

Love's

Travel Stop & Country Stores



pb2
architecture
+ engineering
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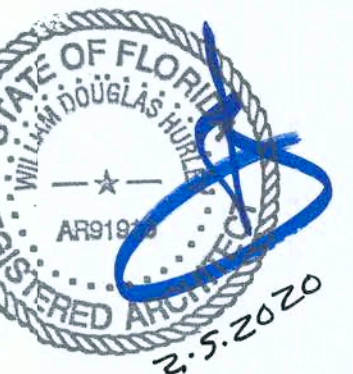
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LOVE'S STORE #724
13700 US HIGHWAY 441
LAKE CITY, FL 32025
HOT TO GO REMODEL /
BUILDING EXPANSION
JOB NUMBER: 2019.0328



ISSUE BLOCK	

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DOCUMENT DATE: 01/29/2020



COVER
SHEET

SHEET:
C1

DRAWING INDEX:

GENERAL

C1 COVER SHEET
N1 GENERAL INFORMATION

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A1.2 ENLARGED PLANS
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HOT TO GO REMODEL / BUILDING EXPANSION STORE #724 13700 S US HIGHWAY 441 LAKE CITY, FL 32025

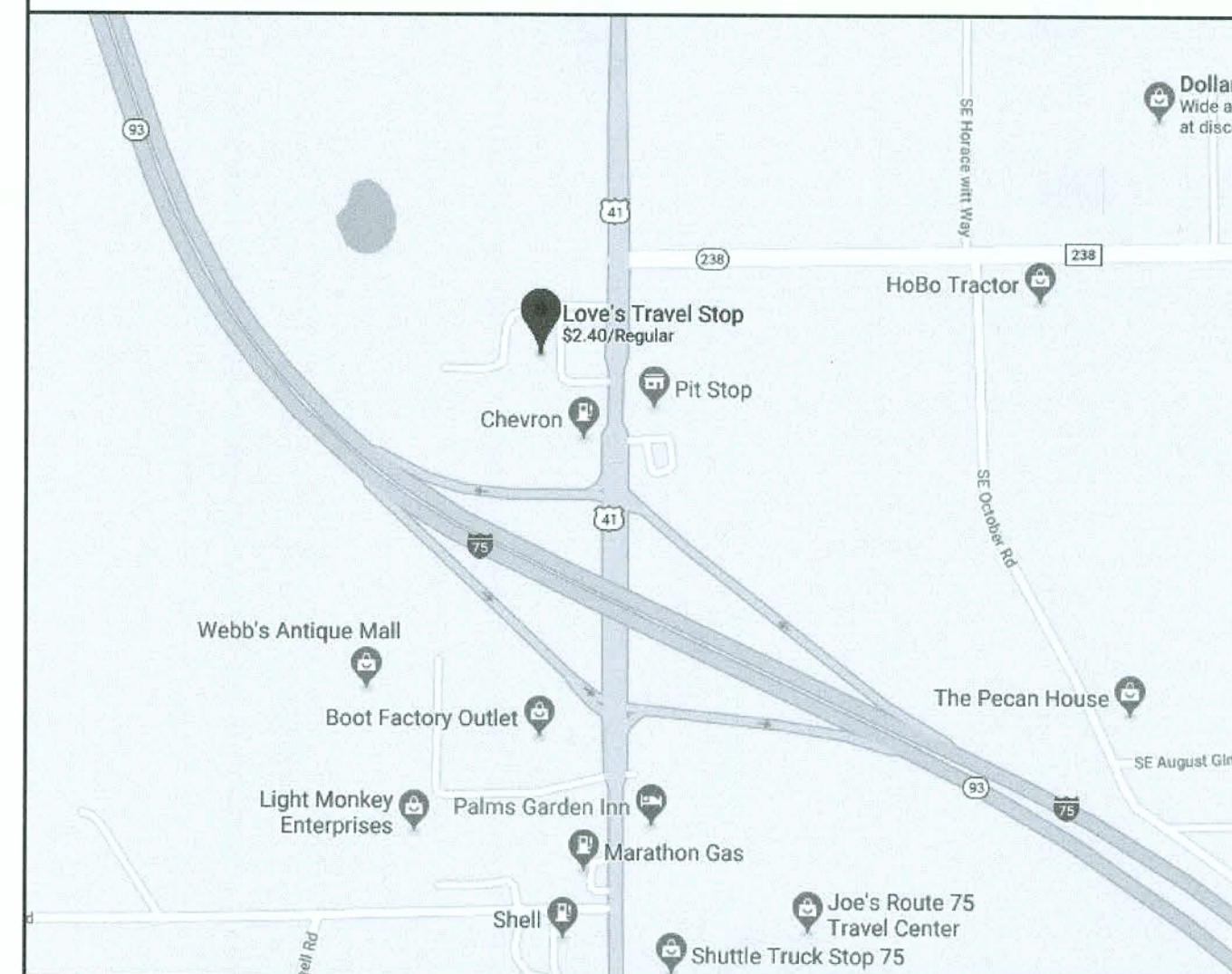
PROJECT DATA

BUILDING CODE:
BUILDING CODE: 2017 FLORIDA BUILDING CODE 6TH EDITION
MECHANICAL CODE: 2017 FLORIDA BUILDING CODE - MECHANICAL 6TH EDITION
PLUMBING CODE: 2017 FLORIDA BUILDING CODE - PLUMBING 6TH EDITION
ELECTRICAL CODE: 2014 NATIONAL ELECTRICAL CODE NFPA 70
FIRE CODE: 2017 FLORIDA FIRE PREVENTION CODE 6TH EDITION
ACCESSIBILITY: 2017 FLORIDA BUILDING CODE - ACCESSIBILITY 6TH EDITION
ENERGY: 2017 FLORIDA BUILDING CODE - ENERGY 6TH EDITION

BUILDING OCCUPANCY:
M: MERCANTILE

TYPE OF CONSTRUCTION:
IIB - NON-SPRINKLERED

VICINITY MAP



LEGEND	
	DOOR NUMBER
	ROOM NUMBER
	WINDOW NUMBER
	INTERIOR FINISH NUMBER
	EQUIPMENT NUMBER
	SHEET LOCATION
	ENLARGED DETAIL INDICATOR
	HEIGHT ELEVATION INDICATOR
	SIGN TYPE
	PARTITION TYPE - STUD WIDTH (3) = 3 5/8" (6) = 6"
	ELEVATION INDICATOR
	SECTION INDICATOR

ABBREVIATION LEGEND			
NOTE: THIS IS A GENERAL ABBREVIATION LIST AND NOT ALL ABBREVIATIONS MAY APPEAR IN PLANS			
GENERAL ABBREVIATIONS			
ABBR	DEFINITION	ME	MASONRY ELEVATION
AB	ANCHOR BOLT	MECH	MECHANICAL
ACOST	ACOUSTIC	MFR	MANUFACTURER
ALDA	AMERICANS WITH DISABILITIES ACT	MIN	MINIMUM
ADJ	ADJACENT	MISC	MISCELLANEOUS
APFF	ABOVE FINISHED FLOOR	MTL	METAL
APFG	ABOVE FINISHED GRADE	NTS	NOT TO SCALE
ALUM	ALUMINUM	OC	ON CENTER
ALT	ALTERNATE	OH	OPPOSITE HAND
AN	ANCHORS	OHD	OVERHEAD DOOR
ARCH	ARCHITECTURAL	OP	OPERABLE PANEL
AT	ACOUSTICAL TILE	OP/CI	OWNER PROVIDED / CONTRACTOR
BD	BOARD	INSTALL	OWNER PROVIDED / OWNER
BOS	BOTTOM OF STEEL	PT	PAINT
BRG	BEARING	P LAM	PLASTIC LAMINATE
CL	CENTERLINE	PVC	POLYVINYL CHLORIDE
CLR	CLEAR	QTY	QUANTITY
CMU	CONCRETE MASONRY UNIT	REF	REFER TO
COL	COLUMN	REQD	REQUIRED
CONC	CONCRETE	SC	SOLID CORE
CONST	CONSTRUCTION	SIM	SIMILAR
CONT	CONTINUOUS	SPECS	SPECIFICATIONS
CT	CERAMIC TILE	STD	STANDARD
DIA	DIAMETER	STRUC	STRUCTURAL
EF	EXHAUST FAN	SUSP	SUSPENDED
ELEV	ELEVATION	TEMP	TEMPERED
ELEC	ELECTRICAL	THK	THICKNESS
EQ	EQUAL	TO	TOP OF
ETR	EXISTING TO REMAIN	TOC/TC	TOP OF CONCRETE
FF	FINISHED FLOOR	TOS	TOP OF GRADE BEAM
FRP	FIBERGLASS REINFORCED PLASTIC	TOM	TOP OF MASONRY
FRT	FIRE RETARDANT TREATED	TOP/TP	TOP OF PAVING
FTG	FOOTING	TOS	TOP OF STEEL
FW	FIELD VERIFY	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
H	HEIGHT	VIF	VERIFY IN FIELD
HC	HANDICAP	W	WIDTH
HM	HOLLOW METAL	WWF	WELDED WIRE FABRIC
HW	HOT WATER TANK		
INFO	INFORMATION		
L	LENGTH		
MAX	MAXIMUM		

RESPONSIBILITY SCHEDULE			
WORK SCHEDULE	GC = GENERAL CONTRACTOR		
	FURNISHED BY		INSTALLED BY
GENERAL	GC	O	GC
DEMOLITION	X		
CONC. SLAB / CUT / PATCH			X
TILE (FLOOR & WALL)	X		X
BASE	X		X
GROUT & SETTING MATERIAL	X		X
PLASTIC LAMINATE	X		X
PAINT	X		X
RESTROOM ACCESSORIES		X	X
PLUMBING FIXTURES		X	X
DOORS		X	X
DOOR HARDWARE		X	X
MILLWORK		X	X
SIGNAGE		X	X
INTERIOR PARTITIONS	X		X
SUSPENDED CEILING TILE SYSTEM	X		X
WASHER		X	X
DRYER		X	X
WASHER/DRYER COMBO		X	X
ANY ITEMS NOT LISTED ABOVE TO BE INSTALLED BY GC.			

GENERAL REQUIREMENTS

- PRIOR TO COMMENCEMENT OF THE PROJECT, THE GC SHALL PROVIDE EVIDENCE OF ALL REQUIRED FORMS OF INSURANCE TO OWNERS CONSTRUCTION MANAGER AND LOCAL AUTHORITIES.
- GC SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS TO BE OBTAINED FROM THE REQUIRED GOVERNING AGENCIES BEFORE BUILDINGS ARE OCCUPIED.
- GC SHALL BE RESPONSIBLE FOR AND OBTAIN ALL INSPECTIONS AND LICENSES AND PAY REQUIRED FEES.
- GC SHALL INVESTIGATE LOCAL CODES AND PROCEDURES AND SHALL COMPLY WITH ALL REQUIREMENTS.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.
- GC SHALL INSPECT SITE & VERIFY FIELD DIMENSIONS BEFORE COMMENCING CONSTRUCTION. NOTIFY ARCHITECT AND OWNER IMMEDIATELY IF THERE ARE ANY SIGNIFICANT DISCREPANCIES.
- WHERE FACTORY FINISHED OR FACTORY PRIMED ITEMS OCCUR, SUCH AS GRILLES, DIFFUSERS, METAL TRIM AND ACCESSORIES, ETC., THEY SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE UNLESS OTHERWISE INDICATED.
- GC SHALL, IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING, REPAIRING, RESTORING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND TO RESTORE ANY DAMAGED OR AFFECTED SURFACES RESULTING FROM THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER.
- GC SHALL COORDINATE WORK PERFORMED BY OTHER SUB-CONTRACTORS. DISCREPANCIES, IF ANY, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
- ALL SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL DURING THE BIDDING PROCESS.
- THE GC SHALL BE RESPONSIBLE FOR THE TIMELY ARRIVAL OF ALL SPECIFIED FINISH MATERIALS, EQUIPMENT, LIGHT FIXTURES AND ANY OTHER SUCH MATERIAL(S) TO BE UTILIZED ON THIS PROJECT. THE GC SHALL NOTIFY THE OWNER & THE ARCHITECT IN WRITING WITHIN 10 DAYS OF DATE OF CONTRACT OF THOSE SPECIFIED ITEMS THAT MAY NOT BE READILY AVAILABLE. IF NOTIFICATION IS NOT RECEIVED BY THE ARCHITECT & OWNER, THE GC ACCEPTS RESPONSIBILITY FOR THE PROPER ORDERING AND FOLLOW-UP OF SPECIFIED ITEMS AND SHALL PURSUE WHATEVER MEANS NECESSARY AT NO ADDITIONAL COST TO THE OWNER TO ASSURE AVAILABILITY OF ALL SPECIFIED ITEMS SO AS TO NOT CREATE A HARDSHIP ON THE OWNER & NOT DELAY PROGRESS OF THE WORK. NO EXTENSION OF TIME TO THE CONTRACT WILL BE ALLOWED.
- MECHANICAL GC SHALL VERIFY EXACT DIMENSIONS WITH EQUIPMENT MANUFACTURERS. MECHANICAL GC SHALL VERIFY ALL SIZES AND LOCATIONS OF DUCT OPENINGS BEFORE INSTALLATION AND VERIFY DISCREPANCIES WITH THE ARCHITECT, IF ANY.
- FOR SIZE AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL DUCT WORK, REFER TO MECHANICAL DRAWINGS.
- CAULKING AND SEALANTS: ALL OPEN JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHERSTRIPPED TO LIMIT AIR LEAKAGE AND MEET CODE REQUIREMENT.
- GC SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION UPON THE CONCLUSION OF HIS WORK ON A DAILY BASIS. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GC SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH, INCLUDING OWNER FURNISHED ITEMS AND TRASH GENERATED BY OWNER'S SUB-CONTRACTORS FOR THE DURATION OF THE PROJECT.
- SAFETY: ALL CONDUCT, WORK, EQUIPMENT AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST SAFETY RULES AND REGULATIONS OF ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION.
- ANY MATERIALS FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- WORK COMPLETED BY OTHERS SHALL BE PROTECTED. IF OTHER TRADES CAUSE ANY DAMAGE IT IS THE RESPONSIBILITY OF SAID TRADE TO COORDINATE REPAIRS WITH NO ADDITIONAL COST OR SCHEDULE CHANGES TO THE OWNER.
- FOR THE PURPOSE OF BIDDING, PROPRIETARY NAMES IDENTIFYING ITEMS OF WORK ARE USED SOLELY TO DESCRIBE THE STANDARD OF THE PROJECT OR THE COLOR OF THE FINISH, UNLESS THE ITEMS OF WORK ARE EXPLICITLY NOTED AS NOT HAVING AN EQUAL. A SCHEDULE OF ITEMS TO BE SUBMITTED FOR APPROVAL SHOULD BE ATTACHED TO THE BID BREAKDOWN SHEET WITH A FINAL CUT SHEET PROPOSAL TO BE SUBMITTED TO THE OWNER & ARCHITECT FOR FINAL APPROVAL, AFTER THE PROJECT IS AWARDED.
- THE GC SHALL REMEDY, WITHOUT COST TO THE OWNER, ANY DEFECTS DUE TO FAULTY WORKMANSHIP.
- THE GC IS RESPONSIBLE FOR ALL TEMPORARY POWER AS NECESSARY.
- THE GC SHALL PROVIDE AN ON-SITE SUPERINTENDENT FOR THE DURATION OF THE CONSTRUCTION PROJECT.
- THE GC SHALL LEAVE NO GAPS AND FILL SOLID TO PIPING AND DUCTWORK TO MAINTAIN THE STRUCTURAL INTEGRITY OF DEMISING WALLS AND MAINTAIN THE MINIMUM FIRE RATING.
- ALL PAINT SHALL BE AS SPECIFIED, FURNISHED, AND INSTALLED BY GC EXCEPT WHERE OTHERWISE SPECIFIED TO BE BY FIXTURE GC OR OWNER.
- ALL WORK, MATERIALS, AND EQUIPMENT SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE GC SHALL PROVIDE THE OWNER WITH ALL EQUIPMENT MANUALS, WARRANTIES AND OPERATING INSTRUCTIONS UPON FINAL ACCEPTANCE.
- THE GC SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER ON ALL WORK TO BE PERFORMED BY THE OWNER. ANY POTENTIAL CONFLICTS OR DELAYS CAUSED BY THE OWNER'S SUB-CONTRACTORS MUST BE DOCUMENTED IN WRITING TO THE ARCHITECT AND THE OWNER BEFORE THE DELAY IS ACTUALLY INCURRED FOR IT TO BE CONSIDERED. OTHERWISE THE GC WILL BE RESPONSIBLE FOR MEETING THE SCHEDULE AS OUTLINED IN THE CONTRACT.
- THE GC SHALL SUPPLY ALL MATERIALS, LABOR AND COORDINATION REQUIRED FOR THE INSTALLATION OF ALL OWNER SUPPLIED ITEMS AS DESCRIBED IN THE DOCUMENTS.
- THE GC IS RESPONSIBLE FOR ALL FLOOR AND WALL PENETRATIONS FOR ELECTRICAL AND MECHANICAL WORK. ALL SUCH OPENINGS SHALL BE FRAMED AND REINFORCED.
- THE GC SHALL CLEAN THE SITE OF ALL UNNECESSARY DEBRIS PRIOR TO STARTING CONSTRUCTION, AND SHALL KEEP THE SITE NEAT AND CLEAN AT ALL TIMES. THE GC SHALL CLEAN ALL MILLWORK, INTERIOR WALLS, CEILING AND FLOORS, AS WELL AS ALL INSTALLED ITEMS (FIXTURES) BEFORE VACATING THE PREMISES AND OWNER MOVE-IN.
- ALL EXISTING FIREPROOFING TO BE MAINTAINED. DAMAGE OR REMOVAL OF FIREPROOFING MUST BE REPAIRED OR REPLACED AT NO COST TO OWNER.

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architecture

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13700 US HIGHWAY 441
LAKE CITY, FL 32025

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BUILDING EXPANSION

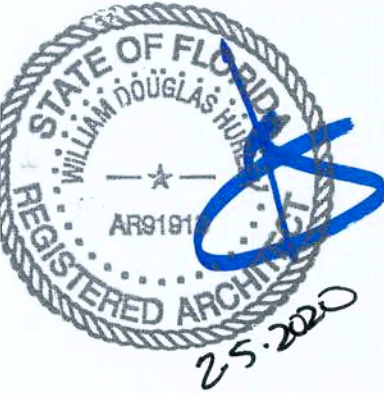
JOB NUMBER: 2019.0328

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Travel Stop &
Country Stores

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DOCUMENT DATE:	01/29/2020



GENERAL
INFORMATION

SHEET:
N1

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PLAN LEGEND

- EXISTING TO REMAIN
- NEW ADDITION
- NEW CONCRETE

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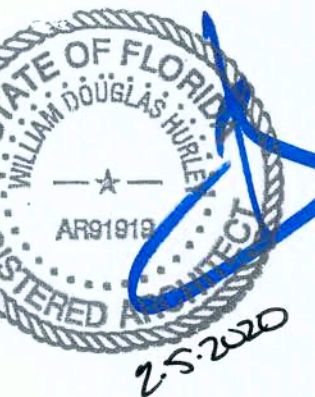
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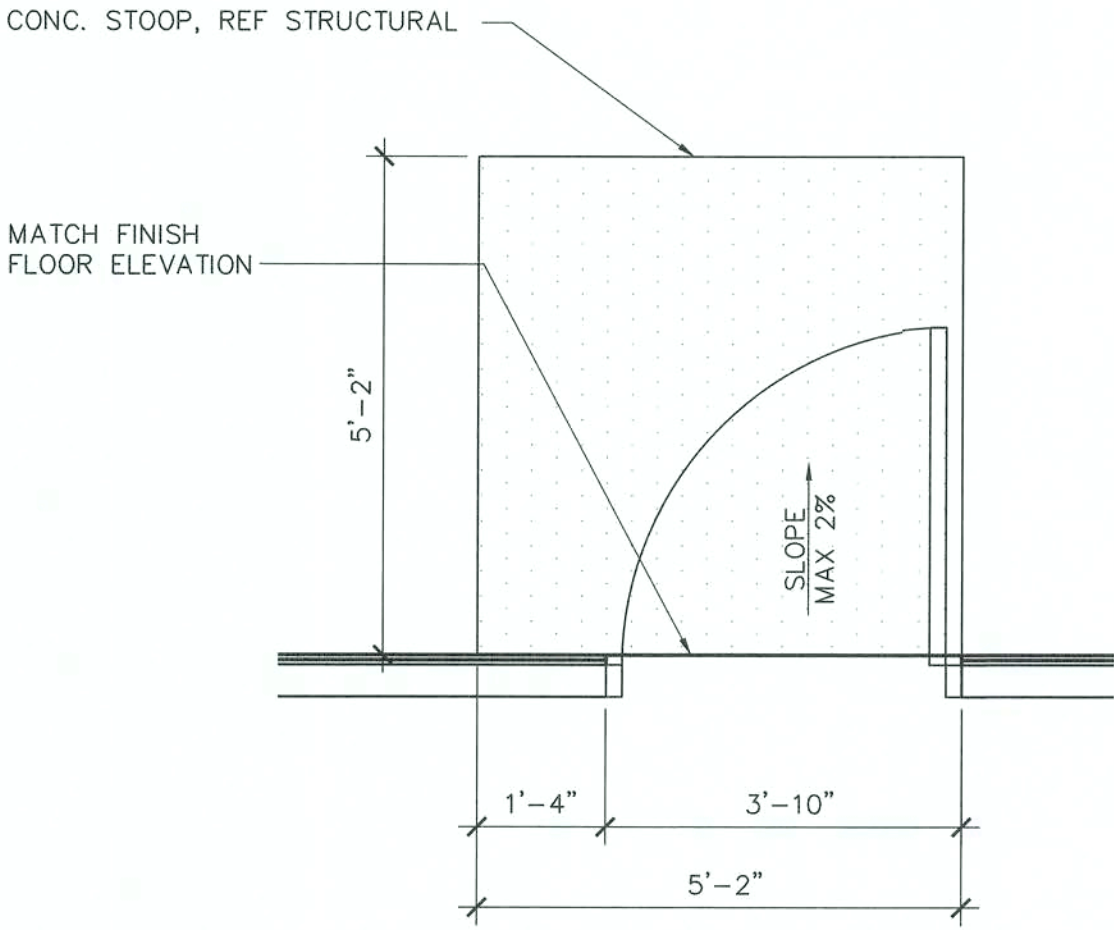
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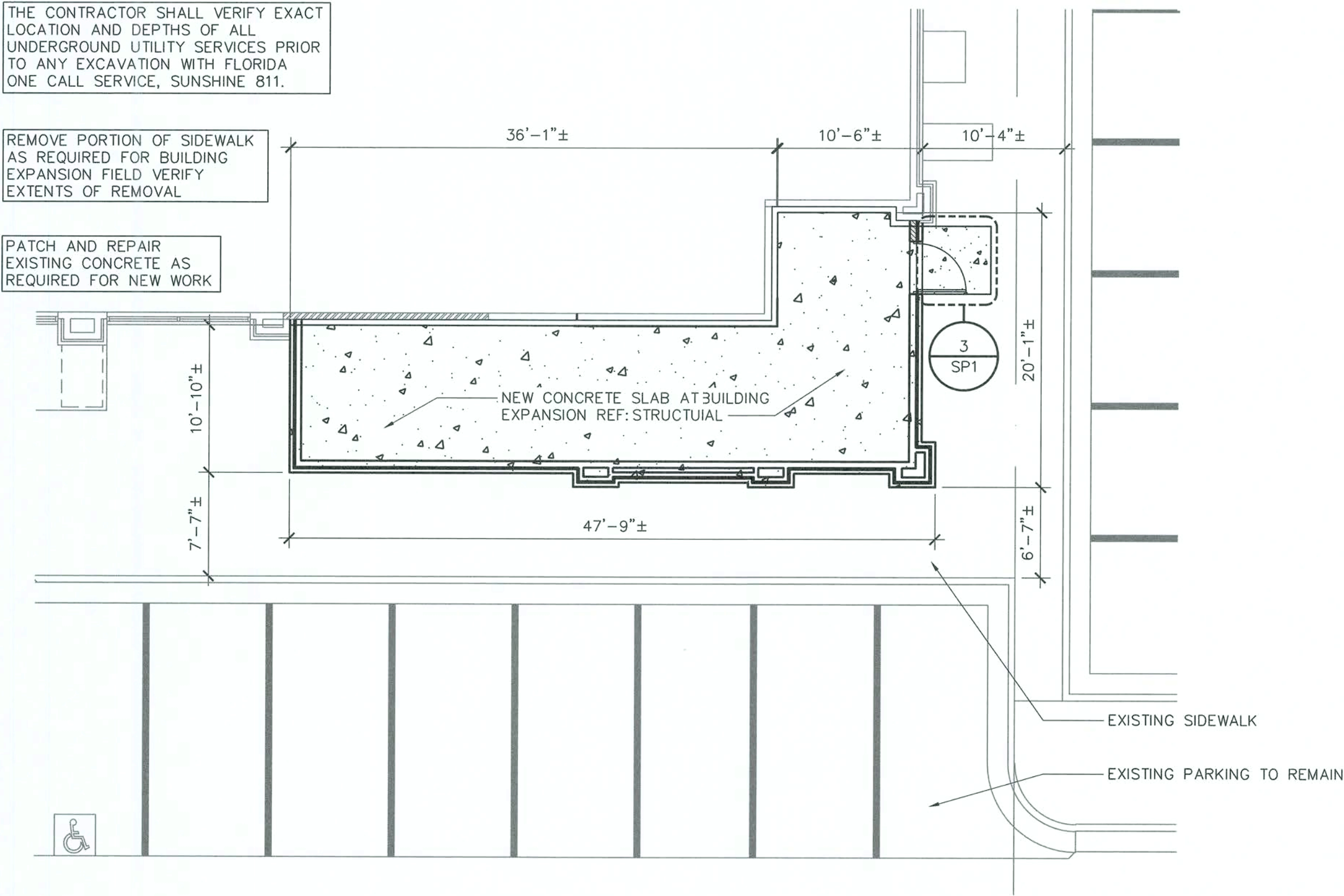


SITE
PLAN

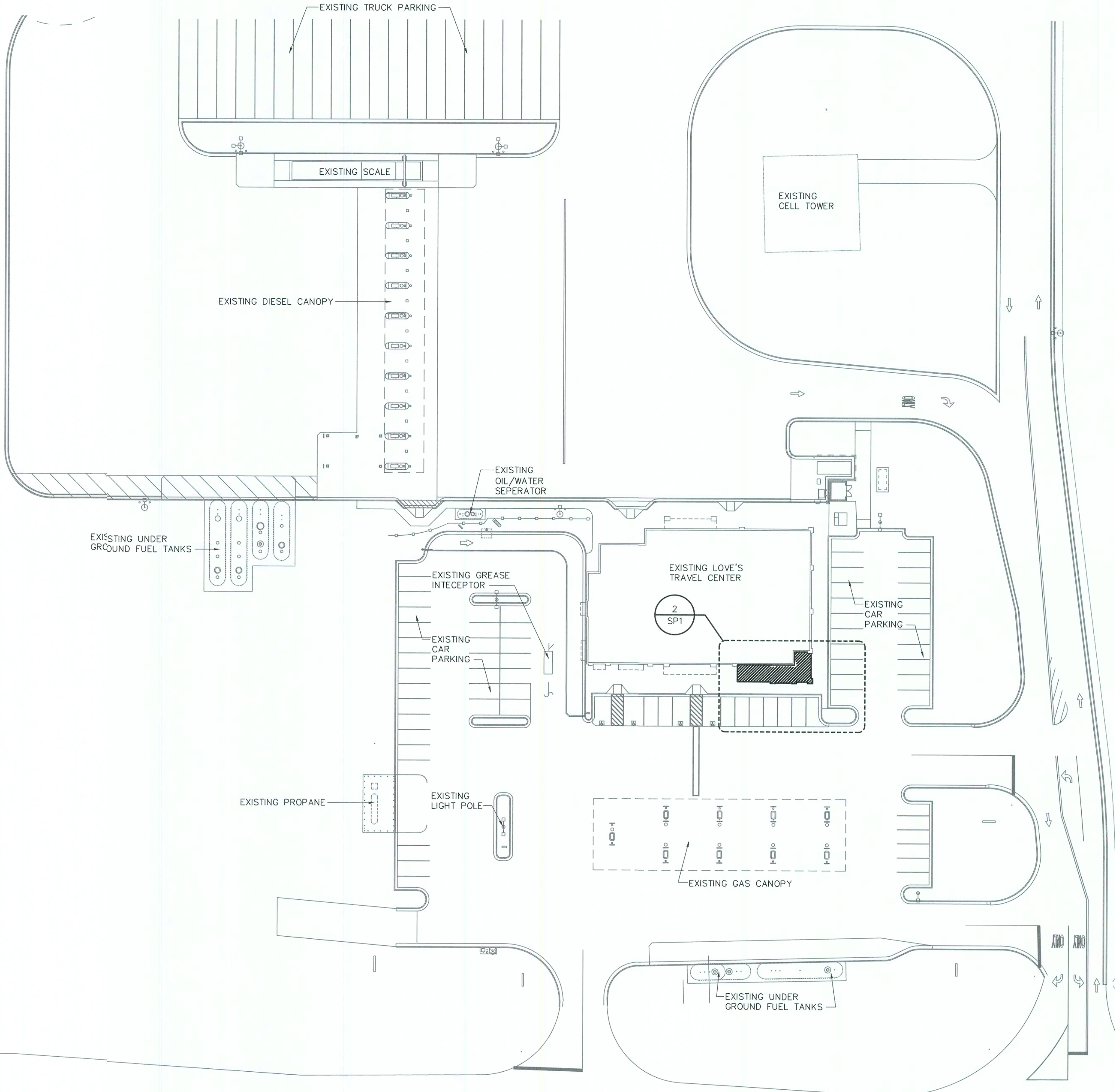
SHEET:
SP1



3 STOOPT DETAIL
1/2" = 1'-0"



2 ENLARGED SITE PLAN
1/8" = 1'-0"



1 SITE PLAN
1" = 40'-0"

STATEROAD 25

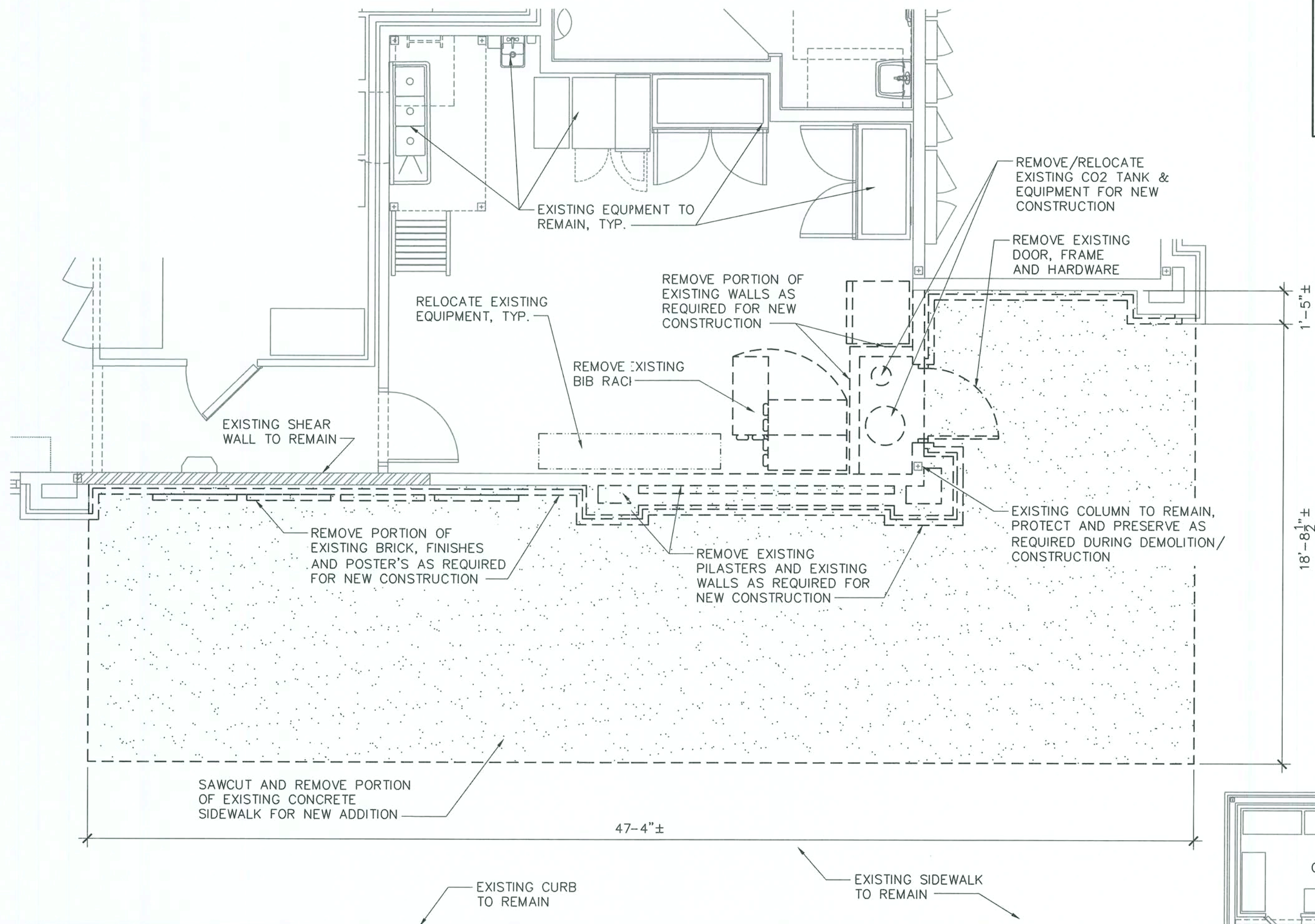
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PLAN LEGEND

