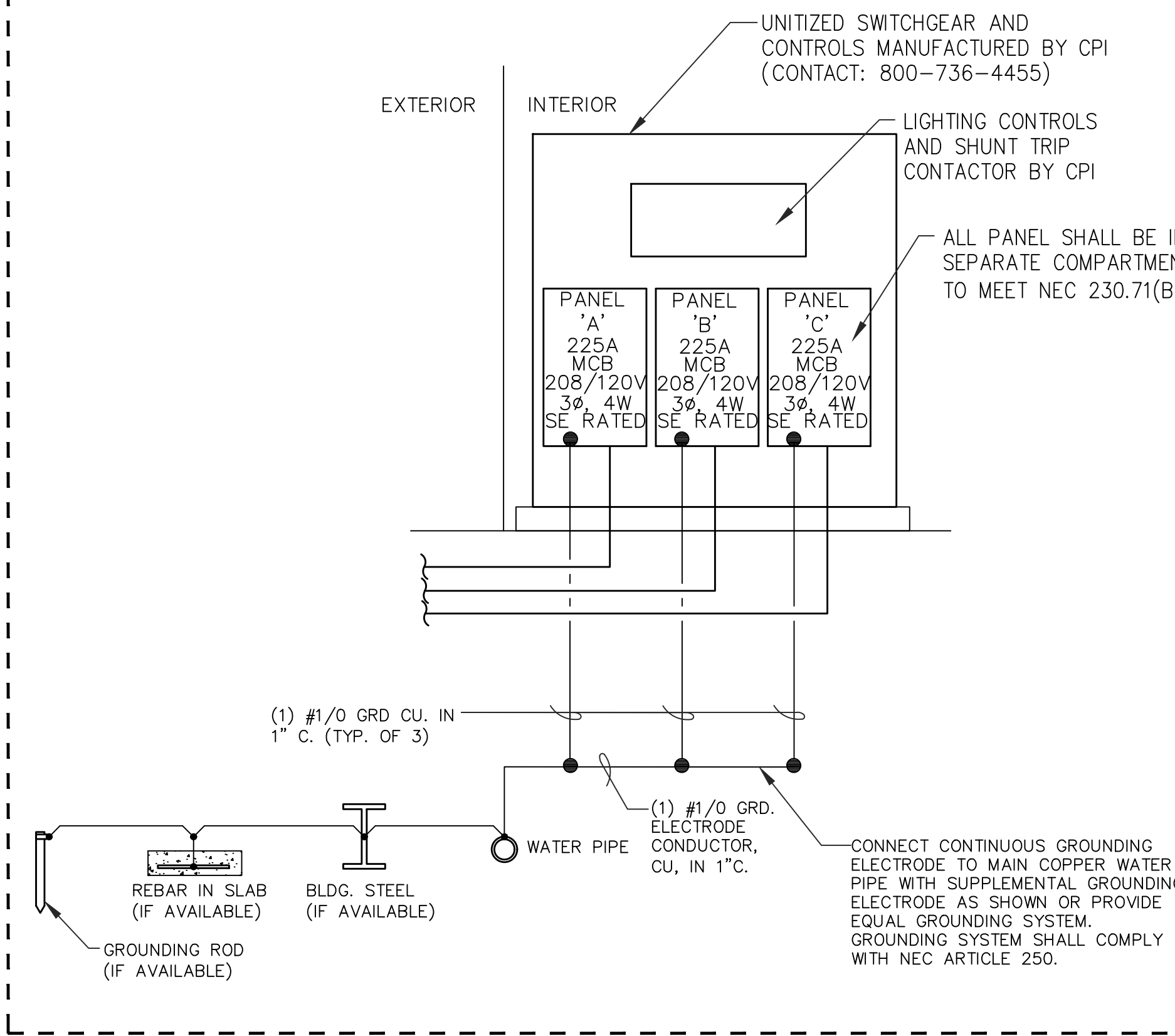
EC SHALL COORDINATE ELECTRICAL SERVICE REQUIREMENTS WITH ENTERGY HAMMOND
PHONE: (800) 968-8243



1 ELECTRICAL RISER DIAGRAM

E601 SCALE: NTS

EC SHALL PROVIDE ALTERNATIVE BID TO USE UNITIZED CPI GEAR IN LIEU OF LOOSE ELECTRICAL PANEL. SEE SHEET E801 FOR MORE INFORMATION.



GENERAL NOTES

- ALL WIRING AND EQUIPMENT BY EC UNLESS NOTED OTHERWISE.
- PANELBOARDS "A", "B", AND "C" SHALL BE U.L. LISTED.
- ALL INTERIOR METAL PIPING (WATER AND GAS) SHALL BE BONDED TO THE SERVICE ENTRANCE ENCLOSURE, THE GROUNDING CONDUCTOR AT THE SERVICE, THE GROUNDING ELECTRODE CONDUCTOR OF SUFFICIENT SIZE OR TO ONE OR MORE GROUNDING ELECTRODES USED. THE BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.66 (FOR WATER). THE GAS PIPING SHALL BE BONDED WITH A JUMPER SIZED PER TABLE 250.122 USING THE RATING OF THE CIRCUIT THAT MAY ENERGIZE THE PIPING, PER NEC 250.104(B).
- CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SITE AS DETERMINED BY THE LOCAL ELECTRIC UTILITY. SWITCHGEAR PROVIDER SHALL COORDINATE WITH LOCAL UTILITY TO DETERMINE MAXIMUM AVAILABLE FAULT CURRENT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A DIRECTORY, COMPLETELY TYPED TO IDENTIFY CIRCUITS, WITH TRANSPARENT PROTECTOR FOR EACH PANEL.
- EC SHALL VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT W/ NAMEPLATE DATA PRIOR TO INSTALLATION. MATCH RECEPTACLES, PLUGS AND CORD EXTENSIONS AS REQUIRED. PROVIDE DISCONNECT TO MATCH EQUIPMENT WHERE REQUIRED.
- EC SHALL PROVIDE ALL ELECTRICAL PANELS WITH ARC-FLASH WARNING LABELS PER NEC.
- EC TO PROVIDE AND INSTALL PLACARDS ON EACH PANEL INDICATING PANEL'S SOURCE, INCLUDING PANEL NAME AND FEEDER CIRCUIT NUMBER AND THE AVAILABLE FAULT CURRENT AND THE DATED CALCULATED.
- CIRCUIT BREAKERS FOR MULTI-CONDUCTOR CIRCUITS SHALL HAVE A COMMON TRIP FOR ALL CONDUCTORS.
- PANEL PLACARDS ARE TO BE MADE FROM LAMINATED PLASTIC PROVIDING A BLACK BACKGROUND TO WHITE ENGRAVED LETTERING.
- MECHANICAL DESIGN IS BASED ON CAPTIVE/FAIR SYSTEM. COORDINATE WITH EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR FOR HOOD PACKAGE PROVIDED. ADJUST POWER AND CONTROLS IF ACCUREX SYSTEM IS SELECTED.

