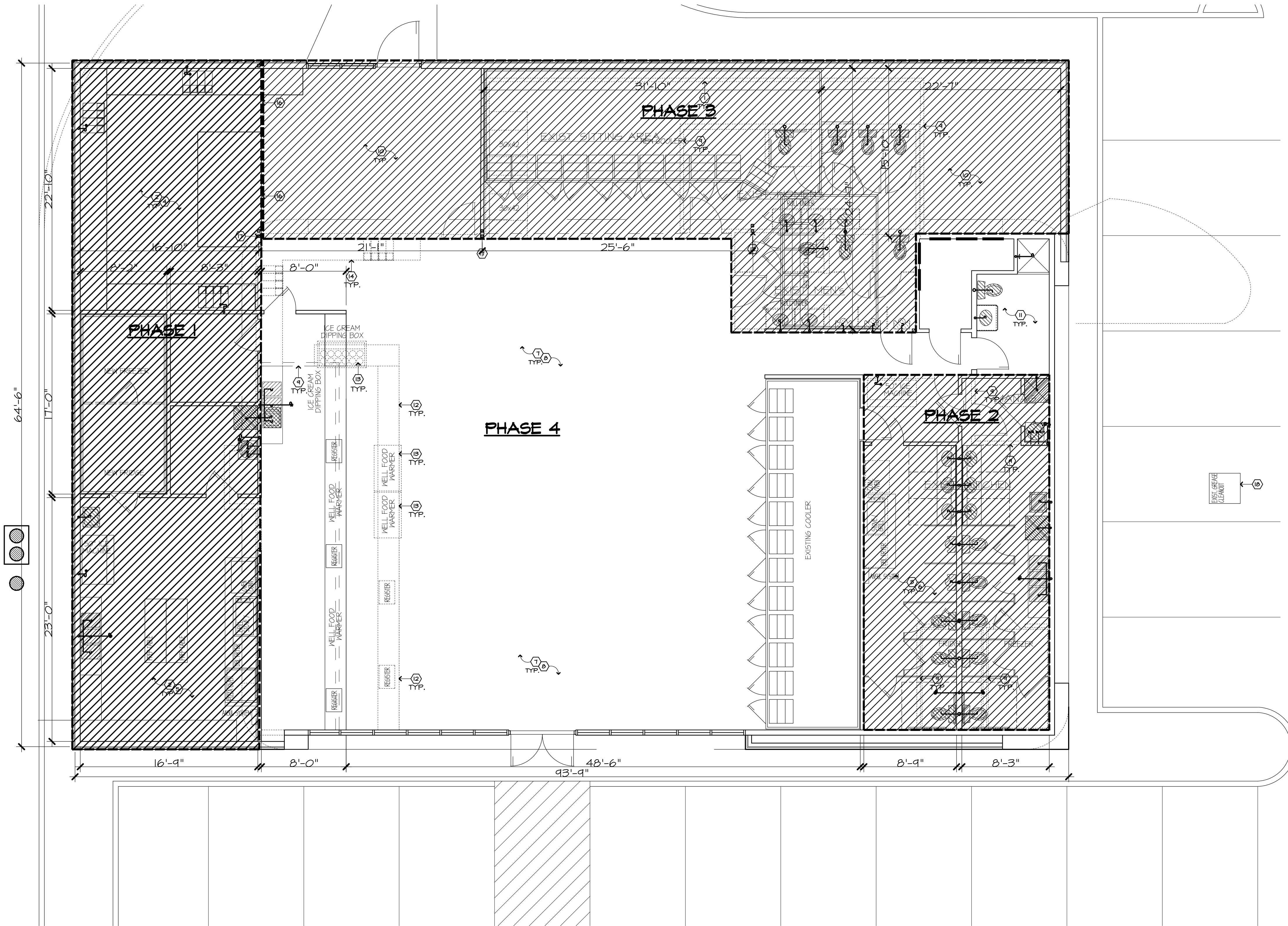




DEMOLITION PLAN &
PHASES OF CONSTRUCTION LAYOUT
N.T.S.

GENERAL NOTES	
MARK	DESCRIPTION
1	CONSTRUCTION PHASES TO BE FOLLOWED TO KEEP BUILDING OPEN DURING CONSTRUCTION
2	PHASE 1 - NEW ADDITION - THIS AREA - EXISTING KITCHEN EQUIPMENT TO BE USED - NEW VENT HOOD & ANSUL SYSTEM - SEE STRUCTURAL PLANS FOR REF
3	PHASE 2 - NEW BATHROOMS TO BE CONSTRUCTED THIS AREA
4	PHASE 1 - BEVERAGE & FOUNTAIN AREA TO BE CONSTRUCTED DURING PHASE 1 BUT NOT IN USE UNTIL PHASE 3 IS COMPLETE & OPENED
5	PHASE 1 - KITCHEN EQUIPMENT TO BE ORDERED AND ON SITE WITH SPECIFICATIONS SHEETS FOR ELECTRICAL & PLUMBING TO VERIFY REQUIREMENTS FOR CONSTRUCTION
6	PHASE 1 - KITCHEN EQUIPMENT BEING REUSE TO BE MOVED OUT OF PHASE 2 JUST PRIOR TO COMPLETION
7	REMOVE LAY-IN CEILING THROUGHOUT AND REPLACE W/ NEW GRID AND TILES THROUGHOUT
8	REMOVE TILE FLOORING & REPLACE W/ A COF ≥ 0.42 TILE PLANK THROUGHOUT
9	REMOVE WALL THIS LOCATION
10	PHASE 3 - EXISTING PLUMBING TO REMAIN UNTIL PHASE 2 IS COMPLETED - AFTER COMPLETION OF PHASE 2 REMOVE & CAP ALL PLUMBING IN AREA - REMOVE EXISTING GREENHOUSE & PREPARE SITE FOR NEW ADDITION - SEE STRUCTURAL PLANS
11	SHOWER AREA TO BE COMPLETED AS TIME ALLOWS - NEW TILE, FIXTURES, & WATER LINES
12	EXISTING COUNTER TO BE RELOCATED - PREPARE FOR NEW PAINT
13	EXISTING EQUIPMENT TO BE RELOCATED
14	EXISTING EQUIPMENT TO BE REMOVED - OWNER TO VERIFY NEW LOCATION
15	ALL SUBCONTRACTORS TO VISIT SITE PRIOR TO SUBMISSION OF BIDS TO VERIFY WHAT IS REQ.
16	CONSTRUCT TEMPORARY WALL THIS LOCATION UNTIL PHASE 3 IS COMPLETE
17	EXISTING COLUMN TO REMAIN FRAME AROUND IT & NEW COLUMN
18	EXISTING GREASE TRAP TO BE CAPPED OFF

REGISTERED ARCHITECT
JAMES
McFADDEN
License Number
9547
James M. McFadden
2/06/2023

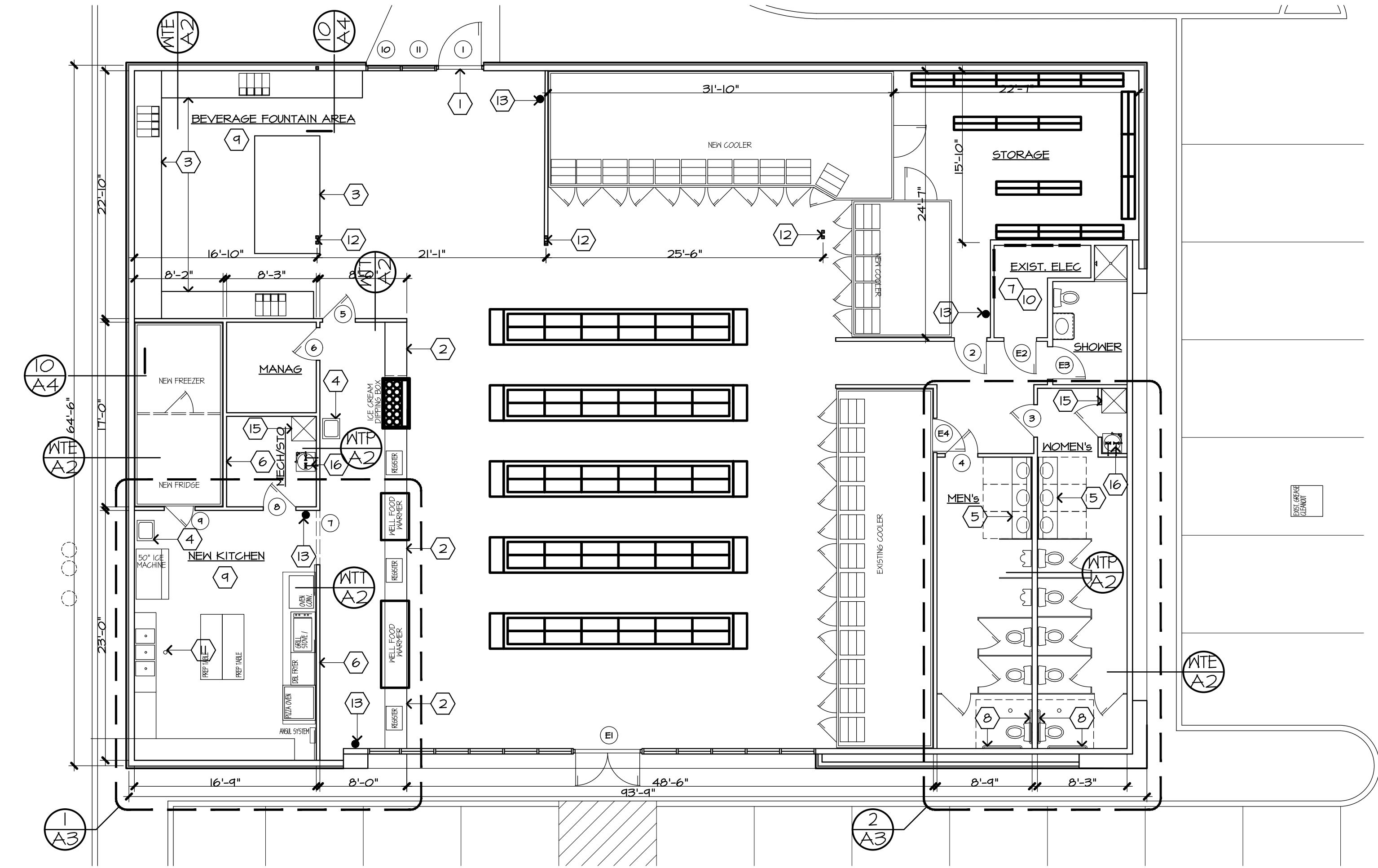
DEMOLITION PLAN & PHASES OF CONSTRUCTION LAYOUT
NOTES & DETAILS

ADDITION AND RENOVATION TO:
OSCEOLA STATION
P&B & H&M AG - 4410 N. KESLER
OSCEOLA, AR 72370

COM. NO.: 46932
DATE: 12/01/2022
FILE:

MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com

MDS



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

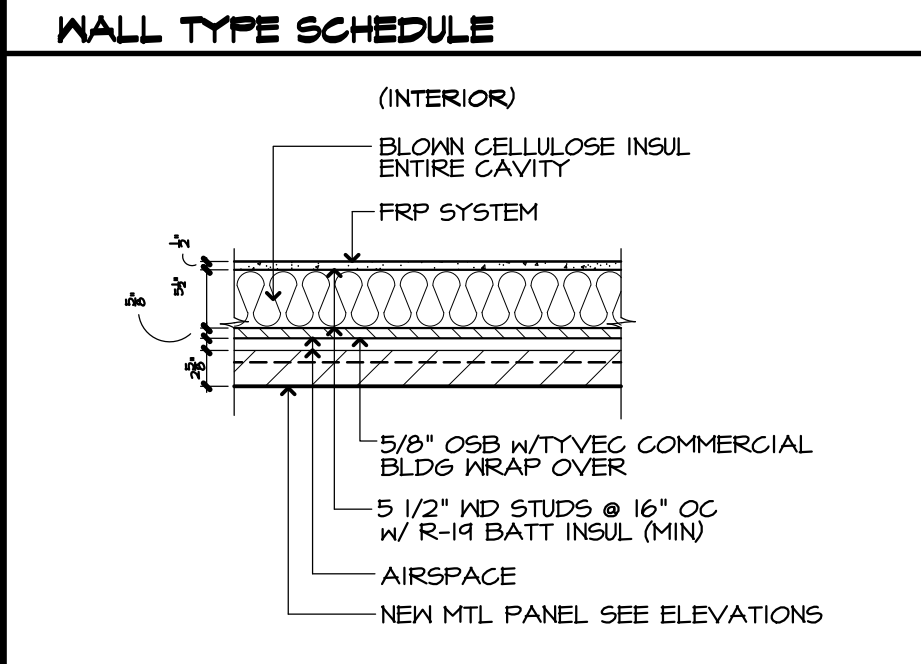
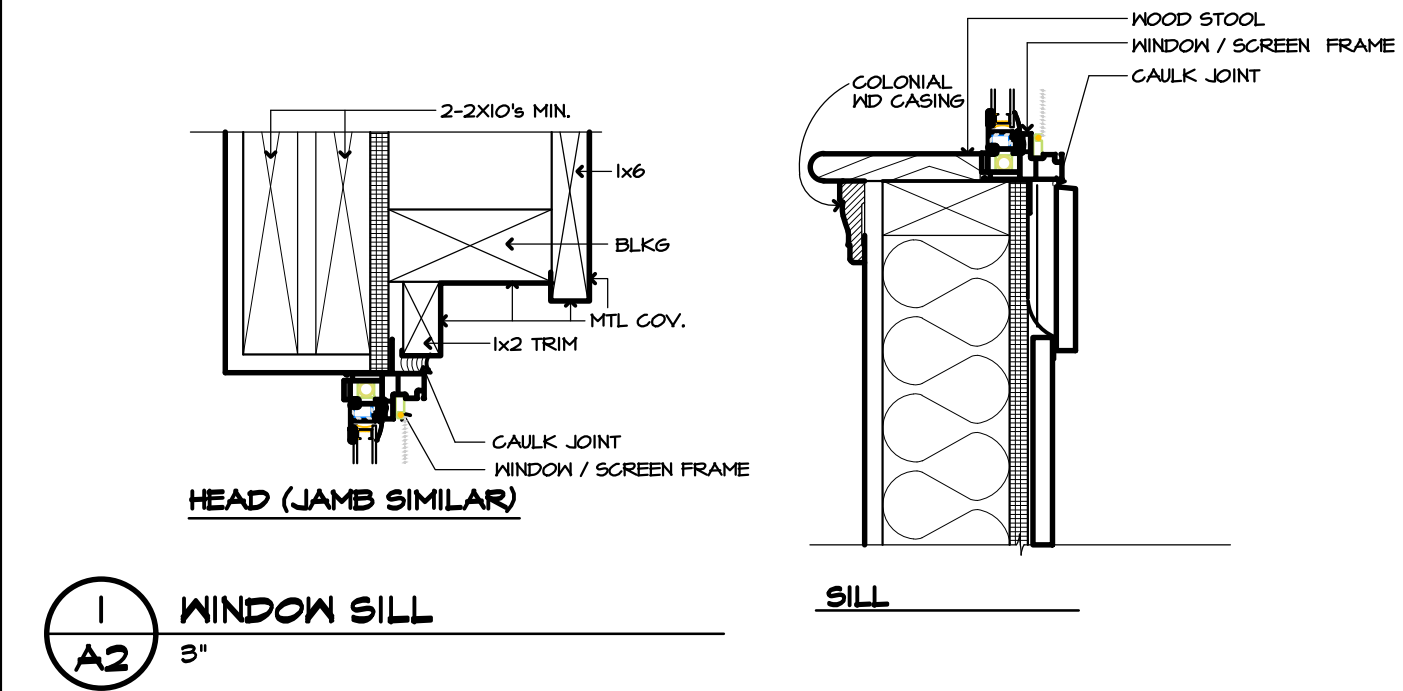
- GENERAL NOTES**
- NEW MTL THRESHOLD - ADA APPROVED
 - EXISTING REGISTER COUNTERS NEW LOCATION - PRIME AND PAINT - OWNER TO VERIFY COLOR
 - NEW BASE CABINETS STANDARD FLAT FACED CABINET LOCKABLE DOORS
 - HAND SINK LOCATION - SEE PLUMBING PLANS
 - VANITY - ADA PROFILE TOP, REMOVABLE SKIRT W/ RECESSED SOAP DISPENSER - SEE SHEET A3
 - PRE-MFG ADJUSTABLE MTL SHELVING LOCATION - PROVIDED & INSTALLED BY CONTRACTOR
 - EXISTING ELECTRICAL ROOM NO NEW ADDITIONS TO THIS AREA - ELECTRICAL TO BE RE-WORKED FOR NEW KITCHEN LOCATION & FOUNTAIN STATION
 - MTL GRAB BARS MOUNTED TO SOLID BLOCKING PER ANSI STANDARDS - SEE SHEET A3
 - SEE APPLIANCE SCHEDULE FOR ALL EQUIPMENT - VERIFY REQUIREMENTS PRIOR TO CONSTRUCTION
 - ELECTRICAL MDP VERIFY LOCATION - SEE ELECTRICAL POWER PLANS FOR REF
 - FLOOR DRAIN LOCATION W/ ROUNDED SLOPE TO DRAIN SLAB AREA - SEE PLUMBING PLANS FOR REF
 - TYPICAL ALL EXISTING/NEW METAL COLUMNS TO BE WRAPPED - NO EXPOSED STRUCTURE
 - FIRE EXTINGUISHER LOC & MOUNTING BRACKET - HANDLE OF EXTINGUISHER TO BE @ 48" AFF - SEE MILLWORK
 - ALL MECHANICAL ON ROOF TOP - SEE HVAC PLANS
 - JANITOR SINK LOCATION - PROVIDE MOP HOLDER - SEE PLUMBING PLANS FOR REF
 - WATER HEATER LOC - SEE PLUMBING PLANS

OPENING SCHEDULE **** SEE EXTERIOR ELEVATIONS FOR REFERENCE**
ALL HARDWARE TO BE CLOSE FIST OPERABLE - VERIFY TYPE W/ OWNER

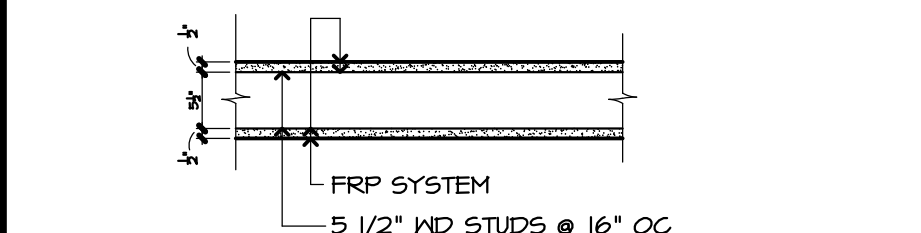
MARK	DOORS					REMARKS
	W	H	T	MAT	TYPE	
E1	6'-0"	7'-0"		ALUM		EXISTING STOREFRONT DOOR - LOCKSET, PANIC HRDWR, CLOSER, FULL
E2	3'-0"	7'-0"		HM		EXISTING DOOR - LOCKSET, KICK PL EA SIDE, CLOSER
E3	3'-0"	7'-0"		HM		EXISTING DOOR - NEW PRIVACY SET, ADA HANDLE, KICK PL EA SIDE, CLOSER
E4	3'-0"	7'-0"				EXISTING FREEZER DOOR TO REMAIN
1	3'-0"	7'-0"		ALUM		STOREFRONT DOOR - LOCKSET, PANIC HRDWR, CLOSER, FULL
2	3'-0"	7'-0"		HM		LOCKSET, ADA HANDLE, KICK PL EA SIDE, CLOSER
3	3'-0"	7'-0"		HM		PASSAGE SET, KICK PL EA SIDE, ADA HANDLE, CLOSER
4	3'-0"	7'-0"		HM		PASSAGE SET, KICK PL EA SIDE, ADA HANDLE, CLOSER
5	3'-0"	7'-0"		HM		PASSAGE SET, KICK PL EA SIDE, ADA HANDLE, CLOSER
6	3'-0"	7'-0"		HM		PRIVACY SET, ADA HANDLE, CLOSER
7	5'-0"	7'-0"		HM		CASED OPENING
8	3'-0"	7'-0"		HM		LOCKSET, KICK PL EA SIDE, ADA HANDLE, CLOSER
9	4'-0"	7'-0"		HM		CASED OPENING

WINDOWS

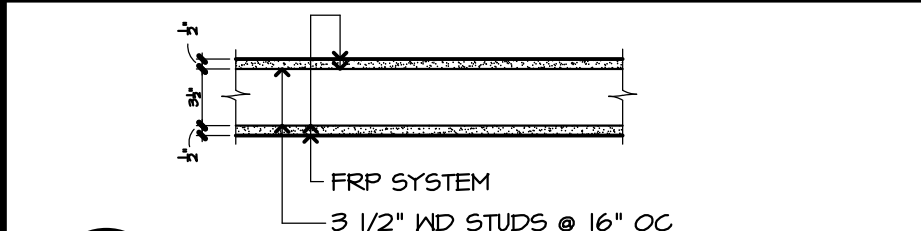
10	3'-0"	7'-0"	ALUM		STOREFRONT WINDOWS
11	3'-0"	7'-0"	ALUM		STOREFRONT WINDOWS



ENLARGED WALL PLAN
1" = 1'-0" *WALL TYPICAL @ EXTERIOR



ENLARGED WALL PLAN
1" = 1'-0" *WALL TYPICAL @ PLUMBING



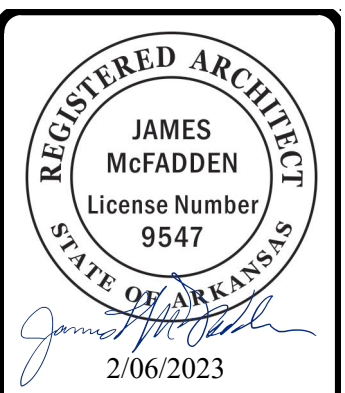
ENLARGED WALL PLAN
1" = 1'-0" *WALL TYPICAL THROUGHOUT

INTERIOR FINISH SCHEDULE

SPACE	FLOOR	BASE	WALLS	CEILING	CLG HT	REMARKS
	LVP - SLIP RESISTANT COF RATING 0.42 OR GREATER	NONE REQ. W/ FRP SYSTEM	FRP SYSTEM	2x4 LATH CLG TILES 2x4 LATH CLG TILES "X"X"	EXIST. HT 9'-6" TO REMAIN MATCH EXIST 9'-6"	
MAIN STORE AREA	•	•	•	•	•	
OFFICE	•	•	•	•	•	
SHOWER ROOM	•	•	•	•	•	
MEN & WOMEN RESTROOM	•	•	•	•	•	
MECHANICAL ROOMS	•	•	•	•	•	
KITCHEN	•	•	•	•	•	(1)

REMARKS INTERIOR FINISH SCHEDULE
(1) STAINLESS STEEL SHEETING AT KITCHEN HOOD VENT LOCATION TO FLOOR

- SIGNAGE NOTES**
- INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE RAISED CHARACTERS AND BRAILLE. PICTOGRAMS SHALL HAVE RAISED CHARACTERS AND BRAILLE. (AFPG E107.2)
 - SIGNS PROVIDING DIRECTION TO PERMANENT INTERIOR SPACES SHALL CONTAIN VISUAL CHARACTERS COMPLYING WITH ICC A117.1(AFPG E107.3)
 - A SIGN STATING EXIT IN RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. (AFPG I101.4)
 - REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT THE FOLLOWING LOCATIONS.
 - ACCESSIBLE PARKING SPACES (REFERENCE CIVIL)
 - ACCESSIBLE PASSENGER LOADING ZONES (REFERENCE CIVIL)
 - ACCESSIBLE TOILET ROOMS.