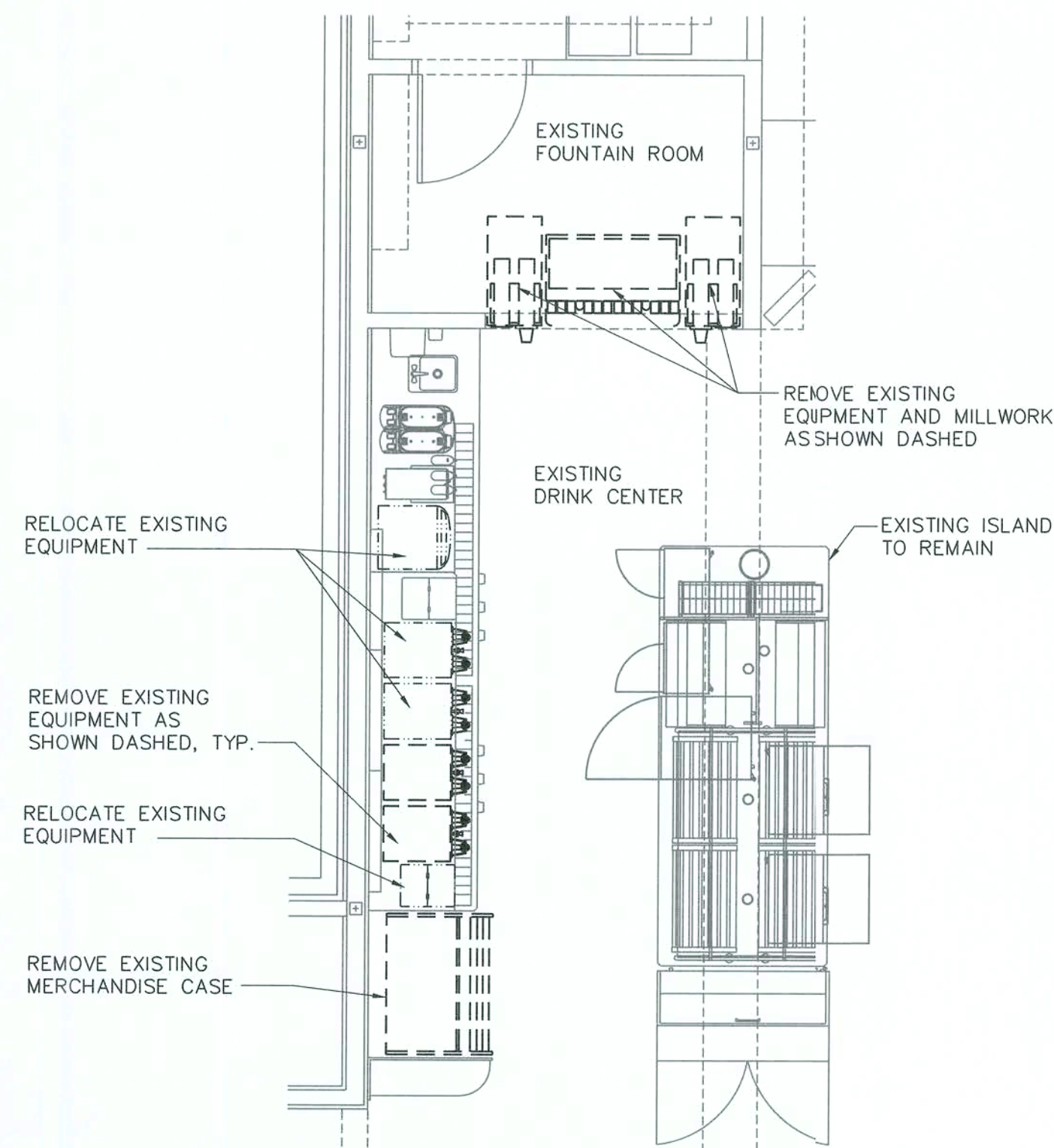
- EXISTING TO REMAIN
- EXISTING SHEAR WALL
- RELOCATE
- DEMOLITION
- CONCRETE TO BE REMOVED

GENERAL DEMOLITION NOTES

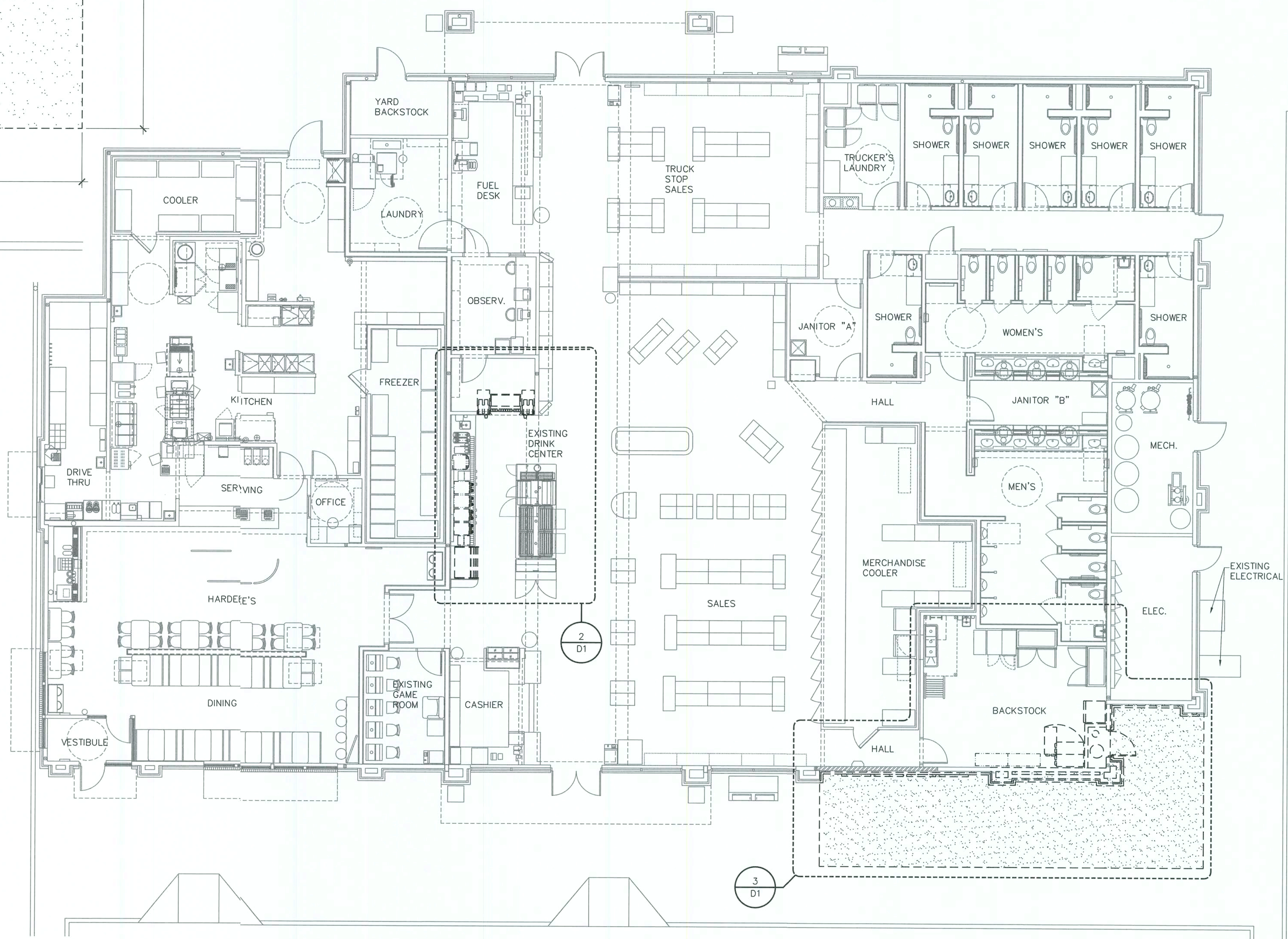
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER OR OWNER'S REPRESENTATIVE. NOTICE SHALL BE PROVIDED TO THE OWNER OF ANY INTERRUPTION OF SERVICES.
- CONTRACTOR IS TO ERECT TEMPORARY CONSTRUCTION BARRIERS AROUND EACH PHASE OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING ELEMENTS TO REMAIN (I.E., GLASS WALLS, CEILING ELEMENT, ETC.) WHICH ARE ADJACENT TO THE CONSTRUCTION AREAS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE HANDLING AND DUMPING COSTS FOR THE REMOVAL OF ALL REMOVED MATERIAL, TRASH, REFUSE ACCUMULATED ON THE JOB SITE OF ALL SUBCONTRACTORS. ALL DEBRIS REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER.
- THE GC IS RESPONSIBLE TO ENSURE THE SPACE AND ALL SURFACES ARE CLEAN UPON COMPLETION OF WORK.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL CONTROLS AND RELOCATING IF IN CONFLICT WITH NEW WORK AND IS RESPONSIBLE FOR MAINTAINING PRESENT BALANCED SYSTEM.
- GENERAL CONTRACTOR TO CONFER WITH OWNER REGARDING ANY DEMOLITION NOTED AND/ OR REQUIRED BEYOND THE WORK PERIMETER PRIOR TO THE START OF REMOVAL.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL EXISTING LIGHTING, HVAC EQUIPMENT, SPEAKERS, FIRE PROTECTION SYSTEMS, ELECTRICAL SYSTEMS, SECURITY SYSTEMS AND OTHER EQUIPMENT.
- CONTRACTOR IS TO INCORPORATE ANY MEANS NECESSARY TO PROTECT EXISTING FINISHES, EXISTING TO REMAIN.
- REMOVE ALL ABANDONED PIPING, WIRING, EQUIPMENT, ETC. ENCOUNTERED DURING THE COURSE OF CONSTRUCTION PER LOCAL, COUNTY AND FEDERAL CODES.
- THE CONTRACTOR SHALL PATCH/REPAIR AND FINISH TO MATCH ANY EXPOSED AREAS RESULTING FROM DEMOLITION. PATCH/REPAIR AND FINISH AS SHOWN IN PLANS OR TO MATCH ADJACENT SURFACES. REFER OWNER FOR FINISHES AT LOCATIONS IN QUESTION. PATCH/REPAIR AND FINISH SHALL BE CONTINUOUS W/EXISTING SURFACES & SHALL NOT INDICATE A PATCH OR REPAIR HAS BEEN MADE.
- MAINTAIN ACCESS TO JANITORS DURING DEMOLITION AND CONSTRUCTION.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL ENGINEERING REQUIRED FOR TEMPORARY SHORING REQUIRED AT ALL LOCATIONS WHERE LOAD BEARING BUILDING COMPONENTS ARE TO BE REMOVED.
- NOTES INDICATING DEMOLITION WORK ARE NOT DEFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL THE CONSTRUCTION DOCUMENTS, INCLUSIVE OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.
- CONTRACTOR TO VERIFY ALL PLUMBING REQUIREMENTS BASED ON NEW EQUIPMENT PROVIDED. IDENTIFY EXTENT OF SLAB REMOVAL PRIOR TO CUTTING. INSTALL NEW PLUMBING FIXTURES TO COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES.
- CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES AND SUBSEQUENT PATCHED THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. WHETHER THE WORK IS DONE BY HIS OWN FORCES OR NOT, CUTTING SHALL BE TO A STRAIGHT LINE, UN-WORKMANLIKE CUTTING, DAMAGE RESULTING FROM AND UNACCEPTABLE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE OWNER.
- PATCHING MATERIALS SHALL MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR, PATTERNS AND/OR TEXTURE.
- ALL EXISTING ELECTRICAL OUTLETS, SWITCHES, JUNCTION BOXES, CLEAN-OUTS AND PLUMBING ACCESS SHALL REMAIN ACCESSIBLE. CLEAN ALL TO LIKE NEW CONDITION.
- PLUMBING AND EQUIPMENT/FIXTURES: ALL EQUIPMENT AND FIXTURES ARE TO BE REMOVED UNO. WATER, GAS AND ELECTRIC UTILITIES ARE TO BE "CAPPED" BENEATH THE SLAB OR BEHIND A WALL. CUTS AND/OR PENETRATIONS TO THE SLAB WILL BE RE-POURED WITH "DRILLED IN DOWELS" AT 16" OC. WALLS ARE TO BE REPAIRED TO LIKE NEW CONDITION.



3 ENLARGED DEMO PLAN
1/4" = 1'-0"



2 ENLARGED DEMO PLAN
1/4" = 1'-0"



1 OVERALL DEMO PLAN
1/8" = 1'-0"

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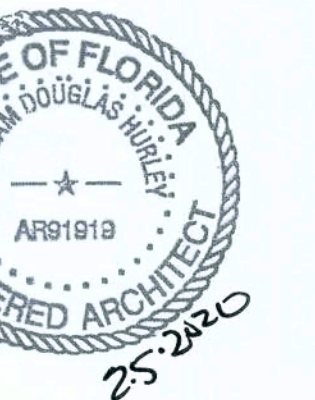
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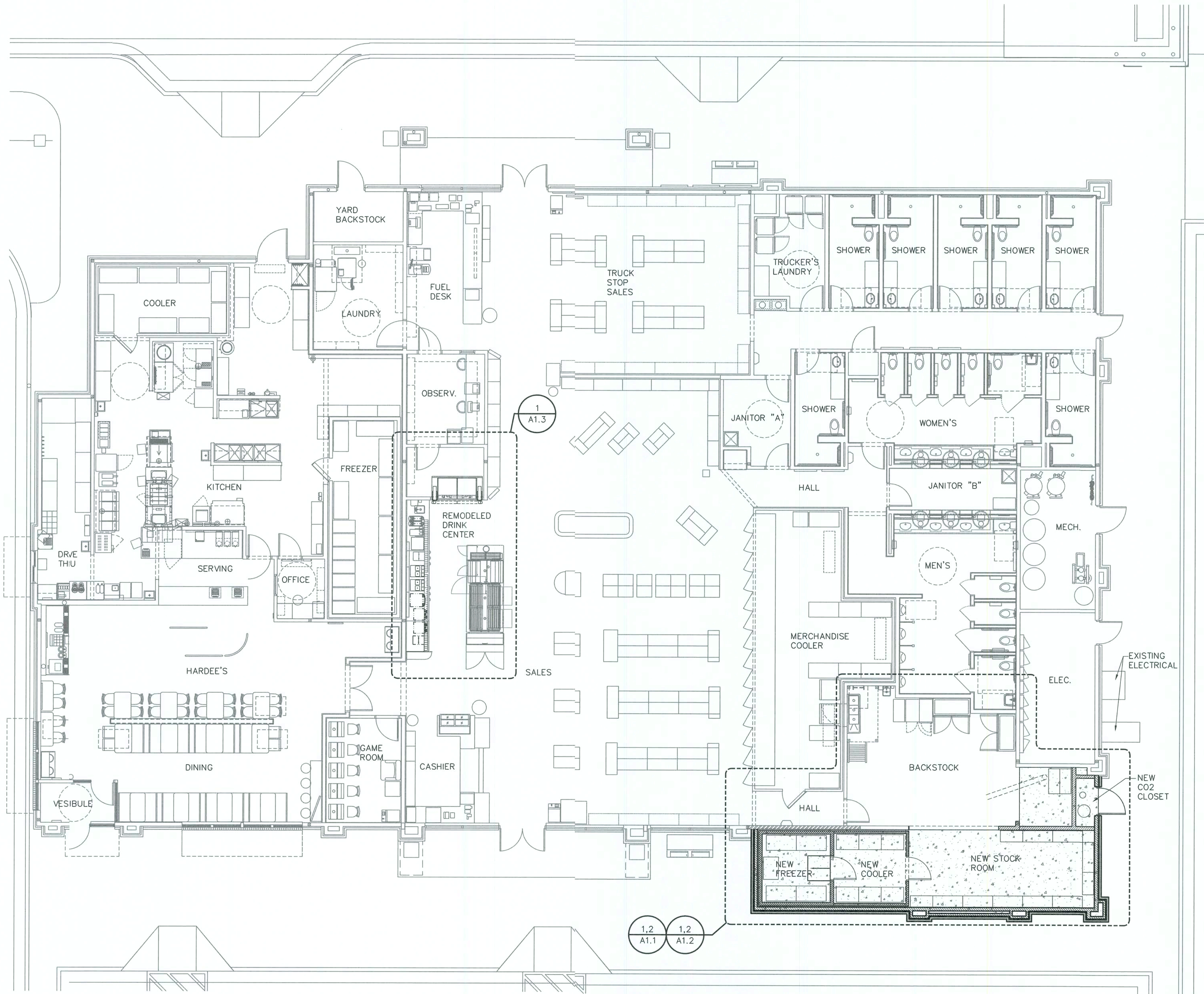


DEMOLITION
PLAN

SHEET:
D1

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PLAN LEGEND

- EXISTING TO REMAIN
- EXISTING SHEAR WALL
- NEW COOLER/FREEZER WALLS
- NEW STUD WALL PER WALL TYPE
- NEW CONCRETE SLAB
- RELOCATED EQUIPMENT
- NEW EQUIPMENT AND MILLWORK

GENERAL NOTES

- REFERENCE A4 FOR FINISHES AND DOORS SCHEDULE.
- REFERENCE A4 FOR ACCESSORY AND EQUIPMENT SCHEDULE.
- ALL FRAMING LUMBER, PLYWOOD AND CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED.
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- EXIT LIGHTS INSTALLED BY GC PER LOCAL CODE.
- EMERGENCY LIGHTS INSTALLED BY GC PER LOCAL CODE.
- EXTINGUISHERS, SMOKE AND FIRE DETECTION SYSTEMS INSTALLED BY GC PER LOCAL CODE.

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LAKE CITY, FL 32025
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JOB NUMBER: 2019.0328

Love's
Travel Stop &
Country Stores

ISSUE BLOCK

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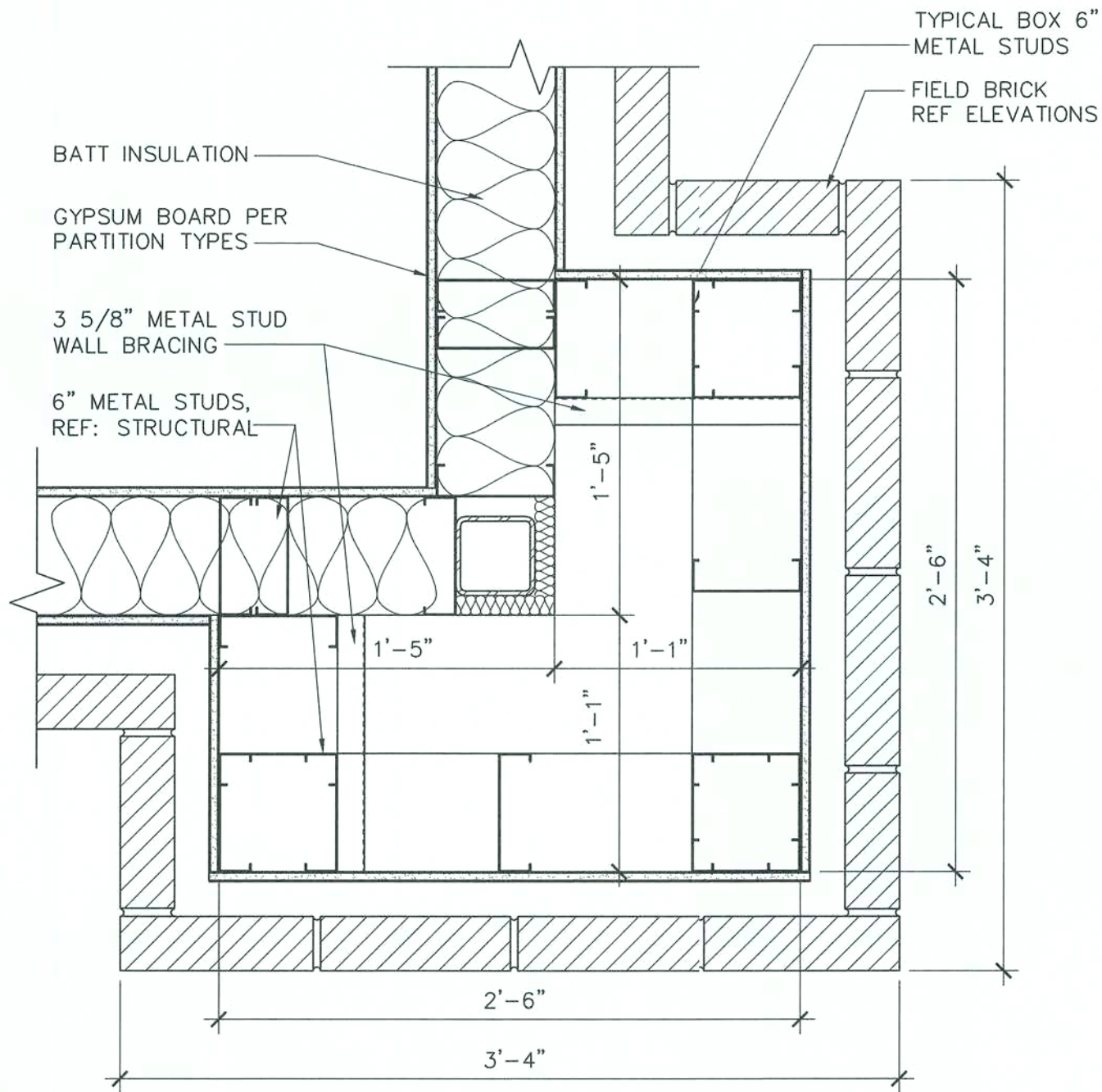


OVERALL FLOOR PLAN

SHEET:
A1

1 OVERALL FLOOR PLAN
1/8" = 1'-0"

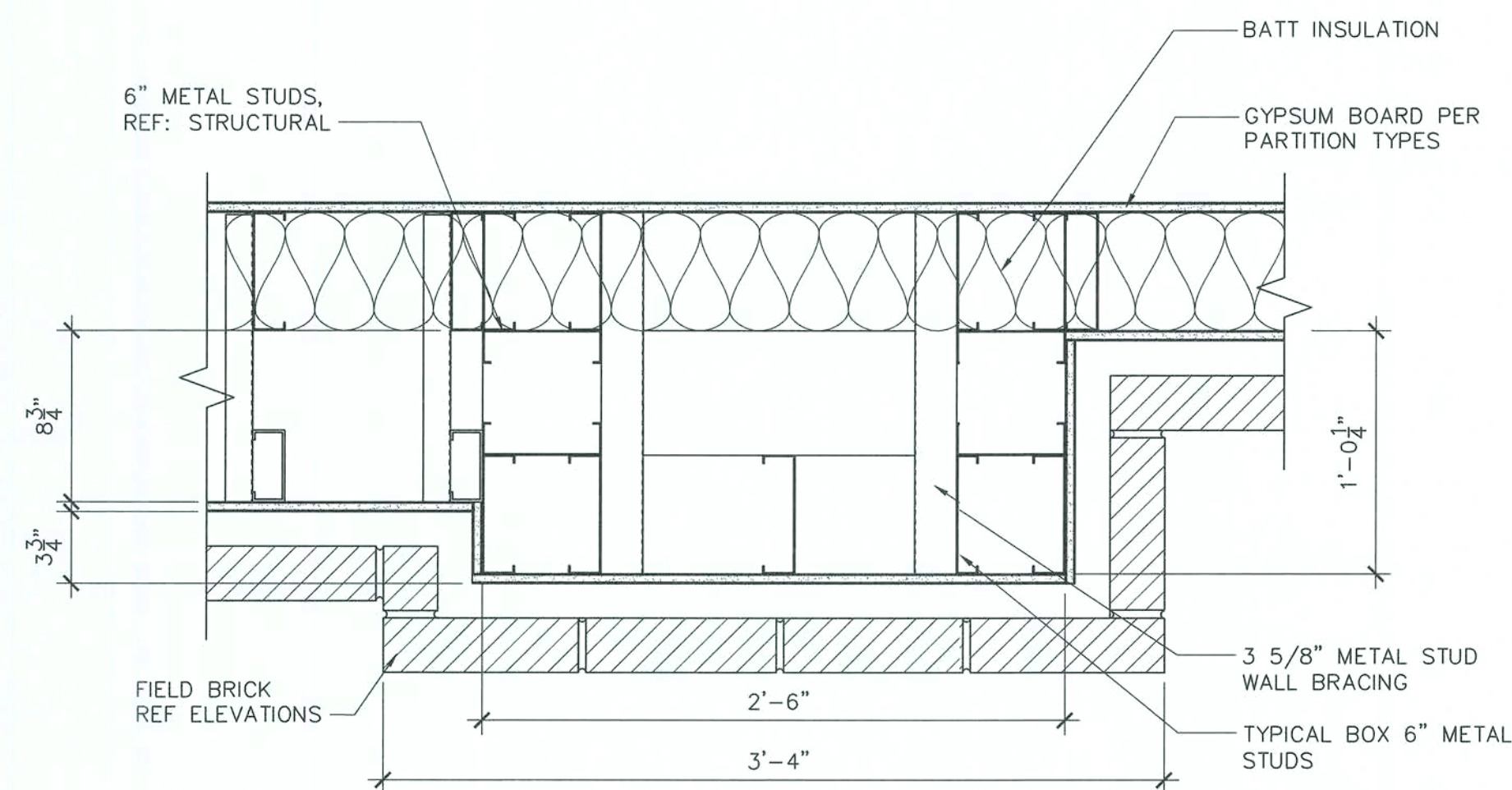
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FIELD VERIFY EXACT WALL AND MATERIAL THICKNESS AS REQUIRED. MATCH AND ALIGN FINISHES WITH EXISTING FOR A SMOOTH TRANSITION.

4 CORNER PILASTER DETAIL

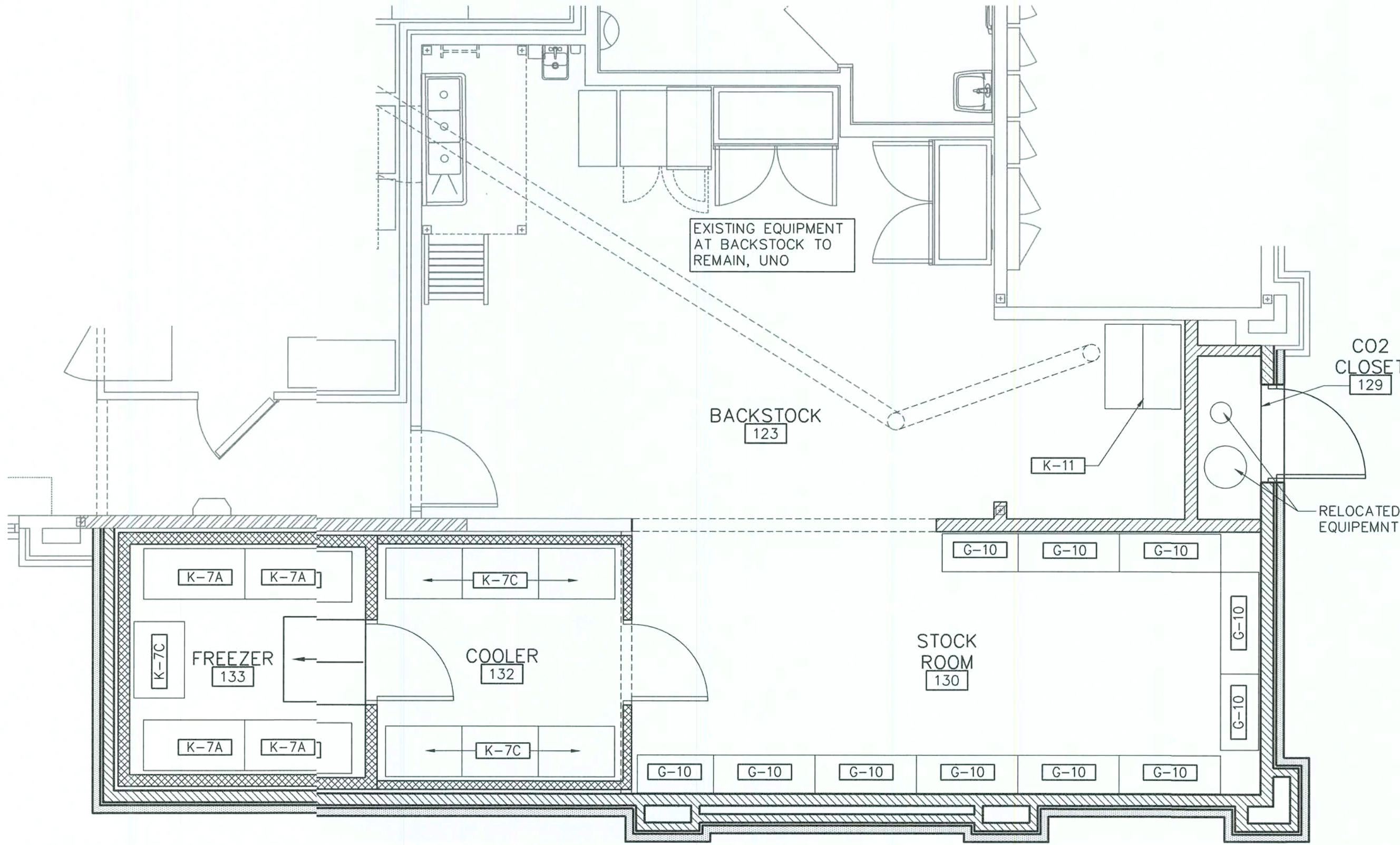
1 1/2" = 1'-0"



FIELD VERIFY EXACT WALL AND MATERIAL THICKNESS AS REQUIRED. MATCH AND ALIGN FINISHES WITH EXISTING FOR A SMOOTH TRANSITION.

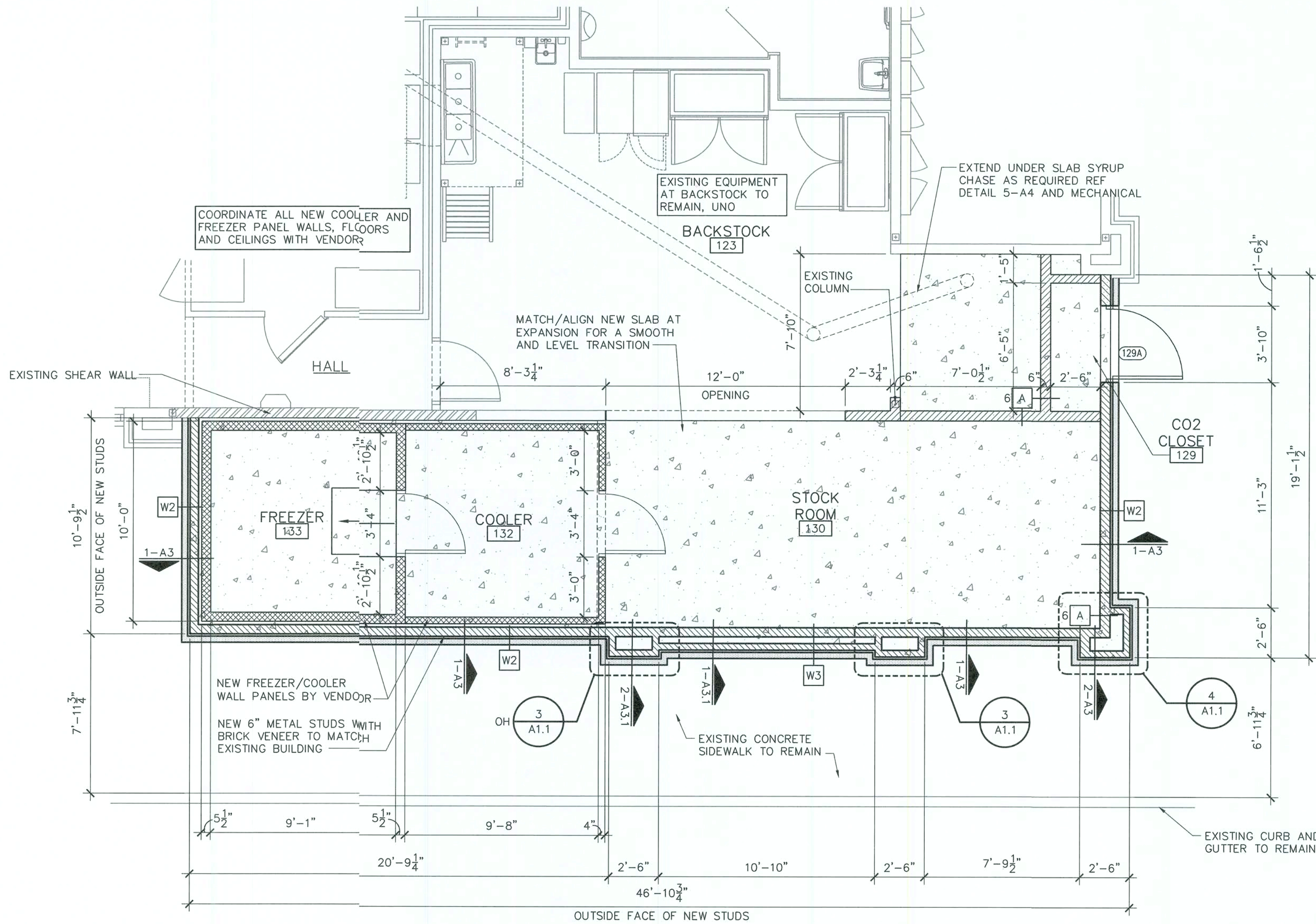
3 PILASTER DETAIL

1 1/2" = 1'-0"



2 EQUIPMENT PLAN

1/4" = 1'-0"



1 ENLARGED FLOOR PLAN

1/4" = 1'-0"

PLAN LEGEND

- EXISTING TO REMAIN
- EXISTING SHEAR WALL
- NEW COOLER/FREEZER WALLS
- NEW STUD WALL PER WALL TYPE
- NEW BRICK PER WALL TYPES AND ELEVATIONS