EC SHALL PROVIDE SERIES RATED SYSTEM FOR PANELS. BRANCH CIRCUIT BARKERS OF A PANEL SHALL BE SERIES RATED WITH MAIN CIRCUIT BREAKER OF THAT PANEL.

EC SHALL VERIFY WITH LAHJ AND LOCAL UTILITY CONSTRUCTION GUIDELINES TO ENSURE FULL COMPLIANCE WITH ELECTRICAL SERVICE REQUIREMENTS. EC SHALL COORDINATE WITH LAHJ AND LOCAL UTILITY AND SHALL BE ASSURED OF LOCAL APPROVAL OF SERVICE DESIGN PRIOR TO PURCHASE OR INSTALLATION OF ANY SERVICE EQUIPMENT. CONTACT THE ENGINEER IMMEDIATELY WITH ANY PROBLEMS OR CHANGES. ANY COSTS ARISING FROM FAILURE TO FULLY COORDINATE SERVICE INSTALLATION AND COMPLY WITH LAHJ AND LOCAL UTILITY SHALL BE BORNE BY THE EC

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER POLE	NOTE	DESCRIPTION	CKT. #	
1	LIGHTS KITCHEN/STORAGE	2	1	20	0.81	1.2			0.40	20	1	2	EXTERIOR LIGHTING	2
3	LIGHTS SERVING/RR/ EF-3	2	1	20	0.47		1.7		1.20	20	1	2,3	BUILDING SIGNAGE	4
5	LIGHTS PENDANTS	2	1	20	0.05			1.3	1.20	20	1	2,3	BUILDING SIGNAGE	6
7	LIGHTS DINING	2	1	20	0.61	1.8			1.20	20	1	2,3	BUILDING SIGNAGE	8
9	SITE LIGHTING	2	1	20	1.67		2.2		0.50	20	1	6	DT MENUBOARD/SPEAKER POST	10
11	SITE LIGHTING	2	1	20	1.33			2.5	1.20	20	1	2,3	PYLON SIGN	12
13	TIME CLOCK CONTROLS		1	20	0.10	0.6			0.50	20	1	4,6	HOTBOX HEAT TAPE	14
15	1-DR FREEZER #2	1	1	20	0.38		0.9		0.48	20	1	1	REFR. PREPBOX (TOP)#13	16
17	REFR. PREPBOX(TOP PREP)#3	1	1	20	0.84			1.6	0.78	20	1	1	REFR. PREPBOX #18	18
19	REFR. PREPBOX(BOTTOM PREP)#3	1	1	20	0.84	1.1			0.25	20	1	1	MIX-IN BLENDER #19	20
21	REFR. PREPBOX(TOP COOK)#3	1	1	20	0.84		1.8		1.00	20	1	1	COOKER/WARMER #20	22
23	REFR. PREPBOX(BOTTOM COOK)#3	1	1	20	0.84			2.4	1.56	20	2	1	FROZEN CUSTARD MACHINE #24	24
25	REFR. PREPBOX(BOTTOM) #13	1	1	20	0.48	2.0			1.56				2#12, #12 G. 1n (1) 3/4" C. EA	26
27	CHEFBASE #6	1,7	20	0.65			1.1		0.50	20	1	6	DT MENUBOARD/SPEAKER POST	28
29	CHEFBASE #6	1,7	1	20	0.65			1.1	0.50	20	1	1	SAFE #35A	30
31	WARMING STATION(TOP) #8	1	2	20	1.48	1.7			0.25	20	1	1	MIX-IN BLENDER #19	32
33	2#12, #12 G. 1n (1) 3/4" C. EA				1.48		3.1		1.60	20	1	1,7	CONVECTION OVEN #57	34
35	WARMING STATION(BOTTOM) #8	1	2	20	1.48			3.3	1.80	20	1	1,7	TOASTER #54	36
37	2#12, #12 G. 1n (1) 3/4" C. EA				1.48	4.6			3.14	40	3	6,7	ELECTRIC GRIDDLE #65	38
39	REFRIGERATED WORK(TOP) #9	1	1	20	0.68		3.8		3.14				3#8, #10 G. 1n (1) 3/4" C. EA	40
41	REFRIGERATED WORK(TOP) #9	1	1	20	0.68			3.8	3.14					42
43	FROZEN CUSTARD MACHINE #24T	1	2	30	2.49	8.8			6.29	70	3	6,7	ELECTRIC GRIDDLE #65D	44
45	2#10, #10 G. 1n (1) 3/4" C. EA				2.49		8.8		6.29				3#4, #8 G. 1n (1) 1-1/4" C. EA	46
47	FROZEN CUSTARD MACHINE #24T	1	2	30	2.28			8.6	6.29					48
49	2#10, #10 G. 1n (1) 3/4" C. EA				2.28	2.3			0.00	20	1		SPARE	50
51	3-BANK FRYER #4F	1	1	20	0.36		0.4		0.00	20	1		SPARE	52
53	FRYER FILTER #4F	1	1	20	0.96			1.1	0.18	20	1	1	SERVICE RECEPTACLE	54

VOLTAGE 208Y/120V
PHASE 3
WIRE 4
MAINS 225 MCB
RATING 225 (AMPS)
WITH I.G. BAR NO

MODEL SQUARE D NO
LOCATION SEE PLAN
MOUNTING RECESSED
FEEDER SEE RISER
MIN AIC SEE FAULT CALC

- NOTES:
- PROVIDE GFCI BREAKER.
 - CONTROLLED VIA CONTACTOR.
 - PROVIDE LOCKABLE BREAKER PER NEC 600.6
 - PROVIDE GFCI BREAKER
 - PROVIDE HACR TYPE BREAKER
 - PROVIDE LOCKABLE BREAKER PER NEC 422.31
 - WIRED VIA SHUNT TRIP CONTACTOR FOR SHUNT TRIP CONTROL.

PANEL "A"

ITEMS	CON.	%	DEM.
RECEPTACLES	0.2	code	0.2
KITCHEN	61.8	65%	40.2
HVAC	0.0	100%	0.0
LIGHTS (INT.)	1.9	125%	2.4
LIGHTS (EXT.)	3.4	125%	4.2
MISC.	6.3	100%	6.3
TOTAL KVA	73.7		53.4
TOTAL AMPS	204		148