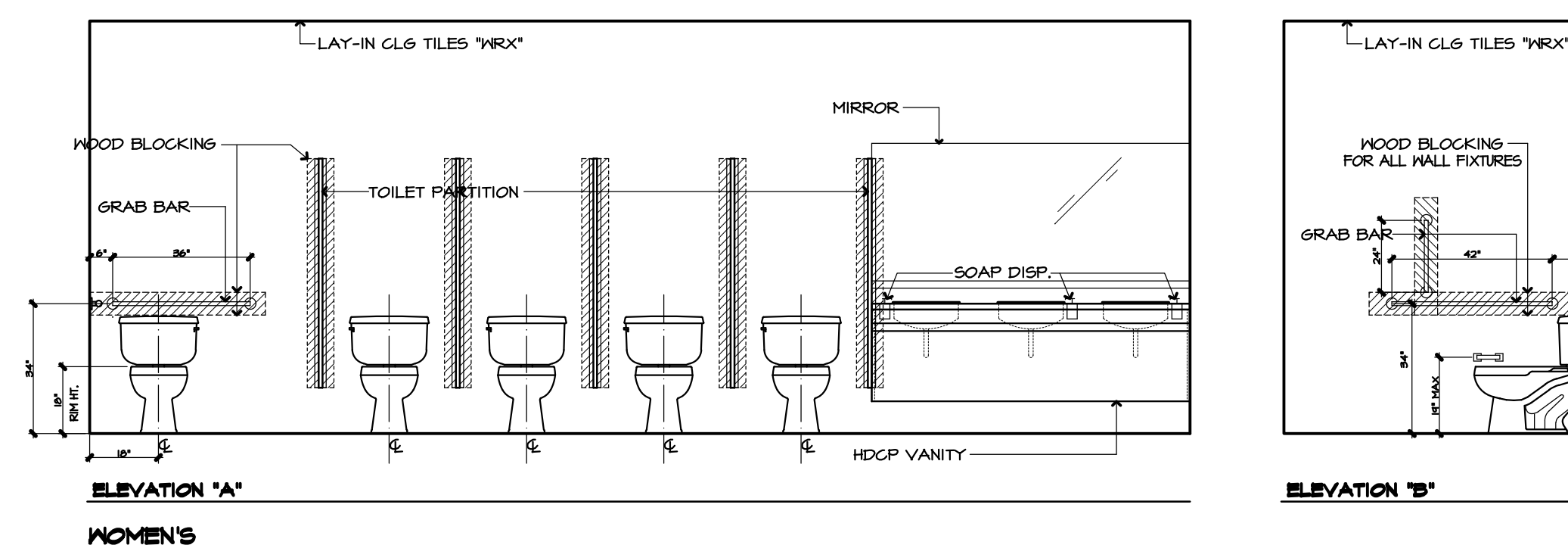


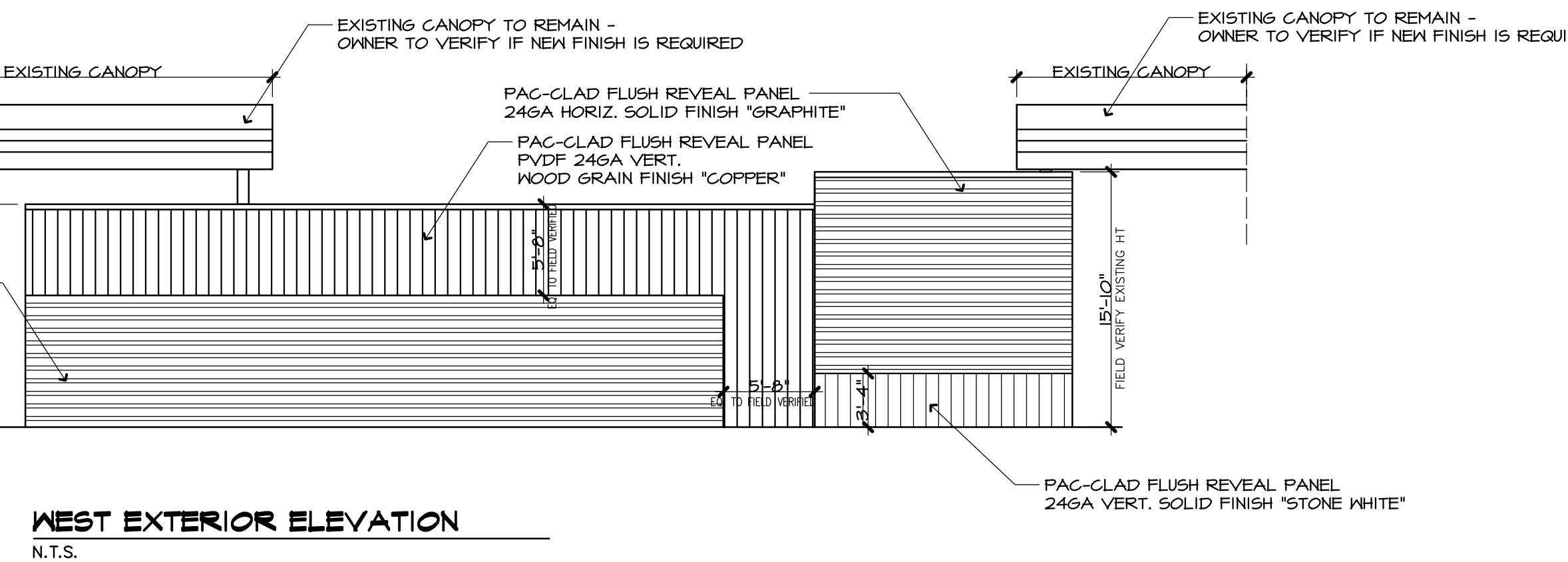
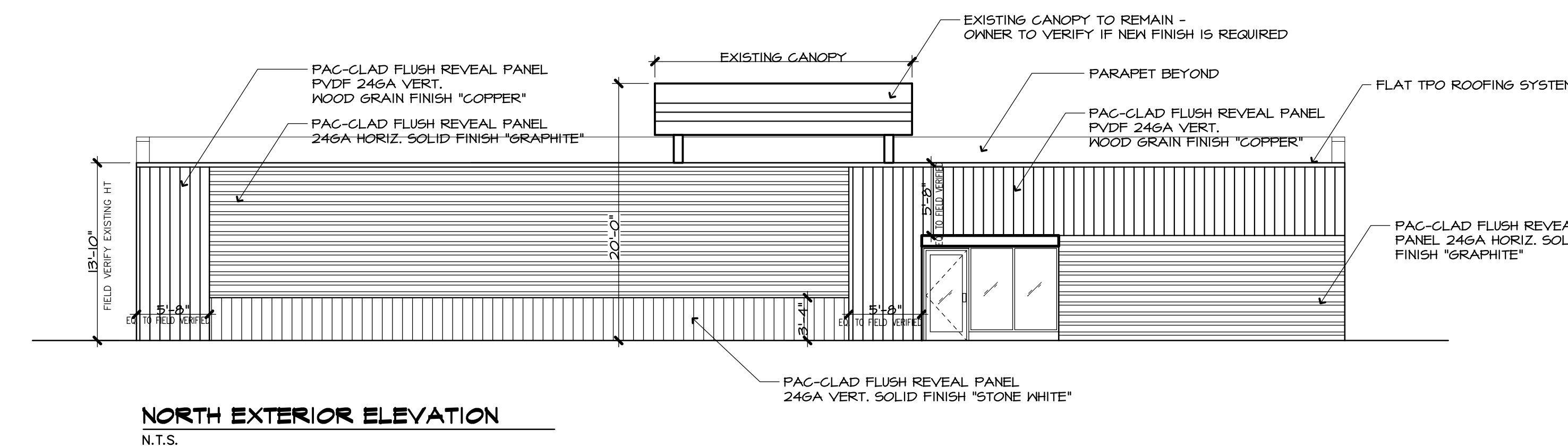
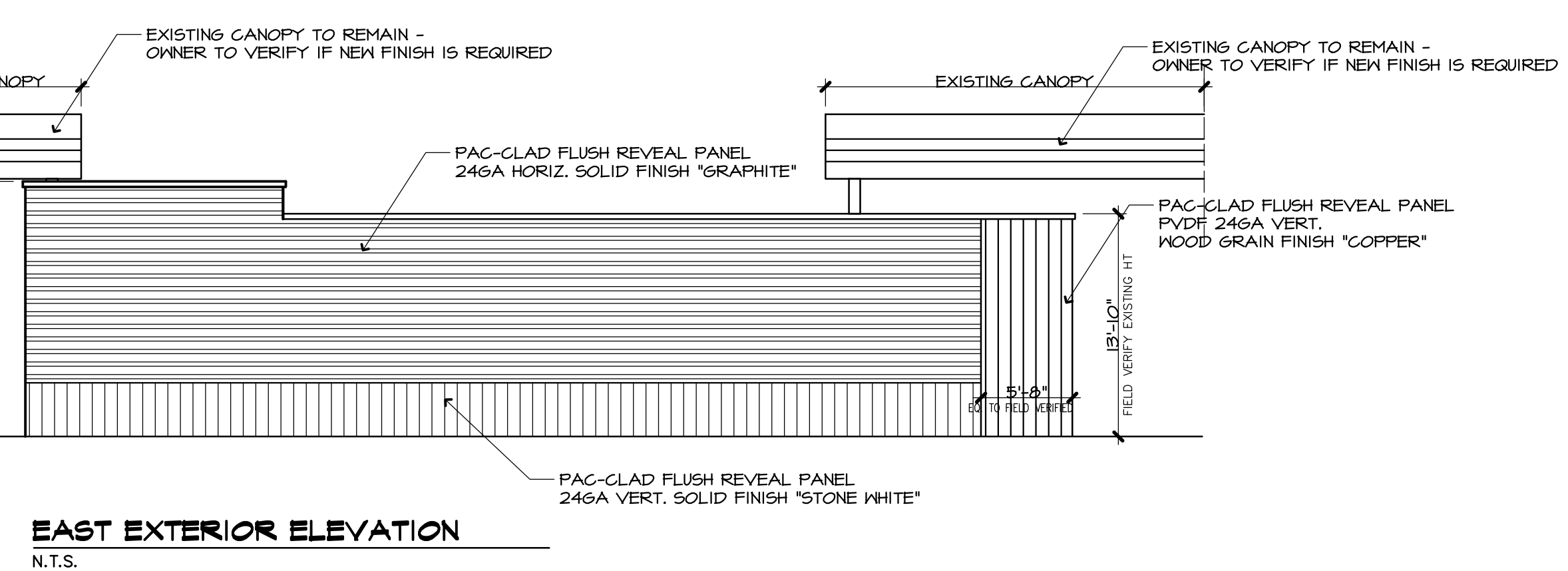
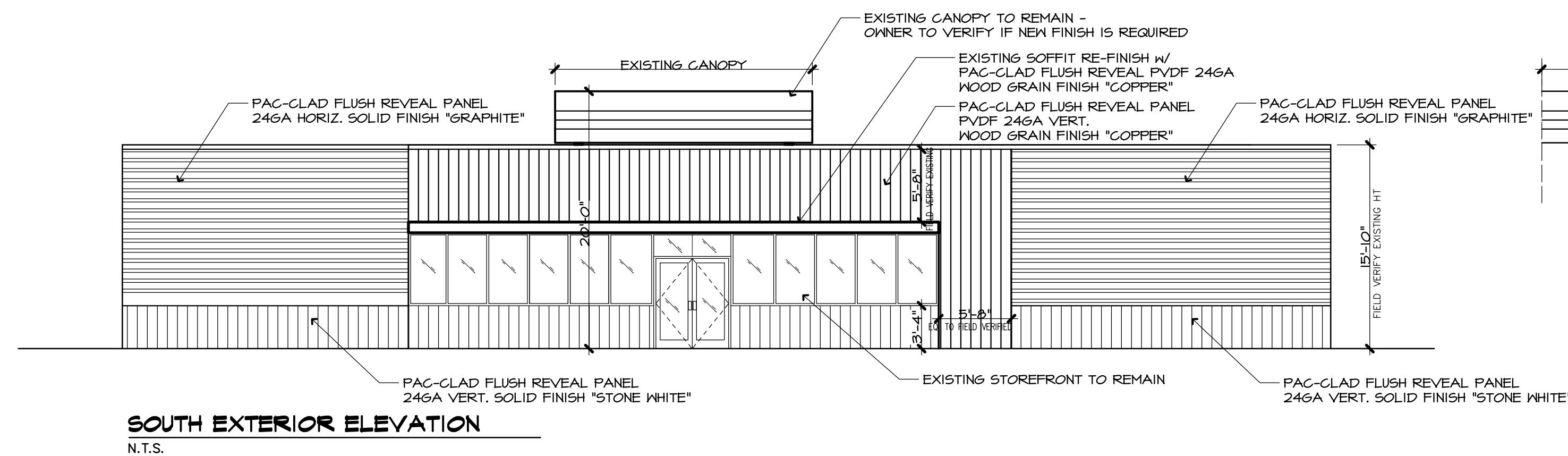
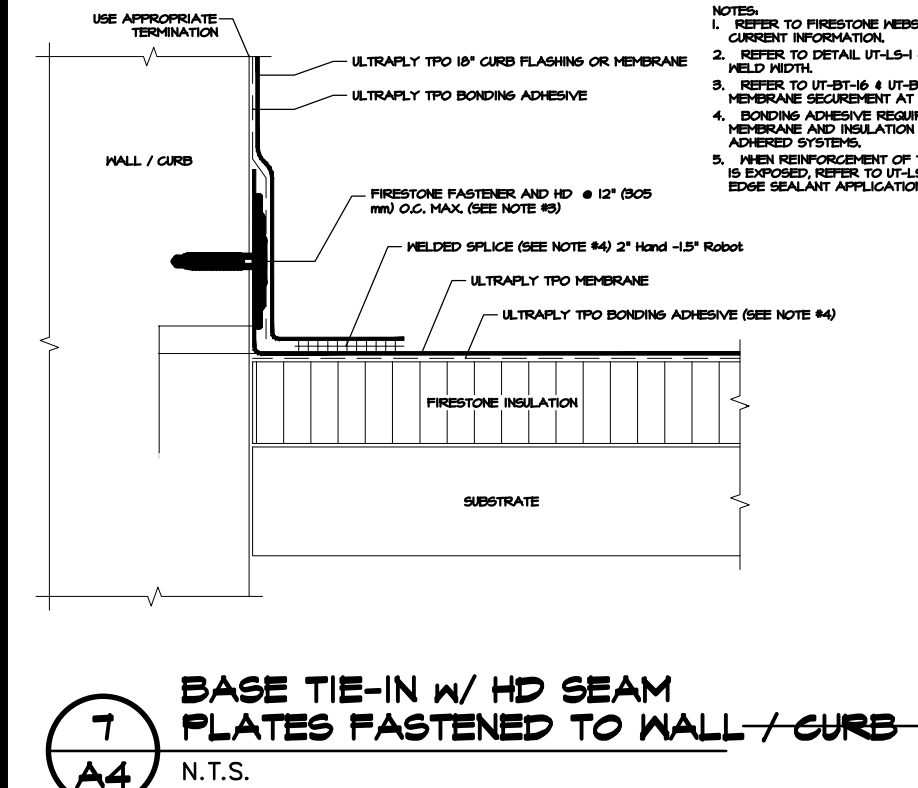
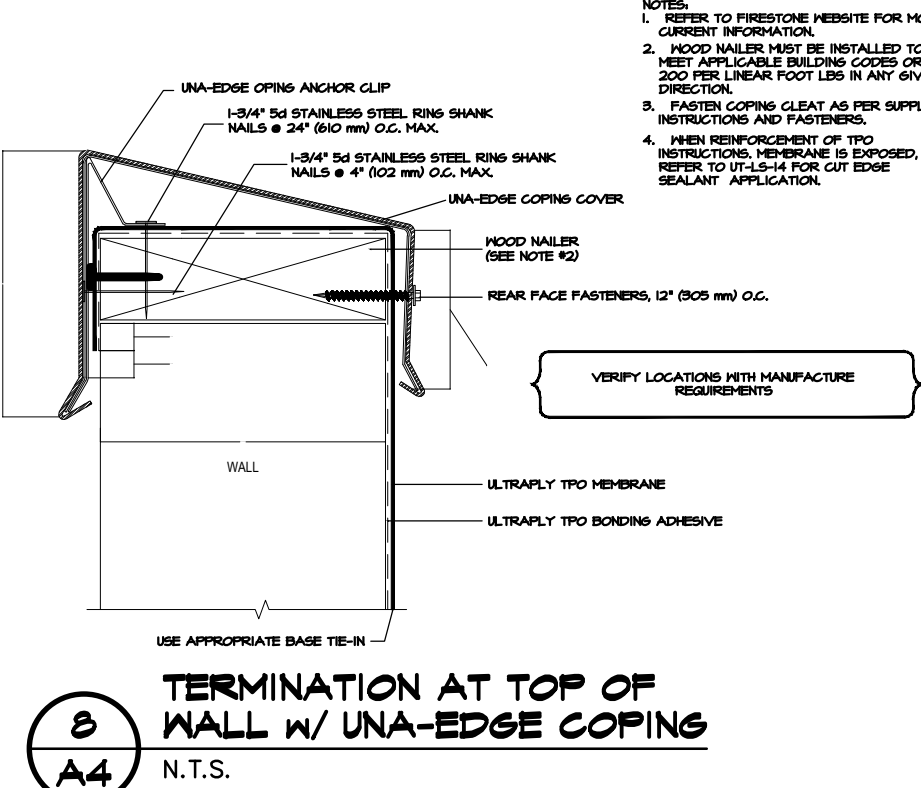
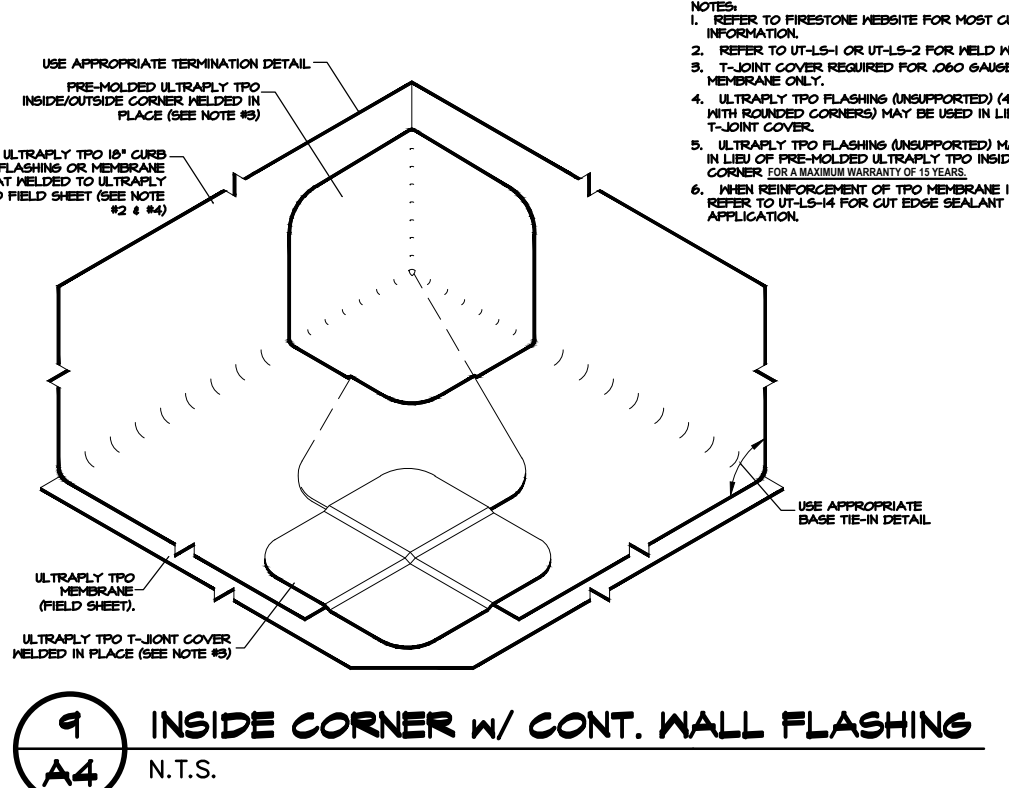
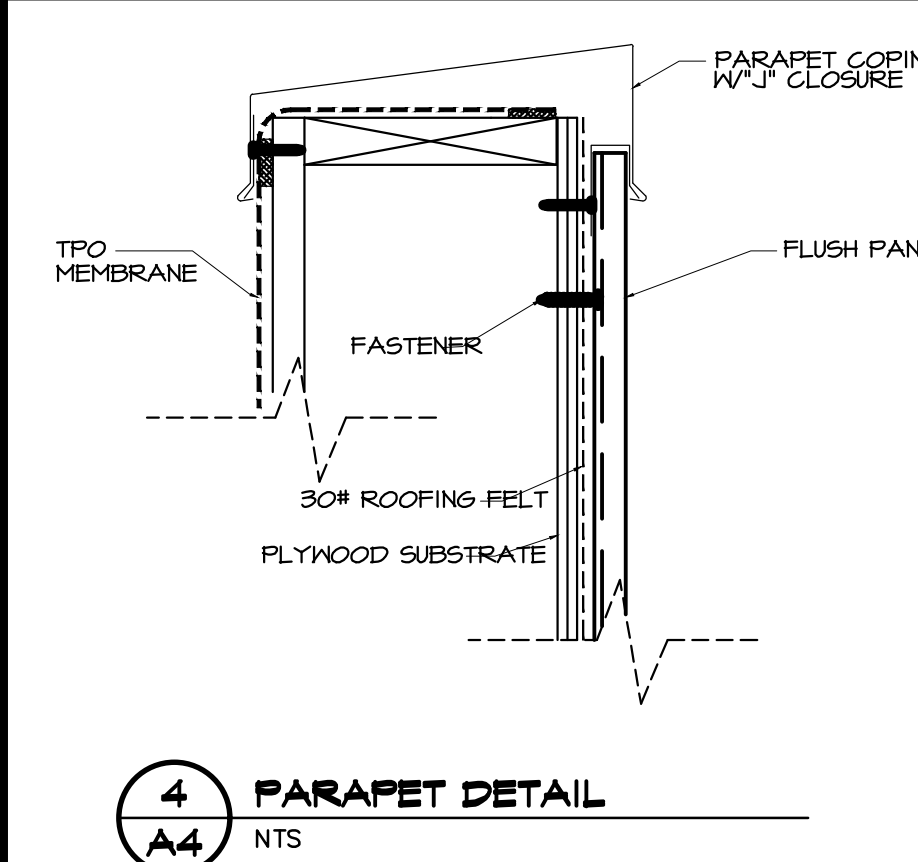
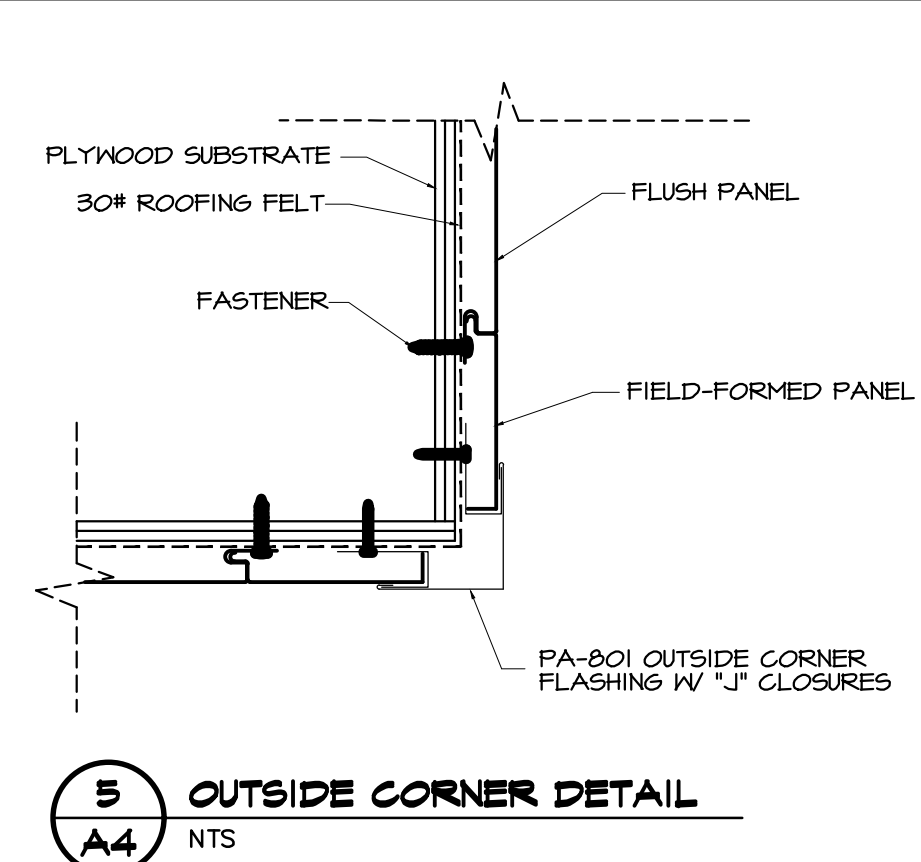
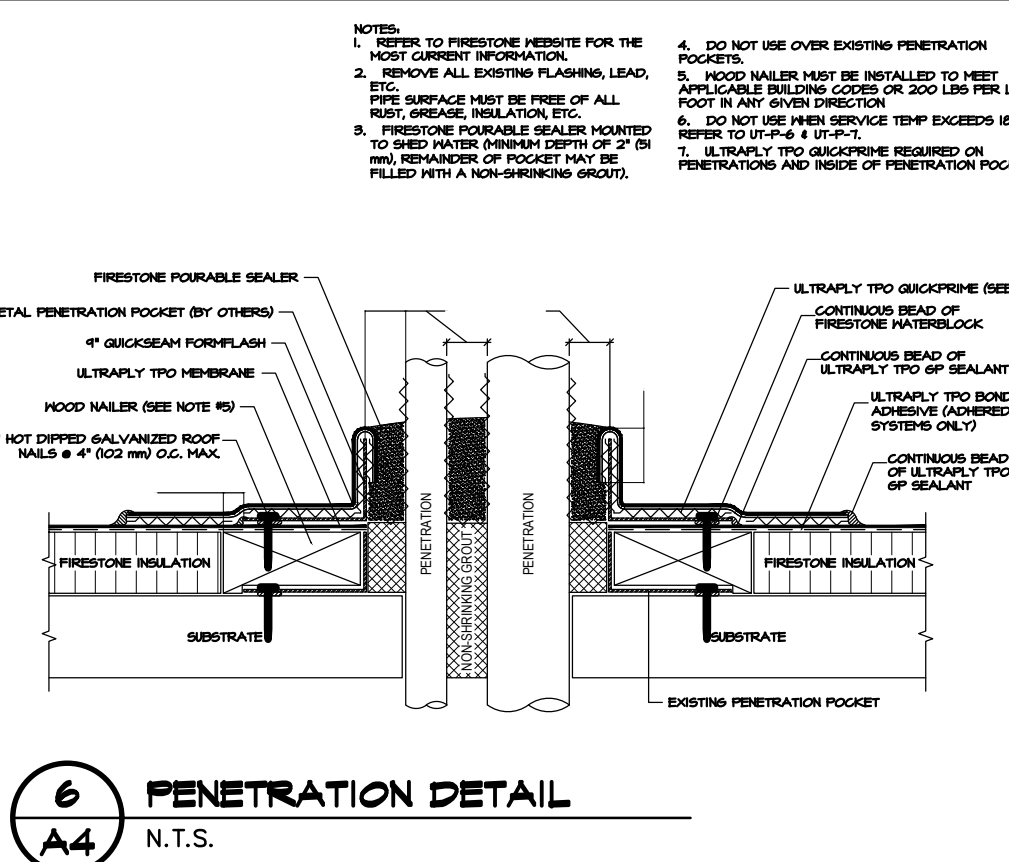
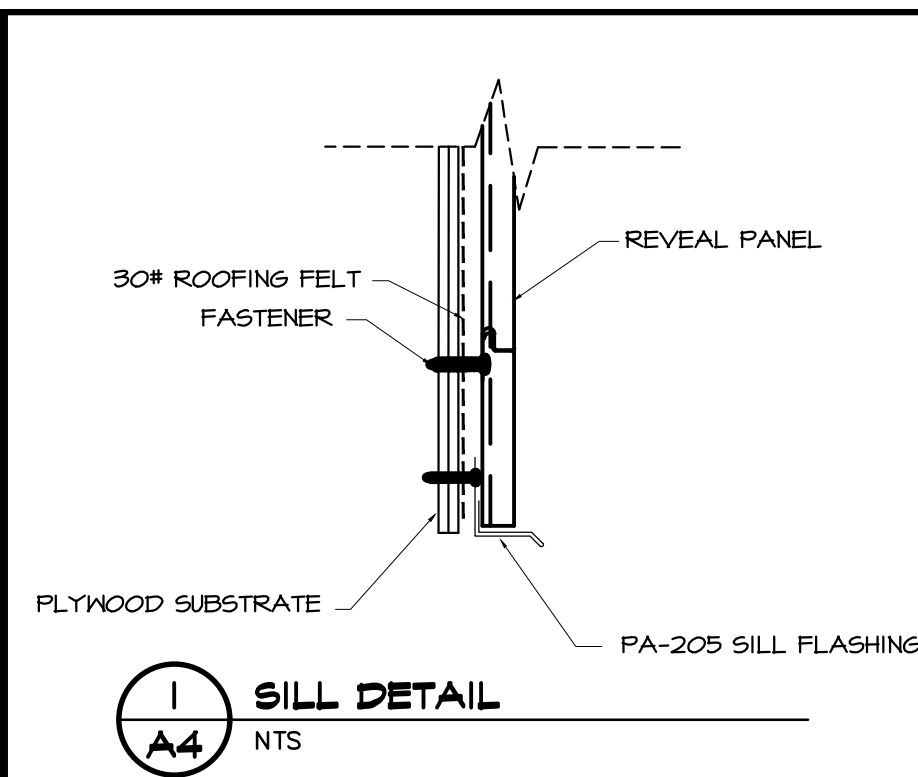
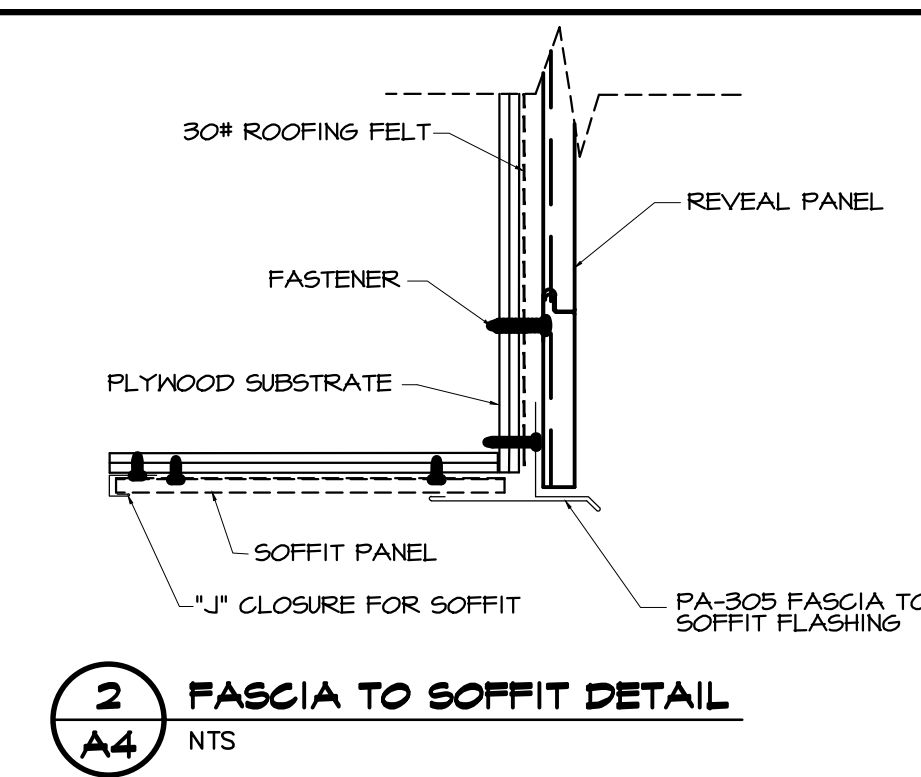
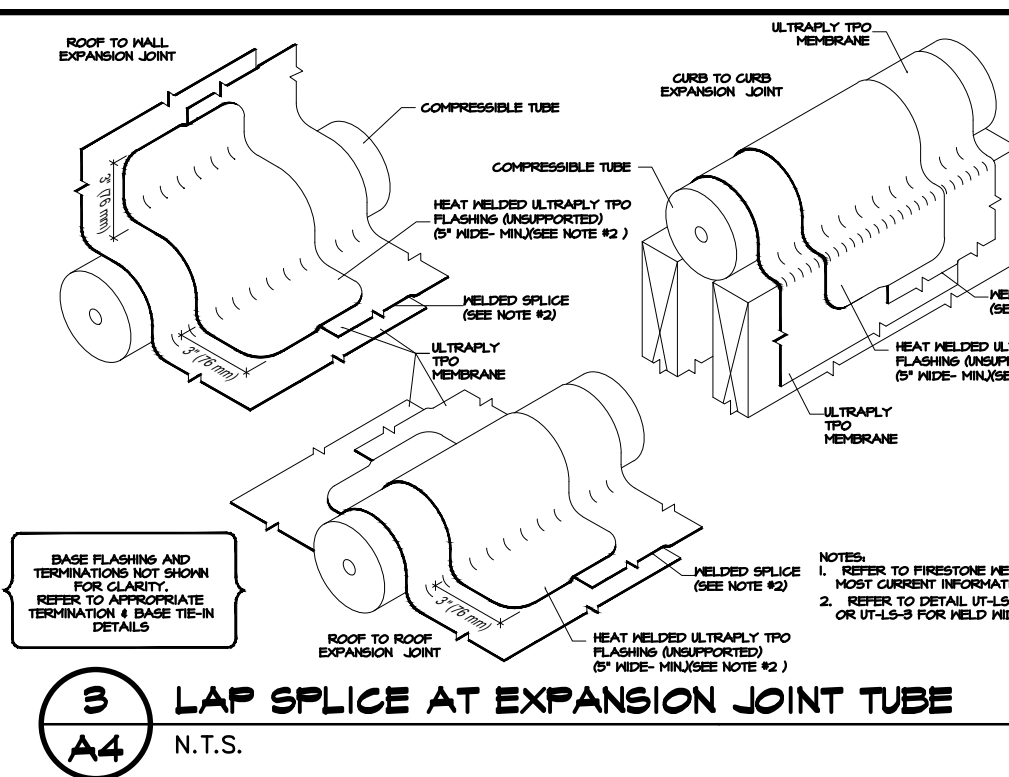
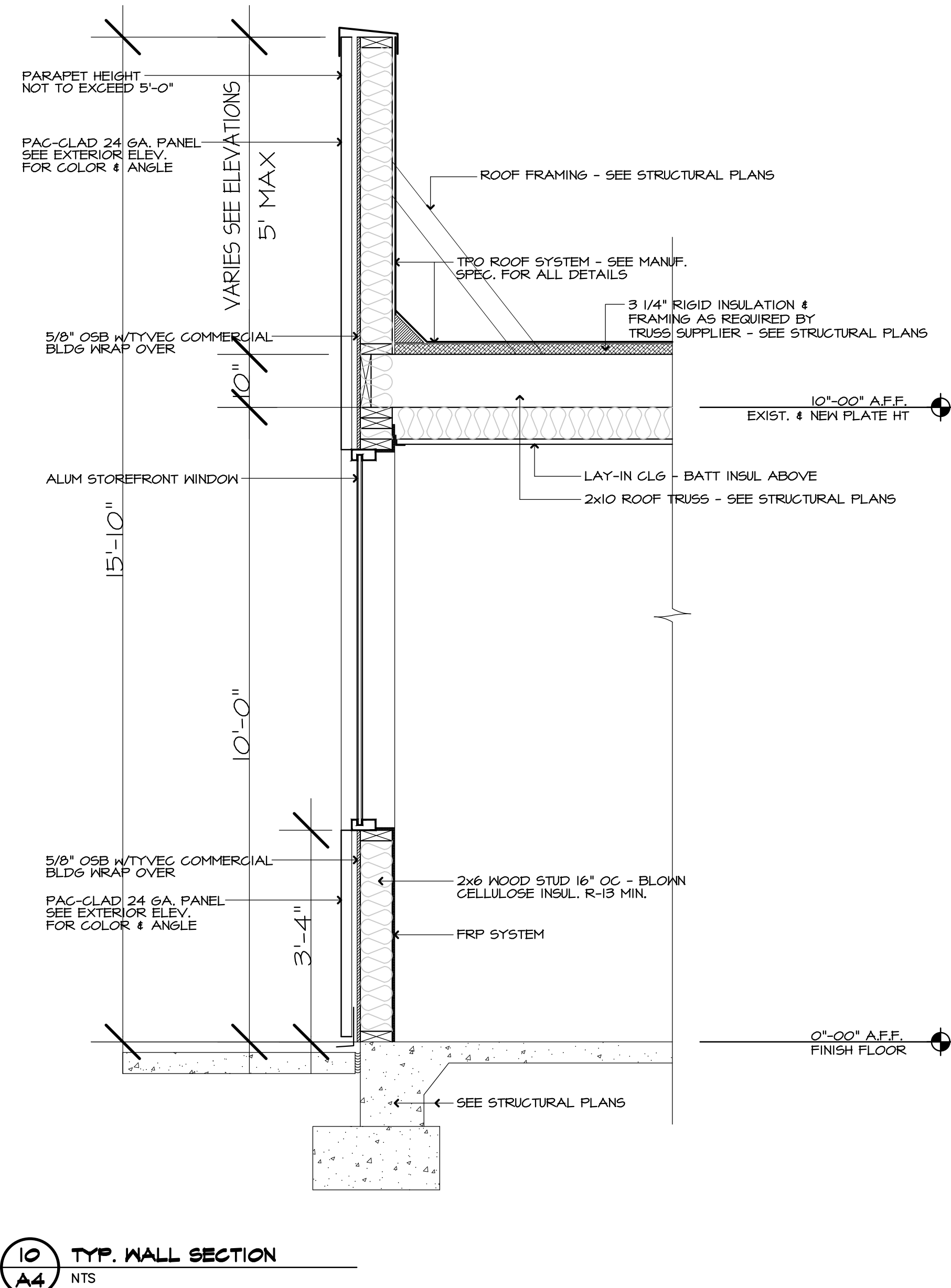
FLOOR PLAN
NOTES, OPENING SCHEDULE, & DETAILS