GENERAL NOTES

- ALL METAL STUDS ARE TO BE 20 GA. TYPICAL NON-LOAD BEARING PARTITIONS. SEE USG STEEL-FRAMED DRYWALL SYSTEMS "LIMIT HEIGHT - STEEL STUD ASSEMBLIES" CHART. USE THE L/240 ALLOWABLE DEFLECTION FIGURES ONLY.
- REFERENCE A4 FOR FINISHES AND DOORS SCHEDULE.
- REFERENCE A4 FOR ACCESSORY AND EQUIPMENT SCHEDULE.
- ALL WALL TILE VERTICAL JOINTS LOCATED AT INSIDE CORNERS SHALL BE CAULKED. MATCH TILE COLOR.
- ALL FRAMING LUMBER, PLYWOOD AND CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED.
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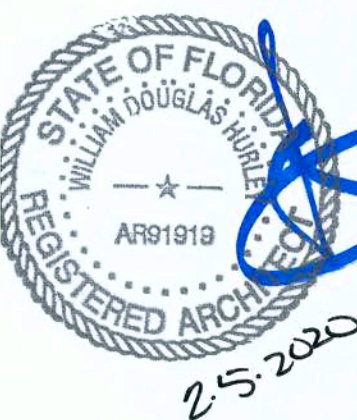
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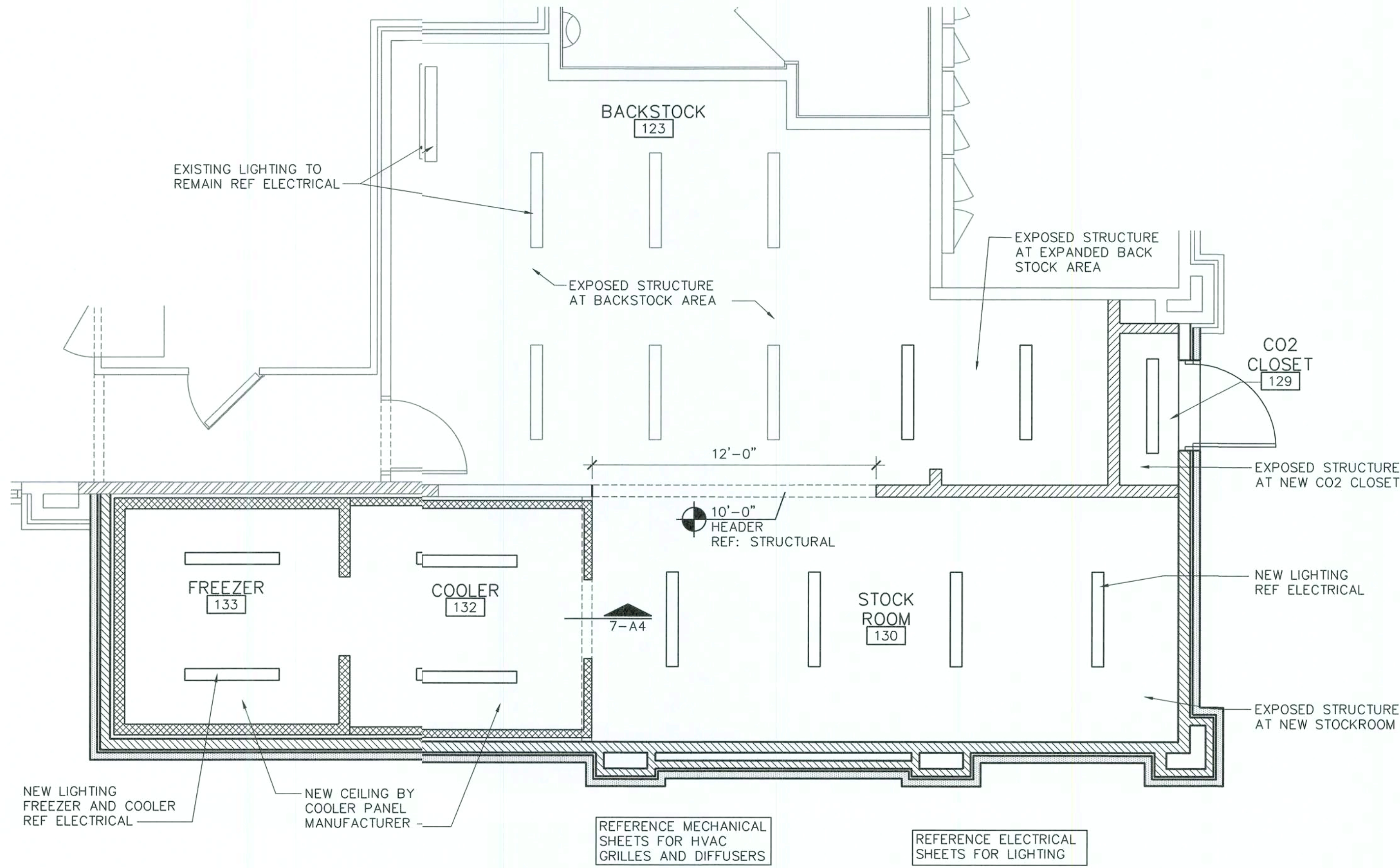
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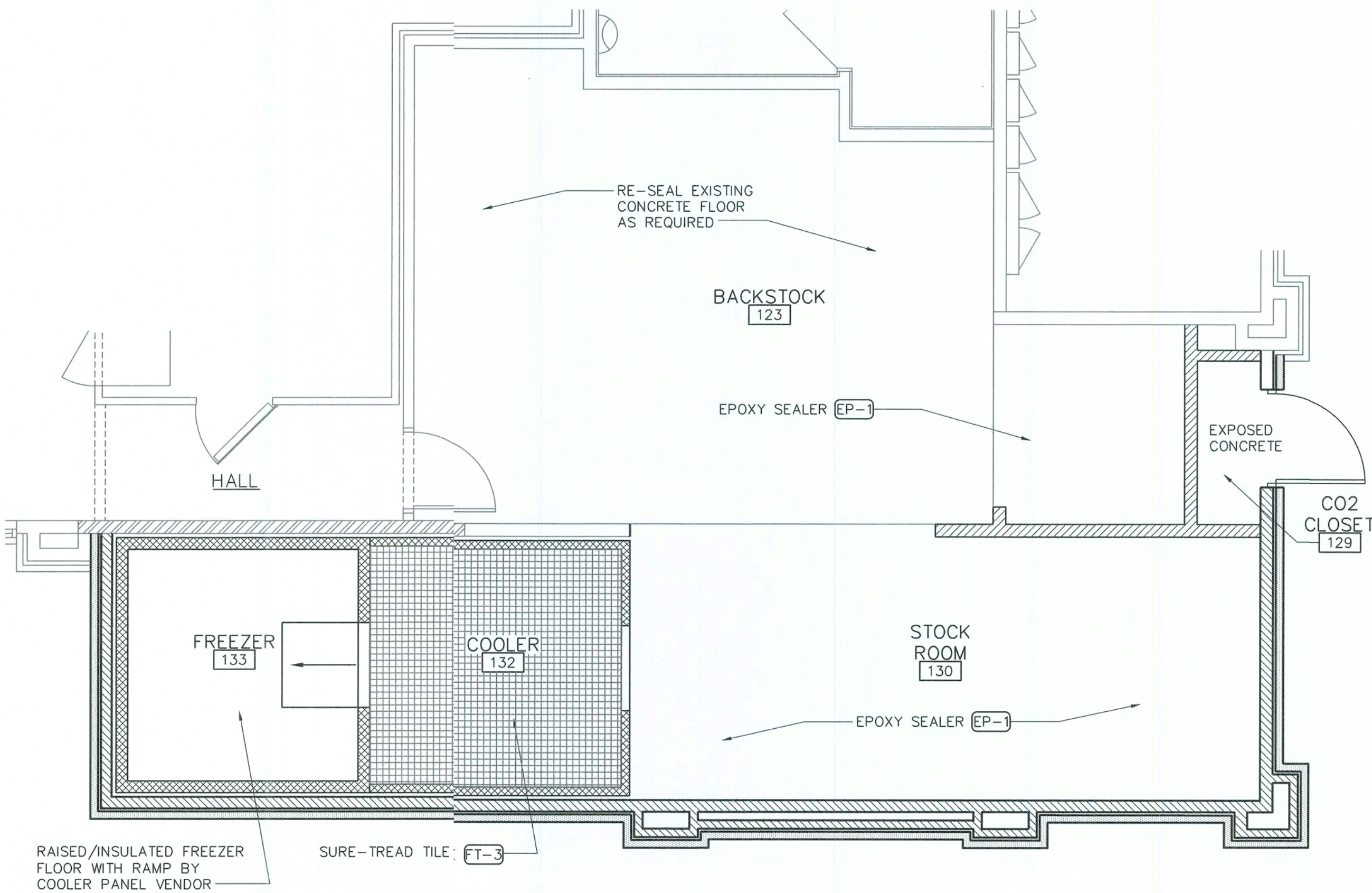
ENLARGED
FLOOR
PLANS
AND DETAILS

SHEET:
A1.1

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2 REFLECTED CEILING PLAN
1/4" = 1'-0"



1 FLOOR FINISH PLAN
1/4" = 1'-0"

GENERAL NOTES

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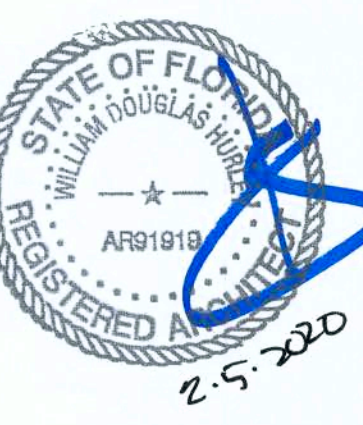
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ENLARGED
FLOOR
PLANS

SHEET:
A1.2

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PLAN LEGEND

- EXISTING TO REMAIN
RELOCATED EQUIPMENT
NEW EQUIPMENT AND MILLWORK

GENERAL NOTES

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- REFERENCE A4 FOR ACCESSORY AND EQUIPMENT SCHEDULE.
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ENLARGED
FLOOR
PLANS
AND
ELEVATIONS

SHEET:

A1.3

EXISTING FINISHES TO REMAIN
CLEAN, REPAIR AND REFURBISH
TO "LIKE NEW" CONDITION

EXISTING COFFEE BAR
SHOWN DASHED

SEAL ALL JOINTS, SEAMS AND AROUND
GROMMET TRIM ON COUNTERTOPS

DRINK CENTER, COUNTER AND NEW
CABINETS ARE ALL PROVIDED BY
MILLWORK CONTRACTOR AND INSTALLED
BY G.C. REF EQUIPMENT SCHEDULE

(2) EXISTING LCD
DIGITAL DISPLAYS

RELOCATED EQUIPMENT SHOWN DASHED

VERIFY OPENING HEIGHT
ADJUST AS REQUIRED TO
ACCOMMODATE NEW MILLWORK

NEW MILLWORK -
FINISHES TO MATCH EXISTING

EXISTING FINISHES TO REMAIN
CLEAN, REPAIR AND REFURBISH
TO "LIKE NEW" CONDITION

(3) EXISTING LCD
DIGITAL DISPLAYS

EXISTING EQUIPMENT
TO REMAIN

NEW ICE MAKER,
SHOWN DASHED
NEW SODA
DISPENSER SHOWN
DASHED

NEW DRINK BAR,
SHOWN DASHED

HOT TEA
WATER
DISPENSER
AND TEA
HOLDER, 12"
MIN 20"
PREFERRED

RELOCATED
EQUIPMENT,
TYP.

EXTEND
COFFEE BAR,
FINISHES TO
MATCH
EXISTING

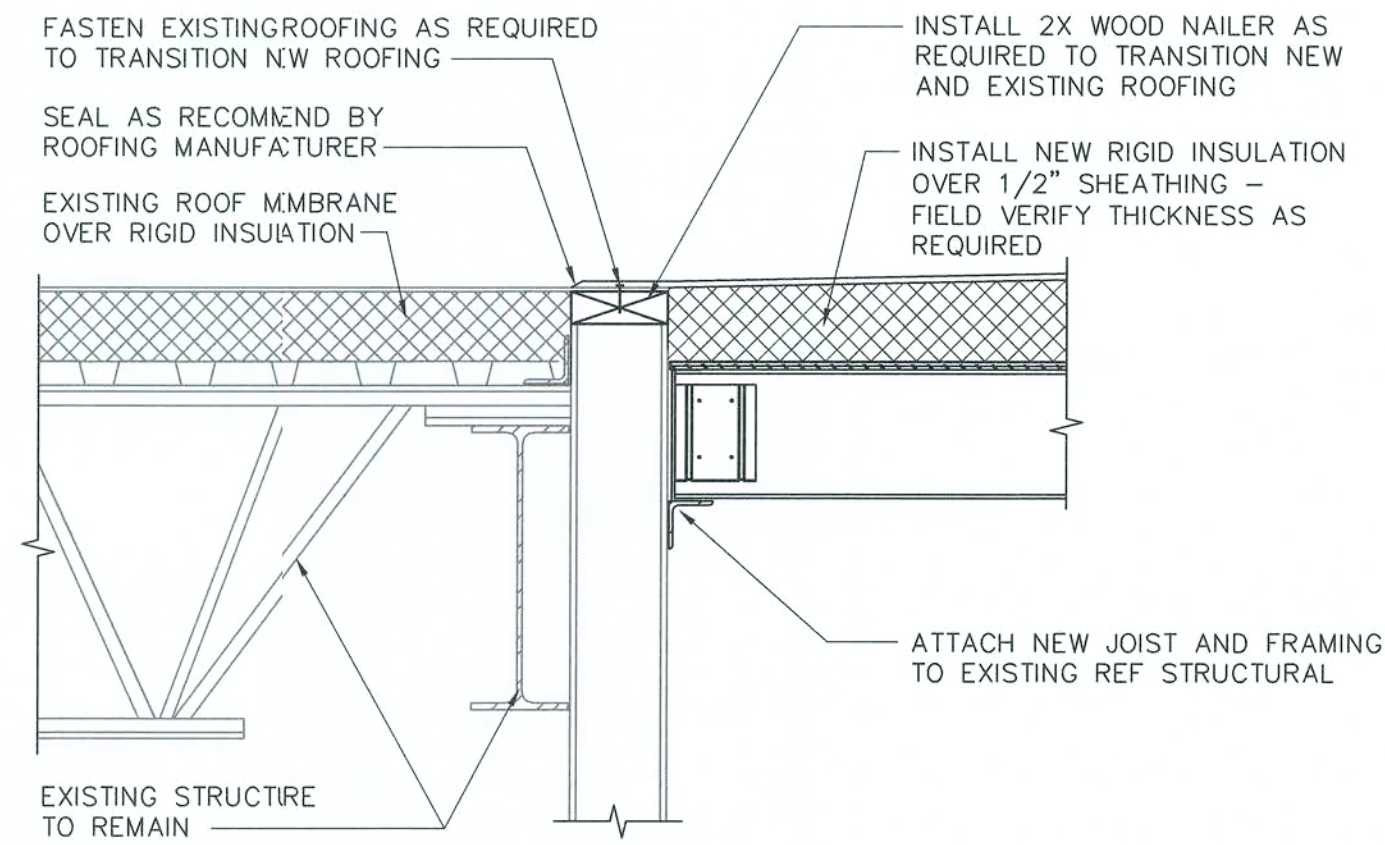
EXISTING ISLAND AND
EQUIPMENT TO REMAIN

3 INTERIOR ELEVATIONS
3/8" = 1'-0"

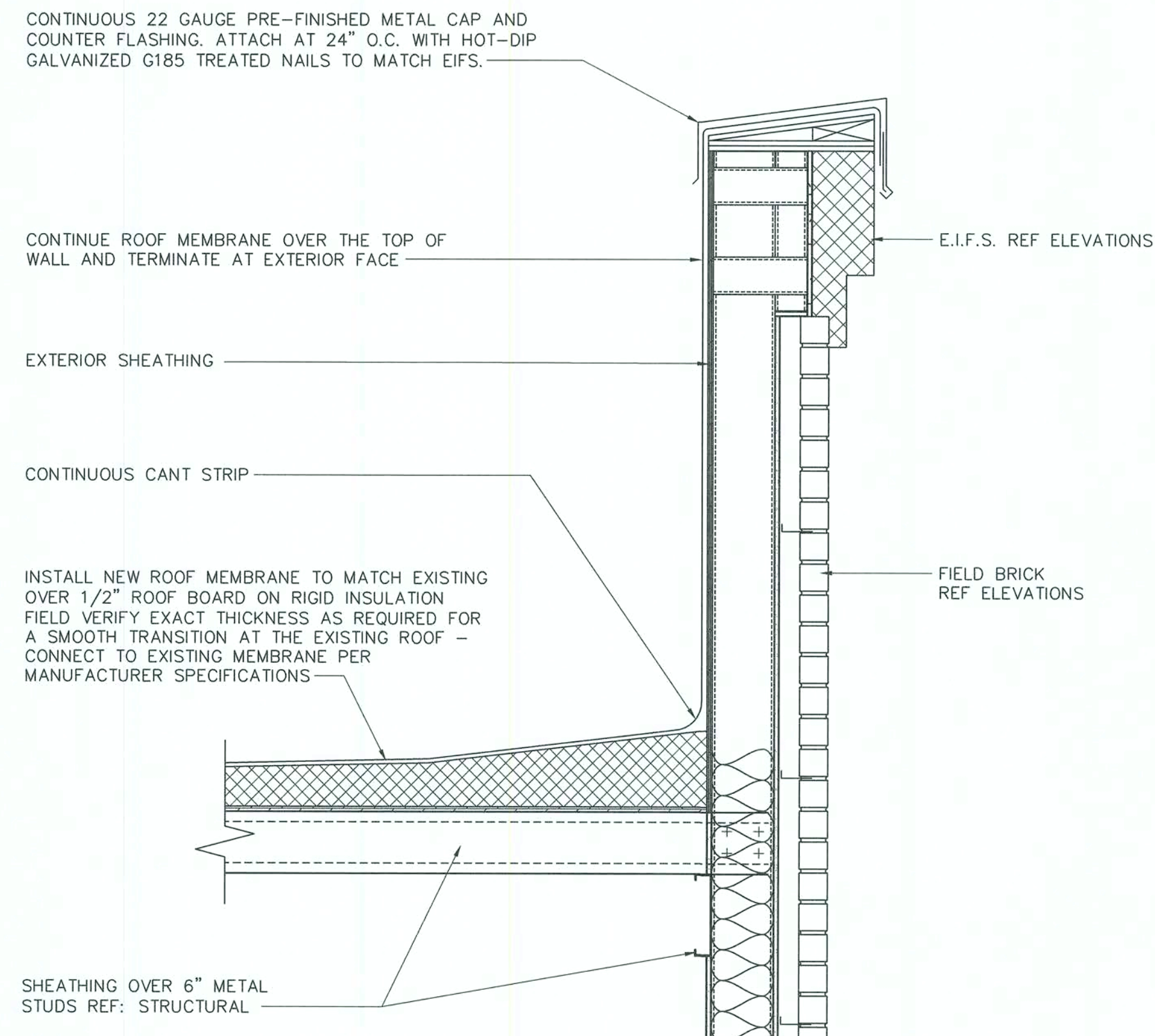
2 INTERIOR ELEVATIONS
3/8" = 1'-0"

1 ENLARGED FLOOR PLAN
1/4" = 1'-0"

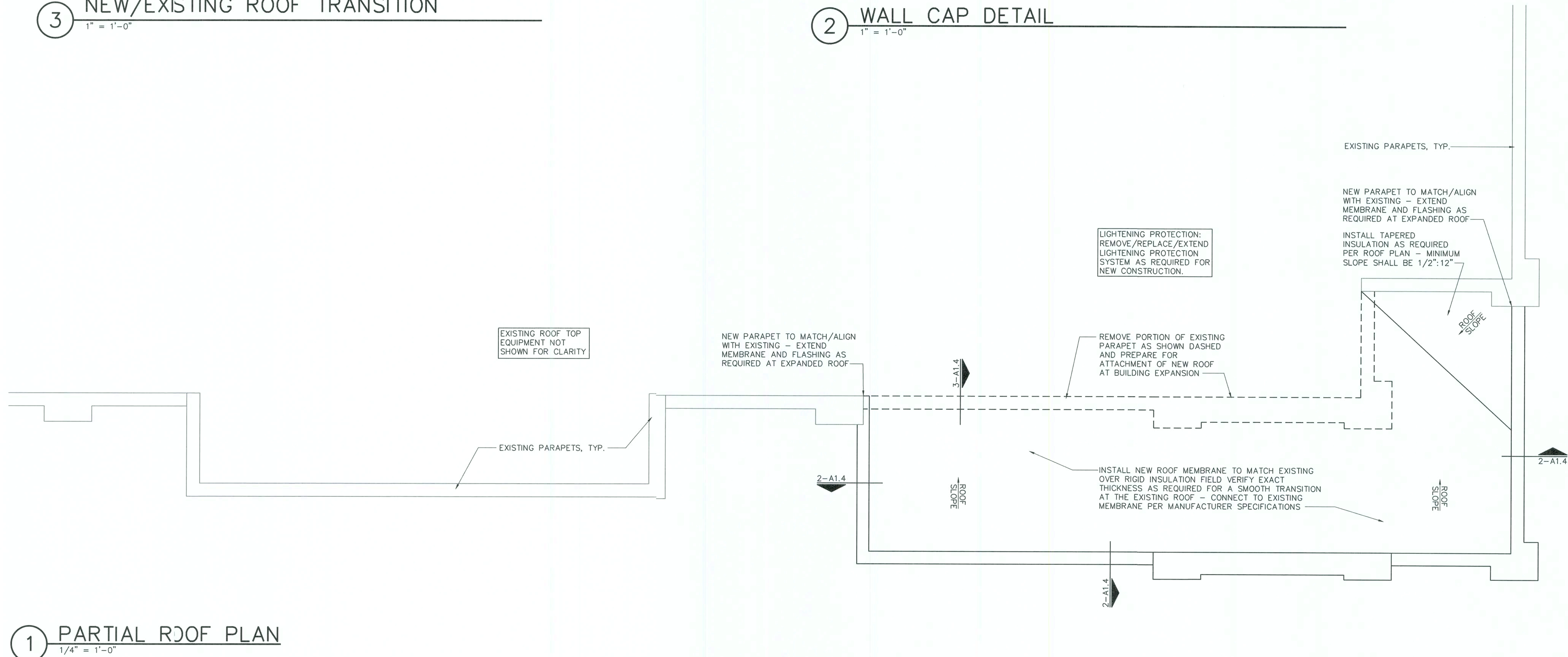
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3 NEW/EXISTING ROOF TRANSITION
1" = 1'-0"



2 WALL CAP DETAIL
1" = 1'-0"



1 PARTIAL ROOF PLAN
1/4" = 1'-0"

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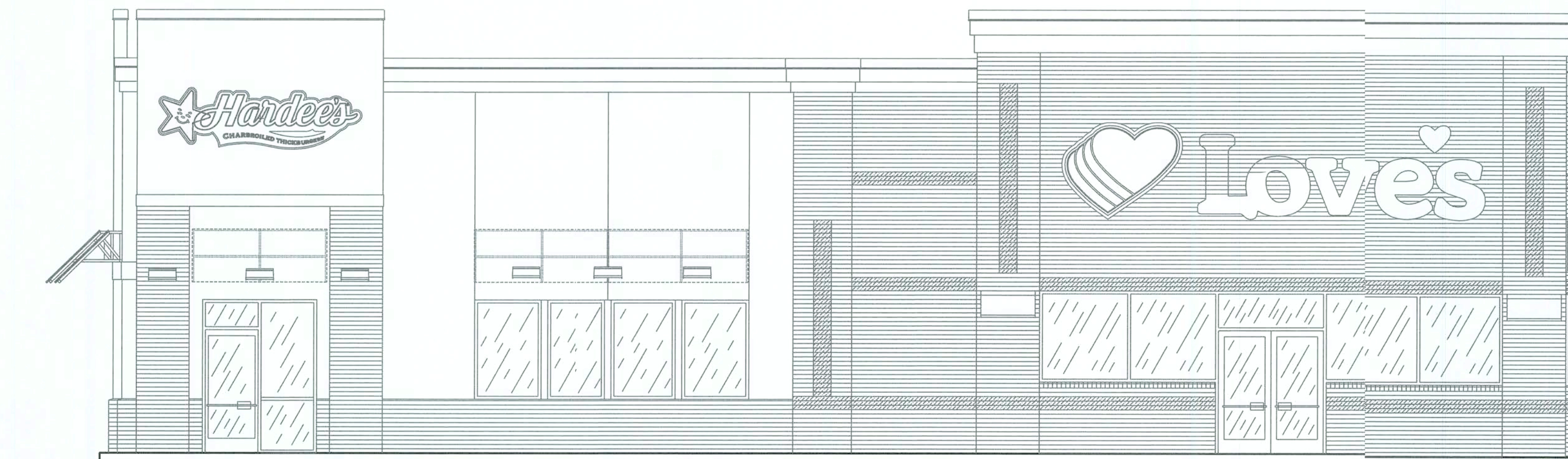
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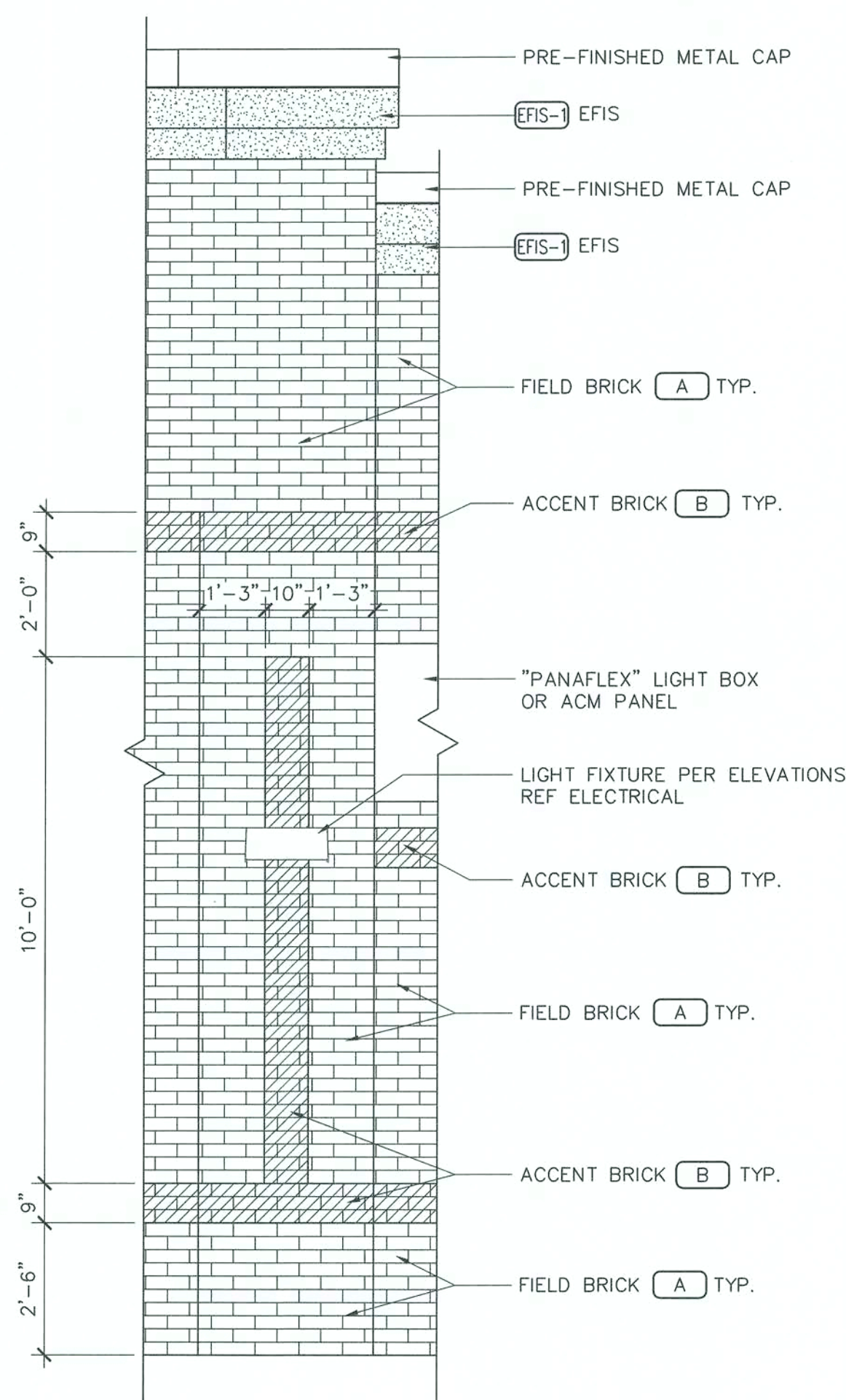
PARTIAL
ROOF PLAN
AND DETAILS

SHEET:
A1.4

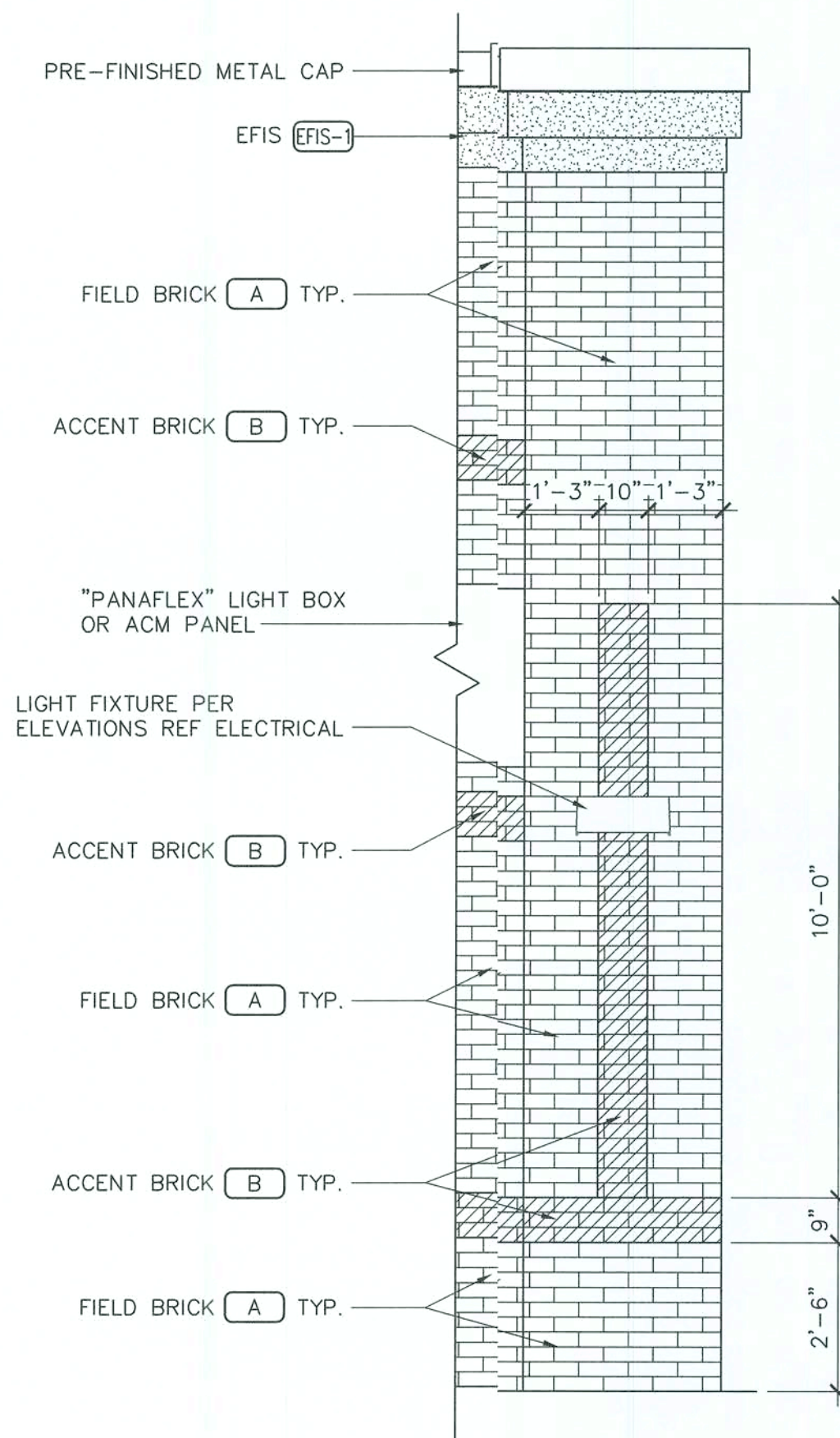
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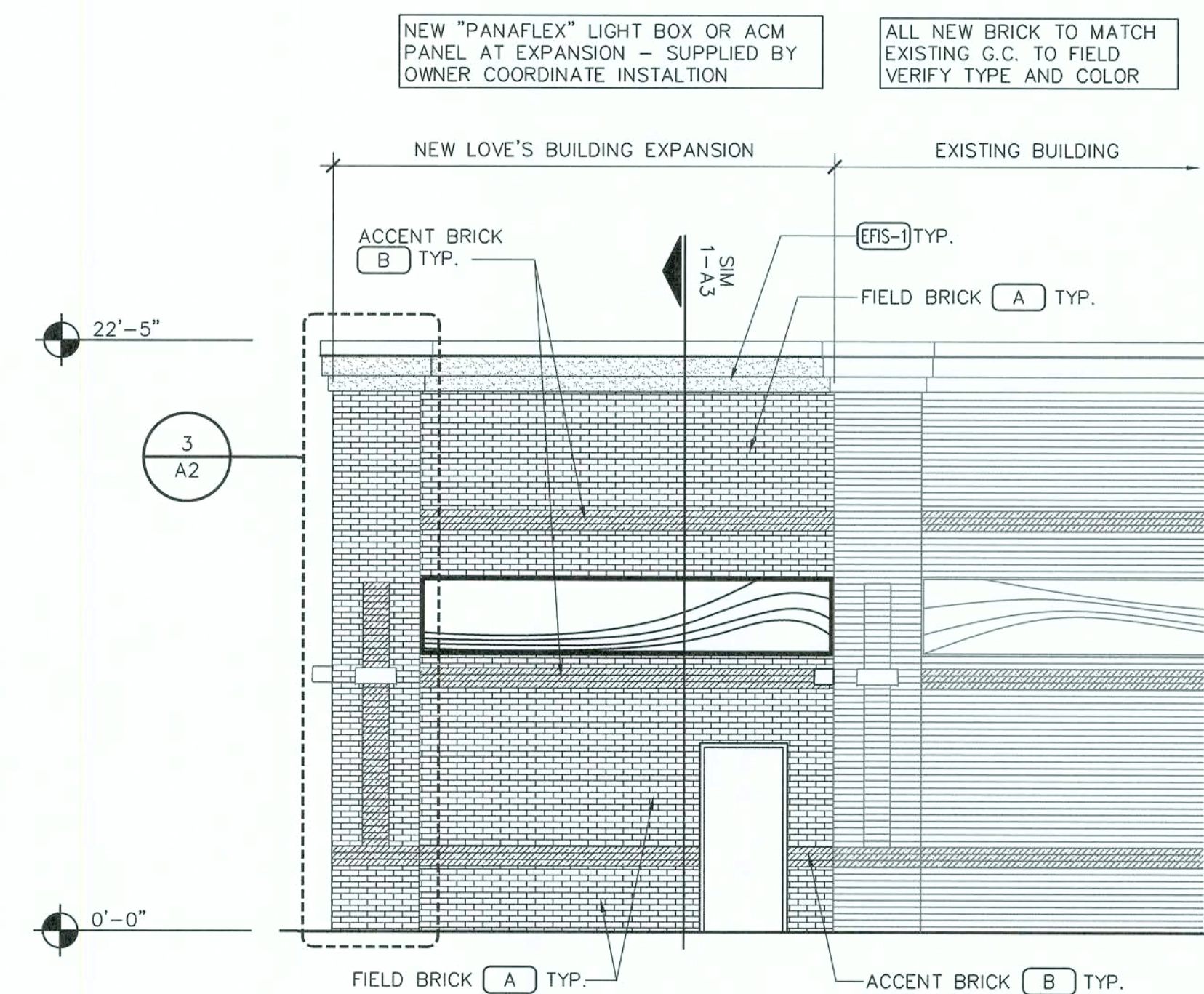
1 EXTERIOR ELEVATION
3/16" = 1'-0"



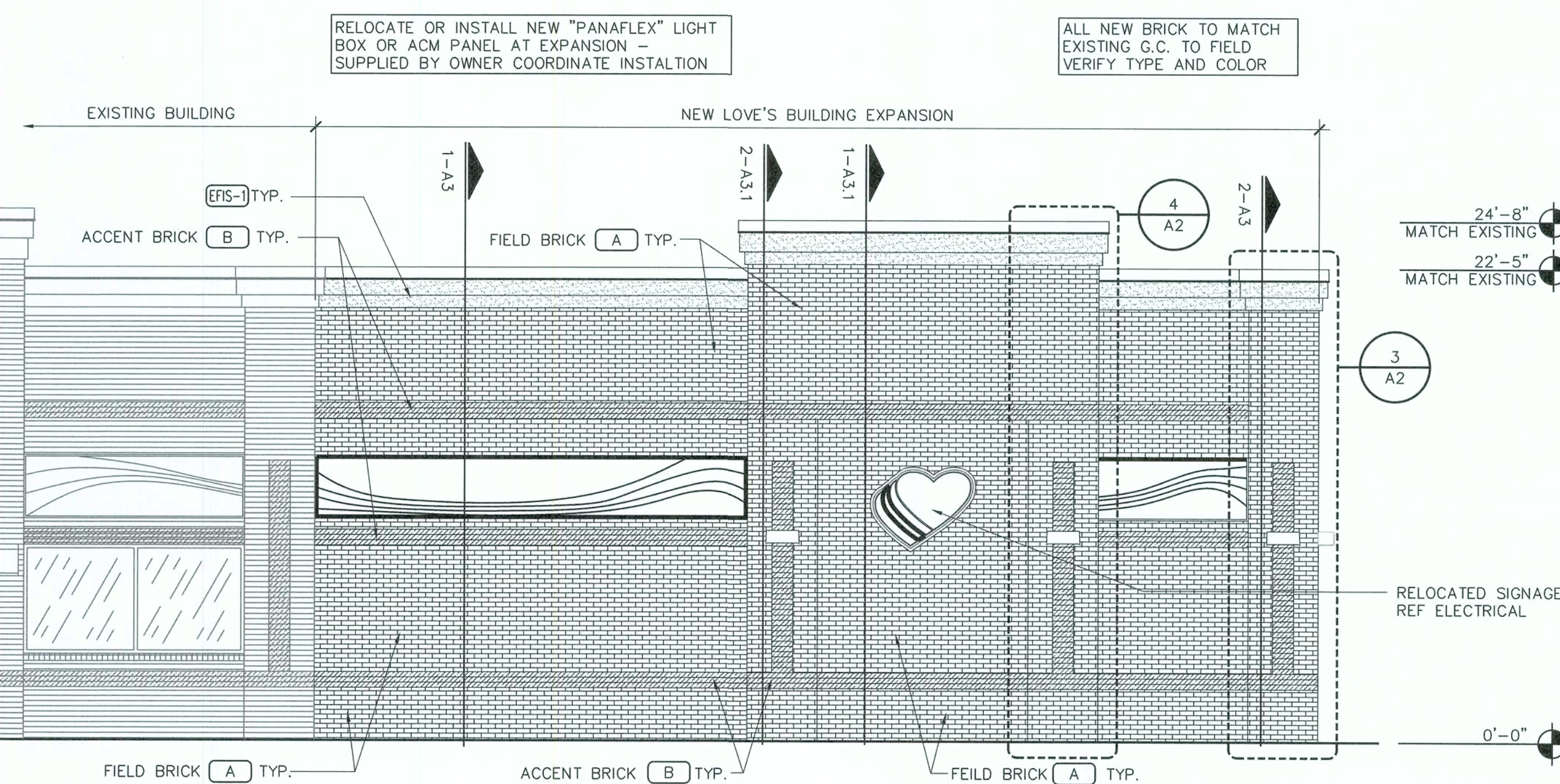
4 PILASTER ELEVATION
3/8" = 1'-0"



3 PILASTER ELEVATION
3/8" = 1'-0"



2 EXTERIOR ELEVATION
3/16" = 1'-0"



EXTERIOR ELEVATIONS

EXTERIOR FINISH LEGEND
(A) (FIELD BRICK)
ACME BRICK - BLEND 2 "GARNET" VELOUR - KING SIZE
WITH STANDARD GRAY MORTAR
(B) (ACCENT BRICK)
ACME BRICK - BLEND 207 "DRIFTWOOD" VELOUR - KING SIZE
WITH STANDARD GRAY MORTAR
(EFIS-1) (EFIS)
DRYVIT "BUCKSKIN" #449 - SANDPEBBLE TEXTURE

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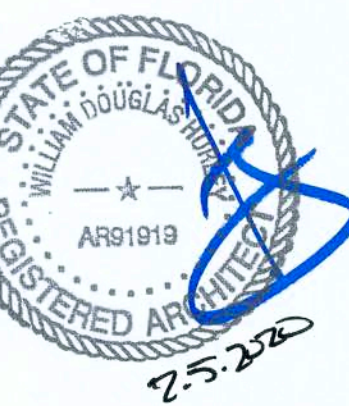
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WALL SECTIONS

SHEET: A3



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MEET: A3



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q:\loves\2019\0328 0724 ellisville fl - add hot to go\drawings\arch\sheets\1061 q3.1 wall sections 724.dwg

FIELD VERIFY EXACT WALL MATERIAL HEIGHT AND THICKNESS AS REQUIRED. MATCH AND ALIGN FINISHES WITH EXISTING FOR A SMOOTH TRANSITION.

