



KEY NOTES	A
Scale= NTS	A-100

SITE PLAN
ARCHITECTURAL



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REVISIONS:

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DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559
ARCH PROJECT #: 1805

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NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

A-101

KITCHEN PLAN



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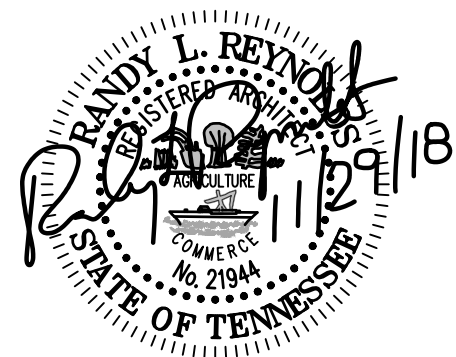
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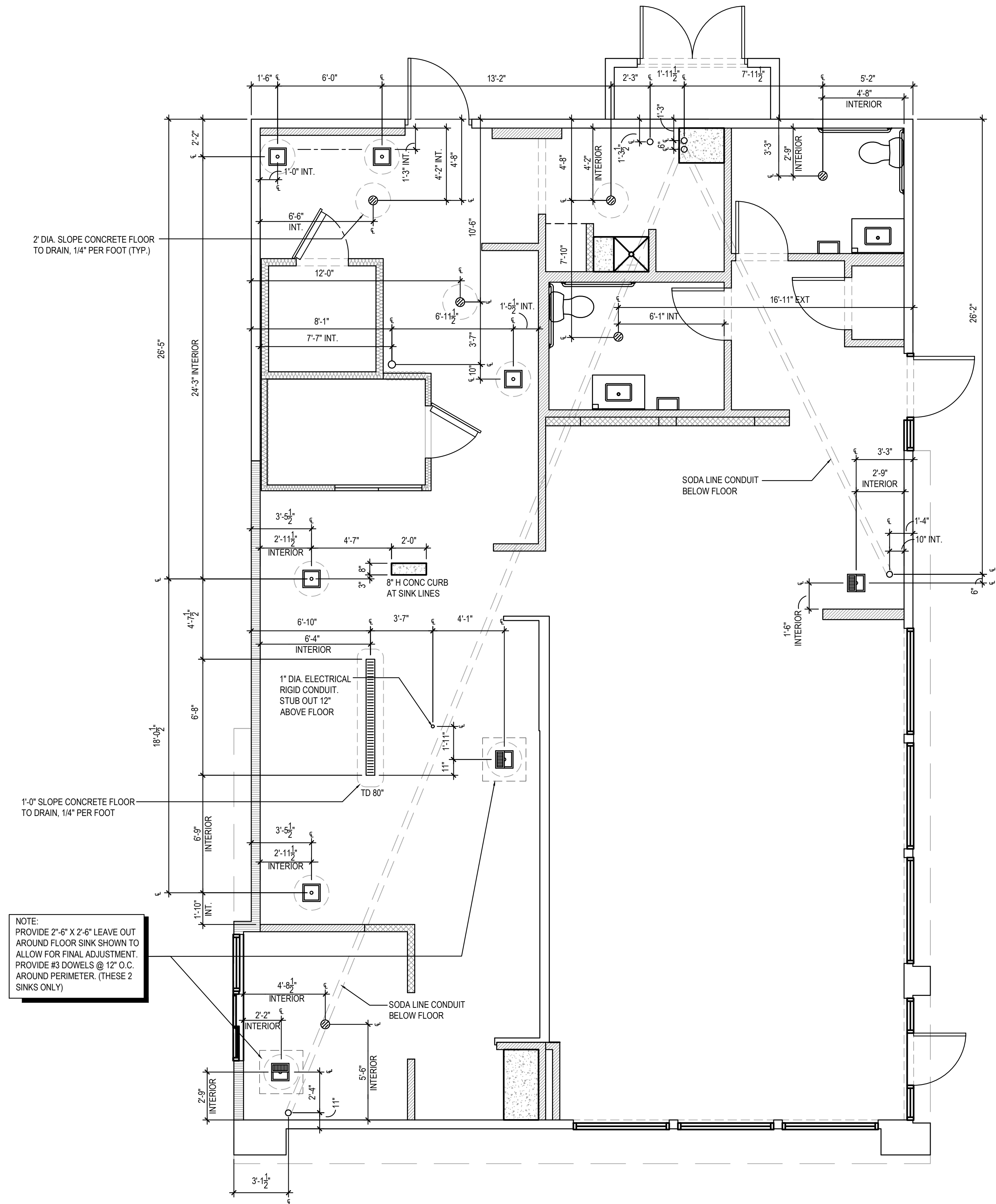
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A-102

ROUGH - IN PLUMBING PLAN



ROUGH - IN PLUMBING PLAN 1
Scale= 1/4" = 1'-0" A-102

FINISH SCHEDULE					
ROOM NAME	FLOOR	BASE	WALL	CEILING	04-20-18
(100) DINING ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	P101, P104 T109 W102	PAINT TILE WALL COVERING	C1 2" X 2" ARMSTRONG, SEPIA #PN91311 C3 GYP BOARD W/ PAINT P103
(101) SERVING AREA	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	T109 TILE		C3 GYP BOARD W/ SMOOTH WASHABLE PAINT
(102) DRIVE-THRU STATION	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL		C2 2" X 4" SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
(103) KITCHEN	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP3 S.S. BEHIND COOK LINE WP1 FRP PANEL		C2 2" X 4" SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
(104) KITCHEN PREP.	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL		C2 2" X 4" SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
(105) WALK-IN COOLER	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	S.S. / ALUMINUM WITH 3/4" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.		ALUMINUM GALVANIZED STAINLESS STEEL
(105A) WALK-IN FREEZER	QT 8" X 8" CONT. QUARRY TILE QT UNDER WIF SUBFLOOR	S.S. / ALUMINUM WITH 3/4" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.		ALUMINUM GALVANIZED STAINLESS STEEL
(106) MEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE		C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
(107) WOMEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE		C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
(108) VESTIBULE	T200 24" X 24" TILE	T109 6" X 48" TILE	P104 PAINT GYB BOARD T109 TILE		C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
(109) STORAGE ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	WP1 FRP PANEL		C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
(110) EXTERIOR STORAGE	SEALED CONCRETE, SMOOTH FINISH	-	WP1 FRP PANEL		C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT

DOOR & HARDWARE SCHEDULE										INSTALLED AND FURNISHED BY, G.C. UNLESS NOTED OTHERWISE									
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CONTRACTOR TO PURCHASE DOOR HARDWARE & FRAME DIRECTLY FROM PANDA'S NATIONAL ACCOUNT SUPPLIER. SUPPLIER TO PROVIDE ALL STOREFRONT DOOR HARDWARE, P-LAM DOORS & FRAME AND HM DOOR & FRAME.

PRIMARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
JERRY JACOBS, PROJECT MANAGER
800-887-4307, EXT. 220 PHONE
659-881-5499 FAX
jerryj@locknet.com, Panda@Locknet.com

SECONDARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
ANGIE HAINES, PROJECT MANAGER
800-887-4307, EXT. 145 PHONE
659-881-5499 FAX
AngieH@Locknet.com, Panda@Locknet.com

NO.	DOOR MATERIAL	SIZE	FRAME	FACE/EDGE	THK	CORE	LITE	RATE	PASSAGE	PRIVATEY	S.F. PULL	PANIC	BUTT	CONT. PIANO	FLOOR	WALL	THRESHOLD	LATCH GUARD	DETEX ALARM	SILENCERS	MOCKPLATES	CLOSER	REMARKS
(D1)	ALUMINUM STOREFRONT	3'-0" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 3/4"	HOLLOW	GLASS	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	EXTERIOR DOORS SHALL BE KAWNEER 350-IR WITH IR GLAZING PER NOA'S. OTHER EXTERIOR DOORS PER NOA'S. SUBMIT CERTIFICATIONS TO BUILDING DEPT PRIOR TO ORDERING OR INSTALLATION
(D2)	ALUMINUM STOREFRONT	3'-6" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 3/4"	HOLLOW	GLASS	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	PROVIDE PULL AT EXTERIOR SIDE
(D3)	S.C. WOOD	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 3/4"	SOLID	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	KICKPLATE ON EACH SIDE OF DOOR
(D4)	S.C. WOOD	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 3/4"	SOLID	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	KICKPLATE ON INT. SIDE OF DOOR
(D5)	HOLLOW METAL	3'-6" X 7'-0"	H. MTL.	PAINTED	1 3/4"	INSUL.	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	KICKPLATE ON INT. SIDE OF DOOR
(D6)	HOLLOW METAL	(2) 3'-0" X 7'-0"	H. MTL.	PAINTED	1 3/4"	INSUL.	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	KICKPLATE ON INT. SIDE OF DOOR

WALL SCHEDULE					
NO.	DESCRIPTION				
(W1)	3'-5/8" 20GA. METAL STUD WALL W/ 3/4" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)				
(W2)	3'-5/8" 20GA. METAL STUD WALL W/ 3/4" TYPE "X" GYP. BOARD ON ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)				
(W3)	(2) 3'-5/8" 20GA. METAL STUD WALLS W/ 3/4" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)				
(W4)	3'-5/8" 20GA. METAL STUD LOW WALL W/ 3/4" TYPE "X" GYP. BD BOTH SIDES. PROVIDE 3 1/2" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C.				
(W5)	6" 20GA. METAL STUD WALL W/ 3/4" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)				
(W6)	6" 20GA. METAL STUD WALL W/ 3/4" TYPE "X" GYP. BOARD ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)				
(W7)	6" 20GA. METAL STUD LOW WALL W/ 3/4" TYPE "X" GYP. BOARD BOTH SIDES. PROVIDE 3 1/2" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C.				

WALL PANEL SCHEDULE					
NO.	MANUFACTURER	DESCRIPTION	MFG #	COLOR FINISH	REMARK
(WP1)	CRANE COMPOSITES INC.	F.R.P. THICKNESS .075	LECS 14	#636 (GRAY), SM/SM	CONTACT: LINDA RUSE 310.857.9036
(WP2)	-	S.S. PANEL (22 GA)	-	BRUSHED FINISH	FURNISHED BY PX. INSTALLED BY G.C.
(WP3)	-	S.S. PANEL (22 GA)	-	DIAMOND PATTERN FINISH	FURNISHED BY PX. INSTALLED BY G.C.
(WP4)	NOT USED				
(WP5)	NOT USED				
(WP10)	NOT USED				
(W102)	WOLF GORDON	PRINT WALLCOVERING	-	-	CONTACT: CATHY DY 310.770.1165 cathy.dy@wolfgordon.com

SPECIAL SURFACE SCHEDULE			INSTALLED AND FURNISHED BY: G.C. UNLESS NOTED OTHERWISE			
NO	MANUFACTURER	PRODUCT	MFG #	STAIN / COLOR	FINISH	REMARK
(GZ-3)	SELECTIVE STONE	ARTIFICIAL QUARTZ	-	BEACH SAND QUARTZ	POLISHED	SERVICE COUNTER & DRINK STATION PROVIDED BY PX. INSTALLED BY G.C.
(GZ-4)	SAMSUNG RADIANZ	ARTIFICIAL QUARTZ	UG-950	URAL GRAY	POLISHED	LAVATORY UNDER MOUNT COUNTER PROVIDED BY PX. INSTALLED BY G.C.

INTERIOR PAINT SCHEDULE					
NO.	MANUFACTURER	MFG #	COLOR	FINISH	REMARK
(P94S)	SHERWIN-WILLIAMS	SW 7065	ARGOS	PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS	REAR SERVICE DOOR
(P98)	NOT USED				
(P101)	SHERWIN-WILLIAMS	SW 8252	ICE CUBE	ALL-SURFACE ENAMEL, SATIN	RESTROOM & RESTROOM VESTIBULE CEILING, SERVICE LINE SOFFIT
(P102)	NOT USED				
(P103)	SHERWIN-WILLIAMS	SW 7032	WARM STONE		DROPPED SOFFITS
(P104)	SHERWIN-WILLIAMS	SW 6155	RICE GRAIN	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	DINING RM. WALLS, RESTROOM VESTIBULE WALLS
(P105)	NOT USED				
(P106)	SHERWIN-WILLIAMS	SW 7020	BLACK FOX	DTM ACRYLIC GLOSS, LOW VOC	RESTROOM DOOR FRAMES & LCD NICHE (BACK WALL)
(G205)	SHERWIN-WILLIAMS	SW 7675	SEALSKIN	ALL-SURFACE ENAMEL, SATIN	FRONT & BACK & UNDERSIDE FACES OF SERVICE COUNTER SOFFIT

WALL LEGEND

	NEW EXTERIOR WALL
	NEW EXTERIOR WALL FRAMED WITH STRUCTURAL STEEL STUDS
	NEW INTERIOR WALL (FULL HT.)
	NEW INTERIOR WALL (LOW WALL - REF. ELEV. & DETAILS)
	WALK-IN BOX PANEL

NOTE: THE FOLLOWING STAINLESS STEEL PROVIDED BY PX-INSTALLED BY G.C.:

- PANEL DIVIDERS AT WP3
- INSIDE CORNER AT WP3 TO WP2
- FLASHING AT TOP OF BASE WP3
- WP2 PIECE AT LENGTH OF WALL

NOTE: THE FOLLOWING STAINLESS STEEL PROVIDED BY G.C.-INSTALLED BY G.C.:

- INSTALL 18 GA STAINLESS STEEL CORNER GUARD & WALL CAP INSIDE KITCHEN

18 GA. STAINLESS STEEL CORNER GUARD - FULL HT

18 GA. STAINLESS STEEL CORNER GUARD - 4'-0" HIGH

18 GA. STAINLESS STEEL CORNER GUARD-FRAME - ALL AROUND PERIMETER OF OPENING - FRAME TO BE WELDED WITH IR GLAZING PER NOA'S. OTHER EXTERIOR DOORS PER NOA'S. SUBMIT CERTIFICATIONS TO BUILDING DEPT PRIOR TO ORDERING OR INSTALLATION

18 GA. STAINLESS STEEL WALL CAP

18 GA. STAINLESS STEEL INSIDE CORNER / CLOSURE - FROM TOP OF OT BASE TO UNDERSIDE OF CEILING, AT WALK-INS
NOTE! THESE 2 PIECES BY G.C.

ALL OTHER STAINLESS STEEL BY G.C.

NOTE:
ALL MISC STAINLESS (CAPS, CORNERS ETC) SHALL BE 18 GA TYPE 304 BRUSHED STAINLESS STEEL.

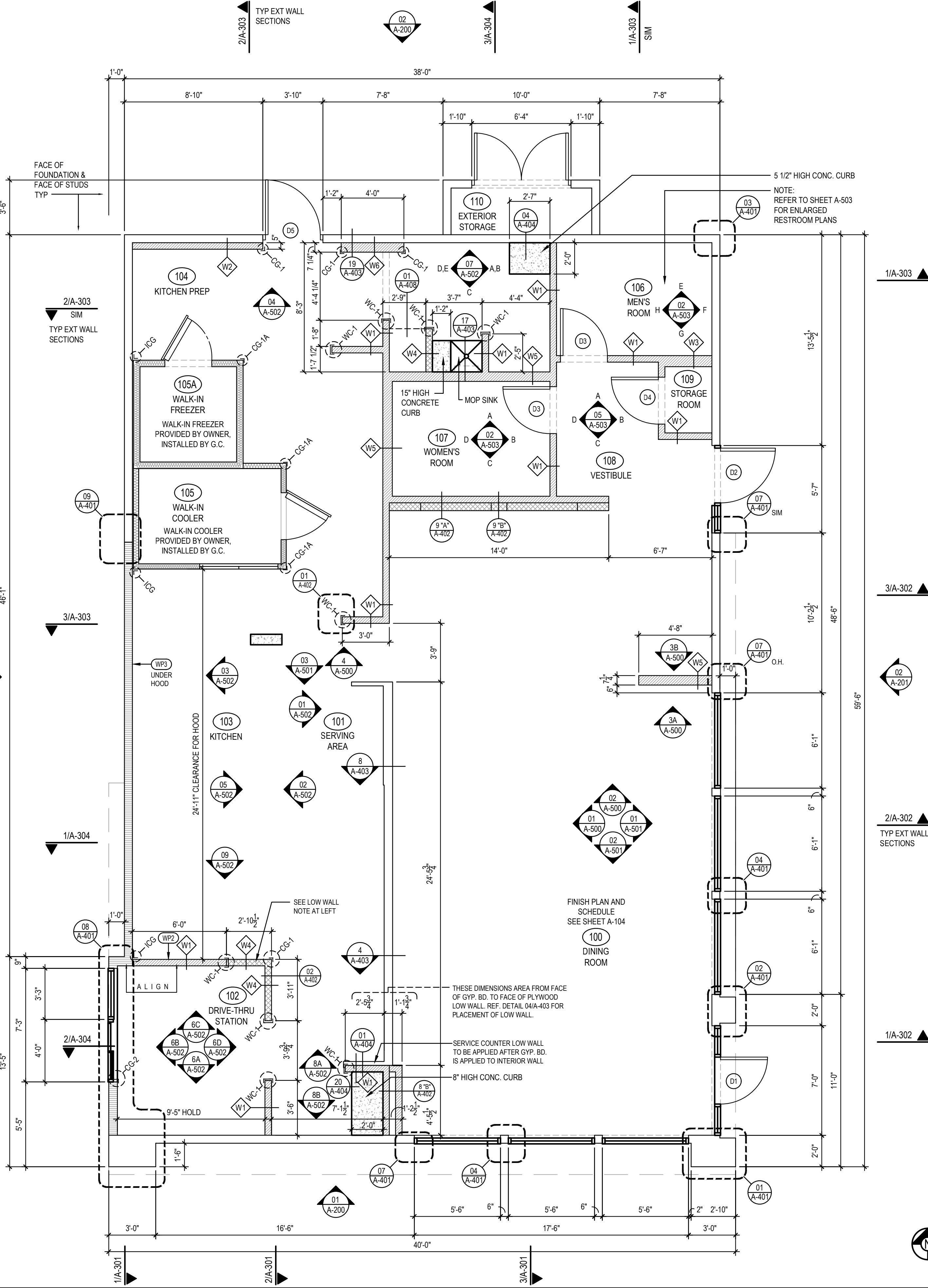
*AT L-SHAPED LOW WALL AT DRIVE-THRU, PROVIDE WELDED AND GROUND SMOOTH WALL CAP. SHOULD "APPEAR AS THOUGH ONE PIECE"

AT LOW WALLS WHERE S.S. CAPS JOIN S.S. CORNER GUARDS, OR WHERE S.S. CORNER GUARDS WRAP AN OPENING, S.S. WELD ALL JOINTS AND GRIND SMOOTH.

NOTE:
"G.C. TO INSTALL MIN 3 1/2" NON-COMBUSTIBLE MINERAL FIBERGLASS BATTS SOUND INSULATION AT ALL RESTROOM PARTITIONS AND CEILINGS.

*ALL INTERIOR DIMENSIONS ARE FROM OUTSIDE FACE OF DRYWALL TO OUTSIDE FACE OF DRYWALL TYPICAL

TILE SCHEDULE (SEE SHEET A-104)



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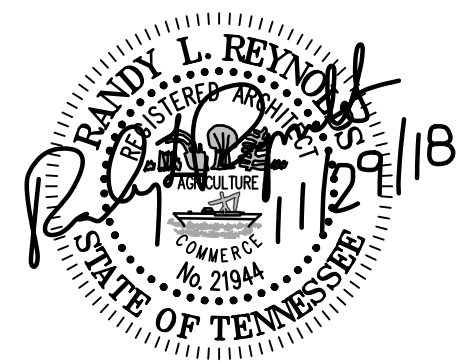
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





























2200 TRUE R1 (DAB 013)

A-103

FLOOR PLAN

FLOOR PLAN 1











Scale = 1/4" = 1'-0" A-103

LIGHTING FIXTURE SCHEDULE				PROVIDED FOR INFORMATION ONLY. VERIFY AND INSTALL PER ELECTRICAL DRAWING		04-20-18
ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK	
INTERIOR LIGHTING ITEM						
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	7	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC	
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V BAKED-ON WHITE ENAMEL FINISH.	1	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC	
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	3	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC	
		UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC	
		HOOD LIGHT	12	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELECTRIC CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL	
		WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	2	KASON FIXTURE: # 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E. , INSTALLED BY GC	
		DOWN LIGHT, RECESSED IN CEILING	41	ELITE HOUSING: LD6IC-AT LED MODULE: RL607-750L-DIMTR-120-30K-FL-SN-SN	FURNISHED BY OWNER, INSTALLED BY GC	
		EMERGENCY DOWN LIGHT, RECESSED IN CEILING	6	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC	
		3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING	15	LIGHTOLIER: LYTECASTER-378WHX FRAME-IN KIT: 302MRSPX BULB: MR16 - GE - PRECISE IR 37 WATT 40 ° BEAM	FURNISHED BY OWNER, INSTALLED BY GC	
		DECORATIVE PENDANT LIGHT	8	BENTWOOD PENDANTS: BULB: LED EDISON LAMP:1173467	A. CIRCLE B. ONION C. OBLONG D. BARREL	FURNISHED BY OWNER, INSTALLED BY GC
		WHITE LED AT SERVICE COUNTER SOFFIT & DINING ROOM PARTIAL HEIGHT WALL	47 L.F.	ZLED LIGHTING FIXTURE: MOD-R-5050-WW	FURNISHED BY OWNER, INSTALLED BY GC	
		9.8" DIA. DECORATIVE ISLA PENDANT LF INCANDESCENT	4	LBL LIGHTING, MODEL # LF512CRSC BULB: LED EDISON LAMP:1173467	HUNG @ 6'-6" AFF OVER DINING TABLES IN BETWEEN BOOTH FURNISHED BY OWNER, INSTALLED BY GC (VERIFY W/ PANDA)	
		NOT USED	-			
		MICRO INVERTER	1	EELP FIXTURE: PS-110-HP-S	FURNISHED BY OWNER, INSTALLED BY GC	
		SPEAKER	-		FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR	

NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCHED CIRCUIT.




- ONE NL BY SERVICE COUNTER, POS / CASHIER
- ONE NL BY POS / CASHIER AT DRIVE THRU STATION
- ONE NL BY EACH EXIT DOOR IN DINING ROOM & BACK OF HOUSE

EXTERIOR LIGHTING

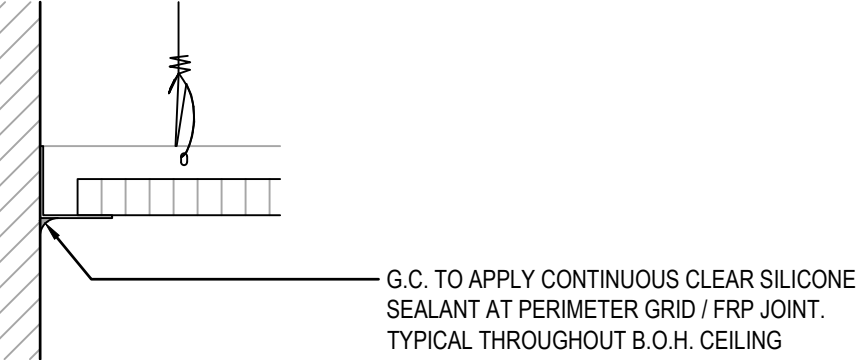
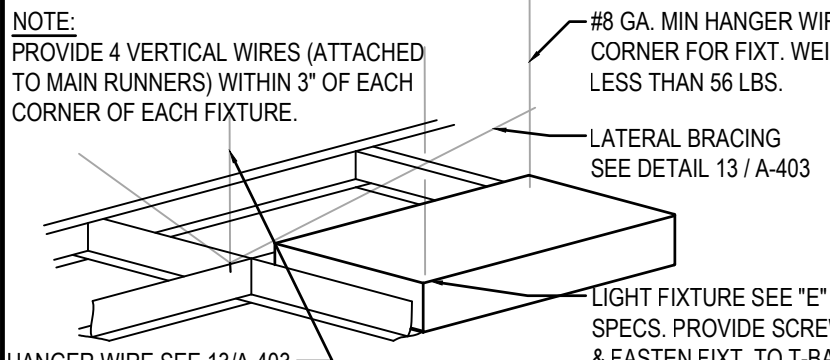
		WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	HOWARD LIGHTING FIXTURE: VL20	OVER EXTERIOR SERVICE DOOR, REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC	
		NAVILITE EMERGENCY LIGHT	2	EXITRONIX MLED1-G-WP	OVER EXTERIOR ENTRANCE & SERVICE DOORS, REFER ELEVATIONS FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC	
		EXTERIOR RECESS EMERGENCY LIGHT	1	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL607-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC	
		DECORATIVE LED WALL SCONCE	2	HINKLEY LIGHTING, ATLANTIS, BRONZE, 16498Z-LED	AT PORTAL OF ENTRY DOOR, REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC	
		LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	COOPER MX-4VT2-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC	

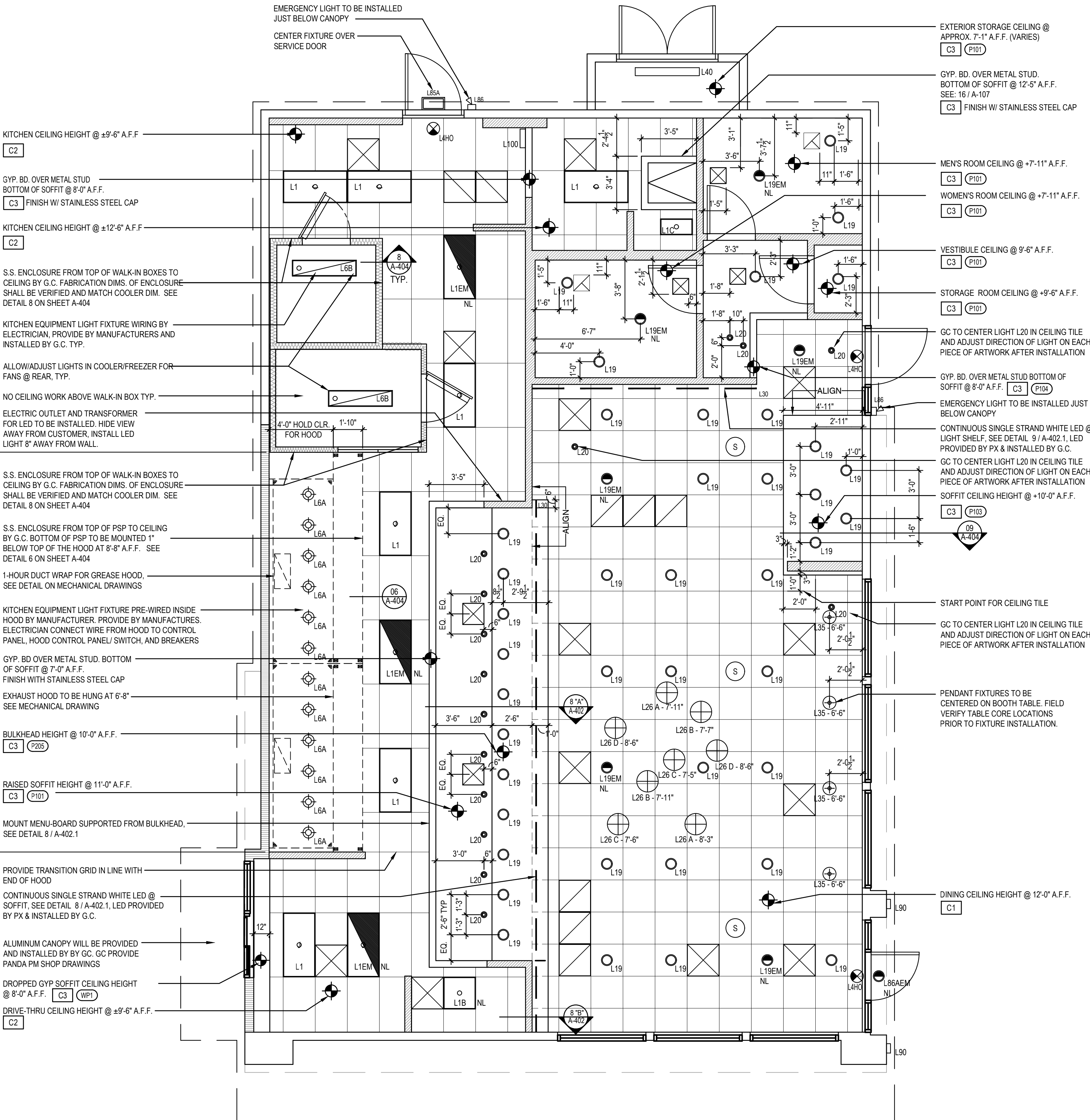
CEILING SCHEDULE

INSTALLED AND FURNISHED BY: G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	MATERIAL	FINISH
	ARMSTRONG	2' X 2' SUSPENDED T-BAR GRID CEILING SYSTEM	CUSTOM #PN91311	T-BAR AND GRID COLOR: SEPIA CONTACT AT ARMSTRONG-SHERRY BRUNT 1-800-442-4212
	USG	2' X 4' SUSPENDED T-BAR GRID CEILING SYSTEM	"VINYL ROCK" VINYL CLAD GYP. BD	SMOOTH AND WASHABLE WHITE
	GOLD BOND	MONOLITHIC CEILING ON METAL FRAMING	5/8" GYP. BD.	SMOOTH PAINT - WHITE AND WASHABLE

SEE SHEET A-103 FOR PAINT SCHEDULE

	
<p>G.C. TO APPLY CONTINUOUS CLEAR SILICONE SEALANT AT PERIMETER GRID / FRP JOINT. TYPICAL THROUGHOUT B.O.H. CEILING</p>	<p>NOTE: PROVIDE 4 VERTICAL WIRES (ATTACHED TO MAIN RUNNERS) WITHIN 3" OF EACH CORNER OF EACH FIXTURE.</p> <p>#8 GA. MIN HANGER WIRE @ OPP. CORNER FOR FIXT. WEIGHING LESS THAN 56 LBS.</p> <p>LATERAL BRACING SEE DETAIL 13 / A-403</p> <p>LIGHT FIXTURE SEE "E" DWGS FOR SPECS. PROVIDE SCREWS OR CLIPS & FASTEN FIXT. TO T-BAR</p> <p>HANGER WIRE SEE 13/A-403</p>
CEILING GRID DETAIL	LIGHT FIXTURE DETAIL
3	2
Scale= NTS	Scale= NTS
A-105	A-105



REFLECTED CEILING PLAN

1

Scale= 1/4" = 1'-0"

A-105



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REVISIONS:

NO.	DESCRIPTION	DATE

ISSUE DATE:

1st ISSUE FOR PERMIT 11-30-18

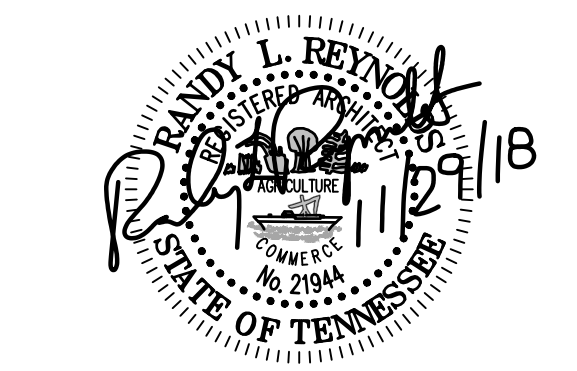
DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

RANDY REYNOLDS
ARCHITECT

315 WALTER ROBERTS ST * FRANKLIN, TN 37064
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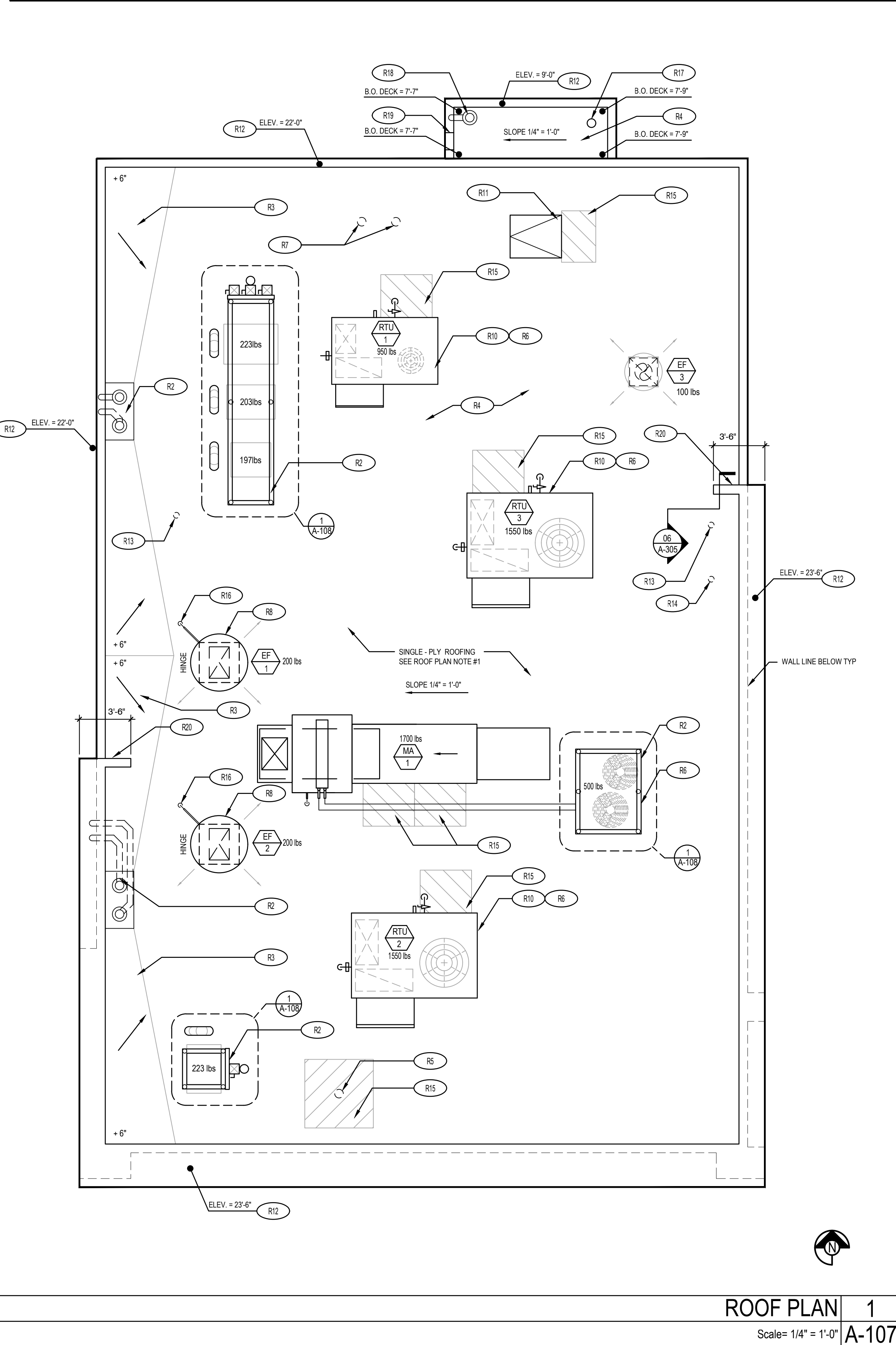
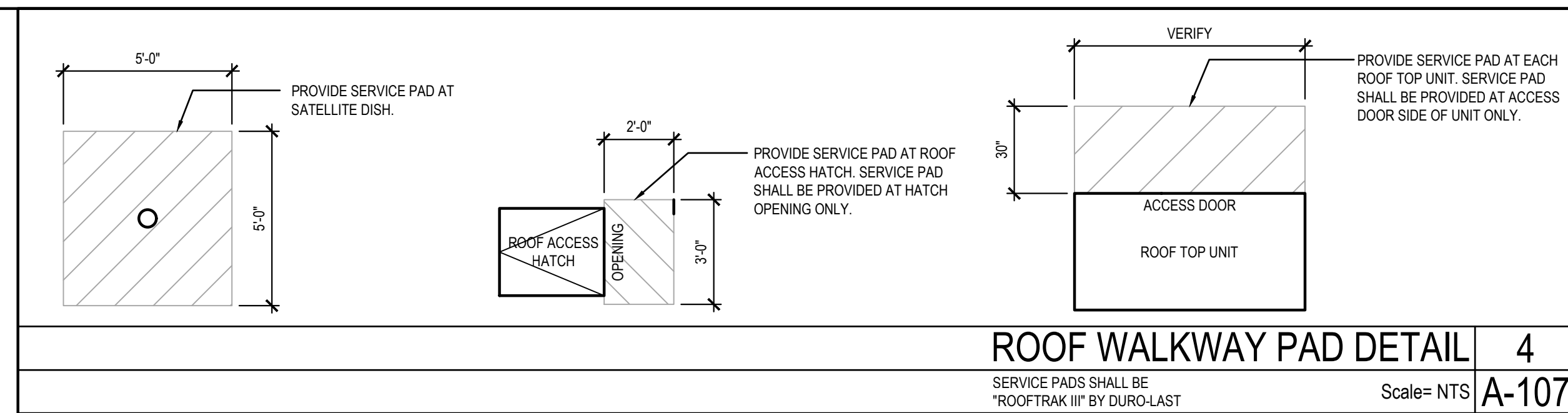
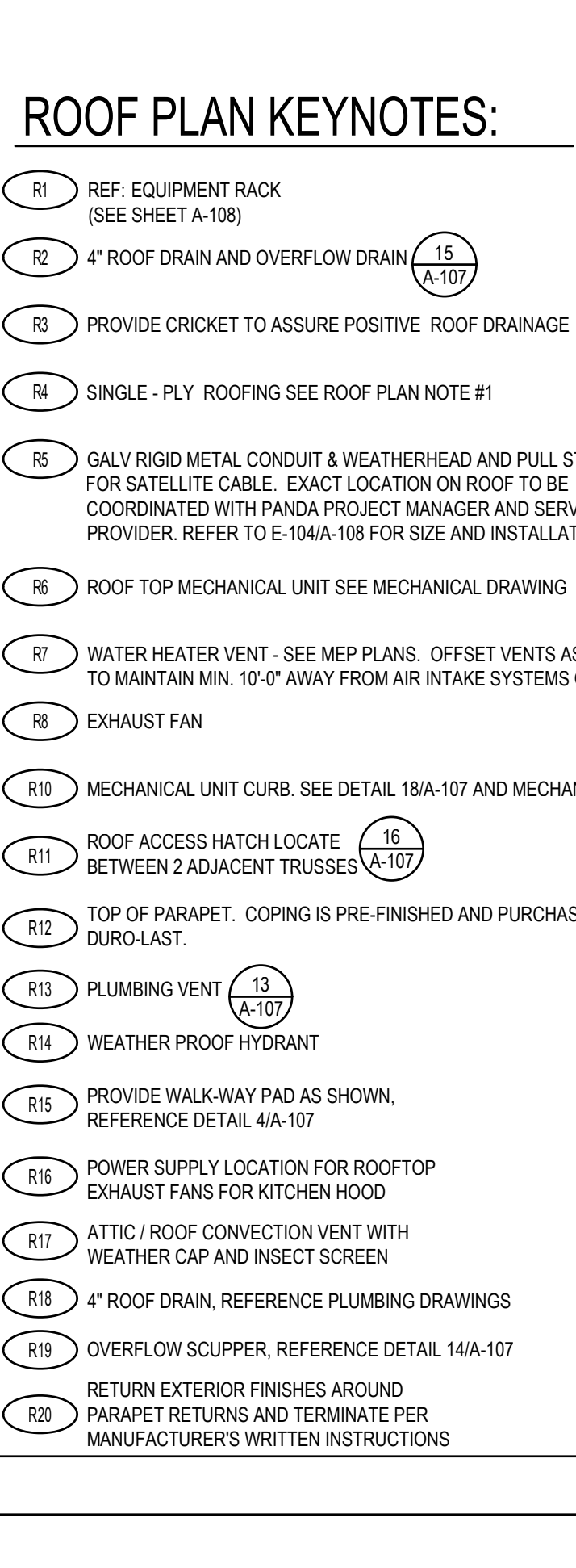
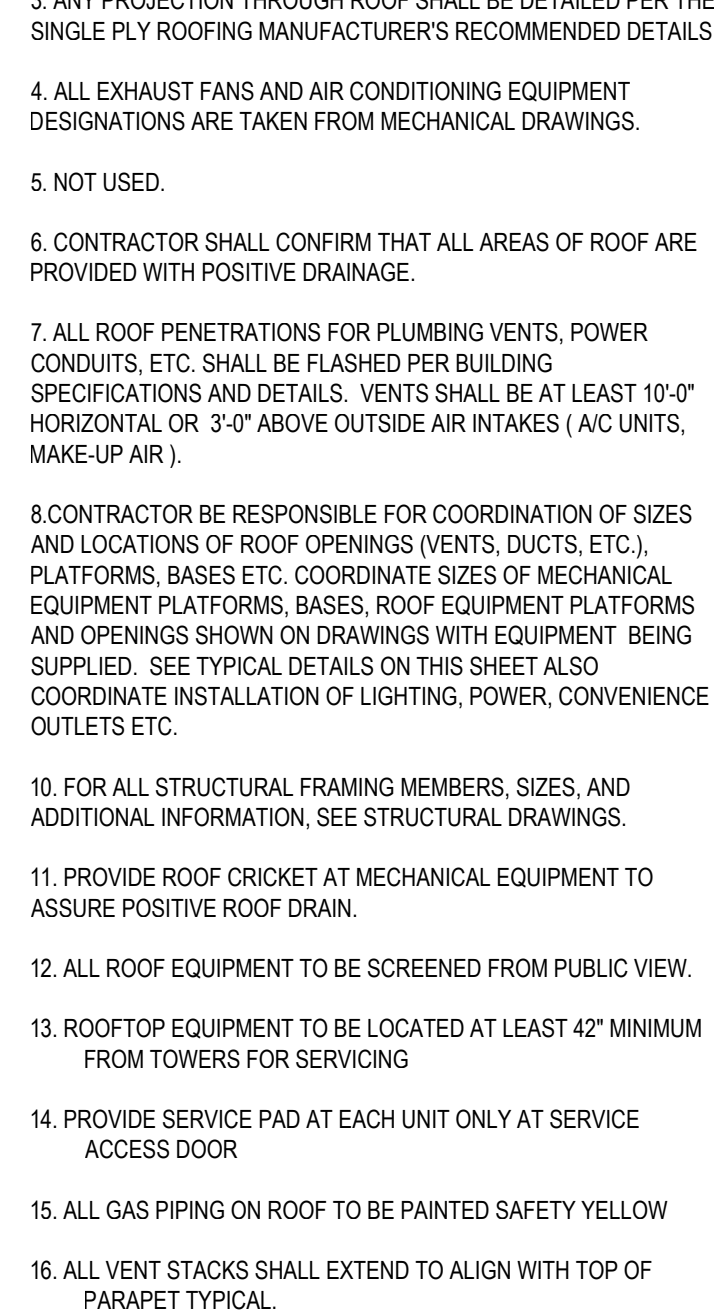
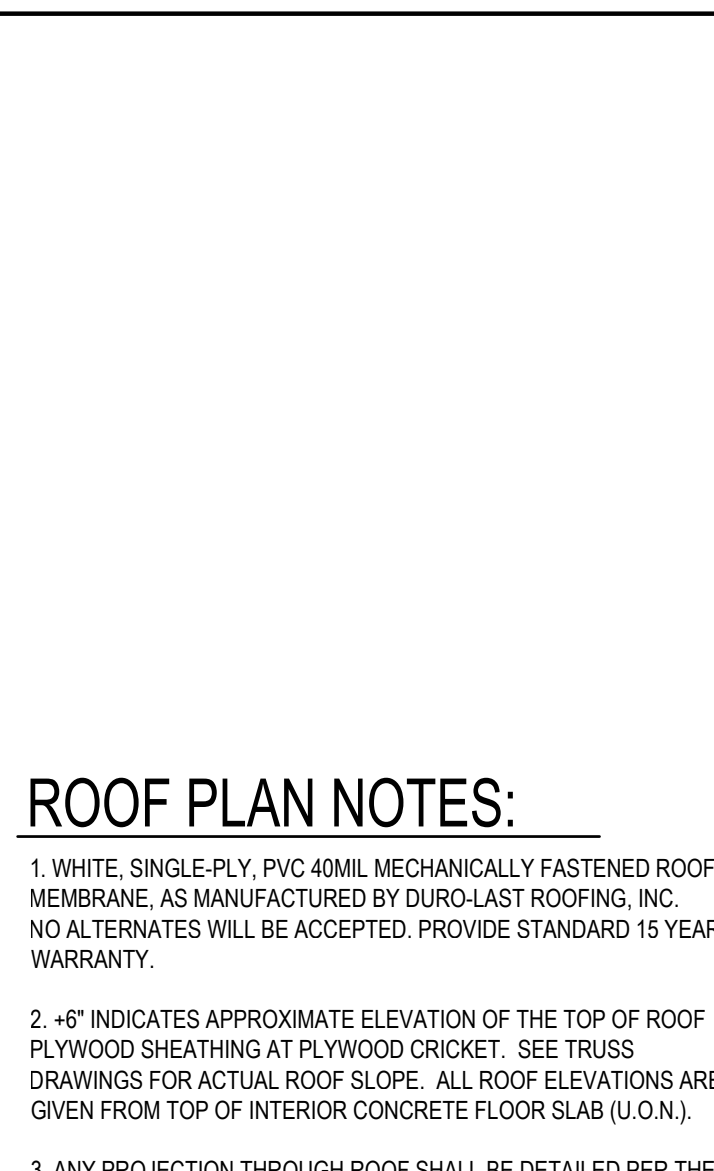
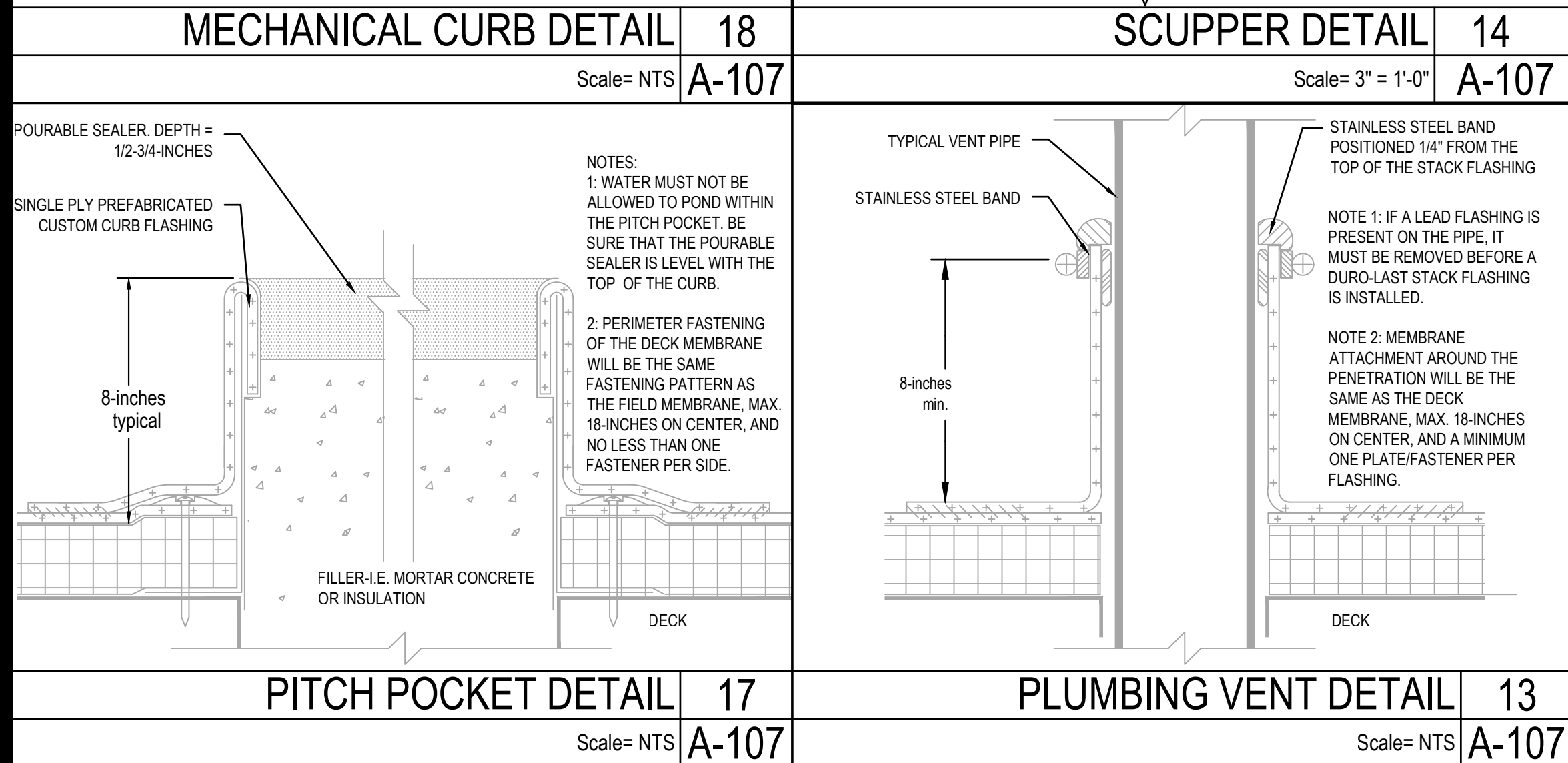
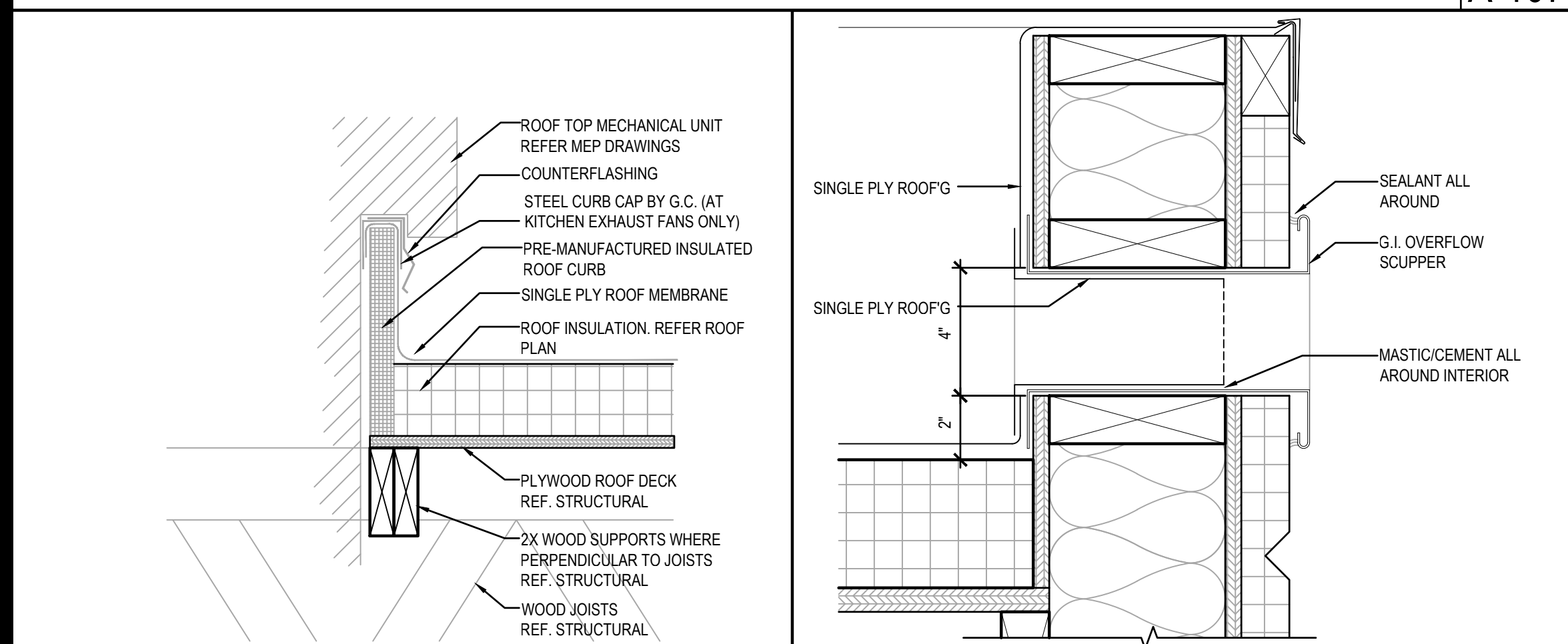
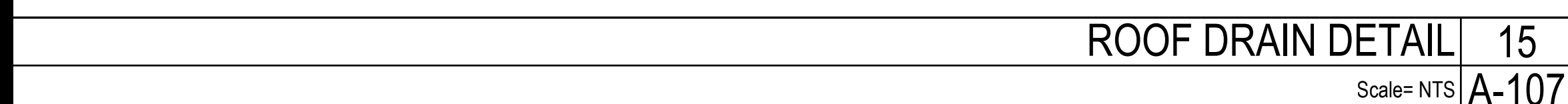
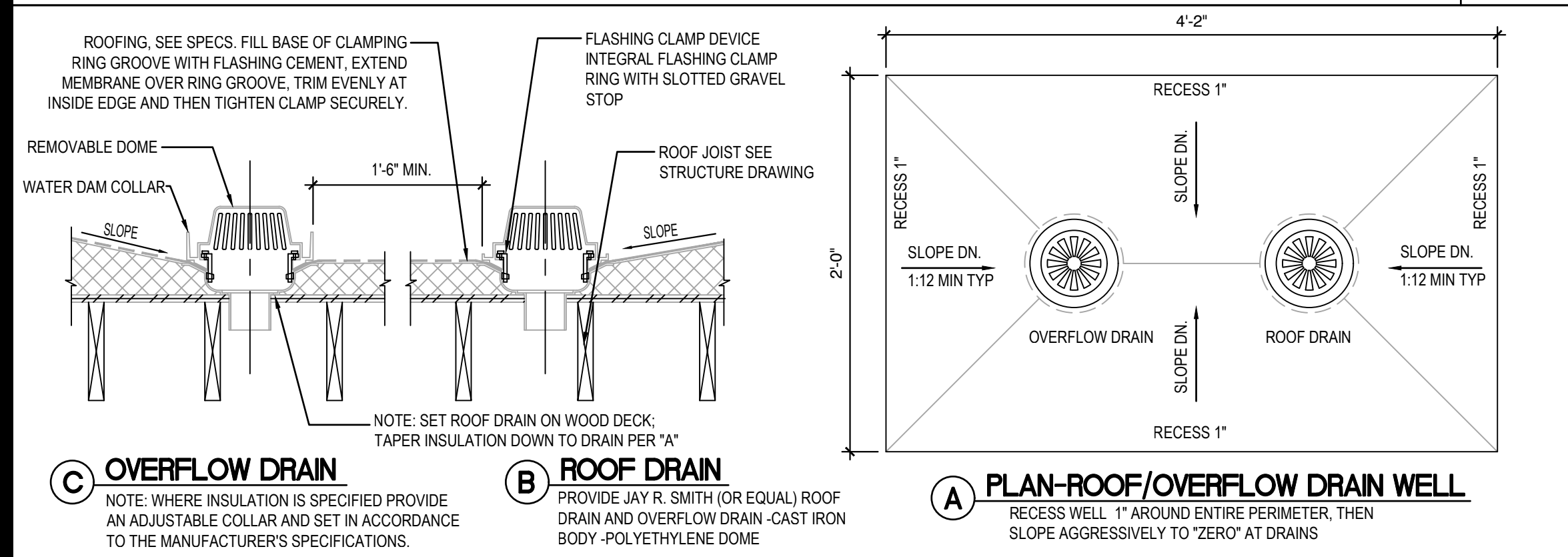
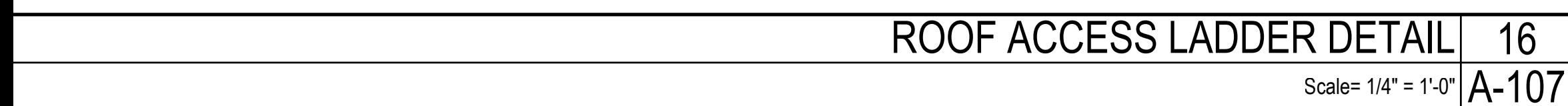
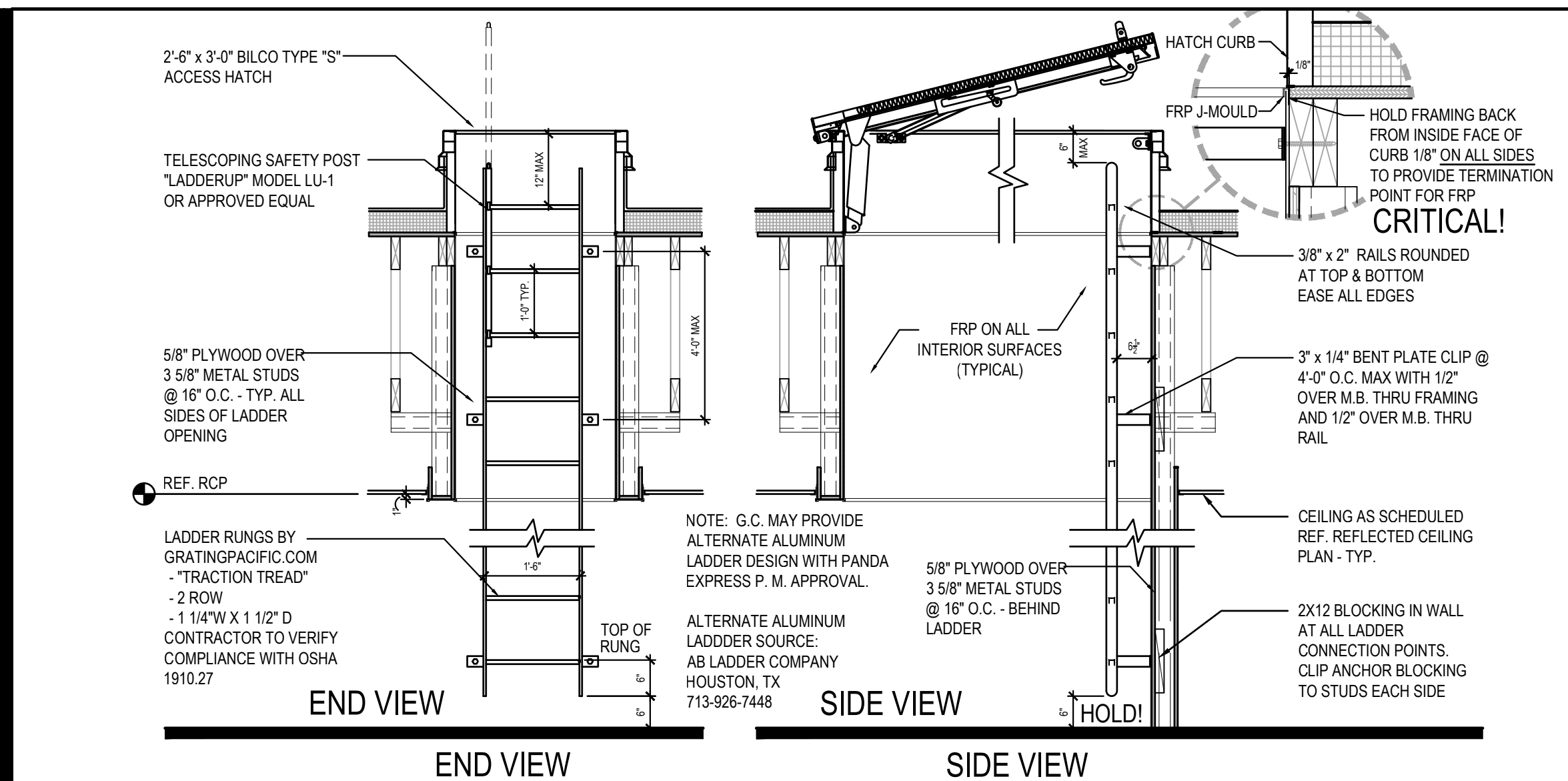
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2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