ADDITION AND RENOVATION TO:
OSCEOLA STATION
OSCEOLA, AR 72370
DATE: 12/01/2022
FILE:

MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com



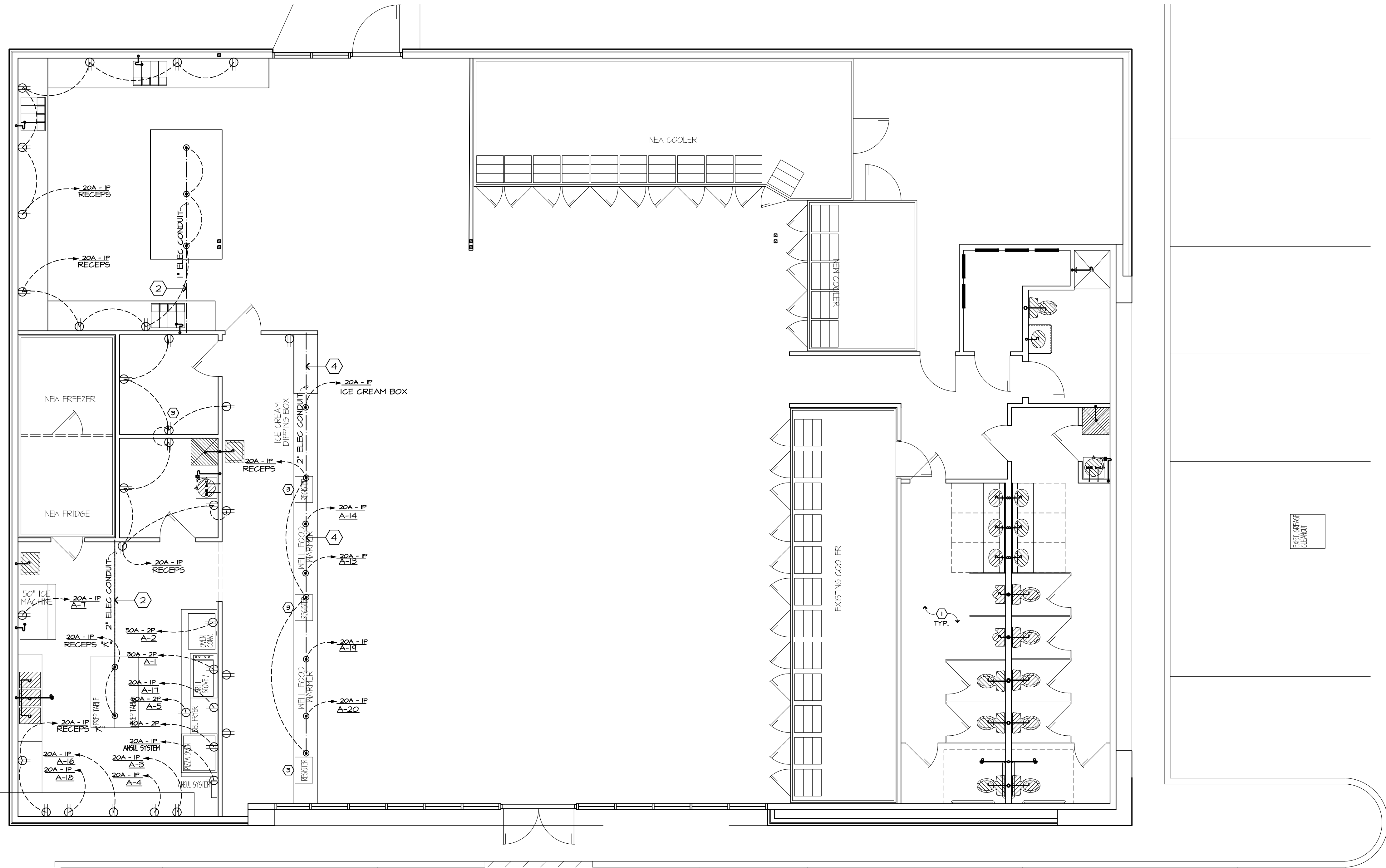




ELECTRICAL POWER PLAN
N.T.S.



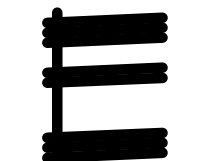
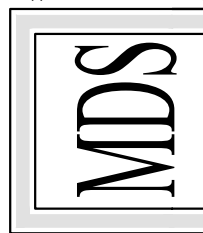
1. Site verify all work to be done prior to construction. Acquire all specification sheets prior to construction.
2. See Sheet E3 for electrical diagrams, general notes and schedules.
3. See Sheet A3 for appliance schedule, note that all appliance specifications are to be reviewed prior to construction for equipment requirements.
4. See Sheet A1 for Construction Phases.