CONTINUOUS 22 GAUGE PRE-FINISHED METAL CAP AND COUNTER FLASHING. ATTACH AT 24" O.C. WITH HOT-DIP GALVANIZED G185 TREATED NAILS TO MATCH EIFS.

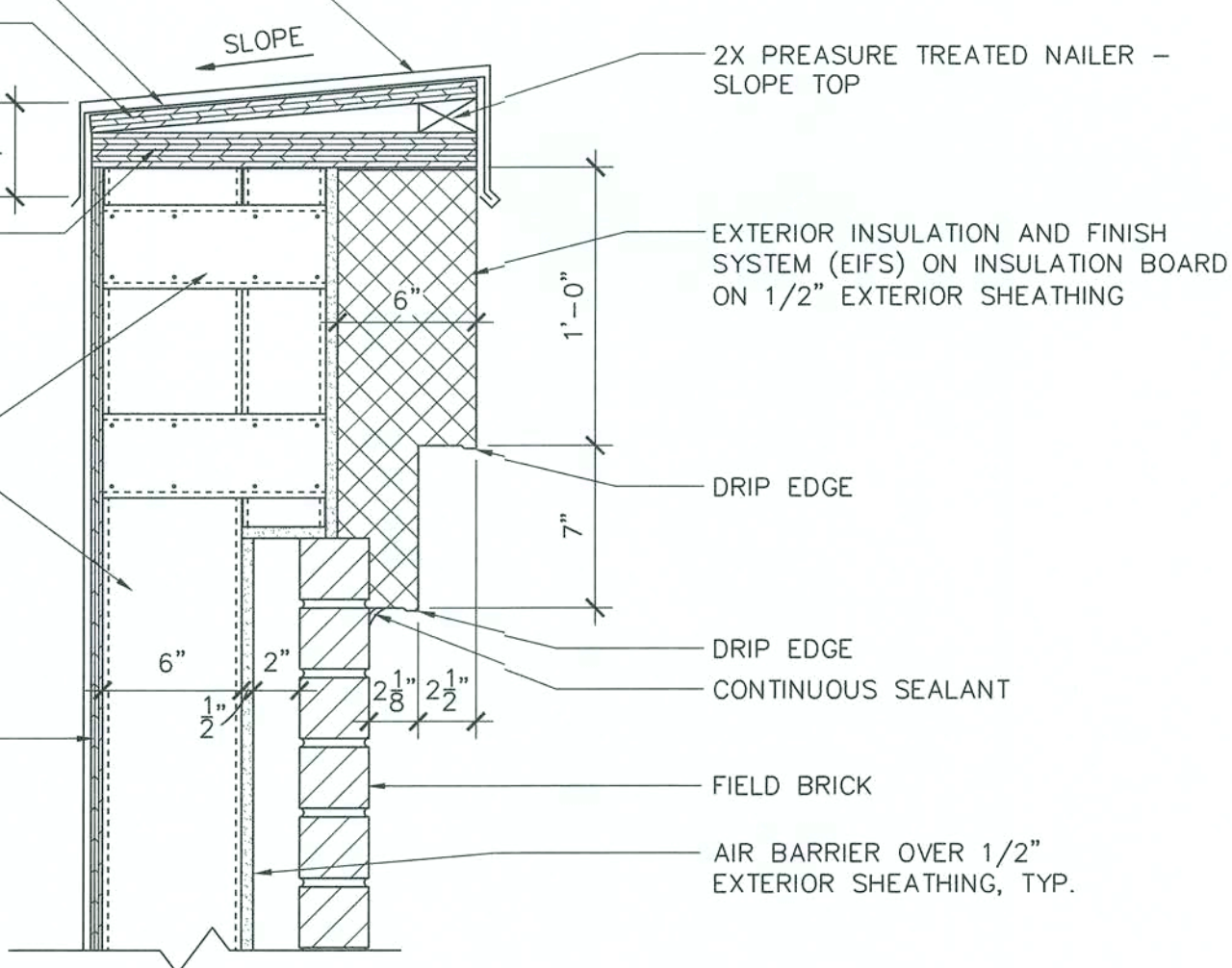
CONTINUE ROOF MEMBRANE OVER THE TOP OF WALL AND TERMINATE AT EXTERIOR FACE

3/4" EXTERIOR GRADE PLYWOOD

(2) LAYERS OF 3/4" EXTERIOR GRADE PLYWOOD

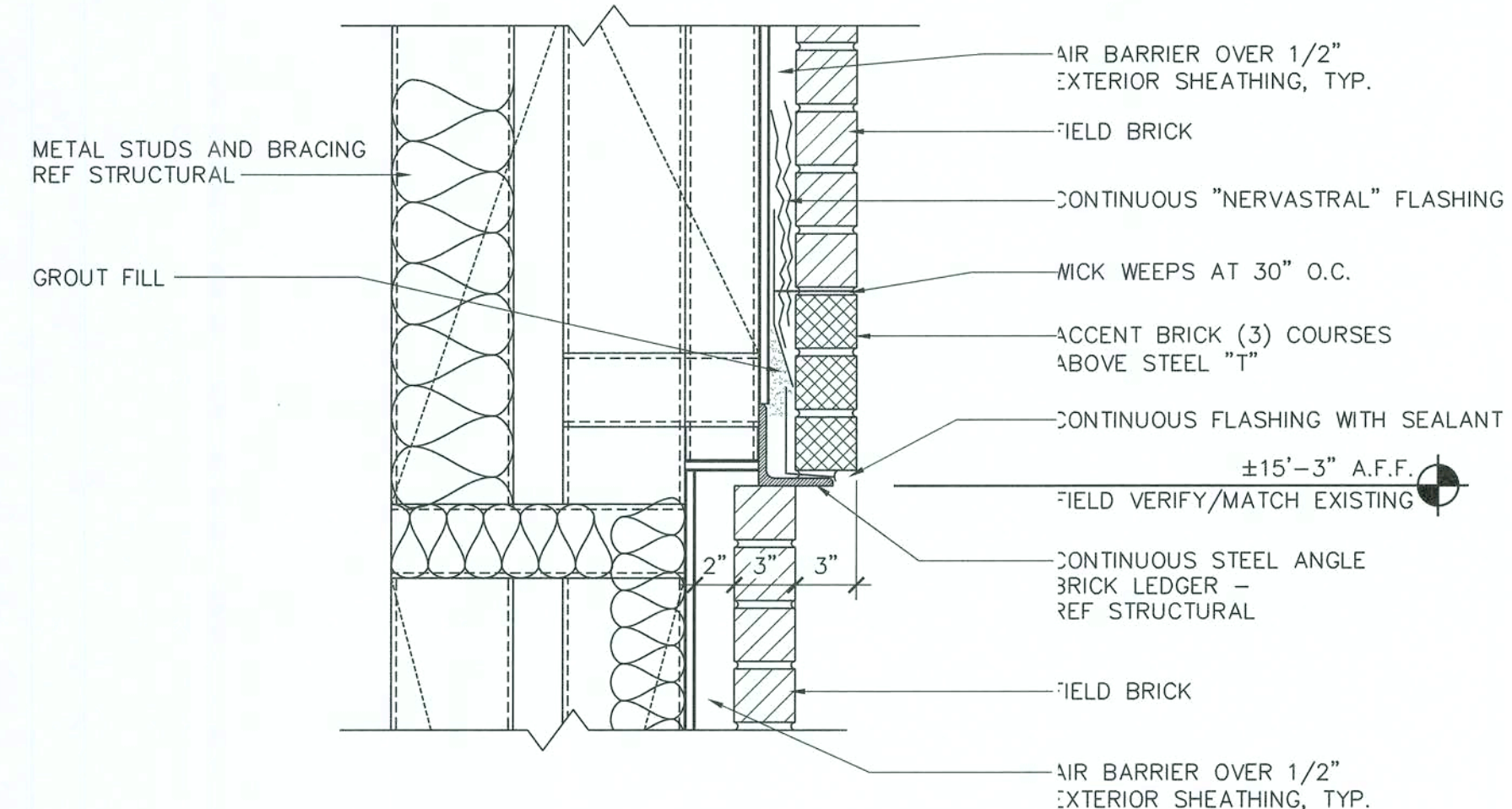
METAL STUDS AND BRACING REF STRUCTURAL

1/2" EXTERIOR SHEATHING

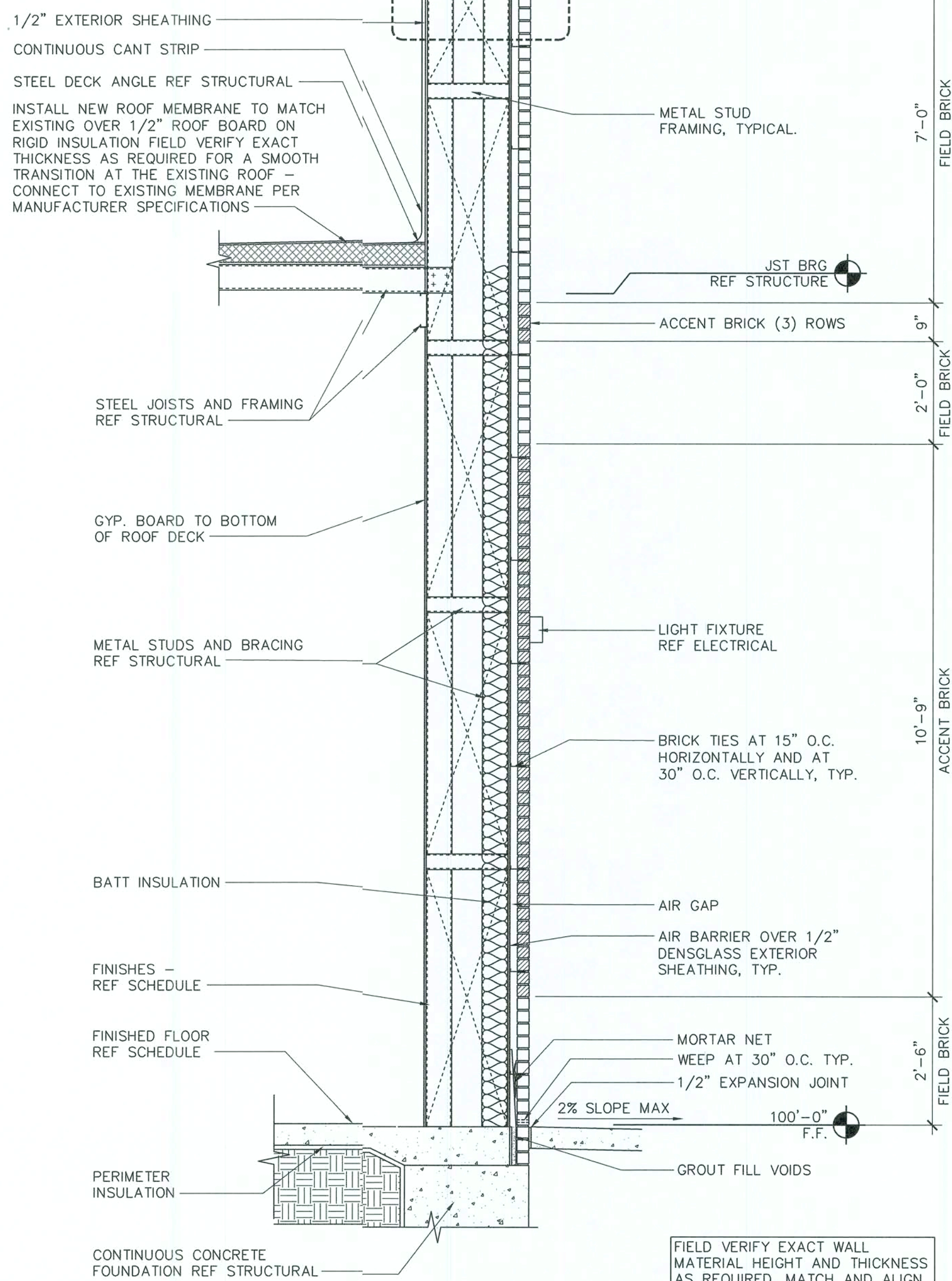


4 PARAPET DETAIL
1 1/2" = 1'-0"

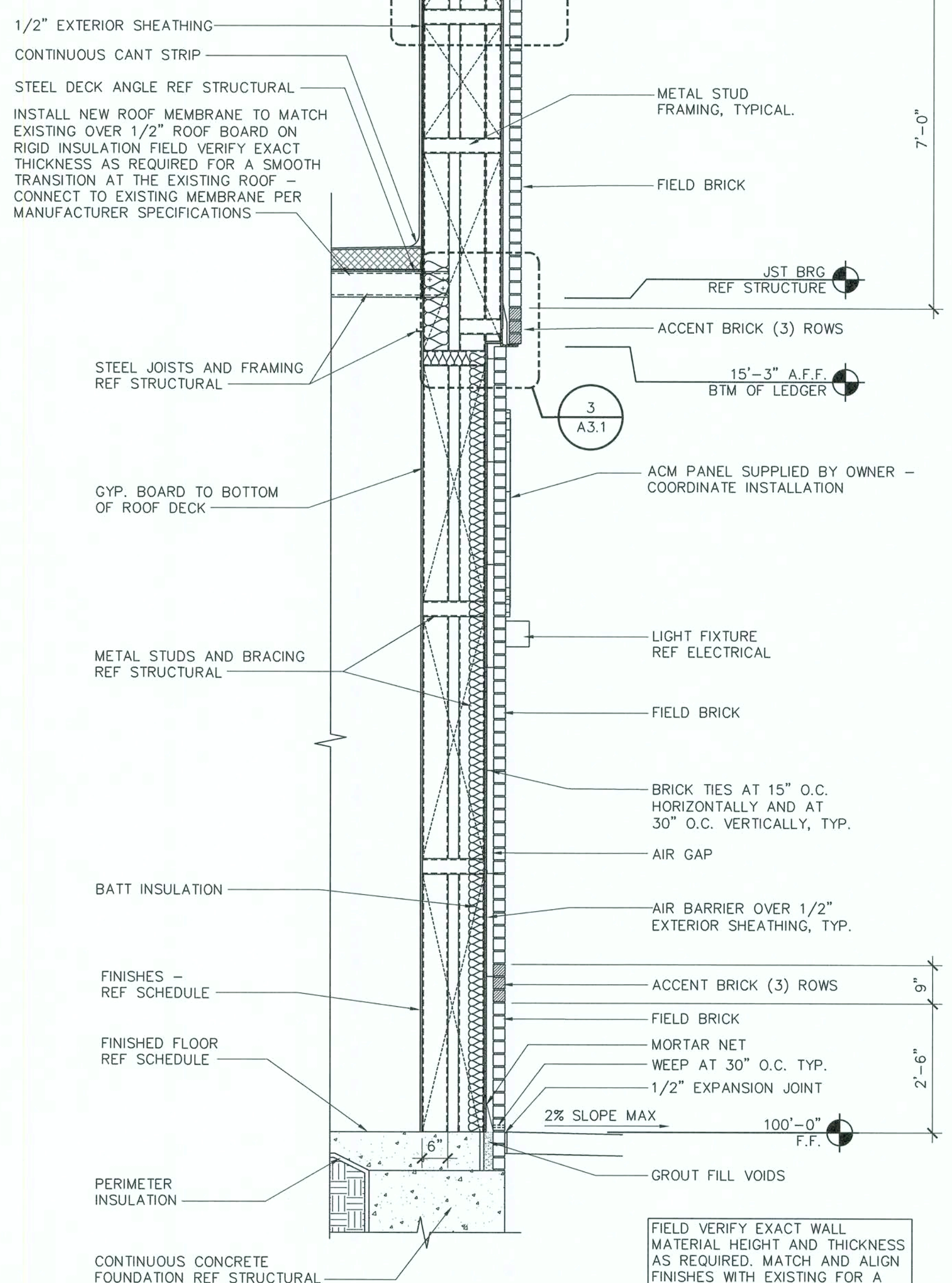
FIELD VERIFY EXACT WALL MATERIAL HEIGHT AND THICKNESS AS REQUIRED. MATCH AND ALIGN FINISHES WITH EXISTING FOR A SMOOTH TRANSITION.



3 LINTEL DETAIL
1 1/2" = 1'-0"



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



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

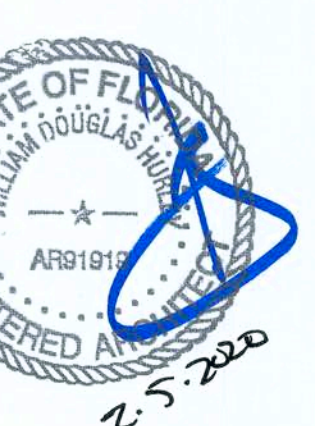
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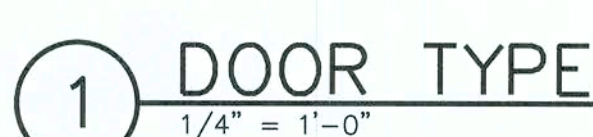
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WALL
SECTIONS
AND
DETAILS

SHEET:
A3.1

MARK	DESCRIPTION	MODEL	COMMENTS
EP-1	EPOXY	SIKADUR 55 SLV REF SPECS	
FT-3	SURFACE-TREAD	DALTILE 6"X6" SURETREAD, OQ76 GRAY - WITH MAPEI BLACK GROUT	AT WALK-IN COOLER
BS-1	RUBBER BASE	"ROPPE" BLACK - 4"	
PT-7	PAINT	SHERWIN WILLIAMS 7567 "NATURAL TAN" - LATEX OR PPG 1075-3 "ASUAL ELEGANCE"	

[illegible]

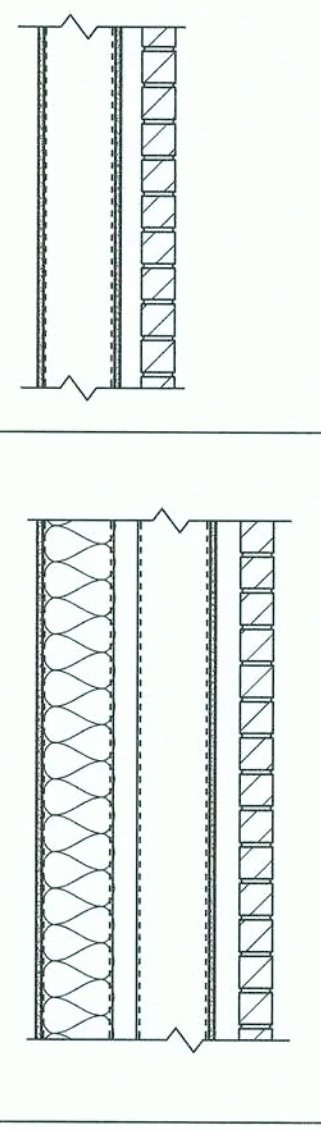
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	TYPICAL SUBSTRATES				FINISHES				CEILING FINISH	COMMENTS
				1	2	3	4	1	2	3	4		
123	BACKSTOCK	EP-1	BS-1	ETR	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	ETR	ETR	PT-7	PT-7	ETR	NONE	PLYWOOD TO RUN FROM FLOOR TO 12'-0"
129	CO2 CLOSET	SC-1	NONE	1/2" GYP BD	1/2" GYP BD	1/2" GYP BD	1/2" GYP BD	PT-7	PT-7	PT-7	PT-7	NONE	
130	STOCKROOM	EP-1	BS-1	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	1/2" GYP BD OVER 1/2" PLYWOOD OVER 5/8" GYP BD	PT-7	PT-7	PT-7	PT-7	NONE	PLYWOOD TO RUN FROM FLOOR TO 12'-0"
132	COOLER	FT-3	NONE	NONE	NONE	NONE	NONE	FACTORY	FACTORY	FACTORY	FACTORY	FACTORY	COOLER PANELS PROVIDED/INSTALLED BY BOX MANUFACTURER
133	FREEZER	FACTORY	FACTORY	NONE	NONE	NONE	NONE	FACTORY	FACTORY	FACTORY	FACTORY	FACTORY	FREEZER PANELS PROVIDED/INSTALLED BY BOX MANUFACTURER

REF: ELEC. & PLUMB. FOR REQUIREMENTS

ITEM	DESCRIPTION	MODEL	SUPPLIER/ INSTALLER	REMARKS
K-7A	24"x48" COATED WIRE SHELIVING	PER OWNER	OWNER / GC	
K-7C	24"x36" COATED WIRE SHELIVING	PER OWNER	OWNER / GC	
K-11	SYRUP BOX RACK	CORNELIUS 161111000Q3082	OWNER/ OWNER	
K-13A	POP - ICE DISPENSER	CORNELIUS IDC PRO	OWNER / GC	
K-22A	BEAN 2 CUP COFFE BREWER	SCHAEERER - COFFE ART C TOUCH	OWNER / GC	
K-60	POP - CUP DISPENSER	TO FIT "SOLO" BRAND CUPS	MILLWORK CONTRACTOR	
K-75	LID DISPENSER	-	MILLWORK CONTRACTOR	
K-93A	POST ICE MAKER	HOSHIZAKI F-2001MRJ-C	OWNER / GC	
G-10	18"x48" STORAGE SHELIVING	LOZIER MFG. SHELIVING	OWNER/ GC	
S-28	CUSTOM MILLWORK	-	MILLWORK CONTRACTOR	

1. WALL INSULATION WHERE INDICATED ON PLANS
2. WALL FINISHES AS INDICATED ON ROOM FINISH AND INTERIOR ELEVATIONS SCHEDULE
3. USE DEFLECTION CHANNEL AT DECKING CONNECTION ALL PARTITIONS THAT GO TO DECK FOR
4. ALL PARTITIONS THAT DO NOT GO TO DECK SHALL HAVE DIAGONAL BRACING BEGINNING 2" ABOVE THE CEILING FINISH BRACING: 3 1/8" 20 GAUGE METAL STUD BRACING @ 48" @ SECURE END TO BAR JOIST ABOVE
5. USE FIRE RATED 5/8" TYPE "X" GYP BD SUBSTRATE ON FIRE RATED PARTITIONS.
6. ON FIRE RATED PARTITIONS WHERE DENS SHIELD SUBSTRATE IS INDICATED, USE DENS SHIELD THAT IS EQUAL TO FIRE RATED "X" GYP BD SUBSTRATE.
7. SUBSTRATE TO STOP
 - * AT CEILING AT GYP BD CEILING CONDITIONS, TYP UNO
 - * AT 6" ABOVE LAY-IN CEILINGS, TYP UNO
 - * AT TOP OF STUD FOR ROOMS WITHOUT CEILINGS (EXPOSED TO STRUCTURE), TYP UNO
8. ALL WOOD AND PLYWOOD USED IN THE BUILDING SHALL BE FIRE RETARDANT TREATED
9. REFERENCE CAPTURE TRACK DETAIL 6/A4 FOR WALLS THAT CONNECT TO DECK.
10. MATCH TO THE BRIFY AND MATCH EXISTING EXTERIOR WALL FINISHES AND THE FINISHES AS REQUIRED TO MATCH/ALIGN FINISHES FOR A SMOOTH TRANSITION.

KING SIZE BRICK
MASONRY UNITS WITH
ACCENT BANDS WHERE
SHOWN OVER 1-3/4"
AIR SPACE OVER VAPOR
BARRIER OVER 1/2"
EXTERIOR SHEATHING
OVER 6" STRUCTURAL
STEEL STUDS AT 16" OC.



CONSTRUCTION SAFETY GENERAL NOTE

THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

Concrete General Notes

- 3100.1.
All detailing, fabrication and placing of reinforcing steel shall conform to the ACI Standard "Details and Detailing of Concrete Reinforcement" (ACI 315).
- 3100.2.
All concrete at slab-on-grade & footings shall develop a 28 day minimum compressive strength of 3,000 psi.
- 3100.3.
All concrete for footings & slab-on-grade shall have a 5" maximum slump.
- 3100.4.
All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- 3100.5.
All reinforcing bar splices shall be 44 bar diameters for #6 and smaller diameter bars. Reinforcing bar splices shall be 48 bar diameters for #7 and larger bar diameters.
- 3100.6.
All reinforcing bar hooks shall be ACI standard 90 degree hook, unless noted otherwise.
- 3100.7.
Provide two #4 x 4'-0" long diagonal bars at all re-entrant corners centered in slab and at other locations denoted on the plan.
- 3100.8.
Provide corner bars in footings & turn-down slab same size & spacing as longitudinal reinforcing.
- 3100.9.
Provide (1) #4 hoop with 8" lap in slab-on-grade around floor drains, columns & all slab penetrations 3" in diameter or greater. Also install around electrical conduit groupings 3" in diameter or greater.
- 3100.10.
Limit the width of conduit groups to 3'-0" as they pass under wall footings. As much as possible, align the conduit perpendicular to the footing as it passes under the footing. Provide a minimum spacing of 2'-0" between conduit groups as the conduit passes under a footing.
- 3100.11.
Plate dowel system shall be Diamond Dowel System by PNA Construction Technologies, the Speed Plate System by Sika Corp. or approved equal. Install plate dowels at slab construction joints (if required).
- 3100.12.
Welded wire fabric shall conform to ASTM A1064. Provide mesh in flat sheets.
- 3100.13.
Wire fabric reinforcing shall lap 6" and be securely wired at each side and end.
- 3100.14.
Smooth dowels shall be steel conforming to ASTM A36.
- 3100.15.
All slots, sleeves and other embedded items shall be set before concrete is placed. See Architectural, Electrical, Mechanical, and Vendor's drawings for size & locations.
- 3100.16.
Bar supports at footings & slabs-on-grade shall be factory made wire bar supports, type "SB" linear supports.
- 3100.17.
Epoxy for doweling reinforcement shall be HY-200 by Hilli, U.N.O.
- 3100.18.
Maximum net allowable bearing pressure = 2,500 psf for continuous footings & 3,000 psf for isolated spread footings. Footings shall bear on approved material described in the Soils Report (Teracon Consultants, Inc., Project No. EQ165139, dated January 10, 2017). Exterior footings shall bear a minimum of 18" below lowest adjacent finish grade. The contractor shall thoroughly review the project Geotechnical Report for earthworks construction requirements.

FOUNDATION SUBSURFACE PREPARATION NOTE:

- THE NEW ADDITION FOUNDATION HAS BEEN DESIGNED BASED ON A SHALLOW FOUNDATION AND SLAB-ON-GRADE SYSTEM AS RECOMMENDED IN THE PROJECT GEOTECHNICAL REPORT REFERENCED IN GENERAL NOTE 3100.18. THE CONTRACTOR SHALL REFER TO THE PROJECT GEOTECHNICAL REPORT AND FULLY ADHERE TO THE RECOMMENDATIONS THEREIN.
- IF THE GEOTECHNICAL RECOMMENDATIONS CANNOT BE FULLY ADHERED TO FOR ANYREASON, THE CONTRACTOR SHALL OBTAIN A LICENSED GEOTECHNICAL ENGINEER IN THE PROJECT STATE TO PROVIDE ALTERNATE RECOMMENDATIONS FOR SUPPORT OF THE NEW ADDITION.

Light Gauge Steel General Notes

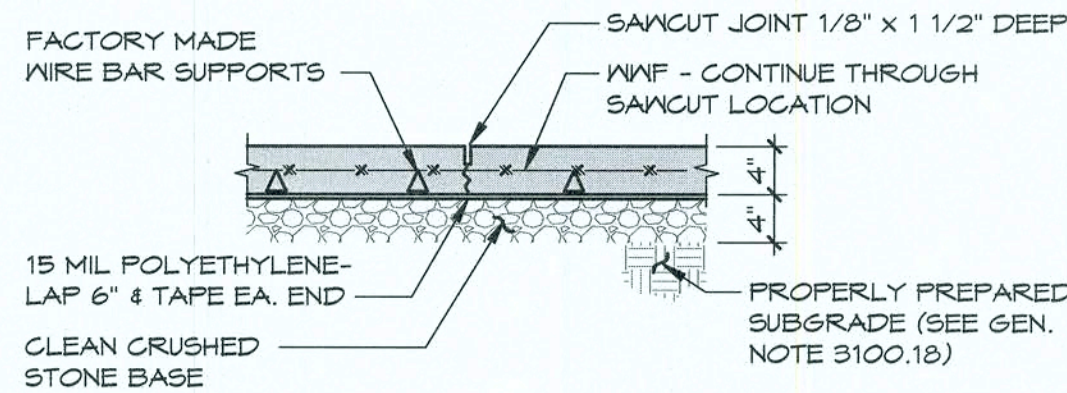
- 5400.1.
All structural studs and headers shall be of the type, size, gauge and spacing as shown on the drawings.
- 5400.2.
All framing members shall be formed from steel, corresponding to the requirements of ASTM C455.
- 5400.3.
All framing members shall be installed in accordance with the requirements of ASTM C1007.

Wood Framing General Notes

- 6100.1.
All exterior walls shall be sheathed with 1/2" APA rated plywood sheathing along outside face of stud wall for full height of wall. Attach plywood to metal stud wall with #12 screws @ 6" o.c. along panel edges and 12" o.c. at intermediate studs.
- 6100.2.
Roof sheathing shall be 1/2" (15/32" min. nominal) APA rated plywood sheathing, (32/16) Exposure 1. All roof sheathing shall be fastened to supporting members with #12 screws @ 6" o.c. at panel edges and at 12" o.c. at intermediate supports (in the panel field).
- 6100.3.
All sheathing shall conform to the American Plywood Association (APA) design specifications, latest edition.