A-105

REFLECTED CEILING PLAN



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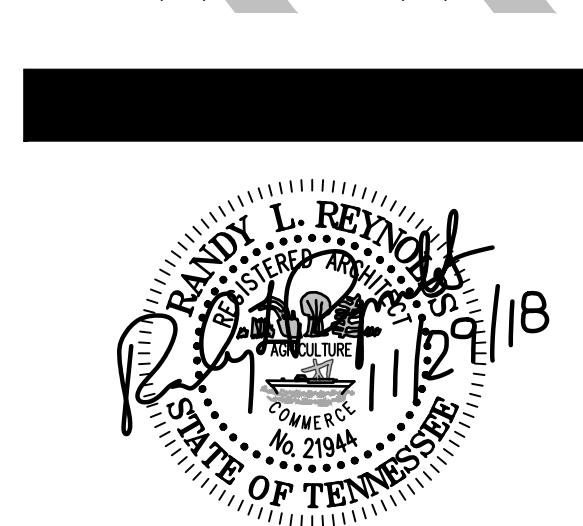
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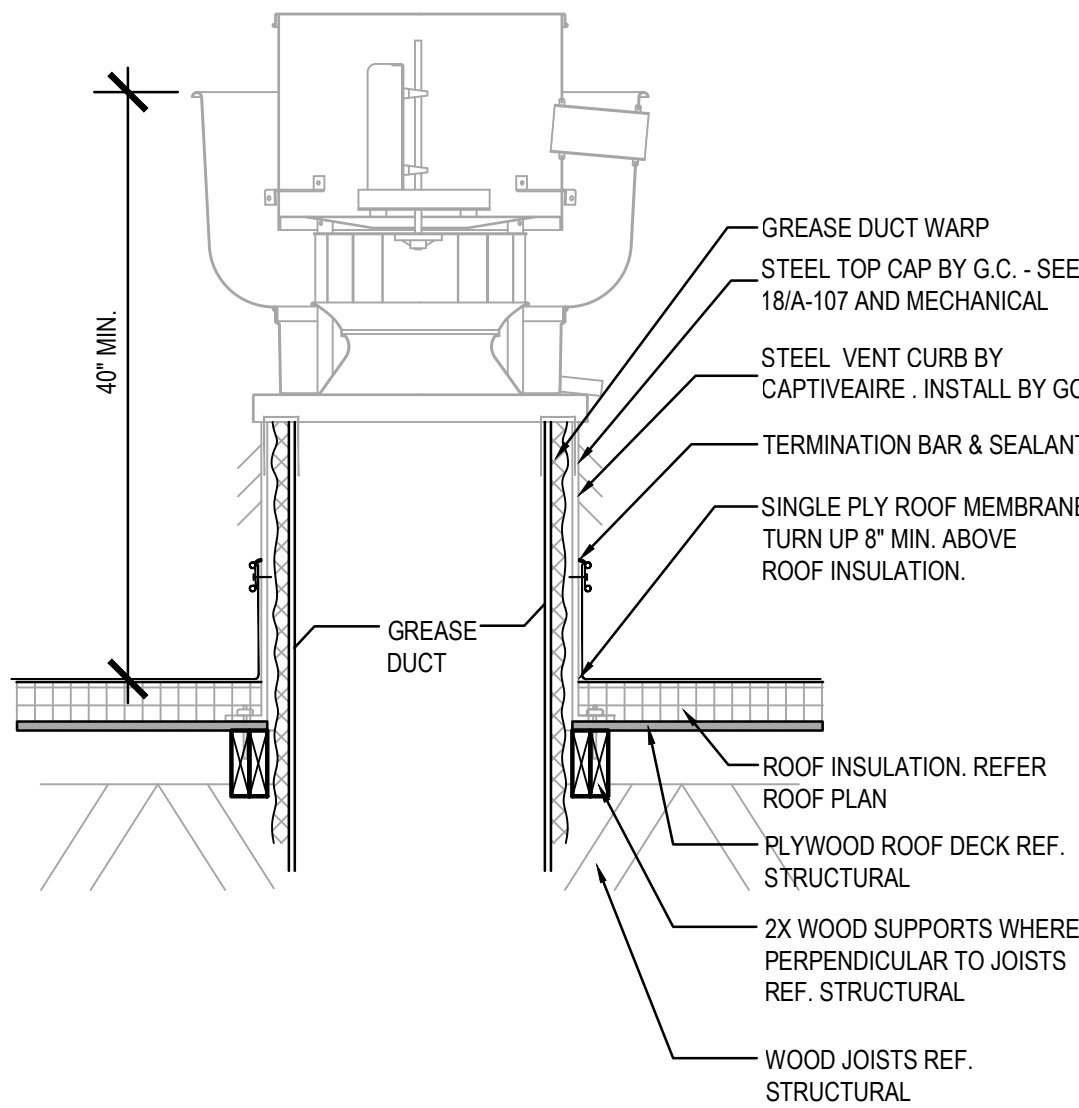
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A-107

ROOF PLAN

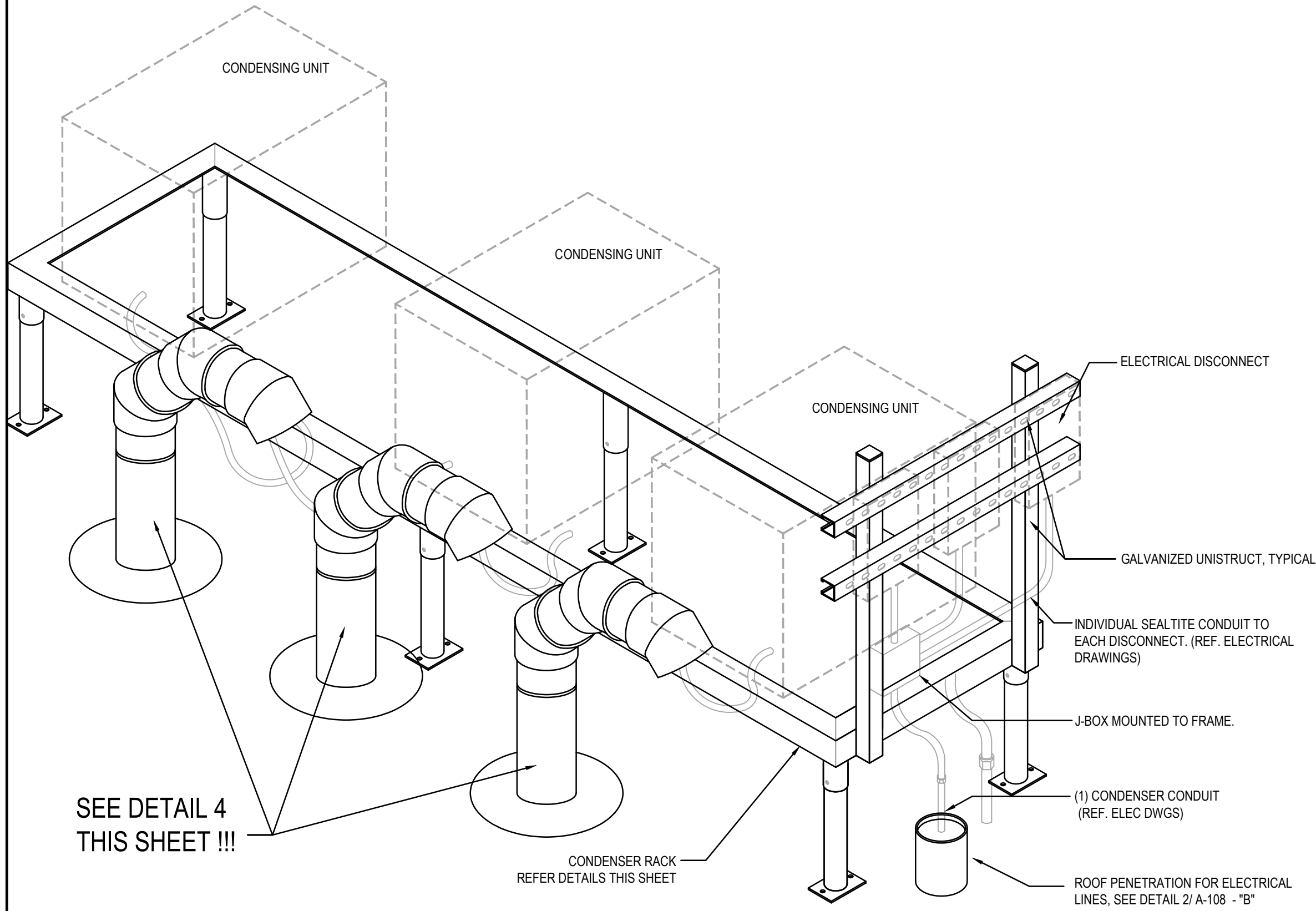


ROOF EXHAUST FAN

5

Scale= 1/4" = 1'-0"

A-108

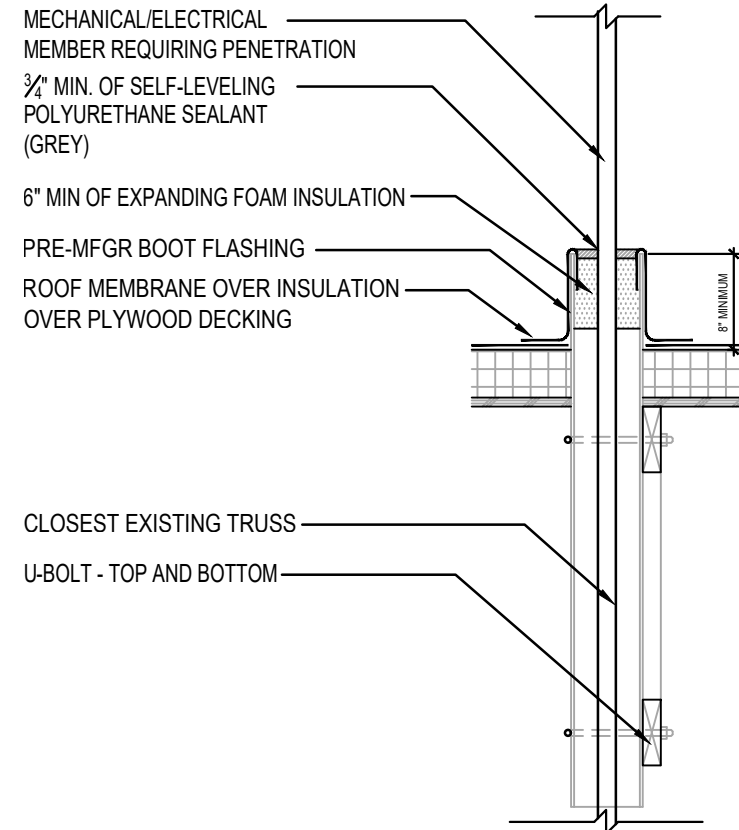


CONDENSER RACK ISOMETRIC

3

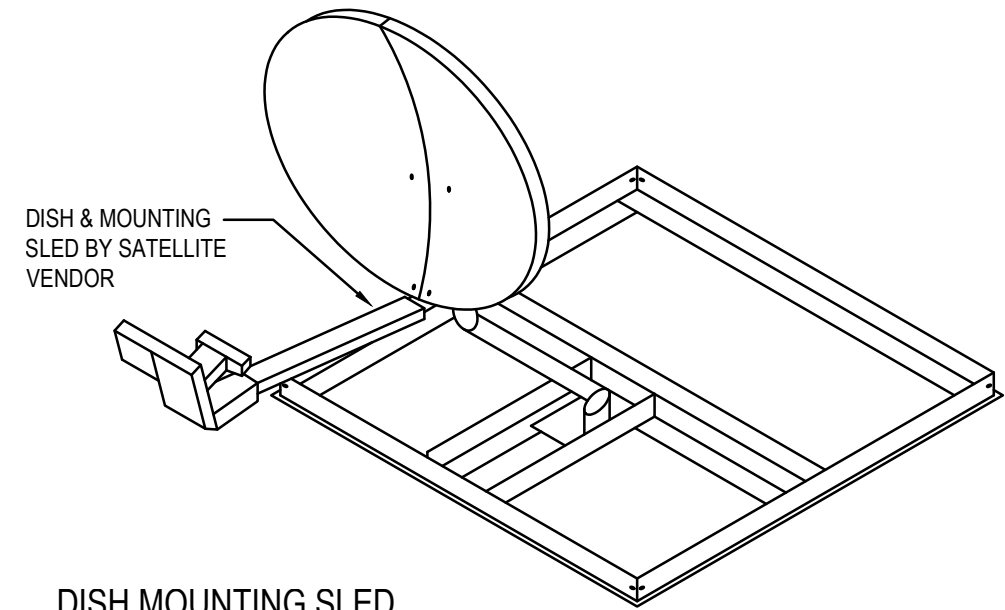
Scale= 3/4" = 1'-0"

A-108

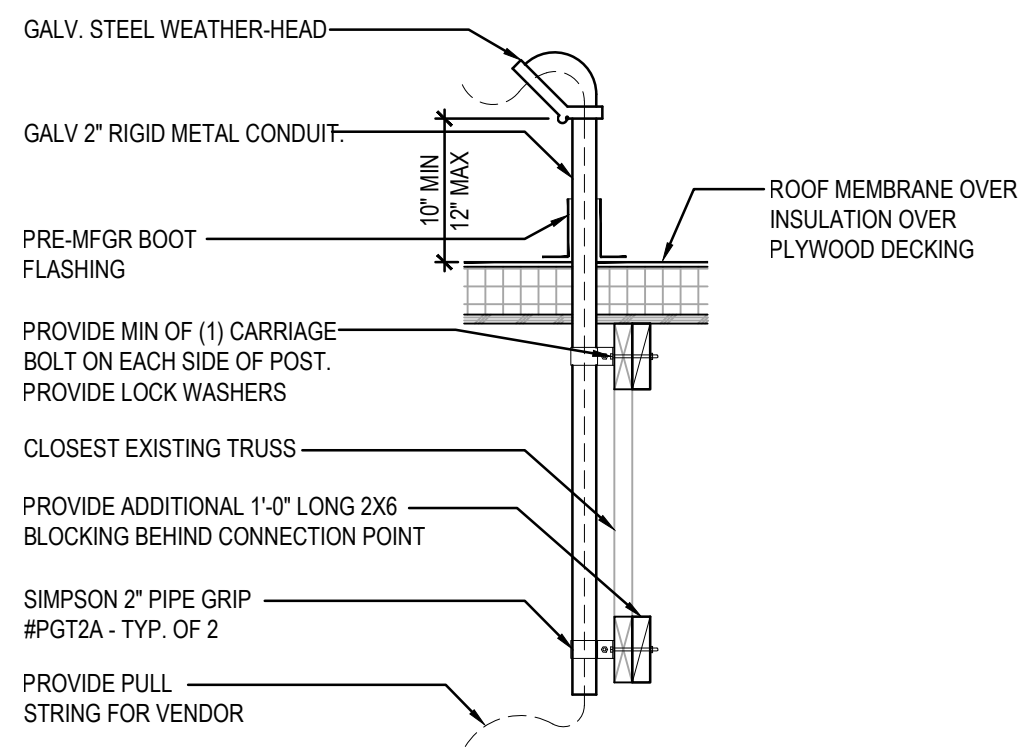


CONDITION "B" - AT CONDENSER ELECTRICAL LINES

(VERIFY WITH PANDA P.M. ON THIS DETAIL OR ONLY DUROLAST PRE-MAN BOOT)



DISH MOUNTING SLED



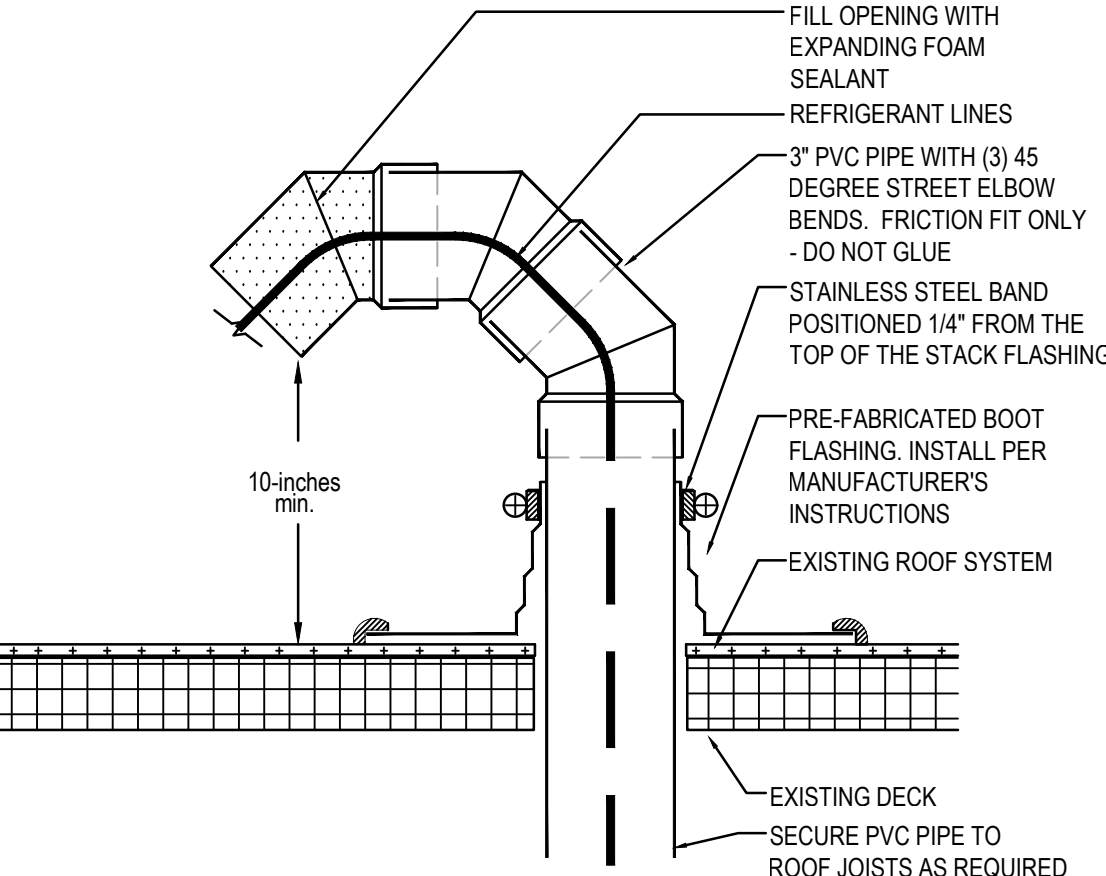
CONDITION "A" - ABOVE MANAGERS STATION

ROOF PENETRATION DETAIL AT REF. / ELEC. LINES AND SATELLITE DISH

2

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

A-108

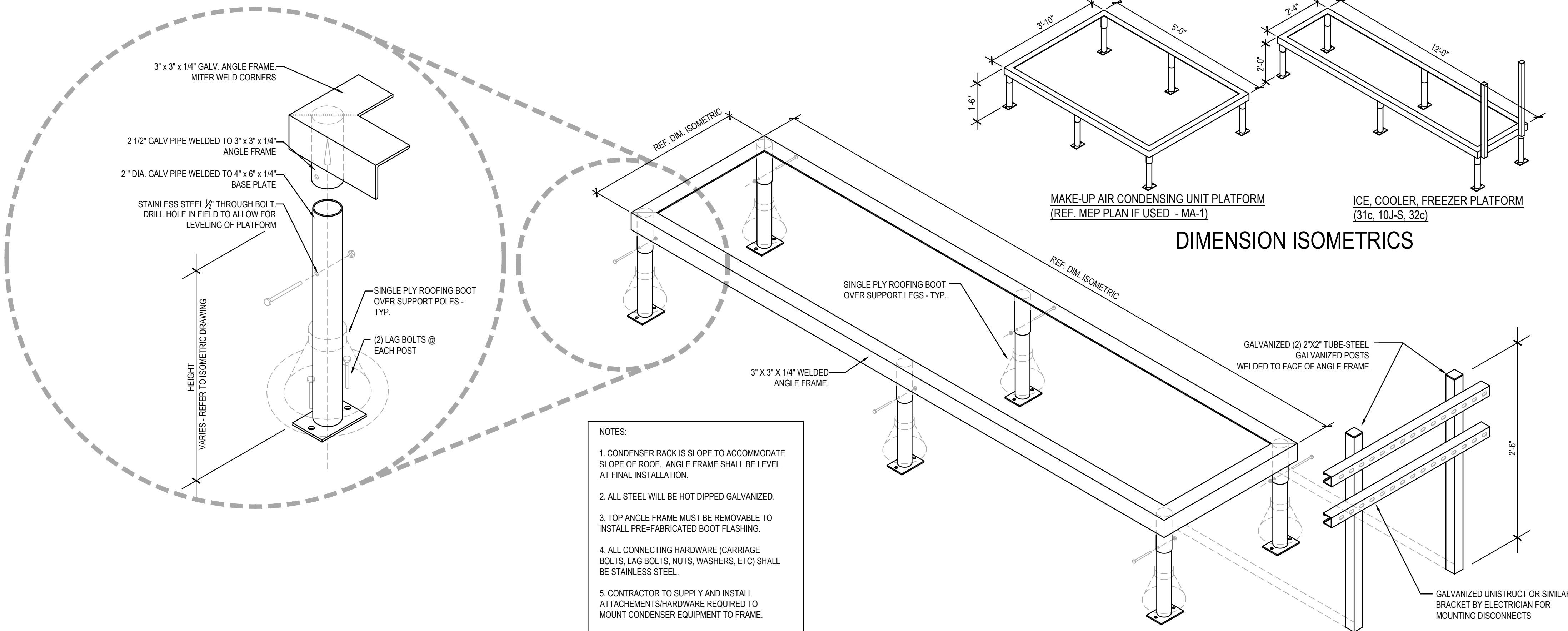


PVC ROOF PENETRATION

4

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

A-108



- NOTES:
- CONDENSER RACK IS SLOPE TO ACCOMMODATE SLOPE OF ROOF. ANGLE FRAME SHALL BE LEVEL AT FINAL INSTALLATION.
 - ALL STEEL WILL BE HOT DIPPED GALVANIZED.
 - TOP ANGLE FRAME MUST BE REMOVABLE TO INSTALL PRE-FABRICATED BOOT FLASHING.
 - ALL CONNECTING HARDWARE (CARRIAGE BOLTS, LAG BOLTS, NUTS, WASHERS, ETC) SHALL BE STAINLESS STEEL.
 - CONTRACTOR TO SUPPLY AND INSTALL ATTACHMENTS/HARDWARE REQUIRED TO MOUNT CONDENSER EQUIPMENT TO FRAME.
 - UNISTRUCT SHALL BE GALVANIZED

FREEZER / COOLER / ICE MAKER CONDENSER RACK DETAILS

1

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

A-108



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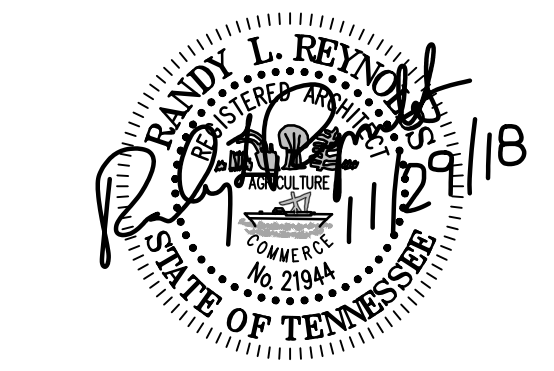
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NASHVILLE, TN 37214

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A-108

CONDENSER RACK
DETAIL

Item Code	Type	Material	L x W x H
T-A1a	LIVE EDGE 4'-0"	WALNUT	4'-0" L X 28" W X 2" THICK
T-A1b	LIVE EDGE 6'-0"	WALNUT	6'-0" L X 28" W X 2" THICK
T-A1c	LIVE EDGE 8'-0"	WALNUT	8'-0" L X 28" W X 2" THICK
T-A1d	LIVE EDGE 10'-0"	WALNUT	10'-0" L X 28" W X 2" THICK
T-B1a	2 TOP TABLE	QUARTZ - TETON BEIGE	21" L X 24" W
T-B1b	4 TOP TABLE	QUARTZ - TETON BEIGE	24" L X 48" W
T-B1c	4 TOP TABLE ADA	QUARTZ - TETON BEIGE	30" L X 48" W
T-B2a	ROUND TABLE 42"	QUARTZ	42" DIAMETER
T-C1a	2 TOP SEATEE	LAMINATE W/ METAL EDGE OILED WALNUT	21" L X 24" W
T-C1b	4 TOP SEATEE	LAMINATE W/ METAL EDGE OILED WALNUT	48" L X 24" W
T-C2a	ROUND TABLE 24" DIA	LAMINATE W/ METAL EDGE OILED WALNUT	24" DIAMETER
T-C2b	ROUND TABLE 30" DIA	LAMINATE W/ METAL EDGE OILED WALNUT	30" DIAMETER

C-A1a	SINGLE BOOTH- 41"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	41" L X 34 1/8" H
C-A1b	SINGLE BOOTH- 47"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	47" L X 34 1/8" H
C-A1c	SINGLE BOOTH- 59"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	59" L X 34 1/8" H
C-A1d	BOOTH BACK TO BACK- 47"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	47" L X 34 1/8" H
C-A1e	BOOTH BACK TO BACK- 41"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	41" L X 34 1/8" H
C-A1f	BOOTH BACK TO BACK- 59"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	59" L X 34 1/8" H

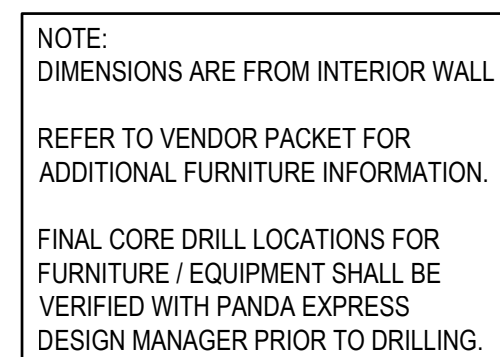
B-51a	1-BEAM BASE 34" H	HOT ROLL STEEL W/ LOW GLOSS CLEAR COAT	PANDA VENDOR	FOR 34" H TABLE
B-52a	3' FREE STANDING CRISS CROSS		PANDA VENDOR	FOR 30" ROUND TABLE
B-52b	3' FREE STANDING CRISS CROSS		PANDA VENDOR	FOR 21" X 24" TABLE
B-53a	3' BOLT DOWN		PANDA VENDOR	FOR 30" H TABLE
B-54a	3" CORE DRILL		PANDA VENDOR	FOR 30" H TABLE
B-55a	SIT DOWN BASE		PANDA VENDOR	FOR 34" H LEDGE TABLE
B-B1	SPECIAL BRACKETS		PANDA VENDOR	FOR MODESTY PANEL

F-A1	TRASH BIN	TETON BEIGE / OILED WALNUT	PANDA VENDOR	20" L X 22" W
F-A2a	TRASH BIN W/ LEFT BROOM HOLDER	TETON BEIGE / OILED WALNUT	PANDA VENDOR	20" L X 27" W
F-A2b	TRASH BIN W/ RIGHT BROOM HOLDER	TETON BEIGE / OILED WALNUT	PANDA VENDOR	20" L X 27" W
F-B1	TRASH LINER W/ CASTERS		PANDA VENDOR	
F-C1a	LEFT BROOM HOLDER	OILED WALNUT	PANDA VENDOR	
F-C1b	RIGHT BROOM HOLDER	OILED WALNUT	PANDA VENDOR	

L-A1	LOW WALL 3' - 6"	OILED WALNUT HORIZONTAL GRAIN	PANDA VENDOR	3'-6" L X 34 1/8" H
L-A2	LOW WALL 8' - 0"	OILED WALNUT HORIZONTAL GRAIN	PANDA VENDOR	8'-0" L X 34 1/8" H

Item Code	Type	Material		L x W x H
WALNUT PALLET				
C1n	YARDBIRD DINING CHAIR	WALNUT	PANDA VENDOR	18" H
C2jB	CHOM CHOM COUNTER STOOL	WALNUT	PANDA VENDOR	22" H
OAK PALLET				
C1d1	PANDA DINING CHAIR W/ BACK	OAK	PANDA VENDOR	18" H
C2j2	PANDA COUNTER STOOL- NO BACK	OAK (PREFERRED STOOL)	PANDA VENDOR	22" H
C2g	PANDA COUNTER STOOL W/ BACK	OAK (OPTIONAL)	PANDA VENDOR	22" H

FURNITURE SCHEDULE	3
Scale= NTS	A-10



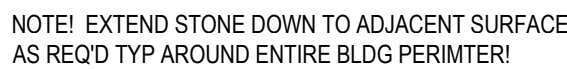
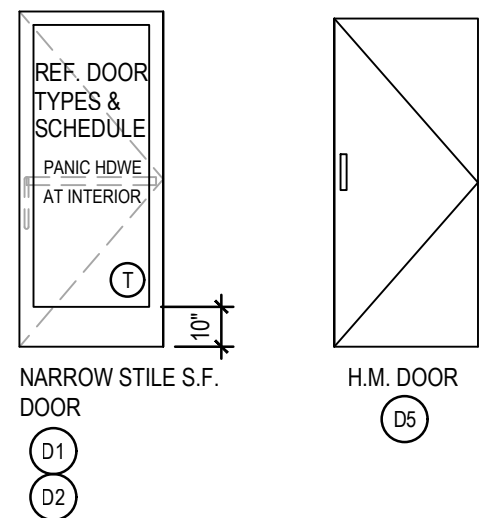
04-20-18

* NOTE: CANOPIES AND ACCESSORIES COME PRE-FINISHED FROM GREENHECK, COLOR "PANDA BRONZE" # SRSR 47307

NOT

1. INSTALLING GLASS-PSU SOLARBURN BLOW E: WINTER GLASS 5% SHGC, 0.39 UV TRANS, 83% UV ENERGY
2. DOORS: FULL GLAZED DOORS W/10" KICK BASE, COLOR DARK GLAZED AND ANODIZED ALUM FINISH. REFER HARDWARE SCHEDULE.
3. WINDOW DIMENSIONS ARE FOR RIDGING PURPOSES ONLY. G.C. TO VERIFY ACTUAL WINDOW DIMENSIONS PRIOR TO FABRICATION/INSTALLATION.
4. GLASS FACADE AND ENTRY DOORS TO BE DESIGNED, DETAILED, FACTORY FABRICATED AND SITE INSTALLED AND ERECTED.
5. MANUFACTURER: QUIK-SERV. MODEL SC-40395-1P WITH THRU-BEAM WITH PHOTO-ELECTRIC BAR. FURNISH WITH CHF-25 HEATED AIR CURTAIN.
6. WINDOW SYSTEM SHALL COMPLY WITH APPLICABLE SECTION AND CHAPTER OF BUILDING CODE.

TEMPERED GLASS



Scale= 1/4" = 1'-0" | A-200

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REVISIONS:

ISSUE DATE:

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

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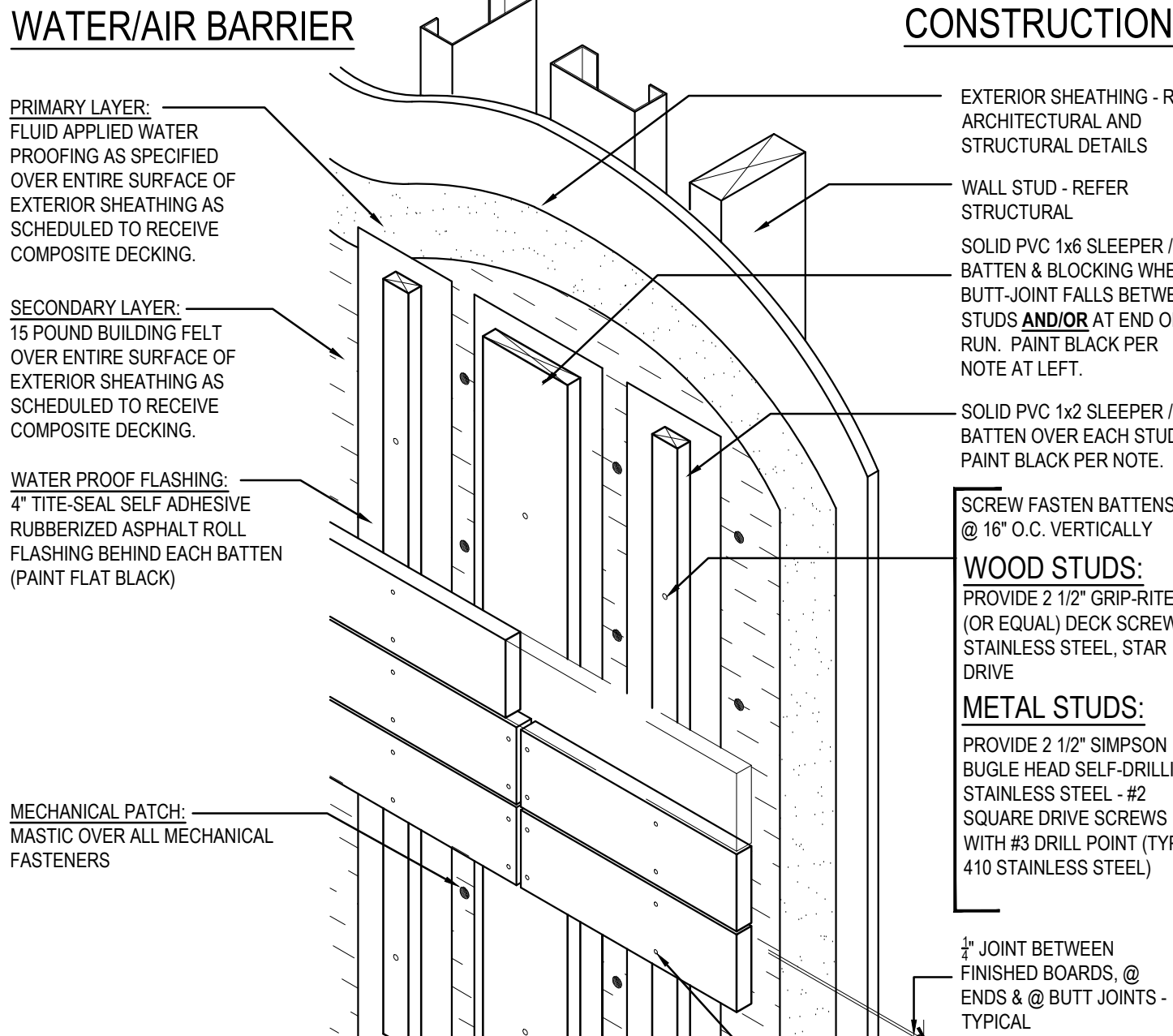
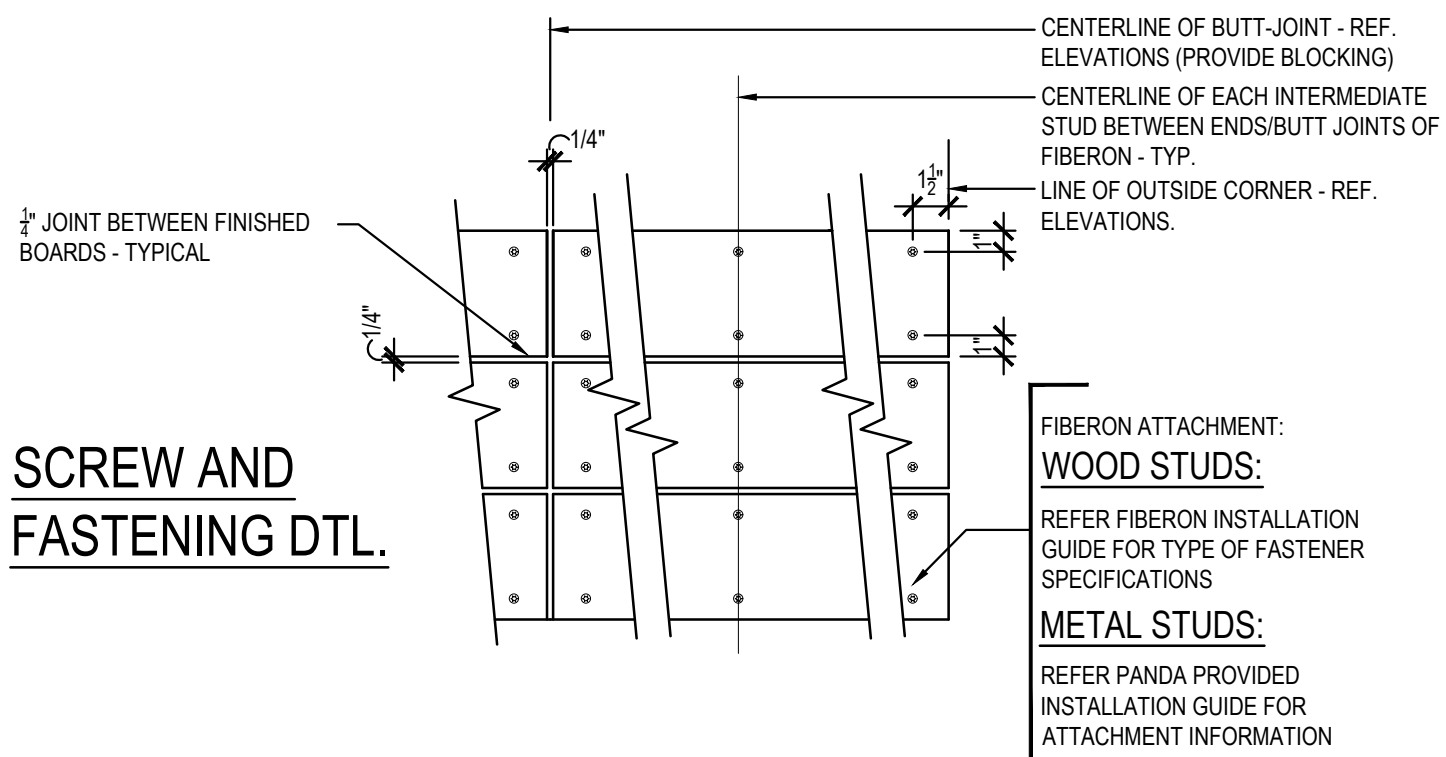
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ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

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A-200

EXTERIOR ELEVATIONS

Scale= 1/4" = 1'-0" | A-200



NOTE !!!

ALL SLEEPER / BATTENS AND ALL MATERIALS MATERIALS BEHIND THE COMPOSITE DECKING SHALL BE PAINTED FLAT BLACK PRIOR TO INSTALLING THE COMPOSITE DECKING. USE PAINT SUITABLE FOR THIS APPLICABLE AND COMPATIBLE WITH ALL MATERIALS BEING PAINTED.