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER POLE	NOTE	DESCRIPTION	CKT. #	
1	MONI./PRINT./BUMP.#14A/14B/14C	1,4	1	20	1.44	1.6			0.17	20	1	1	DIPPING CABINETS #22	2
3	MONI./PRINT./BUMP.#14A/14B/14C	1,4	1	20	0.72		0.8		0.12	20	1	1	PEPSI MACHINE(OT) #26	4
5	DATA RACK	1,4	1	20	0.36			0.5	0.12	20	1	1	PEPSI MACHINE(SERVING) #26	6
7	DATA RACK	1,4	1	20	0.36	2.0			1.68	20	1	1	COFFEE/TEA BREWER #33	8
9	OFFICE IG RECEPTACLES	1,4	1	20	0.36		0.7		0.36	20	1	1	JUICE DISPENSER #28	10
11	KITCHEN GENERAL PURPOSE REC	1	1	20	0.18			2.0	1.80	20	1	1	COFFEE BREWER #33B	12
13	OUTSIDE GFI RECEPTACLES (LEFT)		1	20	0.36	0.6			0.24	20	1	1	REFRIGERATOR #17	14
15	BAR USB RECEPTACLES	1	1	20	0.54		1.6		1.08	20	1	1	3 DOOR COOLER #48	16
17	OUTSIDE GFI RECEPTACLES (RIGHT)		1	20	0.54			1.4	0.84	20	1	1	SERV. ROBOT #99	18
19	OUTSIDE GFI RECEPTACLE (BACK)		1	20	0.18	0.9			0.72	20	1	1,4	POS FRONT COUNTER #35	20
21	RESTROOM RECEPTACLES	1	1	20	0.36		1.1		0.72	20	1	1,4	POS DT #35	22
23	RESTROOM SENSORS POWER	3	1	20	0.10			0.1				1	SPACE	24
25	MONITOR #14A	1,4	1	20	0.18	1.4			1.20	20	1	1	DT HEADSETS 35H	26
27	TV IN DINING	1	1	20	0.36		0.5		0.17	20	1	1	DIPPING CABINETS (DT) #22	28
29	COOKER/WARMER (TOP) #12	1	1	20	1.80			2.5	0.72	20	1	1,4	MONI./BUMP.#14A/14B	30
31	IRRIGATION CONTROLLER	1	1	20	0.18	0.5			0.36	20	1		ABOVE CEILING RECEPTACLE	32
33	MODULAR B1B RACK #42	1	1	20	0.18		2.0		1.80	20	1	1	COOKER/WARMER (BOTTOM) #12	34
35	STEAMER (TOP) #11	1	2	20	1.65			2.2	0.54	20	1	1,6	CEILING RECEPTACLES	36
37	2#12, #12 G. 1n (1) 3/4" C. EA				1.65	2.9			1.20	20	1	1,6	DEDICATED HOLDING CABINET #89	38
39	STEAMER (BOTTOM) #11	1	2	20	1.65		2.9		1.20	20	1	1,6	DEDICATED HOLDING CABINET #89	40
41	2#12, #12 G. 1n (1) 3/4" C. EA				1.65			1.7				1	SPACE	42
43	LOW VOLTAGE	1,4	1	20	0.18	0.2						1	SPACE	44
45	SPACE		1				0.0					1	SPACE	46
47	SPACE		1					0.0				1	SPACE	48
49	SPACE		1			0.0						1	SPACE	50
51	SPACE		1				0.0					1	SPACE	52
53	SPACE		1					0.0				1	SPACE	54

VOLTAGE 208Y/120V
PHASE 3
WIRE 4
MAINS 225 MCB
RATING 225 (AMPS)
WITH I.G. BAR YES

MODEL SQUARE D NO
LOCATION SEE PLAN
MOUNTING RECESSED
FEEDER SEE RISER
MIN AIC SEE FAULT CALC

- NOTES:
- PROVIDE GFCI BREAKER.
 - VERIFY WITH EQUIPMENT NAMEPLATE DATA.
 - PROVIDE LOCKABLE BREAKER PER NEC 422.31
 - PROVIDE (2) #12, #12G., #12 150. C., IN 3/4" C.
 - WIRED VIA SHUNT TRIP CONTACTOR FOR SHUNT TRIP CONTROL.
 - WIRED VIA SHUNT TRIP CONTACTOR FOR SHUNT TRIP CONTROL.

PANEL "B"

ITEMS	CON.	%	DEM.
RECEPTACLES	6.4	code	6.4
KITCHEN	20.4	65%	13.3
HVAC	0.0	100%	0.0
LIGHTS (INT.)	0.0	125%	0.0
LIGHTS (EXT.)	0.0	125%	0.0
MISC.	3.2	100%	3.2
TOTAL KVA	30.0		22.9
TOTAL AMPS	83		63