Design Loads

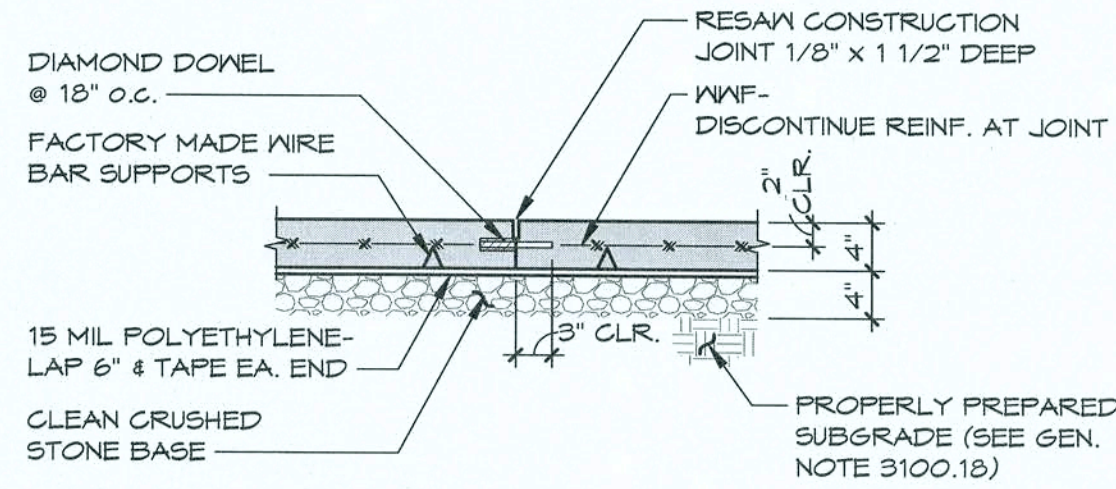
- Roof Dead Load: 10 psf
- Roof Live Load: 20 psf
- Snow Load:
 - Ground Snow Load 0 psf
- Wind Load:
 - Ultimate Design Wind Speed (V_{ult}) 121 mph
 - Nominal Design Wind Speed (V_{nom}) 93.0 mph
 - Risk Category II
 - Wind Exposure C
- Building Code:
 - 2017 Florida Building Code (Incorporating the 2015 IBC)



1 TYP. SLAB-ON-GRADE CONTROL JT. DTL. (CJ)
3/4" = 1'-0"

NOTES:

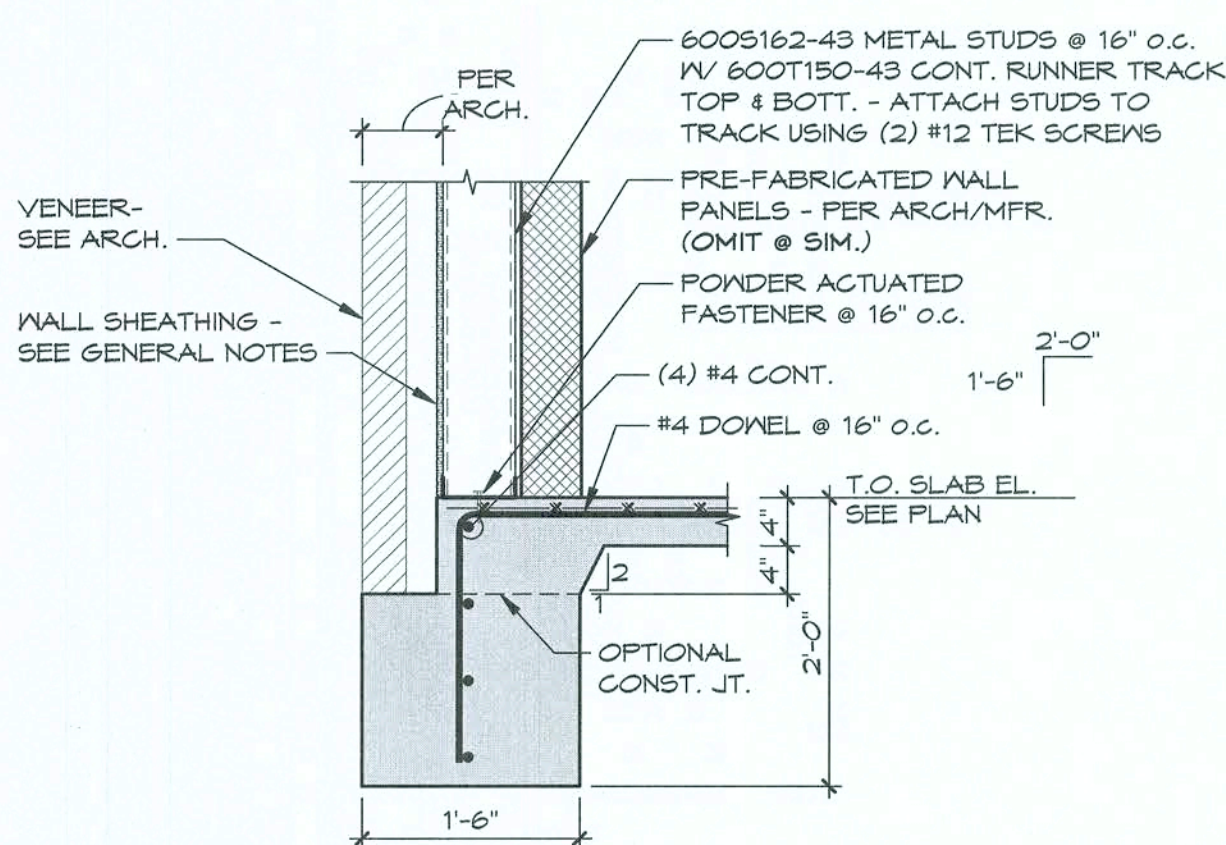
- THIS DETAIL SHALL ONLY BE USED WHEN CONCRETE PLACEMENT IS DISCONTINUOUS AT CONTROL JOINT LOCATION.
- PROVIDE DIAMOND DOWEL SYSTEM AS MANUFACTURED BY PNA CONSTRUCTION TECHNOLOGIES OR THE SPEED SYSTEM BY SIKACORP. AT CONSTRUCTION JOINTS IN WALL, FLOOR AREAS, COORD. W/ ARCH. FOR CONSTRUCTION JOINT LOCATIONS.



2 TYP. SLAB-ON-GRADE CONSTRUCTION JT. DTL. (CSJ)
3/4" = 1'-0"





TYPICAL STRUCTURAL ABBREVIATIONS

A.R.	ANCHOR ROD	FLR	FLOOR	PSI	POUNDS PER SQUARE INCH
ACI	AMERICAN CONCRETE INSTITUTE	FTG	FOOTING	R	RADIUS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	GA	GAUGE	REINF	REINFORCEMENT
ARCH	ARCHITECT	GALV	GALVANIZED	REQ'D	REQUIRED
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	H.S.A.	HEADED STUD ANCHOR	RTU	ROOF TOP UNIT
BLDG	BUILDING	HK	HOOK	S.O.G.	SLAB ON GRADE
BM	BEAM	HORIZ	HORIZONTAL	SCHED	SCHEDULE
BOTT	BOTTOM	J.B.E.	JOIST BEARING ELEVATION	SECT	SECTION
BRG	BEARING	JST	JOIST	SECR	STRUCTURAL ENGINEER OF RECORD
CLR	CLEAR	JT	JOINT	SIM	SIMILAR
COL	COLUMN	L	ANGLE	SJI	STEEL JOIST INSTITUTE
CONC	CONCRETE	LG	LONG	SFA	SPECIFICATIONS
CONN	CONNECTION	LLH	LONG LEG HORIZONTAL	STDS	STANDARDS
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL	STD	STANDARD
DIA. or Ø	DIAMETER	LONG	LONGITUDINAL	STIFF	STIFFENER
DIM	DIMENSION	MAX	MAXIMUM	STL	STEEL
DN	DOWN	MBM	METAL BUILDING MANUFACTURER	TOC	TOP OF CONCRETE
do	DITTO	MECH	MECHANICAL	TOF	TOP OF FOOTING
DTL	DETAIL	MFR	MANUFACTURER	TOS	TOP OF STEEL
DWG	DRAWING	MIN	MINIMUM	TOW	TOP OF WALL
E.F.	EACH FACE	MISC	MISCELLANEOUS	TRANS	TRANSVERSE
E.W.	EACH WAY	MTL	METAL	TYF	TYPICAL
EA	EACH	N.S.	NEAR SIDE	U.N.O.	UNLESS NOTED OTHERWISE
EL	ELEVATION	O.C.	ON CENTER	VERT	VERTICAL
EQ	EQUAL	O.F.	OUTSIDE FACE	W	W/
EXIST	EXISTING	OPNS	OPENINGS	WP	WORK POINT
EXP	EXPANSION	PED	PEDESTAL	WWF	WELDED WIRE FABRIC
F.S.	FAR SIDE	PLF	POUNDS PER FOOT	CL	CENTER LINE
FDN	FOUNDATION	PROJ	PROJECTION	FL or PL	FLATE
FIN	FINISH	PSF	POUNDS PER SQUARE FOOT		

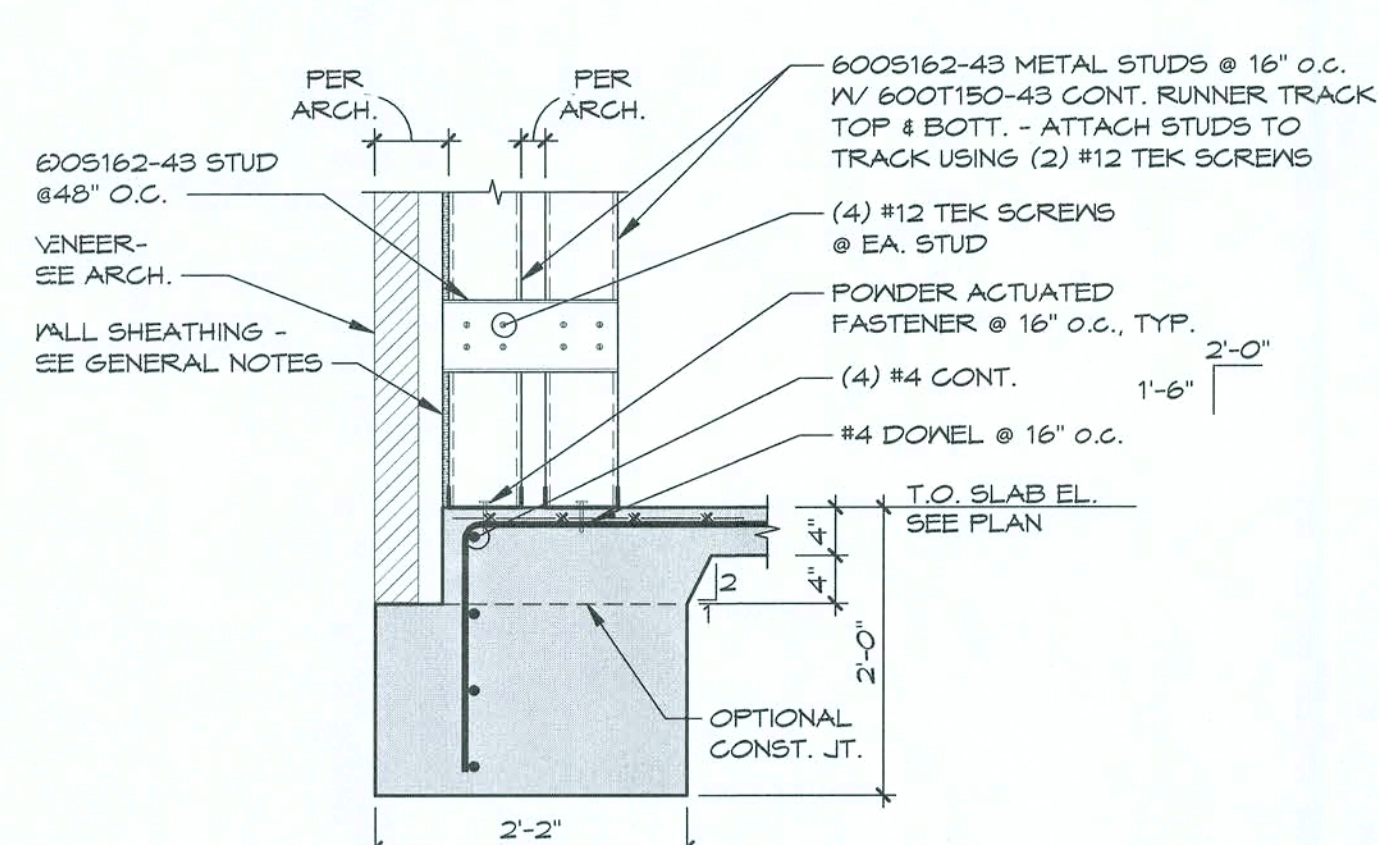


6 SECTION
3/4" = 1'-0"

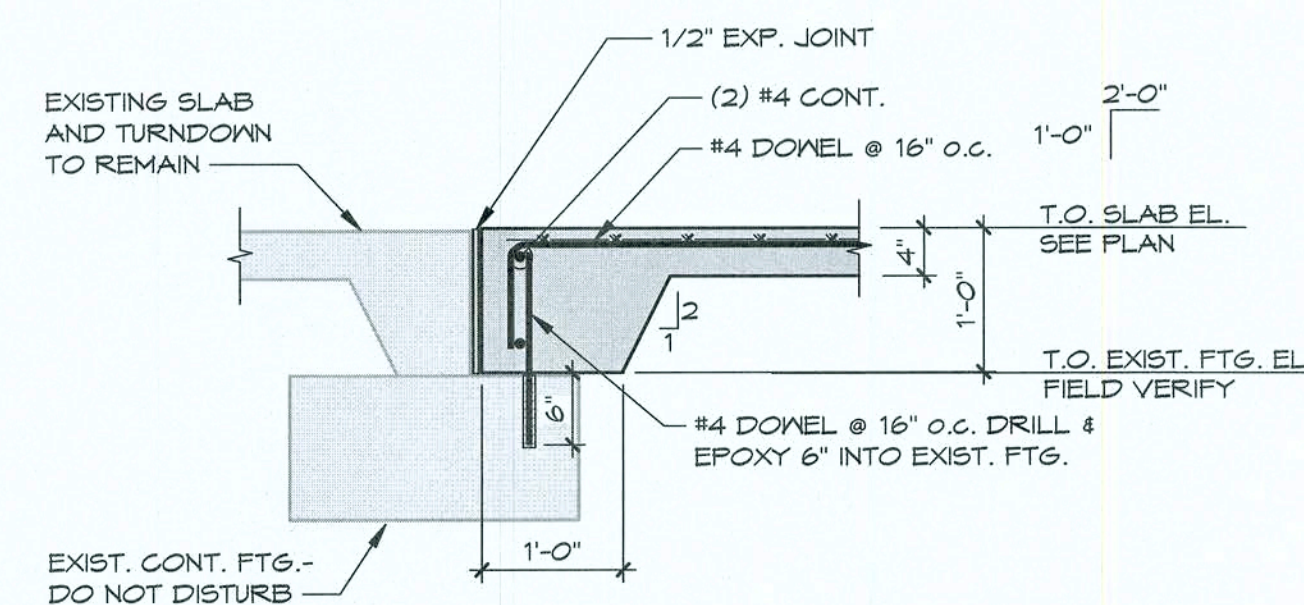
1. CONTRACTOR SHALL FIELD VERIFY EXIST. CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCH./ ENGINEER IMMEDIATELY.
2. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS PRIOR TO SETTING CONCRETE REINFORCEMENT & FORM WORK.
3. BEGINNING OF CONCRETE FORMWORK AND/OR STEEL FABRICATION CONSTITUTES CONTRACTOR ACCEPTANCE OF EXIST. CONDITIONS.

O.F.	DENOTES OUTSIDE FACE
±	DENOTES DIMENSION OR ELEVATION TO BE FIELD VERIFIED
	DENOTES LIMITS OF NEW 4" CONCRETE SLAB - SEE PLAN NOTES
	DENOTES LIMITS EXISTING BUILDING
	DENOTES LOAD BEARING STUD WALL
	DENOTES LOCATION OF HOLDDOWN (SEE DTL. 5.52.1)
— — — — —	DENOTES (2" x 4 x 4'-0") LONG REINFORCING ENTRANCE BARS (SEE GEN. NOTE 3100.1)

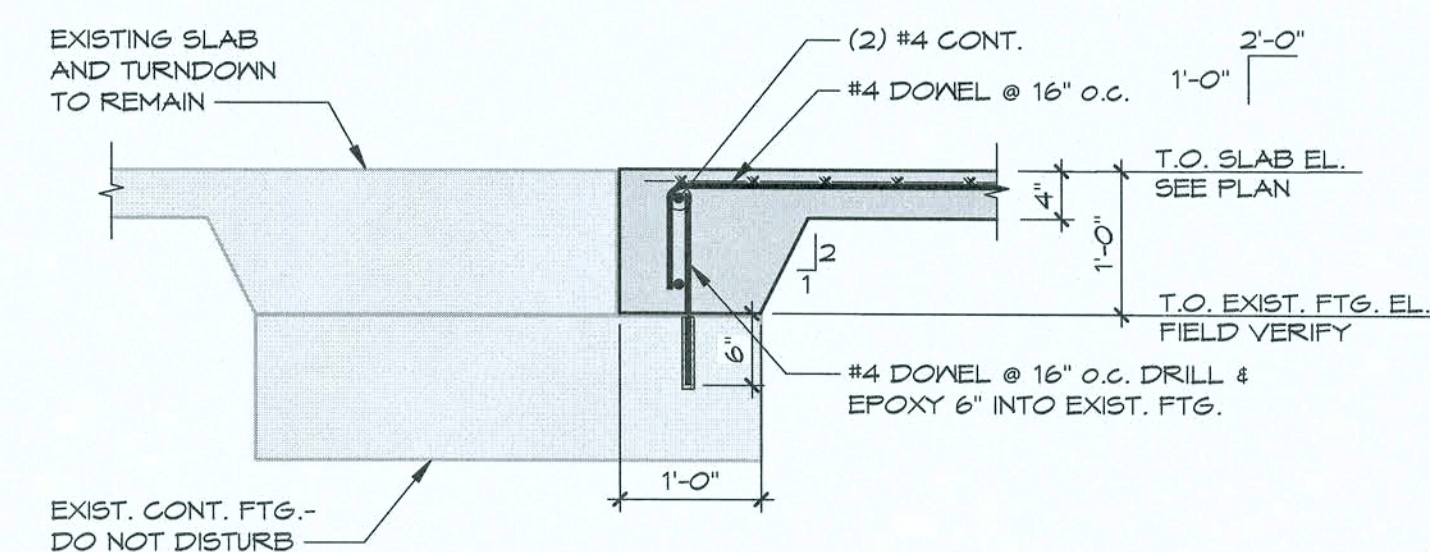
1. 4' x 5.0'S. CONSTRUCTION: 4" CONCRETE SLAB REINFORCED 1/4" x 6 # x 19.1 x 9 # x 19.1 MMF ON 15 MIL POLYETHYLENE FILM OVER 4" CRUSHED STONE TYP. PLACE MMF 2" CLR. FROM TOP OF SLAB.
2. ALL INTERIOR STUD WALLS SHALL BE SHEATHED 1/2" SHEATHING ALONG THE OUTSIDE FACE OF THE WALL, EXTENDING SHEATHING FULL HEIGHT OF WALL. SEE WOOD FRAMING GENERAL NOTES FOR ATTACHMENT REQUIREMENTS.
3. ALL ELEVATIONS BASED ON FINISH FLOOR EL. 100'-0".
COORD. ACTUAL FINISH FLOOR EL. AND BUILDING ORIENTATION ON ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
4. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
5. "J." DENOTES CONTROL OR CONSTRUCTION JOINT. (SEE DTLS. 1 & 2/S1.1).
6. COORDINATE DOOR LOCATIONS WITH ARCH. DWGS.
7. SEE ARCH./PLUMBING DWGS. FOR EXACT LOCATIONS OF ALL DOORS.
8. COORDINATE ALL SLOPED & RECESSED SLABS.
9. COORDINATE LOCATIONS OF PLUMBING LINES W/ PLUMBER PRIOR TO PLACING FOOTINGS & SLABS-ON-GRADE.



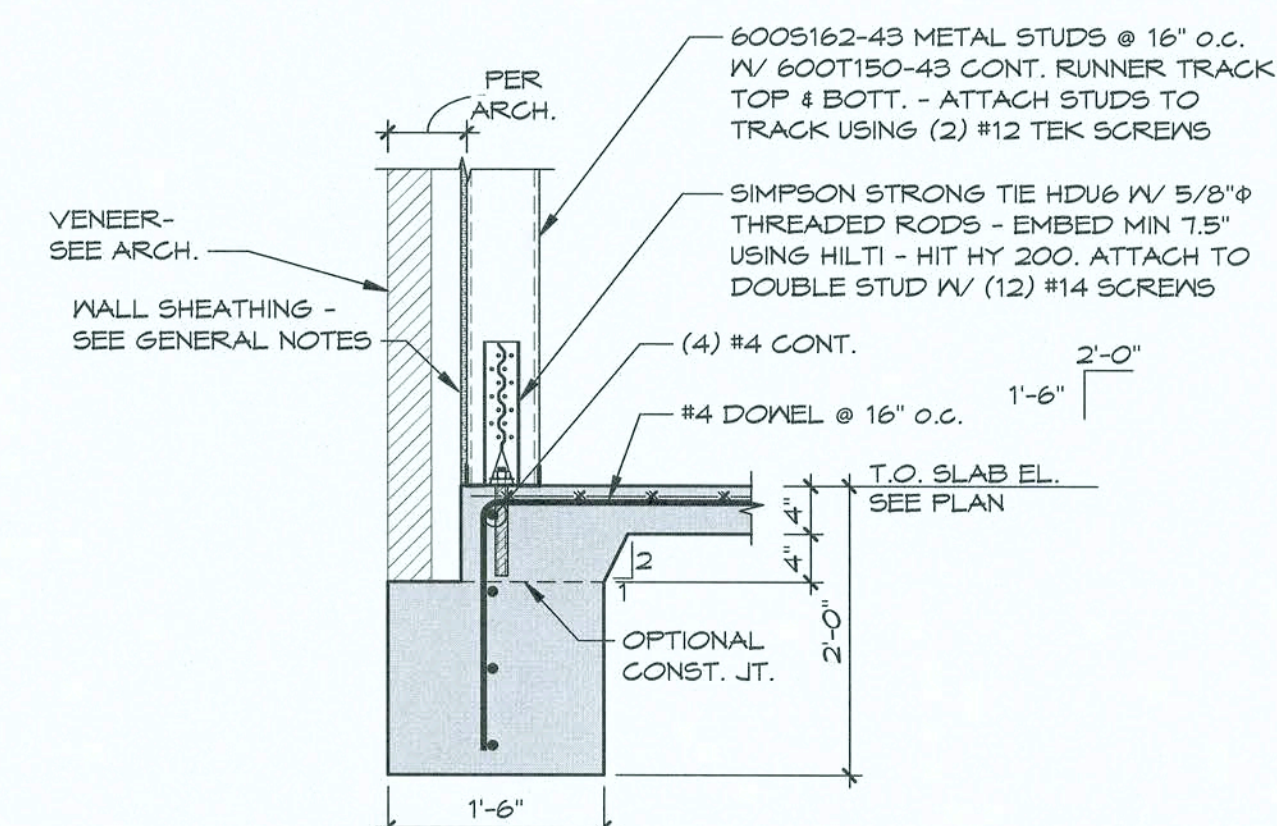
7 SECTION
3/4" = 1'-0"



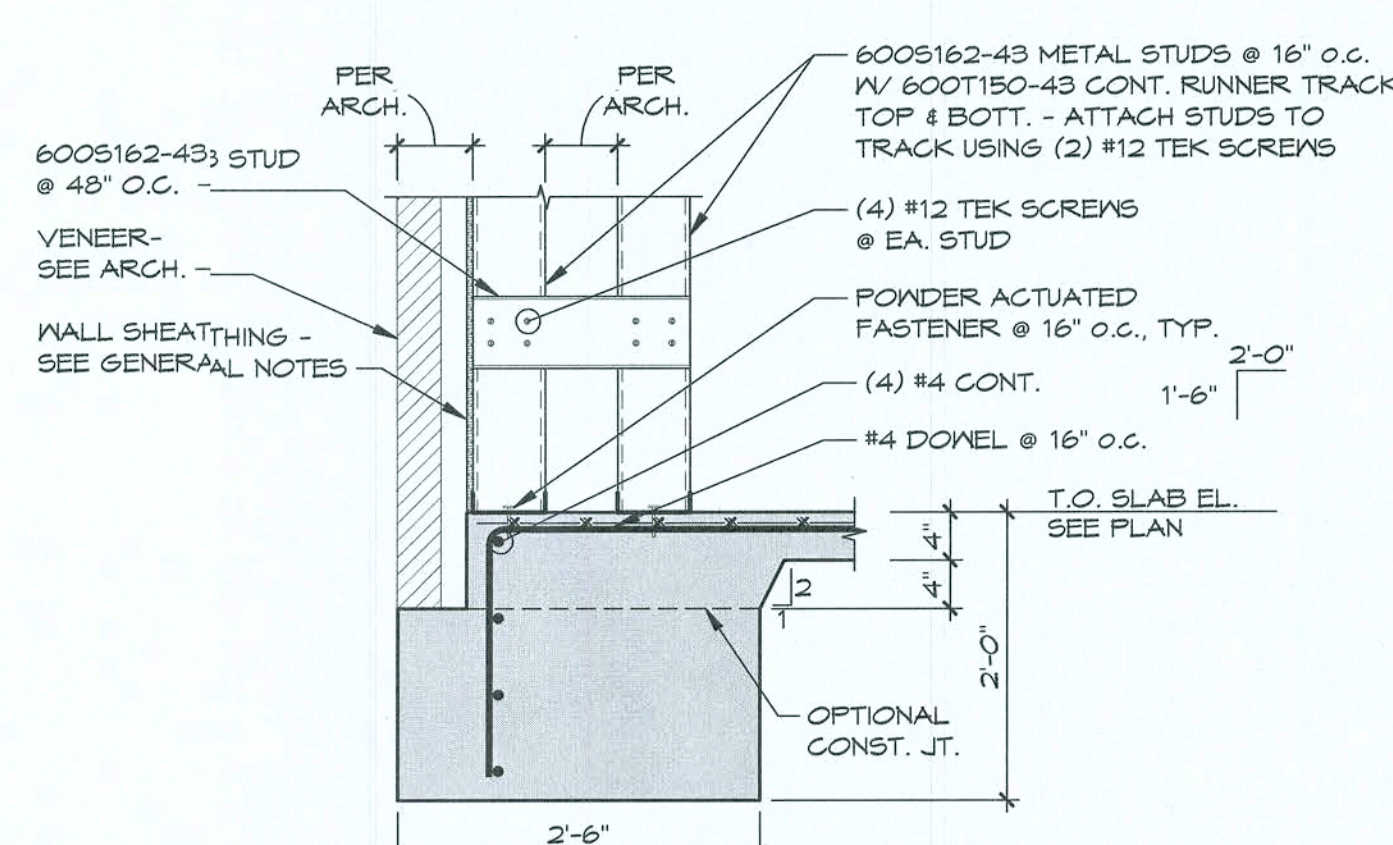
4 SECTION



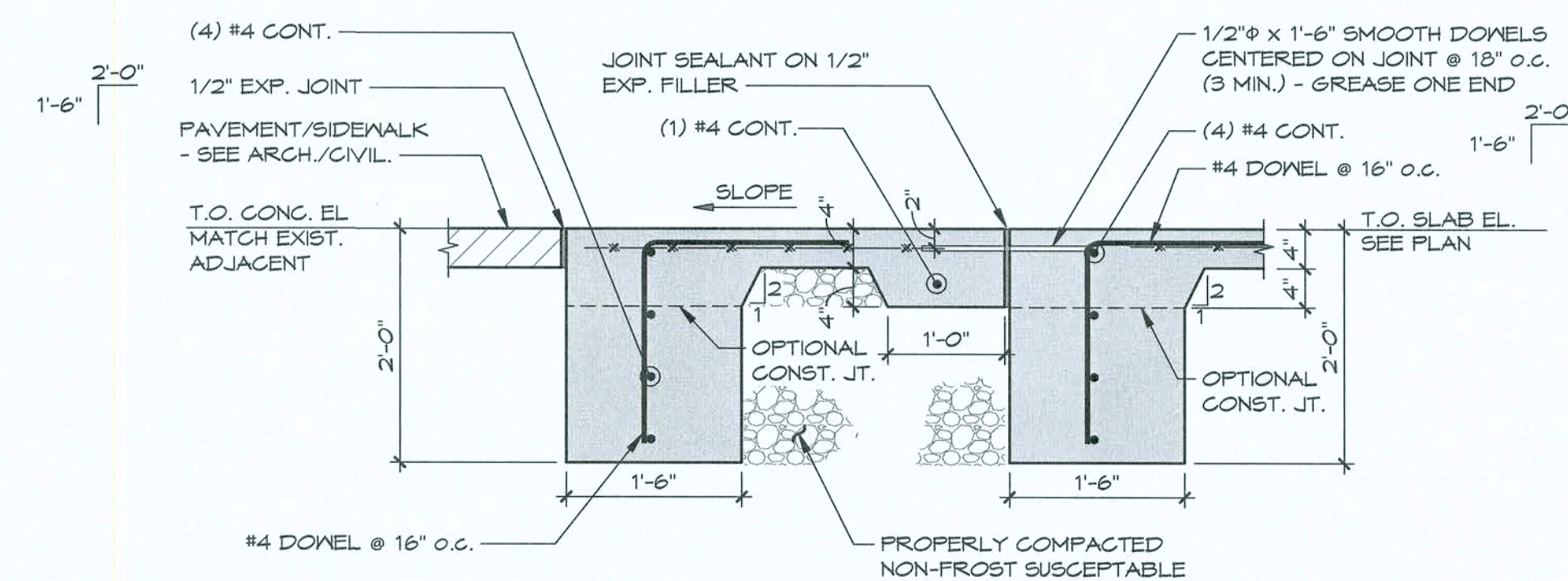
3 SECTION
3/4" = 1'-0"



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



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



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

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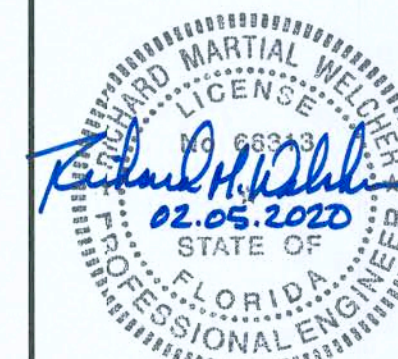
LOVE'S STORE #724
113700 US HIGHWAY 441
LAKE CITY, FL 32025

HOT TO GO REMODEL/
BUILDING EXPANSION

Loves
Travel Stop &

ISSUE BLOCK		

CHECKED BY:	
DRAWN BY:	
DOCUMENT DATE:	01/28/

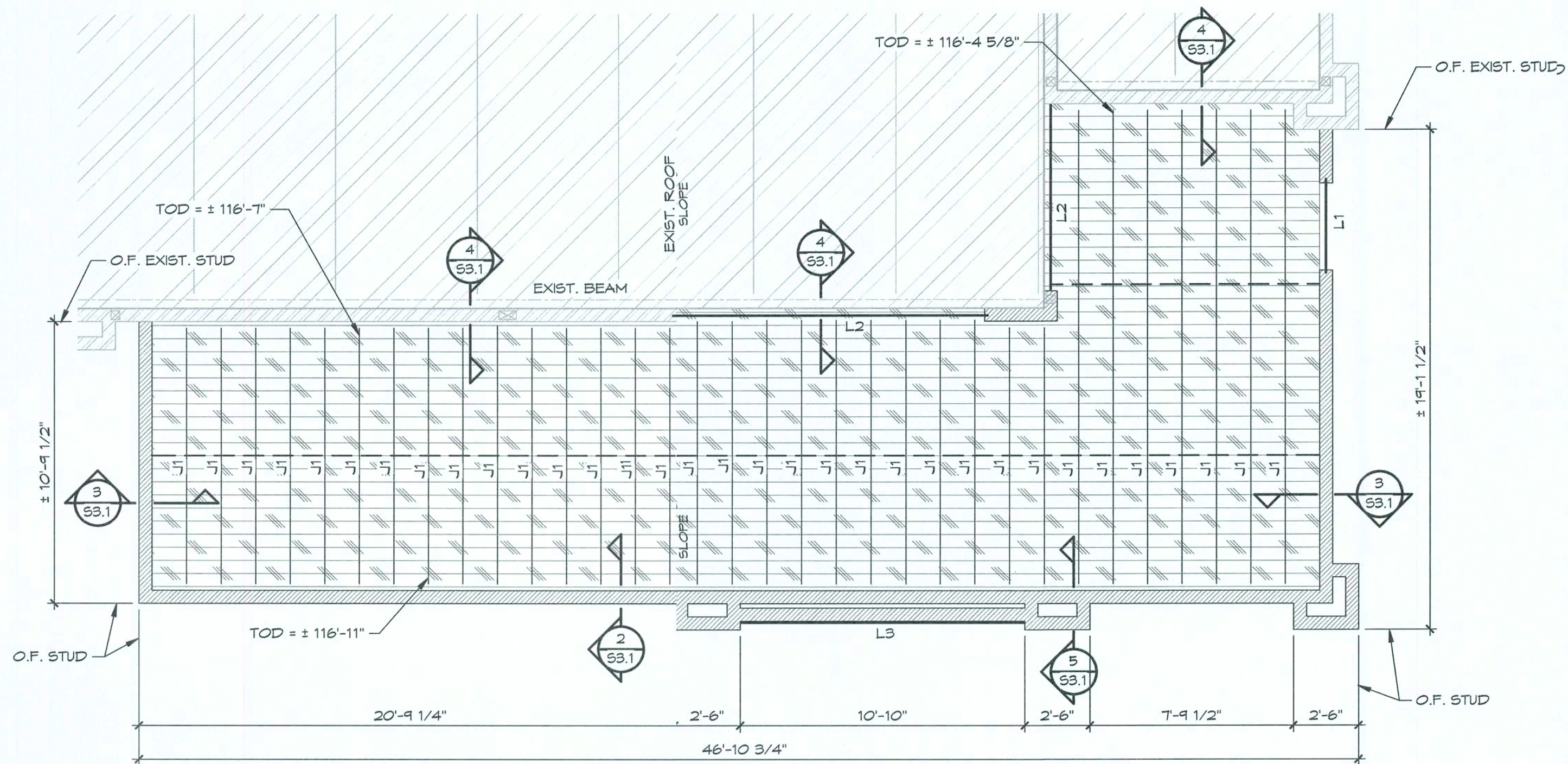


Richard M. Welcher
FL P.E. #66313
Exp. 02/28/21

Tatum-Smith Engineers,
Florida CoA #8857
Exp. 02/28/21

FOUNDATION
PLAN &
DETAILS

SHEET:
S2.1



1 ROOF FRAMING PLAN

1/4" = 1'-0"

CONTRACTOR NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXIST. CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCH./ ENGINEER IMMEDIATELY.
2. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS PRIOR TO SETTING CONCRETE REINFORCEMENT & FORM WORK.
3. BEGINNING OF CONCRETE FORMWORK AND/OR STEEL FABRICATION CONSTITUTES CONTRACTOR ACCEPTANCE OF EXIST. CONDITIONS.