SURFACE MOUNTING FASTENING SYSTEM

COMPOSITE DECK FASTENING & WATER PROOFING DTLs

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

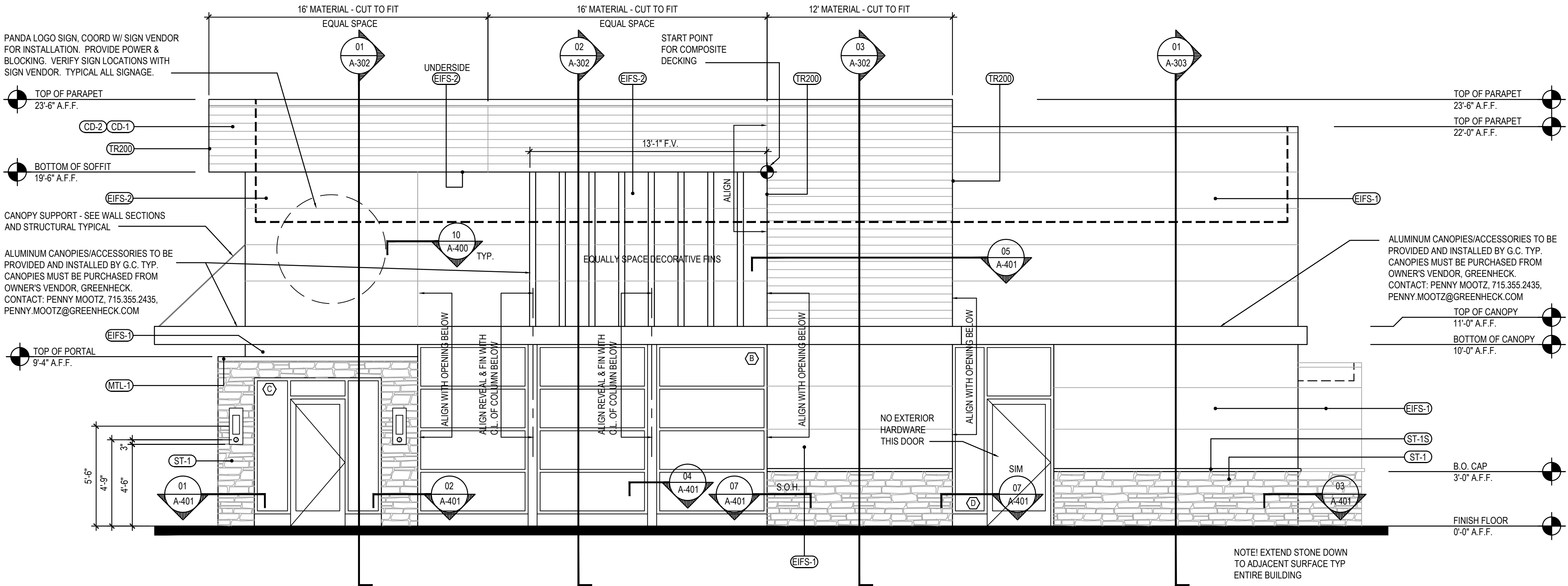
EXTERIOR FINISH SCHEDULE					
INSTALLED AND FURNISHED BY: G.C. UNLESS NOTED OTHERWISE					
NO	MANUFACTURER	MFG#	COLOR	FINISH	NOTES
EFSS-1	STO	STOTHERM ESSENCE SYSTEM	SW 6148 WOOL SHEIN	FINE	BUILDING BODY
EFSS-2	STO	STOTHERM ESSENCE SYSTEM	SW 7067 CITYSCAPE	FINE	BUILDING BODY
ST-1S	CORONADO STONE PRODUCTS	900 SERIES	#2 GREY	SMOOTH	STONE CAP (3/8" VERT. JOINT - MORTAR TO MATCH STONE CAP)
ST-1	CORONADO STONE PRODUCTS	INDUSTRIAL LEDGE	SHALE GREY	-	ENTRY PORTAL & WAINSCOT CONTACT: (EAST COAST) LISA KILGORE: 864-962-1221
CD-1	FIBERON	HORIZON	IPE	60% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	COMPOSITE DECKING - CONTACT: BILL ROSS @ 704-756-1980 EMAIL: Bill@fiberondecking.com
CD-2	FIBERON	HORIZON	TUOOR BROWN	40% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	
TR200	GREENHECK	O/S CORNER ANGLE	CUSTOM	SEE DETAIL 5 / A-401	PRE-FINISHED OUTSIDE CORNER AT ALL FIBERON
MTL-1	EXCEPTIONAL METALS (DURALAST)	-	"PANDA EXPRESS IRON ORE"	-	METAL CAP FLASHING

*NOTE: CANOPIES AND ACCESSORIES COME PRE-FINISHED FROM GREENHECK. COLOR "PANDA BRONZE" # SRSL 47307

WINDOW SCHEDULE					
INSTALLED AND FURNISHED BY: G.C. UNLESS NOTED OTHERWISE					
SYM	WIDTH	HEIGHT	GLASS	FRAME	REMARKS
A	17'-6"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM	1" INSULATED GLAZING, IN 4.5" X 2" ANODIZED ALUMINUM FRAME KAWNEER TRI-FAB 451T-IR WITH IR GLAZING SYSTEM PER NOA's
B	19'-3"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM	1" INSULATED GLAZING, IN 4.5" X 2" ANODIZED ALUMINUM FRAME KAWNEER TRI-FAB 451T-IR WITH IR GLAZING SYSTEM PER NOA's
C	7'-0"	8'-2"	1" INSULATED GLASS	DARK BRONZE ALUMINUM	1" INSULATED GLAZING, IN 4.5" X 2" ANODIZED ALUMINUM FRAME KAWNEER TRI-FAB 451T-IR WITH IR GLAZING SYSTEM PER NOA's
D	5'-7"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM	1" INSULATED GLAZING, IN 4.5" X 2" ANODIZED ALUMINUM FRAME KAWNEER TRI-FAB 451T-IR WITH IR GLAZING SYSTEM PER NOA's
E	7'-3 3/4" (TOTAL)	59 1/2"	TEMPERED GLASS	DARK BRONZE ALUMINUM	QUICK-SERV WITH HEATED AIR CURTAIN, ROUGH OPENING PER 10 / A-402. SEE ADDITIONAL NOTE # 5. CONTACT: WAYNE ARNOLD: 800-388-8307

WINDOW & EXTERIOR FINISH SCHEDULE

Scale= NONE

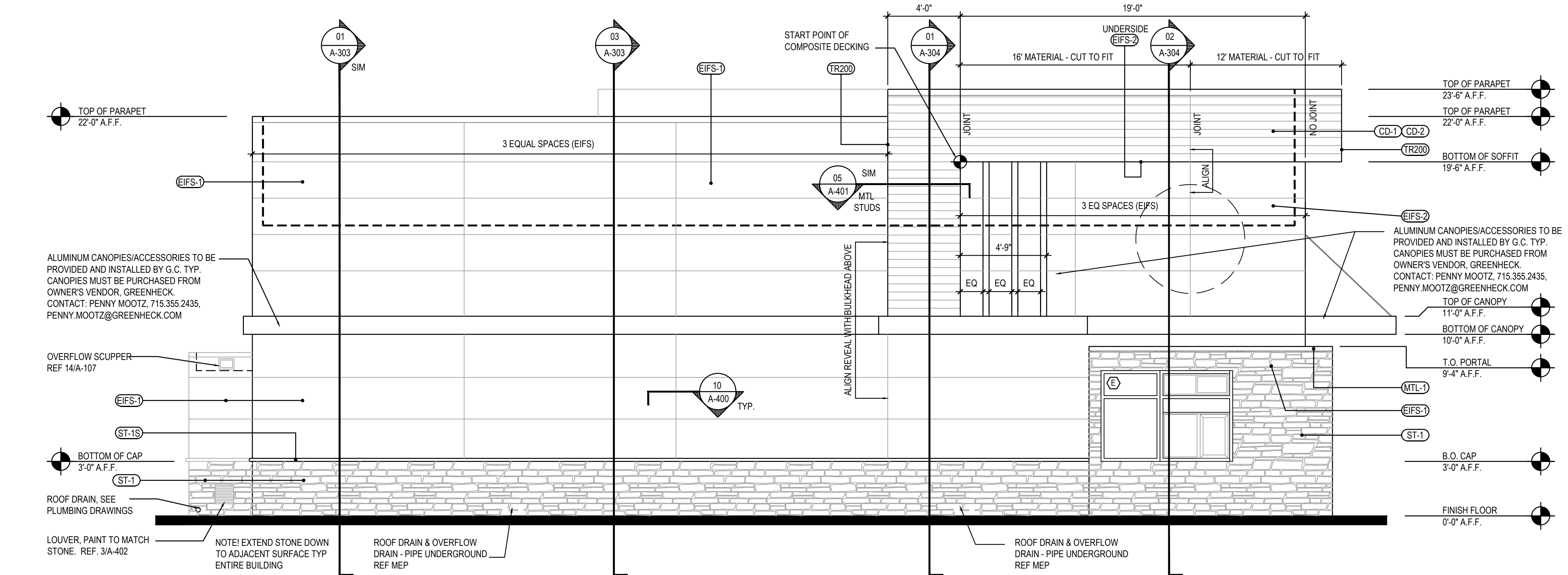


ENTRY ELEVATION

2

Scale= 1/4" = 1'-0"

A-201



DRIVE-THRU ELEVATION

1

Scale= 1/4" = 1'-0"

A-201



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ISSUE DATE:

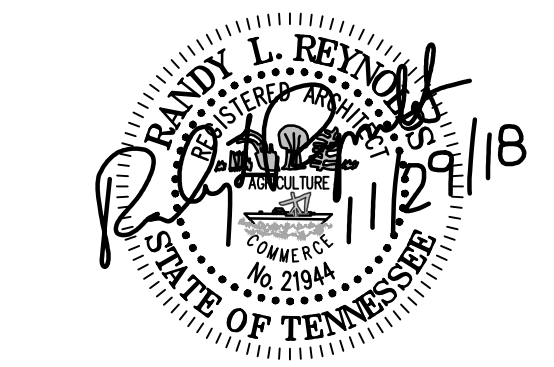
1st	ISSUE FOR PERMIT	11-30-18
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PANDA PROJECT #: S8-19-D6559
ARCH PROJECT #: 1805



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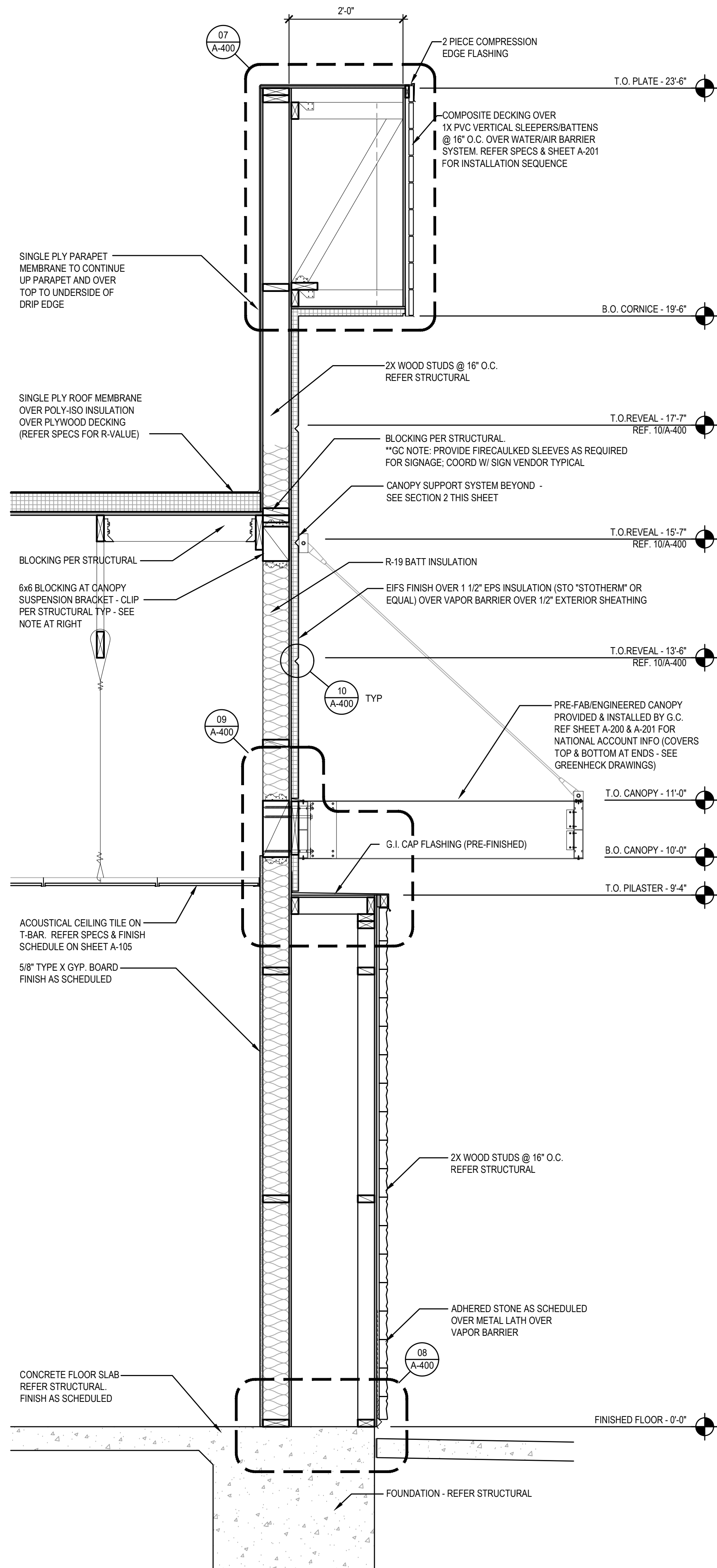


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2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

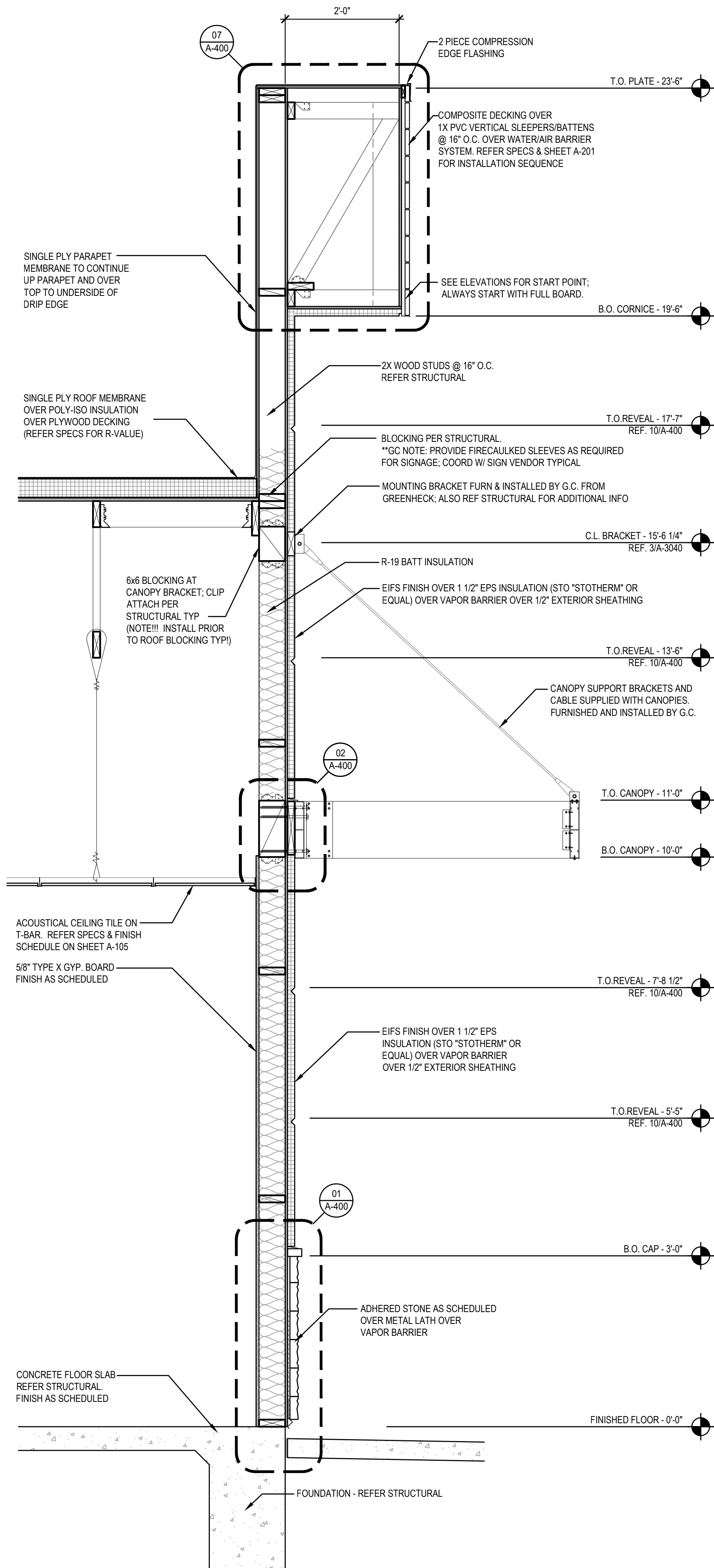
A-201

EXTERIOR ELEVATIONS



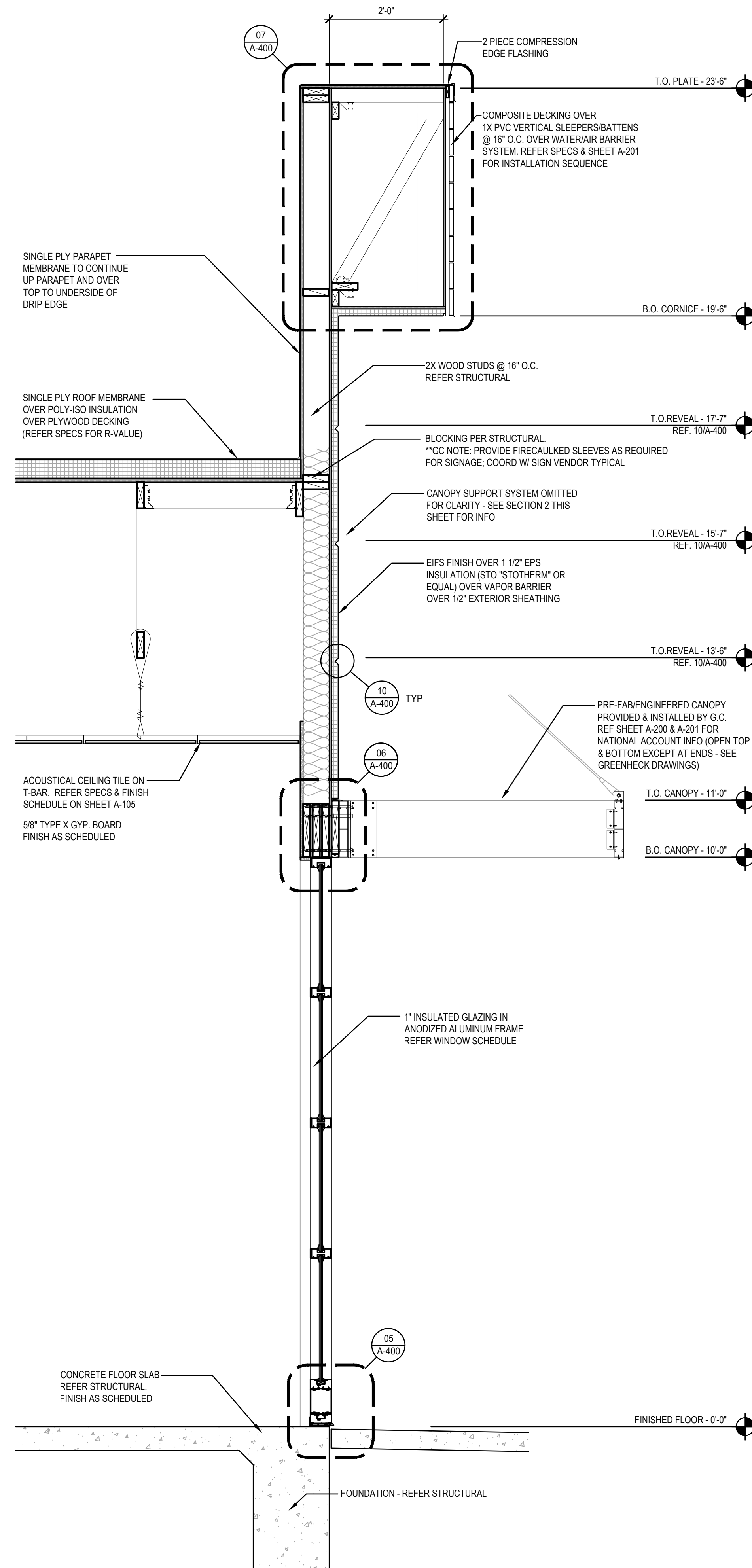
SECTION AT BUMP-OUT AT LEFT FRONT CORNER 1

Scale= 3/4" = 1'-0" A-301



SECTION AT LEFT SIDE OF FRONT WALL 2

Scale= 3/4" = 1'-0" A-301



SECTION AT RIGHT SIDE OF FRONT WALL 3

Scale= 3/4" = 1'-0" A-301



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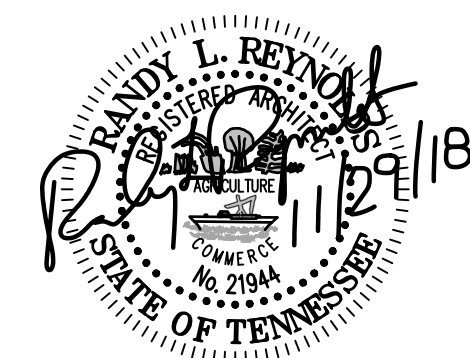
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1st	ISSUE FOR PERMIT	11-30-18

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ARCH PROJECT #: 1805

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ARCHITECT

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2740 ELM HILL PIKE
NASHVILLE, TN 37214

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A-301

WALL SECTIONS



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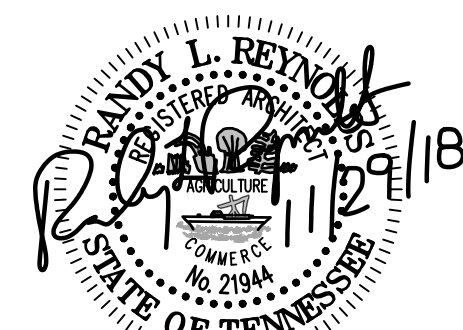
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ARCH PROJECT #: 1805

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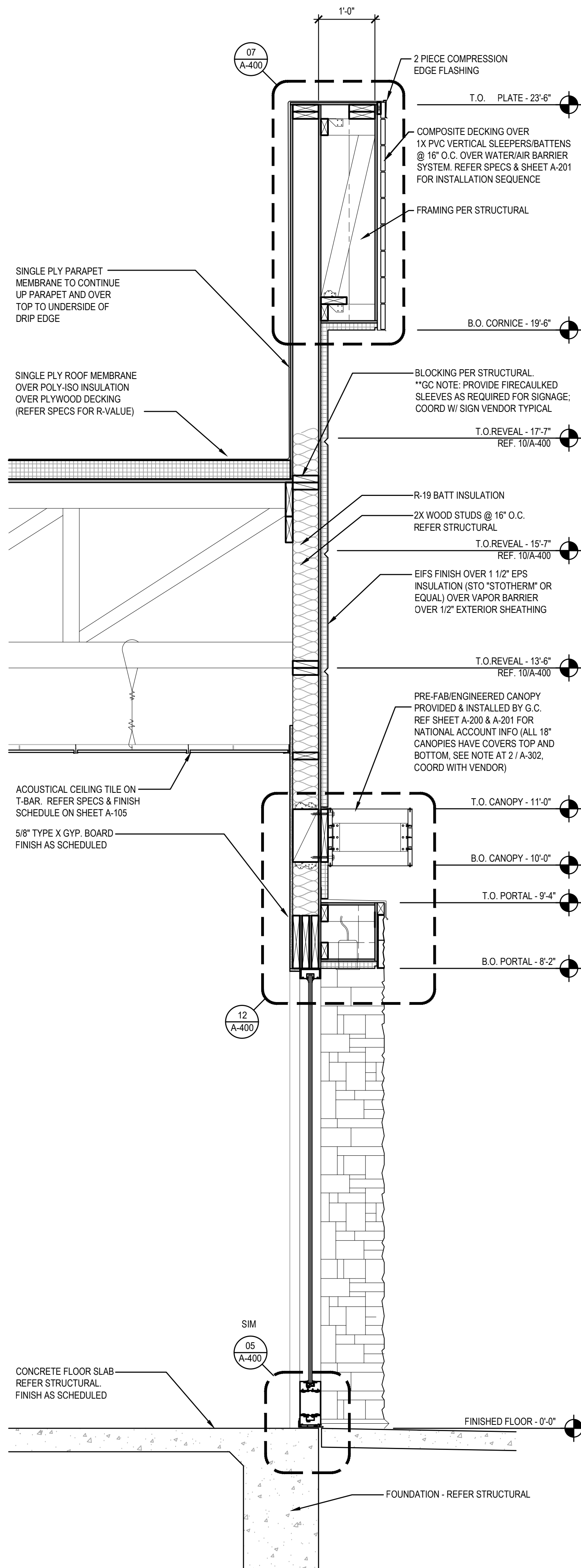


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NASHVILLE, TN 37214

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A-302

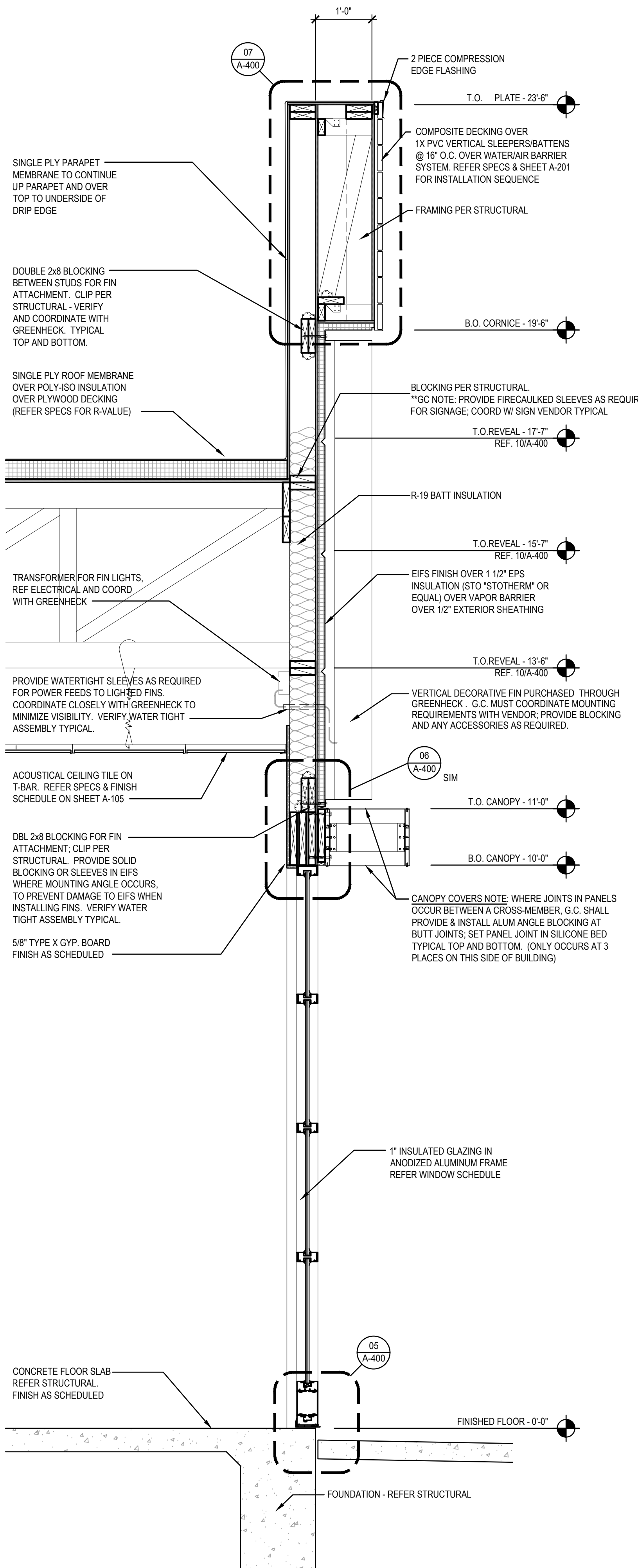
WALL SECTIONS



SECTION AT ENTRY PORTAL 1

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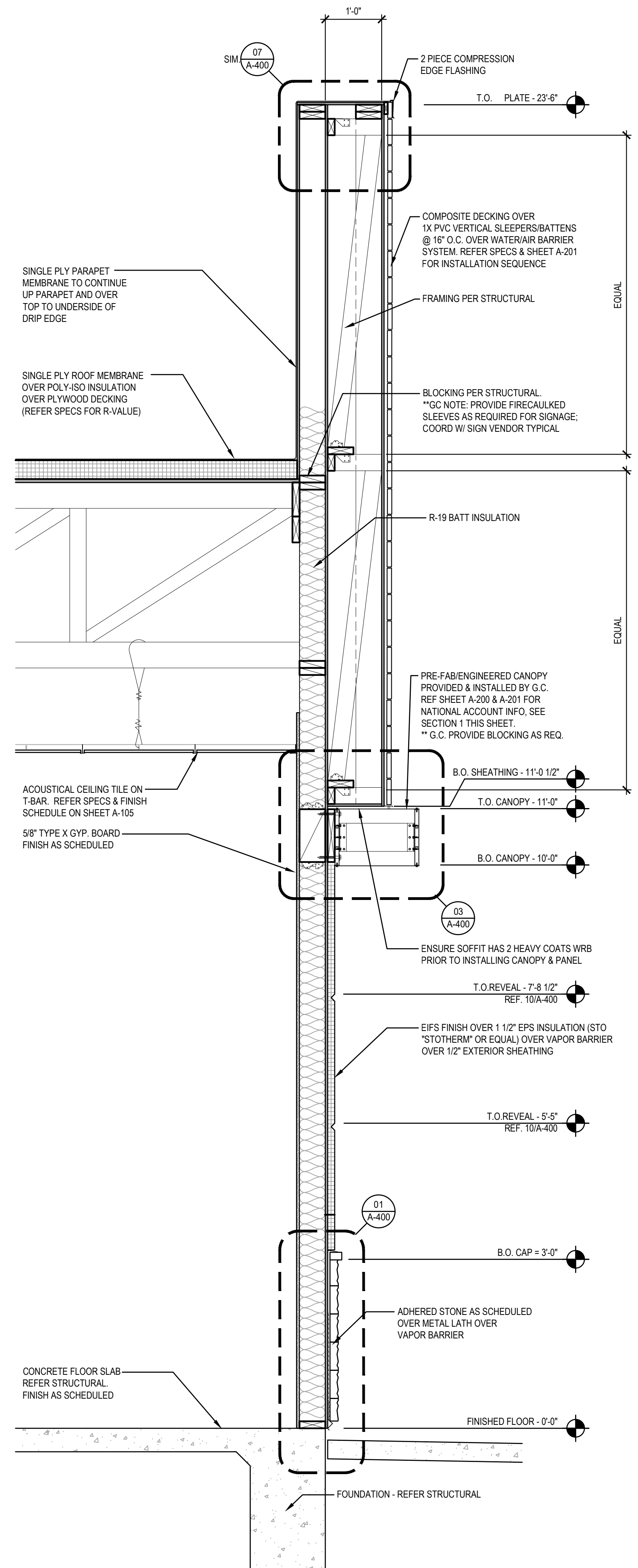
A-302



SECTION AT STOREFRONT AREA OF ENTRY SIDE 2

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

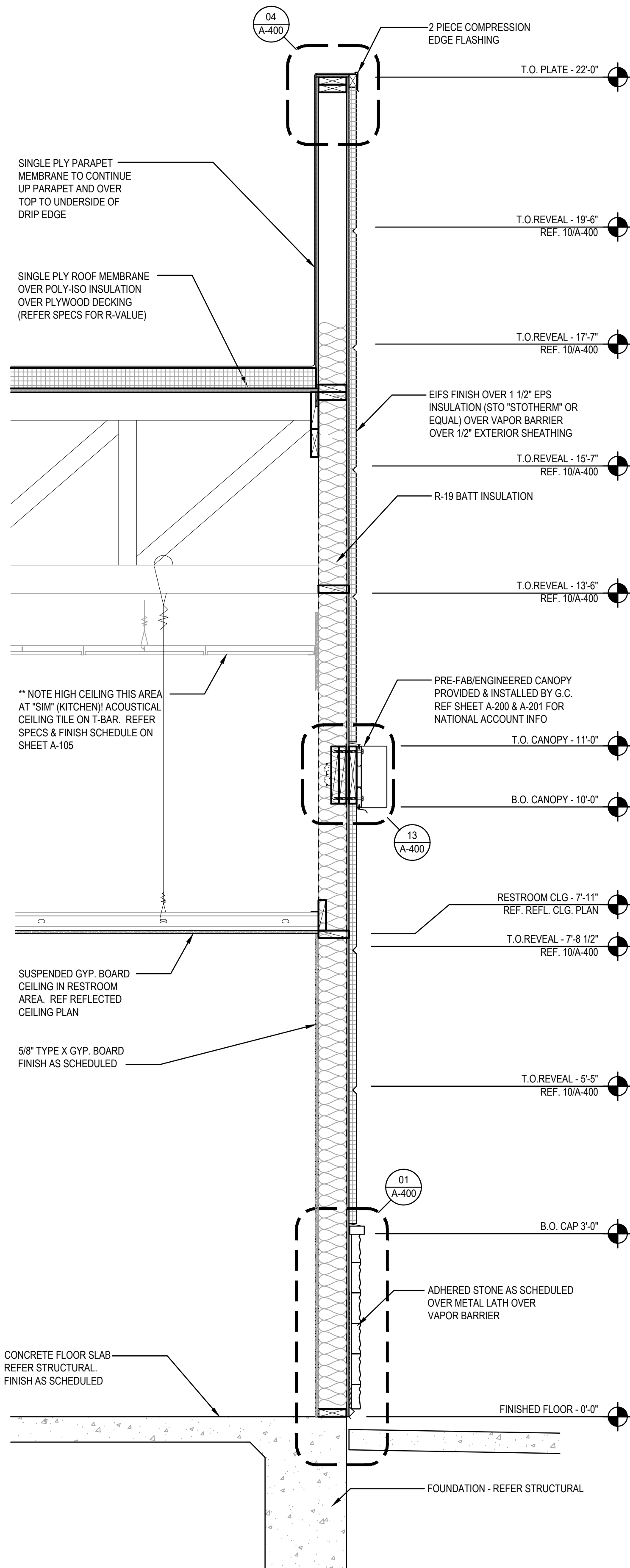
A-302



SECTION AT MIDDLE PORTION OF ENTRY WALL 3

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

A-302



SECTION AT FAR RIGHT PORTION OF ENTRY WALL

1

SIM IS AT MIDDLE PORTION OF DELIVERY WALL, AT RAISED CEILING AREA IN KITCHEN

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

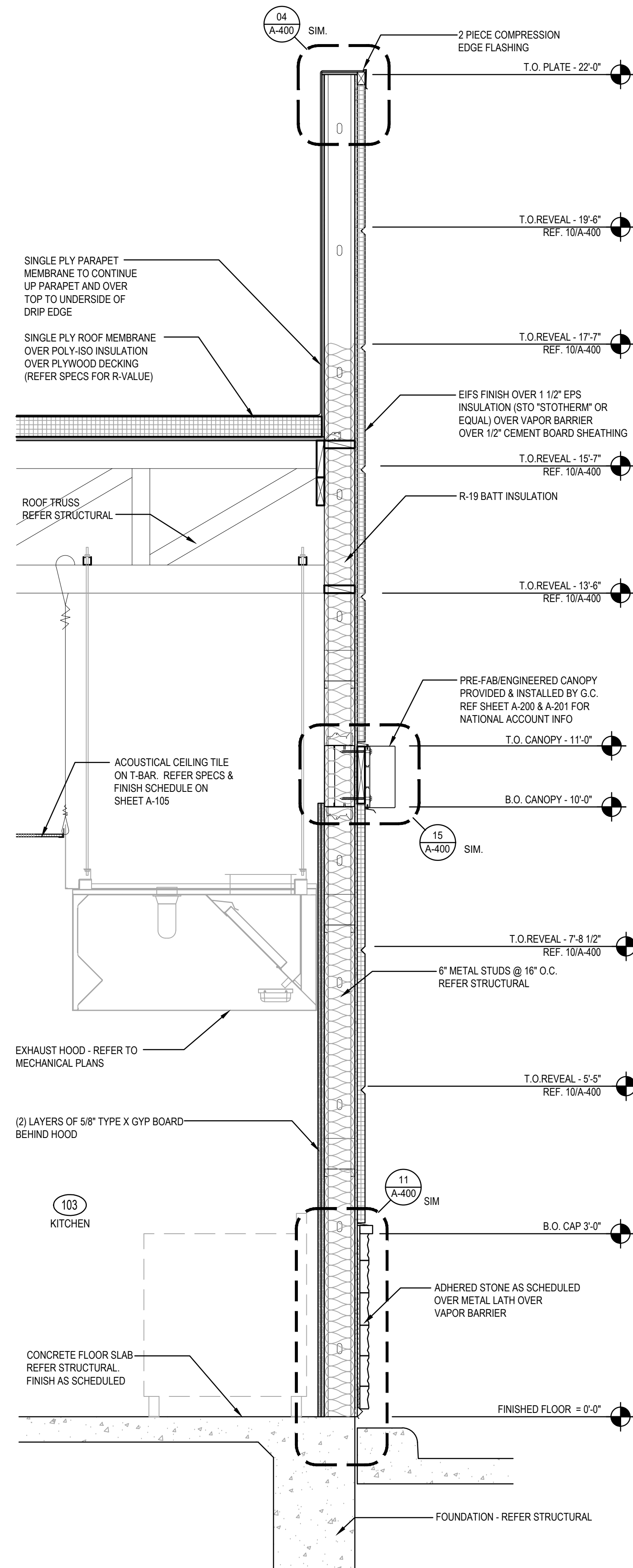
A-303

NOT USED

2

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

A-303



SECTION AT MIDDLE PORTION OF DRIVE-THRU WALL

3

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

A-303



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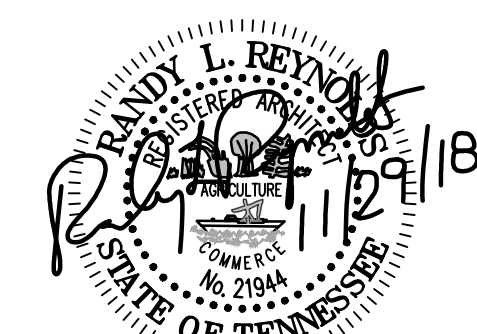
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ARCH PROJECT #: 1805

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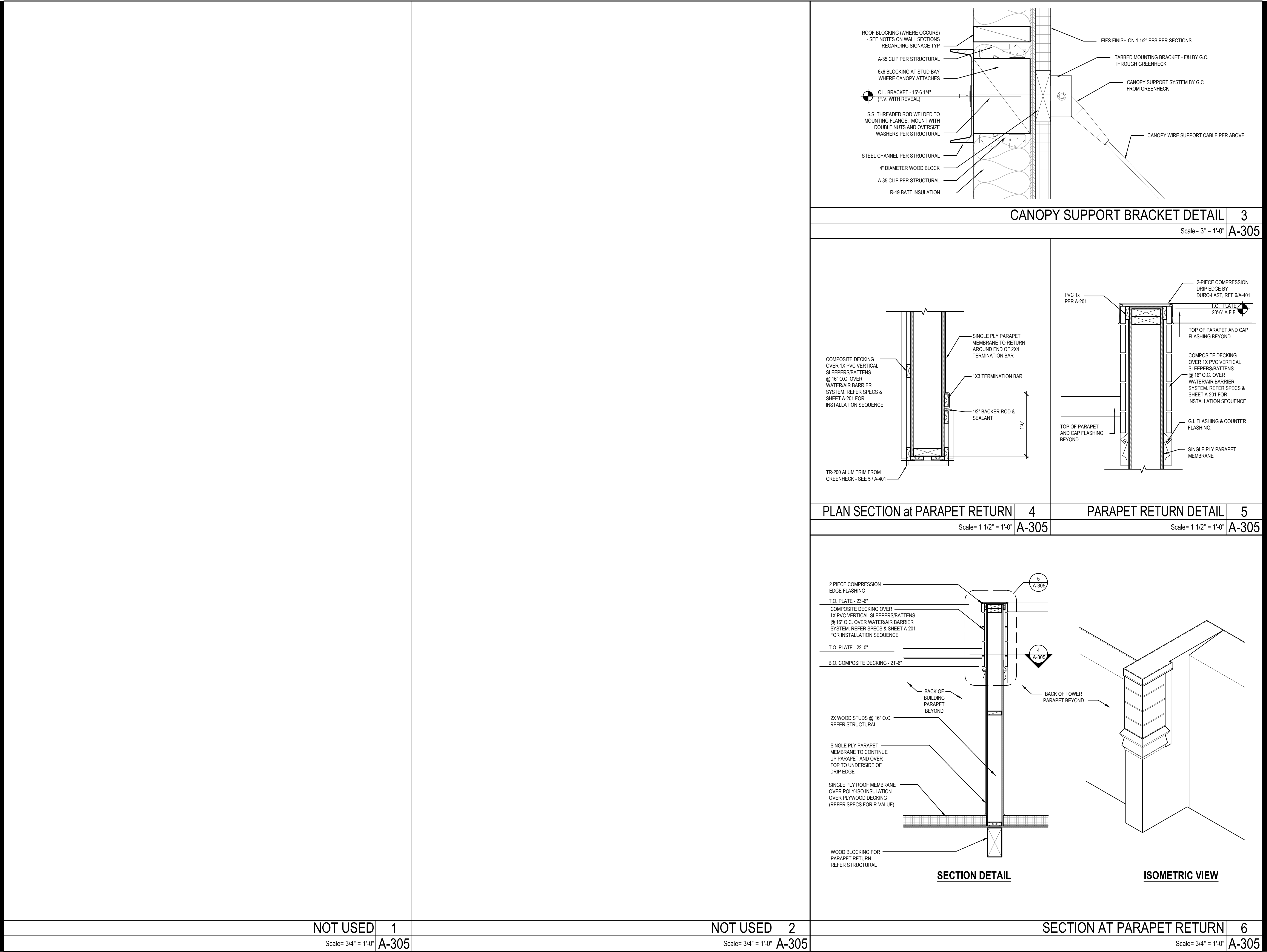
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NASHVILLE, TN 37214


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A-303

WALL SECTIONS







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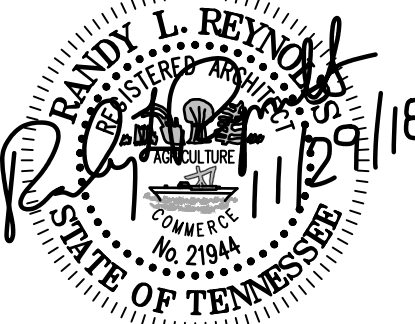
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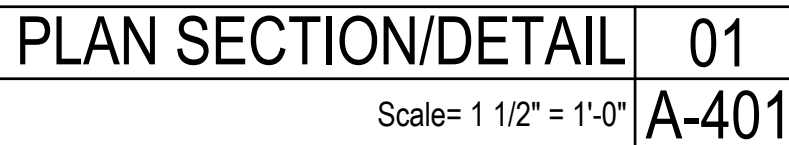
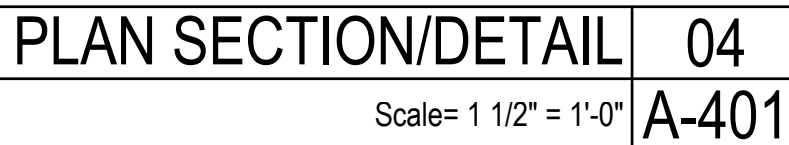
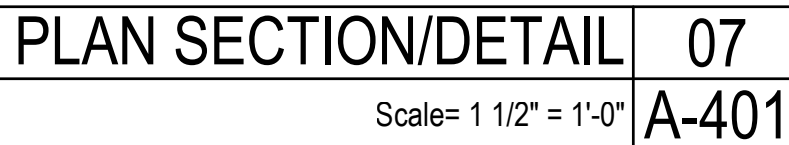
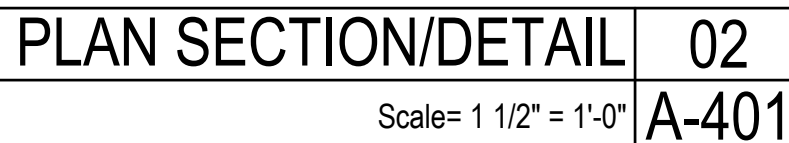
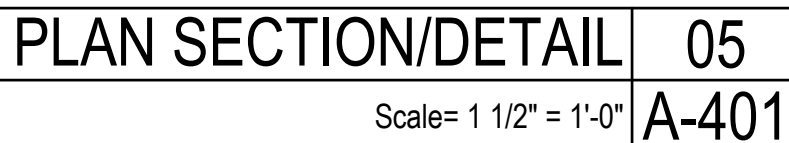
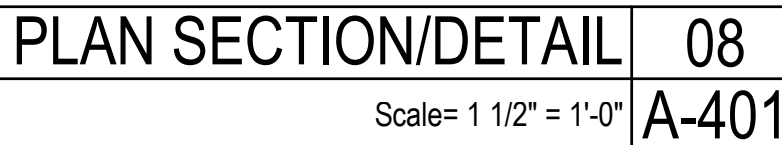
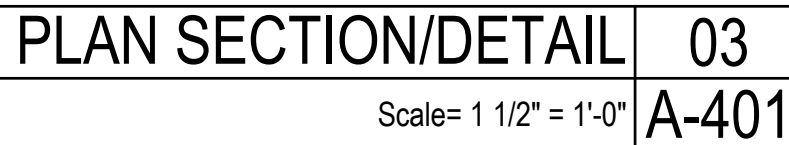
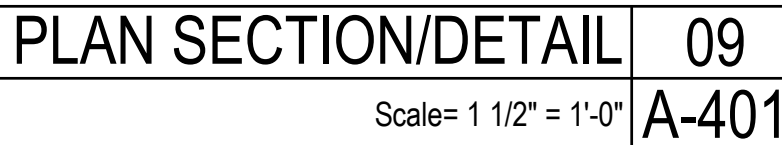
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2740 ELM HILL PIKE
NASHVILLE, TN 37214
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A-305

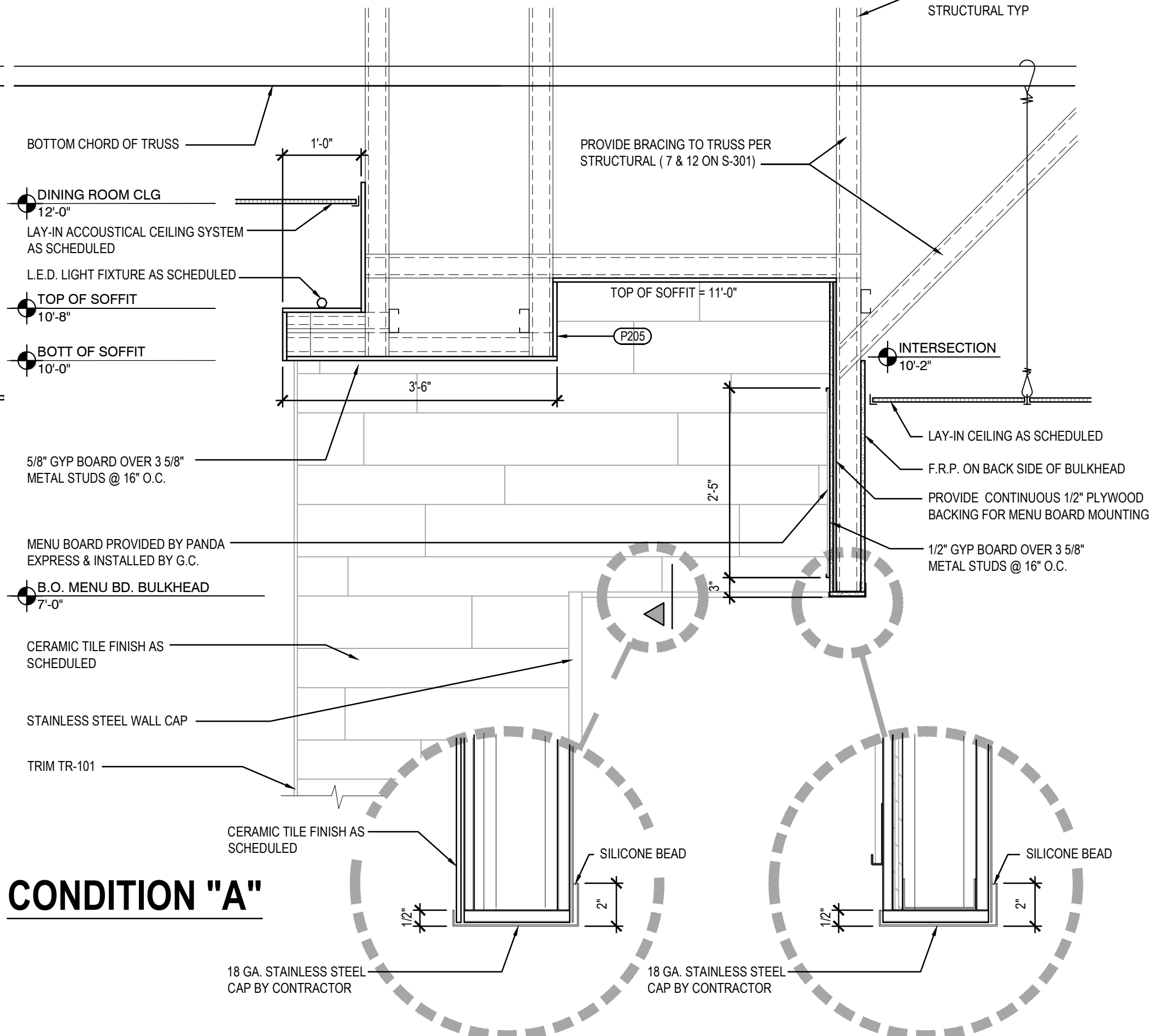
WALL SECTIONS





10

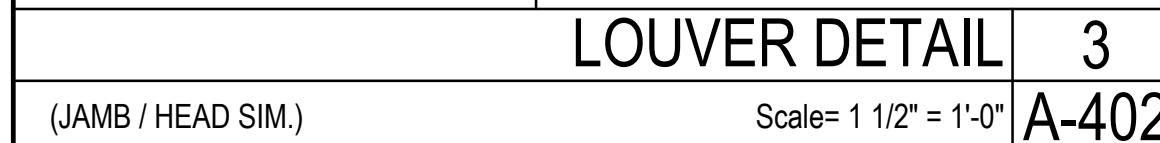
A-402



CONDITION "A"

8

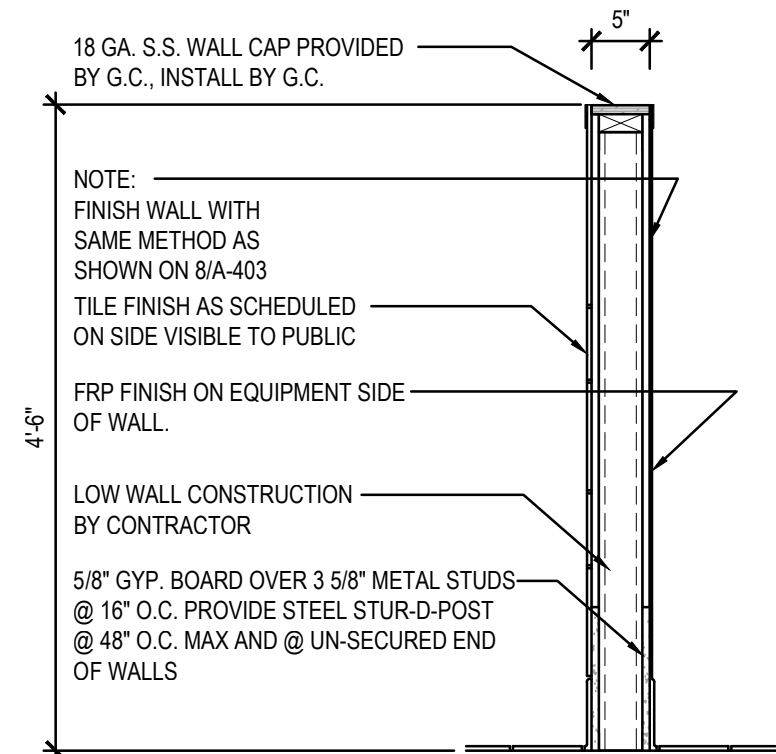
A-402



3

Scale= 1 1/2" = 1'-0" **A-402**

NOTE!!! WHERE WALL AND CAP RETURNS, LAP AND MITER CAP CORNER AT 45d, WELD AND GRIND CORNERS SMOOTH. ENTIRE CAP SHOULD APPEAR AS ONE PIECE.