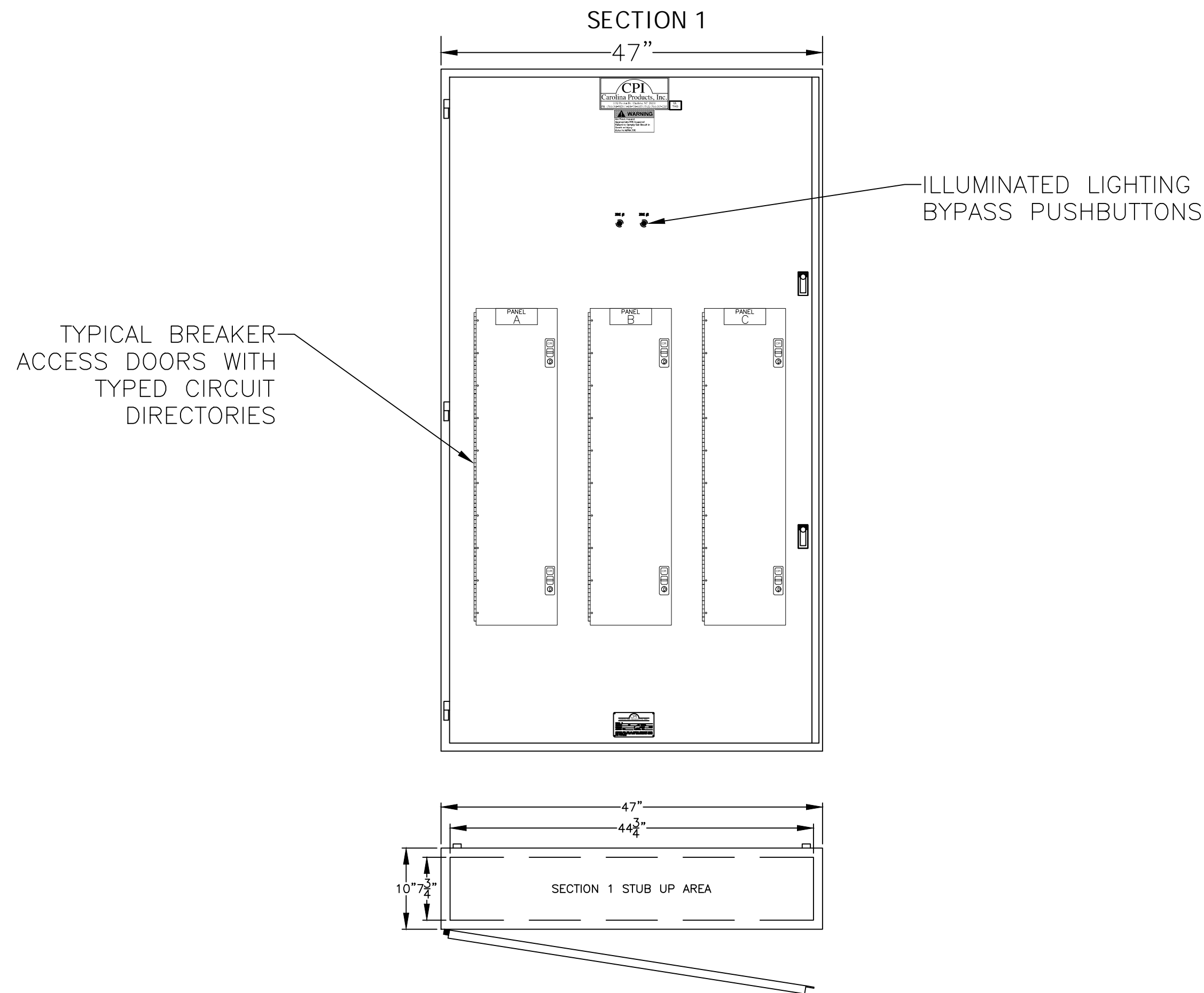
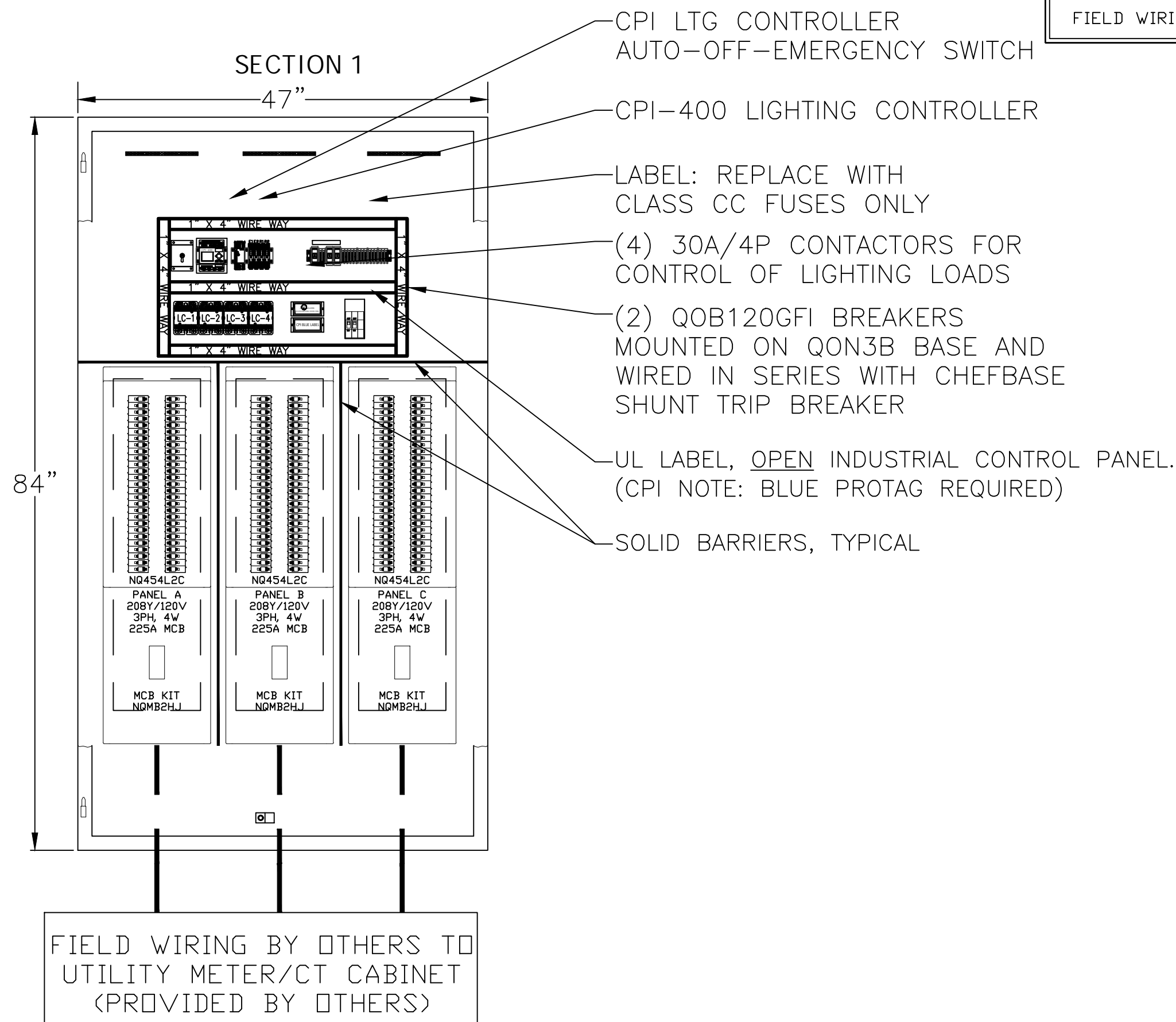
CKT.	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER POLE	NOTE	DESCRIPTION	CKT.	
#	RTU-1 FLA: 35.6 MCA: 39	3	3	50	4.27	8.5			4.27	50	3	3	RTU-2 FLA: 35.6 MCA: 39	2
3	3#6, #10 G. 1n (1) 1" C. EA				4.27		8.5		4.27				3#6, #10 G. 1n (1) 1" C. EA	4
5					4.27			8.5	4.27					6
7	SPARE		1	20		0.5			0.54	20	1		ROOF REC	8
9	SPARE		1	20			0.6		0.61	20	1		AIR CURTAIN #91	10
11	ICE MACHINE #46	1,3	1	20	1.41			1.4	0.01	20	1	1	WATER FILTER SYSTEM #55	12
13	ICE MACHINE #46	1,3	1	20	1.41	2.4			1.03	15	3	3,4	SF-1 FLA: 9	14
15	SPACE		1				1.0		1.03				3#12, #12 G. 1n (1) 3/4" C. EA	16
17	SPACE		1					1.0	1.03					18
19	HOOD CONTROL PANEL #16/HOOD LTS	4	1	15	0.50	1.9			1.39	25	1	3,4	EF-1 FLA: 11.6	20
21	SPARE		1	20			1.4		1.39	25	1	3,4	EF-2 FLA: 11.6	22
23	GAS WATER HEATER #92	1	1	20	0.18			0.2				1	SPACE	24
25	WALK-INS LIGHTS/DOOR HEATER	2	1	20	0.50	5.4			4.87	50	3	3	RTU-3 FLA: 40.6 MCA: 45	26
27	SF-1 CU-1 FLA: 11.9	3,4	3	20	1.43		6.3		4.87				3#6, #10 G. 1n (1) 1" C. EA	28
29	3#12, #12 G. 1n (1) 3/4" C. EA				1.43			6.3	4.87					30
31					1.43	2.0			0.60	20	3	3	WALK IN FREEZER CONDENSER #47F	32
33	SPACE		1				0.6		0.60				3#12, #12 G. 1n (1) 3/4" C. EA	34
35	FREEZER EVAPORATOR #47F	3	2	20	0.30			0.9	0.60					36
37	2#12, #12 G. 1n (1) 3/4" C. EA				0.30	0.9			0.60	20	3	3	WALK IN COOLER CONDENSER #47C	38
39	COOLER EVAPORATOR #47C	3	2	20	0.30		0.9		0.60				3#12, #12 G. 1n (1) 3/4" C. EA	40
41	2#12, #12 G. 1n (1) 3/4" C. EA				0.30			0.9	0.60					42
43	SPACE		1			0.0						1	SPACE	44
45	SPACE		1				0.0					1	SPACE	46
47	SPACE		1					0.0				1	SPACE	48
49	SPACE		1			0.0						1	SPACE	50
51	SPACE		1				0.0					1	SPACE	52
53	SPACE		1					0.0				1	SPACE	54