LEGEND:

O.F. DENOTES OUTSIDE FACE
TOD DENOTES JOIST TOP OF DECK
DENOTES LINTS OF PLYWOOD ROOF DECK (SEE PLAN NOTES)
DENOTES LINTS OF EXISTING BUILDING
DENOTES LOAD BEARING MTL. STUD WALL
--- DENOTES SIMPSON STRONG-TIE TB2T BRIDGES
J1 DENOTES 800S162-54 MTL STUD JOIST @ MAX 16" O.C.
± DENOTES DIMENSION TO BE FIELD VERIFIED
SLOPE DENOTES DIRECTION OF ROOF SLOPE (COORD. PITCH W/ ARCH.)
L1 DENOTES METAL STUD LINTEL (SEE 6/53.1)

PLAN NOTES:

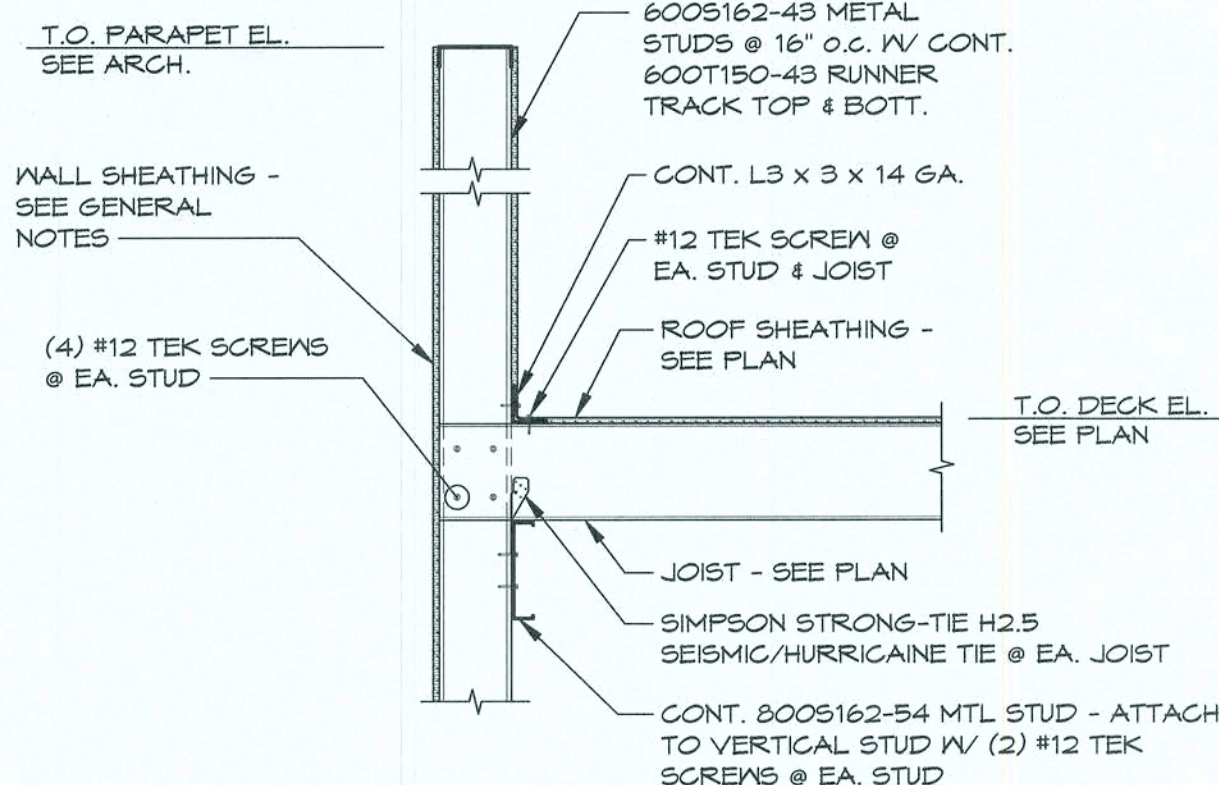
1. ROOF SHEATHING: 1/2" (15/32 MIN. NOMINAL) APA RATED PLYWOOD SHEATHING (32/16) W/ EXPOSURE 1 CLASSIFICATION. ATTACH SHEATHING TO JOISTS W/ #12 TEK SCREWS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE PANEL FIELD.
2. JOIST BEARING ELEVATION VARIES, SEE PLAN.
3. ALL ELEVATIONS BASED ON FINISH FLOOR EL. 100'-0". COORD. ACTUAL FINISH FLOOR EL. AND BUILDING ORIENTATION ON SITE W/ ARCH./CIVIL.
4. SEE ARCH. DWGS. AND FOUNDATION PLANS FOR DIMENSIONS NOT SHOWN.
5. SHEATHING SHALL BE PLACED IN FULL 4x8' PANELS TO THE FULLEST EXTENT POSSIBLE WITH THE LONG DIMENSION (FACE GRAIN) ORIENTED TO SPAN ACROSS MULTIPLE JOISTS.

LINTEL SCHEDULE

MARK	WALL LOCATIONS	TYPE & SIZE (THICKNESS X HEIGHT)	REINFORCEMENT OR ATTACHMENT	BRICK ANGLE OR PLATES	REMARKS
L1	6" MTL. STD.	(2) 600S162-43 MTL. STUDS W/ 600T150-43 CONT. TRACK TOP & BOTT.	(4) #8 SCREWS @ 12" O.C.	L5 x 5 x 5/16	SEE NOTES #1-4 & 6/53.1
L2	6" MTL. STD.	(3) 600S162-43 MTL. STUDS W/ 600T150-43 CONT. TRACK TOP & BOTT.	(4) #8 SCREWS @ 12" O.C.	----	SEE NOTES #1-5 & 6/53.1
L3	6" MTL. STD.	----	----	L5 x 5 x 5/16	SEE NOTES #6

LINTEL SCHEDULE NOTES:

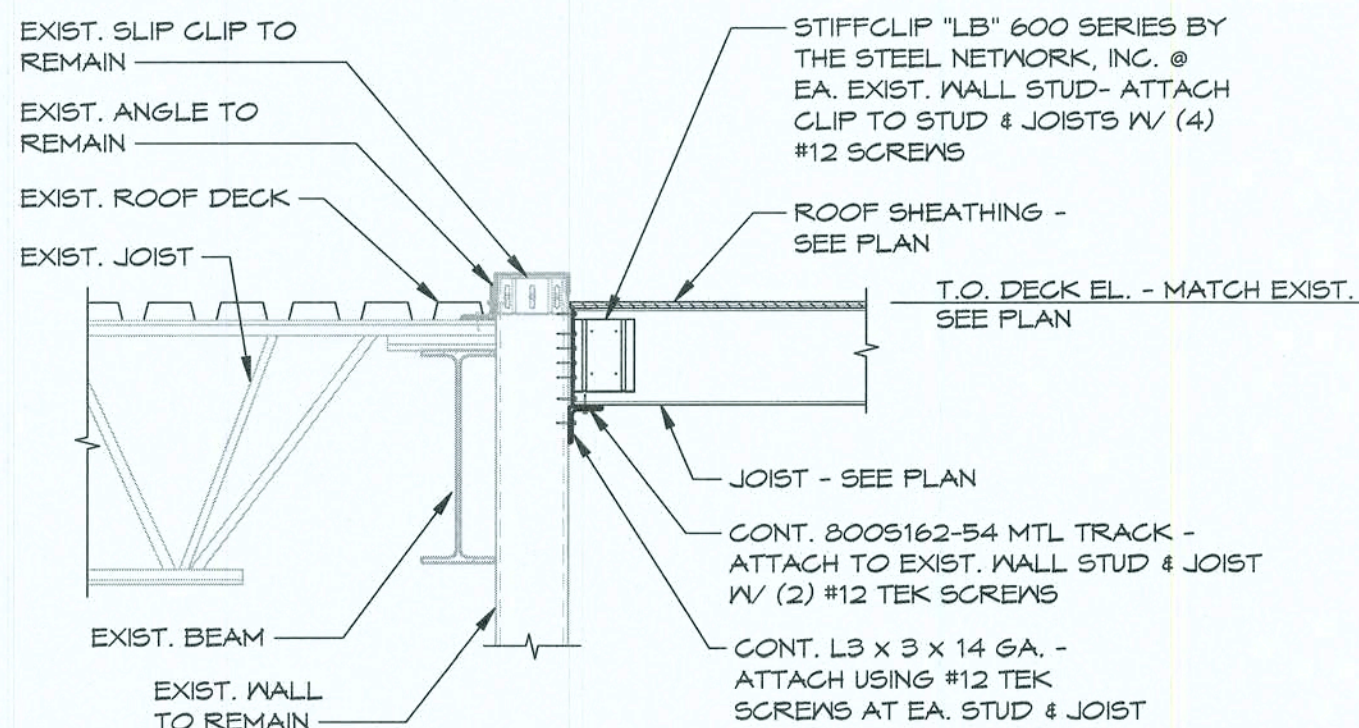
1. SEE ARCH. DWGS. FOR EXACT LOCATION OF ALL LINTELS.
2. COORDINATE ALL BOTTOM LINTEL ELEVATIONS WITH ARCH. DWGS.
3. PROVIDE (2) KING STUDS & (2) JACK STUDS @ JAMBS, TYP. (U.N.O.)
4. PROVIDE WEB STIFFENERS @ BEARING POINTS.
5. L2 LINTELS SHALL HAVE 600S162-43 STUD KICKERS AT 3'-0" O.C. (MIN. 3) FOR THE ENTIRE LENGTH OF THE LINTEL. EXTEND KICKER FROM TOP OF LINTEL UP TO JOIST BOTTOM CHORD. COORDINATE KICKER LOCATION W/ ARCH. DWGS. & ADJUST SO KICKER OCCURS ABOVE CEILING. KICKER SHALL OCCUR WITHIN 26" OF THE TOP OF LINTEL.
6. BRICK LINTELS SHALL HAVE 6" MIN. BEARINGS EACH SIDE OF OPENINGS.



2 SECTION

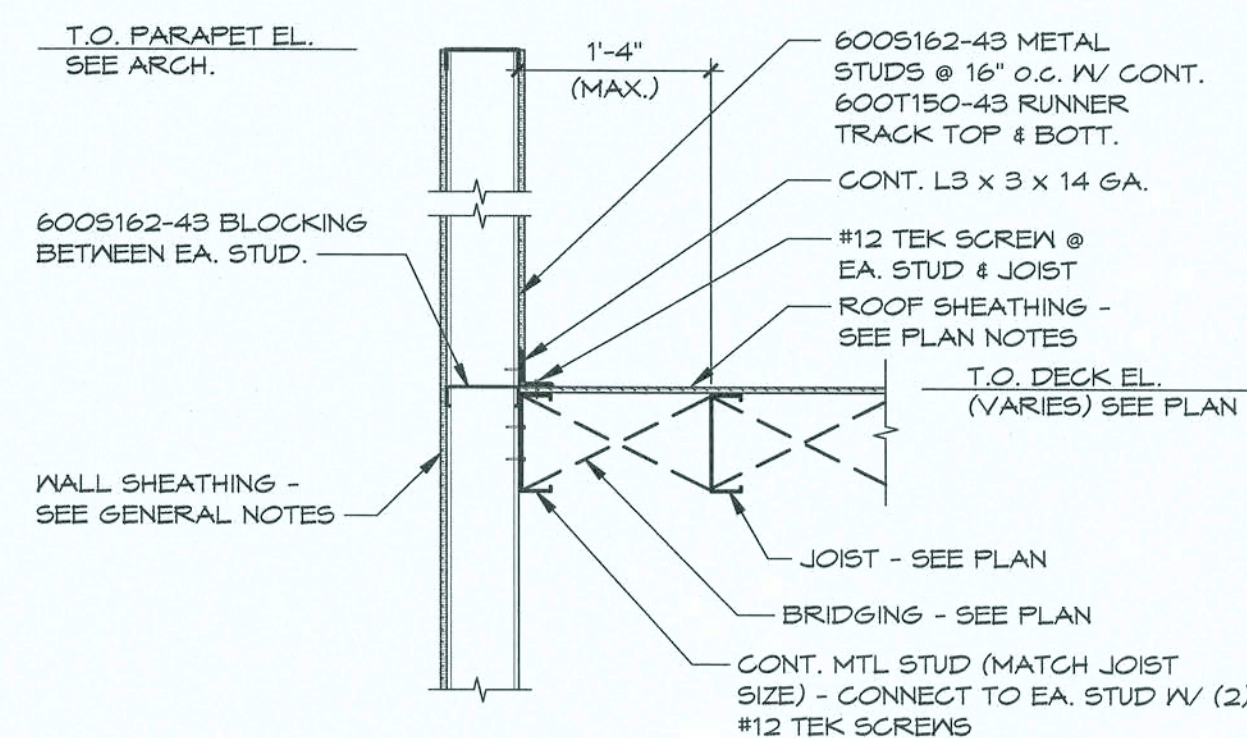
3/4" = 1'-0"

NEW JOISTS MUST OCCUR @ EXIST. WALL STUD. EXIST WALL STUDS VARY @ 12" TO 16" O.C.



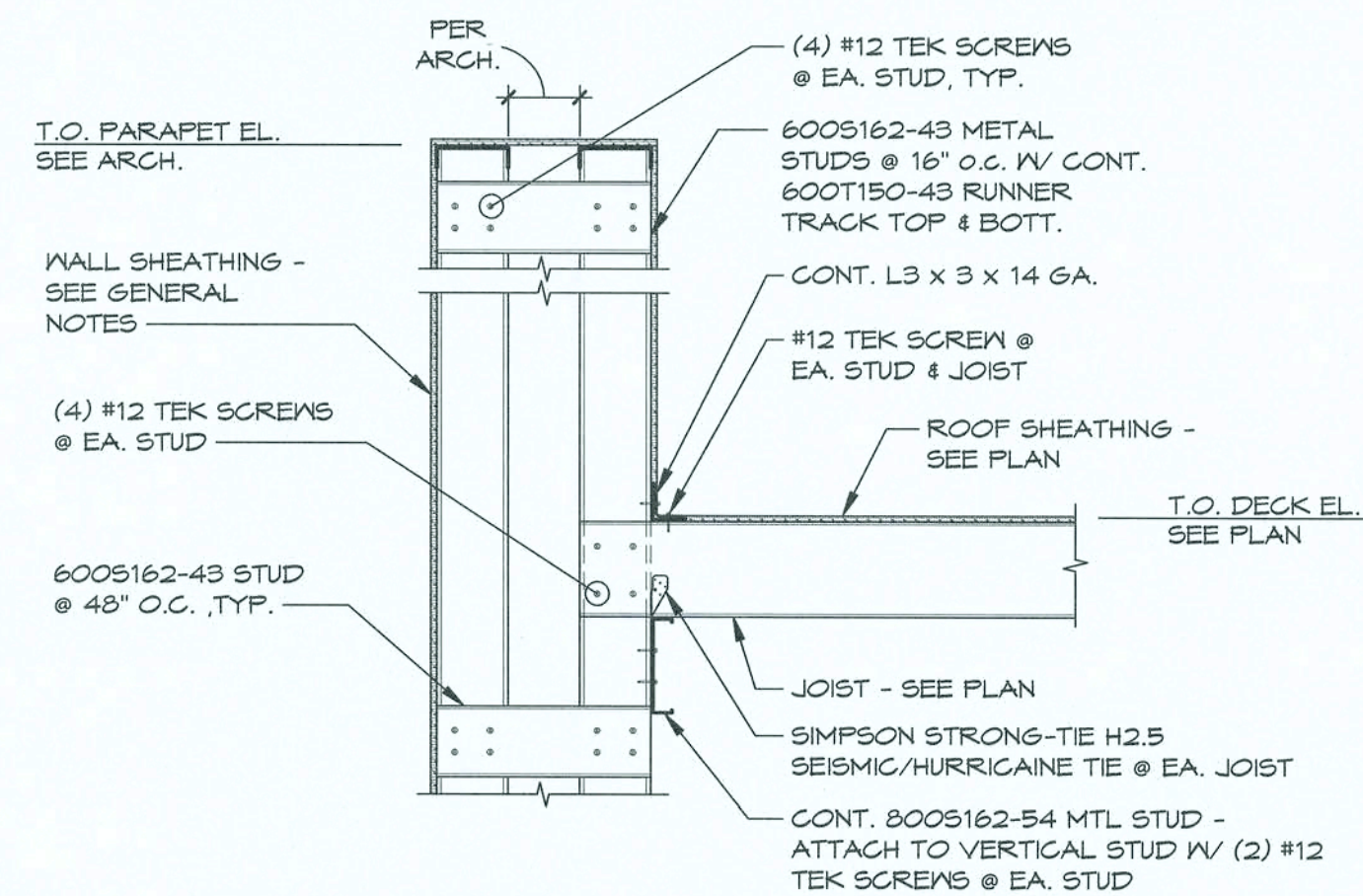
4 SECTION

3/4" = 1'-0"



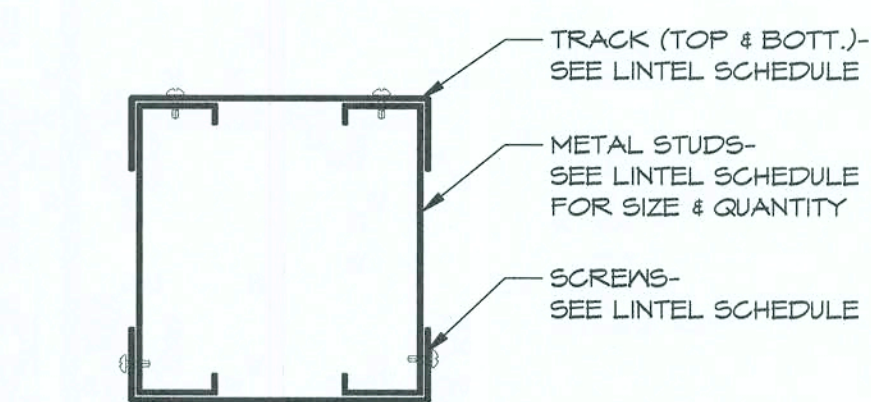
3 SECTION

3/4" = 1'-0"



5 SECTION

3/4" = 1'-0"



6 SECTION

3" = 1'-0"

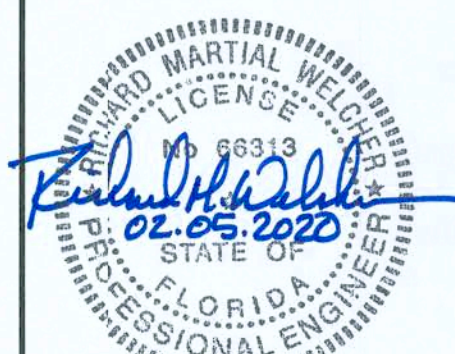
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE IN CONNECTION WITH THE PROJECT DESCRIBED HEREIN. IT IS NOT TO BE REUSED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF TATUM SMITH ENGINEERS, INC. ANY REUSE OF THIS DRAWING FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF TATUM SMITH ENGINEERS, INC. MAY BE CONSIDERED A VIOLATION OF THE PROFESSIONAL ENGINEERING ACT.

LOVE'S STORE #724
13700 US HIGHWAY 441
LAKE CITY, FL 32025
HOT TO GO REMODEL/
BUILDING EXPANSION
JOB NUMBER: 2019.0328

Love's
Travel Stop &
Country Stores

ISSUE BLOCK			

CHECKED BY: JTN
DRAWN BY: C.J.L.
DOCUMENT DATE: 01/28/20

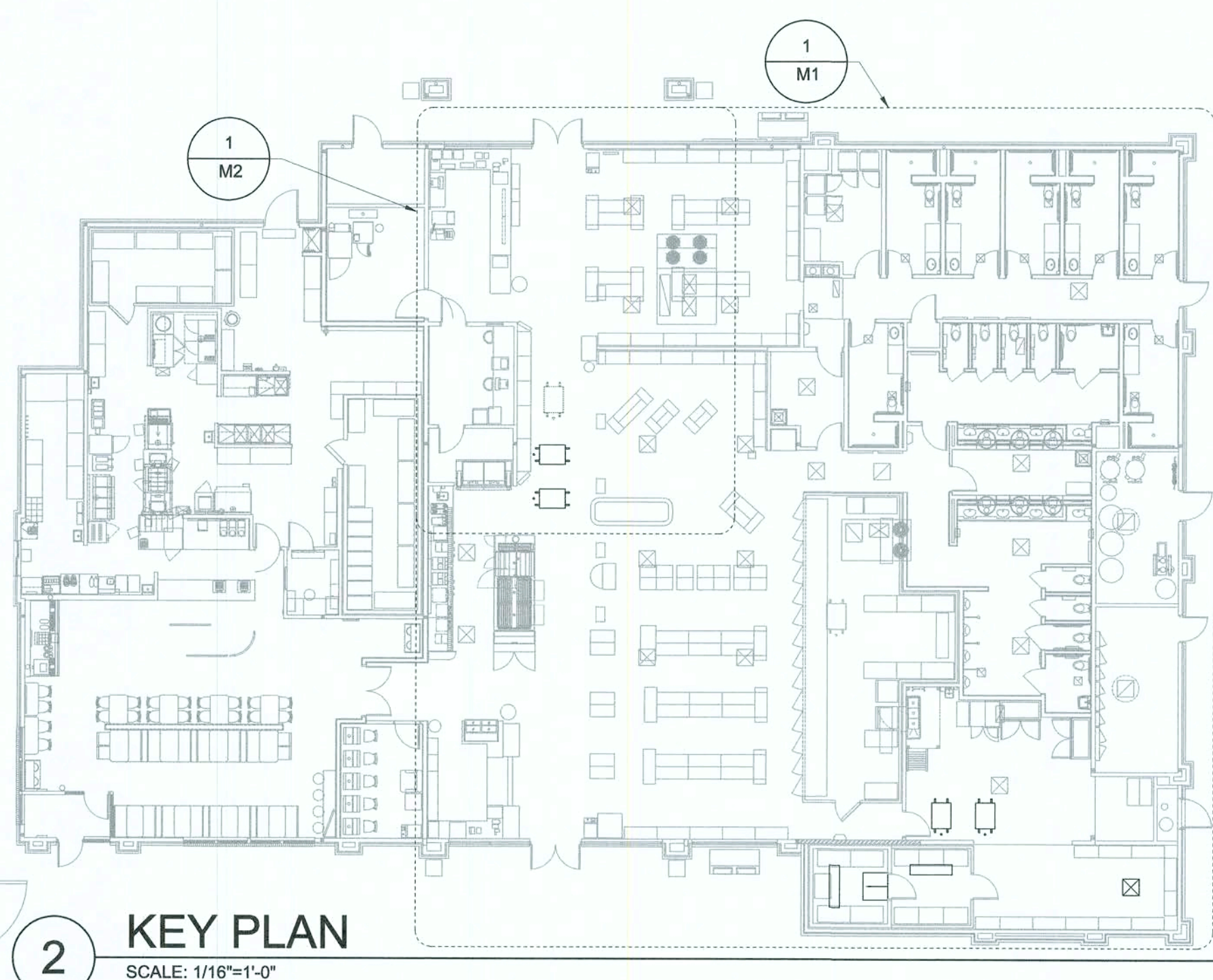
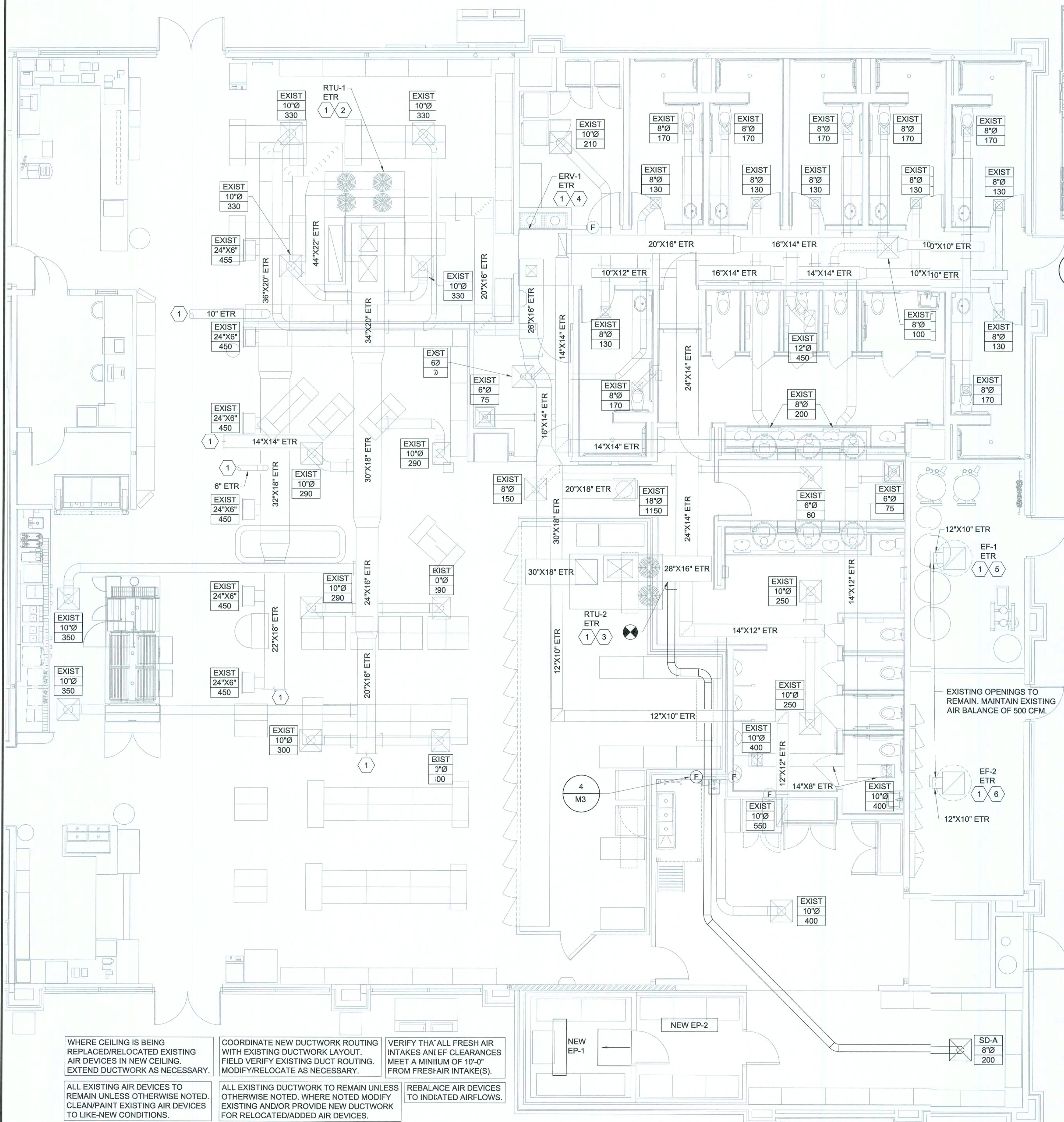


Richard M. Weicher
F.L.P.E. #66313
Exp. 02/28/21
Tatum-Smith Engineers, Inc.
Florida CoA #88571
Exp. 02/28/21

ROOF
FRAMING
PLAN &
DETAILS

SHEET:
S3.1

PRINTED: 1/27/2020 12:24 PM BY: Mathew Lewis LAST SAVED: 1/27/2020 12:18 PM BY: Mathew Lewis
q:\Noves\2019.0328 0724 ellisville fl - add hot to go drawings\mep\mech\3000 m1 hvac plan 724.dwg



2 KEY PLAN
SCALE: 1/16"=1'-0"

KEYNOTES

- EXISTING DUCTWORK AND ASSOCIATED DUCTWORK ACCESSORIES TO REMAIN UNLESS SHOWN OTHERWISE FIELD VERIFY EXACT LOCATION AND SIZE.
- EXISTING RTU-1 TO REMAIN ON ROOF; MODEL: LENNOX LCH180H. FIELD VERIFY UNIT IS IN PROPER WORKING CONDITION AND REPLACE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY/INSTALL SMOKE DETECTORS IN EXISTING UNIT AS REQUIRED BY AHJ. MAINTAIN EXISTING SUPPLY AIR BALANCE OF 5600 CFM AND MAINTAIN EXISTING OUTSIDE AIR BALANCE OF 1750 CFM.
- EXISTING RTU-2 TO REMAIN ON ROOF; MODEL: LENNOX LCH092H. FIELD VERIFY UNIT IS IN PROPER WORKING CONDITION AND REPLACE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY/INSTALL SMOKE DETECTORS IN EXISTING UNIT AS REQUIRED BY AHJ. MAINTAIN EXISTING SUPPLY AIR BALANCE OF 3000 CFM AND MAINTAIN EXISTING OUTSIDE AIR BALANCE OF 1300 CFM.
- EXISTING ERV-1 TO REMAIN ON ROOF; MODEL: RENEWAIRE HESXRT. FIELD VERIFY UNIT IS IN PROPER WORKING CONDITION AND REPLACE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. VERIFY/INSTALL SMOKE DETECTORS IN EXISTING UNIT AS REQUIRED BY AHJ. MAINTAIN EXISTING EXHAUST AIR BALANCE OF 2500 CFM AND MAINTAIN OUTSIDE AIR BALANCE OF 3050 CFM.
- EXISTING RTU-2 TO REMAIN ON ROOF; MODEL: PENNBARRY DX11R. FIELD VERIFY UNIT IS IN PROPER WORKING CONDITION AND REPLACE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN EXISTING EXHAUST AIR BALANCE OF 500 CFM.
- EXISTING EF-2 TO REMAIN ON ROOF; MODEL: PENNBARRY DX11R. FIELD VERIFY UNIT IS IN PROPER WORKING CONDITION AND REPLACE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN EXISTING EXHAUST AIR BALANCE OF 500 CFM.

GENERAL NOTES

- ALL MECHANICAL HVAC AND PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL, PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES WITH CEILING AND LIGHT FIXTURE LAYOUT - VERIFY WITH THE ARCHITECT.
- ALL RECTANGULAR SUPPLY DUCTS ELBOWS SHALL HAVE SINGLE THICKNESS TURNING VANES.
- ALL AIR CONDITIONING DUCTWORK SHALL BE SMACNA 1" PRESSURE CLASSIFICATION WITH SEAL CLASS 'A'.
- DUCT SIZES SHOWN ARE ACTUAL INSIDE CLEAR DIMENSIONS. SHEET METAL CONTRACTORS SHALL INCREASE SIZES FOR DUCTWORK REQUIRED TO BE LINED TO ALLOW FOR 1-INCH THICK LINER EQUIVALENT TO KNAUF TYPE 'EM' - MINIMUM R-VALUE 4.5.
- COORDINATE ROUTING OF DUCTWORK WITHIN STRUCTURE WITH THE LOCATION OF COLUMNS, JOIST AND BEAMS.
- ALL ROUND AIR CONDITIONING DUCTWORK SHALL HAVE 2-INCH THICK EXTERIOR DUCT WRAP CONSISTING OF A FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER FACING AND HAVING A MINIMUM R-VALUE OF 5.6, UNLESS NOTED OTHERWISE.
- IT IS THE INTENT TO HAVE ALL AIR SYSTEMS INCLUDING KITCHEN EXHAUST AND MAKE-UP AIR BALANCED BY AN INDEPENDENT TAB CERTIFIED NEBB CONTRACTOR. AIR QUANTITIES IN MAIN DUCT SHALL BE MEASURED BY PITOT TUBE TRAVERSES. OUTLET AND INLET AIR QUANTITIES SHALL BE DETERMINED IN ACCORDANCE WITH NEBB PROCEDURES. THE NEBB TAB FIRM SHALL PROVIDE A CERTIFICATE OF CONFORMANCE CERTIFICATION TO THE OWNER.
- UNLESS DIMENSIONED, THE WORK SHOWN ON THE CONTRACT DRAWINGS IS DIAGNOSTIC, ILLUSTRATING THE GENERAL ARRANGEMENT. CONTRACTOR SHALL ADHERE TO ARRANGEMENT SHOWN AS CLOSELY AS THE ACTUAL CONSTRUCTION WILL PERMIT.
- CONTRACTOR SHALL VERIFY EXACT EQUIPMENT DIMENSIONS, CLEARANCES, AND FIELD DIMENSIONS RELATIVE TO LOCATIONS OF STRUCTURAL FRAMING, CHANGES REQUIRED IN ROUTING OR SIZES OF DUCTWORK TO MAKE WORK SHOWN CONFORM TO PROJECT REQUIREMENTS RESULTING FROM FIELD COORDINATION PROBLEMS SHALL BE IDENTIFIED, ILLUSTRATED, AND SUBMITTED TO THE ENGINEER FOR PRIOR REVIEW AND APPROVAL BEFORE INSTALLATION.

MECHANICAL SYMBOLS

	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
	DIFFUSER OR GRILLE TYPE BRANCH DUCT & NECK SIZE CFM
	MANUAL BALANCE DAMPER
	CONNECT TO EXISTING
	EXISTING TO REMAIN
	REMOTE TEMPERATURE SENSOR
	HUMIDISTAT AND SENSOR
	DUCT SMOKE DETECTOR
	THERMOSTAT
	ALARM ANNUNCIATOR
	FIRE DAMPER WITH ACCESS DOOR

WHERE CEILING IS BEING REPLACED/RELOCATED EXISTING AIR DEVICES IN NEW CEILING. EXTEND DUCTWORK AS NECESSARY.

COORDINATE NEW DUCTWORK ROUTING WITH EXISTING DUCTWORK LAYOUT. FIELD VERIFY EXISTING DUCT ROUTING. MODIFY/RELOCATE AS NECESSARY.

VERIFY THAT ALL FRESH AIR INTAKES ARE CLEARANCES MEET A MINIMUM OF 10'-0" FROM FRESH AIR INTAKE(S).

ALL EXISTING AIR DEVICES TO REMAIN UNLESS OTHERWISE NOTED. CLEAN/PAINT EXISTING AIR DEVICES TO LIKE-NEW CONDITIONS.

ALL EXISTING DUCTWORK TO REMAIN UNLESS OTHERWISE NOTED. WHERE NOTED MODIFY EXISTING AND/OR PROVIDE NEW DUCTWORK FOR RELOCATED/ADDED AIR DEVICES.

REBALANCE AIR DEVICES TO INDICATED AIRFLOWS.