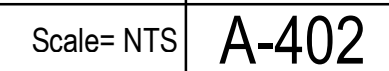
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A-402



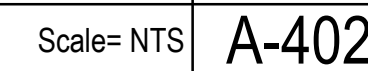
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A-40



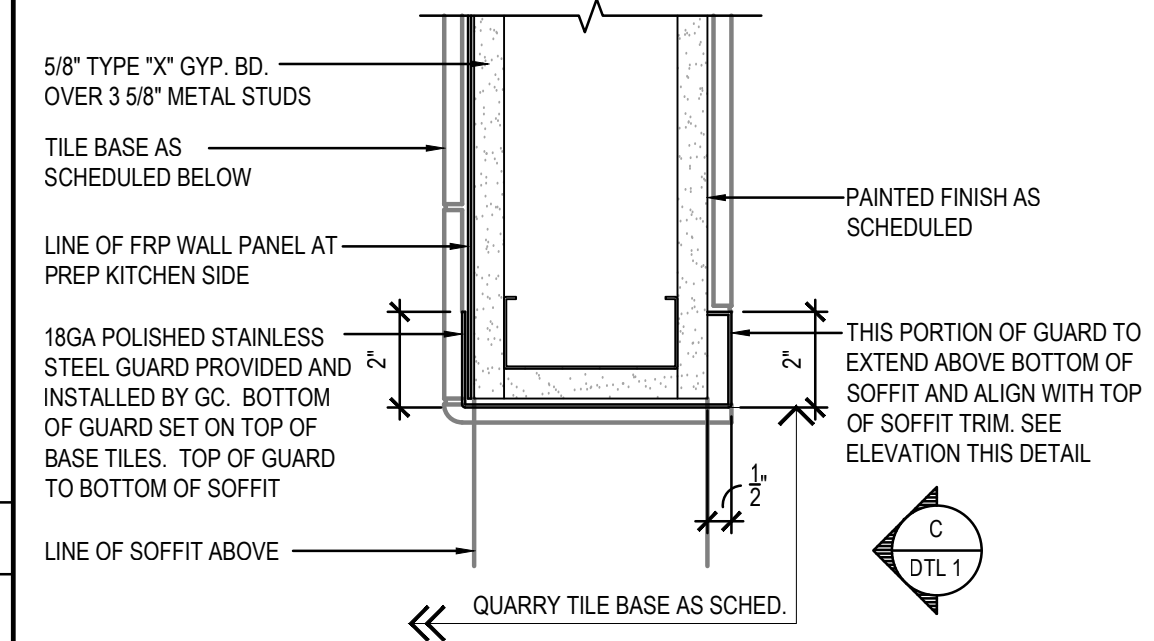
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A-402

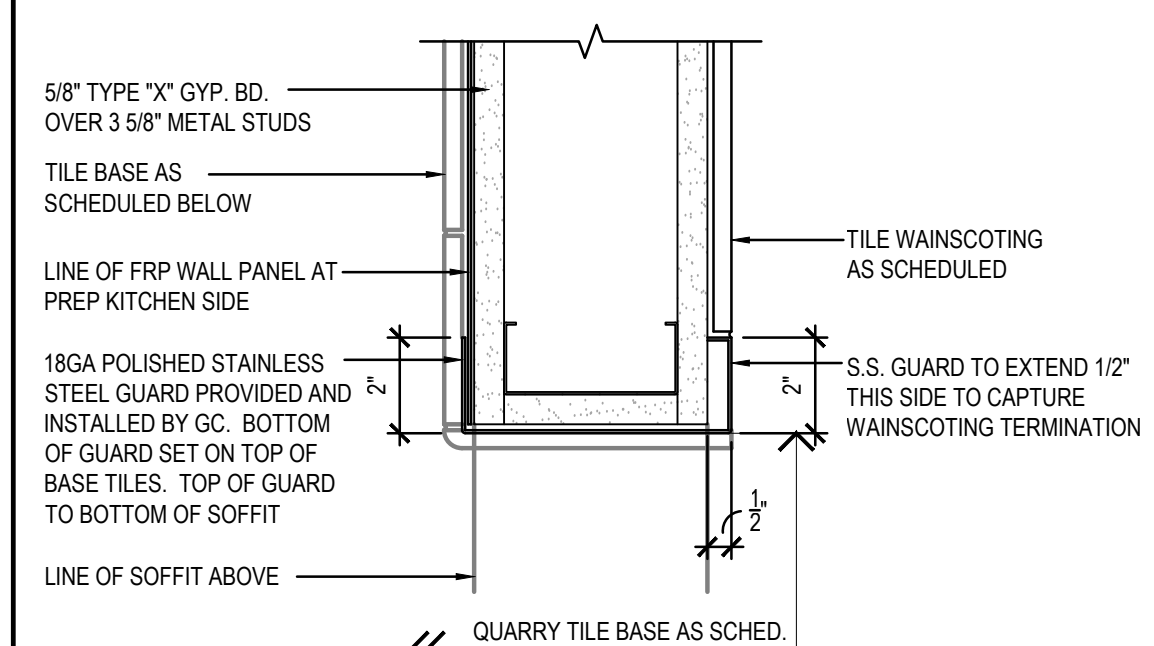


4

A-40

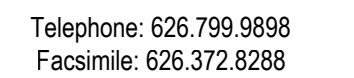


B. CONDITION ABOVE TILE
WAINSCOTING



1	
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	A-402
--	-------



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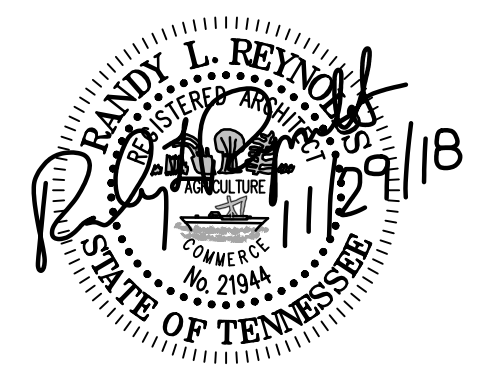
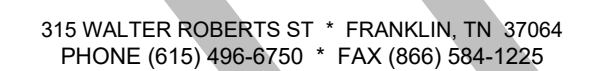
REVISIONS:

[illegible]

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

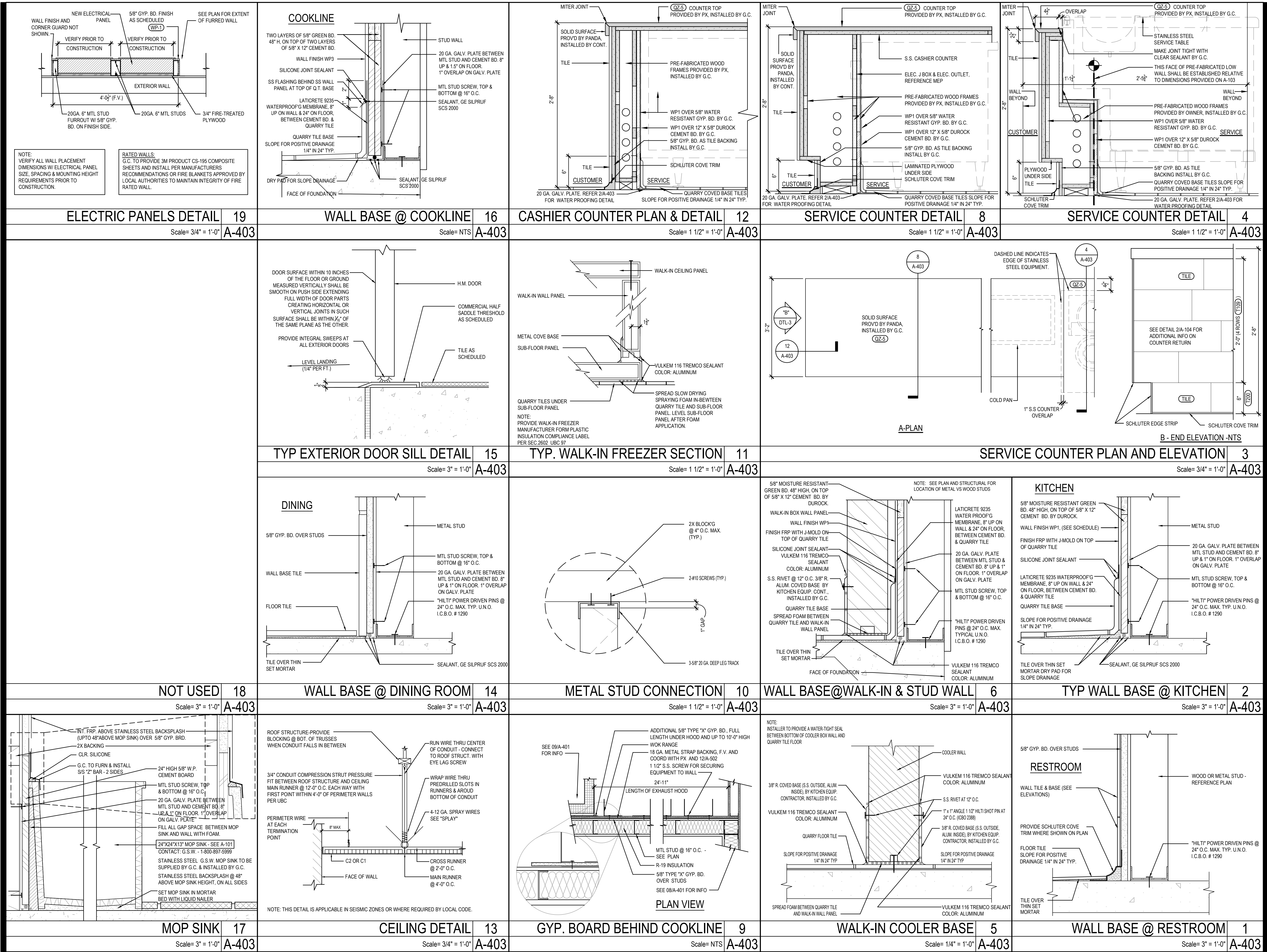


ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

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A-402

ARCHITECTURAL DETAILS



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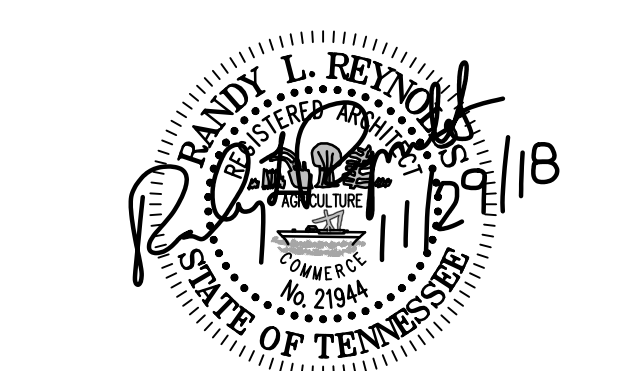
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ARCH PROJECT #: 1805

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A-403
ARCHITECTURAL
DETAILS



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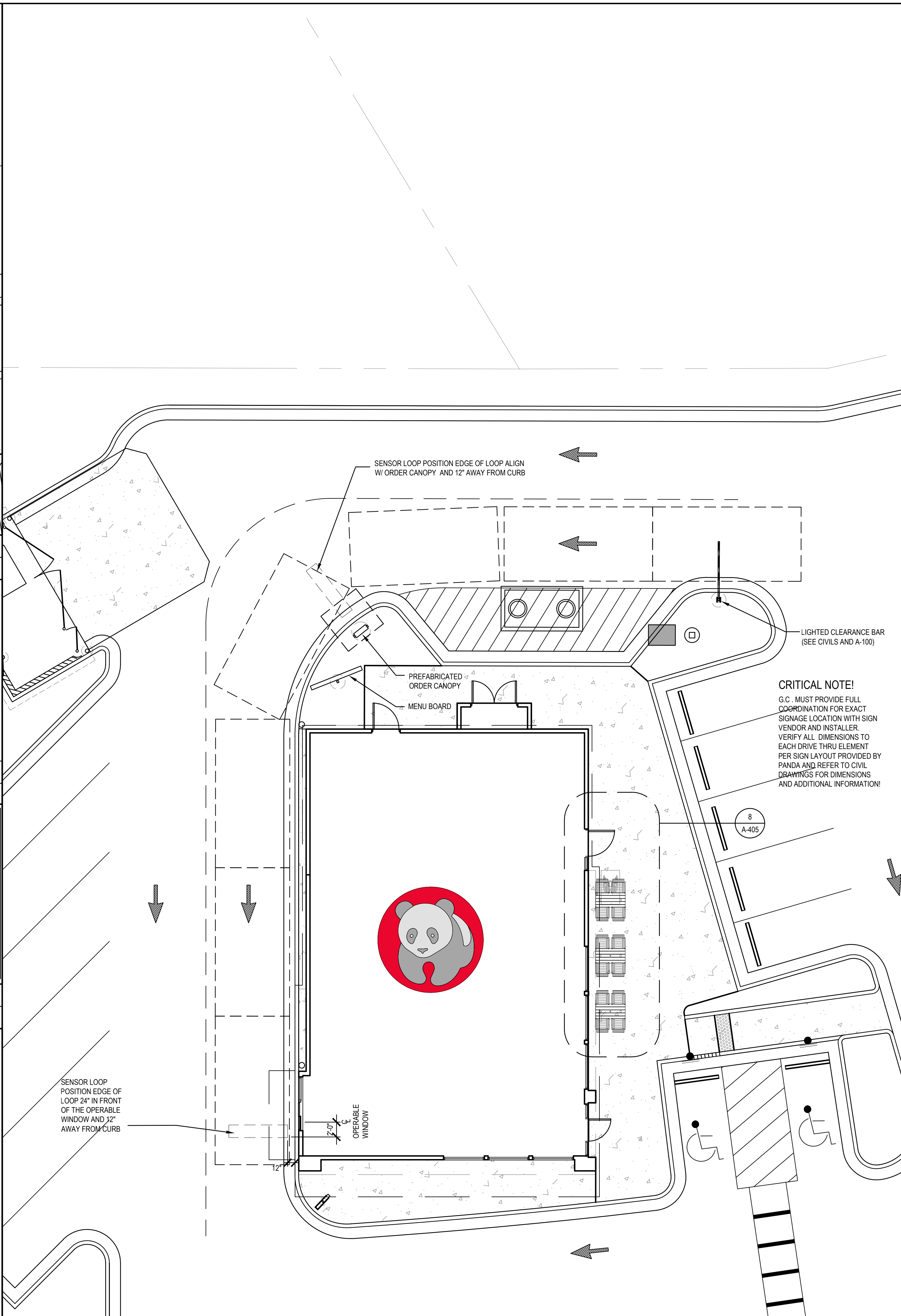
PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805



2200 TRUE R1 (DAB 013)

A-405

ARCHITECTURAL DETAILS
DRIVE THRU

DRIVE - THRU MENU BOARD LOCATION	1
----------------------------------	---

Scale= 1/8" = 1'-0" | A-40.5

PATIO FURNITURE LAYOUT	8
------------------------	---

Scale= 1/4" = 1'-0" | A-405

NOT USED	6
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Scale= NTS A-405

OUTDOOR FURNITURE & ARCH. ELEMENTS

OC1	OUTDOOR CHAIR		RICHFIELD	22-7/8" x 22-1/2" x 35-3/8" / (17-3/8")	
OT1	4 TOP OUTDOOR TABLE		RICHFIELD	48" x 24" x 30"	
OT2	4 TOP OUTDOOR TABLE (ADA)		RICHFIELD	48" x 24" x 30"	
OT3	2 TOP OUTDOOR TABLE		RICHFIELD	24" x 24" x 30"	
OW1	OUTDOOR WASTE BIN		RICHFIELD	23" x 23-1/4" x 44-5/8"	
OW2	OUTDOOR WASTE BIN	ALUMINUM	RICHFIELD	22.5" x 22.5" x 45"	
F5a	UMBRELLA & BASE (6')	TOP: SUNBRELLA, CANVAS JOCKEY RED POLE: ALUM. MARINE SATIN ANODIZED BASE: 24" DIA. 75LB GALV. STEEL BASE		TUCCI	6' SQ. x 96" H
F5b	SINGLE POST PYRAMID UMBRELLA (12')	TOP: FABRIC TOP, PVC 502 FERRARI PRECONSTRAINT POLE: BLK. 5.0 GA 7RD TUBING BASE: 8" SQ. PLATE ON CONC. FOOTING. SEE DETAIL		USA SHADE	12' SQ. x 10'-5 1/2" H

PATIO FURNITURE SCHEDULE	4
--------------------------	---

Scale= NONE | A-405

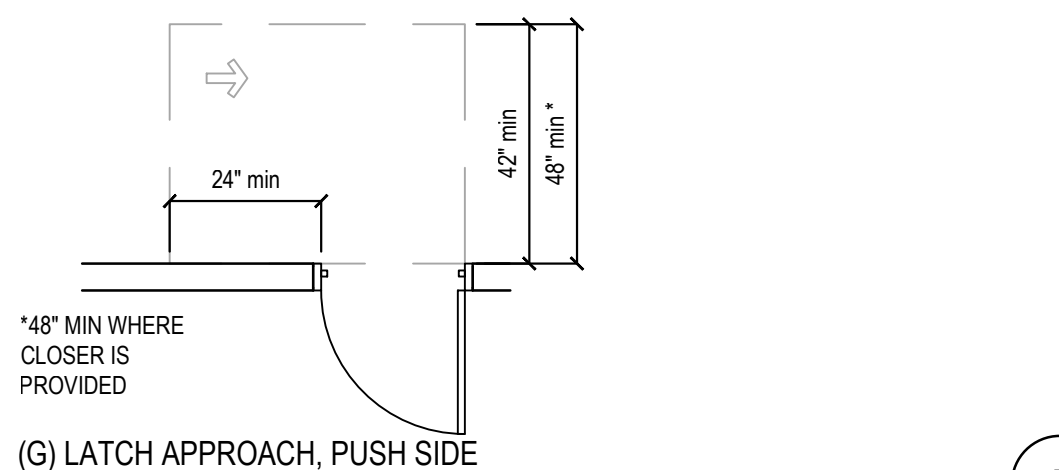
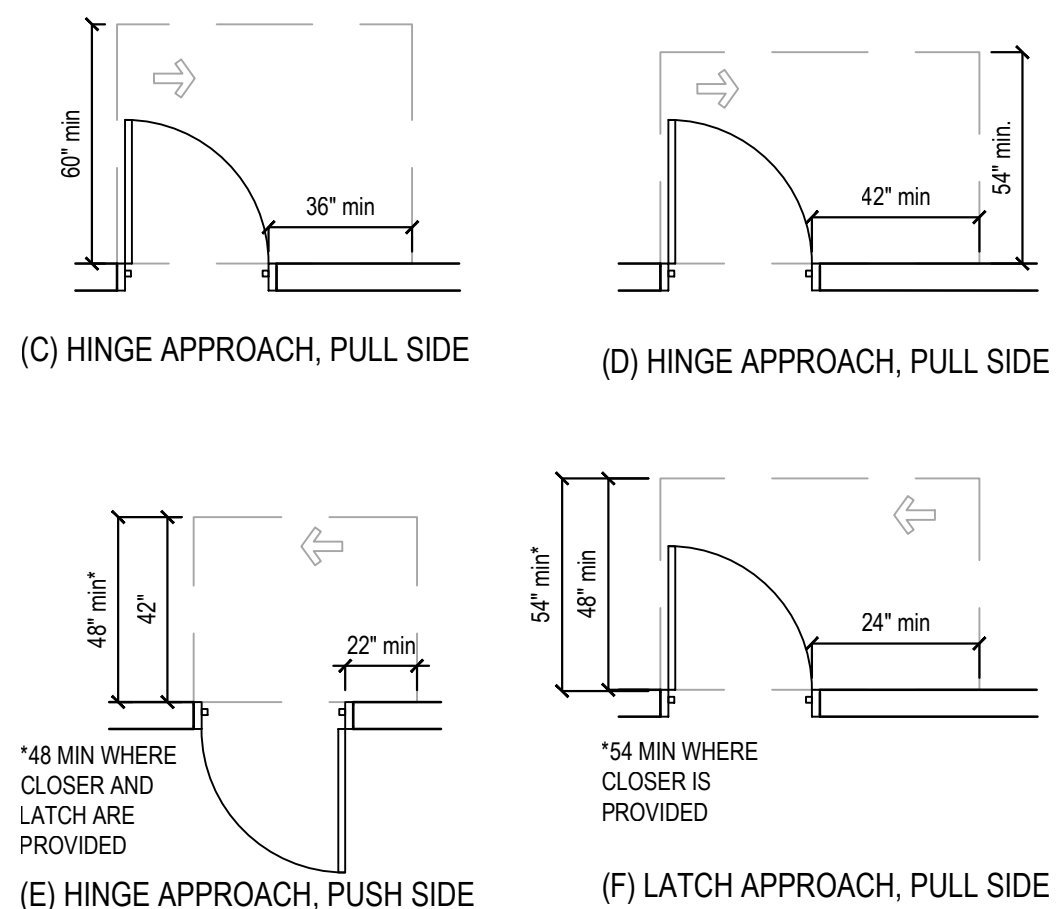
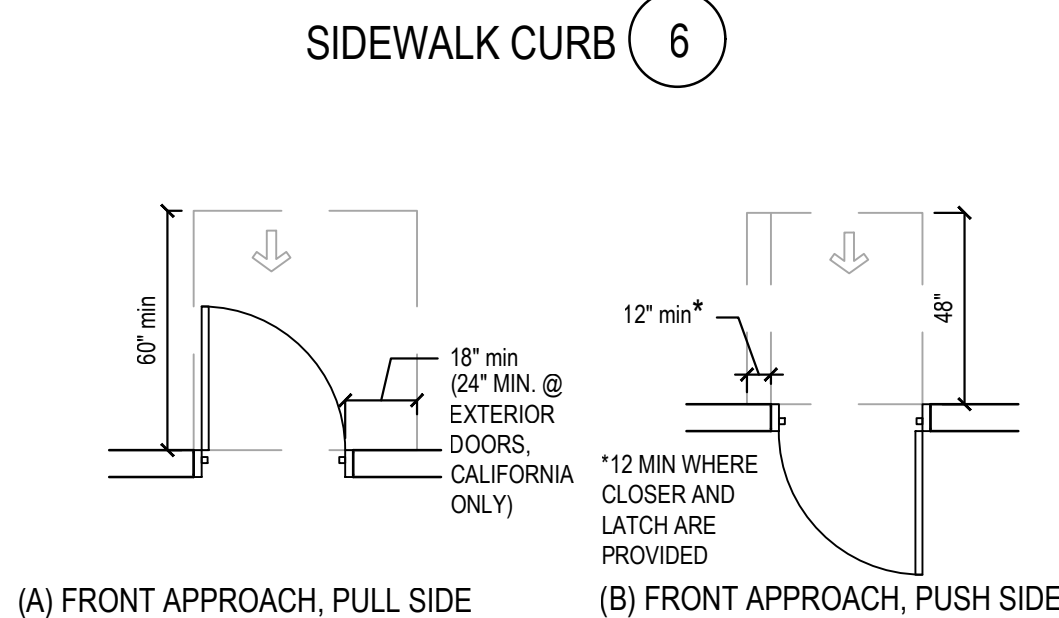
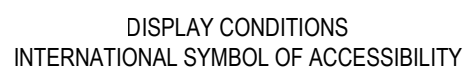
NOT USED	6
----------	---

Scale= NTS | A-405

NOT USED	2
----------	---

Scale= 1/2" = 1'-0" | A-405

1. SURFACE SLOPES OF PARKING SPACES FOR THE PHYSICALLY DISABLED SHALL NOT EXCEED 1/4-INCH PER FOOT IN ANY DIRECTION.
2. PEDESTRIAN WAYS THAT ARE ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE PROVIDED FROM EACH DISABLED PARKING SPACE TO RELATED FACILITIES, INCLUDING CURBS CUTS OR RAMPS AS REQUIRED.
3. THE SURFACE OF EACH PARKING SPACE SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING THE SYMBOL OF ACCESSIBILITY CONSISTING OF A WHITE FIGURE ON A BLUE BACKGROUND, AT LEAST 3 FEET SQUARE

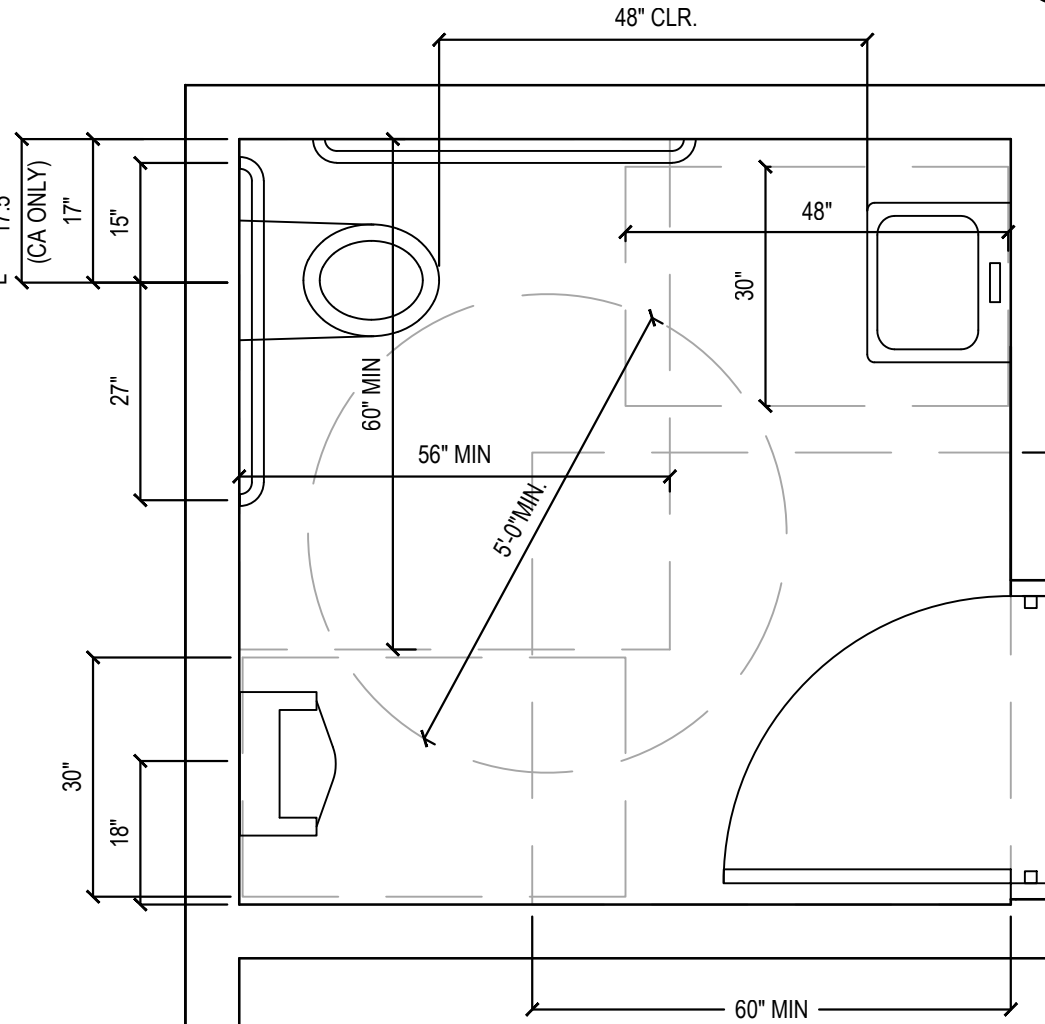


4. WALKS AND SIDEWALKS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING $\frac{1}{4}$ " AND SHALL BE A MINIMUM OF 36" IN WIDTH PER ADA. (48" MIN. IS RECOMMENDED, 48" MIN. IS REQUIRED FOR CALIFORNIA)
5. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL (5% GRADIENT) IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN RAMPS.
6. SURFACE CROSS SLOPES SHALL NOT EXCEED 1.5% PER FOOT.
7. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED $\frac{1}{4}$ ". WHEN CHANGES IN LEVELS DO OCCUR, THEY SHALL NOT BE BEVELED WITH A SLOPE NOT GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING $\frac{1}{4}$ " MAY BE VERTICAL.
8. WHEN CHANGES IN LEVELS GREATER THAN $\frac{1}{4}$ " ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS & PEDESTRIAN RAMPS.
9. NOT USED
10. CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB.
11. CURB RAMPS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND SHALL LIE GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
12. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 7.5 HORIZONTAL. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 7.5 HORIZONTAL.
13. A 1.5% MAXIMUM SLOPE LANDING 4 FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE.
14. NOT USED
15. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.
16. NOT USED

- PROVIDE AT METALLIC SIGN OVER EACH STOREFRONT DOOR STATING: "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". LETTERS SHALL BE NOT LESS THAN 1" HIGH ON A CONTRASTING BACKGROUND. THE SIGN SHALL BE INSTALLED BY THE GENERAL CONTRACTOR ON THE STOREFRONT ALUMINUM HEADER FRAME.
- ALL NEW PRIMARY ENTRANCES TO THE BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED.
- ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN PATHS. GENERAL CONTRACTOR SHALL PROVIDE STANDARD SIGNAGE. CALIFORNIA REQUIRES ISA (INTERNATIONAL SYMBOL OF ACCESSIBILITY) AT ALL ACCESSIBLE ENTRANCES.
- EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET - 8 INCHES IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF DOORWAY IS NOT LESS THAN 32 INCHES
- WHERE PAIR OF DOORS IS UTILIZED AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32-INCHES WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF FINGER TO OPERATE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. REFER TO SECTION 404.2.7 OF IBC
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34-INCHES MINIMUM AND 48" ABOVE THE FLOOR. (34-INCHES TO 44-INCHES FOR CALIFORNIA ONLY)
- THE FLOOR AND LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH OF 60-INCHES IN THE DIRECTION OF TRAVEL AND THE LENGTH OF 48-INCHES IN OPPOSITE DIRECTION OF TRAVEL. SEE DIAGRAM "MANEUVERING CLEARANCE"
- THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24-INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18-INCHES PAST THE STRIKE EDGE FOR THE INTERIOR DOORS.
- THE FLOOR OR LANDING SHALL BE NOT MORE THAN X_1' LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN X_1' AND X_2' SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSHED SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- A NARROW FRAME WITH A BEVELED TOP (30 DEGREES MAX BEVEL TO VERTICAL PLANE) INSTALLED AT THE BOTTOM OF THE GLASS DOOR (WITH NO SIDE FRAMES) MAY BE USED IN LIEU OF PROVIDING THE REQUIRED 10" UNINTERRUPTED SURFACE AT THE BOTTOM OF THE DOOR.

30. FLOOR SURFACES SHALL BE SLIP-RESISTANT

33. ACCESSIBLE SIGN CONTAINING TACTILE CHARACTER IS PROVIDED AT DOOR. THE SIGN SHALL BE ALONGSIDE THE DOOR ON LATCH SIDE AND AT DOUBLE DOORS, THE SIGN SHALL BE RIGHT OF THE RIGHT HANDED DOOR. THE SIGN CONTAINING TACTILE CHARACTER SHALL HAVE 18" MINIMUM BY 18" MINIMUM SPACE ON THE FLOOR CENTERED ON SIGN. THE SIGN TACTILE CHARACTER SHALL BE 48" MINIMUM TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60" MAXIMUM TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER ABOVE FLOOR.
34. CLEARANCE AROUND THE WATER CLOSET SHALL BE 60" MINIMUM MEASURED PERPENDICULAR FROM THE SIDEWALL, AND 56" MINIMUM MEASURED PERPENDICULAR FROM REAR WALL. NO OTHER FIXTURES OR OBSTRUCTION SHALL BE WITHIN WATER CLOSET CLEARANCE (PER ADA) (REFER TO LOCAL JURISDICTION FOR ADDITIONAL REQUIREMENTS).
35. WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32-INCHES WHEN LOCATED AT THE END AND 34-INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
36. 30-INCH DOOR OPENING WIDTH AND DOOR SWINGS: A CLEAR UNOBSTRUCTED ACCESS NOT LESS THAN 44-INCHES SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY THE DISABLED. THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48-INCHES AS MEASURED AT RIGHT ANGLES TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION.
37. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17-INCHES AND A MAXIMUM OF 19-INCHES MEASURED TO THE TOP OF TOILET SEAT.
38. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44-INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS.
39. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR SPACE 30-INCHES WIDE X 48-INCHES LONG IN FRONT OF THE URINAL.
40. WHEN MORE THAN ONE URINAL IS PROVIDED, AT LEAST ONE SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17" MAXIMUM ABOVE THE FINISH FLOOR. URINALS SHALL BE 13-1/2" DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.
41. A CLEAR FLOOR FORWARD APPROACH, AND KNEE AND TOE CLEARANCE SHALL BE PROVIDED. A SPACE 30-INCHES MINIMUM WIDE X 48-INCHES MINIMUM LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE. SUCH CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE: KNEE AND TOE CLEARANCE UNDERNEATH THE LAVATORY.
42. LAVATORIES SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34-INCHES MAXIMUM ABOVE THE FINISH FLOOR.
43. TOE CLEARANCE: SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR AND 9-INCHES ABOVE THE FINISH FLOOR SHALL BE CONSIDERED TOE CLEARANCE. TOE CLEARANCE SHALL EXTEND 17-INCHES MINIMUM TO 25-INCHES MAXIMUM UNDER AN ELEMENT WITH A WIDTH OF 30-INCHES MINIMUM. SPACE EXTENDING GREATER THAN 6-INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9-INCHES ABOVE THE FINISH FLOOR SHALL NOT BE CONSIDERED TOE CLEARANCE.



MINIMUM REQUIREMENT FOR ACCESSIBLE SANITARY FACILITIES

49. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LBS. PER LINEAR FEET LOAD.
50. GRAB BARS SHALL BE LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF THE PHYSICALLY DISABLED TOILET STALL OR COMPARTMENT AND SHALL BE SECURELY ATTACHED 35-INCHES TO TOP OF GRAB BAR AND PARALLEL TO THE FLOOR. VERTICAL GRAB BAR SHALL BE 18-INCHES LONG, INSTALLED AT 40-INCHES FROM THE REAR WALL AND 49-INCHES ABOVE FINISH FLOOR.
51. GRAB BARS AT THE SIDE WALL SHALL BE AT LEAST 48-INCHES LONG MINIMUM. LOCATED 12-INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54-INCHES MINIMUM FROM THE REAR WALL. THE REAR WALL GRAB BAR SHALL BE 42-INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12-INCHES MINIMUM ON ONE SIDE AND 24-INCHES MINIMUM ON THE OTHER.
52. GRAB BARS WITH CIRCULAR CROSS-SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM TO 2 INCHES MAXIMUM. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION DIMENSION OF 2 INCHES MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM.
53. IF THE GRAB BAR IS MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 INCHES.
54. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.
55. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
56. COAT HOOKS SHALL BE LOCATED WHERE A FORWARD REACH IS UNOBSTRUCTED TO THE HIGH FORWARD REACH SHALL BE 48-INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15-INCHES MINIMUM ABOVE THE FINISH FLOOR.
57. WHERE LOCKERS ARE PROVIDED, AT LEAST ONE AND NOT LESS THAN 5% PERCENT OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED. A PATH OF TRAVEL NOT LESS THAN 36-INCHES IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS AND A CLEAR SPACE FOR A CIRCLE WITH DIAMETER OF 60-INCHES.

IF PUBLIC TELEPHONES ARE PROVIDED, THEY SHALL COMPLY WITH DISABLED ACCESS REQUIREMENTS.

PROVIDE 30" X 48" CLEAR SPACE AT TELEPHONE. THE CLEAR SPACE MAY INCLUDE KNEE SPACE UNDER THE TELEPHONE.

THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE WITHIN 48" INCHES OF THE FLOOR IF FORWARD APPROACHED AND UNOBSTRUCTED SIDE REACH AND 48" INCHES MAX IF SIDE APPROACHED WITH 10" MAX OBSTRUCTED AND 46" MAX WITH 24" MAX OBSTRUCTION.

SIDE APPROACH TELEPHONES REQUIRE THAT THE ENCLOSURE OVERHANG BE NO MORE THAN 19" INCHES AND BE AT LEAST 27" INCHES FROM THE FLOOR.

THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE AT LEAST 29" INCHES LONG.

TELEPHONES SHALL BE HEARING AID COMPATIBLE PER ICCANSI SEC. 704.2.5

TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE.

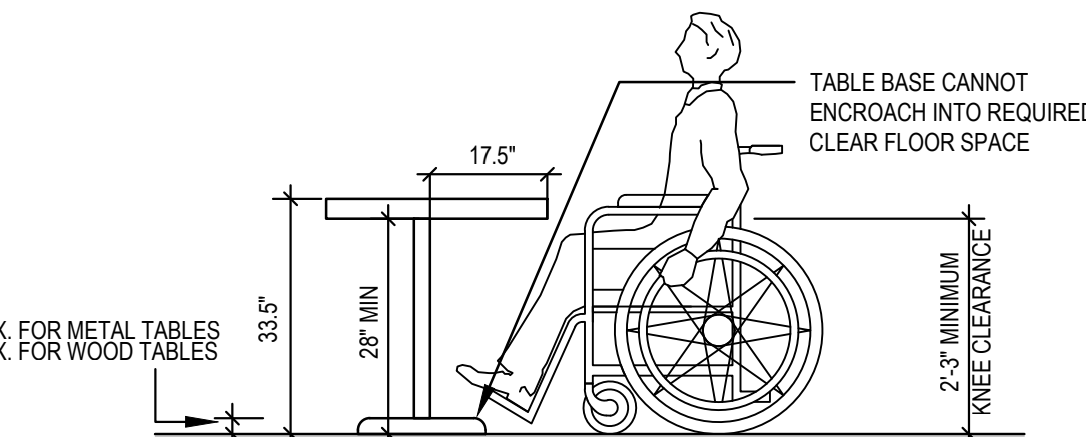
ADDITIONAL REQUIREMENTS:

THE CENTER OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 15" INCHES ABOVE THE FLOOR OR WORKING PLATFORMS.

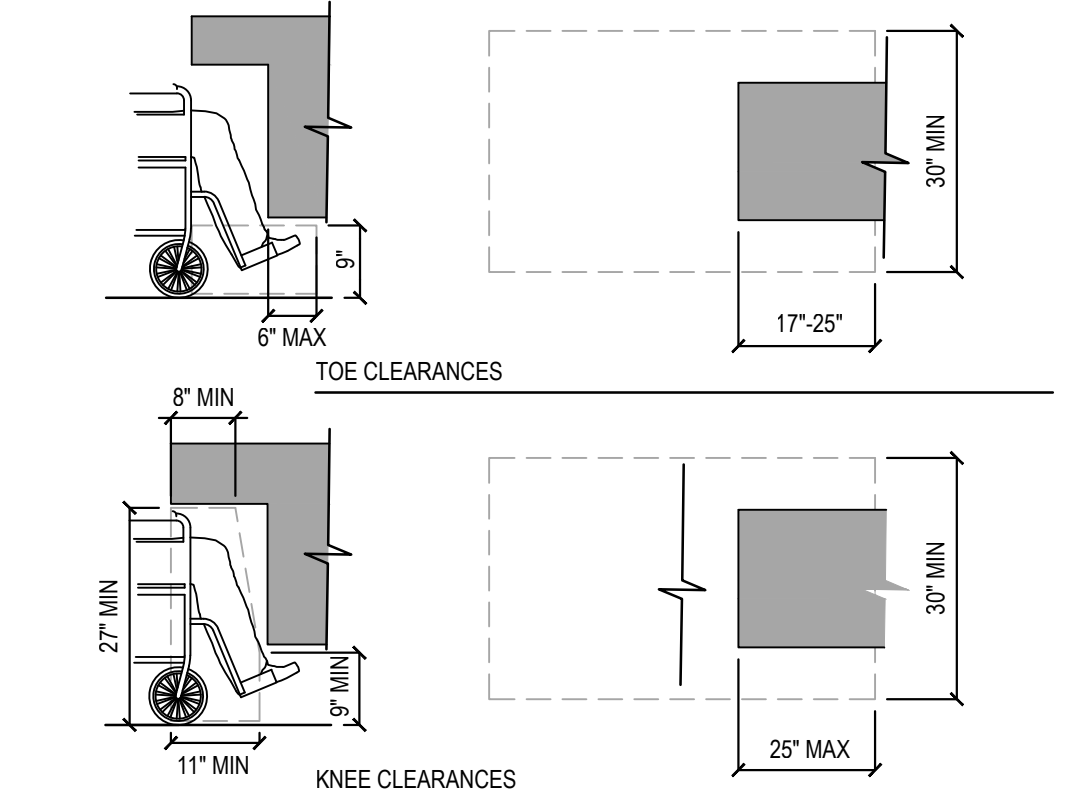
THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE 48" MAX HEIGHT FOR UNOBSTRUCTED FORWARD AND SIDE REACH, 48" MAX HEIGHT WITH 10" MAX OBSTRUCTION AT SIDE REACH, 46" MAX HEIGHT AT 24" MAX OBSTRUCTION AT SIDE REACH

THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL, SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.

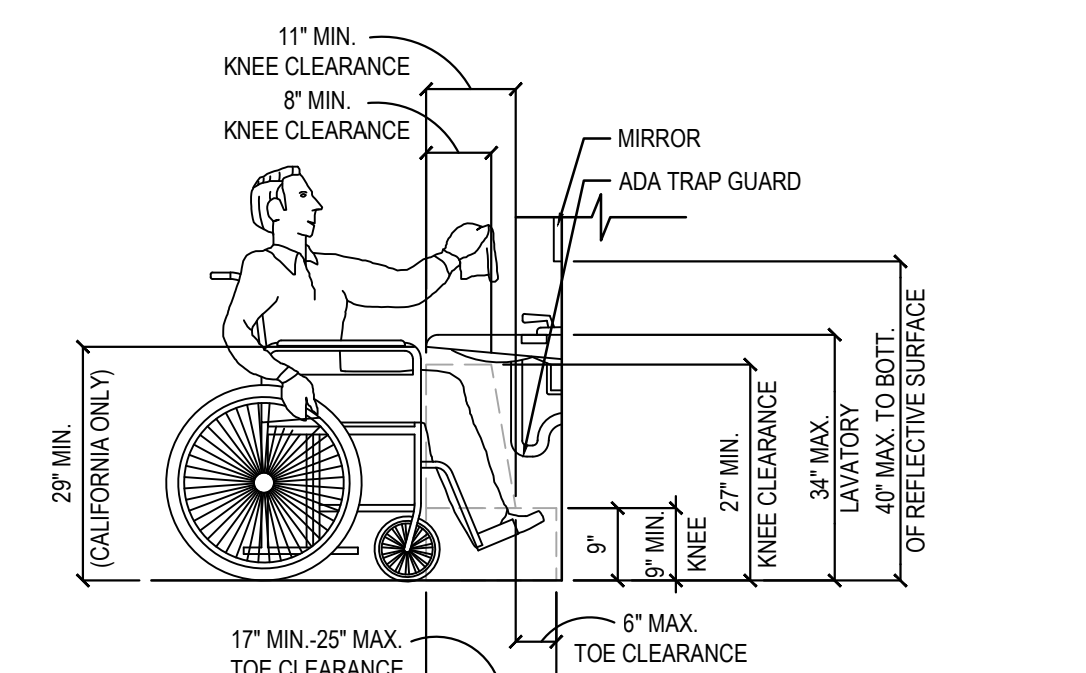
Technical drawing of the 48-inch wide bench. The top view shows two seats, each 30 inches wide, with 30 inches of clear space between them. The side view shows a seat depth of 19 inches and a backrest height of 30 inches. The overall width is 48 inches.



MINIMUM CLEARANCES FOR SEATING AND TABLES (10



TOE & KNEE CLEARANCES (11



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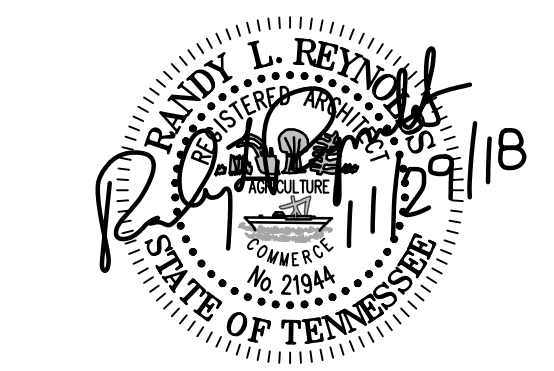
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ARCH PROJECT #: 1805



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PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

A-406

HANDICAPPED NOTES AND DETAILS



PANDA EXPRESS, INC.
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91770
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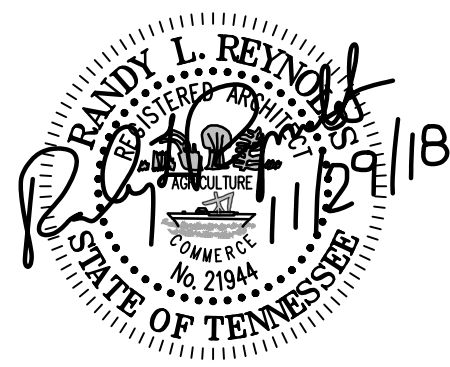
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ARCH PROJECT #: 1805



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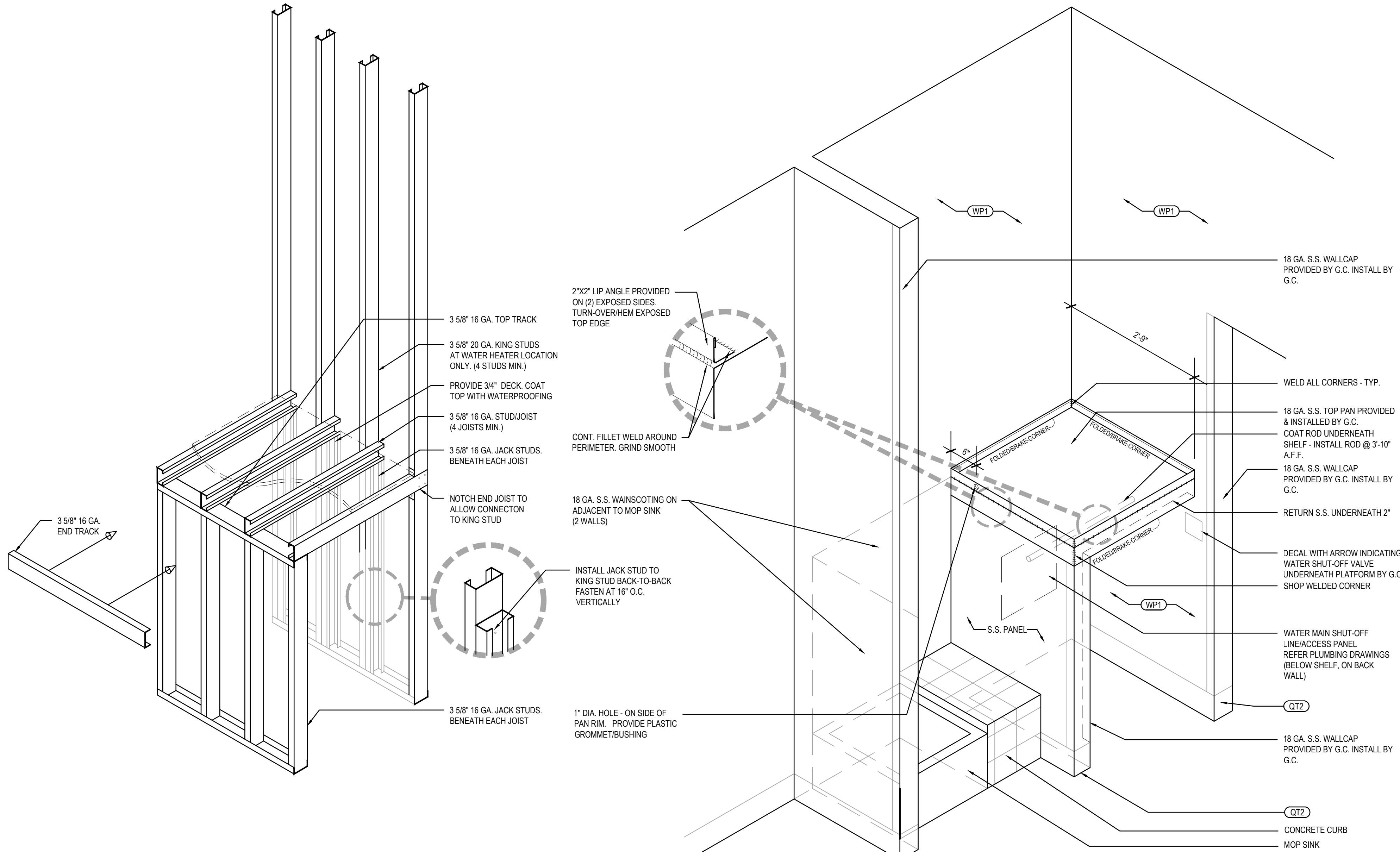


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A-408

WATER HEATER SHELF
DETAILS



FRAMING

FINISHES

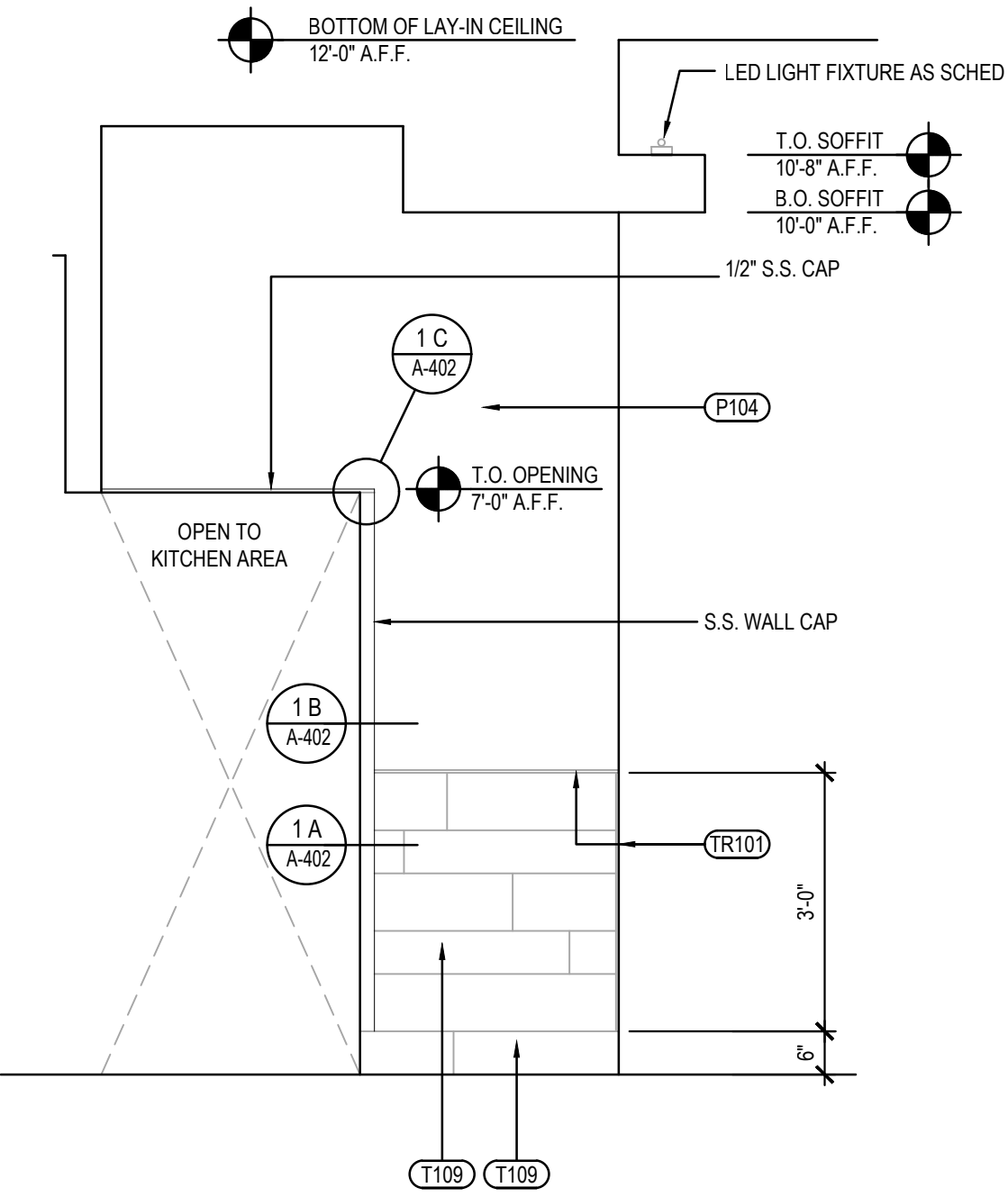
WATER HEATER PLATFORM DETAILS

01

Scale= 3/4" = 1'-0" A-408

NOTES:
1. ALL EXPOSED WALL TILE EDGES MUST BE FINISHED TO MATCH TILE SURFACE. EASE TILE EDGE AS ALLOWABLE.
2. BLINDS SHALL BE PROVIDED BY OWNER AND INSTALLED BY VENDOR. COORDINATE WITH PANDA PROJECT MANAGER PRIOR TO INSTALLATION.
3. PROVIDE 1/2" CLEAR PLASTIC CORNER GUARD FOR ALL INTERIOR PAINTED SURFACE W/ CLEAR GLUE.
4. ALL TILES INSTALLED NOT TO BE CUT LESS THAN 1/2 THE TILE WIDTH.
5. REFERENCE SHEET A-103 FOR WALL PANEL SCHEDULE
6. REFERENCE SHEET A-103 FOR SPECIAL SURFACE SCHEDULE
7. REFERENCE SHEET A-103 FOR INTERIOR PAINT SCHEDULE
8. REFERENCE SHEET A-104 FOR TILE SCHEDULE
9. REFERENCE SHEET A-104 FOR EXTENT OF COVE TRIM AT BASE

GENERAL DECOR NOTE:
ALL WALL DECORATIONS, PRINT LOCATIONS, ETC... TO BE VERIFIED WITH PANDA EXPRESS BY G.C.
G.C. SHALL PROVIDE/INSTALL ANY CONCEALED BACKING, MISC. HARDWARE NOT PROVIDED BY OWNER, ETC... AS REQUIRED.
COORDINATE LOCATION OF ALARM DEVICES WITH ARTWORK (IF REQUIRED).