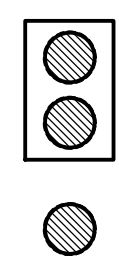
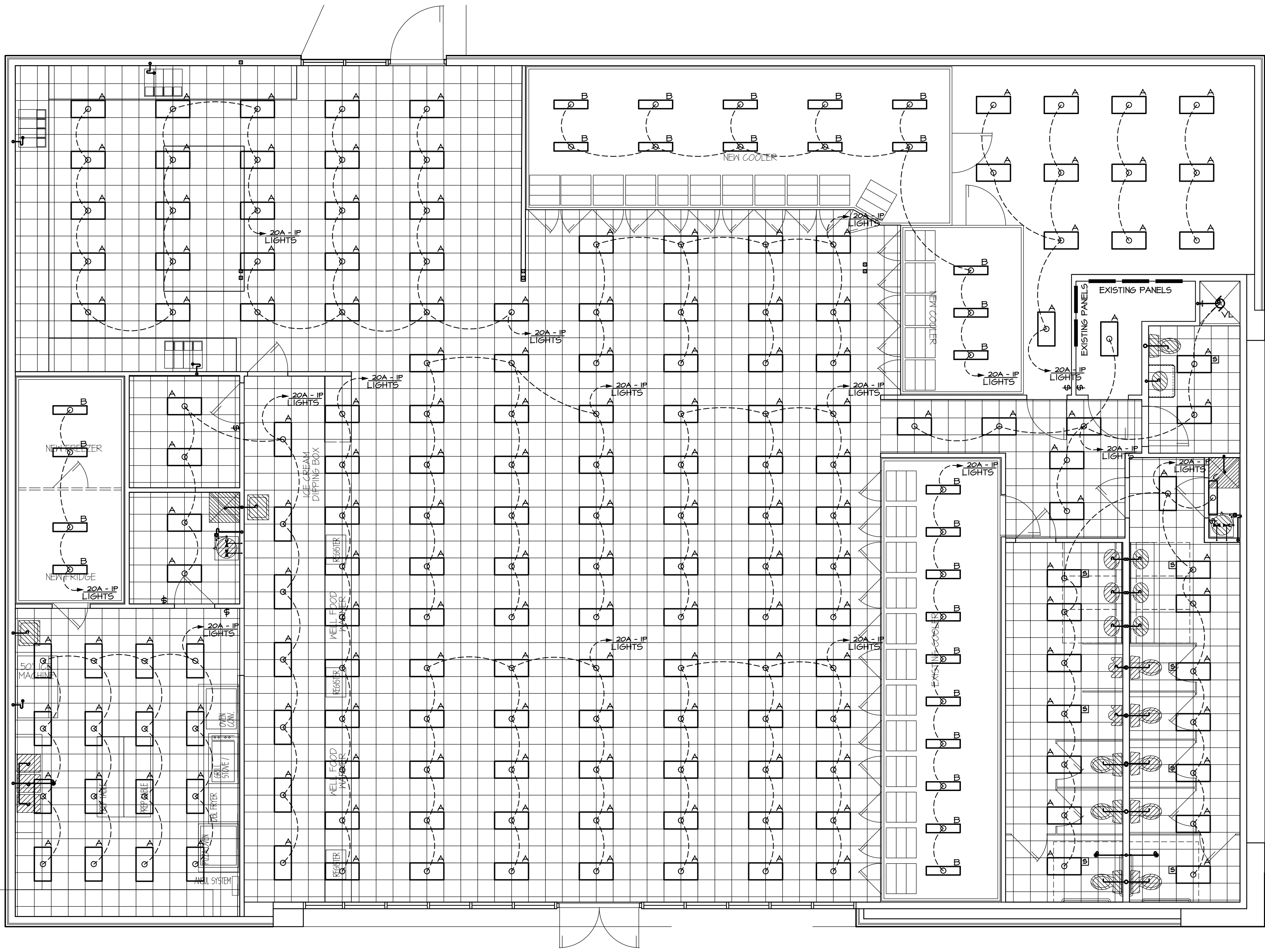
ELECTRICAL POWER PLAN

ADDITION AND RENOVATION TO:
OSCEOLA STATION
150 E. HWY 40 - 460 N. KEISER
OSCEOLA, AR 72370
CON. NO. 46932
DATE: 12/01/2022
FILE:

MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com

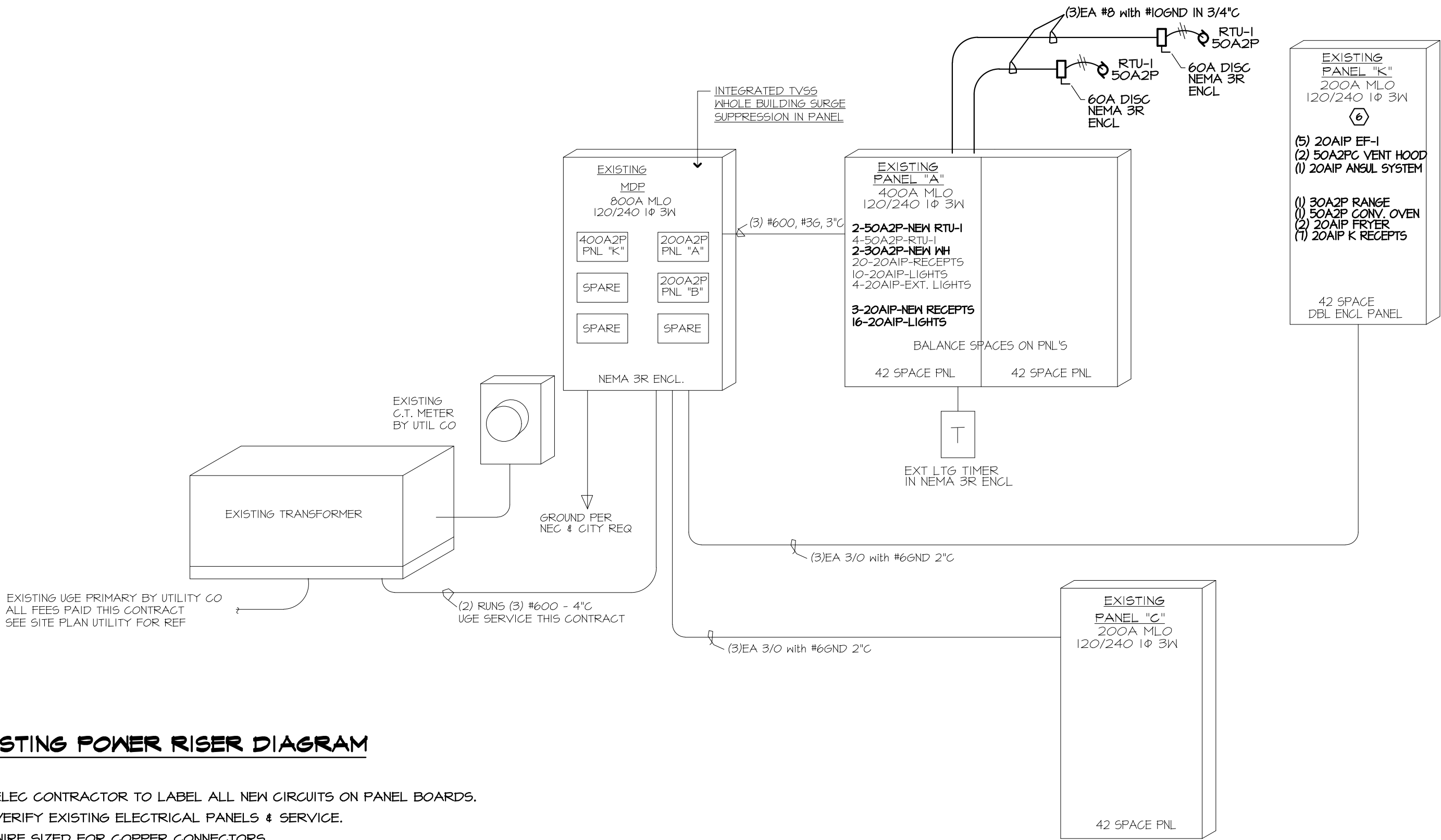


STATE OF
ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 12041
TODD SINGLETON
Feb 6, 2023



ELECTRICAL LIGHTING PLAN
N.T.S.

1. Site verify all work to be done prior to construction. Acquire all specification sheets prior to construction.
2. See Sheet E3 for electrical diagrams, general notes and schedules.
3. See Sheet A3 for appliance schedule, note that all appliance specifications are to be reviewed prior to construction for equipment requirements.
4. See Sheet A1 for Construction Phases.



EXISTING POWER RISER DIAGRAM

NTS

1. ELEC CONTRACTOR TO LABEL ALL NEW CIRCUITS ON PANEL BOARDS.
2. VERIFY EXISTING ELECTRICAL PANELS & SERVICE.
3. WIRE SIZED FOR COPPER CONNECTORS.
4. ELEC CONTRACTOR TO VERIFY ALL KITCHEN AND MECHANICAL EQUIPMENT REQUIREMENTS PRIOR TO CONSTRUCTION.

GENERAL NOTES ELECTRICAL POWER & LIGHTING PLANS	
MARK	DESCRIPTION
1	ALL ELECTRICAL THIS LOCATION TO BE TERMINATED BACK AT EXISTING PANEL
2	CONDUIT IN SLAB THIS LOCATION FOR POWER TO ISLAND
3	CABLE/PHONE/IT OUTLET LOCATIONS & RUNS FROM JUNCTION BOX @ BLDG TO DROPS BY ELECTRICIAN
4	CONDUIT UNDER CABINETS THIS LOCATION TO SUPPLY EQUIPMENT AND REGISTERS - SEE EQUIPMENT SPECIFICATIONS
5	SEE SITE PLAN UTILITY FOR ALL UTILITY REFERENCES
6	ROUGH-IN ELECTRIC PER KITCHEN EQUIP MFG SPECIFICATIONS - COORDINATE W/APPLIANCE SUPPLIER
7	EXISTING EXTERIOR SITE LIGHTING TO REMAIN - SEE SITE PLANS FOR REFERENCE

ELECTRICAL SYMBOL LEGEND			
⊖	DUPLEX RECEPTACLE	■	PANEL BOARD
⊖ _{R.P.}	DUPLEX RECEPTACLE - WATER PROOF	□	DISCONNECT SWITCH
⊖ _{G.F.}	DUPLEX RECEPTACLE - GROUND FAULT	□	JUNCTION BOX
⊖	220 V. RECEPTACLE	○	MOTOR
⊖	FLOOR MOUNTED RECEPTACLE	⊞	MOTOR STARTER
⊖	SINGLE POLE SWITCH	⊞	TIMER
⊖ ³	3 WAY SWITCH	⊞	FLOOR BOX
⊖ ⁴	4 WAY SWITCH	○	FLUORESCENT LIGHT
⊞	MOTION SENSOR w/ TIMER SWITCH	—	FLUORESCENT LIGHT - STRIP
⊞	VIDEO OUTLET	—	TRACK LIGHT
⊞	VIDEO AMPLIFIER & CONTROL CENTER	⊞	INCANDESCENT LIGHT - CLG. SURFACE
⊞	MICROPHONE OUTLET	⊞	INCANDESCENT LIGHT - WALL
⊞	COMPUTER OUTLET	⊞	INCANDESCENT LIGHT - VENT
⊞	T.V. OUTLET	⊞	EMERGENCY LIGHT
⊞	TELEPHONE JACK	⊞	EXIT LIGHT
⊞	TELEPHONE JACK - FLOOR MOUNTED	⊞	
⊞	BELL / CHIME	⊞	
⊞	CHIME PUSH BUTTON	⊞	
⊞	THERMOSTAT	⊞	
⊞	EXHAUST	⊞	

ELECTRICAL FIXTURE SCHEDULE				
MARK	DESCRIPTION	LAMP	MOUNTING	REMARKS
'A'	ELITE 24-FPLI-LED-500L-DIMIO-MVOLT-3L-05	(3) 13W, MED BASE CFU	2x4 FLAT LAYIN	(1)
'B'	FREEZER LIGHTING / BY MANUF.		1x4 FLUSH MOUNT	(1)
'C'	ELITE STRIP LED LIGHT	(1) 13W	WALL MOUNT	(1)
'VL'	BROAN 67B	(1) 100W A	RECESSED	50 CFM

REMARKS ELECTRICAL FIXTURE SCHEDULE	
(1) IF SWITCH IS NOT SHOWN LIGHTS TO BE ON SENSOR/TIMER VERIFY W/ OWNER	

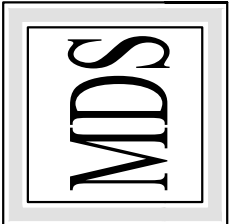


ELECTRICAL
NOTES, SCHEDULE, & DETAILS

ADDITION AND RENOVATION TO:
OSCEOLA STATION
-SB & HWY 142 - 4400 N. KEISER
OSCEOLA, AR 72370

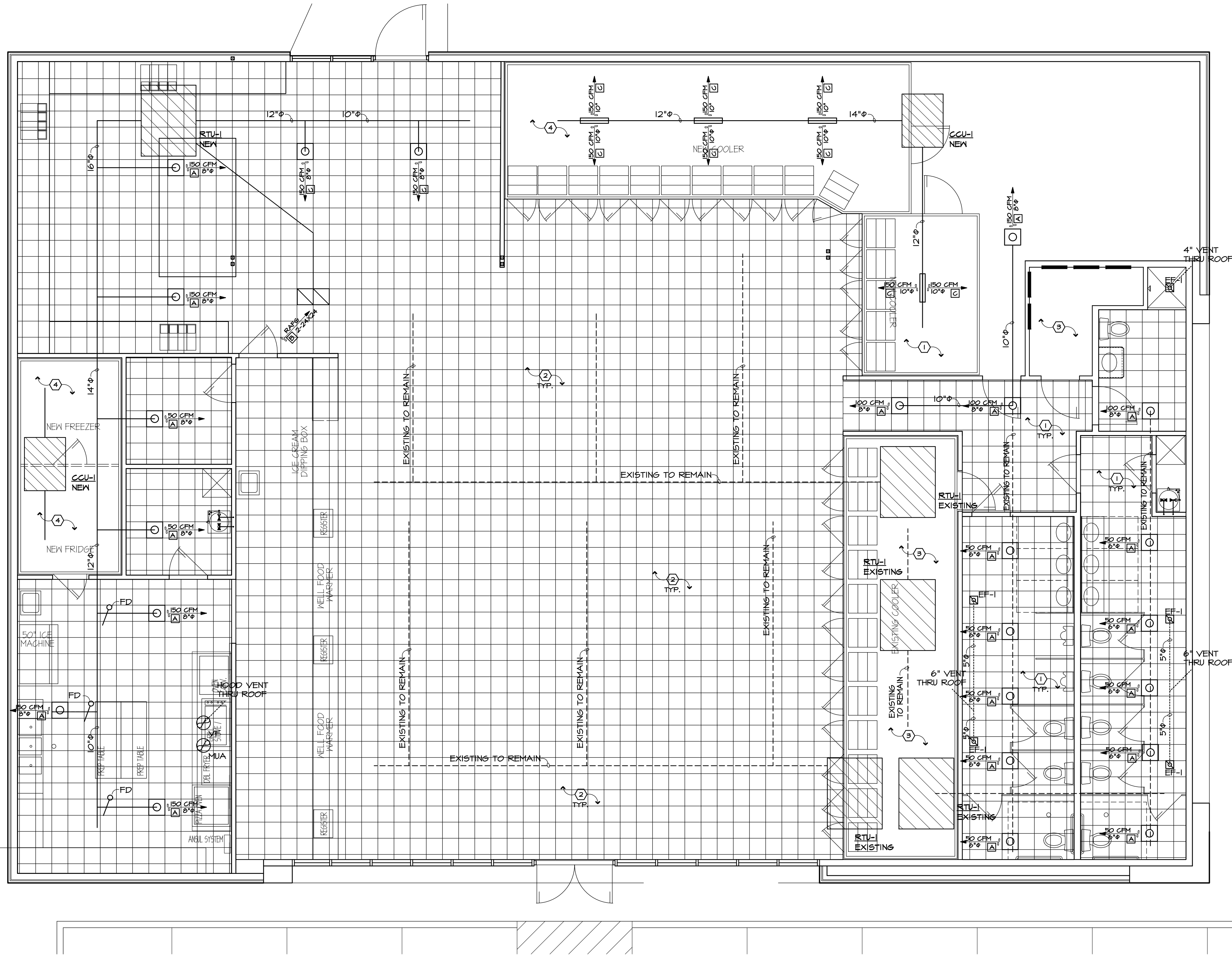
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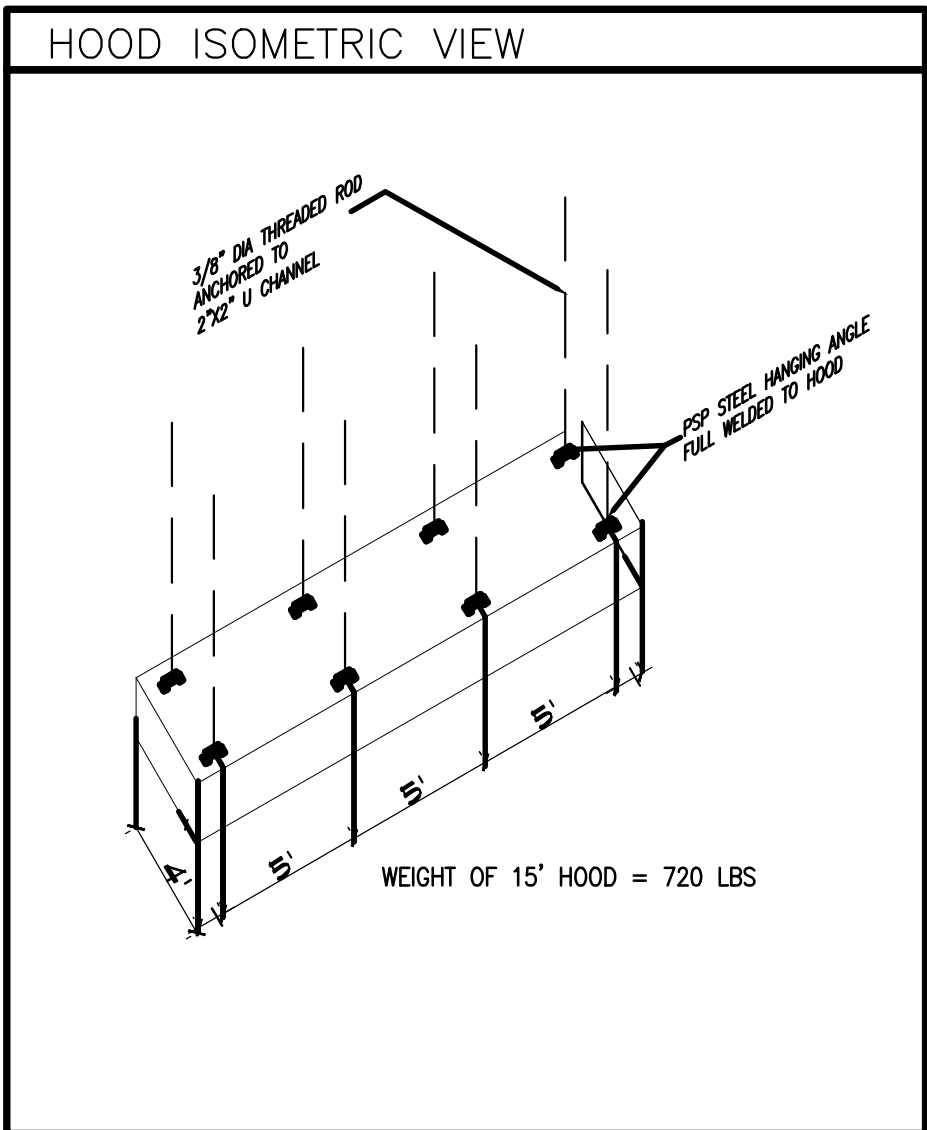
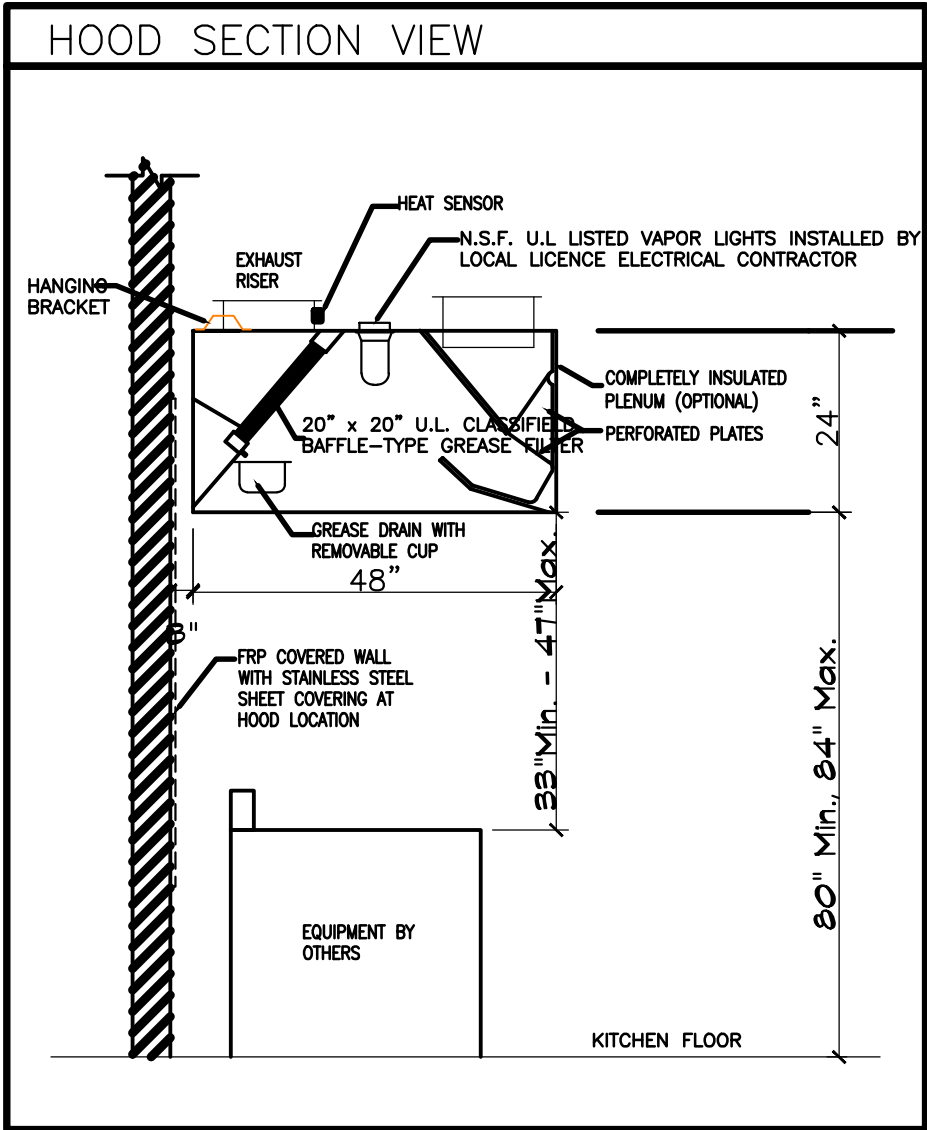
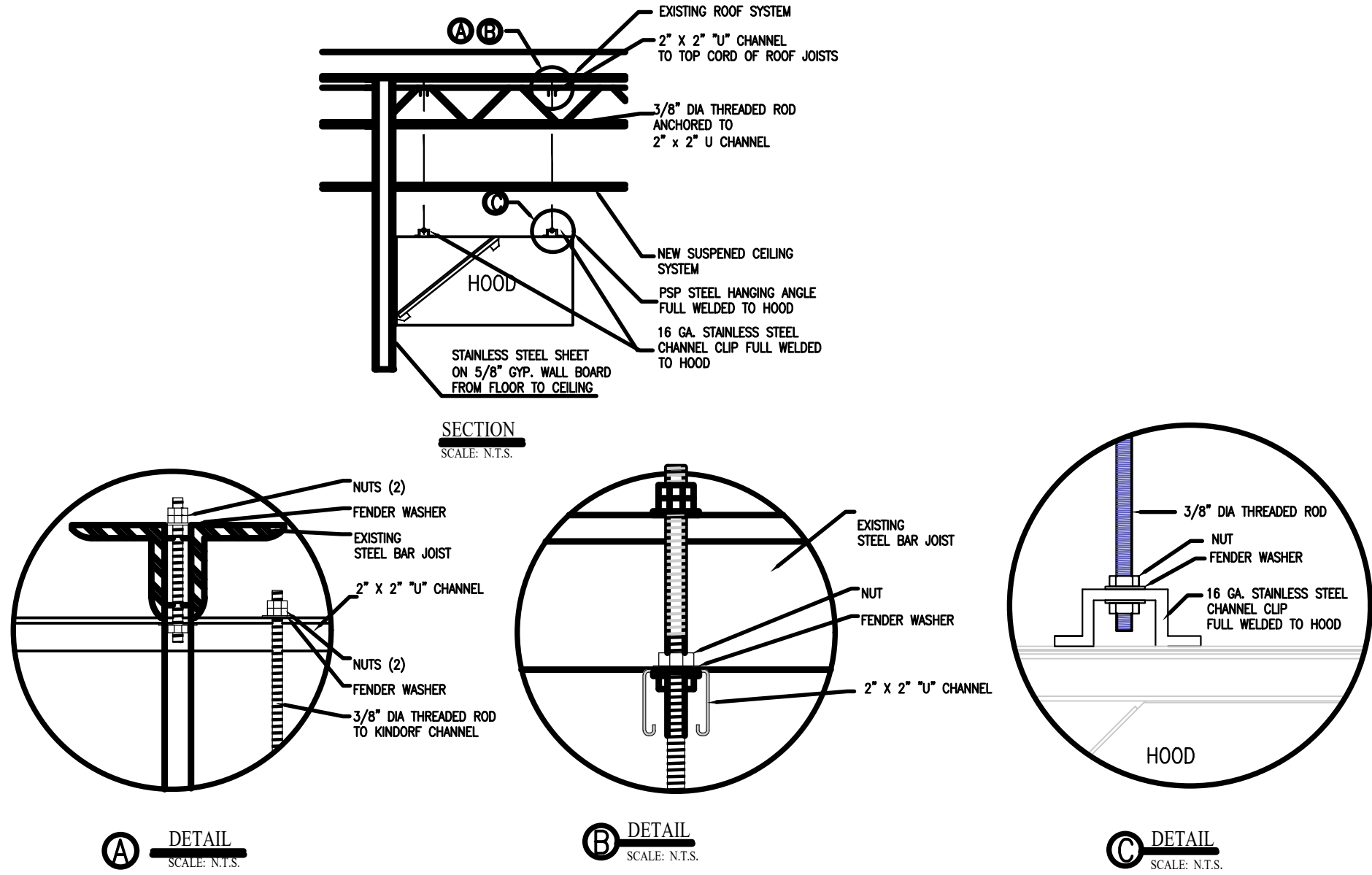
MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com