1 REMODEL HVAC PLAN

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

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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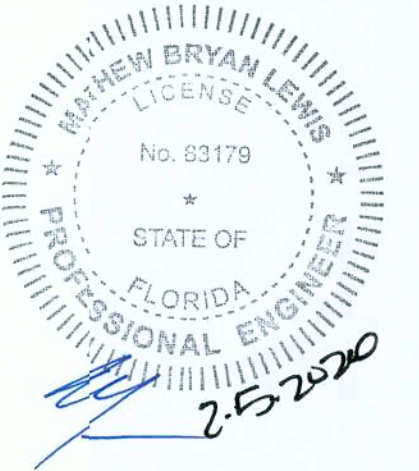
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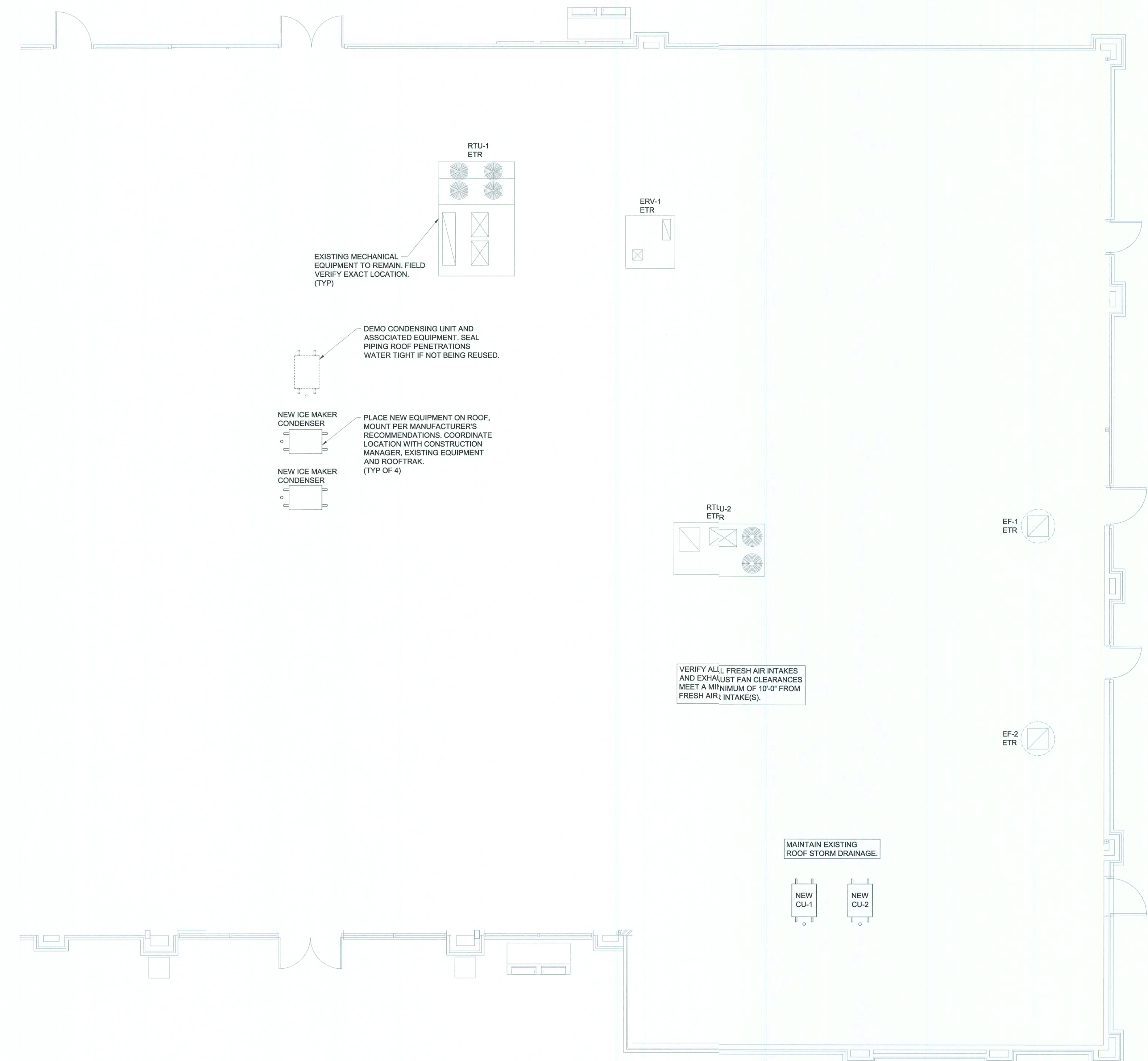
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HVAC PLAN

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1 REMODEL ROOF PLAN
SCALE: 3/16"=1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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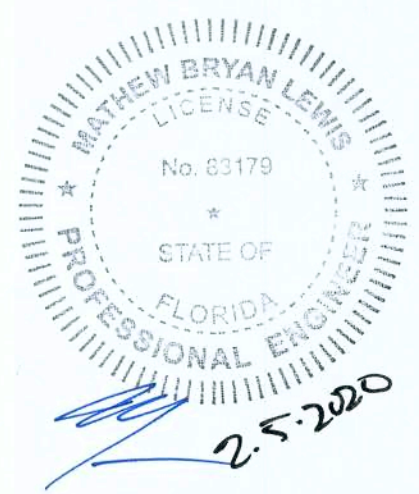
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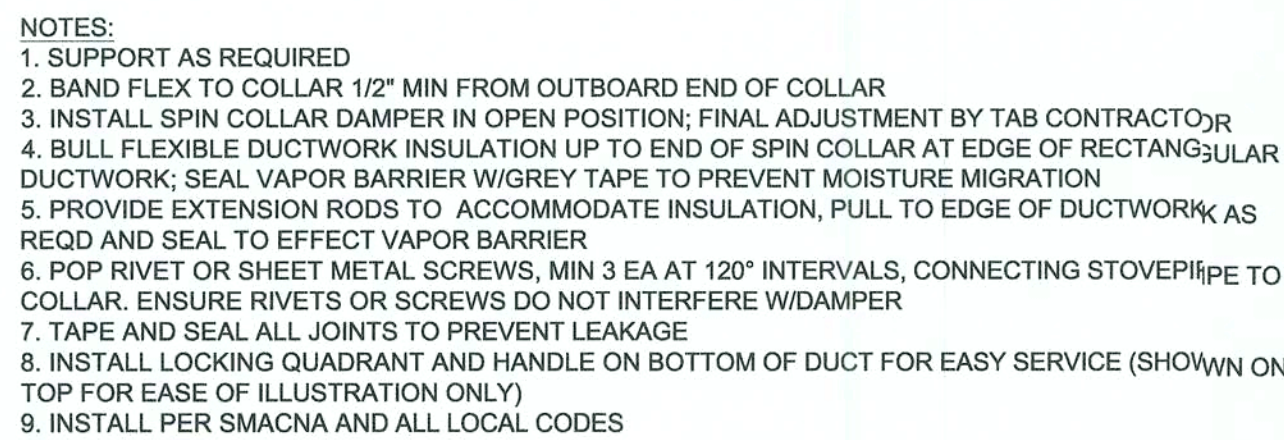


ROOF PLAN

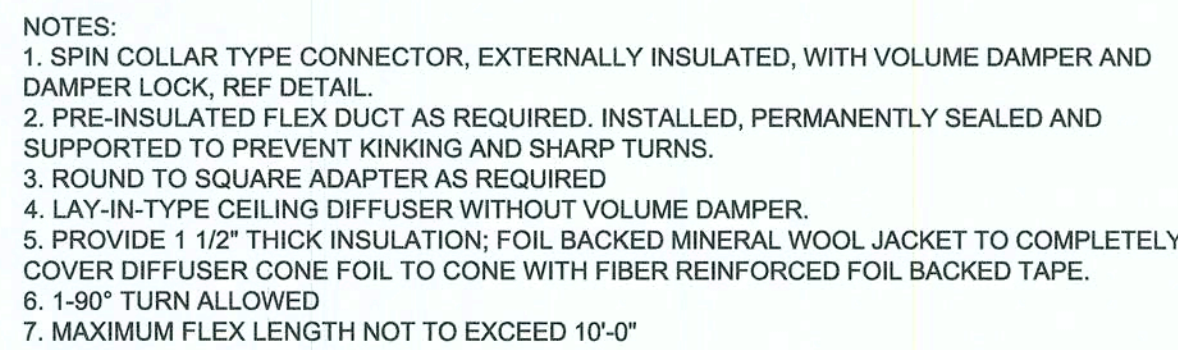
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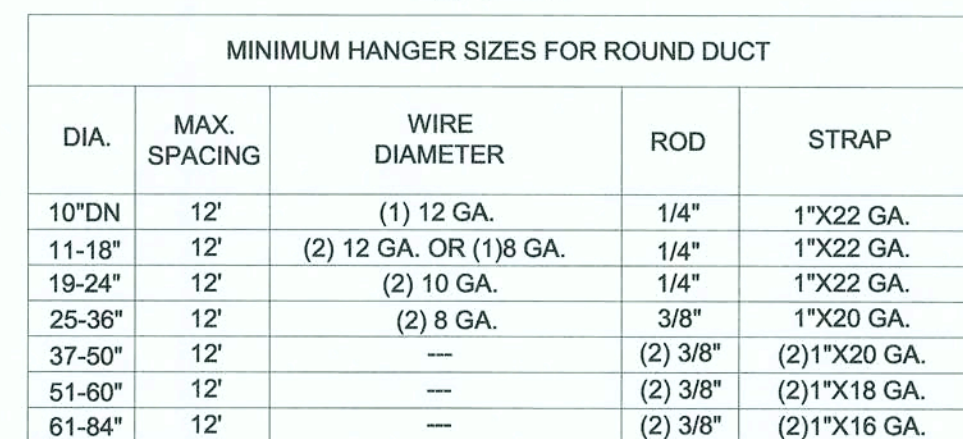
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NOTES:

1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNCOATED OR GALVANIZE STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL; ALL ARE ALTERNATIVES.
2. TABULATED DATA FROM 1985 SMACNA STANDARDS ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.
3. HANGERS MUST NOT DEFORM DUCT SHAPE.

SCALE: N.T.S.

1. BORDER TYPES SHALL BE COMPATIBLE WITH ARCHITECTURAL CEILING TYPE FOR THE ROOM IN WHICH THE AIR DEVICE IS LOCATED.
2. SEE HVAC PLANS FOR LOCATION AND AIR QUANTITIES OF EACH AIR DEVICE.
3. ALL AIR DEVICES SHALL BE TESTED IN ACCORDANCE WITH ASHRAE STANDARD 70-91.
4. NC VALUES ARE BASED UPON A 10 dB ROOM ATTENUATION.
5. CONTRACTOR PROVIDED AND CONTRACTOR INSTALLED.

NOTES:

1. OWNER PROVIDED INSTALLATION BY MECHANICAL CONTRACTOR; VERIFY MODEL NUMBERS WITH LOVE'S AND MANUFACTURER.

PRESSURIZATION
(O/A) - (E/A) = +460 CFM

NOTE:

1. FIELD VERIFY THE EXISTING SPACE PRESSURE BALANCE.

NOTES:

1. SIZE PER ATTACHED DUCT.
2. INSTALL PER NFPA 90 A
3. CONTRACTOR SHALL PROVIDE FIRE/SMOKE DAMPER

STIPULATION FOR REUSE

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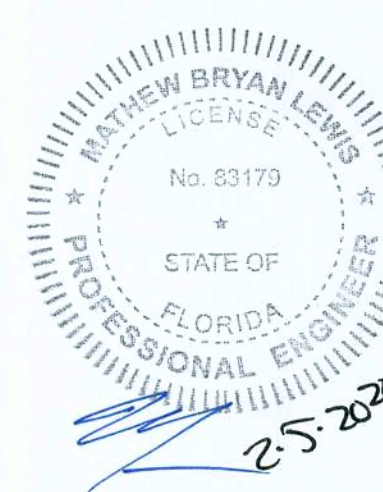
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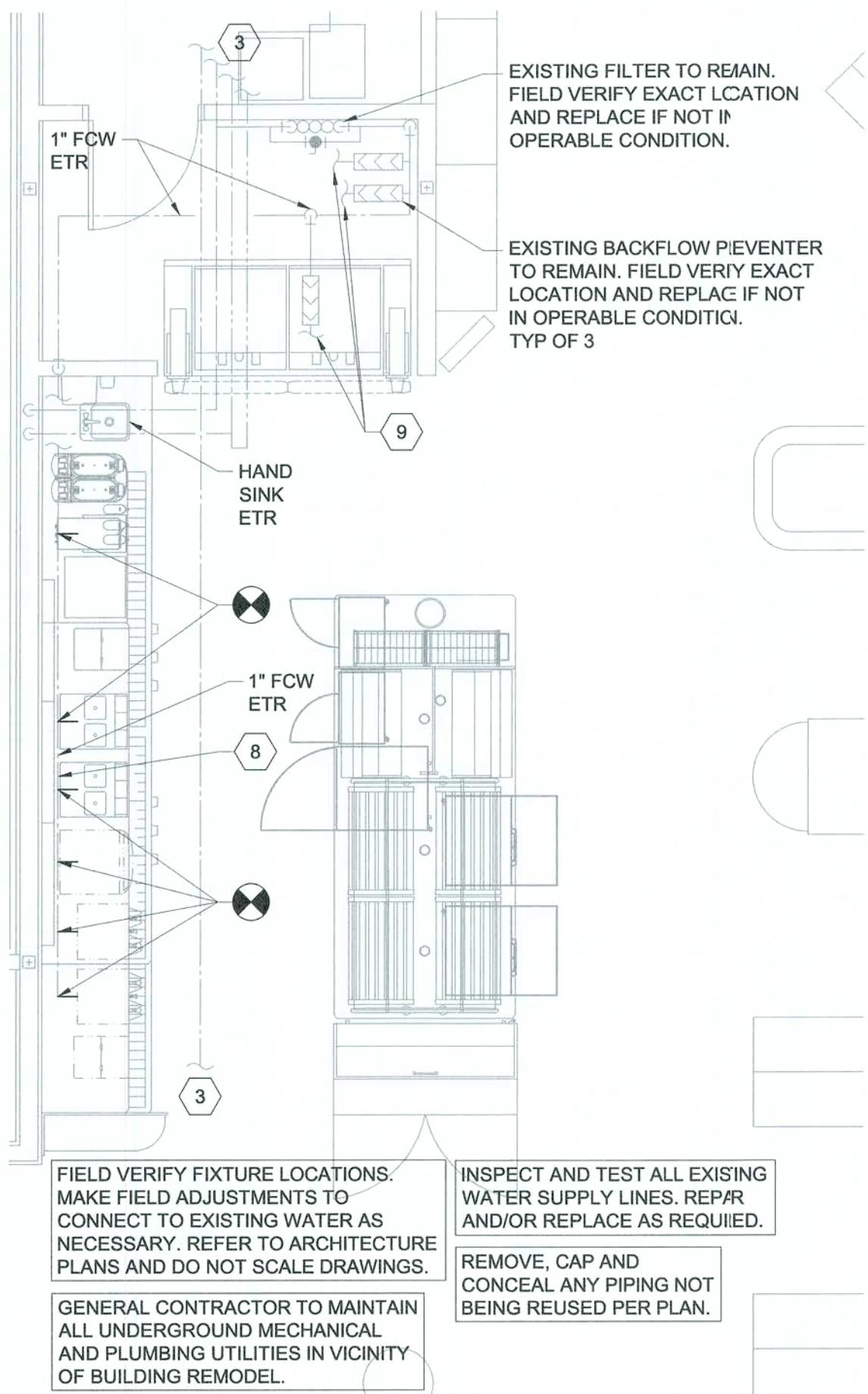


HVAC DETAILS AND SCHEDULES

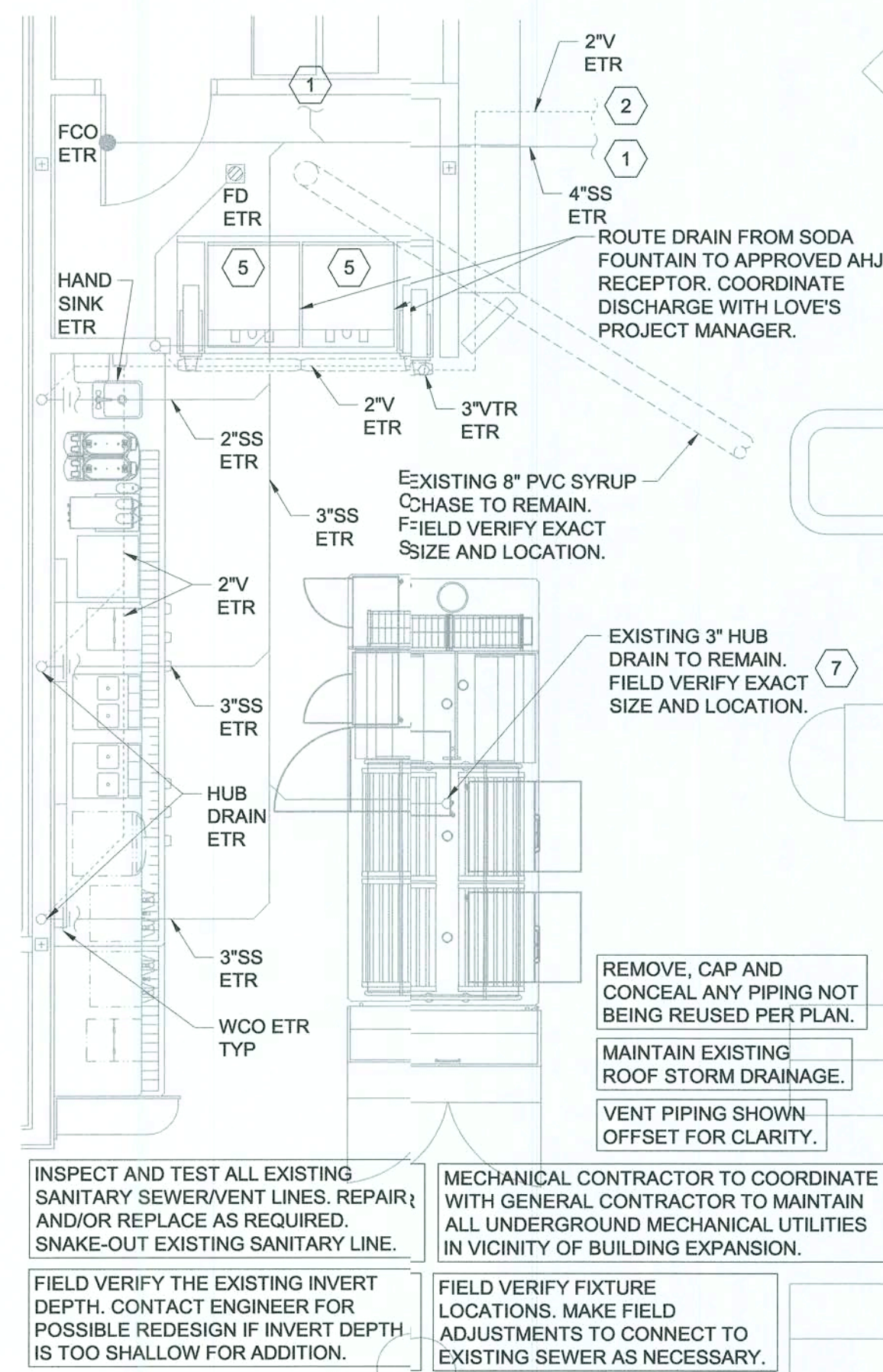
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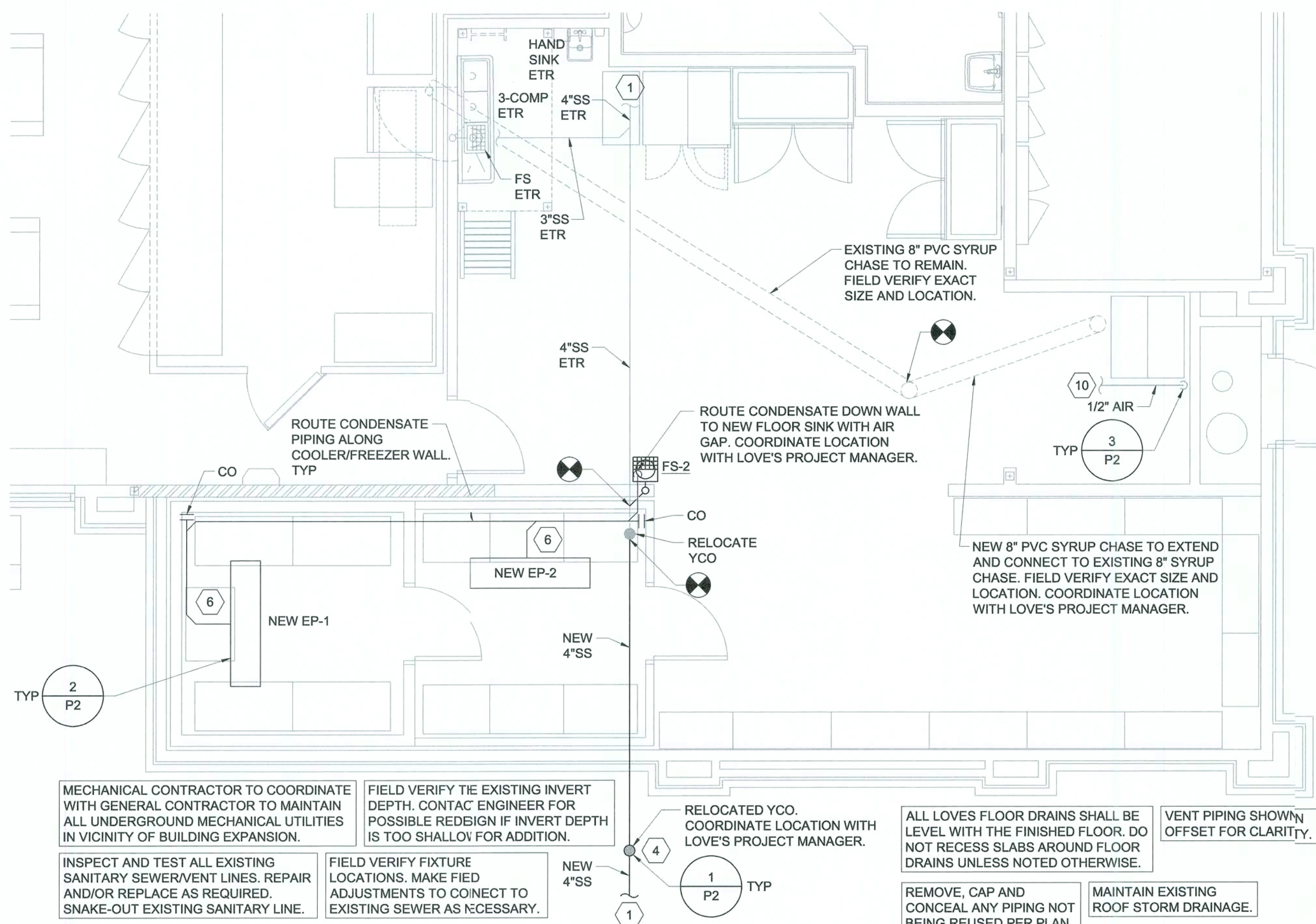
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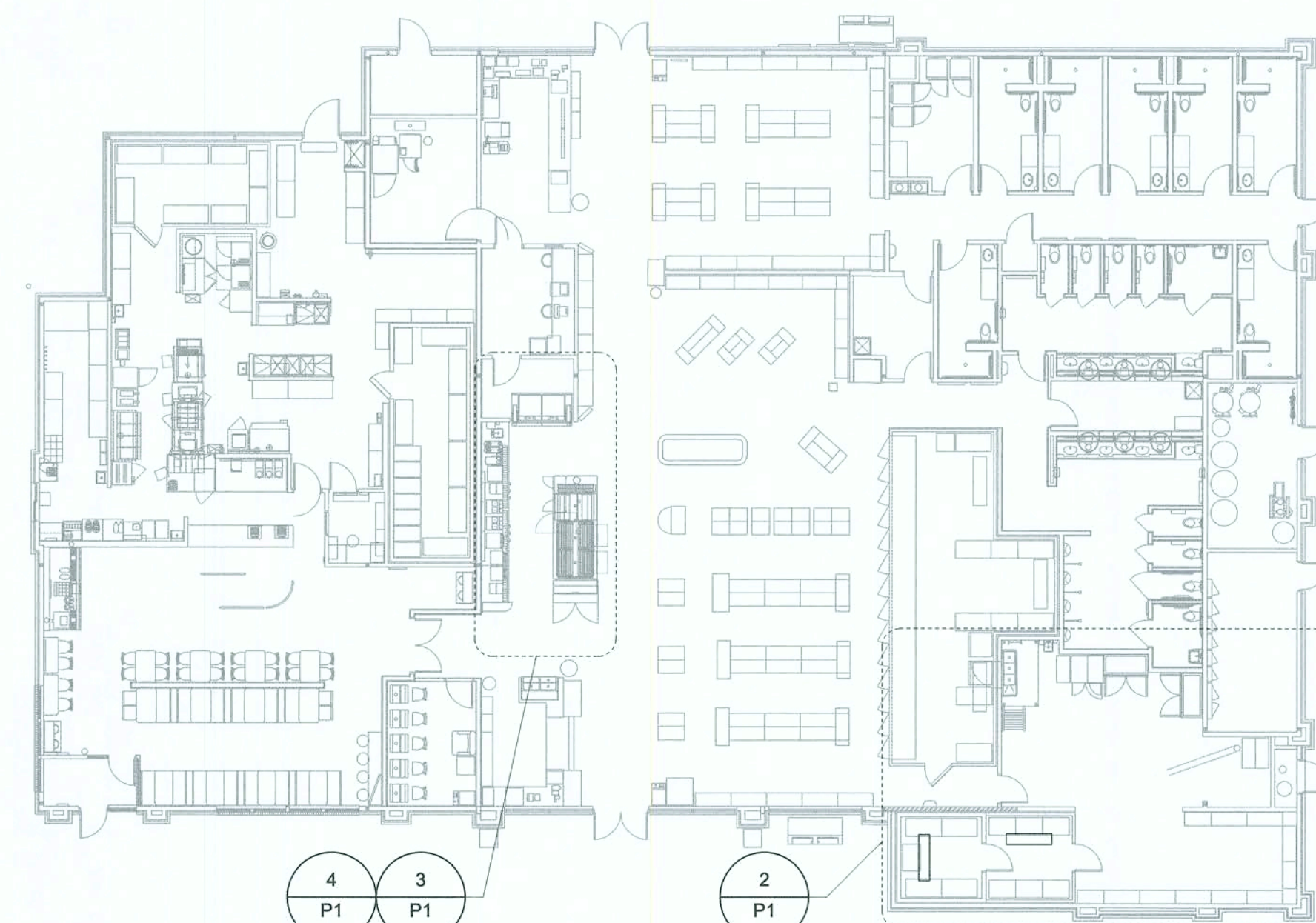
4 REMODEL DRINK CENTER WATER PLAN
SCALE: 1/4"=1'-0"



3 REMODEL DRINK CENTER WASTE AND VENT PLAN
SCALE: 1/4"=1'-0"



2 REMODEL NEW COOLER/FREEZER AND STORAGE WASTE AND VENT PLAN
SCALE: 1/4"=1'-0"



1 KEY PLAN
SCALE: 1/16"=1'-0"

KEYNOTES


- EXISTING SANITARY PIPING AND ASSOCIATED PLUMBING FIXTURE PIPING TO REMAIN UNLESS SHOWN OTHERWISE. FIELD VERIFY EXACT LOCATION.
- EXISTING VENT PIPING AND ASSOCIATED PLUMBING FIXTURE VENT PIPING TO REMAIN UNLESS SHOWN OTHERWISE. FIELD VERIFY EXACT LOCATION.
- EXISTING CW, HW AND HWR AND ASSOCIATED PLUMBING FIXTURE PIPING TO REMAIN UNLESS SHOWN OTHERWISE. FIELD VERIFY EXACT LOCATION.
- PROVIDE CLEAN OUT 3' FROM EXTERIOR WALL.
- ROUTE 1" INDIRECT WASTE FROM THE ICE MACHINE AND DRIP TRAY TO APPROVED AHJ RECEPTOR WITH AIR GAP.
- ROUTE COOLER/FREEZER CONDENSATE TO NEW FLOOR SINK; PROVIDE AND INSTALL HEAT-TAPE ON CONDENSATE LINES EXPOSED IN COOLER/FREEZER AREA. ELECTRICAL CONTRACTOR TO MAKE FINAL POWER CONNECTION (COORDINATE WITH ELECTRICAL CONTRACTOR).
- FIELD VERIFY EXISTING HUB DRAIN SERVES THE DRINK CENTER ISLAND SIZE AND LOCATION. PROVIDE/INSTALL IF NOT EXISTING. COORDINATE LOCATION WITH LOVE'S PROJECT MANAGER.
- 1" FILTERED COLD WATER MANIFOLD EXISTING TO REMAIN WITH NEW 3/8" FILTERED COLD WATER TO EACH OF (4) COFFEE MAKERS (K-22K-22A), (1) CAPPUCCINO MACHINE (S-55) AND (1) TEA BREWER (S-57) WITH BACKFLOW PREVENTER EQUAL TO WATTS SD-3 AND AN ISOLATION VALVE ROUGH-IN 12" AFF. EXTEND THE DRAIN LINE FROM THE VENT PORT TO DRAIN BELOW. REFER TO GENERAL NOTE 15 FOR ADDITIONAL REQUIREMENTS.
- EXISTING 1/2" FILTERED COLD WATER TO EQUIPMENT, ISOLATION VALVE AND BACKFLOW PREVENTER TO REMAIN. FIELD VERIFY EXACT LOCATION AND SIZE.
- CONNECT TO EXISTING AIR LINE OF EQUAL OR LARGER SIZE. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING AIR LINE.

GENERAL NOTES

- ALL PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL/PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- INSTALL ALL REQUIRED CLEANOUTS TO CLEAR EQUIPMENT AND FIXTURES.
- SANITARY AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH INSTALLATION IN ACCORDANCE WITH ASTM D-232.1; ALL FITTINGS SHALL BE APPROVED SANITARY TYPE.
- ALL FIXTURES ARE PROVIDED WITH STANDARD TRAP AND CLEANOUT (NOT SHOWN).
- ALL WORK SHALL BE PROPERLY TESTED, BALANCED, CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- ALL WASTE PIPING 3"Ø AND SMALLER SHALL BE SLOPED AT 1/4" PER FT. PIPING LARGER THAN 3"Ø SHALL BE SLOPED AT 1/8" PER FT.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE SPECIFICATIONS.
- UNDERFLOOR PLUMBING IS SHOWN SCHEMATICALLY FOR VIEWING PURPOSES ONLY. DURING INSTALLATION FIELD MODIFICATIONS TO ROUTING MAY BE REQUIRED.
- TERMINATE PLUMBING VENTS AT A MINIMUM OF 10 FEET FROM ALL AIR HANDLING EQUIPMENT INTAKE VENTS.
- CONTRACTOR SHALL VERIFY LOCAL CODE REQUIREMENTS FOR INDIRECT CONNECTIONS FOR FOOD PREP AREAS. CONNECTIONS SHALL BE PROVIDED WITH A MINIMUM 1" AIR GAP, UNLESS REQUIRED OTHERWISE BY LOCAL HEALTH DEPARTMENT.
- ALL FLOOR DRAINS SHALL HAVE DEEP SEAL P-TRAPS.
- CONTRACTOR SHALL PROVIDE AND INSTALL APPROPRIATE SLEEVES AND/OR CAULKING AT ALL PENETRATIONS TO ENSURE FIRE RATING IS MAINTAINED.
- NO PIPING SHOULD RUN EXPOSED IN FINISHED AREAS.
- DOMESTIC WATER SERVICE PIPE 4" AND SMALLER ABOVE SLAB SHALL BE TYPE "L" HARD DRAWN ASTM B88 COPPER TUBE.
- INSULATE ALL WATER PIPING EXCEPT EXPOSED TO FIXTURES WITH 1" FIBERGLASS INSULATION WITH NON-COMBUSTIBLE UL RATED VAPOR BARRIER OR CLOSED CELL FLEXIBLE INSULATION EQUAL TO ARMAFLEX II.
- RUN-OUT SIZES TO INDIVIDUAL PLUMBING FIXTURES TO BE EQUAL TO ROUGH-IN SIZE NOTED IN THE PLUMBING FIXTURE ROUGH-IN SCHEDULE. SHEET P2.
- PLUMBING/PIPING IS SHOWN SCHEMATICALLY FOR VIEWING PURPOSES ONLY. DURING INSTALLATION FIELD MODIFICATIONS TO ROUTING MAY BE REQUIRED.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

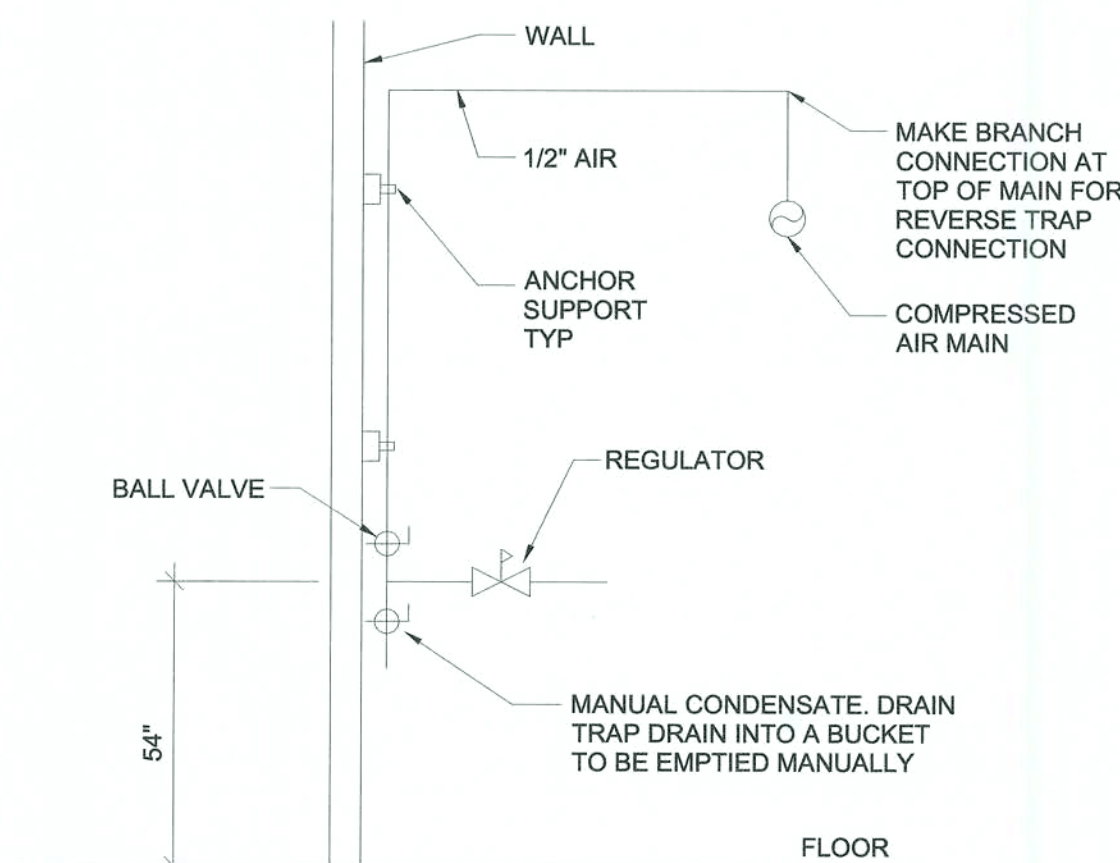
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PLUMBING LEGEND	
LINETYPE/SYMBOL	DESCRIPTION
----	VENT LINE
—W—	SANITARY SEWER
—	DOMESTIC COLD WATER
—	DOMESTIC HOT WATER
—	DOMESTIC HOT WATER RETURN
— CO-2	WALL CLEAN OUT
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN