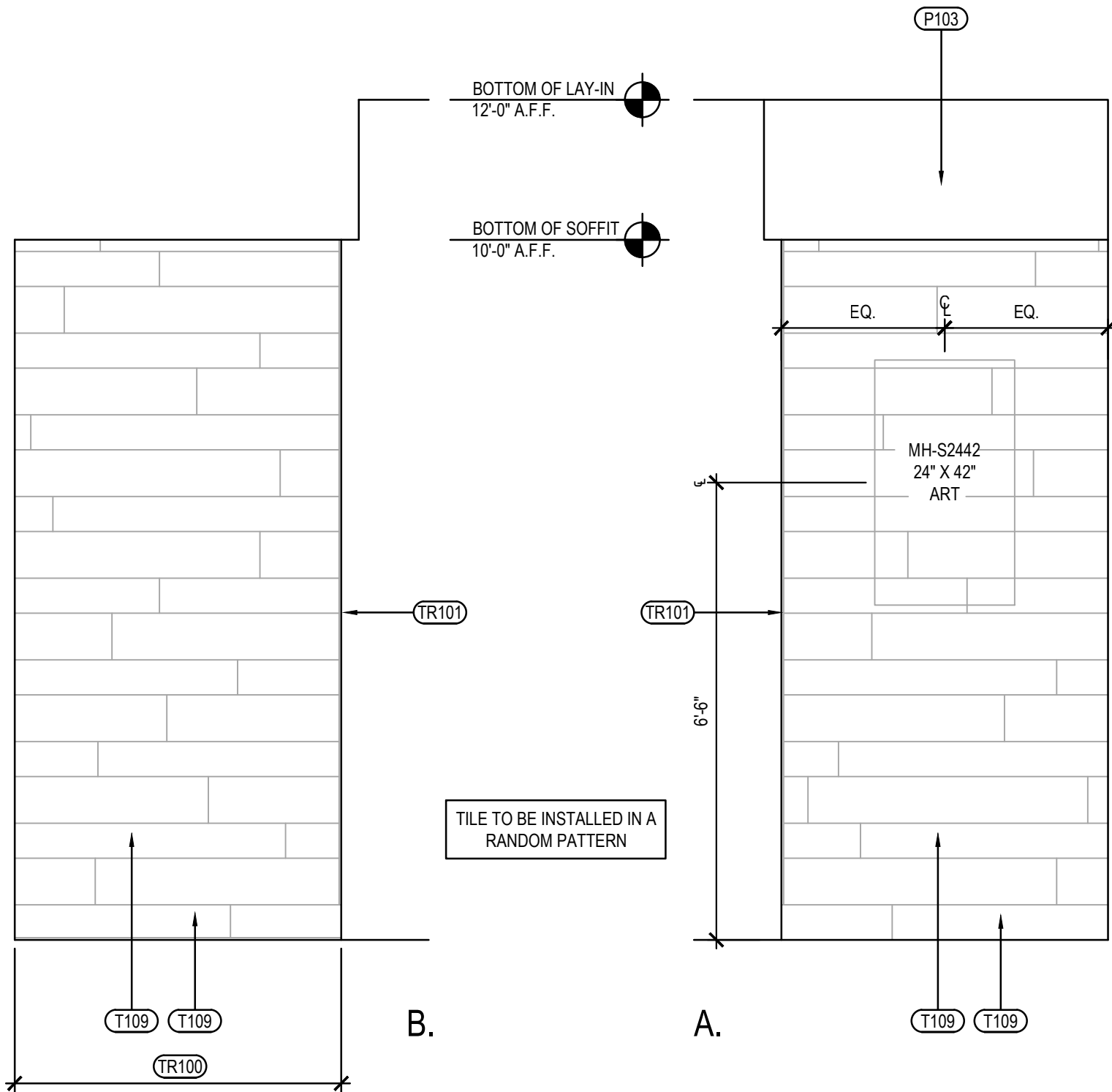


DINING ROOM ELEVATION

4

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

A-500

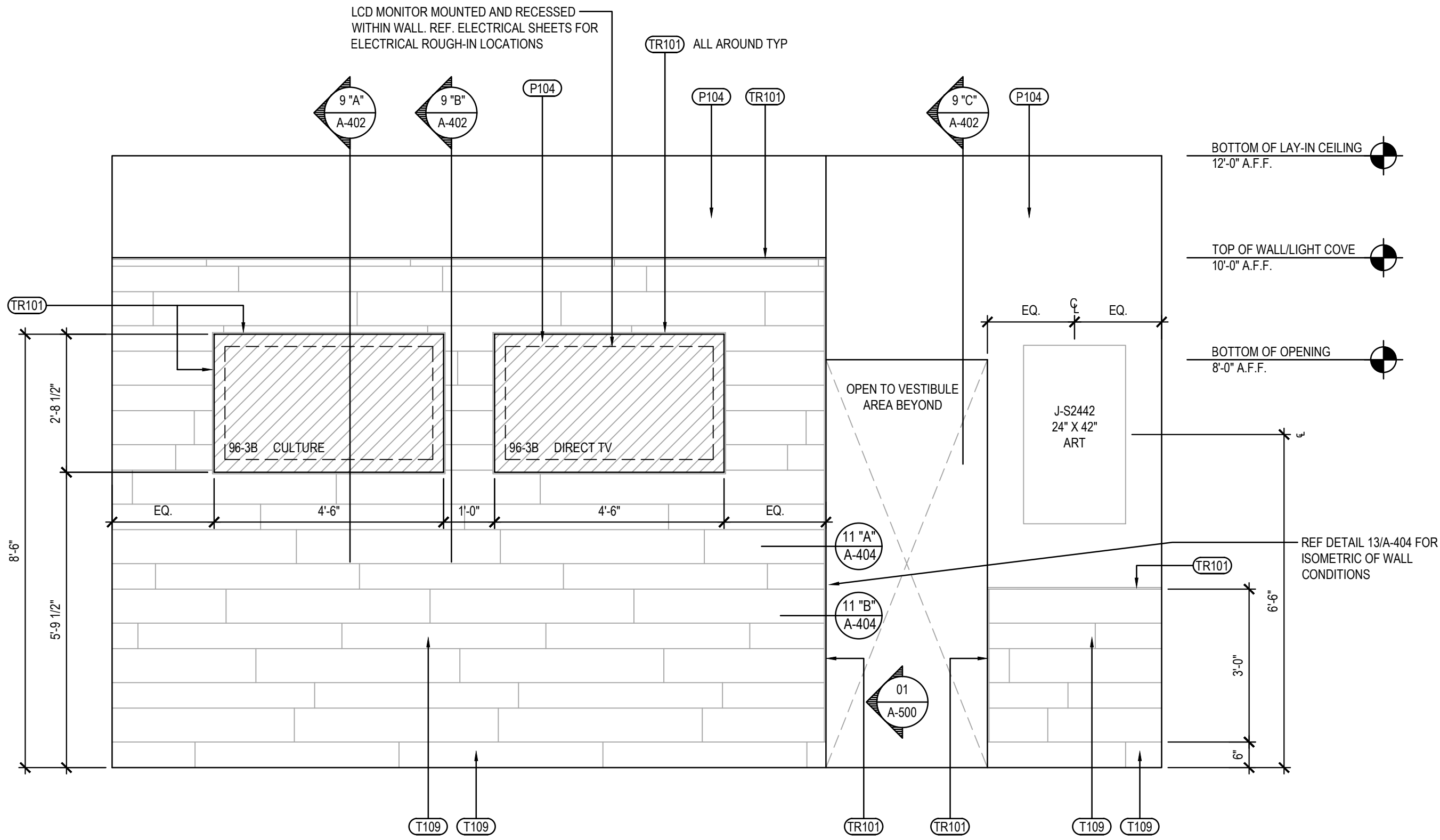


DINING ROOM ELEVATIONS BY DRINK STATION

3

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

A-500

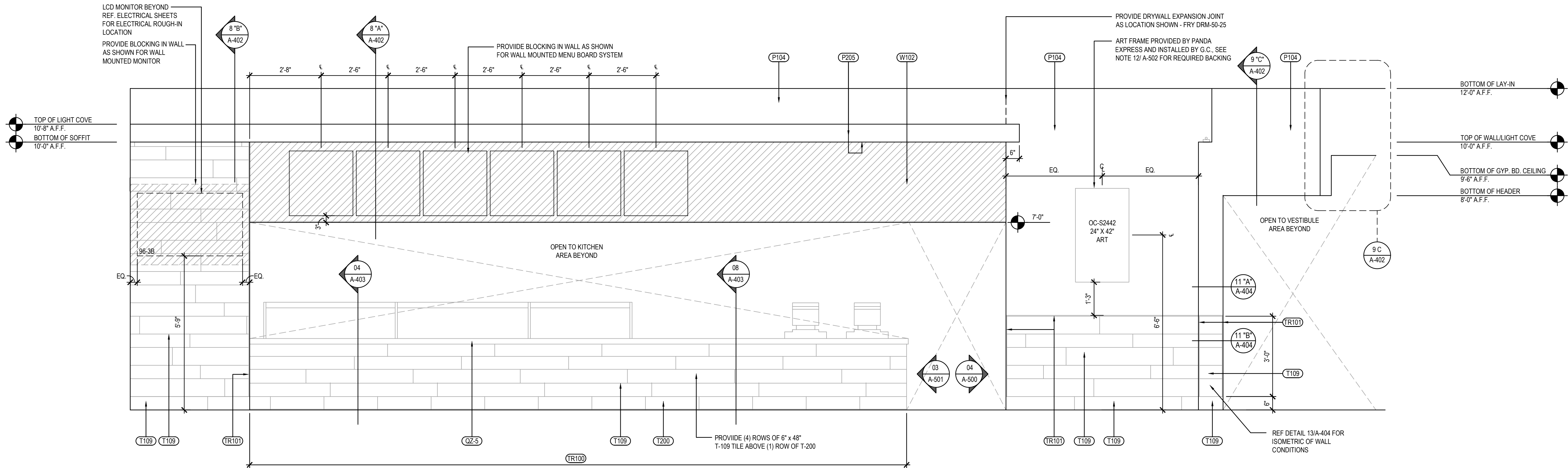


DINING ROOM ELEVATION

2

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

A-500



DINING ROOM ELEVATION

1

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

A-500



PANDA EXPRESS, INC.
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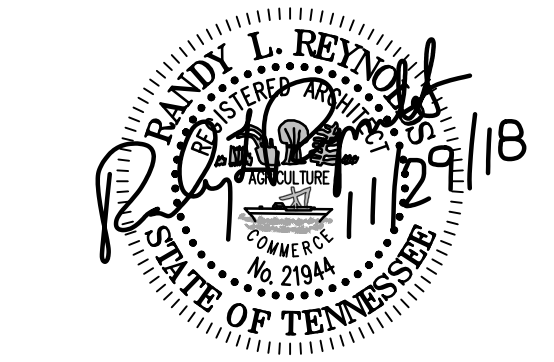
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PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

RANDY REYNOLDS
ARCHITECT

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INTERIOR ELEVATIONS



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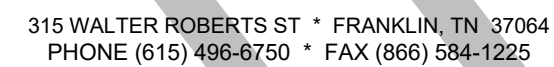
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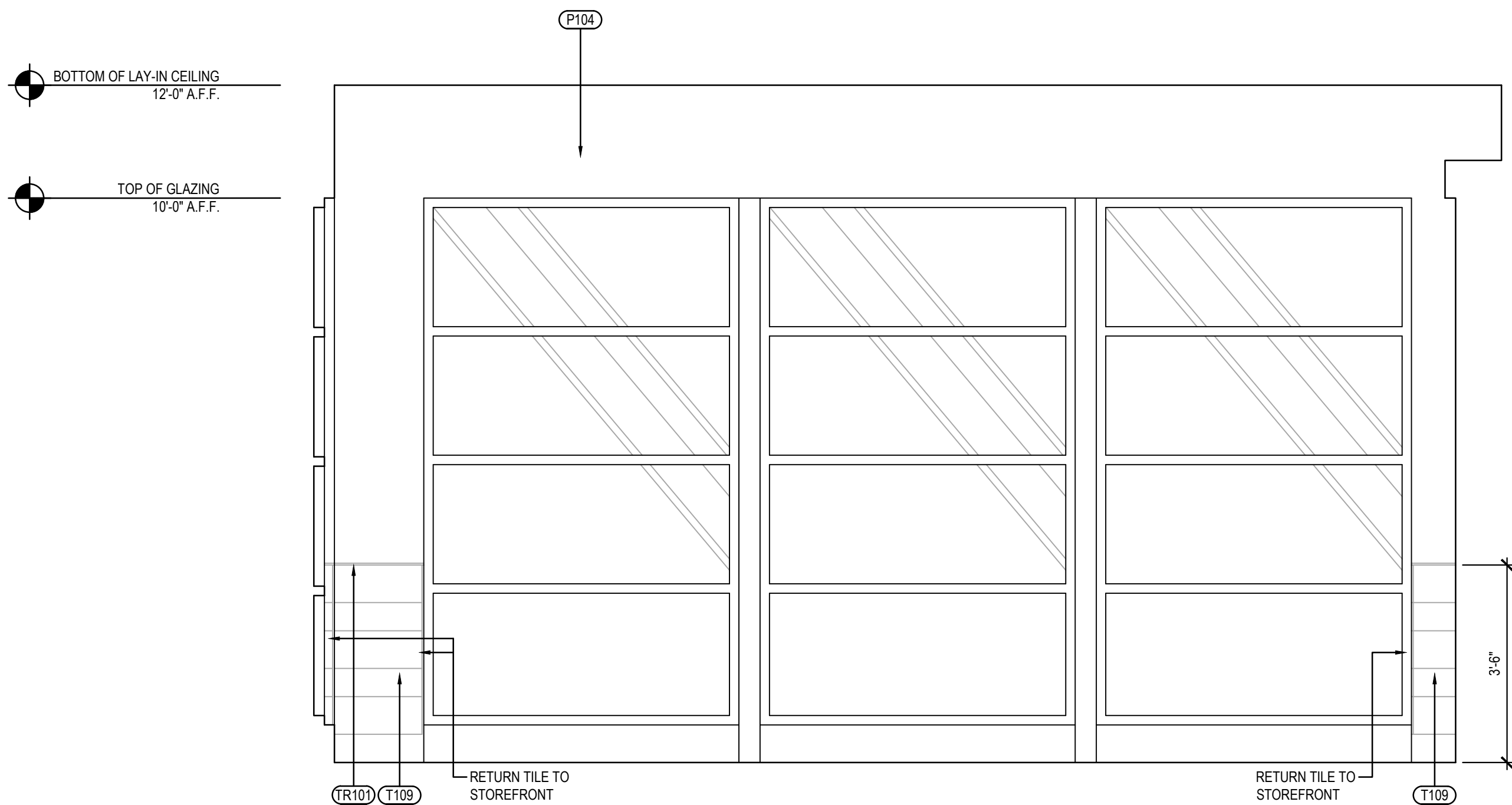
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A-501

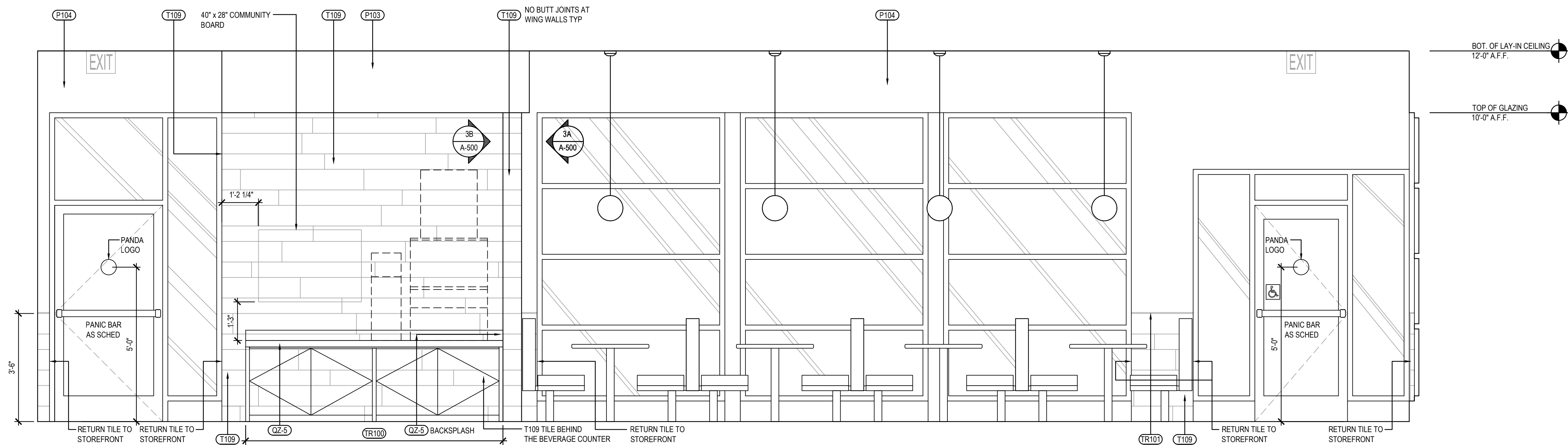
INTERIOR ELEVATIONS



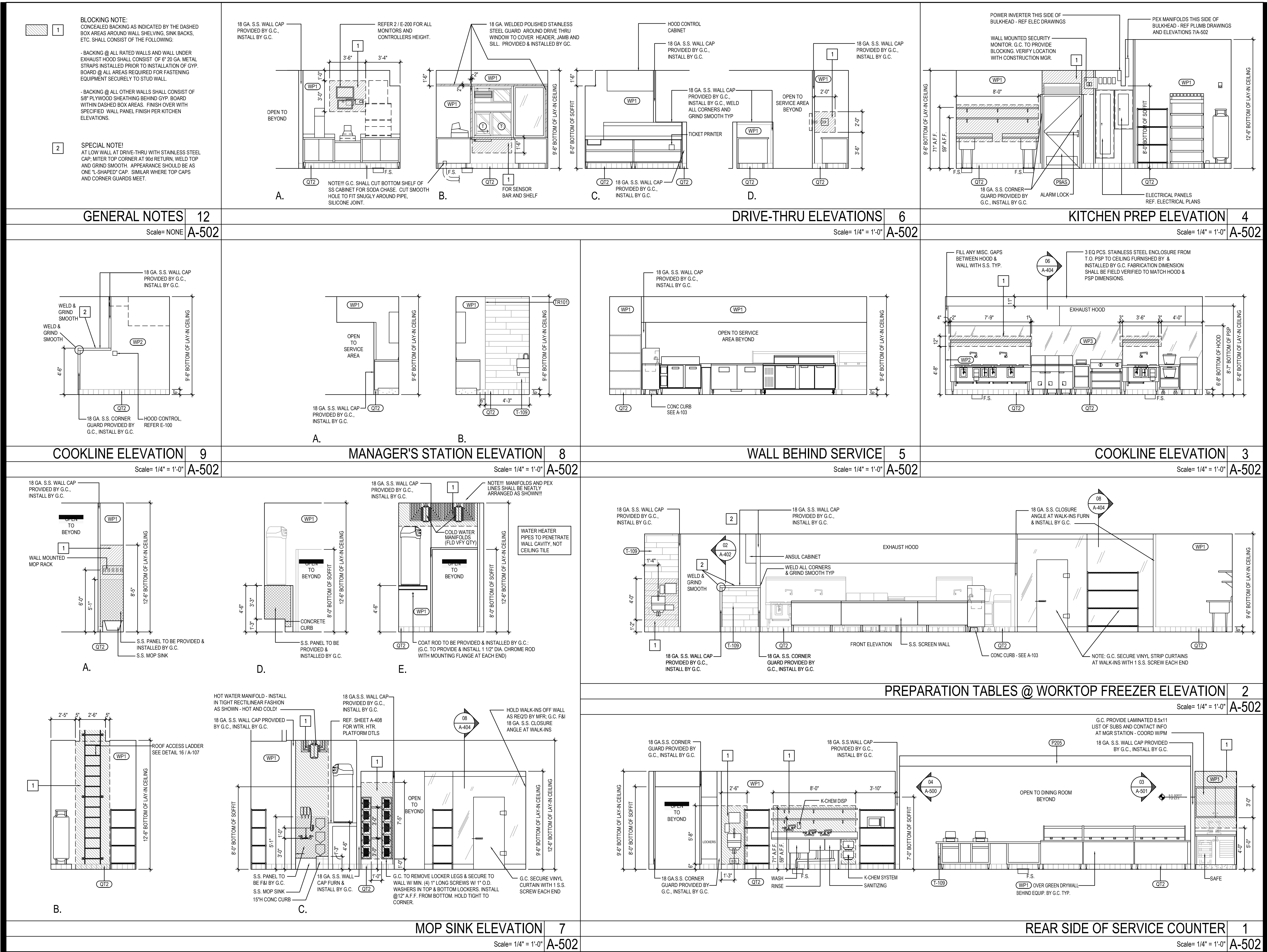
NOT USED	4
Scale= 1/2" = 1'-0"	A-501

SERVICE COUNTER ELEVATION	3
Scale= 1/2" = 1'-0"	A-501

DINING ROOM ELEVATION	2
Scale= 1/2" = 1'-0"	A-501



DINING ROOM ELEVATION	1
Scale= 1/2" = 1'-0"	A-501



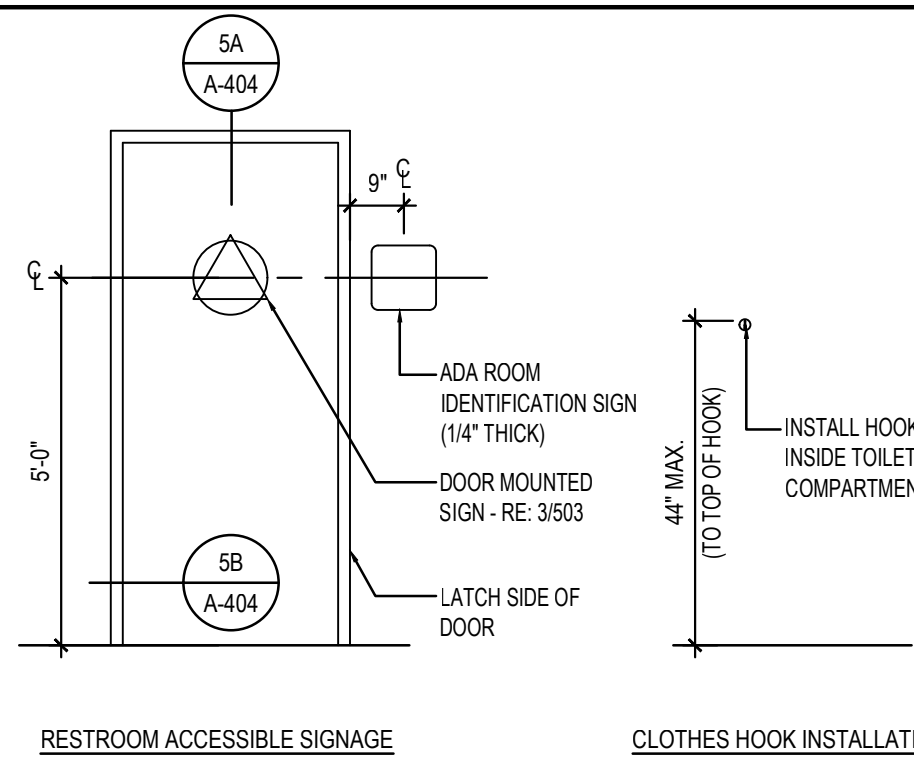
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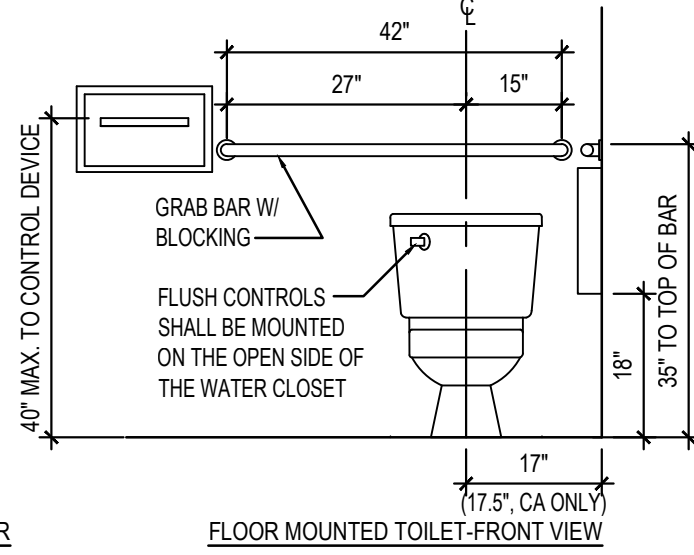


RESTROOM ACCESSIBLE SIGNAGE

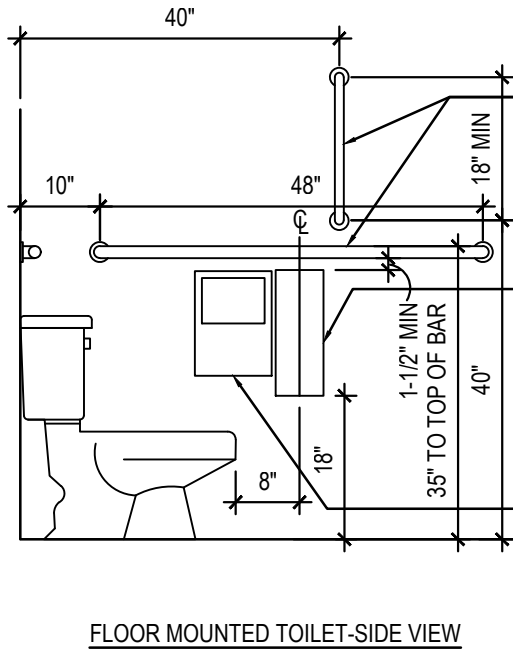
CLOTHES HOOK INSTALLATION



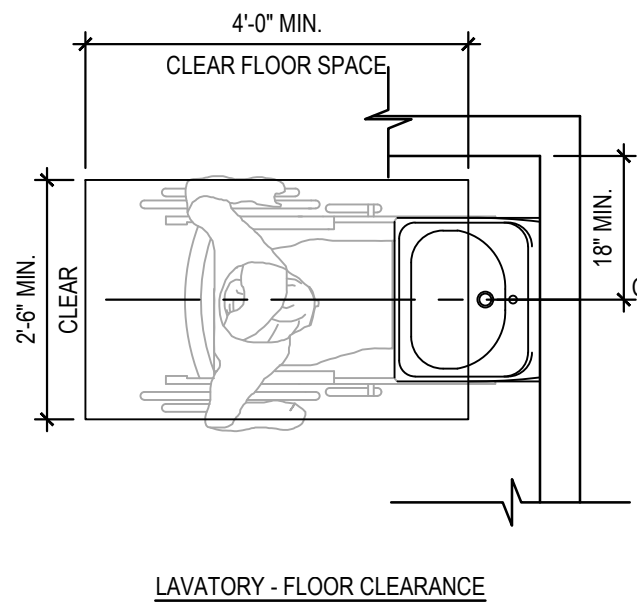
SOAP DISPENSER



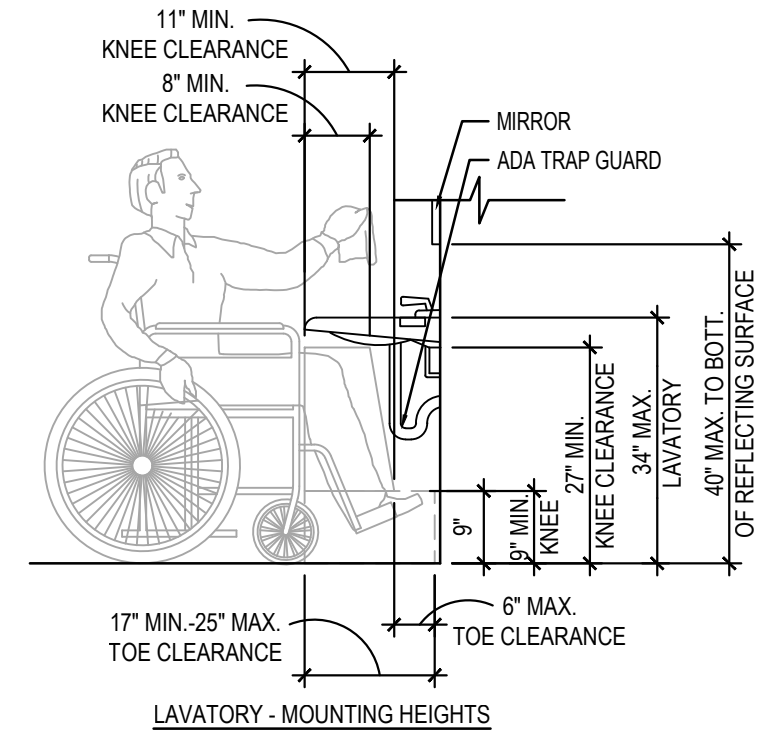
FLOOR MOUNTED TOILET-FRONT VIEW



FLOOR MOUNTED TOILET-SIDE VIEW

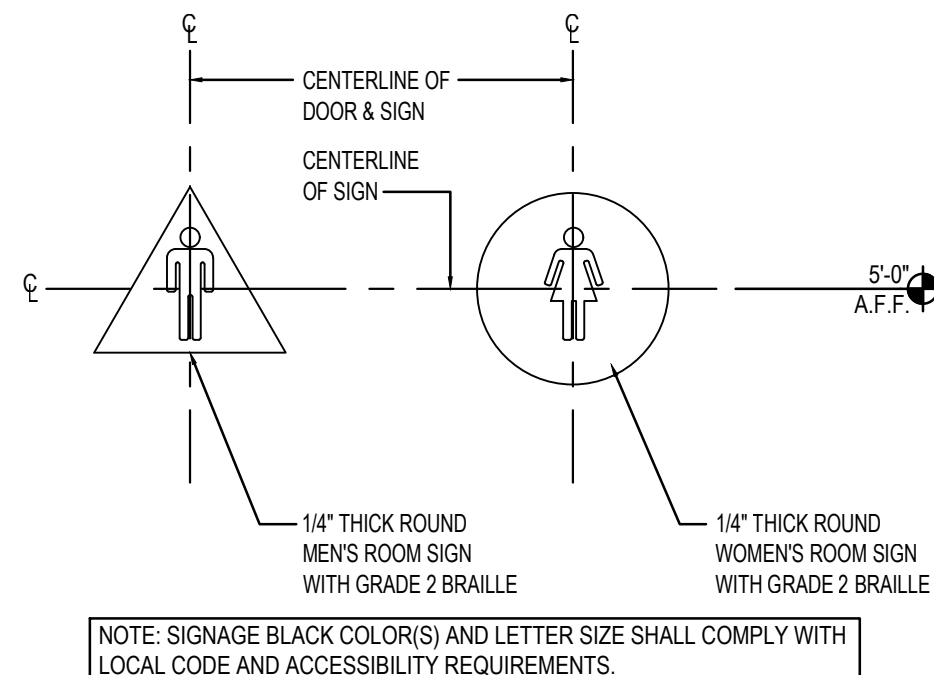


LAVATORY - FLOOR CLEARANCE



LAVATORY - MOUNTING HEIGHTS

NOTE: SIGNAGE PROVIDED BY PANDA AND INSTALLED BY G.C.



NOTE: SIGNAGE BLACK COLOR(S) AND LETTER SIZE SHALL COMPLY WITH LOCAL CODE AND ACCESSIBILITY REQUIREMENTS.

STANDARD ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES

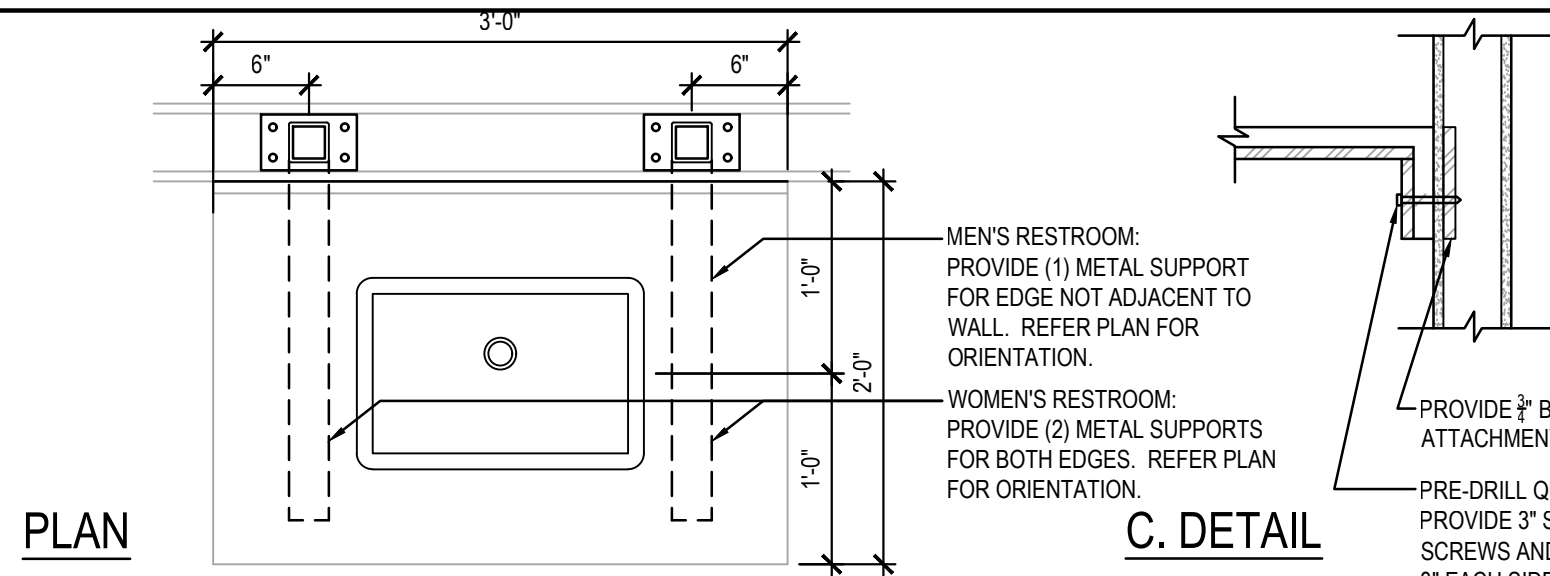
4

Scale= NTS A-503

RESTROOM DOOR SIGNS

3

Scale= 1" = 1'-0" A-503

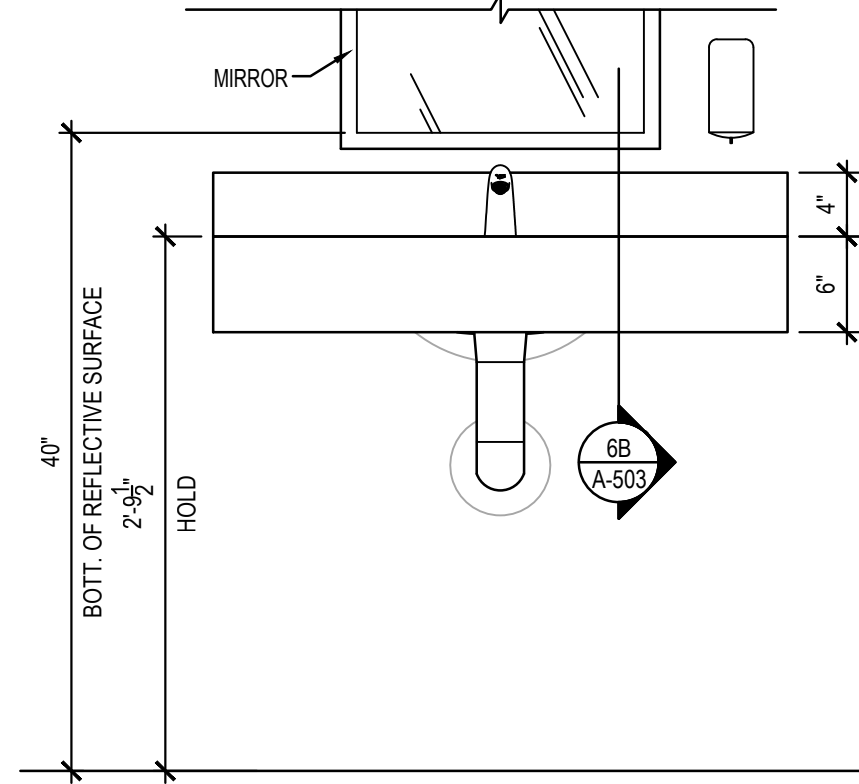


PLAN

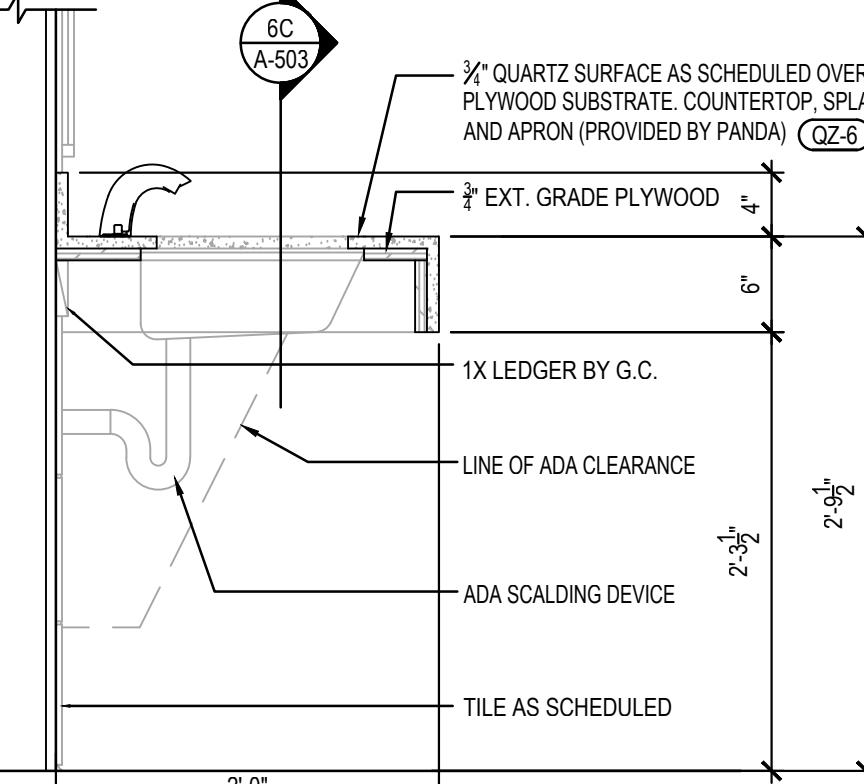
C. DETAIL

LAVATORY RESPONSIBILITY SCHEDULE		
	PROVIDED BY	INSTALLED BY
QUARTZ TOP & SPLASH	OWNER	G.C.
SINK & FAUCET	G.C.	G.C.
METAL SUPPORT BRACKET	G.C.	G.C.

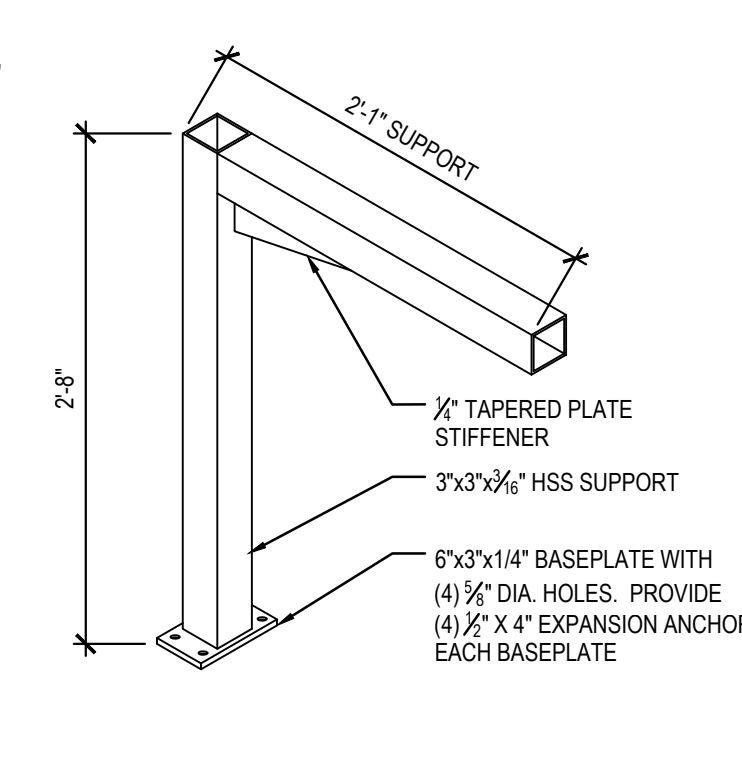
NOTE:
• UNDER COUNTER SINK INSTALLED BY G.C.



A. ELEVATION



B. SECTION

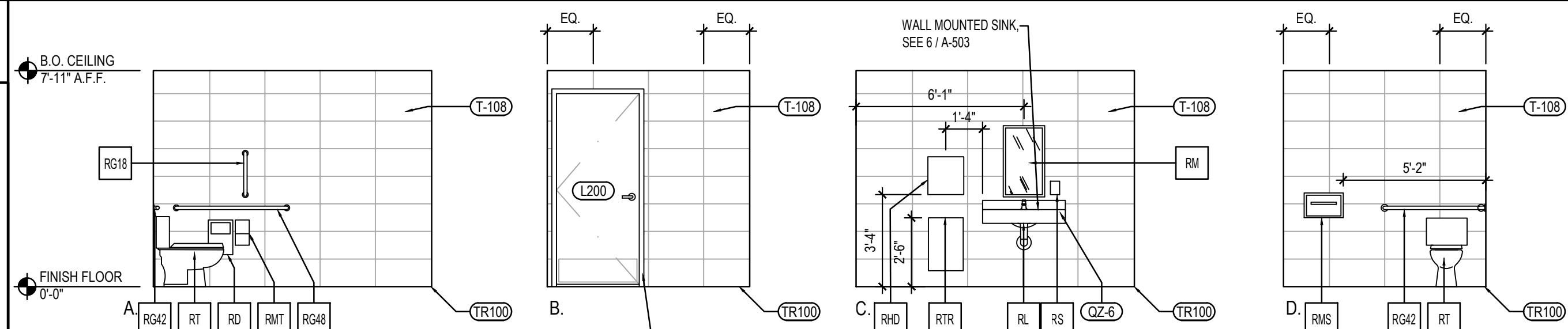


SUPPORT ISOMETRIC

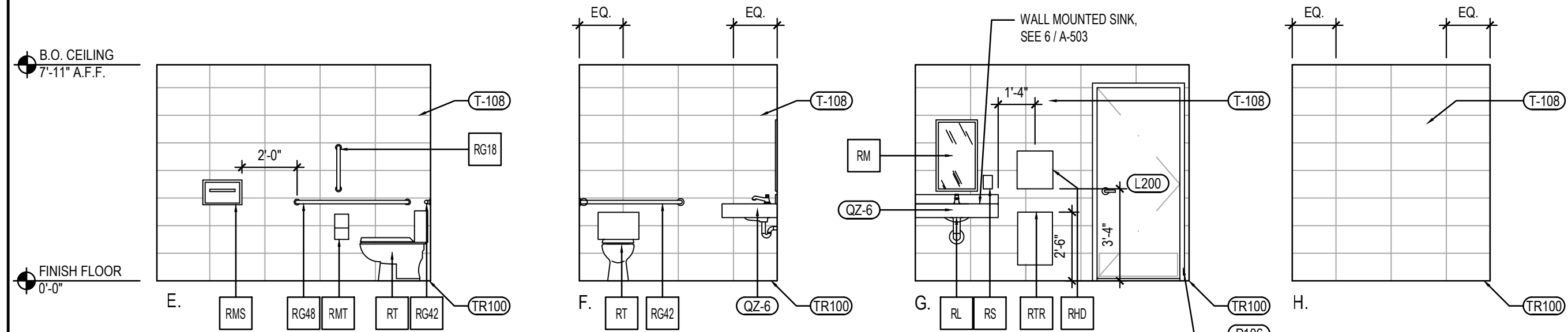
SINK DETAILS

6

Scale= 1" = 1'-0" A-503



WOMEN'S RESTROOM



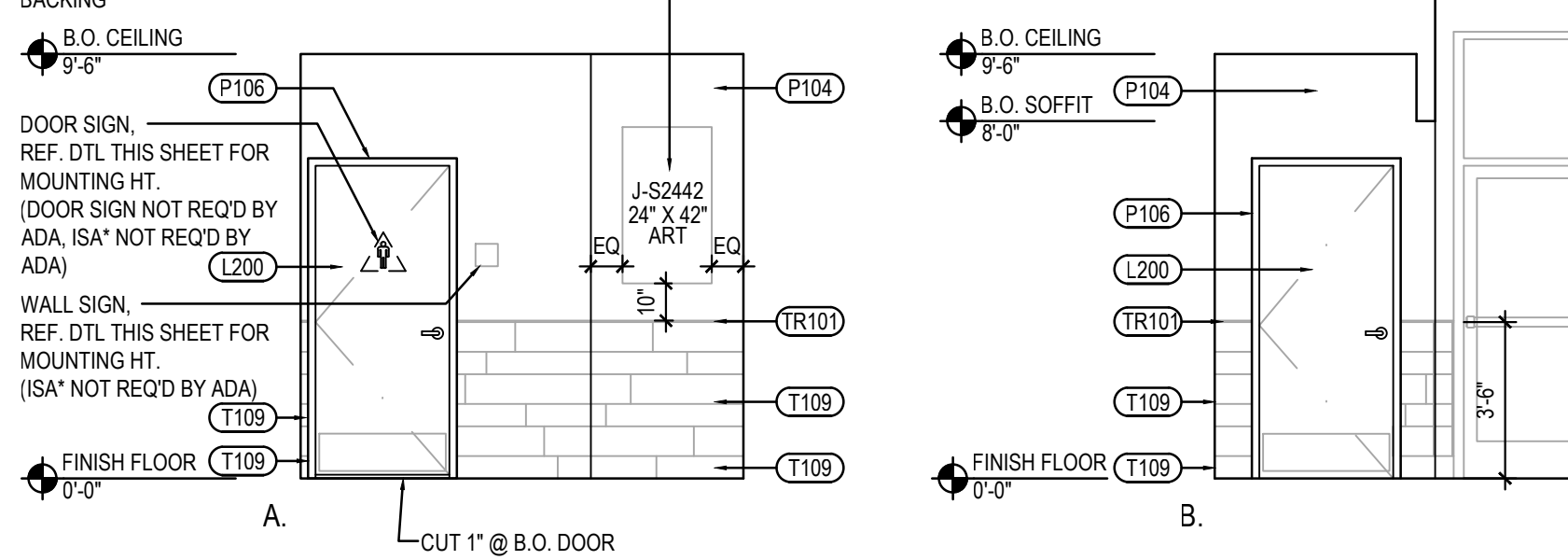
MEN'S RESTROOM

RESTROOM ELEVATIONS

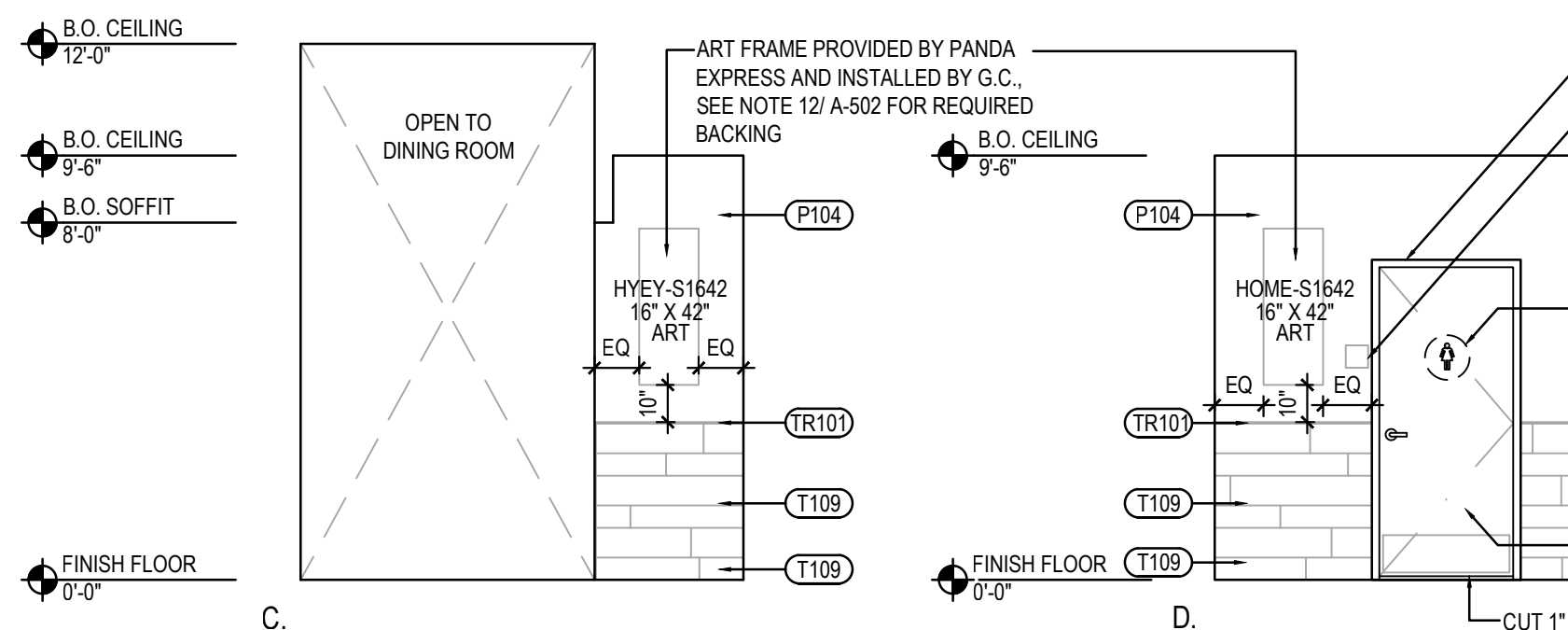
2

Scale= 1/4" = 1'-0" A-503

ART FRAME PROVIDED BY PANDA EXPRESS AND INSTALLED BY G.C. SEE NOTE 12/ A-502 FOR REQUIRED BACKING



*"ISA" = INTERNATIONAL SYMBOL OF ACCESSIBILITY



NOT USED

7

Scale= 1" = 1'-0" A-503

RESTROOM VESTIBULE ELEVATIONS

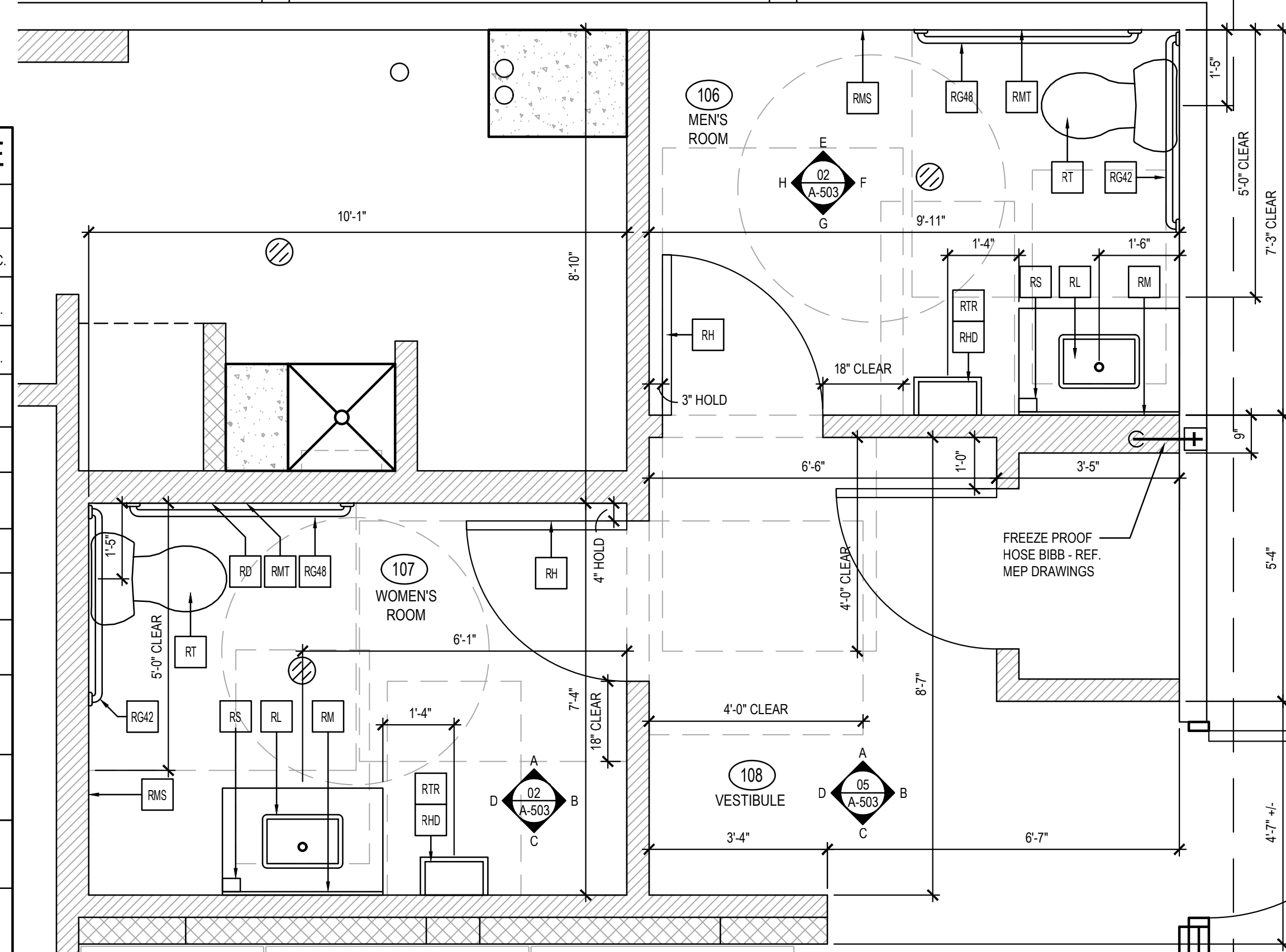
5

Scale= 1/4" = 1'-0" A-503

TOILET ACCESSORY SCHEDULE

NO	DESCRIPTION
RG42	BOBRICK GRAB BAR, 42" LONG, B-6806 1 1/2" SATIN FINISH, FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG48	BOBRICK GRAB BAR, 48" LONG, B-6806 1 1/2" SATIN FINISH, FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG18	BOBRICK GRAB BAR, 18" LONG, B-6806 1 1/2" SATIN FINISH, FURNISHED BY LOCKNET, INSTALLED BY G.C.
RM	BOBRICK CHANNEL FRAME MIRROR B-165 (1836) 18"X36" STAINLESS STEEL CHANNEL FRAME FURNISHED BY LOCKNET, INSTALLED BY G.C.
RS	SOAP DISPENSER (BY VENDOR)
RMS	BOBRICK SEAT COVER DISPENSER B-221 STAINLESS STEEL SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RTR	BOBRICK SURFACE MOUNTED TRASH RECEPTACLE MODEL # B-277, FURNISHED BY LOCKNET, INSTALLED BY G.C.
RHD	PAPER TOWEL DISPENSER FURNISHED BY PANDA EXPRESS, INSTALLED BY G.C.
RMT	BOBRICK MULTI-ROLL TOILET TISSUE DISPENSER B-2888 STAINLESS STEEL SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RT	AMERICAN STANDARD CADET RIGHT HEIGHT ELONGATED TOILET 2467.016 T.L.T. 4142.600 TANK, AMERICAN STANDARD #5321.110 SEAT, COLOR: WHITE, TRIP TO BE ON OPEN SIDE, FURNISHED AND INSTALLED BY G.C.
RL	KOHLER UNDER MOUNTED LAVATORY K-2214-G-0, 16" X 12" VITREOUS CHINA, WITH 4" CENTER FAUCET HOLES FURNISHED AND INSTALLED BY G.C.
RD	BOBRICK SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL B-254 STAINLESS STEEL SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RH	BOBRICK SURFACE-MOUNTED CLOTHES HOOK AND BUMPER B-212 SOLID ALUMINUM CASTING, MATTE FINISH, INSIDE OF RESTROOM DOORS FURNISHED BY LOCKNET, INSTALLED BY G.C.