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_6196\E801.dwg
Plotted by: chudson
Plotted Date: Jun 29, 2023 2:55pm

CPI UNITIZED SWITCHGEAR

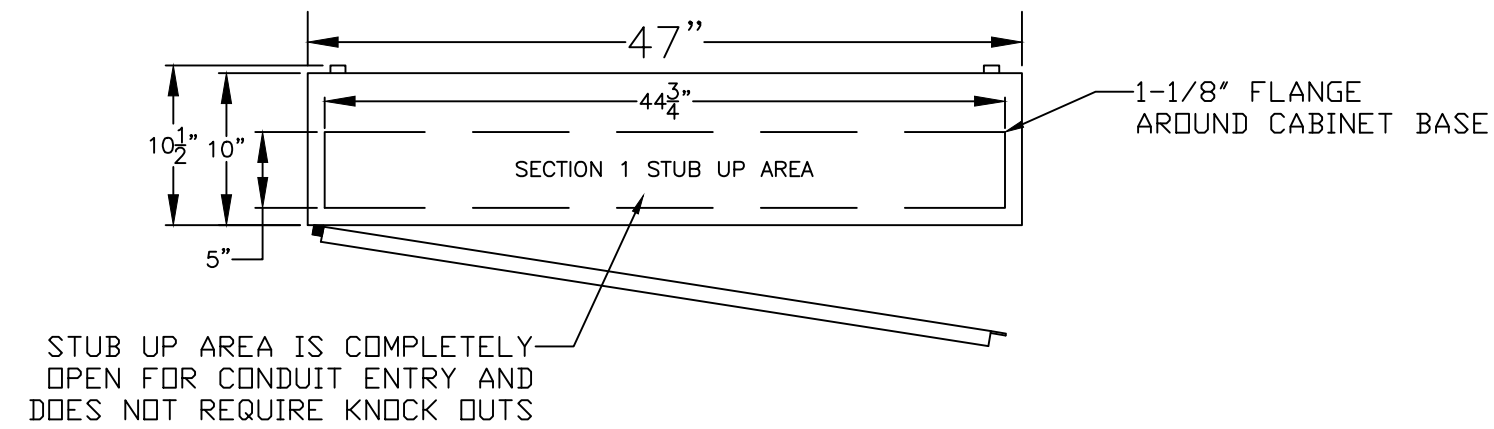
INTERIOR/EXTERIOR VIEWS (NTS)

WIRE LEGEND	
FACTORY WIRING:	_____
FIELD WIRING:	_____



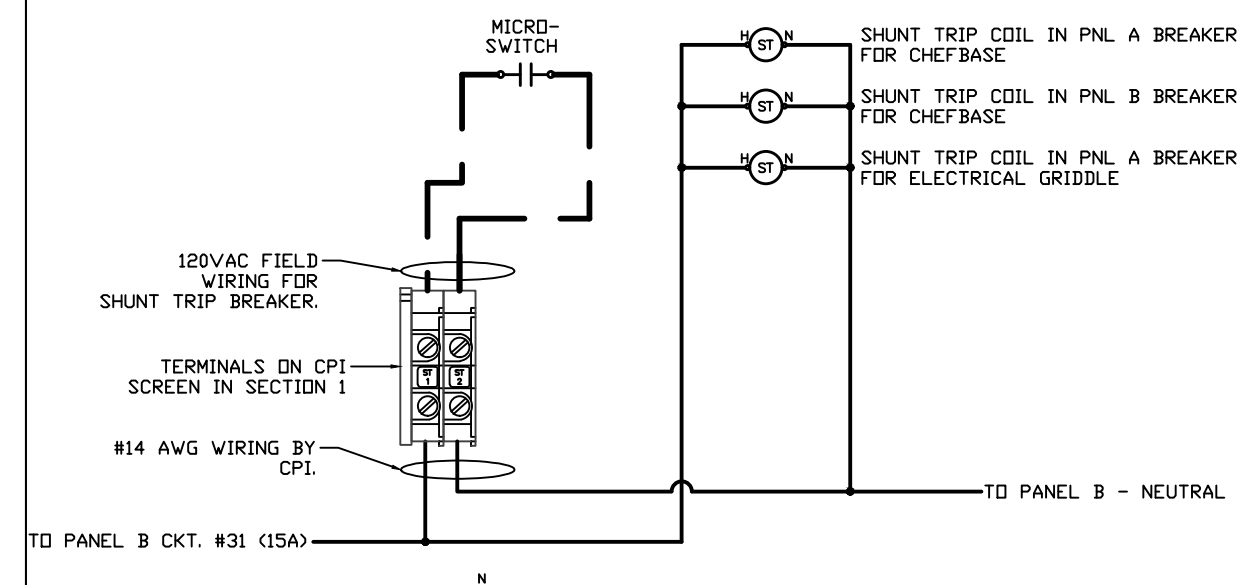
ROUGH-IN DETAIL

NTS



SHUNT TRIP DETAIL

NTS



DOOR MOUNTED COMPONENTS

LAYOUT & LABELING

ZONE #1

ZONE #2

NOTES:

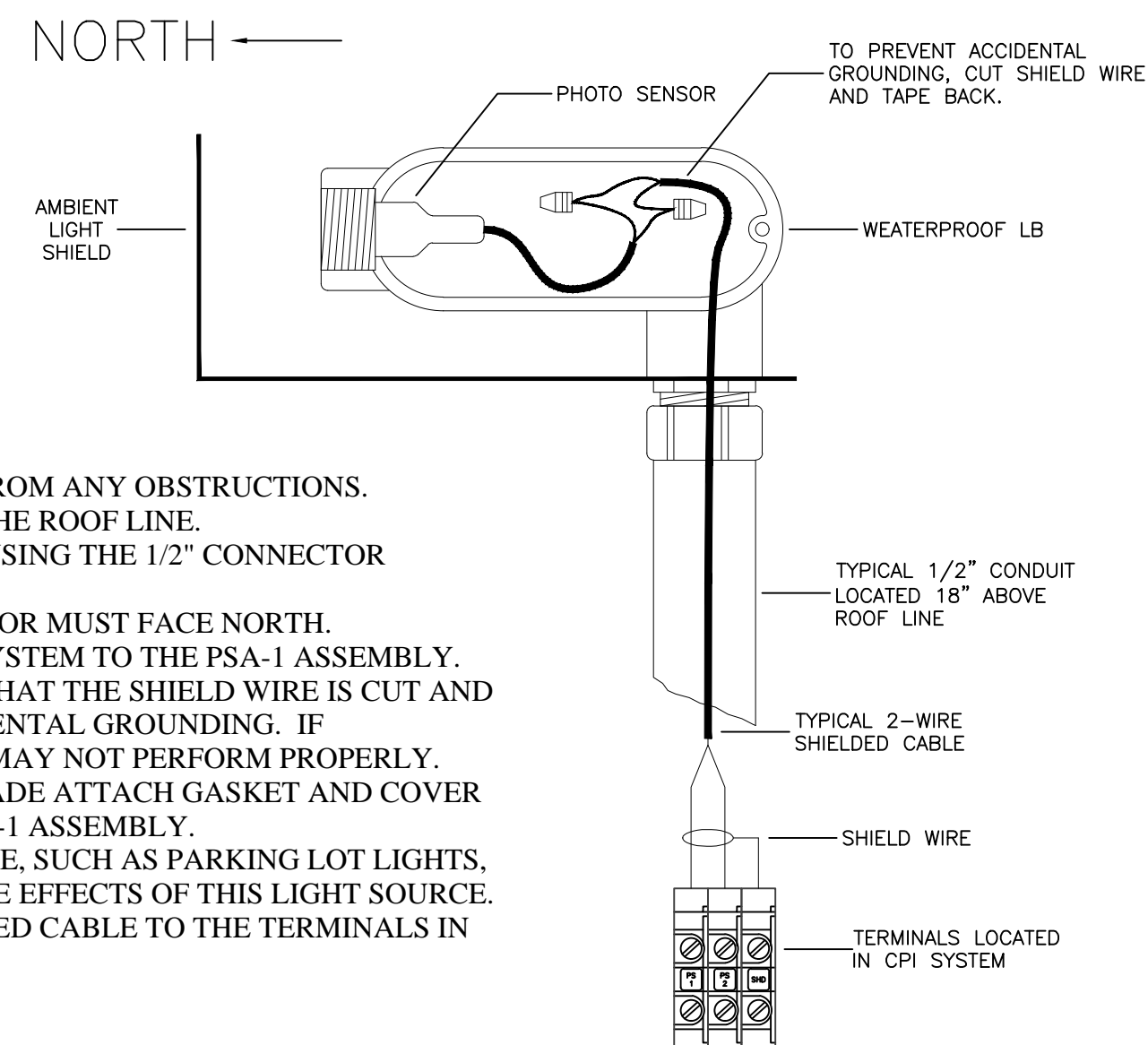
1. TYPICAL PUSHBUTTONS ARE ILLUMINATED, MOMENTARY CONTACT TYPE WITH 24VDC PILOT LIGHTS.
2. DOOR MOUNTED COMPONENTS ARE FACTORY WIRED AND TAPED TO AVOID ACCIDENTAL CONTACT WITH LIVE PARTS.

PHOTO SENSOR INSTALLATION DETAIL

TYPICAL

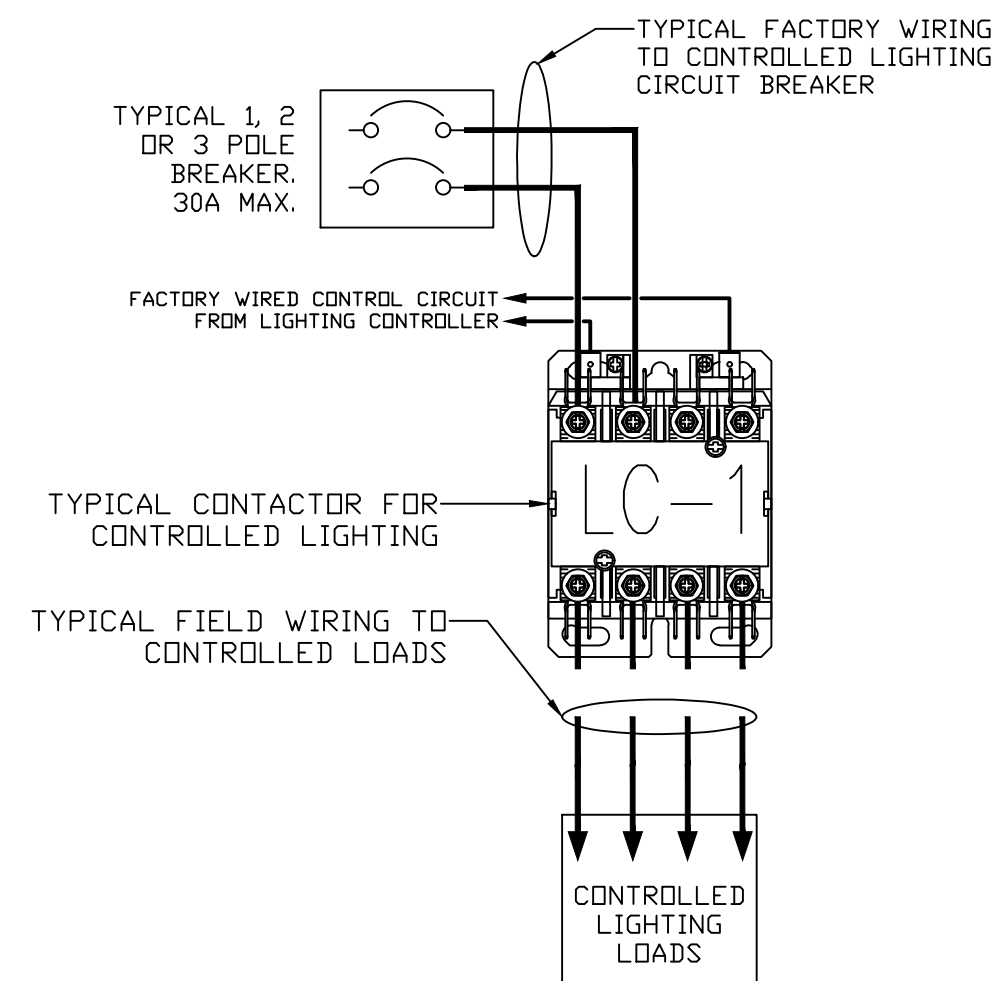
PSA-1 ASSEMBLY CONTENTS	
1 -	PHOTO SENSOR
1 -	WEATHERPROOF LB W/ COVER
1 -	1/2" CONNECTOR
1 -	AMBIENT LIGHT SHIELD