HVAC PLAN
N.T.S.

1. Site verify all work to be done prior to construction. Acquire all specification sheets prior to construction.
2. See Sheet M2 for vent hood diagrams, general notes and schedules.
3. See Sheet A1 for Construction Phases.

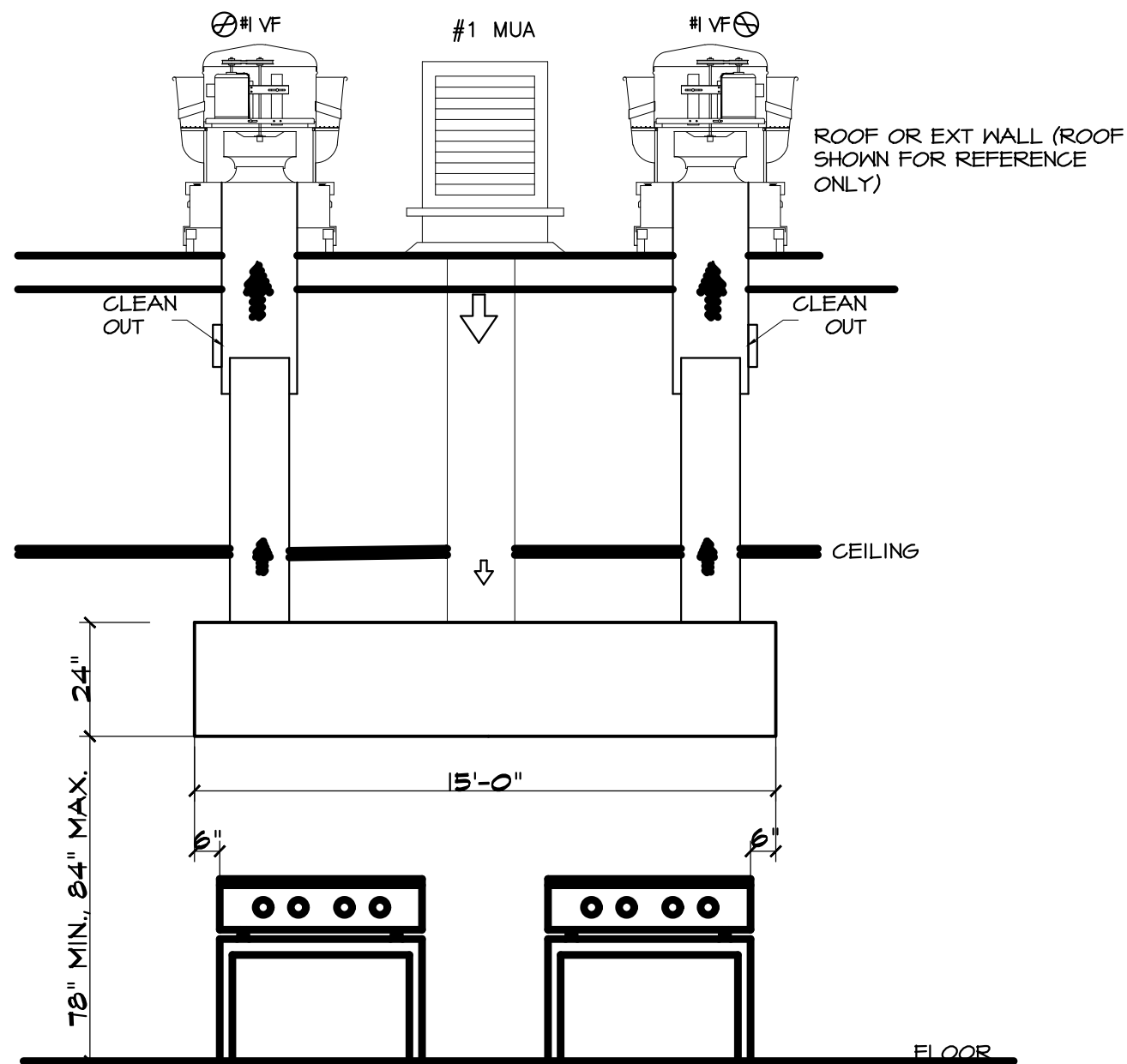
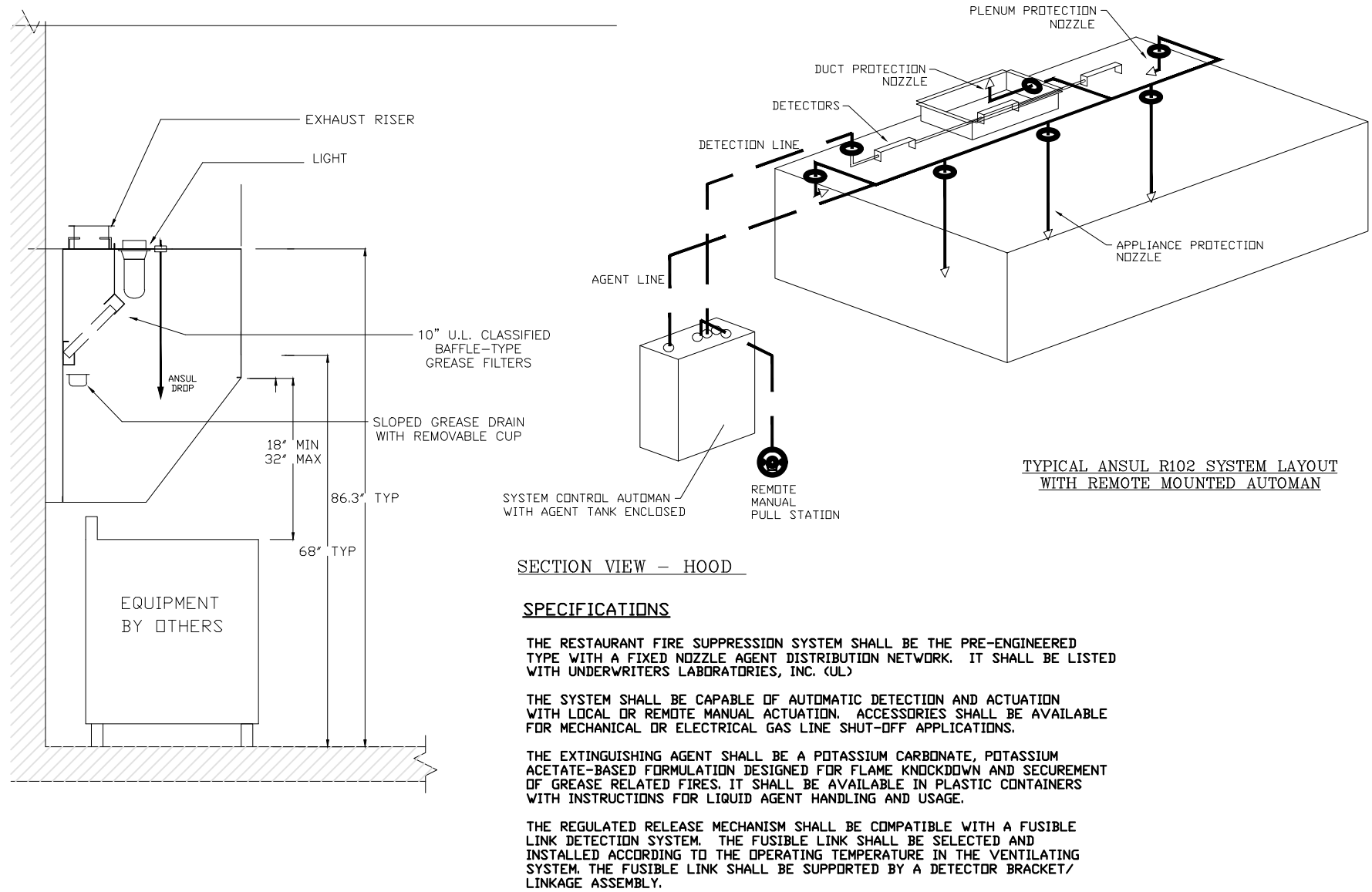




EXHAUST FAN SCHEDULE									
	MAKE & MODEL NO.	VOLUME (CFM)	SP (IN WC)	FAN RPM	WEIGHT (LB)	MOTOR SPEEDS	REMARKS		
#1 EF	K-TECH B018K	1875	0.25	1179	----	1 1/2	120/60/1	1,2,3&4	
#2 EF	K-TECH B018K	1875	0.25	1179	----	1 1/2	120/60/1	1,2,3&4	
1. UL 821 BAFFLE TYPE GREASE FILTER									
2. GALVANIZED VENTED PREMANUFACTURED ROOF CURB									
3. GREASE TRAP WITH DRAIN CONNECT									
4. HINGING KIT -FIELD INSTALLED									
MAKE-UP AIR FAN SCHEDULE									
	MAKE & MODEL NO.	VOLUME (CFM)	SP (IN WC)	FAN RPM	WEIGHT (LB)	MOTOR SPEEDS	REMARKS		
#1 MUA	K TECH	3000	0.25	618		2	120/60/1	1&2	
1. CONTROL CENTER-COMBINED SWITCHING									
2. UL LISTED FIRE DAMPER									

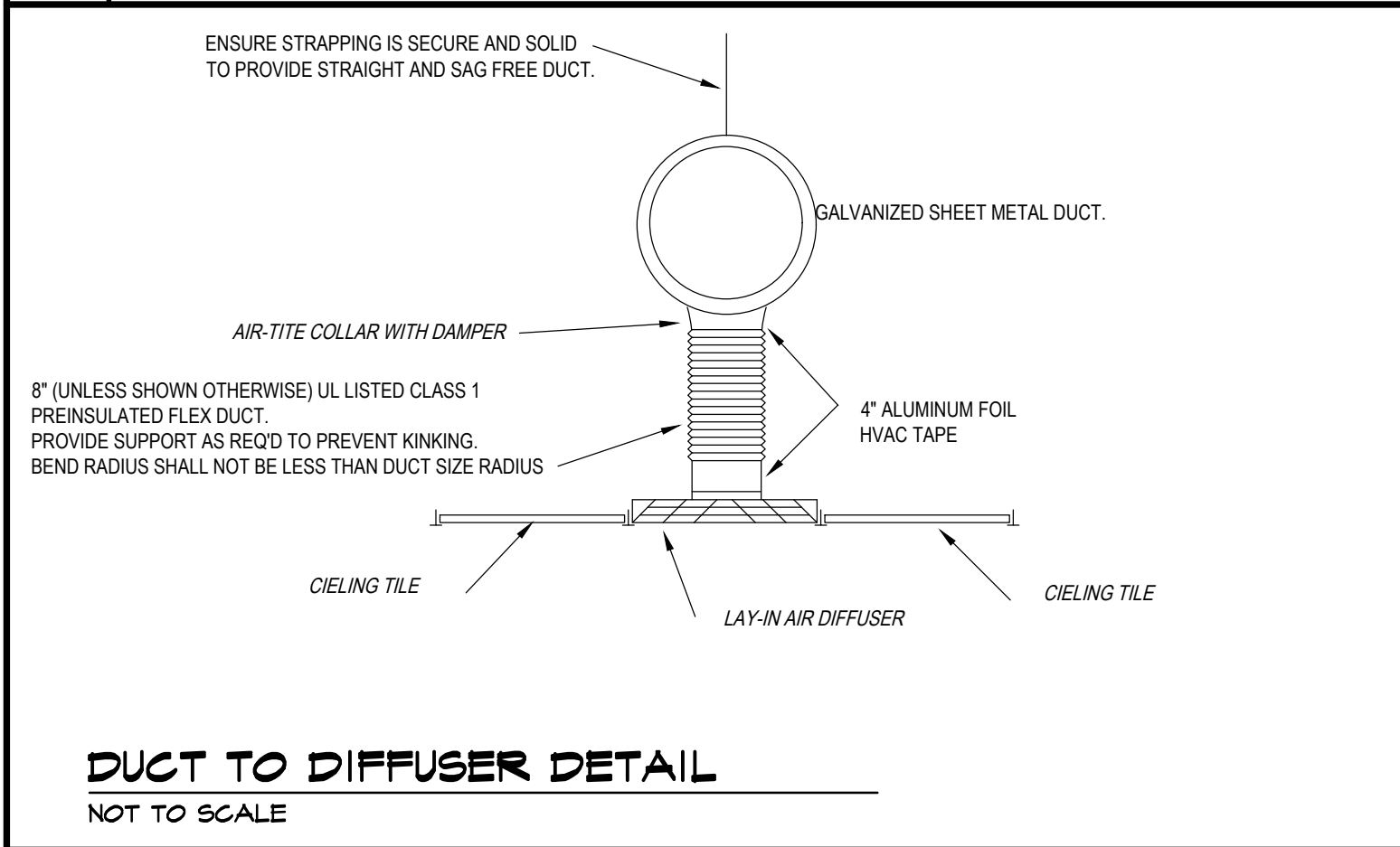
HOOD INFORMATION - PROVIDED BY KITCHEN EQUIPMENT SUPPLIER

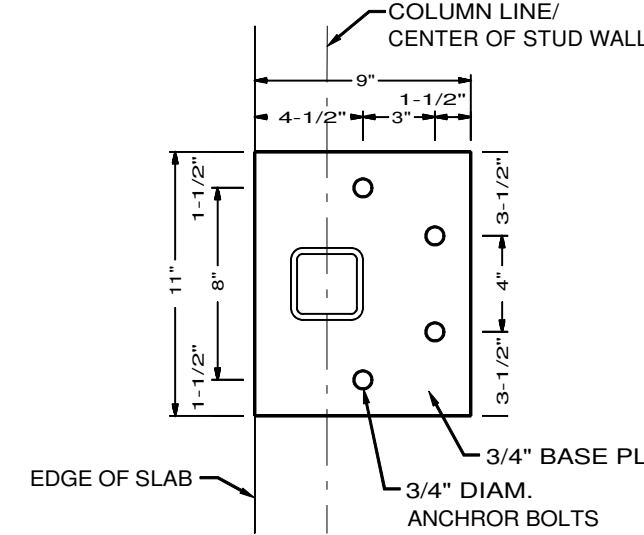
HOOD NO.	LENGTH	EXHAUST PLENUM (RISER/SS)			HOOD CONSTRUCTION	HOOD CONFIG.	FIRE SYSTEM PIPING
		TOTAL CUM. CFM	DIA.	S.P.			
1	180"	3750	16"	1875 @ 0.250"	430 SS Where Exposed	WALL MOUNT	YES



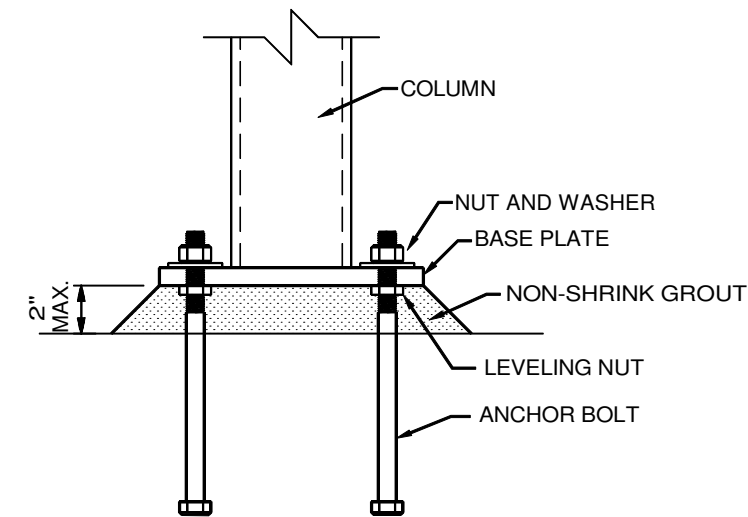
REMARKS:									
A. REMOVABLE GREASE CATCHER - B. UL LISTED VAPOR LIGHT WITH WIRE SAFETY GUARD C. BAFFLE FILTER SET 45 DEGREE, UL LISTED, FILTER SIZE: 25" X 20" X 2" D. ---- E. DUCTS CONSTRUCTED OF NO. 16 MSG STEEL WITH ALL SEAMS, JOINTS, AND PENETRATIONS WELDED AS LIQUID-TIGHT AS PER NFPA CODE 96 F. HOOD CONSTRUCTED OF NO. 18 MSG STAINLESS STEEL, TYPE 304 WITH FRESH AIR RETURN, ALL CONNECTION AND SEAMS WERE WELDED AS LIQUID-TIGHT TO MEET NFPA CODE 96 STANDARD NSF LISTED NO. 1499. H. FIRE SUPPRESSION NOZZLE I. ROOF CURB.									
CALCULATIONS:									
PER 2010 IMC, 507.13.4 WALL MOUNT CANOPY: 250 CFM PER LINEAR FOOT KITCHEN HOOD: 15'0" x 250 = 3750 CFM EXHAUST DUCT SIZE: 16" EXHAUST DUCT AIR VELOCITY: 1900 FPM MAKE-UP AIR: 80% x 3750 = 3000 CFM MAKE-UP AIR DUCT SIZE: 22" #									
NOTE: EXHAUST DUCT SHALL BE 18" AWAY FROM ANY COMBUSTIBLE MATERIAL SYSTEM INTERCONNECTION (IMC 507.2.1.1) EXHAUST HOODS SHALL BE AUTOMATICALLY OPERATE DURING COOKING OPERATIONS IN COMMERCIAL KITCHEN BY MEANS OF AN ELECTRICAL INTERLOCK OR HEAT SENSORS OR OTHER APPROVED MEANS. SYSTEM ELECTRICALLY INTERLOCKED THE EXHAUST AND MAKE-UP AIR SYSTEM SHALL BE ELECTRICALLY INTERLOCKED TO INSURE THAT MAKE-UP AIR IS PROVIDED WHENEVER THE EXHAUST SYSTEM IS IN OPERATION									