* INSULATE ALL PIPES (TRAP & HOT WATER) AT ACCESSIBLE LAVATORIES.



ENLARGED RESTROOM PLANS

1

Scale= 1/2" = 1'-0" A-503



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REVISIONS:

NO.	DESCRIPTION	DATE

ISSUE DATE:

1st	ISSUE FOR PERMIT	11-30-18

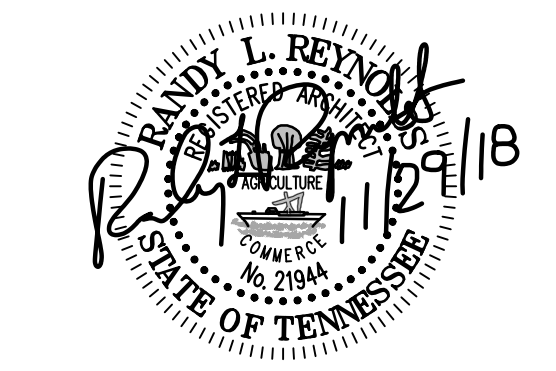
DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

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A-503

ENLARGED RESTROOM
PLANS AND ELEVATIONS

Statement of Special Inspections

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- ☒ Soils and Foundations
☒ Cast-in-Place Concrete
☐ Masonry

- ☒ Structural Steel
☒ Wood Construction
☒ Special Cases

General Notes

The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

The qualifications of all personnel performing Special Inspections and testing activities are subject to the approval of the Building Official and E.O.R. The credentials of all inspectors and testing technicians shall be provided if requested.

The special inspectors shall keep records of inspections and shall furnish inspection reports to the owner, Engineer of Record (E.O.R.) and Architect of Record (A.O.R.). Field and testing result reports shall be submitted to all designated parties as they are completed. The reports shall indicate that the work performed was done in accordance to the construction drawings. Discrepancies shall be brought to the attention of the general contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the E.O.R. prior to completion of that phase of work. A final report that documents required special inspections and corrections of discrepancies shall be submitted by the General Contractor to the Owner, E.O.R. and A.O.R.

Soils and Foundations

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Shallow Foundations	<i>Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.</i> <i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill.</i>	<i>P</i> <i>C</i>
2. Controlled Structural Fill	<i>Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i> <i>Inspect placement, lift thickness and compaction of controlled fill.</i> <i>Test density of each lift of fill by nuclear methods (ASTM D2922)</i> <i>Verify extent and slope of fill placement.</i>	<i>C</i>

Note:

1. Special Inspection is not required during placement of controlled fill having a total depth of 12 inches or less.

Cast-in-Place Concrete

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Mix Design	<i>Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design. Submit proposed mix design of each class of concrete to Structural Engineer of Record and to inspection and testing firm for review prior to commencement of work.</i>	<i>P</i>
2. Material Certification	<i>Review for conformance to contract documents. Submit to Structural Engineer of Record for review.</i>	<i>P</i>
3. Anchor Rods	<i>Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.</i>	<i>C</i>
4. Concrete Placement	<i>Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.</i>	<i>C</i>
5. Sampling and Testing of Concrete	<i>Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064). Three concrete test cylinders will be taken for every 75 or less cubic yards of each class of concrete placed, or concrete placed on any given day. One additional test cylinder will be taken during cold weather concreting, cured on job site under same conditions as concrete represents.</i>	<i>C</i>
6. Curing and Protection	<i>Inspect curing, cold weather protection and hot weather protection procedures.</i>	<i>P</i>

Note: Special Inspection is not required for flatwork patios, driveways and sidewalks, on grade not shown on structural drawings.

Structural Steel

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	<i>Review shop fabrication and quality control procedures. (Note: Fabricator may be exempt if certified by AISC.)</i>	<i>P</i>
2. Material Certification	<i>Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes.</i>	<i>P</i>
3. Welding	<i>Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.</i> <i>Ultrasonic testing of all full-penetration welds.</i> • Complete and partial penetration groove welds shall be inspected continuously • Multi-pass fillet welds shall be inspected continuously. • Single-pass fillet welds ($> \frac{1}{8}"$) shall be inspected continuously. • Single-pass fillet welds ($< \frac{1}{8}"$) shall be inspected periodically. • Floor and deck welds shall be inspected periodically.	<i>-</i>
4. Structural Details	<i>Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.</i>	<i>P</i>

Wood Construction

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	<i>Inspect shop fabrication and quality control procedures for wood truss plant.</i> <i>Confirm certification of supplier.</i>	<i>P</i>
2. Material Grading	<i>Inspect grade stamps on structural lumber for compliance with the contract documents.</i>	<i>P</i>
3. Connections	<i>Verify connection hardware and its installation. Inspect bearing, nails, bolts, hangers or clips, or other devices are tight and otherwise properly installed per the contract documents.</i>	<i>C</i>
4. Framing and Details	<i>Inspect members for size and placement for conformance to the SER approval submittals and contract document. Review engineered joist shop drawings. Submit to SER for review.</i>	<i>P</i>
5. Diaphragms & Shearwalls	<i>Inspect thickness and grade of plywood (or OSB), blocking, placement, embedment, size of hold down anchors and the edge and field nailing of the plywood (or OSB) to the framing for conformance to the contract documents.</i>	<i>C</i>
6. Prefabricated Wood Trusses	<i>Inspect the fabrication of wood trusses. Bottom chord splices are prohibited in the middle third point of the truss.</i>	<i>P</i>
7. Permanent Truss Bracing	<i>Bridging and bracing installed per the approved truss shop drawings.</i>	<i>P</i>

Special Cases

Item	Scope	Monitoring: Periodic (P) Continuous (C)
Epoxy Anchors in Concrete or CMU	<i>Review anchors and product being used for conformance to contract documents. Observe installation for compliance to manufacturers specifications. Perform pull test to 125% of allowable design load per manufacturer specifications. (Minimum of 10% of total anchors, to include a minimum of one of each type, size or embedment.)</i>	<i>C</i>

STRUCTURAL NOTES

GENERAL

- THIS PROJECT SHALL MEET ALL REQUIREMENTS OF THE 2012 INTERNATIONAL BUILDING CODE WITH 2012-2018 GEORGIA STATE AMENDMENTS.
- THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL OPENINGS (COORDINATE WITH APPLICABLE TRADES). THE CONTRACTOR SHALL PROVIDE FOR ALL OPENINGS, WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. ANY DEVIATION FROM OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.
- COMPLETE SHOP DRAWINGS AS REQUIRED FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH REVIEW BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK. ALLOW TEN (10) BUSINESS DAYS FOR REVIEW FROM THE TIME SUBMITTALS ARE RECEIVED IN OUR OFFICE.
- STRUCTURAL CONTRACT DRAWINGS SHALL NOT BE REPRODUCED, IN PART OR WHOLE, FOR USE AS SHOP DRAWINGS. SHOP DRAWINGS SUBMITTED AS SUCH WILL BE REJECTED WITHOUT REVIEW.
- ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO THE STRUCTURE OR ANY PART OF THE STRUCTURE DETAILED ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
- THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
- THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.

SPECIAL INSPECTION

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION: (REFERENCE SHEET S-000 FOR ADDITIONAL INFORMATION.)

- SOILS AND FOUNDATIONS
- CAST-IN-PLACE CONCRETE
- STRUCTURAL STEEL
- WOOD CONSTRUCTION
- SPECIAL CASES (EPOXY ANCHORS)

DESIGN LOADS

- ROOF DEAD LOADS: 20 PSF
- 1.1. REFER TO ROOF PLAN FOR ADDITIONAL MECHANICAL EQUIP LOADS
- ROOF LIVE LOADS: 20 PSF
- ROOF SNOW DATA:
 - GROUND SNOW LOAD, PG : 10 PSF
 - EXPOSURE FACTOR, C : 1.0
 - IMPORTANCE FACTOR, I : 1.0
 - THERMAL FACTOR : 1.0
 - FLAT ROOF SNOW LOAD, PSF : 10 PSF
- WIND DESIGN DATA (ASCE 7-10):
 - BASIC WIND SPEED (3 SEC. GUST) : 115 MPH
 - IMPORTANCE FACTOR, I : 1.0
 - OCCUPANCY CATEGORY : II
 - EXPOSURE CATEGORY : B
 - INTERNAL PRESSURE COEFFICIENT: 0.18
 - COMPONENT & CLADDING LOAD : 20 PSF
- SEISMIC DESIGN DATA:
 - IMPORTANCE FACTOR, I : 1.0
 - OCCUPANCY CATEGORY : II
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 - $S_s = 0.285$
 - $S_1 = 0.139$
 - SITE CLASS : C
 - SPECTRAL RESPONSE COEFFICIENTS:
 - $S_{ds} = 0.228$
 - $S_{d1} = 0.154$
 - DESIGN CATEGORY : C
- BASIC SEISMIC FORCE RESISTING SYSTEM: PLYWOOD SHEAR WALLS
- RESPONSE MODIFICATION FACTOR, R = 6.5
- RESPONSE COEFFICIENT, $C_s = 0.031$
- ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE
- DESIGN BASE SHEAR : 1.53 KIPS

FOUNDATION DESIGN AND SITEWORK FOR BUILDING

- THE ACTUAL BEARING GRADE SHALL BE CHECKED IN THE FIELD DURING CONSTRUCTION BY A SOILS CONSULTANT TO ENSURE THAT THE FOUNDATION SYSTEM IS SUPPORTED BY SUITABLE BEARING SOILS AND WILL PERFORM IN ACCORDANCE WITH THE ASSUMED CONDITIONS.
- FOUNDATION DESIGN AND SITEWORK SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE. A WRITTEN VERIFICATION SIGNED AND SEALED BY A GEOTECHNICAL ENGINEER SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD STATING THAT THE BEARING ELEVATIONS EXPOSED AFTER SITE STRIPPING HAVE BEEN INSPECTED AND ARE ADEQUATE TO SUPPORT A MINIMUM OF 2000 PSF (ALLOWABLE SOIL BEARING CAPACITY) AND THE SOILS SUPPORTING THE SLAB-ON-GRADE ARE ADEQUATE TO MINIMIZE DIFFERENTIAL MOVEMENT TO LESS THAN $\frac{1}{8}"$ AND TOTAL MOVEMENT TO LESS THAN $\frac{1}{4}"$.
- REMOVE ALL VEGETATION AND DEBRIS, INCLUDING PAVEMENTS, SIDEWALKS, BUILDING FOUNDATIONS, AND ABANDONED UTILITIES.
- REMOVE ORGANIC SOILS PER GEOTECHNICAL RECOMMENDATIONS.
- PROOFROLL THE EXPOSED SUBGRADE TO DETECT SOFT OR YIELDING SOILS. REMOVE ANY SOFT OR YIELDING SOILS, SCORIFY, MOISTURE CONDITION AND RECOMPACT IN ACCORDANCE WITH ASTM D-698.
- SOILS EXCAVATED FROM THE SITE THAT ARE FREE OF DELETERIOUS MATERIALS MAY BE USED AS FILL.
- RAISE EXCAVATIONS AND LOW AREAS WITH COMPACTED FILL (ASTM D-698).
- STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. THE IN-PLACE MOISTURE CONTENT FOR COHESIVE SOILS SHALL NOT VARY BY MORE THAN $\pm 2\%$ TO $\pm 3\%$ AND GRANULAR SOIL $\pm 3\%$ OF THE OPTIMUM MOISTURE CONTENT.
- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING PRESSURE OF 2,000 PSF AT MINIMUM 36" INTO SUITABLE EXISTING SOILS. MINIMUM CONTINUOUS FOOTING WIDTH IS 16 INCHES.
- PROVIDE POSITIVE DRAINAGE AWAY FROM EXCAVATIONS SO AS NOT TO ALLOW STANDING WATER FOR LONG PERIODS OF TIME.
- PROVIDE A 10 MIL THICK VAPOR BARRIER BETWEEN THE COMPACTED BASE AND CONCRETE SLAB.
- DO NOT PUNCTURE THE VAPOR BARRIER, LAP AND TAPE ENDS.
- BACKFILL AND COMPACT UTILITY TRENCHES AS DESCRIBED ABOVE.
- PERFORM ALL SITEWORK UNDER THE DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER.

CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, (U.N.O.).
- MINIMUM CEMENT CONTENT SHALL BE 5 SACKS PER CUBIC YARD.
- TYPE C OR F FLY ASH MAY BE USED UP TO 20% OF TOTAL CEMENT CONTENT BY VOLUME. THIS IS ONLY FOR CONCRETE SPECIFIED IN THESE STRUCTURAL DRAWINGS. REFER TO SPECIFICATIONS BY OTHER DISCIPLINES.
- MAXIMUM SLUMP SHALL BE 5 IN., U.N.O.
- MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301.
- DO NOT USE CALCIUM CHLORIDE.
- CONCRETE TEST REPORTS SHALL BE MADE AVAILABLE AT THE JOB SITE.

REINFORCING STEEL

- BARS SHALL BE ASTM A615, GRADE 60.
- DETAIL, FABRICATE, AND PLACE IN CONFORMANCE WITH ACI 315 AND 318.
- LAP ALL REINFORCING STEEL 40 BAR DIAMETERS (U.N.O.).
- LAP CONTINUOUS BARS IN GRADE BEAMS 40 BAR DIAMETERS (U.N.O. ON DRAWINGS). TOP BARS TO BE SPLICED BETWEEN SUPPORTS AND BOTTOM BARS TO BE SPLICED AT SUPPORTS, AS APPLICABLE.
- PROVIDE ACCESSORIES FOR SUPPORT OF ALL REINFORCING.
- SUBMIT SHOP DRAWINGS SHOWING ALL REINFORCING FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER - 2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND - $\frac{3}{4}"$

CONCRETE MASONRY UNITS

- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, TYPE 1, WITH COMPRESSIVE STRENGTH (f_m) OF 1,500 PSI
- GROUT FOR CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI
- MORTAR SHALL BE TYPE N, U.N.O.
- REINFORCING IN MASONRY WALLS SHALL BE GRADE 60, ASTM A615.
- TYPICAL REINFORCING:
 - VERTICAL - REF. PLAN FOR SIZE AND SPACING
 - HORIZONTAL - #9 WIRE IN BUR-O-WALL (LADUR TRUSS TYPE) OR APPROVED EQUAL AT 16" O.C. IN MASONRY WALLS, EXCEPT AT 8" O.C. FOR WALL BELOW GRADE OR STACK BOND WALLS (U.N.O. ON DRAWINGS).
- MATERIALS AND WORKMANSHIP SHALL CONFORM TO DESIGN REQUIREMENTS BASED UPON THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", ACI 530.

POST-INSTALLED ANCHORS

- EXCEPT WHERE NOTED ON DRAWINGS, USE WWW.STRONGTIE.COM FOR ADDITIONAL PRODUCT DATA. IT IS ACCEPTABLE TO USE THE SIMPSON SET-XP ADHESIVE SYSTEM OR APPROVED EQUAL (TYP., U.N.O.) (CC ESR-2508).
- EXCEPT WHERE INDICATED ON THE DRAWINGS, HILTI PRODUCTS MAY BE USED. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.
- ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
- INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS. THREADED ROD AND REBAR DIAMETERS AND EMBEDMENT LENGTHS SHALL BE AS NOTED ON DRAWINGS.
- OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING PRODUCTS WHICH HAVE SPECIFIC APPLICATIONS THAT ARE INTENDED FOR OVERHEAD USE.
- THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
- ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHAPES AND PLATES SHALL BE ASTM A36, U.N.O.
- ANCHOR BOLTS SHALL BE ASTM F1554, TYPICAL, U.N.O.
- TUBE STEEL SHALL BE ASTM A500, GRADE B.
- BOLTS SHALL BE ASTM A325, $\frac{3}{4}"$ DIA. (MIN.), U.N.O.
- STEEL DESIGN IS BASED ON THE CURRENT AISC MANUAL OF STEEL CONSTRUCTION (ASD).
- WELDING ELECTRODES SHALL BE SERIES E70XX.
- PERFORM WELDING IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY'S AWS D1.1 "STRUCTURAL WELDING CODE."
- STEEL FABRICATORS SHALL BE A COMPANY THAT IS CERTIFIED BY AISC. (NOTE: IF NOT CERTIFIED BY AISC, THEN SPECIAL INSPECTION FOR REVIEW OF SHOP FABRICATION AND QUALITY CONTROL PROCEDURES IS REQUIRED.)
- SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF MEMBERS, BRIDGING, BRACING AND ERECTION DETAILS.
- SHOP PAINT: REFER TO SPECIFICATIONS.
- FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL.

LIGHT GAGE METAL FRAMING

- STEEL STUD SIZES SHALL BE AS NOTED ON THE DRAWINGS, CONFORMING TO SSMA STANDARDS.
- FABRICATE AND ERECT AS SPECIFIED. MANUFACTURER SHALL SUPPLY ALL CLIPS, FASTENERS, TEMPORARY BRACING, ACCESSORIES, STANDARD BRIDGING, ETC.
- ALL STEEL STUDS SHALL HAVE A MINIMUM $1\frac{1}{2}"$ FLANGE WITH A $\frac{1}{2}"$ RETURN (U.N.O.).
- ALL STUDS 18 GAGE AND THINNER SHALL HAVE A MINIMUM YIELD STRENGTH, F_y , OF 33 KSI AND TENSILE STRENGTH, F_u , OF 45 KSI. ALL STUDS 16 GAGE AND THICKER SHALL HAVE A MINIMUM STRENGTH OF 50 KSI AND TENSILE STRENGTH OF 65 KSI (U.N.O.).
- TRACK SECTIONS SHALL BE EQUAL GRADE AND GAGE THICKNESS OF STUDS BEING USED, TYPICAL, U.N.O.
- ALL FASTENERS SHALL BE SELF-TAPPING NO. 12-14 GAGE SCREWS, OR WELD IN ACCORDANCE WITH SECTION 6.0 OF THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE - SHEET METAL" (AWS D1.3) AS SHOWN ON DRAWINGS.

STRUCTURAL WOOD

- WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.
- WOOD FRAMING 2 INCHES X 4 INCHES AND LARGER SHALL BE NO. 2 SOUTHERN PINE, NO. 2 DOUGLAS FIR LARCH, OR EQUIVALENT (U.N.O.).
- WOOD COLUMNS 6 INCHES X 6 INCHES AND LARGER SHALL BE NO. 1 SOUTHERN PINE, NO. 1 DOUGLAS FIR LARCH, OR EQUIVALENT.
- ALL EXPOSED WOOD RAFTERS AND COLUMNS SHALL BE "SELECT" GRADE AS DESCRIBED IN AITC.
- ALL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED (USE CATEGORY 2 UNLESS SPECIFICALLY NOTED OTHERWISE) FOR WEATHER PROTECTION. ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED (USE CATEGORY 3B AS SPECIFIED BY AWPA) OR WESTERN RED CEDAR.
- GLUED-LAMINATED MEMBERS SHALL BE DOUGLAS FIR INDUSTRIAL GRADE (24F-V8) OR APPROVED EQUAL U.N.O. MEMBER SIZES ARE BASED ON CURRENT NDS WESTERN SPECIES. GRADE 24F-V4 MAY BE SUBSTITUTED FOR SIMPLY SUPPORTED SPANS ONLY.
- PRE-FABRICATED METAL PLATED WOOD TRUSSES
 - TRUSS FABRICATION AND INSTALLATION SHALL COMPLY WITH THE FOLLOWING STANDARDS:
 - AND/THP 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION".
 - TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES".
 - TPI DBS "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".
 - TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:
 - TOP CHORD:
 - DEAD LOAD = 10 PSF
 - LIVE LOAD = 20 PSF
 - BOTTOM CHORD:
 - DEAD LOAD = 10 PSF
 - LIVE LOAD = 5 PSF (NON-CONCURRENT)
 - REFERENCE ROOF PLAN FOR ADDITIONAL MECHANICAL EQUIPMENT LOADS.
 - REQUIRED UPLIFT
 - ALL TRUSS-TO-TRUSS CONNECTORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER. TRUSS-TO-FRAMING CONNECTORS SHALL BE SPECIFIED BY THE ENGINEER OF RECORD, UNLESS SPECIFICALLY NOTED.
 - BOTTOM CHORD TENSION SPLICES ARE PROHIBITED WITHIN THE MIDDLE $\frac{1}{3}$ OF THE SPAN.
 - FABRICATOR SHALL SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF MEMBERS, BRIDGING, BRACING, ERECTION DETAILS, TRUSS PENETRATIONS, AND DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER (STATE).
 - ROOF DECK
 - ALL ROOF DECK SHALL BE APA RATED CDX EXTERIOR PLYWOOD OR ORIENTED STRAND BOARD.
 - ROOF SHEATHING SHALL BE $\frac{3}{32}"$ INCH THICK MINIMUM (48/24) U.N.O.
 - STAGGER ENDS OF SHEETS.
 - PROVIDE BLOCKING AT EDGES OF ALL ROOF SHEETS.
 - NAIL EDGES OF ROOF SHEETS AT 6 IN. O.C. MAXIMUM (U.N.O.).
 - NAIL FACES OF ROOF SHEETS AT 12 IN. O.C. MAXIMUM.
 - USE MINIMUM 10d COMMON NAILS (U.N.O.).
 - WALL SHEATHING
 - ALL WALL SHEATHING SHALL BE APA RATED CDX EXTERIOR PLYWOOD OR ORIENTED STRAND BOARD.
 - WALL SHEATHING SHALL BE $\frac{1}{32}"$ INCH THICK MINIMUM (32/16) U.N.O.
 - STAGGER ENDS OF SHEETS.
 - PROVIDE BLOCKING AT EIT EDGES OF ALL SHEARWALL SHEETS.
 - NAIL EDGES OF SHEARWALL SHEETS PER SCHEDULE ON PLAN (OTHER WALLS AT 6 IN. O.C. MAXIMUM).
 - NAIL FACES OF WALL SHEETS AT 12 IN. O.C. MAXIMUM.
 - USE MINIMUM 10d COMMON NAILS (U.N.O.).
 - CONNECTORS SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL. CONNECTORS USED WITH PRESSURE TREATED LUMBER OR IN UNCONDITIONED SPACE, SHALL HAVE THE ZMAX (6185) COATING.
 - NAILING, UNLESS NOTED OTHERWISE, SHALL BE PER THE 2009 INTERNATIONAL BUILDING CODE.



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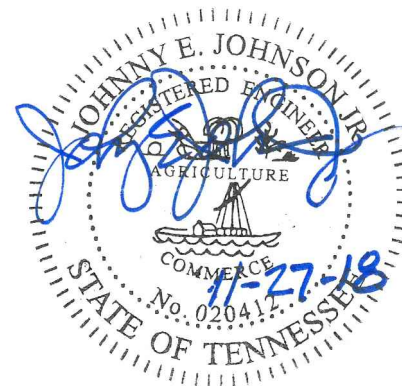
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ARCH PROJECT #: 1805

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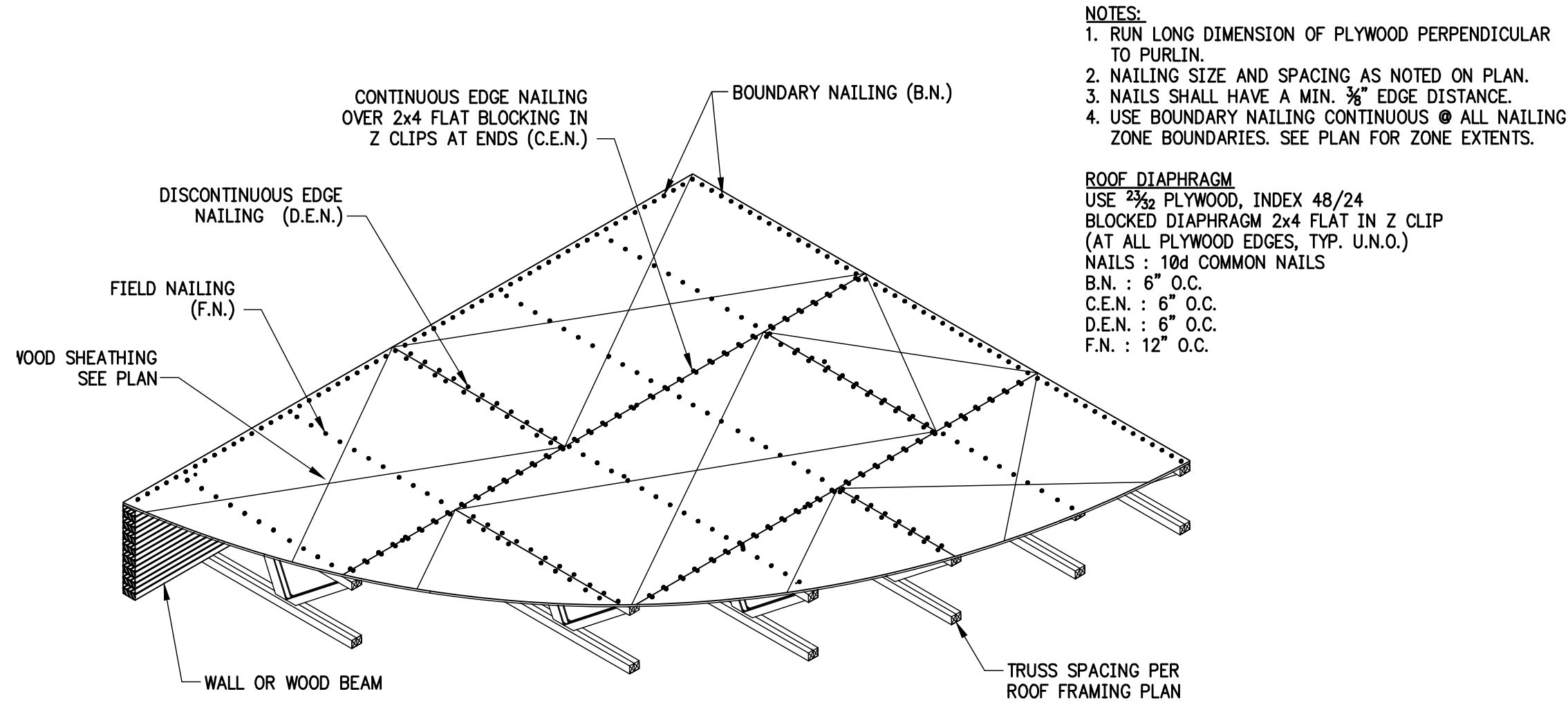
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S-000

STRUCTURAL NOTES AND
SPECIAL INSPECTIONS

FOUNDATION PLAN



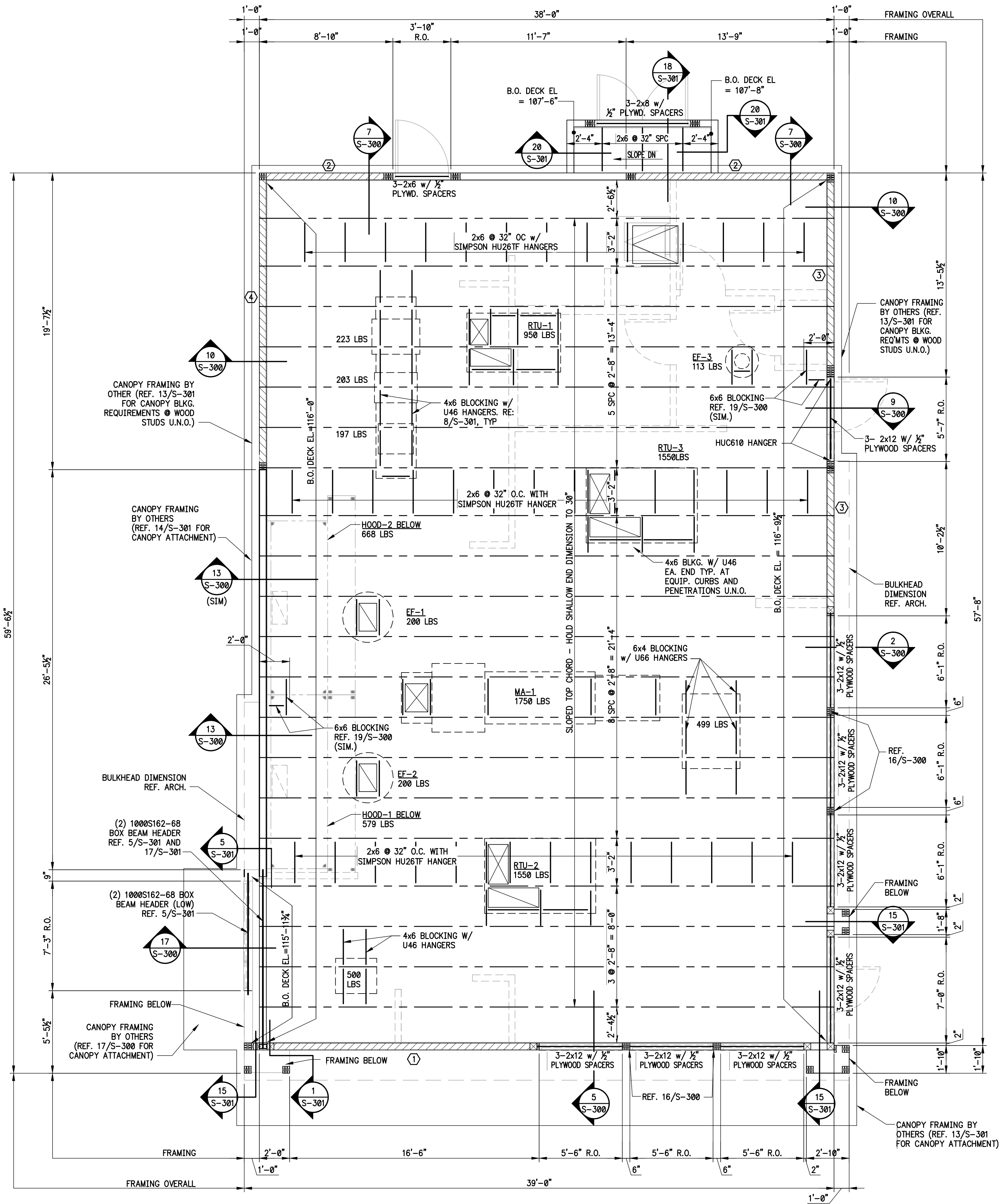
TYPICAL ROOF DIAPHRAGM DETAIL

2

S-101

PLAN NOTES

1. REF. SHEET S-000 FOR STRUCTURAL NOTES AND SPECIAL INSPECTIONS.
2. REF. 9/S-301 FOR TYPICAL SUSPEND THREADED ROD SUPPORT DETAIL AS REQUIRED.
3. REF. 7/S-301 & 12/S-301 FOR TYPICAL SOFFIT FRAMING AT SERVICE COUNTER. REFER TO ARCH. FOR LOCATION.
4. REF. 2/S-301 FOR TYPICAL HEADER DETAIL AS REQUIRED U.N.O.
5. REF. 8/S-301 FOR TYPICAL MECHANICAL UNIT SUPPORT DETAIL AS REQUIRED.
6. REF. 6/S-301 FOR TYPICAL BRIDGING AND BRACING DETAIL AS REQUIRED.
7. REF. 10/S-301 FOR TYPICAL PARTITION WALL SUPPORT PARALLEL TO TRUSS DETAIL AS REQUIRED.
8. REF. 11/S-301 FOR TYPICAL PARTITION WALL SUPPORT PERPENDICULAR TO TRUSS DETAIL AS REQUIRED.



ROOF NOTES

1

S-101



ROOF FRAMING PLAN

A

1/4"=1'-0"

S-101



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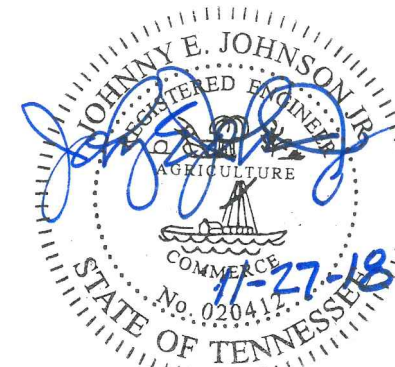
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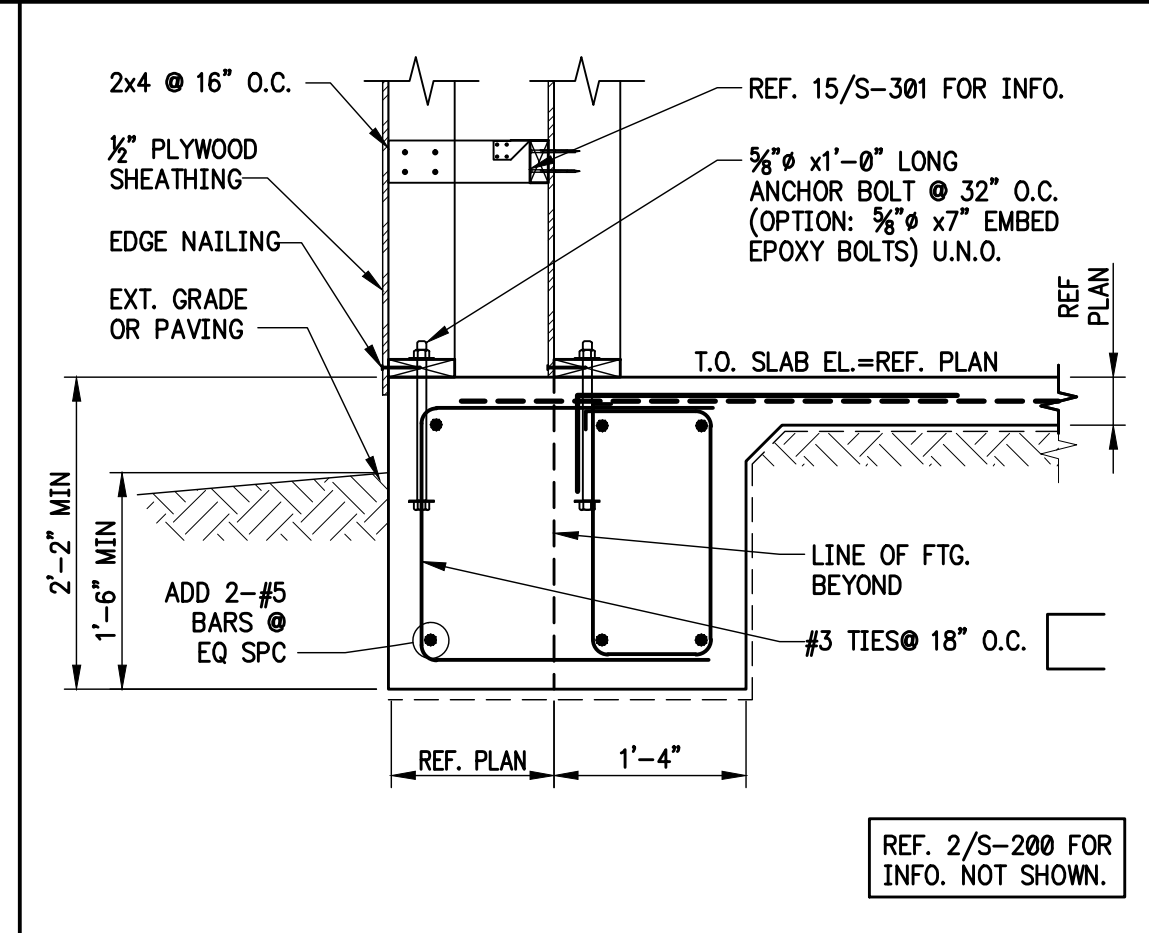
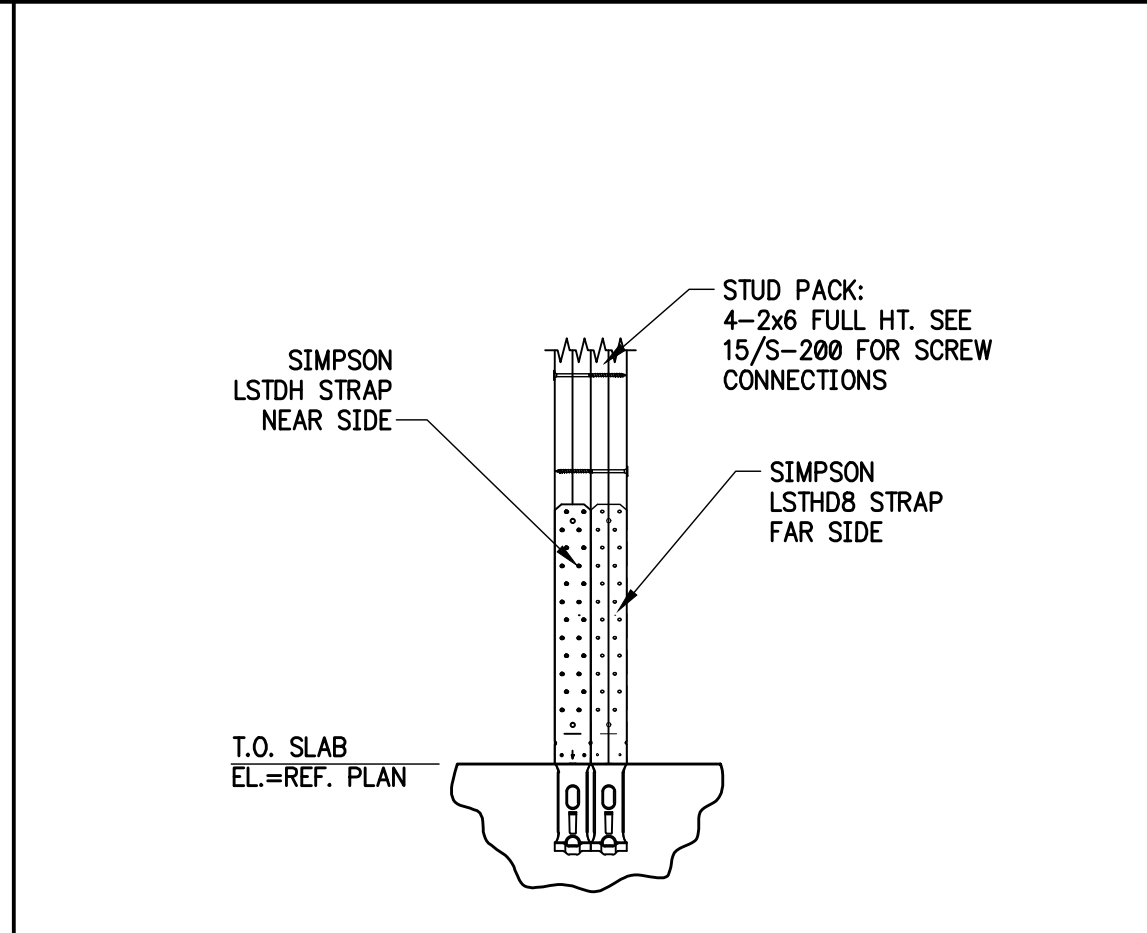
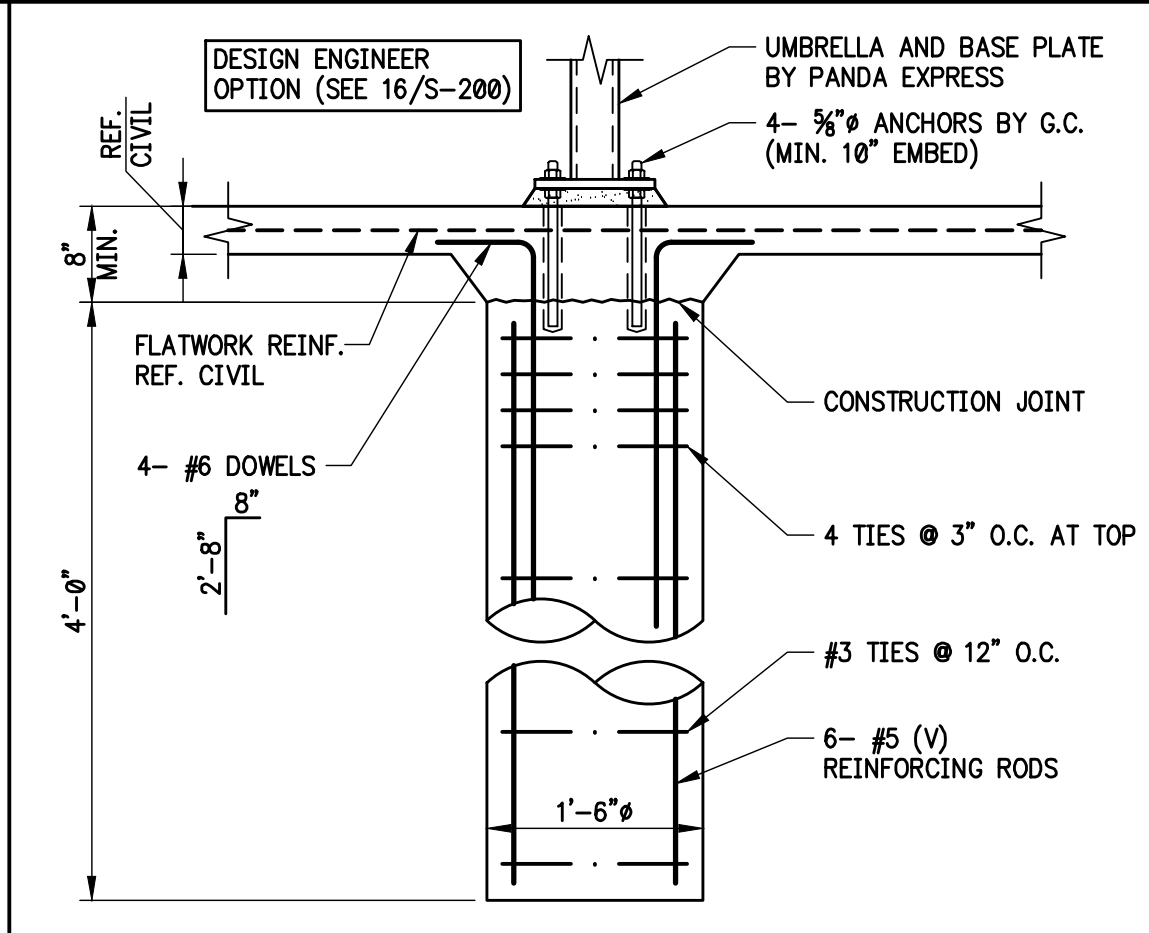
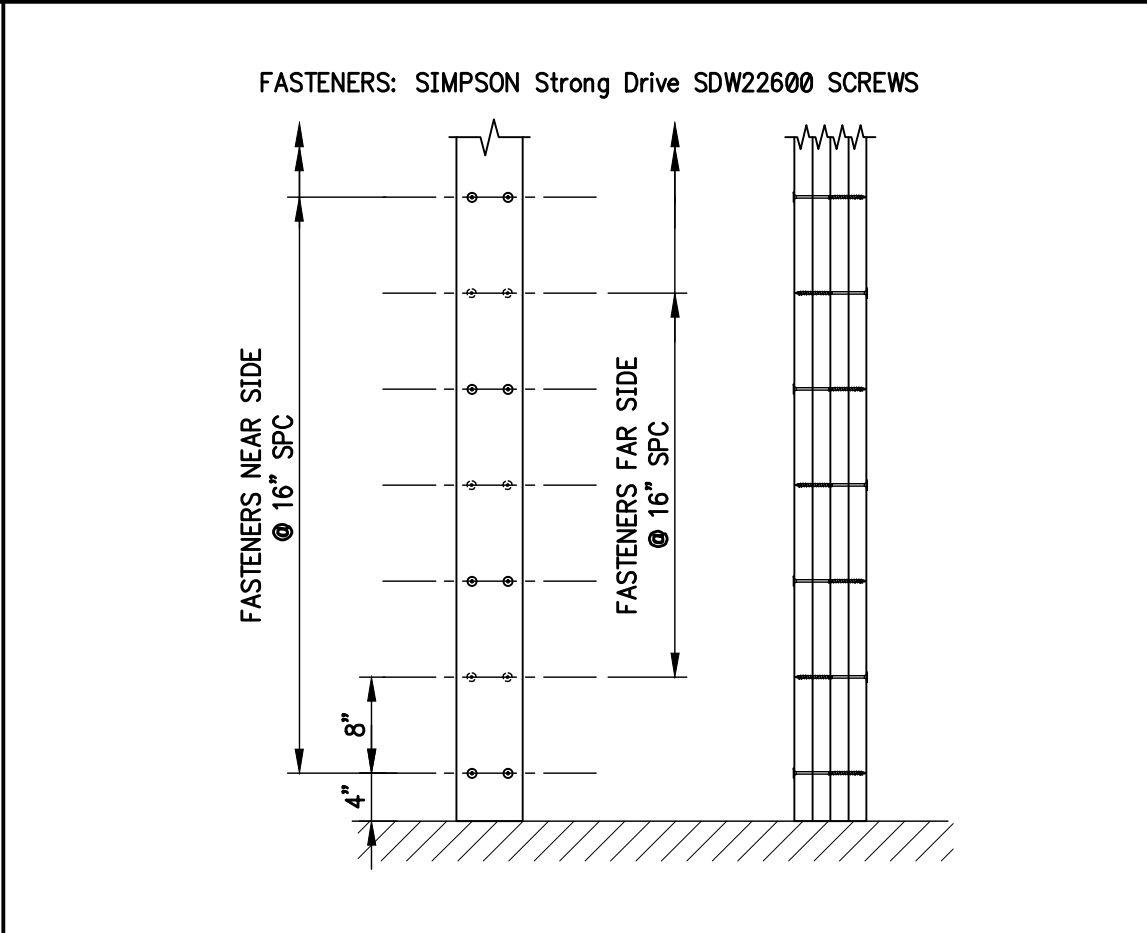