1. SELECT A POSITION ON THE ROOF THAT IS FREE FROM ANY OBSTRUCTIONS.
2. STUB A 1/2" CONDUIT A MINIMUM OF 18" ABOVE THE ROOF LINE.
3. ATTACH THE PSA-1 ASSEMBLY TO THE CONDUIT USING THE 1/2" CONNECTOR PROVIDED WITH THE PSA-1.
4. TO ENSURE PROPER OPERATION, THE PHOTO SENSOR MUST FACE NORTH.
5. PULL A 2-WIRE SHIELDED CABLE FROM THE CPI SYSTEM TO THE PSA-1 ASSEMBLY.
6. CONNECT LIKE COLOR WIRES. IT IS IMPORTANT THAT THE SHIELD WIRE IS CUT AND TAPED BACK AT THE SENSOR TO PREVENT ACCIDENTAL GROUNDING. IF ACCIDENTAL GROUNDING OCCURS, THE SENSOR MAY NOT PERFORM PROPERLY.
7. AFTER ALL WIRING CONNECTIONS HAVE BEEN MADE ATTACH GASKET AND COVER TO WEATHERPROOF LB SUPPLIED AS PART OF PSA-1 ASSEMBLY.
8. IF SENSOR IS EXPOSED TO A BRIGHT LIGHT SOURCE, SUCH AS PARKING LOT LIGHTS, ADJUST THE AMBIENT LIGHT SHIELD TO LIMIT THE EFFECTS OF THIS LIGHT SOURCE.
9. CONNECT THE OTHER END OF THE 2-WIRE SHIELDED CABLE TO THE TERMINALS IN THE CPI SYSTEM AS SHOWN.
10. INSTALLATION IS COMPLETE.



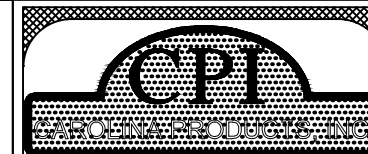
LIGHTING CONTACTOR DETAIL

TYPICAL



NOTES:

1. TYPICAL CONTACTORS ARE 30 AMPERE, 4 POLE, DEFINITE PURPOSE TYPE.
2. ELECTRICALLY HELD, 120VAC COIL
3. LINE SIDE OF CONTACTOR IS FACTORY WIRED TO 30A MAX. CIRCUIT BREAKER.
4. LOAD SIDE OF CONTACTOR IS FIELD WIRED TO LIGHTING LOADS.
5. CONTROL CIRCUIT IS FACTORY WIRED (#14AWG MIN.) TO LIGHTING CONTROLLER.



CAROLINA PRODUCTS, INC.
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REVISIONS:

REVISION 1:

REVISION 2:

REVISION 3:

SHEET DESCRIPTION:

INTERIOR & EXTERIOR VIEWS
ROUGH-IN DETAILS
PUSHBUTTON LAYOUT
PHOTOCELL INSTALLATION INFO

PROJECT OVERVIEW:

PROJECT NAME:
HWY 55 BURGERS, SHAKES & FRIES

PROJECT CITY:
HAMMOND, LA

CPI PROJECT INFORMATION:

CPI PROJECT #:

DATE:
06/06/2022

DRAWN BY:
AJW

SHEET: 1.0

LMHT Project No. 23047.00

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FALEIGH, NC 27617
Phone: 919.244.0057 Fax: 919.544.9399

SHOP DRAWINGS FOR REFERENCE

PROJECT: **HIGHWAY 55**

3.2 PROTOTYPE

3236 HWY 190
HAMMOND, LA 70401

DRAWING: CPI SWITCHGEAR (SHOP DRAWING FOR REFERENCE ONLY)

Revisions

THRU ADDENDUM "D"
11/21/2022

PROJECT DATE
06/29/2023

Drawn By
CD

Checked By
NRT

Sheet No.