H.V.A.C. EQUIPMENT SCHEDULE							
MARK	DESCRIPTION	REF PRODUCT	UNIT REFERENCE				REMARKS
			CFM	SIZE	AMP/BKR	MAKE-UP AIR	
RTU-1	ROOF TOP UNIT	RHEEM RJFL-0060CLO15	2000	5 TON / 15KN HEAT	10.0/80	190	ROOFTOP CURB MOUNT
EF-1	EXHAUST FAN	FANTECH PB-270-2	270	(2) 1" ROUND GRILLES	1/20		VENT THRU ROOF
CCU-1	COOLER COND. UNIT	VERIFY W/ SUPPLIER					ROOFTOP CURB MOUNT
☒	SUPPLY REG	HART & COOLEY	SEE DRAWING				WHITE FINISH
☒	RET AIR FILTER GRILLE	HART & COOLEY 613	SEE DRAWING				WHITE FINISH
☒	COOLER SUPPLY REG	SEE COOLER SPECIFICATIONS	SEE DRAWING				
①	THERMOSTAT	WHITE ROGERS IF04EZ-0251	HEATING/COOLING 2 STAGE HEAT \ 1 STAGE COOL 3 TEMP PRE SETS				44" MTG HT
⊗	VENT FAN	VERIFY W/ HOOD SUPPLIER					VENT THRU ROOF
GENERAL NOTES HVAC PLAN							
MARK	DESCRIPTION						
1	EXISTING MAIN TRUCK LINE TO REMAIN - NEW DIFFUSERS FOR BATHROOM - THIS LOCATION TYP.						
2	EXISTING MAIN TRUCK LINE TO REMAIN - RECONFIGURE DIFFUSERS PER NEW GRID - 2,400 CFM OUTPUT THIS AREA						
3	NO WORK THIS AREA - HVAC TO REMAIN THE SAME						
4	NEW COOLER - SEE SPECIFICATIONS FOR UNIT REQUIREMENTS						

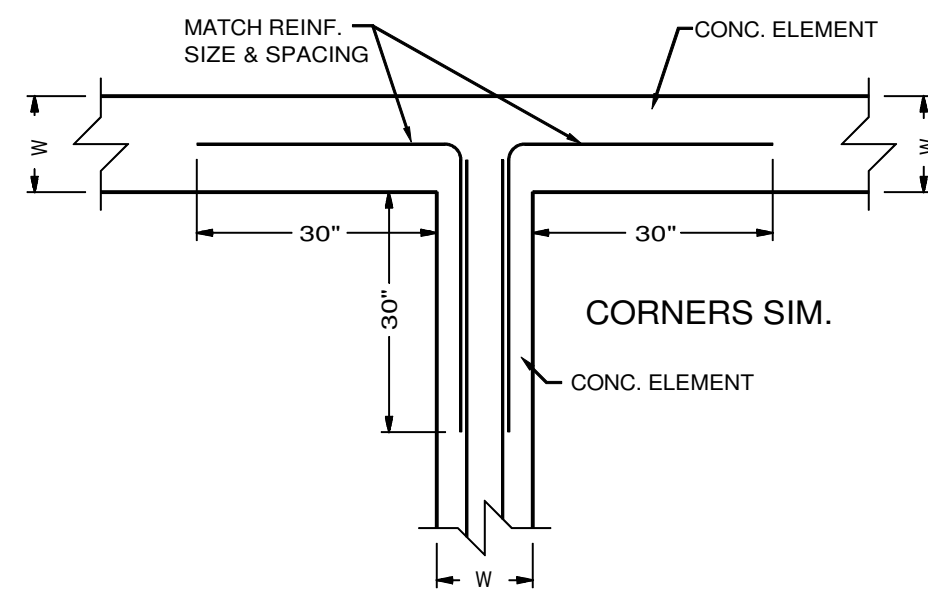




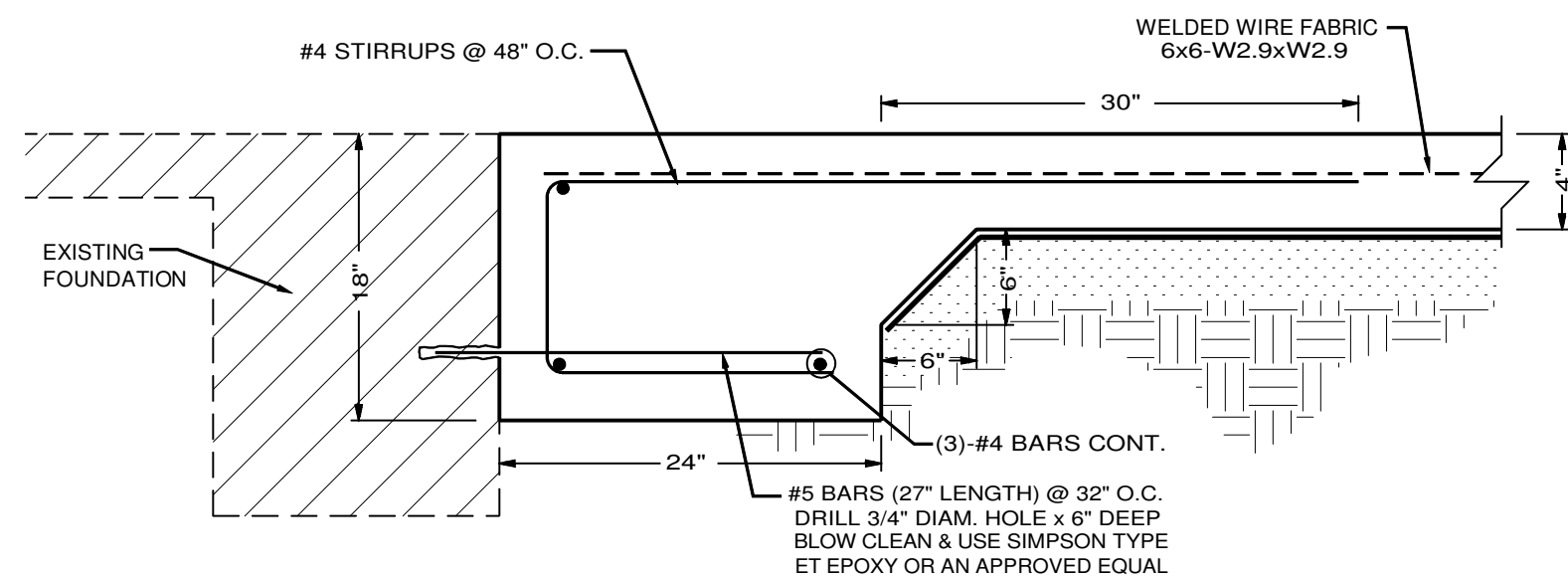
1 HSS BASE PLATE
SCALE 1-1/2"=1'



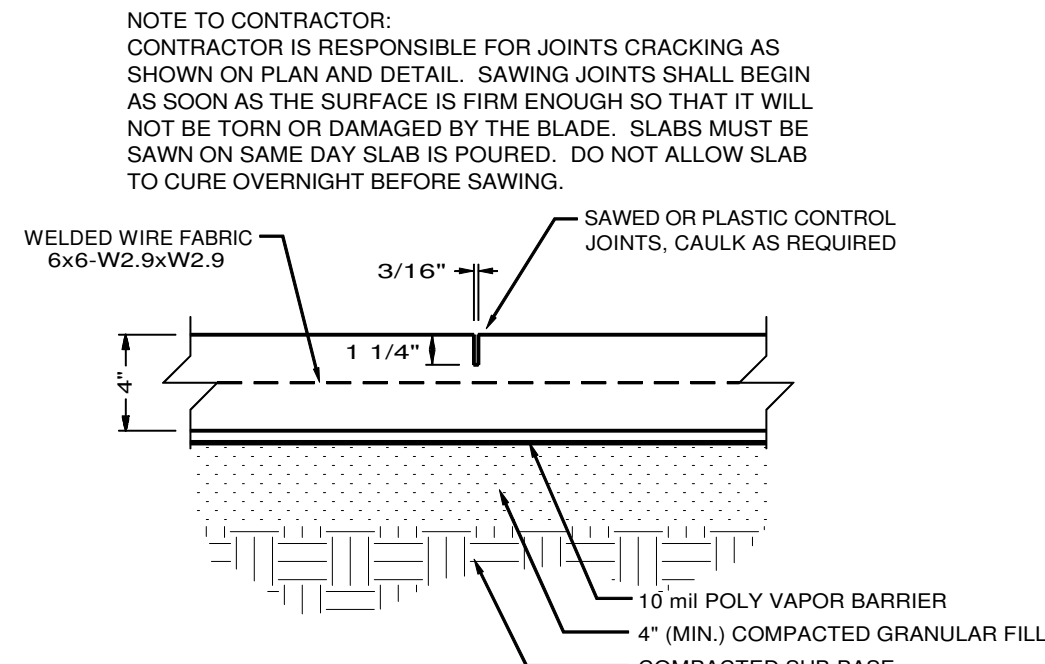
**3 ANCHOR BOLT
PLACEMENT DETAIL**
SCALE 1-1/2"=1'



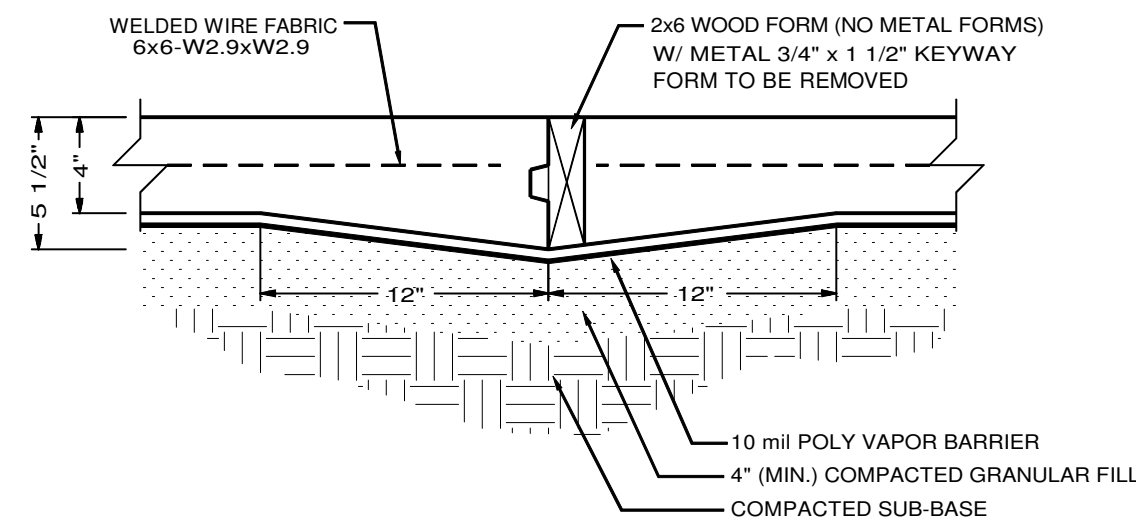
**5 PLAN
REINFORCEMENT INTERSECTION**
SCALE 1/2"=1'



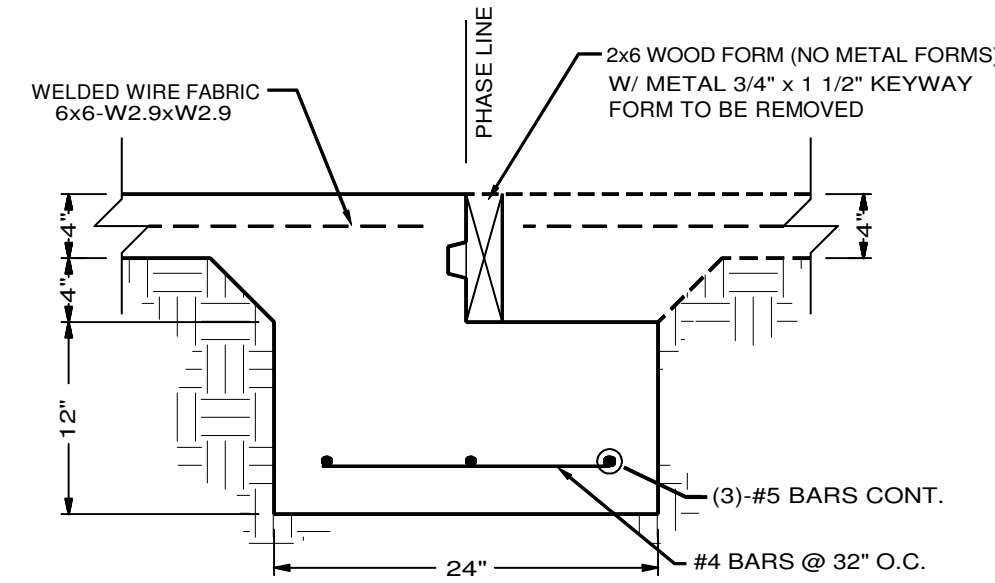
**8 GRADE BEAM & CONNECTION
TO EXISTING (GB24)**
SCALE 1"=1'



2 SLAB CONTROL JOINT DETAIL

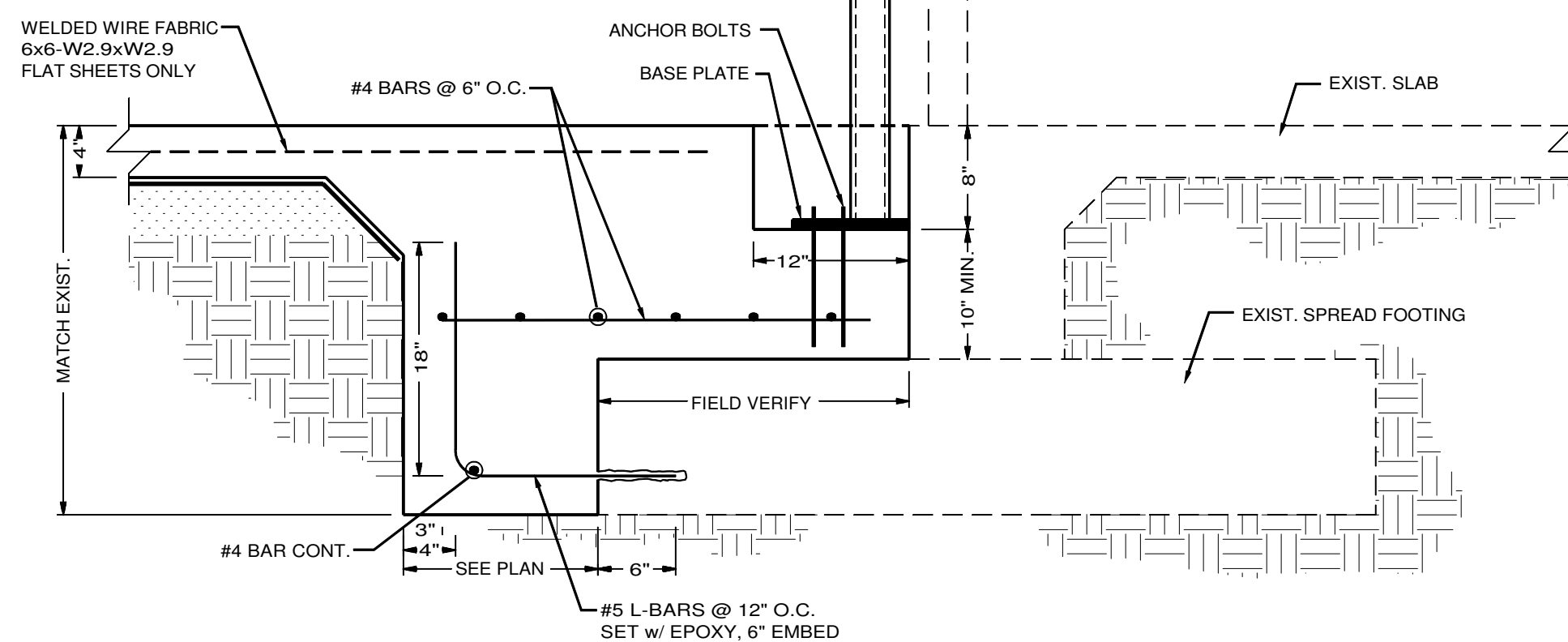


4 SLAB CONSTRUCTION JOINT DETAIL

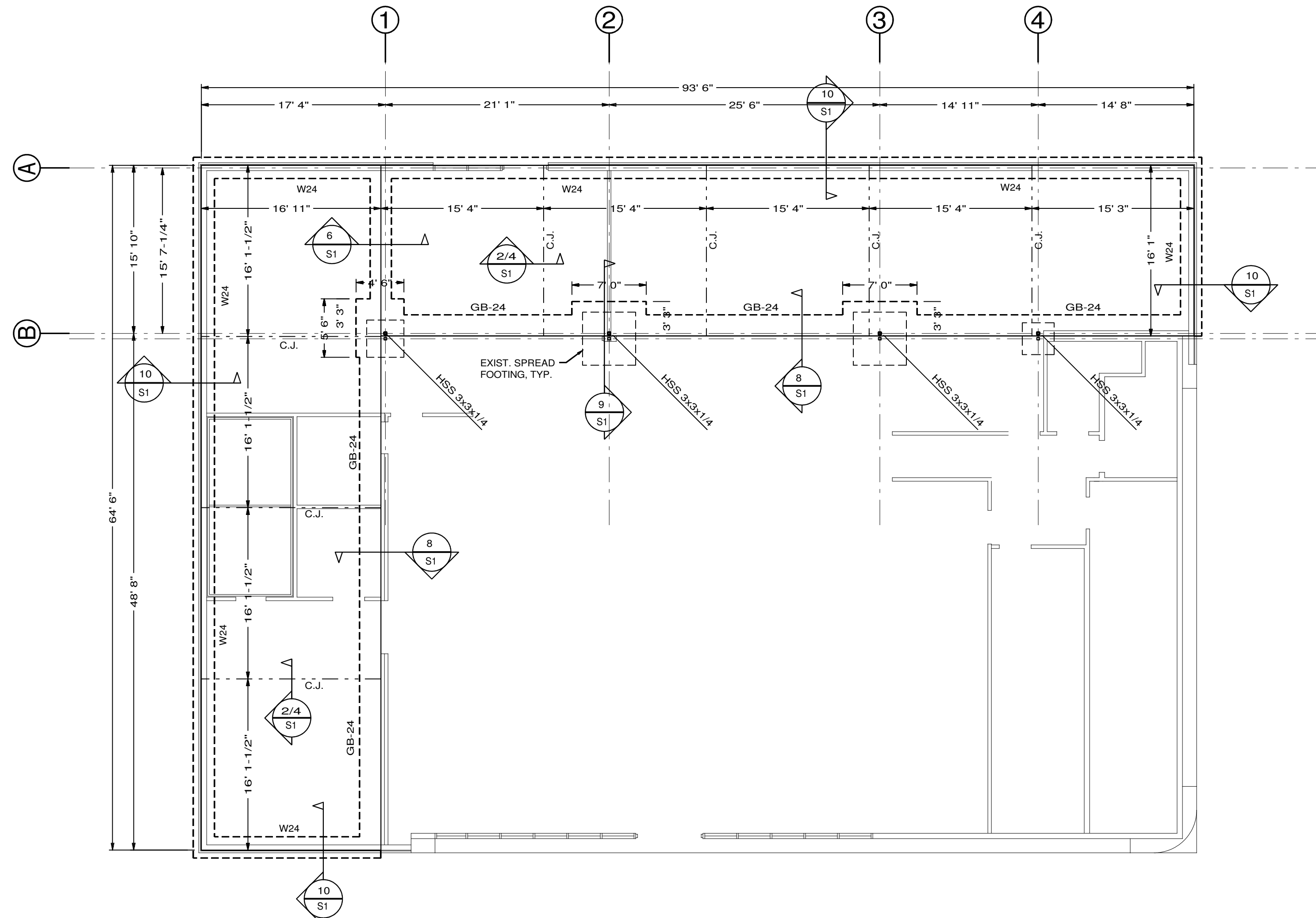


6 INTERIOR FOOTING (W24)
SCALE 1"=1'

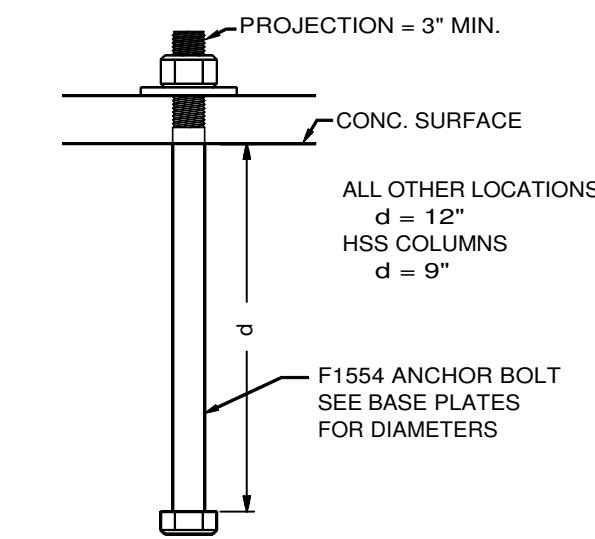
CONTRACTOR TO FIELD VERIFY SIZE, CONFIGURATION AND DIMENSIONS OF EXIST. SPREAD FOOTINGS. ANY DIFFERENCES FROM DETAIL SHOWN SHALL BE PRESENTED TO THE ENGINEER FOR ADJUSTMENTS TO ACHIEVE DESIGN INTENT.