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ROOF FRAMING PLAN



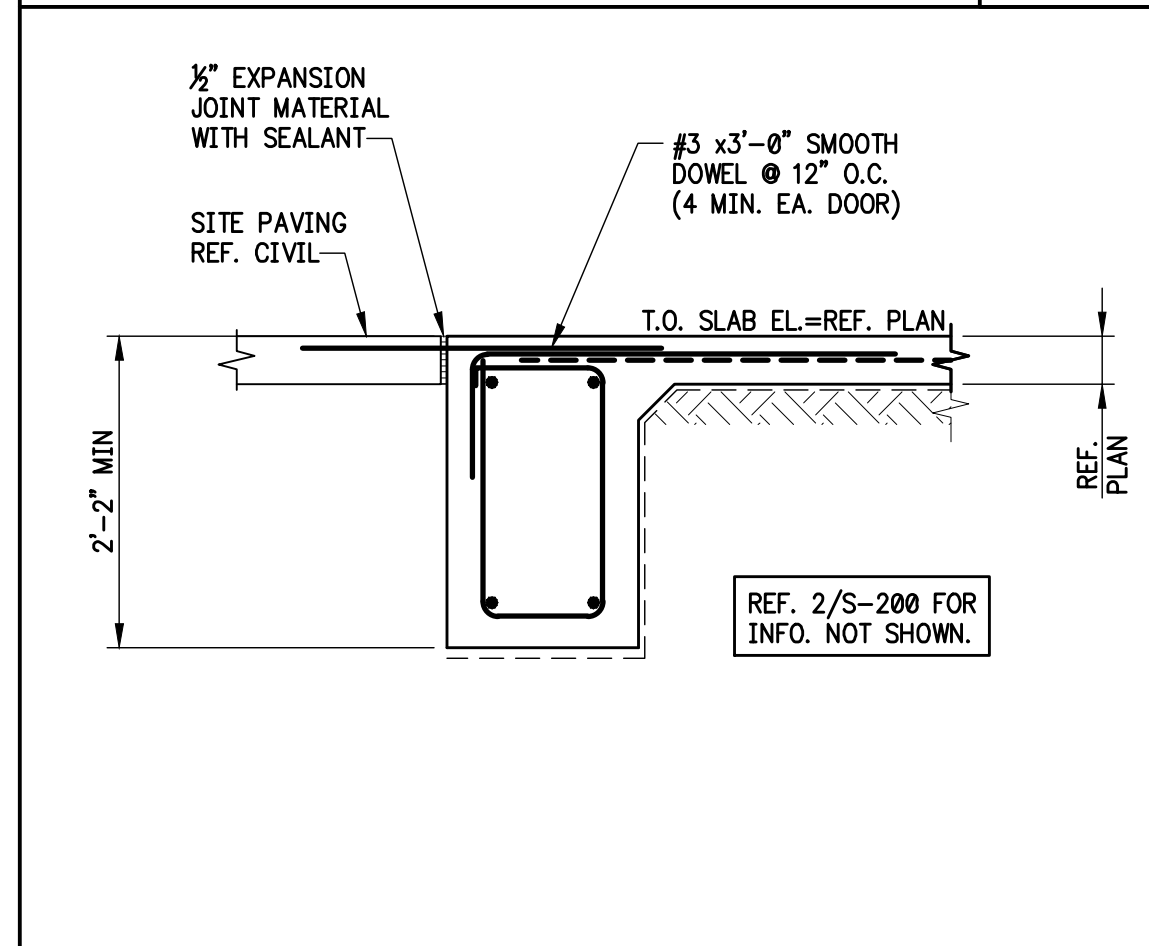
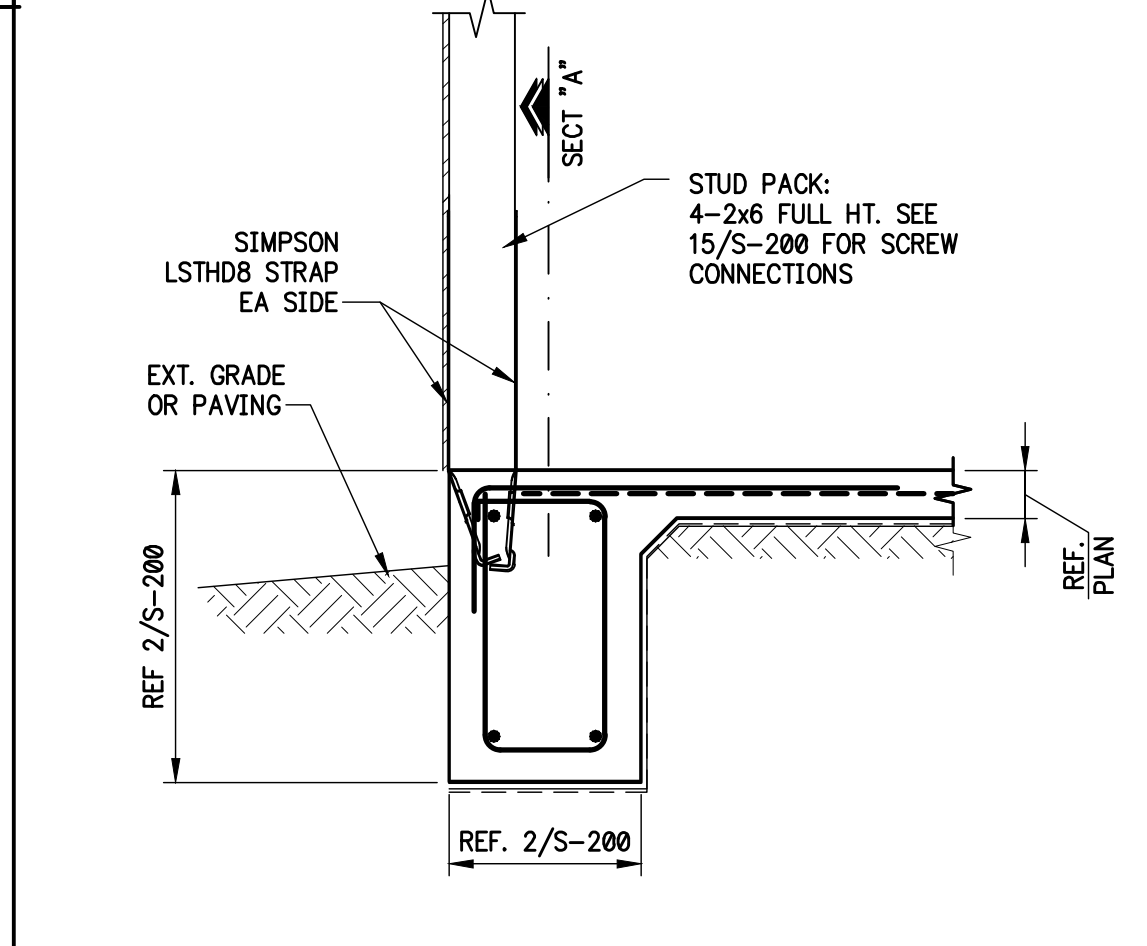
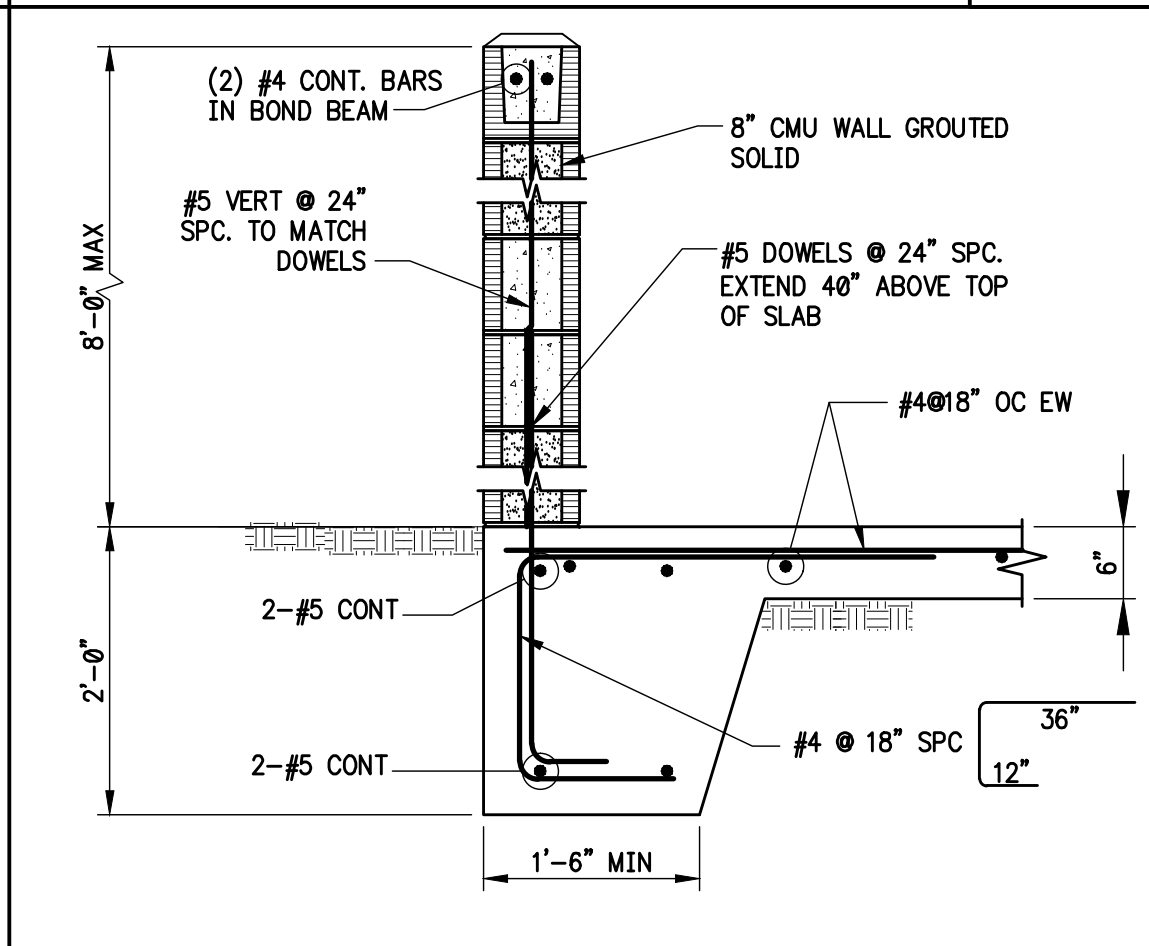
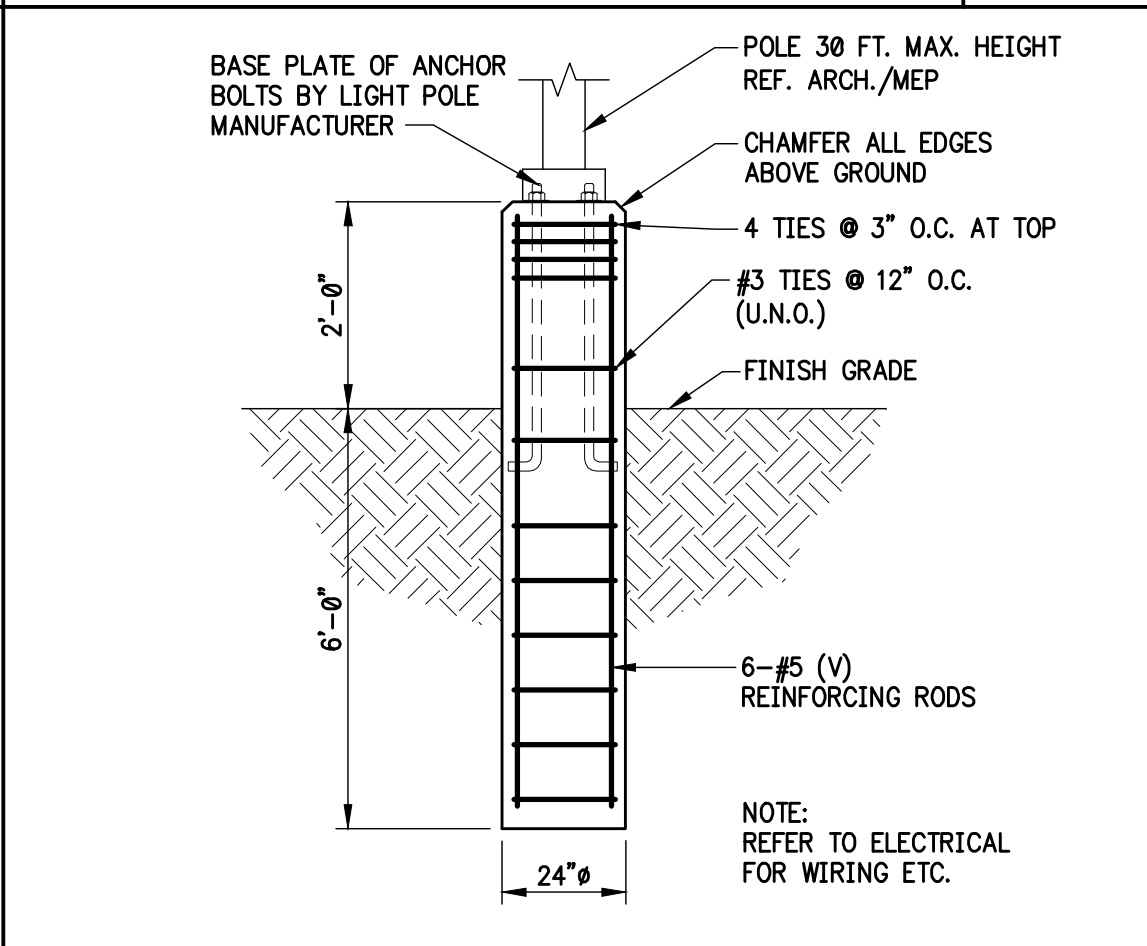
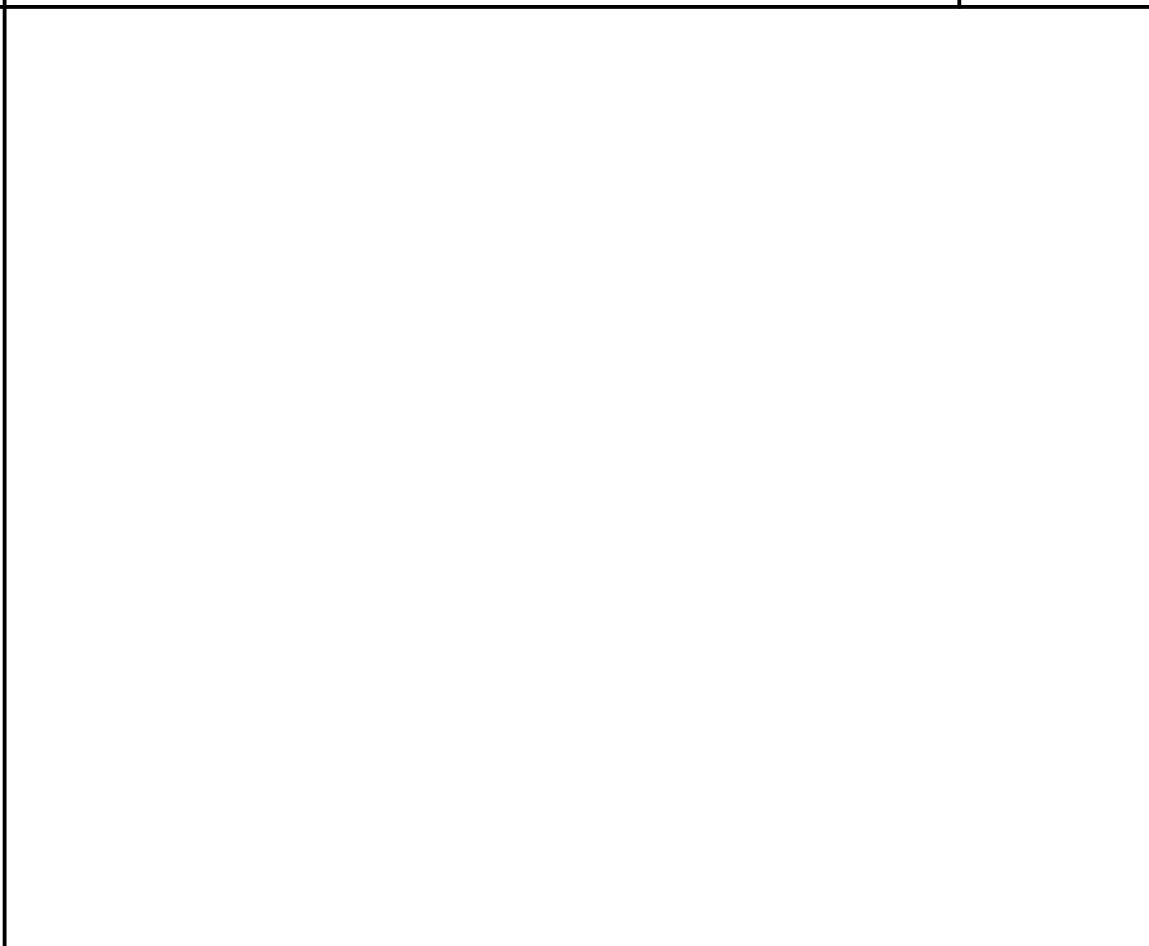
BUILT-UP POST FASTENERS 15

SCALE: 3/4"=1'-0" S-200

UMBRELLA FOUNDATION 12

SCALE: 3/4"=1'-0" S-200

SECTION 4



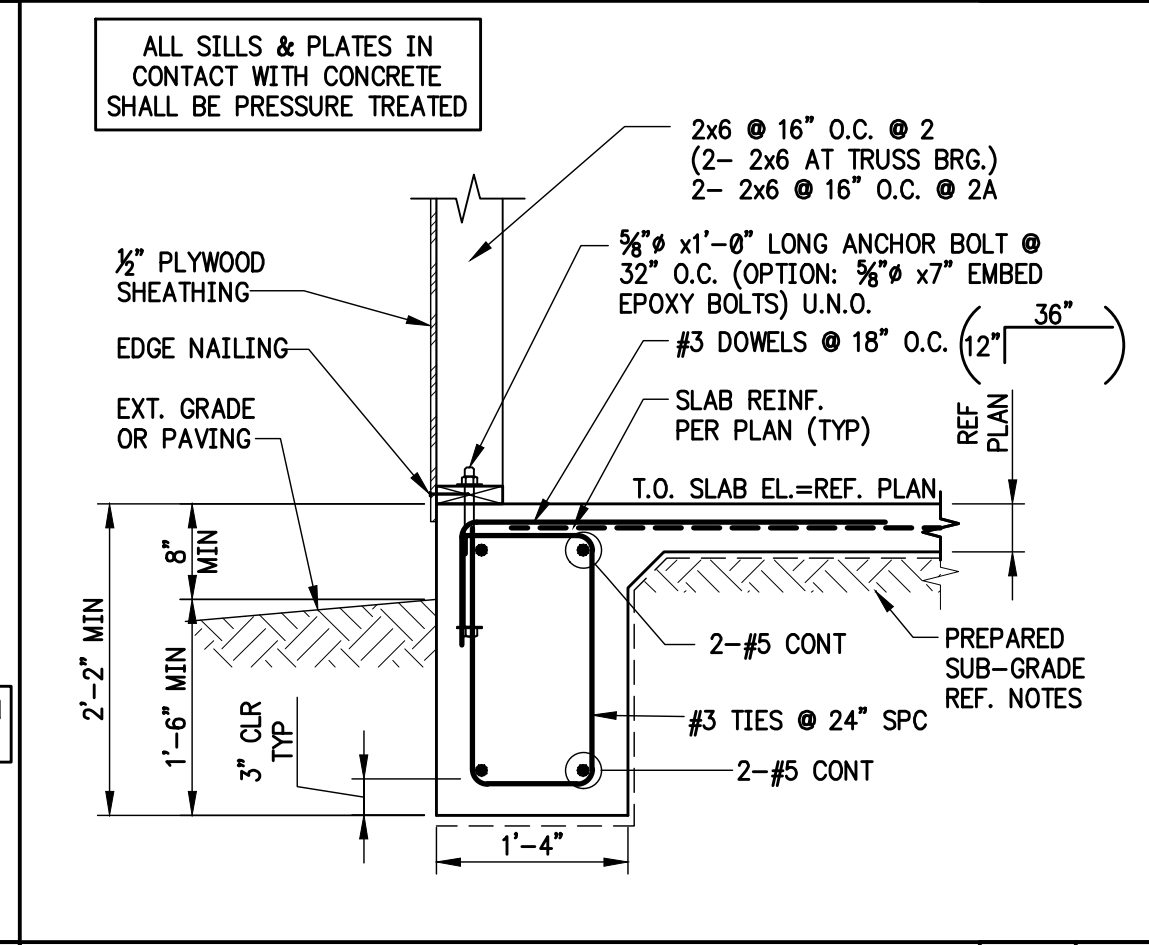
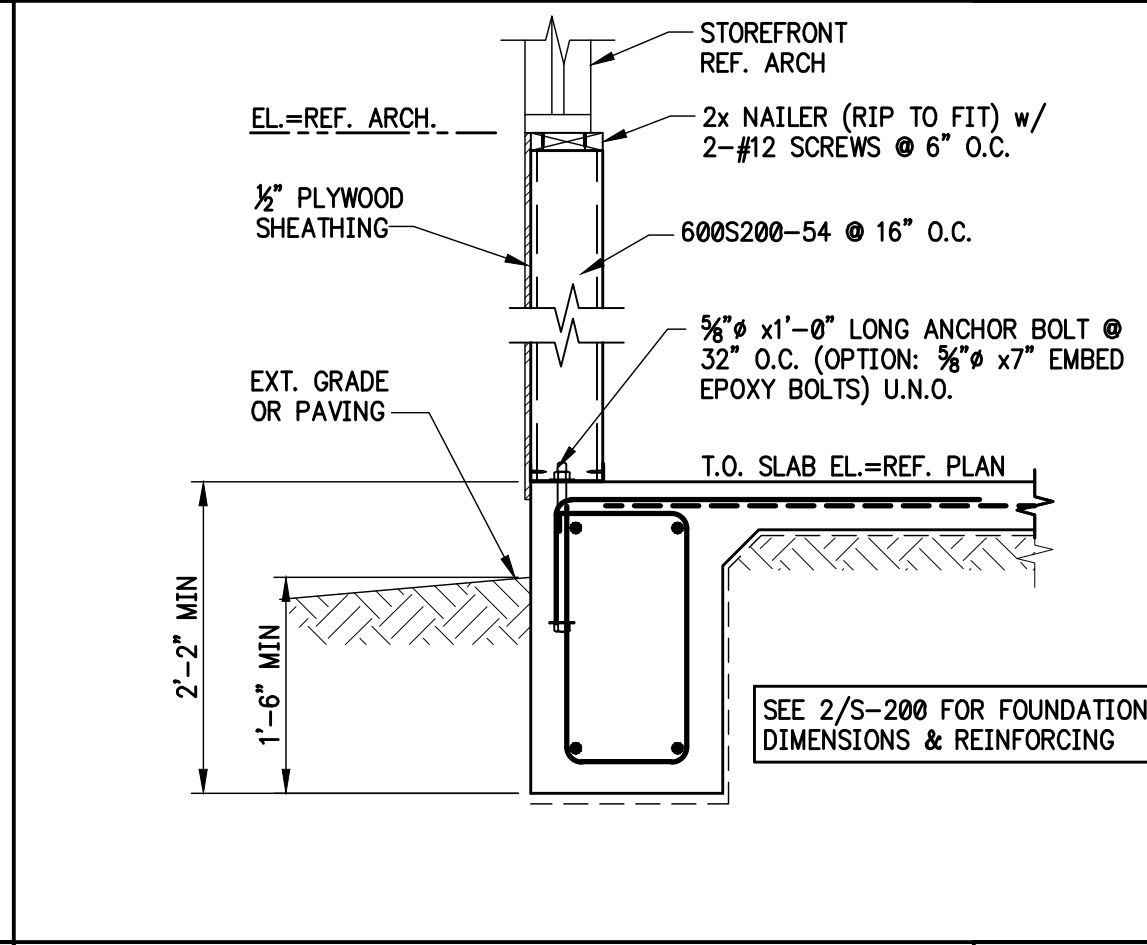
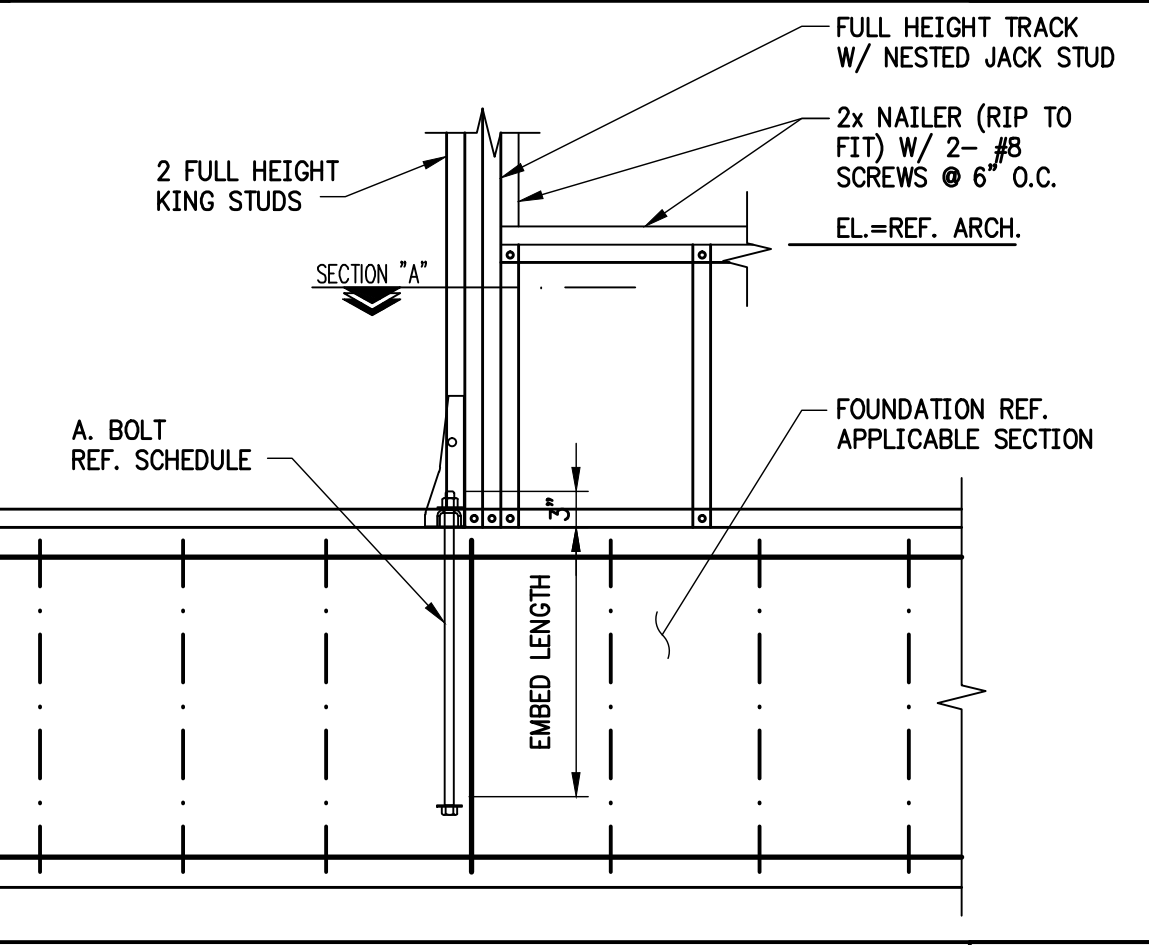
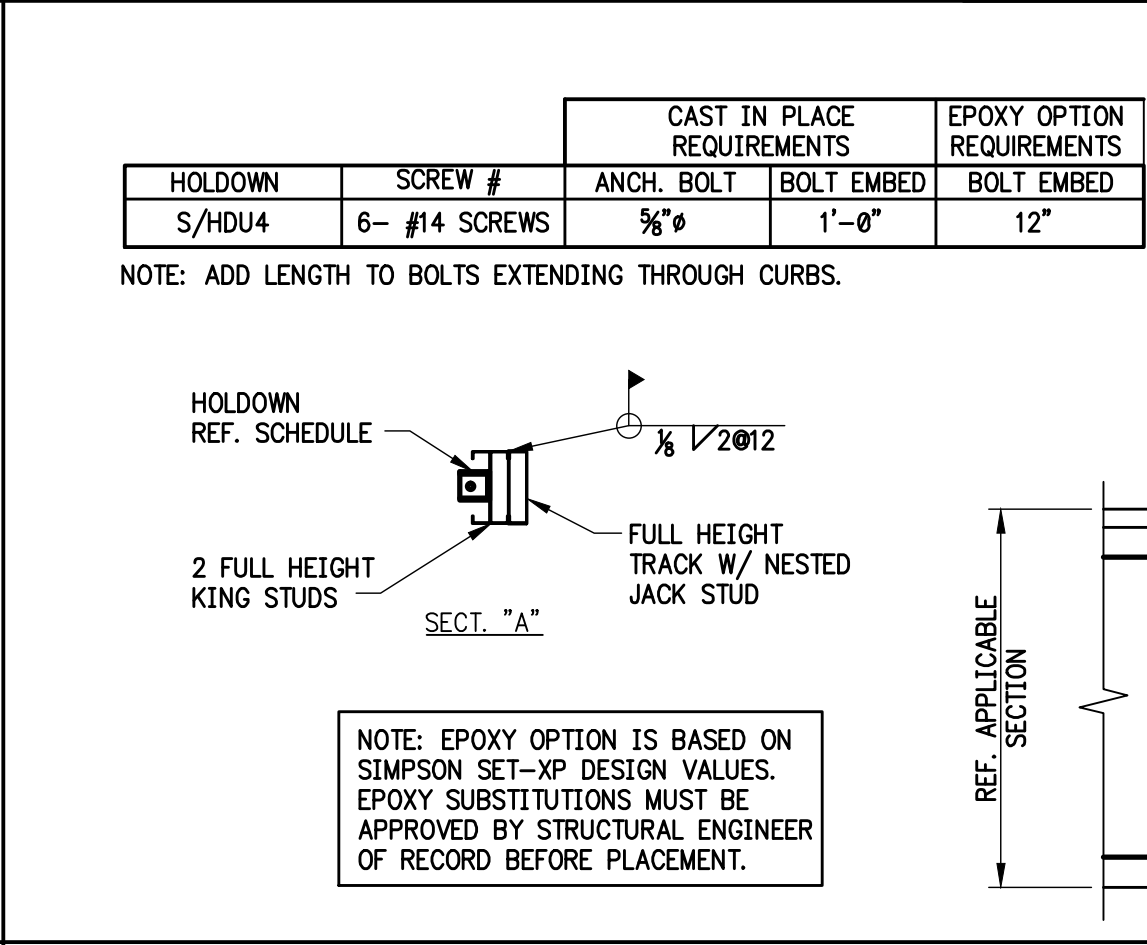
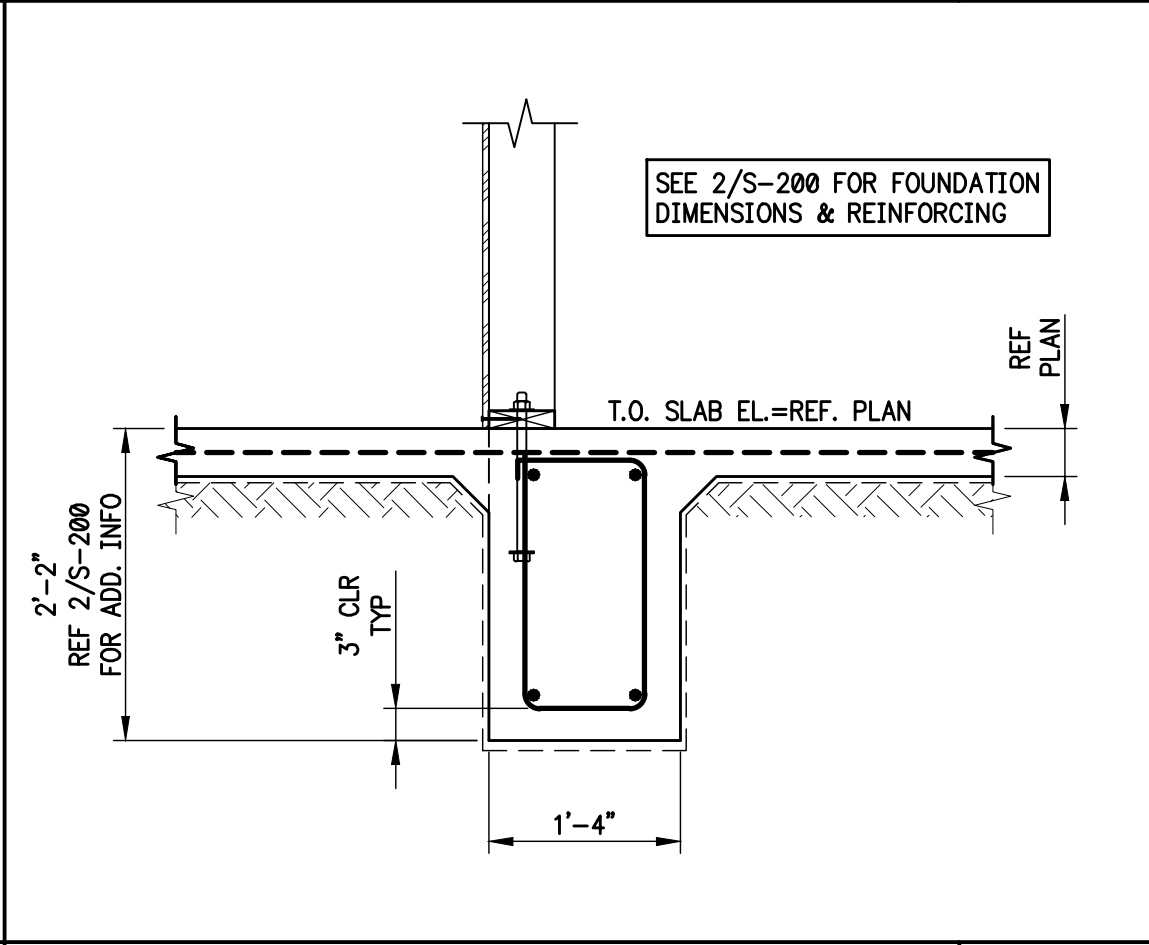
TYPICAL LIGHT POLE SECTION 15

SCALE: NONE S-200

TRASH ENCLOSURE WALL 11

SCALE: 3/4"=1'-0" S-200

SECTION 7



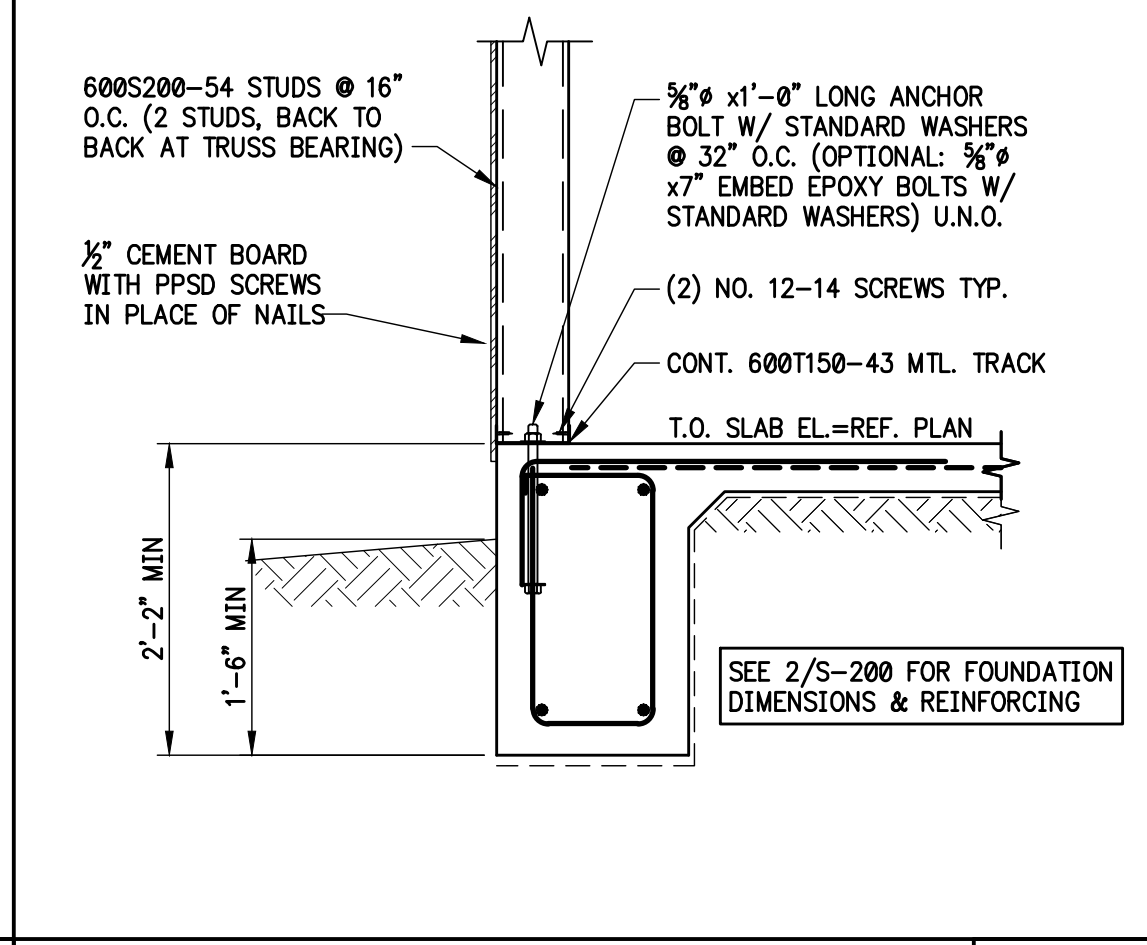
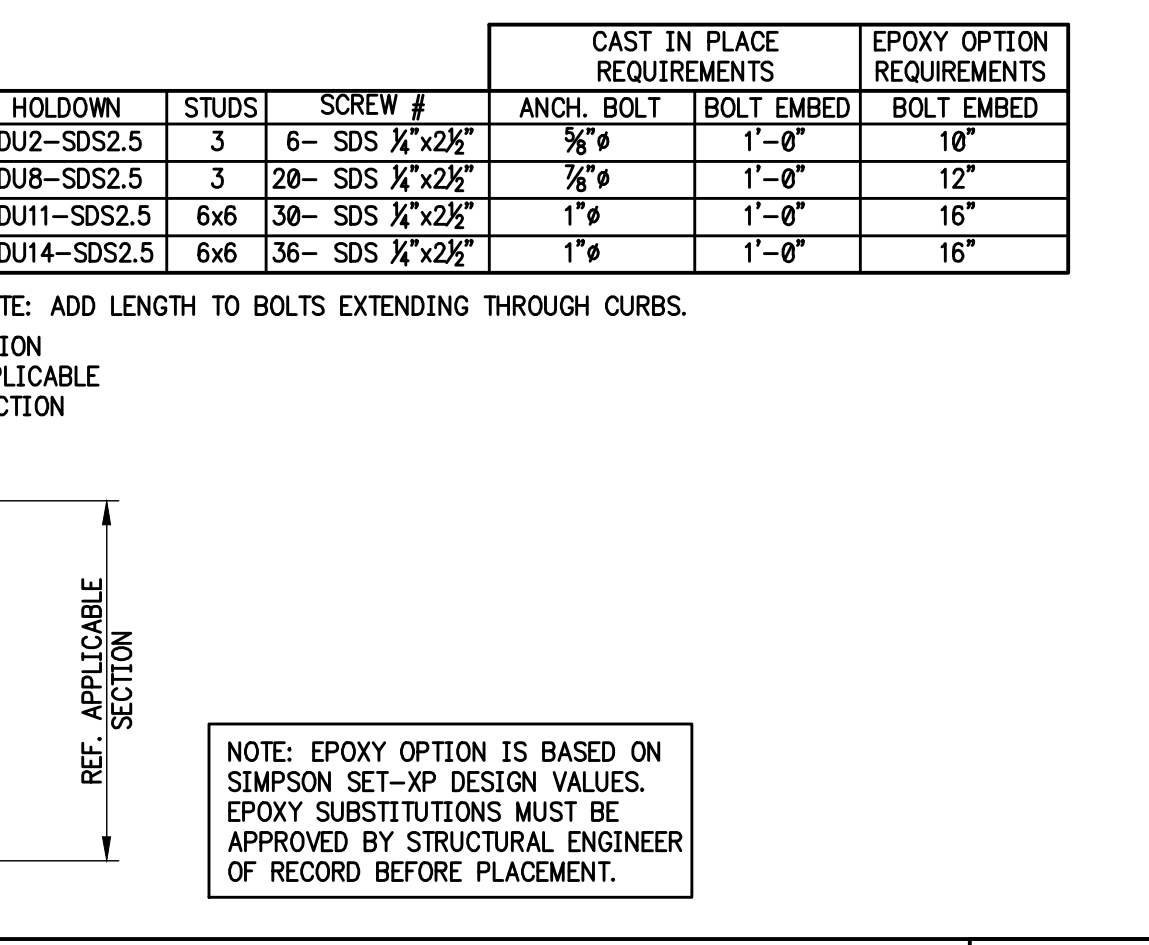
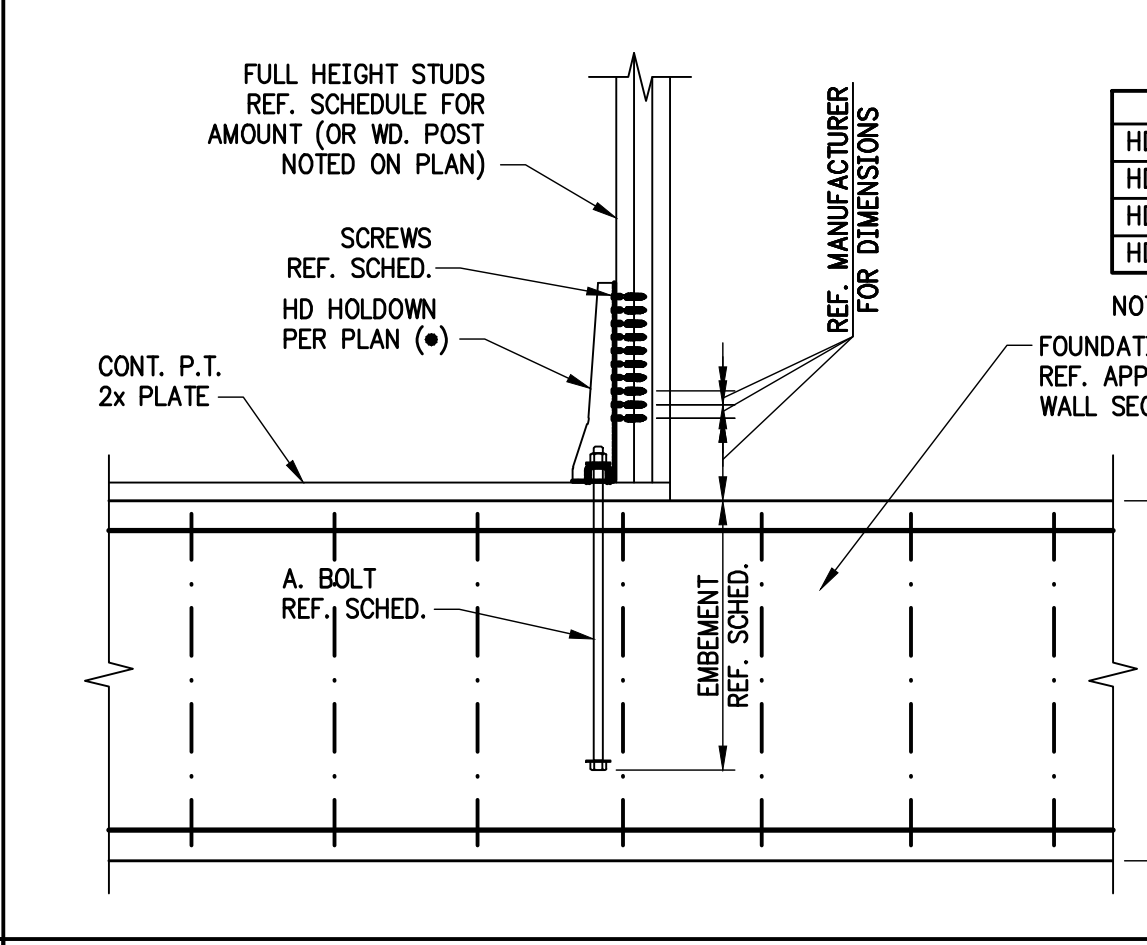
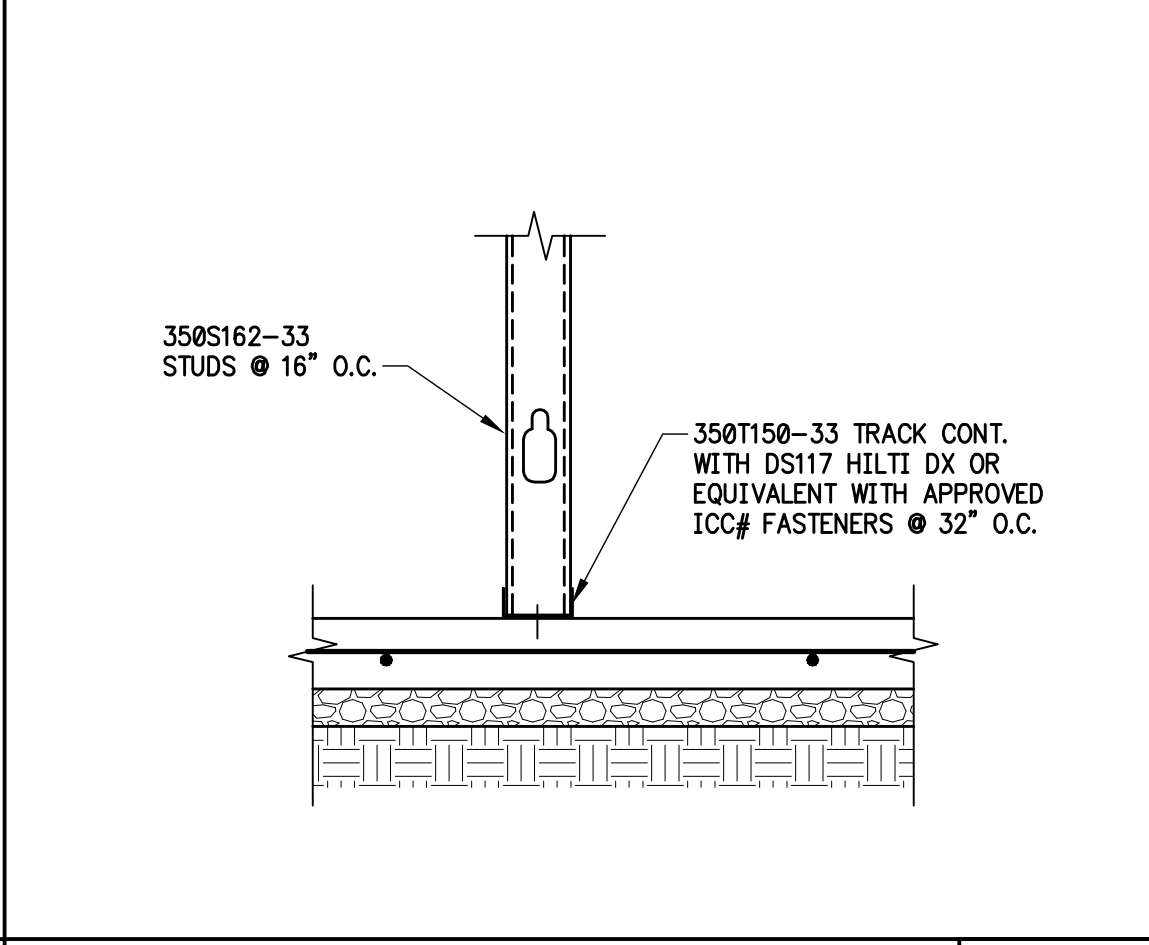
SECTION 18