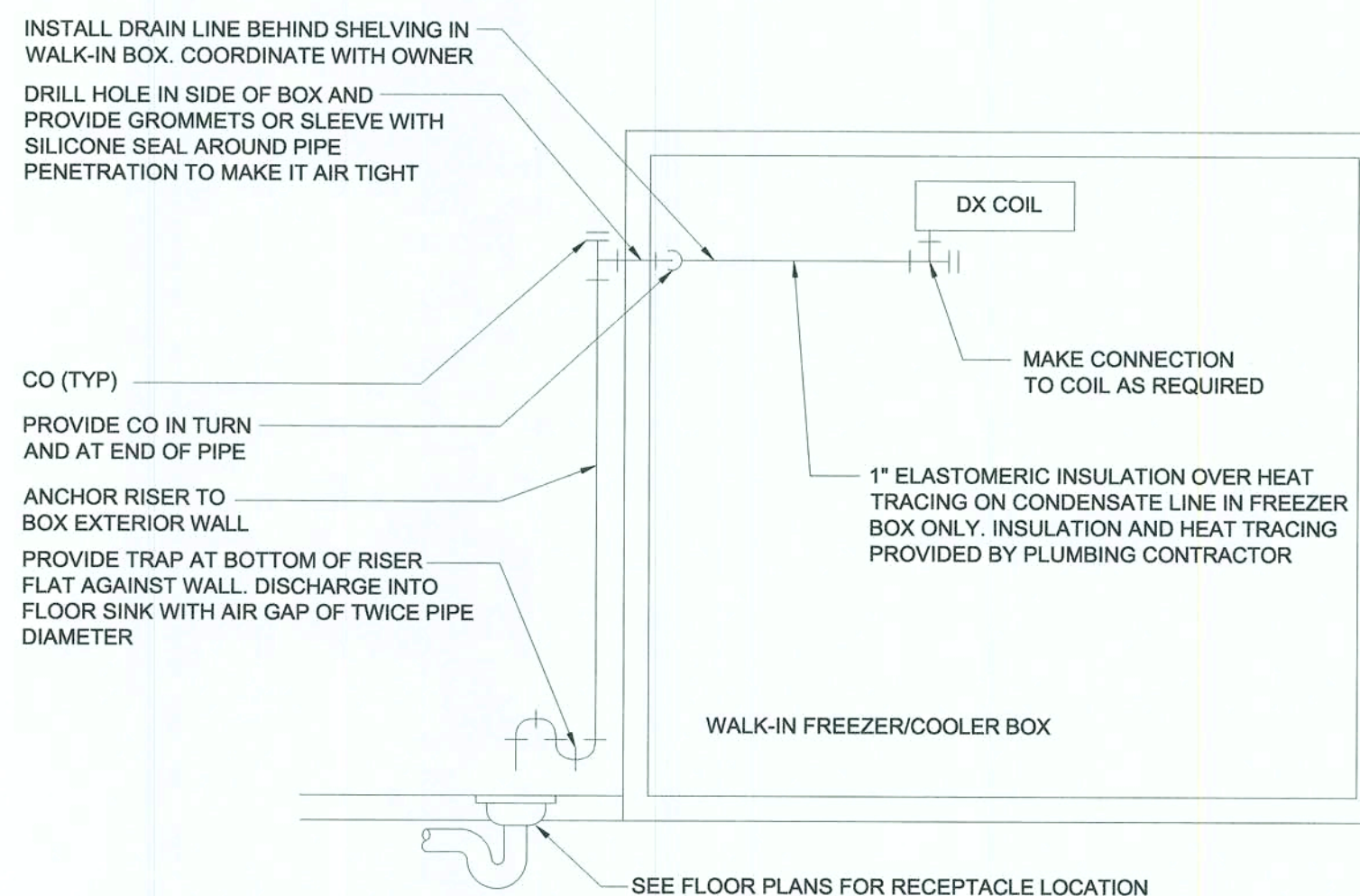
SPECIALTY PLUMBING FIXTURE SCHEDULE				
MARK	FIXTURE	MAUNFACTURER	MODEL	DESCRIPTION
AP-1	ACCESS PANEL	JAY R. SMITH	4767	24" X 24" - CL, TYPE 304 STAINLESS STEEL PANEL AND FRAM WITH CONCEALED HINGE, KEY OPERATED CYLINDER LOCK AND 1/4" SLOTS FOR INSTALLATION IN PLASTER OR WET WALL CONSTRUCTION
CO-1	EXTERIOR CLEANOUT	JAY R. SMITH	4250	HEAVY DUTY DURACOAT CAST IRON BODY WITH DOUBLE FLANGE HOUSING AND SCORIATED CAST IRON COVER WITH LIFTING DEVICE SECURED WITH COUNTERSUNK SCREWS.
CO-2	INTERIOR CLEANOUT	JAY R. SMITH	4422	LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND EPOXY COATED GASKETED COVER, AND ROUND STAINLESS STEEL ACCESS COVER SECURED WITH MACHINE SCREW.
CO-3	INTERIOR CLEANOUT	JAY R. SMITH	4141	LACQUERED CAST IRON BODY WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR, THREADED TOP ASSEMBLY AND ROUND GASKETED SCORED COVER IN SERVICE AREAS AND ROUND GASKETED DEPRESSED COVER TO ACCEPT FLOOR FINISH IN FINISHED FLOOR AREA.
FD-1	FLOOR DRAIN	WATTS	FD12-R-6R	ASME A112.21.1M, ON GRADE PVC TWO PIECE BODY WITH ADJUSTABLE 6" DIAMETER SATIN NICKEL BRONZE STRAINER, AND 2" OUTLET SIZE.
FD-2	FLOOR DRAIN	WATTS	FD12-R-6R-GNB	ASME A112.21.1M, ON GRADE PVC TWO PIECE BODY WEEP HOLES, AND ROUND, ADJUSTABLE NICKEL-BRONZE STRAINER WITH ROUND FUNNEL, 3" OUTLET SIZE.
FD-3	FLOOR DRAIN	WATTS	FD12-R-6R-HNB	ASME A112.21.1M, ON GRADE PVC TWO PIECE BODY WEEP HOLES, ADJUSTABLE 6" DIAMETER SATIN NICKEL BRONZE STRAINER WITH OVAL FUNNEL AND 4" OUTLET SIZE.
FS-1	FLOOR SINK	WATTS	FS-740-1-150-FC	12"X12" SQUARE LACQUERED CAST IRON BODY WITH INTEGRAL SEEPAGE PAN, EPOXY COATED INTERIOR, 8" DEEP SUMP, ALUMINUM DOME STRAINER, CLAMP COLLAR, HALF GRATE, AND SATIN NICKEL-BRONZE STRAINER W / 4" OUTLET.
FS-2	FLOOR SINK	WATTS	FS-730-1-150-FC	12"X12" SQUARE LACQUERED CAST IRON BODY WITH INTEGRAL SEEPAGE PAN, EPOXY COATED INTERIOR, 8" DEEP SUMP, ALUMINUM DOME STRAINER, CLAMP COLLAR, HALF GRATE, AND SATIN NICKEL-BRONZE STRAINER W / 3" OUTLET.
HD-1	HUB DRAIN	- - -	- - -	HUB DRAIN SAME AS SANITARY WASTE PIPING MATERIAL UNLESS NOTED OTHERWISE ON PLANS. END PIPE 2" AFF
RD-1	ROOF DRAIN	WATTS	RD-300	COATED CAST IRON BODY, BOTTOM OUTLET, NO-HUB ROOF DRAIN WITH CAST OR DUCTILE IRON DOME, MEMBRANE CLAMP, ADJUSTABLE EXTENSION (OR EXTENSION SIZED FOR ROOF INSULATION), SUMP RECIEVER AND UNDERDECK CLAMP.
RD-2	ROOF DRAIN	WATTS	RD-300	COATED CAST IRON BODY, BOTTOM OUTLET, NO-HUB ROOF DRAIN WITH CAST OR DUCTILE IRON DOME, MEMBRANE CLAMP, ADJUSTABLE EXTENSION (OR EXTENSION SIZED FOR ROOF INSULATION), SUMP RECIEVER AND UNDERDECK CLAMP.
SD-1	SHOWER DRAIN	WATTS	SD-2PVC-PB	ASME A112.21.1M, ON GRADE PVC TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, ADJUSTABLE 4.125" DIAMETER SATIN NICKEL BRONZE STRAINER, AND 2" OUTLET SIZE.
WHA	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS	PDI	PRECISION PLUMBING PRODUCTS PDI - HARD DRAIN COPPER BPDY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, ASSE 1010 CERTIFICATION, PROCIDE SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON PLANS

NOTES:

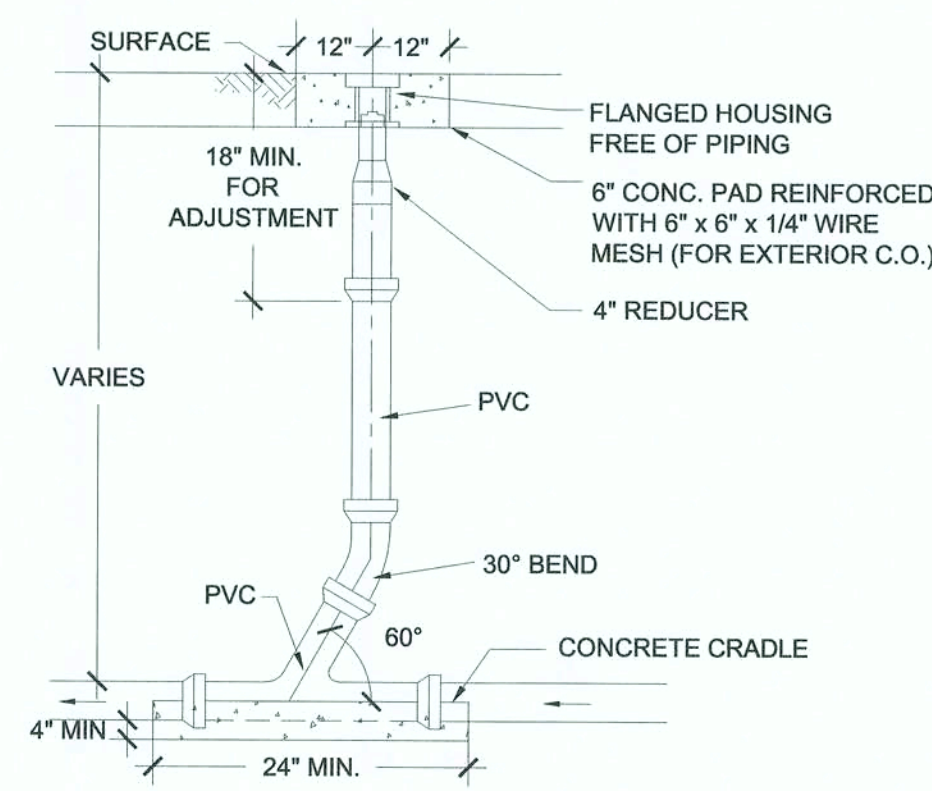
1. NOT ALL FIXTURES LISTED MAY BE USED ON PLANS
2. ALL FLOOR DRAINS, FLOOR SINKS, AND ROOF DRAINS SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR.
3. SEE SPECIFICATIONS.



3 AIR AT BAG-IN-BOX



2 FREEZER/COOLER CONDENSATE DRAIN DETAIL

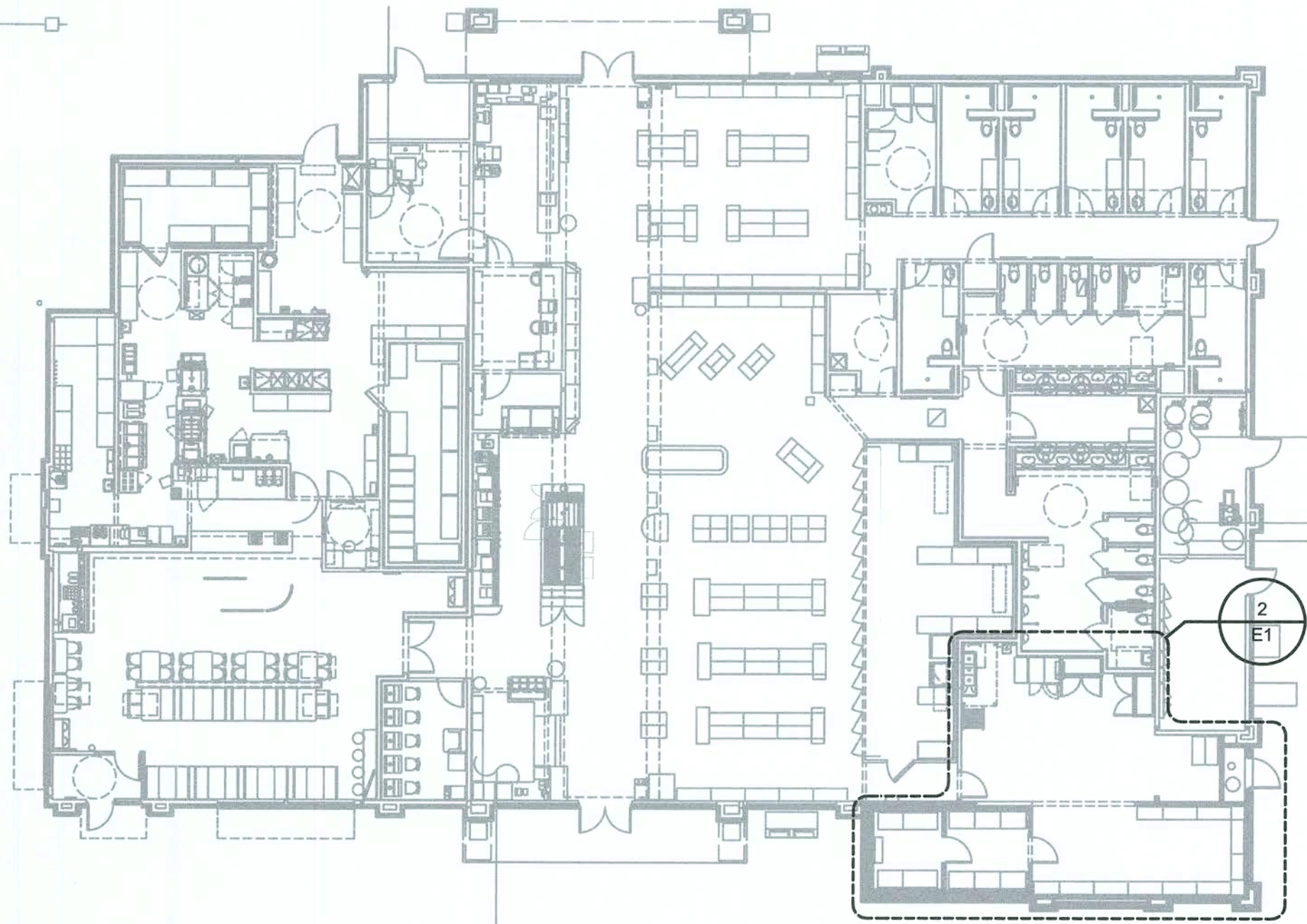


1 SANITARY SEWER CLEANOUT

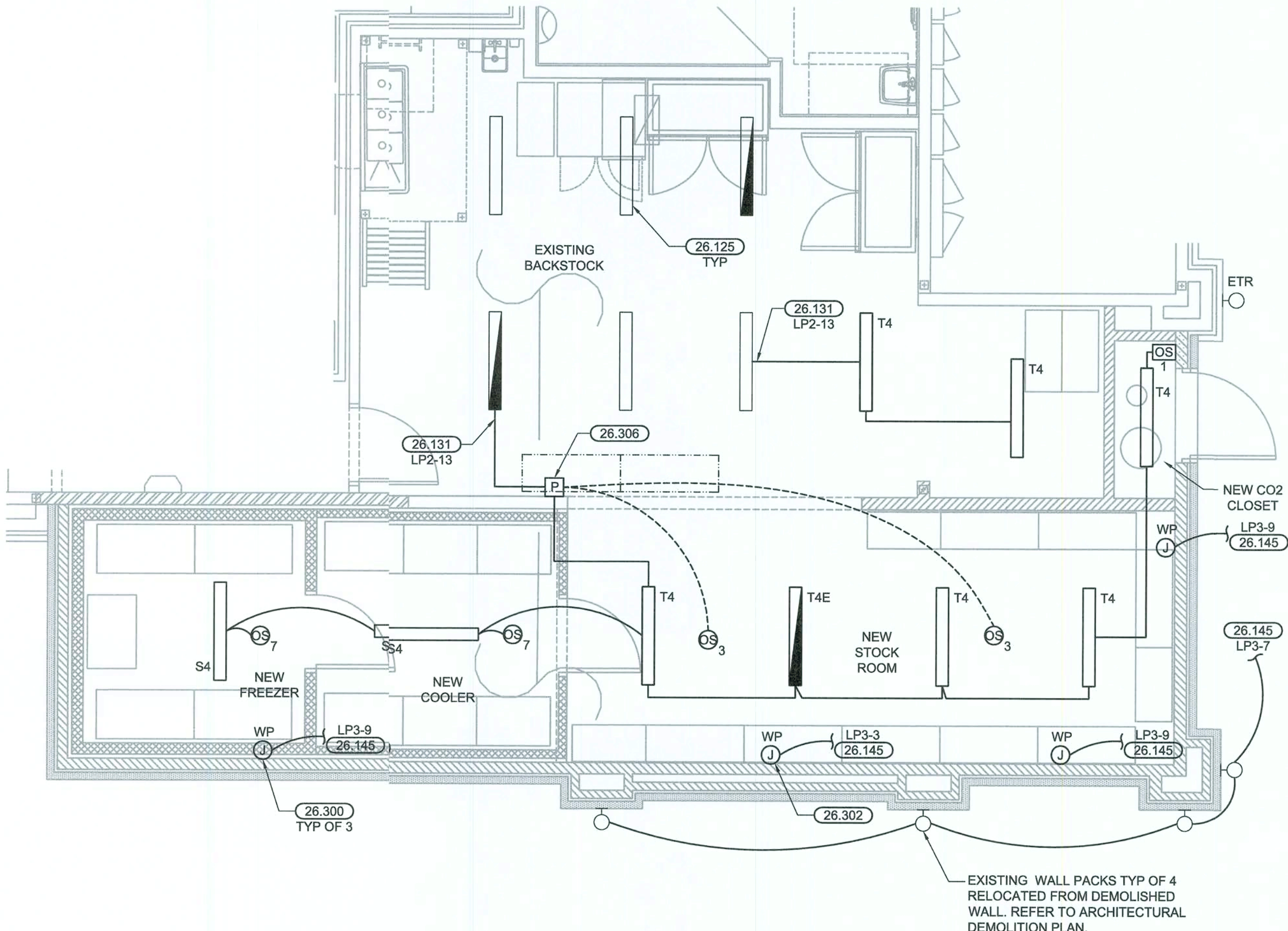
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LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	VA	MOUNTING	REMARKS
S4	4' LINEAR VAPORTITE LED STRIP	EATON	V4T2-LD4-6-UNV-L850-CD1-WL-U	120	57	SURFACE	MOUNT TO BOTTOM OF STRUCTURE
T4	4' LINEAR LED STRIP LIGHT - HIGH OUTPUT	EATON	4SNLED-LD5-64HL-UNV-L850-CD1-LOV-U	120	43	SURFACE	MOUNT TO BOTTOM OF STRUCTURE
T4E	4' LINEAR LED STRIP LIGHT - EMERGENCY	EATON	4SNLED-LD5-64HL-UNV-L850-CD1-EL14W-LOV-U	120	43	SURFACE	MOUNT TO BOTTOM OF STRUCTURE (9)
NOTES: 1. LIGHT FIXTURES TO BE PROVIDED BY OWNER, INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. 2. PROVIDE ARROWS AND FACES AS INDICATED ON THE DRAWINGS. 3. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS. 4. ELECTRICAL CONTRACTOR SHALL INSTALL ALL CEILING MOUNTED LIGHT FIXTURES IN LOCATIONS AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLAN. 5. GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURE: INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS, ELECTRICAL CONTRACTOR SHALL COORDINATE. 6. ALL LIGHT FIXTURES SHALL BE SECURED TO THE CEILING FRAMING SYSTEM BY MECHANICAL MEANS (SUCH AS BOLTS, SCREWS, OR RIVETS) OR BY CLIPS IDENTIFIED FOR USE WITH THE TYPE OF CEILING, FRAMING MEMBER, AND LIGHT FIXTURE. 7. EMERGENCY LIGHTS SHALL HUG CEILINGS. IN NON-CEILING STORAGE ROOMS, LOCATED BOTTOM OF FIXTURE AT 12'-0" AFF. 8. PROVIDE DRYWALL FRAME KIT. 9. EMERGENCY FIXTURE WITH EMERGENCY BATTERY.							

KEYNOTES	GENERAL LIGHTING NOTES
26.125 EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE. 26.131 CONNECT TO EXISTING CIRCUIT. E.C SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING CIRCUIT HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD. 26.145 CONNECT TO EXISTING BRANCH CIRCUIT. VERIFY PRIOR TO ROUGH-IN THAT EXISTING CIRCUIT HAS CAPACITY TO ACCOMMODATE NEW LOAD. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO INSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. 26.300 BACKLITE FASCIA LIGHT BOXES WILL BE ERECTED BY OWNER, UP TO 105'-0" LENGTHS, UP TO (7) 15' SECTIONS AT A TIME. FASCIAS MAY BE LAID OUT STARTING FROM THE LEFT TO THE RIGHT, THE ELECTRICAL CONNECTION POINT IS ALWAYS THE TOP CENTER OF THE LEFT BOX. INSTALL J-BOX ON INSIDE OF EXTERIOR WALL AND CONNECT CABLE THROUGH WALL TO BOX. CABLES CONTINUE INSIDE THE REMAINING LIGHT BOXES TO EACH POINT SHOWN. 26.302 SEE ARCH. ELEVATIONS FOR MOUNTING HEIGHTS OF SIGNS. 26.306 POWER PACK FOR OCCUPANCY SENSOR. MOUNT ON WALL AT 96" AFF. CONNECT TO UN-SWITCHED HOT LEG OF LIGHTING CIRCUIT. PROGRAM FOR AUTO ON/OFF.	1. EMERGENCY BATTERY LIGHTING UNITS AND EXIT SIGNS SHALL BE CONNECTED TO THE UN-SWITCHED HOT LEG OF THE BRANCH CIRCUIT. 2. FIXTURES SHOWN HATCHED ARE THE "E" TYPE OF THE FIXTURE AND HAVE AN EMERGENCY BATTERY. CONNECT TO AN UN-SWITCHED HOT CONDUCTOR. 3. EMERGENCY LIGHTING: WALL FIXTURE: 12" BELOW FINISHED CEILING OR +10'-0" IN AREAS OF EXPOSED STRUCTURE UNLESS NOTED OTHERWISE. REMOTE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING +9'-0" UNLESS NOTED OTHERWISE. 4. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS. 5. VERIFY THAT THE OPERATING MECHANISM OF LIGHT SWITCHES IN THE BUILDING ARE MOUNTED AT A HEIGHT THAT IS IN ACCORDANCE WITH ADA AND LOCAL ACCESSIBILITY REQUIREMENTS. ANY SWITCH NOT IN ACCORDANCE WITH ADA AND LOCAL ACCESSIBILITY REQUIREMENTS IS TO BE LOWERED TO THE APPROPRIATE HEIGHT. GENERAL CONTRACTOR SHALL REPAIR WALL AND FINISHES AS REQUIRED. EXISTING CONTROLS AND LIGHTING PATTERNS ARE TO BE MAINTAINED. EXTEND/REROUTE EXISTING BRANCH CIRCUITRY AS REQUIRED.



1 OVERALL LIGHTING PLAN
1/4" = 1'-0"



2 LIGHTING PLAN
1/4" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS. TYPICAL OF ALL ELECTRICAL SHEETS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE. TYPICAL OF ALL ELECTRICAL SHEETS.

pb2
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LOVES STORE #724
13700 US HIGHWAY 441
LAKE CITY, FL 32025

HOT TO GO REMODEL /
BUILDING EXPANSION

JOB NUMBER: 2019.0328

Love's
Travel Stop &
Country Stores

ISSUE BLOCK	

CHECKED BY:	TJ
DRAWN BY:	PN
DOCUMENT DATE:	01/29/2020

PROFESSIONAL ENGINEER
KETH A. WILLIAMS
LICENSE
No. 64983
STATE OF FLORIDA
2-5-2020

LIGHTING
PLAN

SHEET:
E1

SYMBOL LEGEND	
(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	EMERGENCY FIXTURE
	SWITCH, SINGLE POLE
	SWITCH, 3-WAY
	SWITCH, 4-WAY
	SWITCH, KEYED
	SWITCH, DIMMER
	SWITCH, VARIABLE SPEED
	SWITCH, MANUAL MOTOR
	ULTRASONIC WALL SWITCH OCC. SENSOR, MANUAL ON, AUTO OFF
	PIR DIMMER WALL SWITCH OCC. SENSOR, MANUAL ON, AUTO OFF
	ULTRASONIC CEILING OCC. SENSOR
	DUAL-TECH WALL SWITCH OCC. SENSOR, MANUAL ON, AUTO OFF
	ULTRASONIC, LOW TEMPERATURE CEILING OCC. SENSOR
	POWER PACK
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY
	RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, DUPLEX ISOLATED GROUND
	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND
	RECEPTACLE, SIMPLEX TWIST LOCK, LS-1SR, UNO
	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, LS-1SR, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, LS-1SR, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, LS-1SR, UNO
	RECEPTACLE, SPECIAL
	RECEPTACLE, SIMPLEX
	RECEPTACLE, PLUG-MOLD
	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
	ALARM JUNCTION BOX, (WALL MOUNTED/CEILING MOUNTED)
	ALARM JUNCTION BOX, FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	UNDERGROUND CONDUIT RUN
	LOW VOLTAGE CIRCUITRY
	CIRCUIT, CONCEALED
	CIRCUIT, EXPOSED
	CONDUIT SLEEVE
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	VOICE / DATA BOX
	LOW VOLTAGE CABLE BOX FOR OTHER
	VOICE / DATA, FLUSH FLOOR
	MOTOR
	TELEPOWER POLE
	PUSH BUTTON
	BUZZER
	SMOKE DETECTOR
	HORN / STROBE
	DOOR HOLD OPEN
	HBA DIGITAL TIMER SWITCH - TD200
CF	CONDENSER FANS
ED	ELECTRIC DEFROST

LP6		PANELBOARD EXISTING										208/120V, 3PH, 4W 225A, M.L.O.		
SERVES: GENERAL POWER LOCATION: FOUNTAIN ROOM														
	DESCRIPTION	WIRE	BRKR	PL	KVA			PL	BRKR	WIRE	DESCRIPTION			
					A	B	C							
1	alushi machine (11)		20	1	1.44	0.24		1	20		creamer dispenser (11)	2		
3	ice tea machine (11)		20	1		1.70	0.24	1	20		CREAMER DISPENSER (4,11)	4		
5	S-55 CAPPUCHINO MACHINE (4,11)		20	1			1.80	2.55	2	30	K-22 COFFEE BREWER (11)	6		
7	K-22A BEAN TO CUP MACHINE (11)		20	2	1.66	2.55		1.66	2.55	2	30	K-22 COFFEE BREWER (11)	8	
9			20	2				1.66	2.55	2	30		10	
11	K-22A BEAN TO CUP MACHINE (11)		20	2						2	30		12	
13			20	1	1.66	0.90				1	20	ref-drink bar (11)	14	
15	hot dog grill (11)		20	1		1.32	2.07		2	30	K-93A POST ICE MAKER	16		
17	hot dog grill (11)		20	1				1.32	2.07	1	20		18	
19	microwave (11)		20	1	1.00	0.60				1	20	freezer (11)	20	
21	microwave (11)		20	1		1.00	0.94			1	20	food prep table (11)	22	
23	hot dog grill (11)		20	1				1.32	0.48	1	20	warming drawer (11)	24	
25	hot dog grill (11)		20	1	1.32	0.48				1	20	warming drawer (11)	26	
27	food warmer (11)		20	1		1.36	0.20			1	20	chill cheese dispenser (11)	28	
29	K-93A POST ICE MAKER	10	30	2				2.07	0.48	1	20	hot dog bar (11)	30	
31					2.07	0.62				1	20	K-13 POP ICE DISPENSER (4)	32	
33	space					0.00	0.62			1	20	K-13 POP ICE DISPENSER (4)	34	
35	space							0.00	0.00			space	36	
37	space				0.00	0.00						space	38	
39	space						0.00	0.00				space	40	
41	space							0.00	0.00			space	42	
TOTAL					14.55		13.67				KVA			
TOTAL LOAD					121.25		113.88				AMPS			
FEEDER LOAD					44.52						AMPS			
PER NEC ARTICLE 220:					28.94						AMPS			
- EXISTING KVA LOAD INFORMATION BASED OFF OF ASBUILT DRAWINGS.														

LP2		PANELBOARD EXISTING										208/120V, 3PH, 4W 400A, M.L.O.			
SERVES: GENERAL POWER LOCATION: ELECTRICAL ROOM															
	DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
					A		B		C						
1	lighting - cashier Office (11)		20	1	0.98	0.84					1	20	rec. - sales shelving (11)		2
3	lighting - vaulted ceiling (11)		20	1			1.23	1.08			1	20	rec. - back stock (11)		4
5	lighting - main retail (11)		20	1					1.14	0.35	1	20	rec. - mech. showers (11)		6
7	lighting - truck retail (11)		20	1	1.11	1.08					1	20	rec. - showers, fans (11)		8
9	lighting - electrical room (11)		20	1			0.74	0.18			1	20	paper towel dispenser (11)		10
11	el - 4 spare room (11)		20	1					0.60	1.08	1	20	rec. - showers (11)		12
13	MEN'S RR STORAGE/COOLER/FRZER LTS (11)		20	1	1.44	1.00					1	20	cooler (11)		14
15	rec. - shower fans (11)		20	1			1.26	0.18			1	20	rec. (11)		16
17	rec. - generator (11)		20	1					0.18	0.18	1	20	printer (11)		18
19	generator block heater (11)		40	2	0.75	0.72					1	20	rec. (11)		20
21							0.75	0.36			1	20	floor boxes - truck retail (11)		22
23	space		20	1					0.00	1.08	1	20	rec. - sales shelving (11)		24
25	space		20	1	0.00	0.72					1	20	rec. - auto side soffit (11)		26
27	rec. - diesel farm 1 tanker htr. (11)		20	1			1.20	0.98			1	20	ice merch. (11)		28
29	space		20	1					0.00	0.00	1	20	floor boxes - auto retail (11)		30
31	rec. - outside elec. room (11)		20	1	0.36	0.72					1	20	rec. - truck side soffit (11)		32
33	ru - spare circuit (11)		20	1			0.18	0.12			1	20	ef - 2 (11)		34
35	ru - rec. (11)		20	1					0.72	0.12	1	20	ef - 1 (11)		36
37	space		20	1	0.00	1.44					1	20	rec. (11)		38
39	space		40	2			0.00	1.08			1	20	rec. (11)		40
41									0.00	0.60	1	20	water softner (11)		42
43	space		20	1	0.00	0.32					1	20	EP-2 - COOLER EVAPORATOR (15)		44
45	propane pumps (11)		20	2			1.37	0.98			1	20	FREEZER/COOLER DOOR HTR/HEAT TAPE (5)		46
47									1.37	0.62	1	20	yard building (11)		48
49	space		20	1	0.00	1.08					1	20	rec. - sales shelving (11)		50
51	space		20	1			0.00	0.72			1	20	rec. - sales shelving (11)		52
53	space		20	1					0.00	0.90	1	20	rec. - car canopy (11)		54
55	space		20	1	0.00	0.72					1	20	rec. truck canopy (11)		56
57	space		20	1			0.00	0.12			1	20	rec. truck sales shelving (11)		58
59	space		20	1					0.00	1.50	1	20	space circuit w/tanker htr. (11)		60
61	rec. (11)		20	1	0.18	0.90					1	20	rec. laundry/fuel desk (11)		62
63	merchandise freezer (11)		20	1			0.00	0.60			1	20	lighting - cooler (11)		64
65	cooler door heaters (11)		20	1					1.50	0.18	1	20	rec. - front shelving (11)		66
67	merchandise refrigerator (11)		20	1	0.97	0.54					1	20	rec. - front shelving (11)		68
69	EP-1 - FREEZER EVAPORATOR (15)		20	2			0.20	0.06			1	20	ef - 3 (11)		70
71									0.20	0.00	1	20	space		72
73	hand dryer women's rr (11)		20	1	1.50	0.00					1	20	space		74
75	hand dryer women's rr (11)		20	1			1.50	0.70			1	20	cash / coin recycler (11)		76
77	hand dryer men's rr (11)		20	1					1.50	0.38	1	20	ice merchandiser rear (11)		78
79	hand dryer men's rr (11)		20	1	1.50	1.20					1	20	air compressor - self-service (11)		80
81	taco equipment (11)		20	1			1.20	1.20			1	20	price sign - front spare (11)		82
83	taco equipment (11)		20	1					1.20	1.20	1	20	price sign - front (11)		84
85	taco equipment (11)		20	1	1.20	0.72					1	20	rec. - game rm. (11)		86
87	rec. (11)		20	1			0.54	0.72			1	20	rec. - game rm. (11)		88
89	ice merchandiser front (11)		20	1					0.96	0.00	1	20	space		90
91	tire pass equipment (11)		20	1	0.54	3.12					3	50	oven (11)		92
93	tire pass equipment (11)		20	1			0.54	3.12							94
95	cash bill recycler (11)		20	1					0.00	3.12					96
97	existing load (11)		20	2	1.20	2.38					2	30	existing load (11)		98
101	CU-1 - FREEZER CONDENSER	10	30	3			1.20	2.38			3	20	CU-2 - COOLER CONDENSER		100
103					3.48	1.80			3.48	1.80					102
105							3.48	1.80							104
107	space								0.00	0.00			space		106
109	n/a				0.00	14.55					3	150	panel ip6 (11)		108
111	n/a						0.00	13.67							110
113	n/a								0.00	16.30					112
TOTAL					49.06		45.42		42.26		KVA		- EXISTING KVA LOAD INFORMATION BASED OFF OF ASBUILT DRAWINGS.		
TOTAL LOAD					408.79		378.47		352.17		AMPS				
FEEDER LOAD					136.73				379.54		AMPS				
PER NEC ARTICLE 220:					114.28				317.21		AMPS				

PANELBOARD NOTES ()						
(1)	TERMINATE GROUND ON ISOLATED GROUND BUS.					
(2)	INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER					
(3)	INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).					
(4)	GFI BREAKER FOR PERSONNEL PROTECTION (5mA).					
(5)	GFI BREAKER FOR EQUIPMENT PROTECTION (30mA)					
(6)	CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.					
(7)	REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.					
(8)	REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.					
(9)	FACTORY WIRED TO LOAD.					
(10)	BREAKER SHALL BE HIGH MAGNETIC TYPE.					
(11)	EXISTING CIRCUIT TO REMAIN.					
(12)	ROUTE CIRCUIT THROUGH CONTACTOR					
(13)	PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.					
(14)	HACR CIRCUIT BREAKER.					
(15)	EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.					
(16)	TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND PROVIDE COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE AND PLACE ON INTERIOR OF PANELBOARD DOOR. IF CIRCUIT IS A "SPARE" THEN REFER TO PANELBOARD NOTE (21).					
(17)	PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.					
GENERAL NOTES:						
1. E.C. SHALL ADD OR REARRANGE CIRCUIT BREAKERS WITHIN PANELBOARDS AS REQUIRED TO MATCH NEW CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS.						
2. NEW OVERCURRENT PROTECTIVE DEVICES PLACED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.						
3. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY THE REMODEL AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS.						
4. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.						
20A WIRE SIZING SCHEDULE						
ALL WIRE SIZES SHOWN ON PANEL SCHEDULES ARE INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE.						
THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 AND 277 VOLT). LENGTHS (IN FEET) ARE INTENDED TO BE MAXIMUM.						
120 VOLT	#12	#10	#8	#6		
1-5 AMPS	200 FT.	325 FT.	490 FT.	770 FT.		
6-10 AMPS	100 FT.	160 FT.	245 FT.	385 FT.		
11-15 AMPS	70 FT.	110 FT.	165 FT.	255 FT.		
277 VOLT	#12	#10	#8	#6		
1-5 AMPS	480 FT.	760 FT.	1170 FT.	1865 FT.		
6-10 AMPS	240 FT.	380 FT.	585 FT.	930 FT.		
11-15 AMPS	160 FT.	250 FT.	390 FT.	620 FT.		
20A WIRE SIZING SCHEDULE APPLIES TO EVERY SHEET WITH PANELBOARD SCHEDULES						
GROUND WIRE SIZING CHART						
BREAKER AMPACITY	WIRE	WIRE SIZE				
15-20	PHASE	#12	#10	#8	#6	#4
	GROUND	#12	#10	#8	#6	#4
25-30	PHASE	#10	#8	#6	#4	#3
	GROUND	#10	#8	#6	#4	#3
35-50	PHASE	#8	#6	#4	#3	#2
	GROUND	#10	#8	#4	#4	#4
60	PHASE	#6	#4	#3	#2	#1
	GROUND	#10	#6	#6	#4	#4
70	PHASE	#6	#4	#3	#2	#1
	GROUND	#8	#4	#4	#3	#2
80-90	PHASE	#4	#3	#2	#1	#1/0
	GROUND	#8	#6	#4	#4	#3
100	PHASE	#3	#2	#1	#1/0	#2/0
	GROUND	#8	#6	#4	#4	#3
WIRE SIZES PER NEC 250.122 (B)						
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.						
EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.						