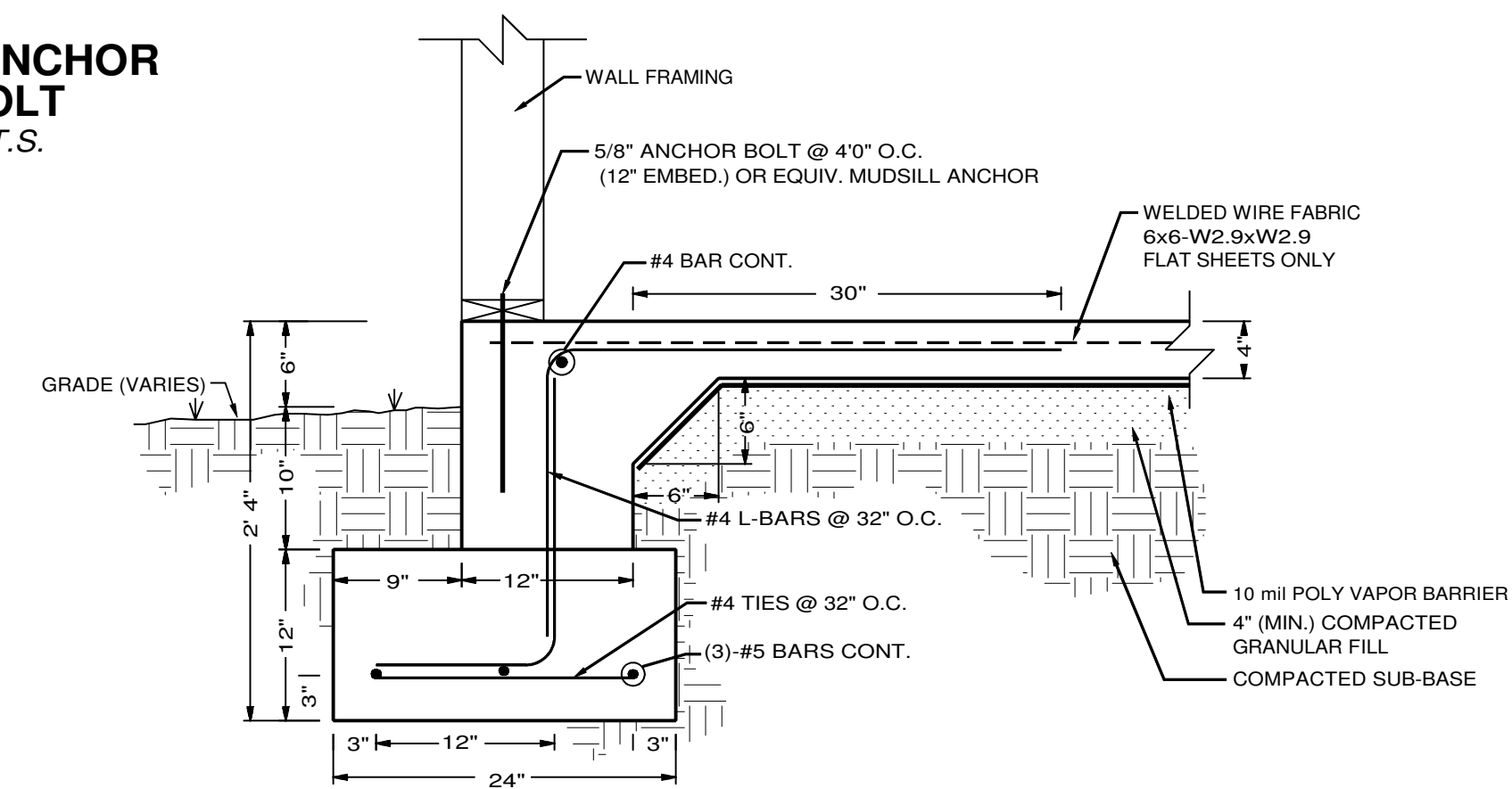
9 SPREAD FOOTING AT EXISTING
SCALE 1"=1'



FOUNDATION PLAN
SCALE 1/8"=1'



**7 TYP. ANCHOR
BOLT**
N.T.S.



10 EXTERIOR STRIP FOOTING SECTION
SCALE 1"=1'

WOOD NOTES:

GENERAL:

- All framing lumber shall be No.2 Southern Pine unless noted otherwise.
- All plywood shall be structural APA rated panels, Exposure I, conforming to Product Standard PS-1.
- Standard cut washers shall be used under head and nuts against wood.
- The anchors for plates shall be placed 8" from the end of a plate and at intervals noted on the plans.
- Do not notch bottoms of wood members. Obtain architect/engineer approval for any holes in all wood members other than those required for structural assembly. Holes through sills, plates, studs, and double plates in interior bearing and shear walls shall not exceed 1/3 of the plate width and shall be bored holes placed in the center of the stud or plate. Notching is not permitted.
- Nailed connections shall conform to Table 2304.9.1 of the International Building Code.
- End distance, edge distance and spacing of nails shall be such to avoid splitting of the wood.
- Nailing not noted shall be at least two nails at all contact points.
- When headers are not shown, Table 2308.9.5 through 2308.9.6 of the International Building Code shall apply.

BEAMS:

- Beams shall be comprised of solid sawn Southern Pine lumber unless noted otherwise. The size and grade of each beam shall be as shown on the plan.
- Individual members comprising beams shall be adequately bonded together to act as a single unit.
- All beams shall be supported by (3) - 2x6 No.2 SPF studs unless noted otherwise.
- All beams shall be adequately anchored to prevent lateral and/or in-plane displacement.

STUD WALLS:

- Studs shall be 2x6 No.2 SPF or better unless noted otherwise.
- Stud spacing shall be 16" O.C. unless noted otherwise.
- All studs shall have blocking at the midpoint unless noted otherwise. Blocking shall consist of solid sawn lumber of the same size as the studs being blocked.

PLYWOOD SHEAR WALLS:

- OSB panels shall be placed with long dimensions parallel to wall studs.
- Nailing schedule: (unless otherwise noted)
 - 8d @ 3" O.C. at panel edges and framed openings.
 - 8d @ 6" O.C. at intermediate studs and blocking.
- Shear wall locations shall be as shown on the plan.

PLYWOOD ROOF DECK:

- OSB panels to be placed with long dimensions perpendicular to supports.
- Provide double 2x shaped blocking along main ridge lines, valleys and all hip ridges.
- Nailing schedule:
 - 8d @ 6" O.C. around roof perimeter at eave, gable ends, and at each side of main ridge lines and valleys.
 - 8d @ 6" O.C. at all other panel edges.
 - 8d @ 12" O.C. in panel field @ each rafter.

PARALLAM BEAMS:

- All members shall be manufactured in accordance with US Department of Commerce voluntary standard PS 56-73, AITC standard 117-79, National Service, Inc. (NES) report number NER-292, or CC MC report number 111161-R, and other AITC standards.
- Parallam beams shall be manufactured from strands of wood fiber and shall be coated with exterior type adhesive (phenol,(formaldehyde)) and oriented to the length of the member. Use parallam beams by Trusjoist McMillian or equal.
- Parallam shall have the following properties:
 - Flexural Stress, $f_t = 2,900$ psi
 - Tension Parallel to Grain, $f_t = 2,400$ psi
 - Compressive Strength, $f_c = 2,900$ psi
 - Horizontal Shear, $f_v = 210$ psi
 - Modulus of Elasticity, $E = 2,000,000$ psi
- The parallam wood fabricator shall furnish shop drawings, unless noted otherwise, for review by the architect/engineer before fabrication.

CONCRETE NOTES:

GENERAL:

- All concrete shall have a minimum 28 day compressive strength, (f'_c), of 3,000 psi for footings and 4,000 psi for slabs.
- All concrete work shall conform to the latest ACI specifications.
- Coarse aggregate for concrete shall not contain lignite, steel, or other materials that may be detrimental to the concrete.
- Fly ash in concrete mix shall not be permitted.
- Horizontal construction joints shall be permitted only where shown on the structural drawings. Horizontal or near horizontal joints shall be prepared by roughening the surface in an approved manner so that the aggregate is exposed uniformly, leaving no laitance, loosened particles, or damaged concrete.
- Contractor shall verify dimensions and locations of all openings, pipe sleeves, curbs, etc., as required by other trades before concrete is placed.
- Pipes or conduit placed in foundation and slabs shall not be placed closer than 3 diameters on center. Aluminum conduits shall not be placed in concrete.
- All footings shall bear on firm, undisturbed soil or an approved select fill material compacted to at least 95% of optimum density as determined by the Standard Compaction Test, ASTM D-698.
- The design bearing capacity, $q_u = 1,000$ psf.
- Location of slotted inserts, weld plates and all other items to be embedded in concrete shall be coordinated with architectural and mechanical drawings.

REINFORCEMENT:

- All reinforcing steel shall conform to ASTM-615, Grade 60, $f_y = 60$ ksi.
- Minimum cover on all reinforcing steel shall be 3".
- All reinforcing bars splices shall be lap splices with a minimum overlap of 30".
- All reinforcing steel shall be fabricated and placed per the latest edition of the ACI Building Code (ACI-318).
- All reinforcement shall be securely held in place while placing concrete. If required, additional bars or stirrups shall be provided by the contractor to support all bars.
- Reinforcing bars shall not be welded, unless specifically noted on the drawing, as being welded, welded reinforcement shall conform to ASTM A-706.
- Provide corner bars in all walls and at wall intersections to match size and spacing of horizontal bars in those walls.

WELDED WIRE FABRIC:

- All welded wire fabric shall conform to the latest edition of ASTM-185, Specifications for Welded Wire Fabric for Concrete Reinforcement.
- All laps in welded wire fabric shall be one mesh plus 2 inches at splice.
- Welded wire fabric shall be provided in flat sheets. Roll wire shall not be permitted.

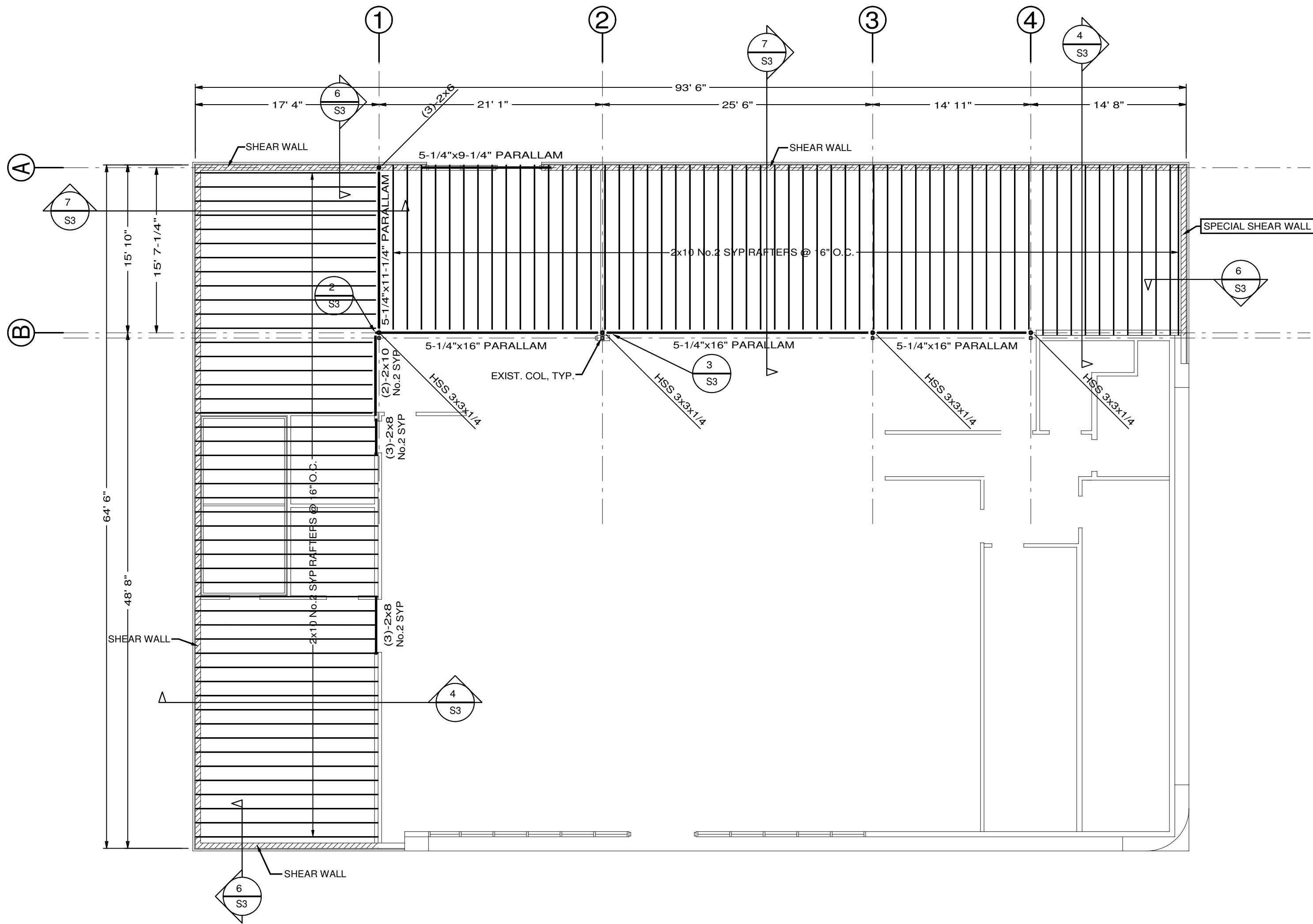
STRUCTURAL STEEL NOTES:

GENERAL:

- All rolled wide flange shapes shall conform to ASTM A-992, $f_y = 50$ ksi.
- All hollow structural shapes (HSS) shall conform to ASTM A-500, Grade B, $f_y = 46$ ksi.
- All plates shall conform to ASTM A-36, $f_y = 36$ ksi.
- All misc. steel shall conform to ASTM A-36, $f_y = 36$ ksi, unless noted otherwise.
- All steel details shall be in accordance with the latest AISC Specifications (including AISC Seismic Provisions when applicable).
- Splicing of structural steel members where not detailed is prohibited without prior approval. If approved, the contractor shall have the connection tested by ultrasound by an independent testing lab.
- No change in size or position of the structural elements shall be made. Holes, slots, cuts, etc., are not permitted through any member unless they are detailed on the approved shop drawings.

WELDS:

- All welding shall be performed by certified welders in accordance with AWS specifications.
- All welding electrodes shall conform to AWS A5.1 Grade E-70.



FRAMING PLAN

SCALE 1/8"=1'

SHEATHING SCHEDULE & LATERAL TIES

SHEATHING
7/16" O.S.B. SHEATHING
EDGE NAILS = 8d @ 3" O.C.
FIELD NAILS = 8d @ 6" O.C.
MIN FASTNER PENETRATION = 1-3/8"

HOLDOWNS
SIMPSON STRONG-TIE HDU5-SDS2.5
OR USP CONNECTORS PHD4A
HOLDOWNS WITH 5/8" DIAM. ANCHOR BOLTS
@ ENDS OF DESIGNATED SHEAR WALLS;
MUST BE INSTALLED WITH MIN. (2) STUDS.

SPECIAL SHEAR WALL:
SIMPSON STRONG-TIE HDU8-SDS2.5
OR USP CONNECTORS PHD5A
HOLDOWNS WITH 7/8" DIAM. ANCHOR BOLTS
@ ENDS OF DESIGNATED SHEAR WALLS;
MUST BE INSTALLED WITH MIN. (2) STUDS.

RAFTER TIES
SIMPSON STRONG-TIE H2.5A
OR USP CONNECTORS RT7A
@ EACH RAFTER

WALL FRAMING SCHEDULE

EXTERIOR
2x6 SPF No.2 @ 16" O.C. (MAX.)
FULLY SHEATHED w/ BLOCKING
@ 1/3 POINTS

ROOF DECKING SCHEDULE

DECKING
5/8" O.S.B. RATED DECKING
EDGE NAILS = 10d (3"x0.148") @ 4" O.C.
FIELD NAILS = 10d (3"x0.148") @ 12" O.C.
PROVIDE BLOCKING @ ALL PANEL EDGES

BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE

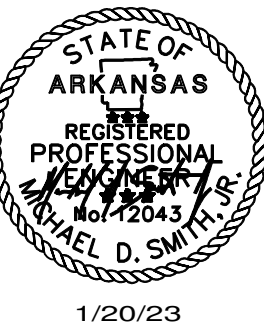
GRAVITY LOADS:
LIVE LOADS:
FLOOR100 psf
ROOF20 psf
DEAD LOADS:
MISC.ACTUAL WEIGHTS OF MATERIALS
ROOF15 psf

LATERAL LOADS:
WIND:
BASIC WIND SPEED115 mph
EXPOSURE CATEGORYC
SEISMIC:
SEISMIC USE GROUPGroup I
SEISMIC IMPORTANCE FACTOR $I_e = 1.0$
SPECTRAL RESPONSE COEFFICIENTS $S_{DS} = 1.613$
..... $S_{D1} = 0.895$
.....D (ASSUMED)
SITE CLASSE
SEISMIC DESIGN CATEGORYE
BASIC SEISMIC FORCE RESISTING SYSTEMPLYWOOD SHEAR WALLS W/ LOAD BEARING WOOD STUDS
DESIGN BASE SHEAR0.248 w
ANALYSIS PROCEDUREEQUIVALENT LATERAL FORCE (SIMPLIFIED)

STRUCTURAL DESIGN APPROACH
FOUNDATION SYSTEM:
THE FOUNDATION CONSISTS OF REINFORCED CONCRETE CONTINUOUS FOOTINGS WITH REINFORCED CONCRETE SPREAD FOOTINGS AT HEAVY POINT LOADS.

WALLS:
THE STRUCTURE UTILIZES WOOD FRAMING WITH LOAD BEARING STUD WALLS.

LATERAL STABILITY:
LATERAL STABILITY IS PROVIDED BY THE ROOF DECK ACTING AS A DIAPHRAGM SPANNING BETWEEN SHEAR TRANSFER ELEMENTS WITH PLYWOOD SHEAR WALLS.



FRAMING PLAN

ADDITION AND RENOVATION TO:
OSCEOLA STATION
1-55 # HWY 140 - 4610 W. REISER
OSCEOLA, AR 72370

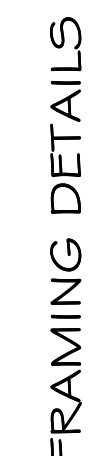
COMM. NO.: 96322
DATE: 01/20/2023
FILE:
PLOT:

MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com



S2

SMITH ENGINEERING CO.
CIVIL & STRUCTURAL
P.O. BOX 299 • MARION, AR 72364 • (870) 739-5533



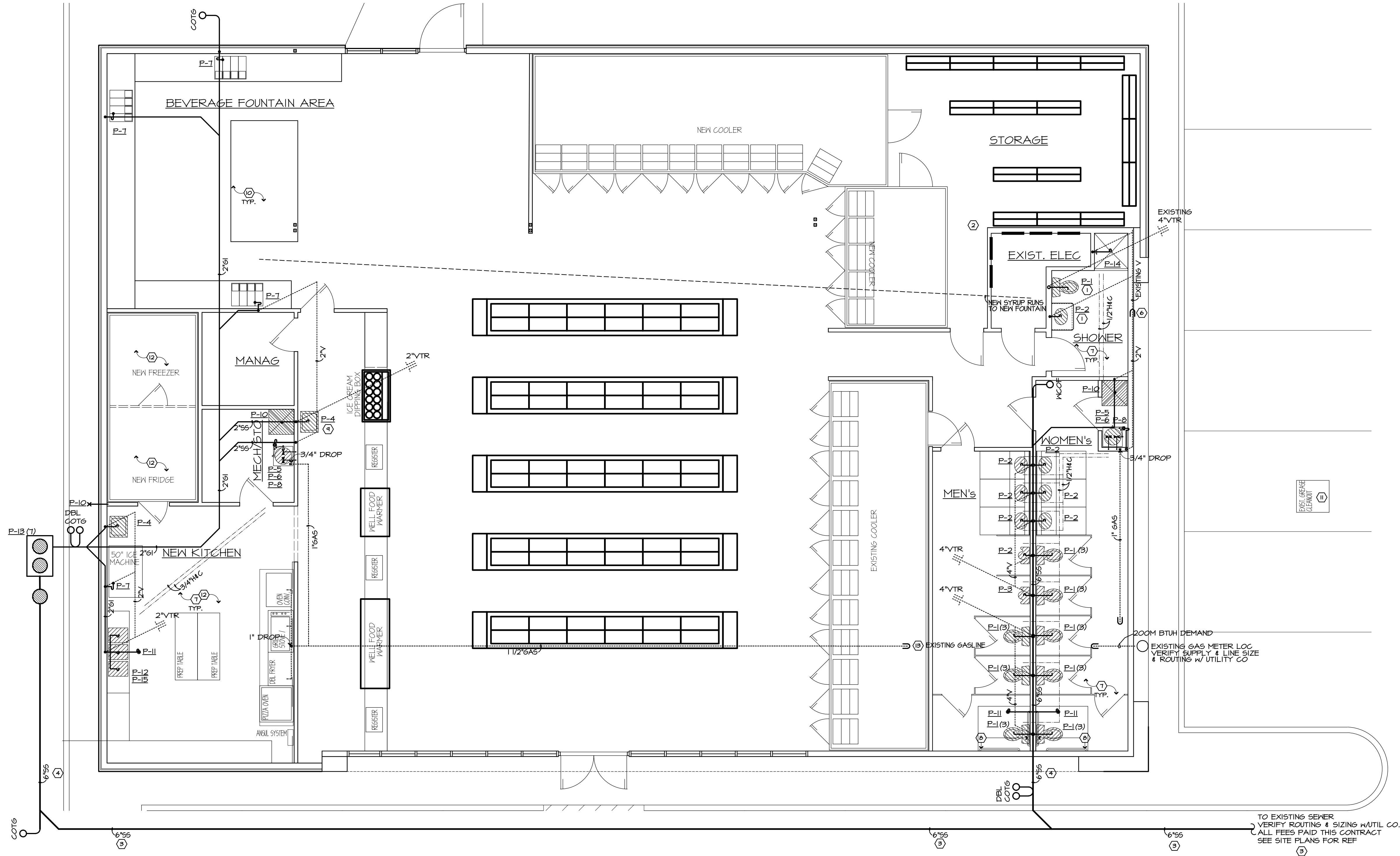
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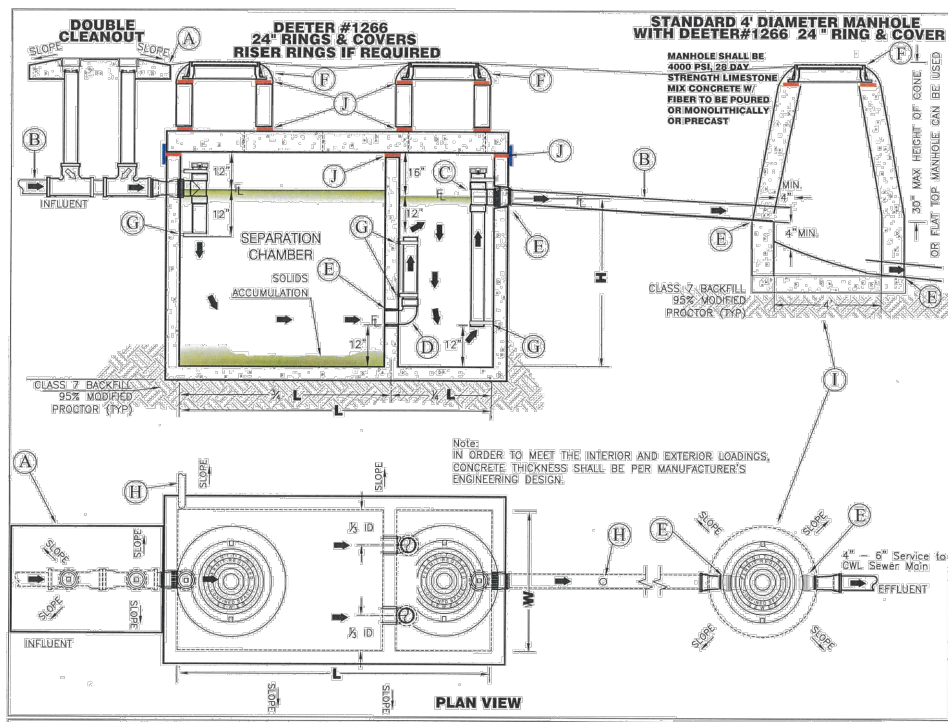


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PLUMBING PLAN N.T.S.