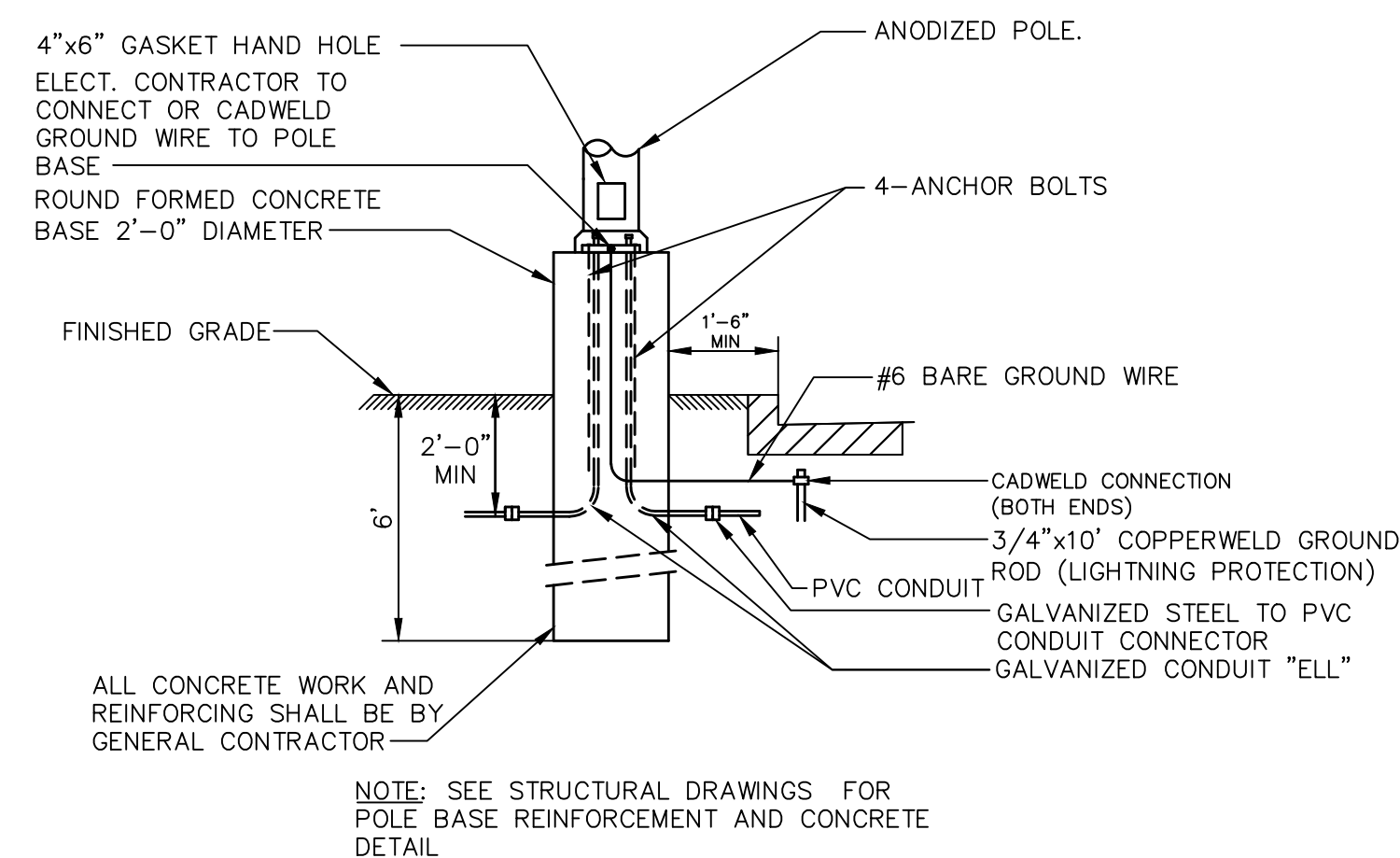
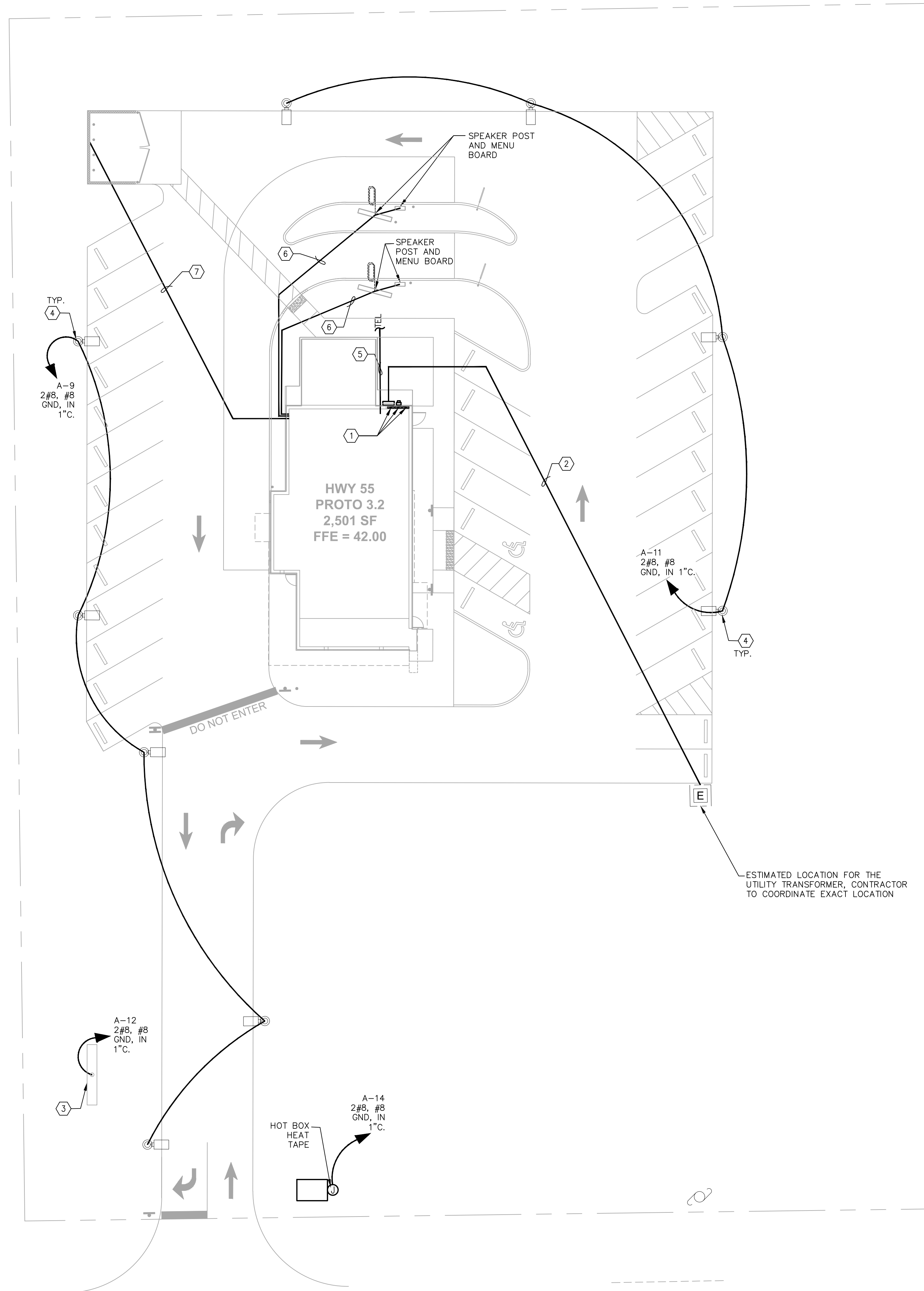
E801

NOTE: EC SHALL PROVIDE ALTERNATIVE BID TO PROVIDE AND INSTALLED CPI SWITCHGEAR IN LIEU OF LOOSE ELECTRICAL PANELS.

NOTE: E.C. SHALL REFER TO CPI SHOP DRAWINGS FINAL CONNECTION AND WIRING.

- ① BUILDING POWER PANEL LOCATION.
- ② EC SHALL PROVIDE SECONDARY CONDUCTORS AND CONDUITS FROM TRANSFORMER TO BUILDING SERVICE LOCATION. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
- ③ VERIFY PYLON SIGN LOCATION; CONTRACTOR SHALL COORDINATE WITH FINAL CIVIL DRAWINGS AND SIGN VENDOR PRIOR TO TRENCING.
- ④ SITE POLE LIGHTS. REFER TO CIVIL PLAN FOR POLE LIGHT SPECIFICATION AND PHOTOMETRIC STUDY.
- ⑤ 2" CONDUIT FOR TELEPHONE SERVICE. CONTRACTOR SHALL SEE FINAL CIVIL DRAWINGS AND COORDINATE WITH THE UTILITY FOR FINAL TELEPHONE SERVICE LOCATION. SERVICE POINT WAS NOT KNOWN AT TIME OF PUBLICATION.
- ⑥ (3) 1" CONDUITS UNDERGROUND TO MENU BOARD AND SPEAKER POST AT EACH LOCATION. SEE ARCHITECTURAL AND CIVIL SHEETS FOR MORE INFORMATION. COORDINATE WITH DT MENUBOARD INSTALLER FOR EXACT REQUIREMENTS PRIOR TO ROUGH-INS.
- ⑦ EC SHALL PROVIDE (1) 1" CONDUIT FROM BUILDING TO DUMPSITER ENCLOSURE FOR SECURITY CAMERA. VERIFY EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR AND OWNER PRIOR TO INSTALLATION.

1. CONDUIT RUNS ARE DIAGRAMMATICAL; CONTRACTOR TO RUN CONDUIT ALONG "PATH OF LEAST RESISTANCE". NO EXTRA FEES WILL BE PAID FOR ROCK BUSTING, UNLESS LL'S/TENANT'S REPRESENTATIVE AGREES THERE IS NO OTHER PATH AVAILABLE.



2 LIGHTING CONCRETE POLE BASE
ES111 SCALE: NOT TO SCALE

1 ELECTRICAL SITE PLAN
ES111 SCALE: 1/16" = 1'-0"