1. ASPC 425.2 Water closets for public or employee toilet facilities. Water closet bowls for public or employee toilet facilities shall be of the elongated type.
2. Water installation shall conform to CH. 5 ASPC 2018 Edition.
3. ASPC 802. 4.2. Hub Drains A hub drain shall be in the form of a hub or pipe extending not less than 1- inch (25.4 mm) above a water -impervious floor.
4. ASPC 419.5 Tempered water for public hand-washing facilities. Tempered water shall be delivered from lavatories and group wash fixtures located in public hand-washing facilities provided for customers, patrons and visitors. Tempered water between 85°(29°C) and 110°(43°C) shall be delivered through an approved water temperature limiting device that conforms to ASSE, IOTI/ASME A112.1.070/CSA B125.70 or CSA B125.3
5. Site verify all routing w/ Utility co. - All fees paid this contract.
6. See Sheet P2 for plumbing riser diagram, general notes and schedules.
7. See Sheet A1 for Construction Phases.



- DOUBLE CLEANOUT & PND USE IN PROVIDED AREA SEE ADDITIONAL NOTE #2**
- STANDARD 4" DIAMETER MANHOLE WITH DEPTH OF 12" MIN. & 12" MAX.**
- DOUBLE CLEANOUT & PND USE IN PROVIDED AREA SEE ADDITIONAL NOTE #2**
- STANDARD 4" DIAMETER MANHOLE WITH DEPTH OF 12" MIN. & 12" MAX.**

- ADDITIONAL NOTES:**
1. ALL GREASE INTERCEPTORS MUST HAVE TWO COMPARTMENTS, STANDARD MANHOLE FRAMES & LIDS ARE TO BE INSTALLED OVER THE INLET PIPE AND OUTLET PIPE ON EACH COMPARTMENT.
 2. ALL GREASE INTERCEPTORS IN-TANK PIPING MUST BE MIN. 4" SCHEDULE 40 PVC SOLVENT WELD, AND IS TO BE SECURED AT THE TOP AND BOTTOM WITH STAINLESS STEEL BANDS AND BOLTS.
 3. ALL GREASE INTERCEPTORS MUST BE ACCESSIBLE FOR INSPECTION, AND CLEANING AT ALL TIMES.
 4. A-LOK SEALS OR EQUAL BOOTS ARE REQUIRED WHERE PIPING PASSES THROUGH THE EXTERIOR AND INTERIOR INTERCEPTOR WALLS AND MANHOLES.
 5. VENTS ARE TO BE INSTALLED PER ARKANSAS STATE PLUMBING CODE LATEST REVISION.
 6. CLEANOUTS USED ON THE EXTERIOR PORTION OF TANKS SHALL BE MIN. 4" WITH BRASS COUNTERSUNK PLUGS W/ BRASS OR EQUAL. PARKING AREAS MUST HAVE COUNTERSUNK COVERS W/ #500MP OR EQUAL WITH CONCRETE PAD DETAILS.
 7. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. EACH OWNER MUST SUBMIT A DETAILED SITE AND FLOOR PLAN THAT SHOW ALL PLUMBING FIXTURES WITH FLOOR RISE AND THEIR CORRESPONDING PIPING LAYOUTS. EACH OWNER MUST SUBMIT AN ISOMETRIC PLUMBING RISER THAT SHOWS THE GREASE WASTE PIPING AND ALL OTHER SANITARY PIPING ASSOCIATED. CHL WILL REQUIRE A TYPICAL 1/4"X1/4"X1/4" SCALE DRAWING OF THE GREASE INTERCEPTOR.
 8. ALL GREASE INTERCEPTOR AND OWNERS MUST BE PRE-APPROVED BY CITY WATER & LIGHT.
 9. WHEN SUBMITAL IS COMPLETE AND APPROVED CHL WILL ISSUE A GREASE INTERCEPTOR PERMIT.
 10. ATTENTION: ALL INSTALLATIONS MUST BE COMPLETE GREASE INTERCEPTOR AND SEWER LINES INCLUDED BEFORE CHL WILL CONNECT PERMANENT ELECTRIC TO BUILDING.

FIXTURE UNIT CALC'S						
ITEM	DESCRIPTION	QUANTITY	WSFU	WSFU TOTAL	DFU	DFU TOTAL
P-1	WATER CLOSET	9	5	45	4	36
P-2	LAVATORY & FAUCET	7	2	14	1	7
P-3	URINAL	2	5	10	4	8
P-4	BAR SINK	2	2	4	2	4
P-14	SHOWER UNIT	1	4	4	4	4
P-5	WATER HEATER	2	---	---	---	---
P-6	BACKFLOW PREVENTOR	2	---	---	---	---
P-15	GARBAGE DISPOSAL	1	---	---	---	---
P-7	DRAIN LINE	4	1	4	---	---
P-8	HUB DRAIN	2	---	---	2	4
P-9	HOSE BIBB	4	2	8	---	---
P-10	JANITORS SINK	2	3	6	3	6
P-11	FLOOR DRAIN	3	---	---	2	6
P-12	3 COMP SINK	1	4	4	4	4
TOTALS				99		79

GENERAL NOTES PLUMBING PLAN	
MARK	DESCRIPTION
1	EXISTING SEWER TO REMAIN - NEW FIXTURES & WATER LINES THIS CONTRACT
2	CAP OFF EXISTING SEWER LINE - DURING PHASE 3 - LOCATION TO BE VERIFIED ON SITE
3	ALL WORK THIS AREA TO BE COMPLETED PRIOR TO THE START OF PHASE 2
4	ALL WORK THIS AREA TO BE COMPLETED PRIOR TO THE START OF PHASE 3
5	VANITY - ADA PROFILE TOP, REMOVABLE SKIRT W/ RECESSED SOAP DISPENSOR - SEE MILLWORK
6	TIE INTO EXISTING THIS LOCATION
7	NEW TILE FLOORING THIS LOCATION - OWNER TO SPECIFY COLOR & TYPE - PROVIDE ALLOWANCE THIS CONTRACT
8	MTL GRAB BARS MOUNTED TO SOLID BLOCKING PER ANSI STANDARDS - SEE MILLWORK
9	NEW HAND WASHING SINK - TO BE INSTALLED AT EXISTING 3 COMP SINK LOCATION - CONNECT TO NEW PLUMBING LINES LINE
10	BEVERAGE/FOUNTAIN AREA TO BE RECONNECTED DURING PHASE 3
11	EXISTING GREASE TRAP TO BE REMOVED & CAPPED THIS CONTRACT
12	VERIFY ALL KITCHEN EQUIPMENT ORDERED - PLUMBING REQUIREMENTS & SPECIFICATIONS PRIOR TO CONSTRUCTION
13	TIE INTO EXISTING GAS LINE THIS LOCATION - SIZE ACCORDINGLY W/ KITCHEN EQUIPMENT

GREASE INTERCEPTOR UNIT CALC'S

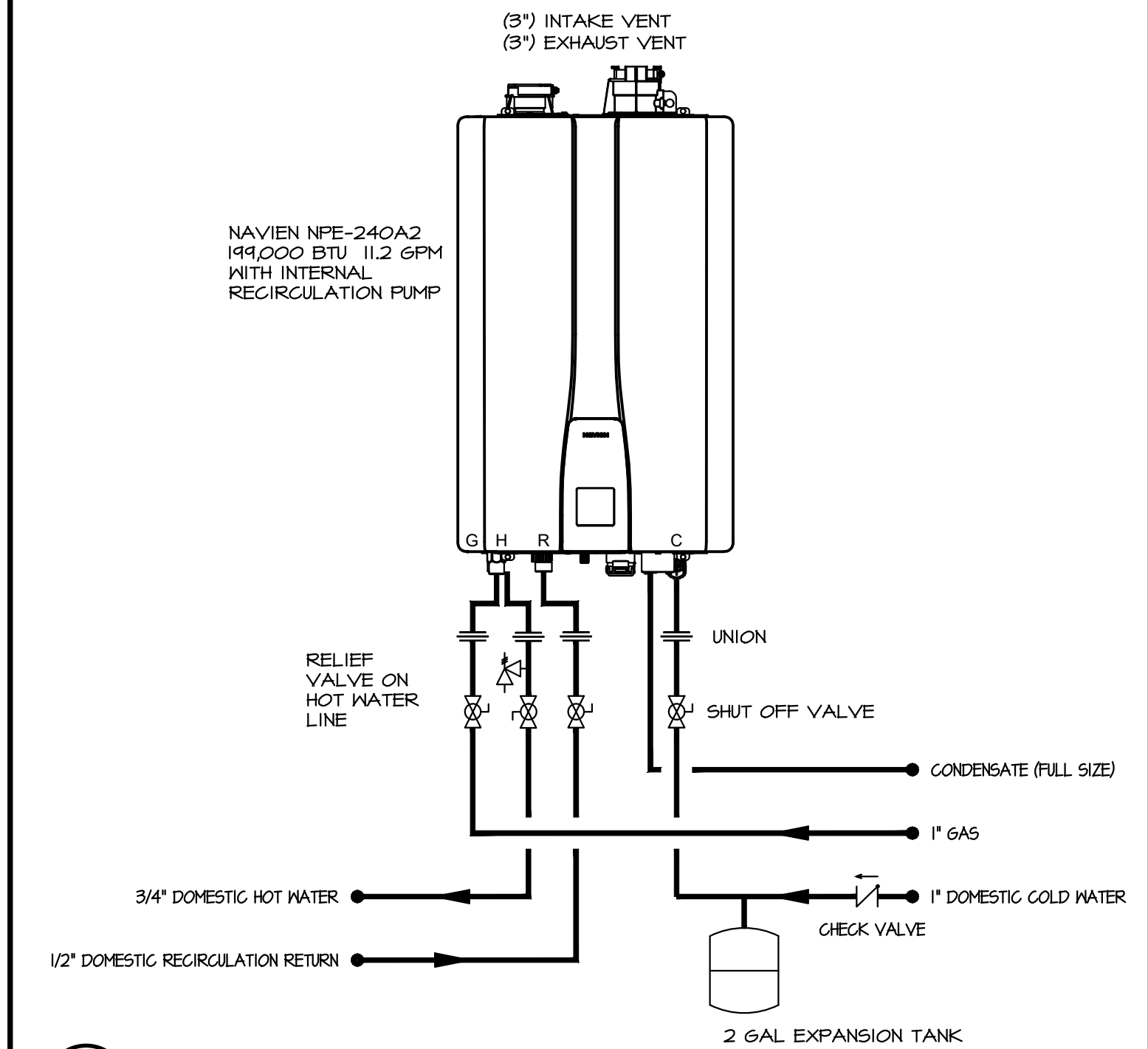
ITEM	DESCRIPTION	QUANTITY	DFU	DFU TOTAL
P-4	BAR SINK	2	2	4
P-10	JANITORS SINK	1	3	3
P-11	FLOOR DRAIN	1	2	2
P-12	3 COMP SINK	1	4	4

TOTAL: 13

NOTE: MAX OF 35 DFU ALLOWED FOR 1000 GREASE INTERCEPTOR

PLUMBING FIXTURE SCHEDULE			
MARK	ITEM	DESCRIPTION	REMARKS
P-1	WATER CLOSET (HDCP)	PEERLESS T-668 ADA CLOSET COMBINATION W/ BENEKE 523 OPEN FRONT SEAT	(1)(3)(4)
P-2	LAV (HDCP)	PEERLESS T9 20217 SELF RIMMING LAVATORY W/DELTA 3501 SINGLE LEVER FAUCET, GRID DRAIN + COUNTERTOP TO BE DURASEIN SOLID SURFACE - OWNER TO SELECT STYLE	(1)(2) (5)
P-3	URINAL	AMERICAN STANDARD 656101.020 TRIMBROOK TOP SPUD SIPHON JET 1.0 GPF	(1)(3)
P-4	HAND SINK	REGENCY 17"x15" WALL MOUNTED W/ GOOSENECK FAUCET	(4)(1)
P-5	WATER HEATER	NAVLEN NPE-240A2 SERIES TANKLESS WATER HEATER 199,900 BTU/H	(6)
P-6	BACKFLOW PREVENTOR	MATTS 909 RPZ CAST IRON	
P-7	DRAIN LINE	SEE SPECIFICATIONS FOR VALVE CONNECTIONS - W/DRAIN IN BOX LOC	
P-8	HUB DRAIN	PROSET 2" TRAP GUARD HUB DRAIN W/ FIXED AIR GAP @ TOP	(5)
P-9	HOSE BIBB	WOODFORD MODEL 21 BACKFLOW PROTECTED AUTO DRAINING FREEZELESS	
P-10	JANITOR SINK	FIAT MSB2424 MOP BASIN, DELTA 28T4 FAUCET, B32-AA HOSE & BRACKET, B04-CC MOP BRACKET	(1)
P-11	FLOOR DRAIN	PROSET T25630-F-P 2" TRAP GUARD FLOOR DRAIN W/ 5" NICKEL BRONZE STRAINER	(1)
P-12	3 COMP SINK	DAYTON D12521 4 HOLE W/ DELTA 400 SINGLE LEVER FAUCET W/ SPRAY, MCGUIRE 151-A BASKET STRAINER	(1)
P-13	GREASE TRAP	SEPARATION CHAMBER & MANHOLE W/DEETER #1266 W/ 24" RINGS & COVERS	(1)(8)
P-14	SHOWER INSERT	NEW ROLL-IN SHOWER PAN W/ PRE MANUF. WALL SHEETING SEALED PER MANUFACTURE REQ. W/ HDCP ACCESSIBLE SHOWER VALVES & HEAD TO BE INSTALLED	
P-15	DISPOSAL CONNECTION	DISPOSAL CONNECTION - VERIFY ALL CONNECTIONS THIS CONTRACT	

- REMARKS PLUMBING FIXTURE SCHEDULE**
- (1) WHITE
 - (2) FIXTURE SUPPLIES & DRAIN SHALL EXTEND NO MORE THAN 6" OUT FROM WALL. SHALL PROVIDE 24" MIN. FLOOR TO BOTTOM - 24" CLEAR UNDER MIN. SINK RIM 34" MAX - SEE MILLWORK FOR REF
 - (3) FLUSH HANDLES ON TANKS TO FACE OPEN PART OF STALL
 - (4) MOUNT ORIFICE @ 34" A.F.F. FOR HDCP
 - (5) HUB DRAINS @ MECHANICAL UNITS SHALL NOT BE INSTALLED IN RETURN AIR SPACE - EXTEND ABOVE MECH PLATFORM WHERE APPLICABLE
 - (6) PROSET TRAP SEAL PRODUCTS ARE AN ALTERNATIVE FOR TRAP PRIMERS - ARKANSAS HEALTH DEPT. APPROVED
 - (7) TIE INTO GREASE INTERCEPTOR - APPROVED BY WATER COMPANY
 - (8) GREASE INTERCEPTOR - APPROVED BY WATER COMPANY

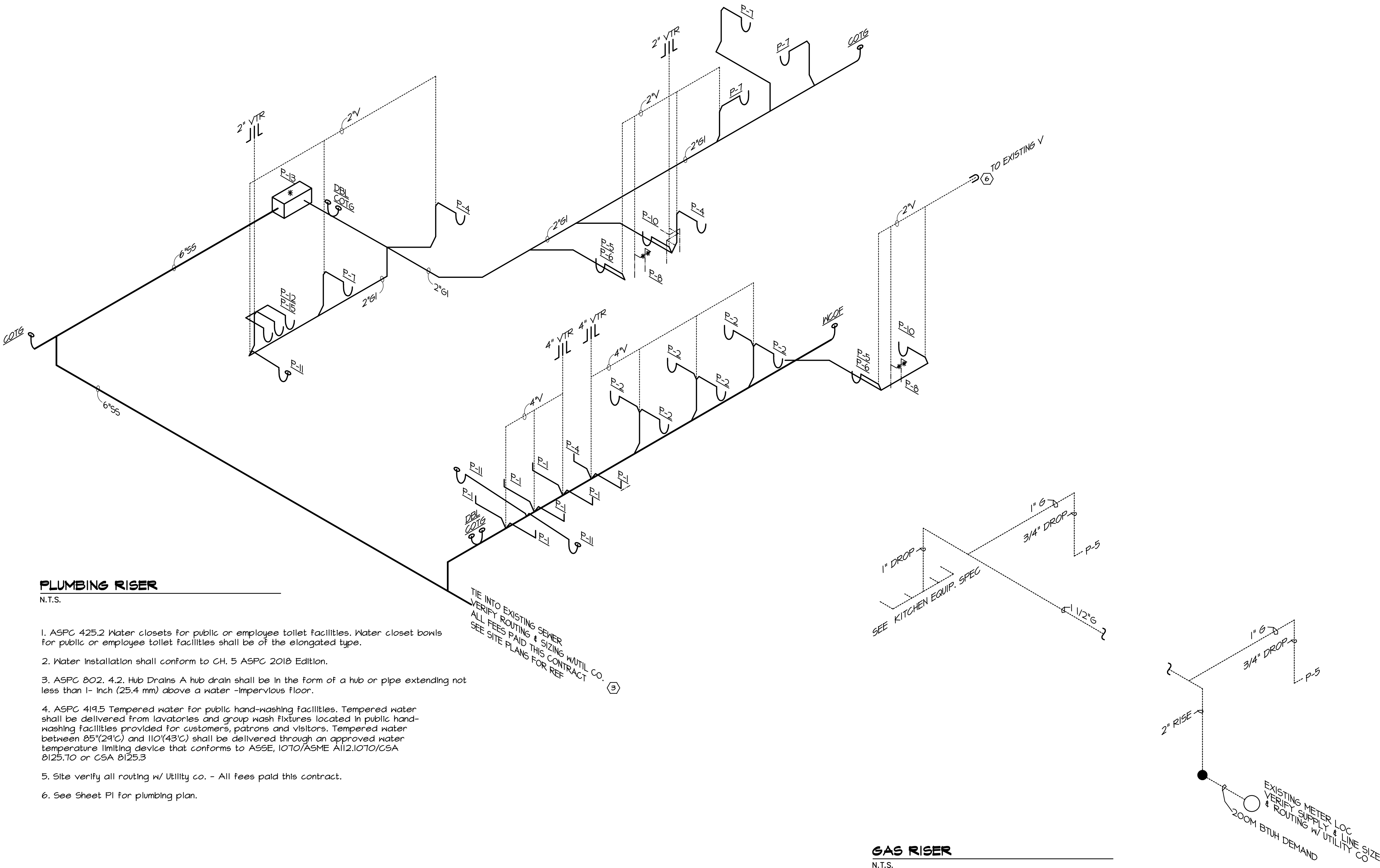


WATER HEATER DETAIL

NTS

NOTE: INSTALLATION SHALL CONFORM TO CHAPTER 5 OF THE ARKANSAS STATE PLUMBING CODE, 2006 EDITION

GENERAL NOTES ELECTRICAL POWER PLANS		LEGEND	
MARK	DESCRIPTION		
1	NATURAL GAS REGULATOR, REDUCE PRESSURE FROM 2 PSI TO 11"WC - ORIENT VENT IN DOWNWARD DIRECTION - CONNECT NGAS PIPING TO HVAC UNITS AS REQUIRED TO SERVE EQUIPMENT - SEE HVAC PLANS FOR EQUIPMENT INFORMATION	-----	HOT WATER
2	PROVIDE EMERGENCY SHUT-OFF VALVE FOR NATURAL GAS SERVICE TO KITCHEN EQUIPMENT - LOCATE ELECTRONICALLY ACTIVATED VALVE AS SHOWN ON PLANS - COORDINATE W/ OWNER PRIOR TO INSTALLATION OF EMERGENCY SHUT-OFF SWITCH - SEE ELEC PLANS FOR POWER SUPPLY INFORMATION	-----	COLD WATER
3	PROVIDE THERMO-OMEGA-TECH MCS SERIES CIRCUIT SOLVER THERMOSTATIC CIRCUIT SETTER BALANCING VALVE (SAME SIZE AS LINE, 1/2" HHR, 5" DELTA T) PROVIDE FULL PORT BALL VALVE AND UNION IMMEDIATELY UPSTREAM & DOWNSTREAM OF BALANCING VALVE. DEVICE SHALL CONFORM TO ASSE 1070 AND ASFC 416.5, 6071	-----	SANITARY SEWER
4	GAS LINE & WATER LINES TO BE RUN OVER HARD CEILING ONLY - NOT AT OPEN CEILING	-----	VENTS
5	TEMPERING VALVE REQUIRED THIS FIXTURE	-----	GAS



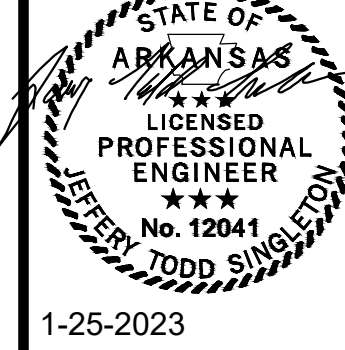
PLUMBING RISER

N.T.S.

1. ASFC 425.2 Water closets for public or employee toilet facilities. Water closet bowls for public or employee toilet facilities shall be of the elongated type.
2. Water installation shall conform to CH. 5 ASFC 2018 Edition.
3. ASFC 802. 4.2. Hub Drains A hub drain shall be in the form of a hub or pipe extending not less than 1- inch (25.4 mm) above a water -impervious floor.
4. ASFC 419.5 Tempered water for public hand-washing facilities. Tempered water shall be delivered from lavatories and group wash fixtures located in public hand-washing facilities provided for customers, patrons and visitors. Tempered water between 85(24°C) and 110(43°C) shall be delivered through an approved water temperature limiting device that conforms to ASSE, 1070/ASME A112.1.070/CSA B125.10 or CSA B125.3
5. Site verify all routing w/ Utility co. - All fees paid this contract.
6. See Sheet PI for plumbing plan.

GAS RISER

N.T.S.



1-25-2023

PLUMBING & GAS RISER DIAGRAM
NOTES, SCHEDULE, & DETAILS

ADDITION AND RENOVATION TO:
OSCEOLA STATION
-SB & HWY 40 - 46.0 N. KEISER
OSCEOLA, AR 72370

COMM. NO.: 96322
DATE: 12/01/2022
FILE:

MORTIN DESIGN SERVICES, LLC
Commercial & Residential Drafting Consultant
870-284-4054
bmortin.mds@gmail.com