SCALE: 3/4" = 1'-0" S-200

TYPICAL HOLDOWN DETAIL- LIGHT GAGE 10

SCALE: NONE S-200

SECTION 6



SLAB AT NON BEARING WALL 17

SCALE: N.T.S. S-200

TYPICAL HOLDOWN DETAIL- WOOD 9

SCALE: NONE S-200

SECTION 5



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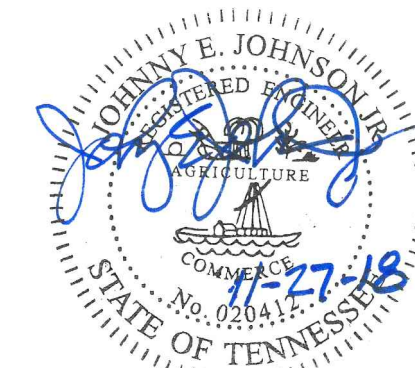
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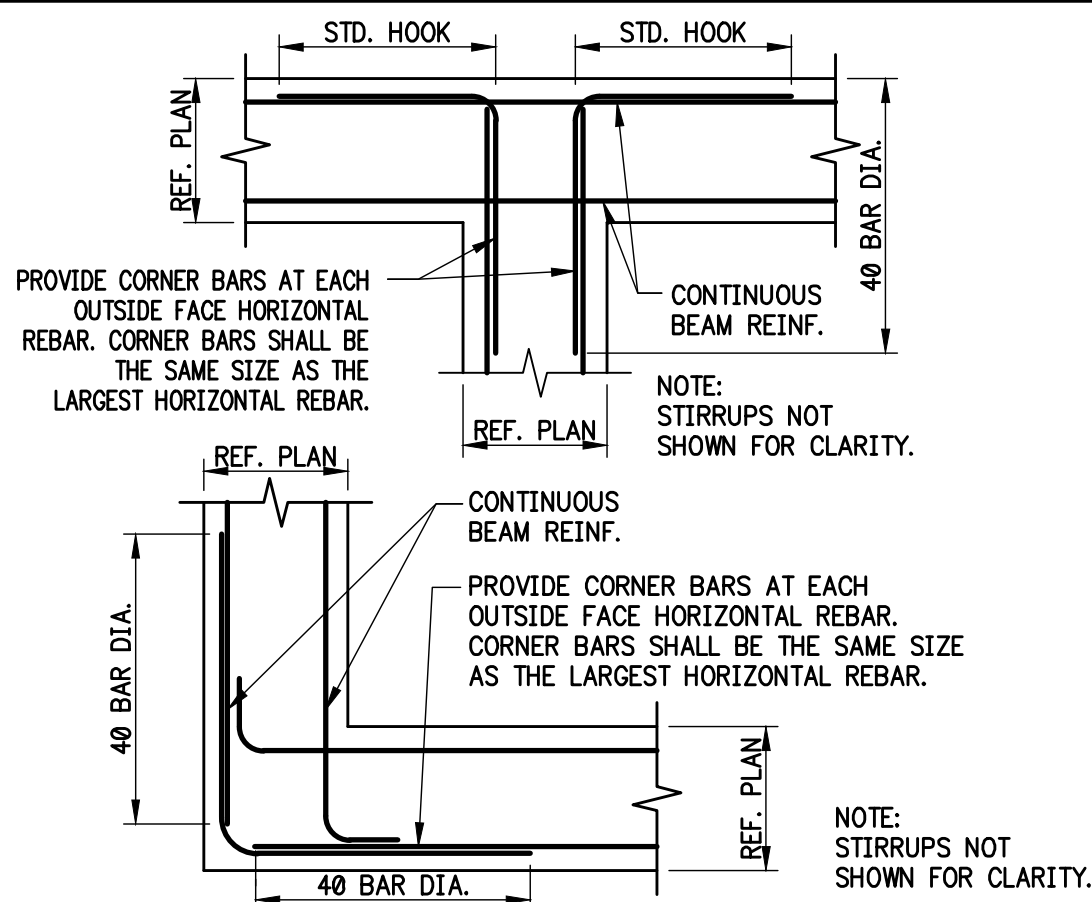
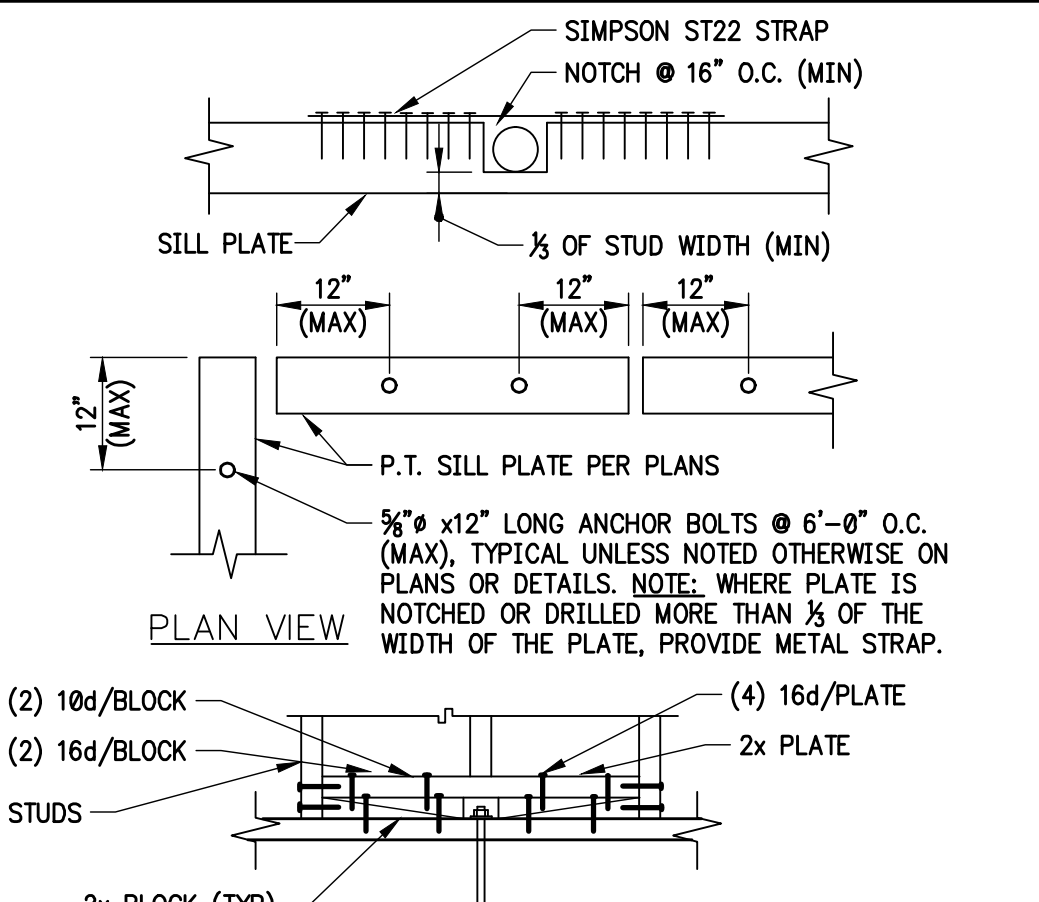
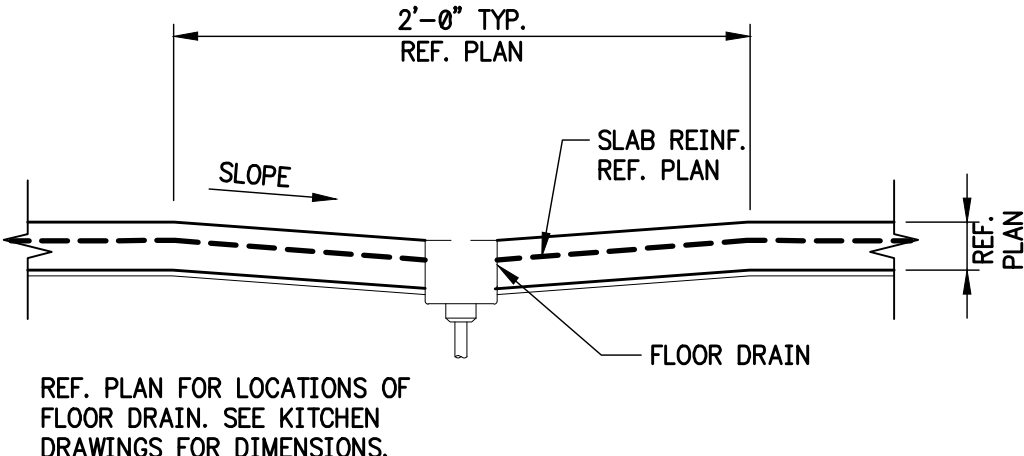
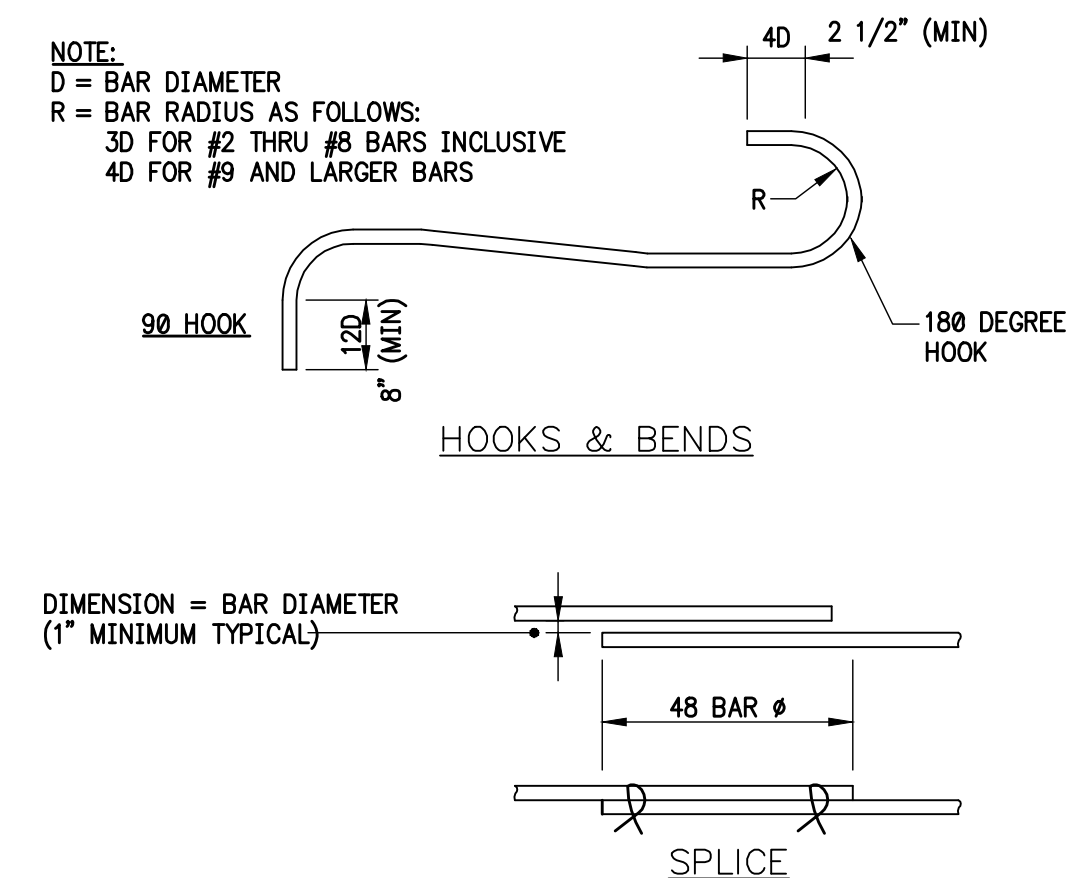
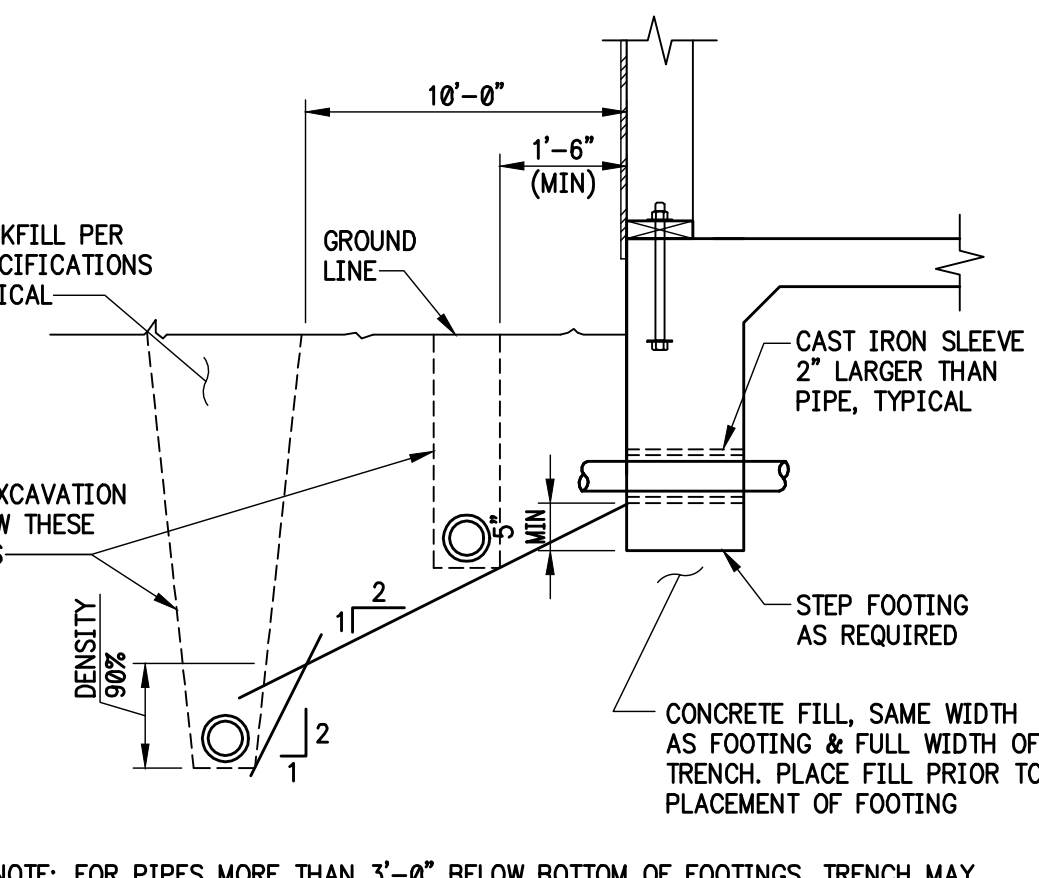
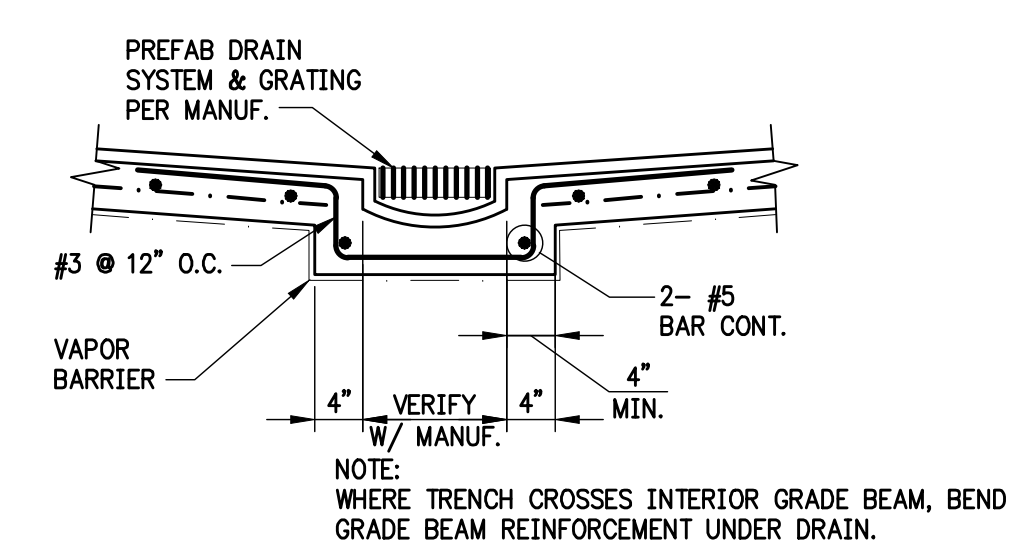
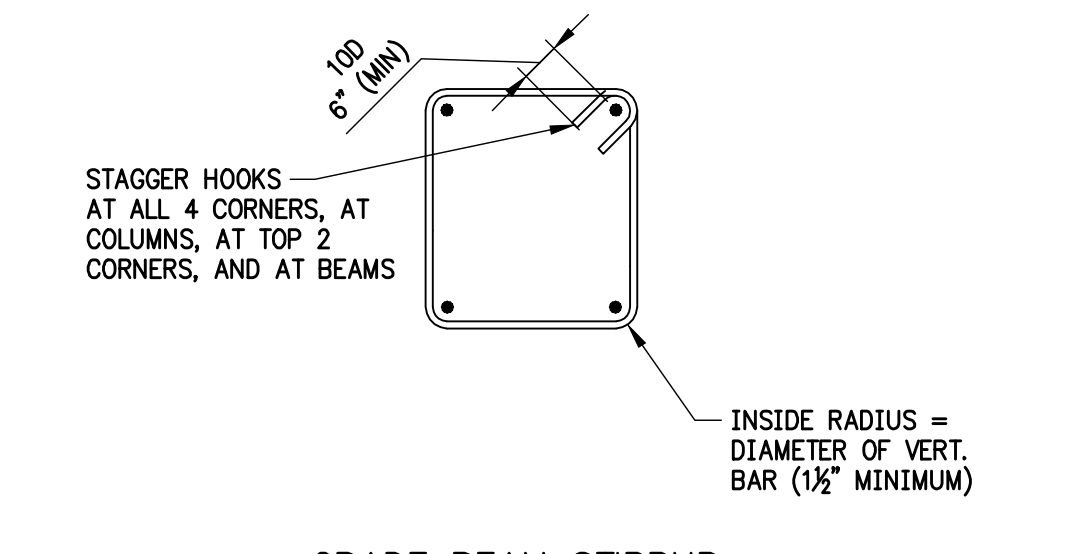
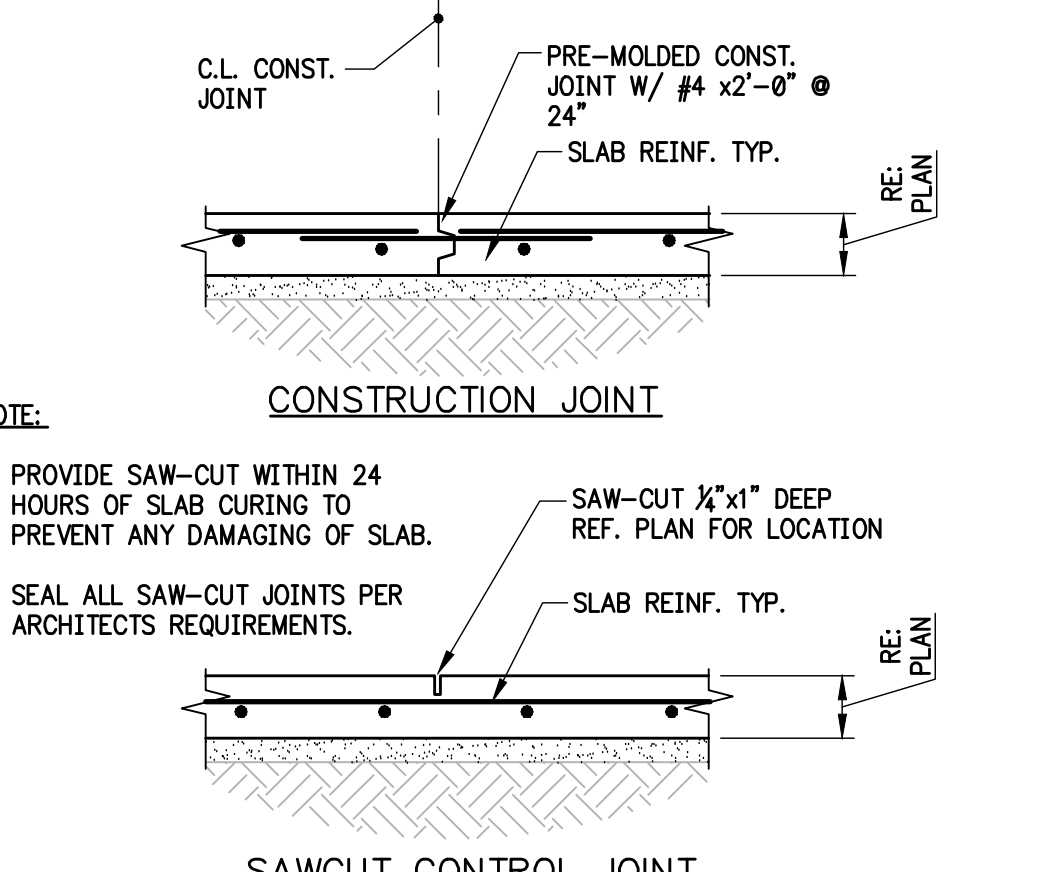
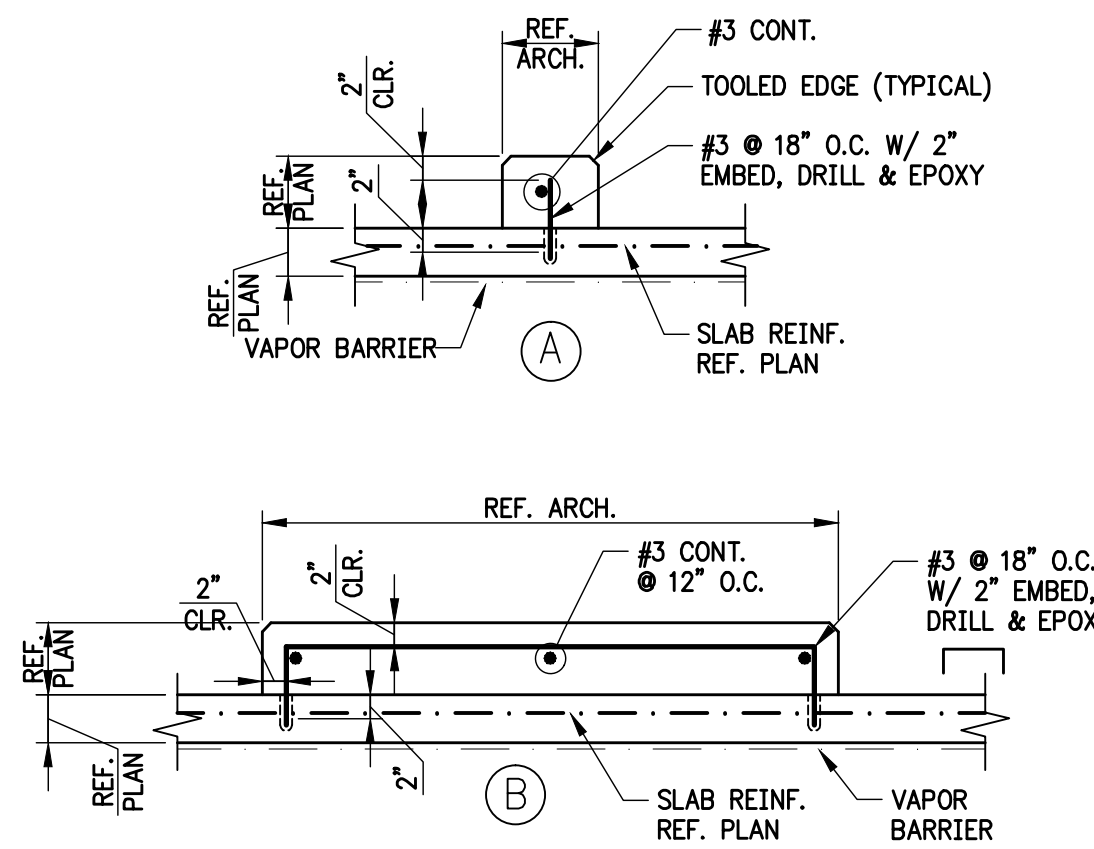
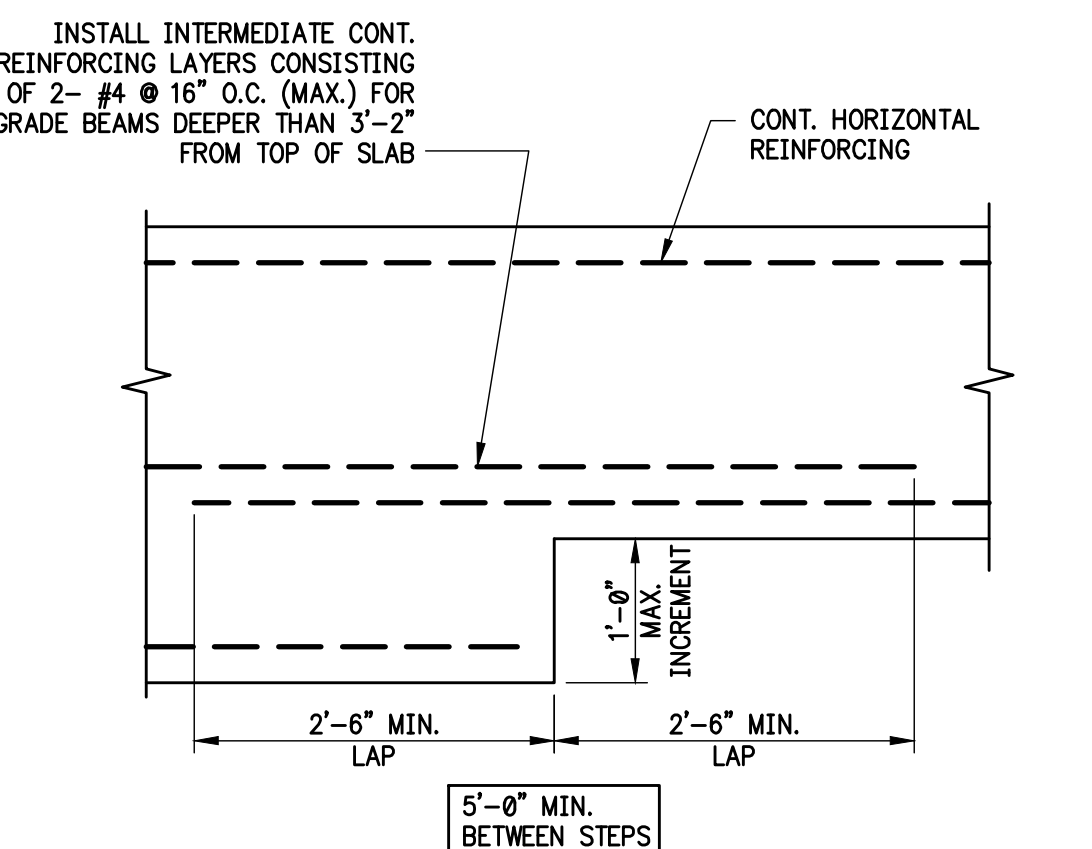


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S-200

FOUNDATION DETAILS

									
					TYPICAL CORNER BAR	8	TYPICAL SILL PLATE BOLTS	4	
					SCALE: N.T.S.	S-201	SCALE: N.T.S.	S-201	
									
				TYPICAL FLOOR DRAIN	11	TYPICAL REINFORCING BAR	7	TYPICAL PIPE & TRENCH DETAIL	3
				SCALE: N.T.S.	S-201	SCALE: N.T.S.	S-201	SCALE: N.T.S.	S-201
									
				TYPICAL TRENCH DRAIN	10	TYPICAL TIES & STIRRUPS	6	TYPICAL JOINT DETAIL	2
				SCALE: 3/4\"=1'-0\"	S-201	SCALE: N.T.S.	S-201	SCALE: NONE	S-201
									
				TYPICAL CURB	9	TYPICAL STEP FOOTING	5		
				SCALE: 3/4\"=1'-0\"	S-201	SCALE: N.T.S.	S-201		



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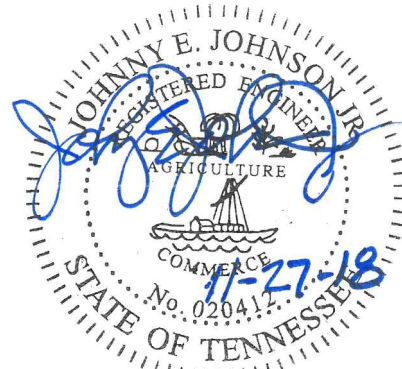
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S-201

TYPICAL FOUNDATION DETAILS

SECTION	19
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECTION	17
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECTION	16
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECT."B"

SECTION	13
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECTION	10
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECTION	9
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECTION	7
SCALE: $\frac{3}{4}"=1'-0"$	S-30C

SECTION	5
SCALE: $\frac{3}{4}"=1'-0"$	S-300

SECT. "A"

SECTION	2
SCALE: $\frac{3}{4}"=1'-0"$	S-300

NOTE: TYPICAL TO ALL SECTIONS.
REFER TO 13, 14, 17/S-301
AWNING BLOCKING REQUIREMENTS
AS APPLICABLE. REFER TO PLAN.



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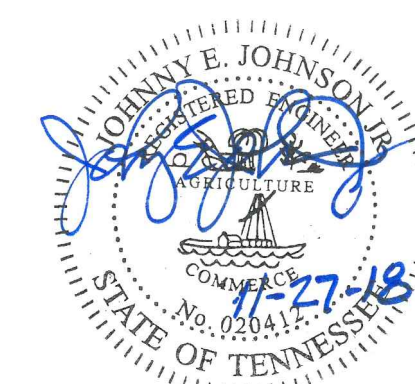
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FRAMING SECTIONS

GENERAL PLUMBING NOTES

- A. FOOD SERVICE EQUIPMENT: REFER TO OTHER PORTIONS OF PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION ABOUT FOOD SERVICE ITEMS FURNISHED AND WORK PERFORMED BY OTHERS. VERIFY ROUGH-IN REQUIREMENTS WITH EQUIPMENT FURNISHED.
- B. HEALTH DEPARTMENT: COMPLY WITH LOCAL HEALTH DEPARTMENT (HD) REGULATIONS. WHEREVER POSSIBLE, INSTALL ALL PIPING CONCEALED. CONFORM TO HD REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.
- C. WORKMANSHIP SHALL BE FIRST CLASS, ACCEPTABLE TO OWNER.
- D. MAKE COMPLETE: PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS TO FIXTURES AND EQUIPMENT: TRAPS, STRAINERS, GAUGES, GAS AND WATER PRESSURE REGULATORS, FLEXIBLE CONNECTIONS, STOP VALVES, UNIONS, ETC. PROVIDE AND CONNECT PLUMBING PIPE FROM ROUGH-INS TO ITEMS AS SHOWN, SPECIFIED AND REQUIRED.
- E. VERIFY LOCATIONS: EXISTING PIPING, POC SHOWN ON DRAWINGS HAS BEEN LOCATED FROM INFORMATION PROVIDED BY OTHERS. VERIFY EXACT LOCATION ON JOB SITE BEFORE START WORKING.
- F. BACKFLOW PREVENTION: PROVIDE BACKFLOW PREVENTERS (BFP) IN WATER LINES ONLY IF REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF TYPE (VACUUM BREAKER, DOUBLE CHECK, REDUCED PRESSURE) AND MANUFACTURER APPROVED BY LOCAL AUTHORITIES, ONLY IN LOCATIONS REQUIRED.
- G. RESTROOM TRAP PRIMERS: SOUX CHIEF "TRAP EASE" MODEL 200-090 TRAP PRIMER TAUPIECE. PROVIDE A CONTINUOUS LENGTH OF 3/2" SOFT COPPER TUBE FROM PRIMER TO TRAP, SLOPING TO TRAP. PROVIDE ELASTOMERIC INSULATION ON PIPE INSTALLED BELOW FLOOR SLAB. SEE DETAIL #9 ON SHEET P-500.
- H. WATER CONSERVATION: CONTRACTOR SHALL PROVIDE WATER FLOW LIMITING FEATURES ON FIXTURES IF/AS REQUIRED BY LOCAL AUTHORITIES.
- I. COLD WATER: CONNECT TO DOMESTIC COLD WATER VALVED STUB. EXTEND COLD WATER PIPE, SUSPENDED FROM STRUCTURE ABOVE CEILING AND DOWN IN PARTITIONS, TO SERVE FIXTURES AND EQUIPMENT.
- J. HOT WATER: PROVIDE COMMERCIAL TYPE WATER HEATER, DESIGN PER PLAN. RUN HOT WATER PIPE, SUSPENDED FROM STRUCTURE ABOVE CEILING AND DOWN IN PARTITIONS TO SERVE FIXTURE AND EQUIPMENT.
- K. SANITARY WASTE LINE
- L. BRANCHES: PROVIDE HOT AND/OR COLD WATER PIPES DOWN IN PARTITION TO SERVE VARIOUS EQUIPMENT PER "KITCHEN EQUIPMENT SCHEDULE".
- M. SODA CONDUIT: PROVIDE 4" CONDUIT BELOW FLOOR FROM SODA STORAGE TO SODA DISPENSER.
- N. CONDENSATE: PROVIDE 1" INSULATED PRIMARY AND SECONDARY CONDENSATE DRAIN PIPES FROM FAN-COIL UNIT ABOVE CEILING TO NEAREST FLOOR SINK.
- O. GAS SERVICE: PROVIDE ALL PIPES, VALVES AND CONNECTION TO GAS METER, FOR NATURAL GAS SERVICE. COORDINATE WITH GAS UTILITY COMPANY FOR METER REQUIREMENTS, PERMITS AND FEES. ROUTE PIPE AS REQUIRED, SUSPENDED FROM STRUCTURE ABOVE. USE ALL WELDED PIPE, FITTINGS, AND JOINTS IN CEILING SPACE AND IN WALL AS PER LOCAL CODE.
- P. INDIRECT DRAIN: AN AIR GAP TWICE THE SIZE OF THE DRAIN LINE MUST BE PROVIDED BETWEEN THE DRAIN LINE AND THE SANITARY SEWER.
- Q. LIQUID WASTE FROM ALL EQUIPMENT MUST BE DISCHARGED TO THE SANITARY SEWER.
- R. FLOOR DRAIN MUST BE PLACED ADJACENT TO EQUIPMENT WHICH DISCHARGES WASTE. FLOOR DRAIN INSTALLATION MUST NOT INTERFERE WITH PROPER FLOOR MAINTENANCE.
- S. EXPOSED UTILITY LINES ON FLOORS ARE PROHIBITED. UTILITY LINES MUST NOT BE UNNECESSARILY EXPOSED ON WALLS.
- T. ALL WATER AND GAS CONNECTIONS TO ALL PLUMBING FIXTURES TO BE HARD PIPED, NO FLEX PIPE.
- U. ALL PIPES 6" A.F.F. NO FLOOR SUPPORTS ALLOWED.
- V. ALL WATER PIPES IN EXPOSED AREAS OUTSIDE WALLS AND BELOW CEILING MUST BE COPPER UNLESS NOTED OTHERWISE.

PLUMBING SPECIFICATIONS

1. WORK INCLUDES CONNECTION OF PLUMBING UTILITIES TO DEVELOPER OR LANDLORD'S UTILITIES AND INSTALLATION OF A COMPLETE PLUMBING SYSTEM WITHIN SPACE. PROVIDE NEW MATERIALS, FITTINGS, ACCESSORIES, FIXTURES AND EQUIPMENT NECESSARY FOR A COMPLETE AND PROPERLY FUNCTIONING SYSTEM AS SHOWN ON PLANS AND AS REQUIRED. WORK INCLUDES FINAL CONNECTIONS TO EQUIPMENT AND FIXTURES PROVIDED BY OTHERS. FURNISH ALL NEW MATERIALS. WORK SHALL BE PERFORMED BY EXPERIENCED TRADESMEN, AND THEIR WORKMANSHIP SHALL BE HIGH STANDARD, ACCEPTABLE TO OWNER.
2. CODES: ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS, OR ORDINANCES. PAY FOR ANY PERMITS REQUIRED, AND CALL FOR ANY REQUIRED INSPECTIONS TO BE MADE BY LOCAL AUTHORITIES.
3. INTENT OF DRAWINGS IS TO INDICATE GENERAL EXTENT OF WORK REQUIRED FOR PROJECT. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING GENERAL LOCATION, TYPE, PIPING, FIXTURES AND EQUIPMENT REQUIRED. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FULFILL INTENT OF PLANS. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. USE DIMENSIONED ARCHITECTURAL DRAWINGS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURES, AND TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
4. FSE ROUGH-IN DRAWINGS: REFER TO ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT SUPPLIER, FOR EXACT LOCATION OF WATER PIPING SUPPLIES AND DRAIN LOCATIONS TO SERVE FOOD SERVICE EQUIPMENT. DO NOT LAYOUT WORK OF THIS SECTION WITHOUT SUCH DRAWINGS.
5. COORDINATE WITH WORK OF OTHER SECTIONS AND TRADES, WITH EQUIPMENT FURNISHED BY OTHERS, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE.
6. MISCELLANEOUS EXPENSES SUCH AS HOOK-UP CHARGES, PERMITS, INSPECTIONS, AND OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING SYSTEM ARE INCLUDED AS PART OF THIS SECTION.
7. PIPING SYSTEMS, GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL ALL AS CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION. SEAL PIPE PENETRATIONS OF FIRE FLOORS AND FIREWALLS WITH FIREPROOF PUTTY OR GROUT. PROVIDE SUMNER OR EQUIVALENT PIPE HANGING SYSTEM IN CHASES. PROVIDE HANGERS AS RECOMMENDED BY HANGER MANUFACTURER AND MSS-SP-58, 69 AND 89.
8. WASTE PIPING: PROVIDE ALL DRAIN, WASTE, AND SEWER PIPING WITHIN PROJECT SPACE WITH CONNECTION TO SANITARY WASTE SYSTEM ON SITE. PROVIDE A COMPLETE SYSTEM OF WASTE PIPING, CONSISTING OF SCH 40 PVC PIPE, CONNECTORS AND FITTINGS ALL PIPING SHALL BE SLOPED UNIFORMLY AT 2% UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS.
- 8.1. CLEANOUTS SHALL BE INSTALLED IN ALL HORIZONTAL DRAINAGE PIPE AND SHALL BE LOCATED NOT MORE THAN 100 FT APART.
- 8.2. CLEANOUTS SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A SINGLE PIPE RUN, ONLY ONE (1) CLEANOUT SHALL BE REQUIRED FOR EVERY 40 FEET OF DEVELOPED LENGTH.
9. VENTS: PROVIDE A COMPLETE SYSTEM OF VENT PIPING, CONSISTING OF SCH 40 PVC PIPE, CONNECTORS AND FITTINGS. COMBINE THE VENT RISERS IN THE CEILING SPACE. CONNECT TO EXISTING VENT MAIN.
10. WATER PIPING: CONNECT TO EXISTING WATER PIPING AND PROVIDE A NEW DOMESTIC HOT AND COLD WATER PIPING SYSTEM INSIDE THE BUILDING AS SHOWN ON DRAWINGS. LAY OUT WATER PIPING SO THAT ENTIRE SYSTEM CAN BE DRAINED. HOT AND COLD WATER PIPING SHALL BE PEX WITH DURAN PEX PRE-ASSEMBLED MANIFOLDS. USE BLUE COLOR PEX FOR COLD WATER AND RED COLOR PEX FOR HOT WATER. PEX PIPING SHALL BE CONTINUOUS FROM MANIFOLD CONNECTION TO COPPER STUB-OUT AT EACH FIXTURE. PEX PIPING SHALL NOT BE SPLICED WITHIN WALLS. PROVIDE WATER HAMMER ARRESTERS AT RESTROOM AREA & CHINESE WOK AREA PER DRAWING SHOWN. FLUSH WATER PIPING CLEAR OF DEBRIS AND CLEAN AERATORS AND STRAINERS AT TERMINATION OF INSTALLATION.
11. NATURAL GAS PIPING INSIDE AND OUTSIDE THE BUILDING ABOVE GRADE SHALL BE SCHEDULE 40 BLACK STEEL ASTM A-33 PIPE WITH 125 LB WALLEABLE IRON SCREWED FITTINGS WHERE EXPOSED. PRIMER AND PAINT EXTERIOR GAS PIPING TO PREVENT RUST. PROVIDE ALL UNIONS, SHUT OFF VALVES AND DRIP LEGS REQUIRED BY NFPA-54 AND GOVERNING CODES. PROVIDE ALL TESTS, INSPECTIONS, HANGERS AND APPURTENANCES REQUIRED FOR A COMPLETE OPERATING SYSTEM. TAP ON UTILITY GAS MAIN AND GAS METER SHALL BE BY GAS COMPANY. EXTEND PIPING FROM METER TO EQUIPMENT AS DETAILED ON DRAWINGS. PROVIDE ROUTING, HANGING, AND PENETRATIONS PER OWNER'S REQUIREMENTS.
12. PIPE INSULATION: INSULATE ALL COLD WATER AND CONDENSATE PIPING WITH 3/2" AND HOT WATER PIPING WITH 1" PREFORMED FIBERGLASS WITH- SERVICE JACKET WITH VAPOR BARRIER (BY CT, OC, JM, PPG, OR KNAUF) AT CONTRACTOR'S OPTION, PLENUM-RATED ELASTOMERIC INSULATION (BY ARMSTRONG, RUBATEX OR EQUAL) MAY BE USED.
13. PIPE MARKING:
- 13.1. IDENTIFY ALL PIPING WITH ANSI/ASME A13.1 2007 APPROVED PIPE MARKER SYSTEM USING EZ ARROWS AND ARROW BANDING TAPE IN CONJUNCTION WITH EZ PIPE MARKERS. PRODUCTS AVAILABLE AT PIPEMARKER.COM. 822-274-6271. INSTALL PER MANUFACTURERS INSTRUCTIONS.
- 13.2. IDENTIFY ALL MANIFOLDS AND ALL VALVES ON THE MANIFOLDS FOR CORRESPONDING FIXTURES.
14. SHUT-OFF VALVES WITH UNIONS SHALL BE PROVIDED AT BRANCHES TO GROUPS OF MORE THAN TWO FIXTURES, AND AT THE WATER HEATER, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. USE CHROME-FINISHED FORGED BRONZE BODY BALL VALVE, WITH TEFLON SEATS AND PACKING, 400 LB WOG, WITH SOLDER ENDS, EQUAL TO JENKINS #902-T. GAS VALVES SHALL BE ALL BRONZE LUBRICATED PLUG COOKS FOR SCREWED PIPE, BY WALWORTH, ROCKWELL, NORDSTROM OR APPROVED EQUIVALENT.
15. ACCESS PANELS SHALL BE PROVIDED IN CEILINGS OR WALLS WHERE CONCEALED CONTROL DEVICES ARE LOCATED, EXCEPT WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN CEILINGS.
16. SUPPLIES AND TRAPS: PROVIDE WATER SEALED TRAPS AND SUPPLIES INSTALLED AS CLOSE AS POSSIBLE TO ALL PLUMBING FIXTURES, DRAINS, AND FOOD SERVICE EQUIPMENT OR BEVERAGE DISPENSING EQUIPMENT ITEMS FURNISHED BY OTHERS, HAVING A WASTE CONNECTION, OR REQUIRING WATER SERVICE. EXPOSED TRAPS AND SUPPLIES IN EXPOSED AREAS (INCLUDING CABINET INTERIORS) SHALL BE CHROME PLATED BRASS.
17. INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES, PER MANUFACTURER'S ROUGH-IN DIMENSIONS. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT. REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AND RESTORE TO ORIGINAL CONDITIONS. PROVIDE CLEAN CONDITIONS AT TERMINATION OF WORK.
18. TEST WATER, GAS, VENT, AND WASTE SYSTEMS PER LOCAL CODE REQUIREMENTS. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP ARE DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST TILL STANDARDS ARE ACHIEVED.
19. GUARANTEE THE WORK AND THE INSTALLATION FOR ONE YEAR AFTER FORMAL ACCEPTANCE BY THE OWNER.
20. ALL SAW CUT AND PATCH BACK OF FLOOR TO MATCH EXISTING FINISHES. BACKFILL PER DEVELOPER OR OWNER'S SOILS ENGINEER'S RECOMMENDATIONS

PLUMBING KEY NOTES

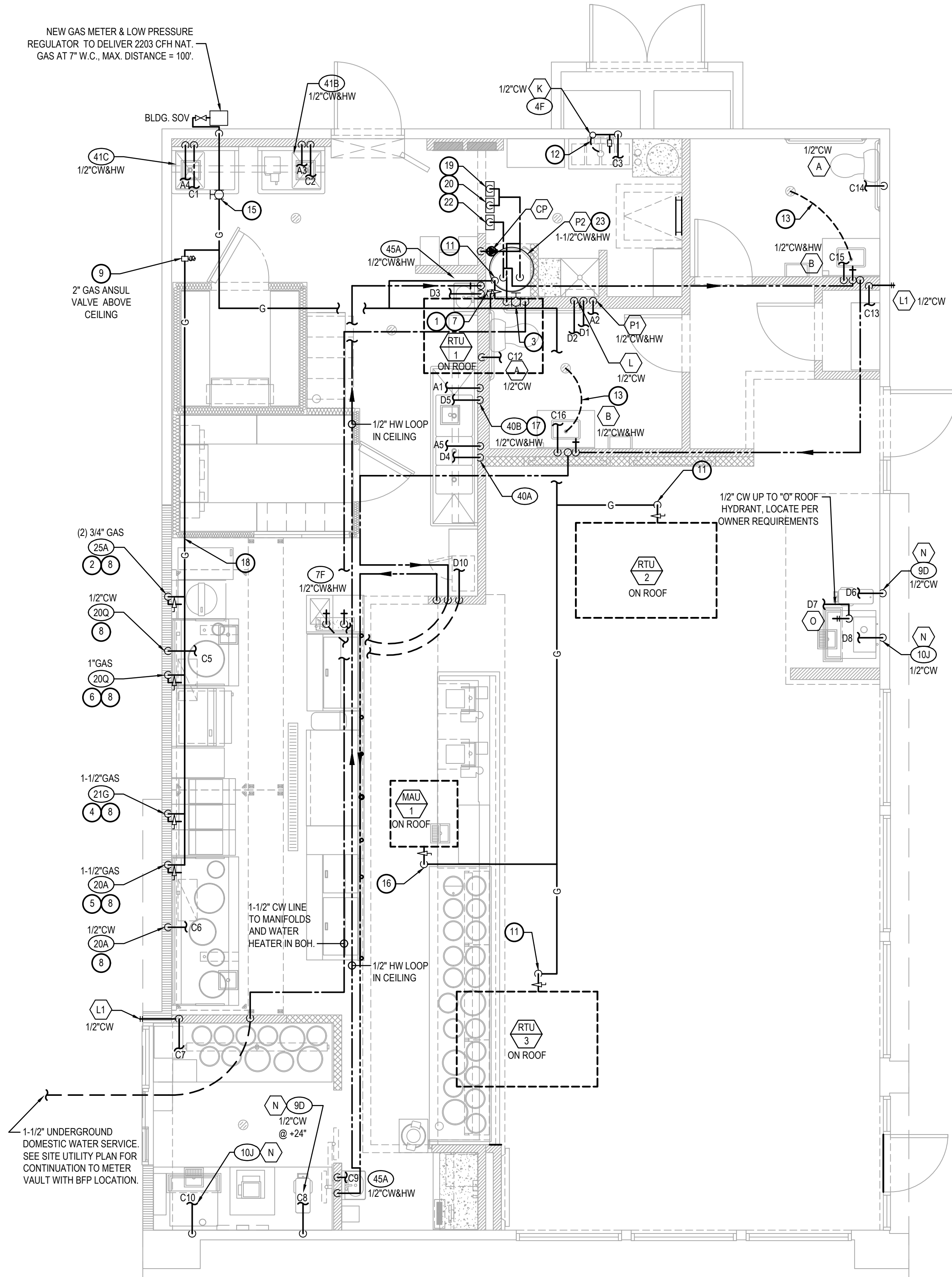
1. 1" G DOWN TO WATER HEATER W/ SOV (SHUT OFF VALVE).
2. 3/4" G DOWN TO RICE COOKER W/ SOV. PROVIDE 6" LENGTH OF RIGID PIPE BETWEEN RICE COOKER AND FLEXIBLE GAS LINE.
3. CW SHUT OFF BALL VALVE LOCATED WITHIN WALL AT 24" AFF. REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS PANEL DETAIL.
4. 1 1/2" G DOWN TO DEEP FRYER W/ SOV.
5. 1 1/2" G DOWN TO CHINESE RANGE "20A OR 20B" W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
6. 1" G DOWN TO CHINESE RANGE "200" W/ SOV.
7. EXHAUST & INTAKE VENTS UP TO ROOF. COORDINATE WITH MECHANICAL DRAWINGS AND DETAIL #10 ON SHEET P-500.
8. ROUTE NEW PIPING IN WALL.
9. 2" GAS ANSUL VALVE PROVIDED BY OWNER (G.C. CALL CAPTIVEAIRE FOR DELIVERY). INSTALL GAS ANSUL VALVE AS CLOSE TO EXTERIOR WALL AS ALLOWED PER LOCAL CODE.
10. NOT USED.
11. 1" G UP TO ROOF W/ SOV. FOR RTU-1 AND 1-1/4" GAS UP TO ROOF W/ SOV. FOR RTU-2 & RTU-3.
12. 1/2" CW TO TRAP PRIMER. PROVIDE WALL ACCESS PANEL. RUN 1/2" CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #17 ON PLAN P-500.
13. LAV. TAUPIECE WITH TRAP PRIMER, RUN 1/2" CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #9 ON PLAN P-500.
14. NOT USED
15. SHUT OFF VALVE W/ HANDLE AT 11'-0" ABOVE FINISH FLOOR, EASILY ACCESSIBLE. G.C. TO INSTALL LOCATION INDICATOR STICKER PROVIDED BY PANDA EXPRESS.
16. 1 1/2" GAS UP TO MAKE-UP AIR UNIT ON ROOF.
17. 3/2" HW & CW TO FAUCET (40B) FOR CHEMICAL FEED SYSTEM.
18. GAS HEADER - INSTALL TIGHT TO WALL AND TIGHT TO BOTTOM OF TRUSSES.
19. COLD WATER MANIFOLD "C" BELOW CEILING. REF ARCH ELEVATIONS
20. COLD WATER MANIFOLD "D" BELOW CEILING. REF ARCH ELEVATIONS
21. NOT USED
22. HOT WATER MANIFOLD "A" BELOW CEILING. REF ARCH ELEVATIONS
23. ORIENTATION OF WATER HEATER CONTROL PANEL TO MATCH IMAGE SHOWN ON PLANS. DO NOT TURN WATER HEATER ON 45 DEGREE ANGLE.

PLUMBING SYMBOLS

	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	GAS LINE
	PLUMBING VENT (V)
	PLUMBING VENT (V) BELOW SLAB/GRADE
	SANITARY WASTE (SAN) BELOW SLAB/GRADE
	GREASE WASTE BELOW SLAB/GRADE
	PIPE TURNING UP/DOWN
	GAS COCK
	F.S. WITH HALF GRATE
	FLOOR DRAIN
	FIXTURE IDENTIFICATION
	PLAN NOTE
	KITCHEN EQUIPMENT IDENTIFICATION
	VENT THRU ROOF
	ABOVE FINISHED FLOOR/GRADE
	CLEANOUT
	WALL CLEANOUT
	FLUSH FLOOR/GRADE CLEANOUT
	FIRE PROTECTION CONTRACTOR
	DEPARTMENT OF NATURAL RESOURCES
	TYPICAL
	EXISTING
	POINT OF CONNECTION
	BALL VALVE
	CHECK VALVE
	CIRCULATION PUMP
	GREASE WASTE

NOTES:

1. ALL WATER LINES SERVING WATER HEATERS SHALL RUN DOWN FROM CEILING SPACE IN WALL, OFFSET OVER THROUGH WALL 6" BELOW CEILING, ABOVE WATER HEATER, THEN DROP DOWN TO HEATER.
2. AVOID RUNNING WATER VALVES DIRECTLY ABOVE WATER HEATER, TO AVOID DAMAGE TO WATER HEATER CAUSED BY POSSIBLE LEAKS.
3. REFER TO PIPING RISER DIAGRAMS, SHEET P-400 FOR ALL PIPE SIZING NOT SHOWN ON FLOOR PLAN.
4. DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE, U.N.O.
5. REFER TO RISER DIAGRAMS, SHEET P-400
6. ALL WATER LINES IN EXTERIOR WALL TO BE INSULATED ON CONDITIONED SIDE OF INSULATION; NO WATER LINES ARE TO BE ROUTED ON "COLD" SIDE (TYP).



WATER & GAS PLAN

1

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

P-100



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91770

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REVISIONS:

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PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.
PE1805

**Kurzynske
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NOT FOR
CONSTRUCTION

11-28-18

PANDA EXPRESS
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2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

P-100

WATER & GAS PLAN

A	TANK WATER CLOSET (HANDICAPPED): AMERICAN STANDARD 2467.016, FLUSH TANK WITH TRIP LEVER ON OPEN SIDE OF TOILET. FLOOR MOUNTED, STANDARD WHITE FINISHED, ELONGATED. FRONT BOWL. PRESSURE ASSISTED 16 GPF. RIM 16 1/2" A.F.F. AM. STD 4142.600 TANK COVER LOCKING DEVICE AM. STD. 5321.110 OPEN FRONT SEAT LESS COVER.
B	LAVATORY (HANDICAPPED UNDER COUNTER), KOHLER MODEL K-2214-G-0, 18"x12" UNDER COUNTER MOUNT LAVATORY, VITREOUS CHINA. FAUCET BY TOTO, SELF GENERATING ECOPOWER SYSTEM, LOW-FLOW SENSOR FAUCET SPOUT WITH THERMAL MIXER AND CONTROLLER, TEL 101-D10ET #CP. INSULATE WATER AND WASTE PIPING UNDER LAVATORY WITH TUBULO "HANDI LAV-GUARD" #102 KIT. RI 3/4" A.F.F. TO RIM. PROVIDE & INSTALLED BY CONTRACTOR CONTACT CHRISTINE MCALEXANDER 800-459-7099 PANDARG@HJNC.COM
C	NOT USED
D	FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP. MEMBRANE FLASHING CLAMP. PROVIDE 3" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 17P-500. PROVIDE TRAP PRIMER
D1	FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP. MEMBRANE FLASHING CLAMP. PROVIDE 3" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 9P-500. PROVIDE TRAP PRIMER
E	FLOOR SINK: ZURN # Z1901-32, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR, RECEPTOR PROVIDED WITH ALUMINUM DOME STRAINER WITHOUT GRATE.
E1	FLOOR SINK: ZURN # Z1901-2-32, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR, RECEPTOR PROVIDED WITH PORCELAIN ENAMEL LOOSE-SET 1/2 GRATE AND ALUMINUM DOME STRAINER.
F	NOT USED
G	FLOOR DRAIN WITH FUNNEL: ZURN # ZB415-AR-4 ACID RESISTING EPOXY COATED CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP. 4" FUNNEL. PROVIDE 2" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL. PROVIDE TRAP PRIMER
H	NOT USED
I	GREASE INTERCEPTOR: JENSEN OR EQUAL, 1500 GALLONS, 4" INLET AND OUTLET. TRAP COV COVER. REFER TO CIVIL DRAWINGS FOR LOCATION; THE DESIGN OF THE GREASE INTERCEPTOR SHALL BE APPROVED BY LOCAL CITY REQUIREMENT.
J	WATER HAMMER ARRESTER: J. R. SMITH #5020, 1" NIPPLE OR EQUAL
K	TRAP DRAIN: ZURN 375ST STAINLESS STEEL REDUCED PRESSURE PRINCIPLE ASSEMBLY AT BAGG-N-BOX. REFER TO 19P-500
L	HOSE BIBB: ACORN #8121 WITH VACUUM BREAKER, CHROME PLATED.
L1	HOSE BIBB: WOODFORD MB65 FREEZELESS COMMERCIAL CONCEALED BOX TYPE WALL HYDRANT IN SECURE LOCK STYLE MODULAR BOX. SINGLE CHECK ANTI SIPHON VACUUM BREAKER, CHROME HEAD, BRASS VALVE BODY HYDRANT WITH 3/4" HOSE CONNECTION 18" A.F.F.
M	TRENCH DRAIN: ZURN #Z286-RFS, 6" WIDE x 80" LONG, TRENCH DRAIN SYSTEM. MODULAR CHANNEL SECTIONS SHALL BE MADE OF HIGH DENSITY POLYETHYLENE WITH INTERLOCK ENDS, A RADIUS BOTTOM AND REINFORCED STAINLESS STEEL SLOTTED GRATE.
N	PROVIDE WATTS SD-3 DUAL CHECK VALVE WITH ATMOSPHERIC FLOW AND STRAINER AFTER EACH BV.
O	FREEZE PROOF ROOF HYDRANT: WOODFORD MODEL: SRH-SMS
P1	MOP SINK: GSW # SE2424FM 24"x24" STAINLESS STEEL UNIT WITH 13" HIGH SIDES, 18 GA. STAINLESS STEEL, CHICAGO FAUCET #897 WITH INTEGRAL STOPS IN SHANKS, WALL BRACE, HOSE THREADS, PAL HOOK, VACUUM BREAKER, ROUGH BRASS FINISH; THREE FOOT RUBBER HOSE; 3" TRAPPED AND VENTED WASTE CONNECTION. PROVIDE 3/4" HW & CW RI 8" OC, 36" A.F.F. PROVIDE 3/4" CW HOSE BIBB, ACORN #8121 W/ VACUUM BREAKER, 48" A.F.F. FOR CHEMICAL CONNECTION.
P2	GAS WATER HEATER MFG: RHEEM MODEL: G50-98 50 GALLON, 98,000 BTU/HR GAS INPUT. FIRST HOUR DELIVERY=130 GALLONS @100° RISE, 95 GPH CONTINUOUS RECOVERY @ 100° RISE.
P3	NOT USED.
CP	HW CIRC. PUMP - MFG: BELL & GOSSETT. MODEL: NBF-22U, 1/12 HP, 120 VOLT, 75 GPM @ 10' HEAD
RD	RD - ROOF DRAIN: J.R. SMITH #1010 CAST IRON ROOF DRAINS WITH FLASHING COLLAR AND CAST IRON DOME. FURNISH EXTENSION (SUFFIX-E) FOR INSULATED ROOFS. SUMP RECEIVER (SUFFIX-R) AND UNDER-DECK CLAMP (SUFFIX-C) FOR ALL BUT POURED-IN-PLACE INSTALLATIONS. OUTLET CONNECTION TYPE SHALL BE COMPATIBLE WITH PIPING SYSTEM.
OD	OD - OVERFLOW ROOF DRAIN: J.R. SMITH #1070 WITH SAME FEATURES AS DESCRIBED FOR "ROOF DRAINS". STAINPIPES SHALL BE ADJUSTED AND SECURED SO THAT AFTER THE INSTALLATION OF THE DRAIN ASSEMBLY, THE TOP OF THE STANDPIPE SHALL BE (2") ABOVE THE ADJACENT ROOF SURFACE.
RD2	RD2- ROOF DRAIN: J.R. SMITH #101H04 P/V/C ROOF DRAIN WITH FLASHING COLLAR AND DOME. SUMP RECEIVER (SUFFIX-R) AND UNDER-DECK CLAMP (SUFFIX-C) FOR ALL BUT POURED-IN-PLACE INSTALLATIONS. OUTLET CONNECTION TYPE SHALL BE COMPATIBLE WITH PIPING SYSTEM.

ITEMS IN THIS SCHEDULE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE AND CONNECTED TO THE PLUMBING UTILITIES BY THE PLUMBING CONTRACTOR, WHO SHALL INSTALL ALL PLUMBING DEVICES FURNISHED WITH EQUIPMENT.

WASTE, FS = FLOOR SINK, CFD = CONDENSATE FLOOR DRAIN, VB = VACUUM BREAKER, FLEX = A SIX FOOT COILED LENGTH OF FOOD QUALITY FLEXIBLE REINFORCED PLASTIC TUBING CONNECTED FROM THE ROUGH IN TO THE EQUIPMENT WITH ALL REQUIRED ADAPTERS AND HOSE CLAMPS.

ALL PIPES MUST MAINTAIN A MINIMUM CLEARANCE OF 6" AFF AND MUST BE WELL SUPPORTED NO FLOOR SUPPORTS ALLOWED.

(4A) SERVING COUNTER MOUNTED SODA MACHINE: IF PROVIDED, SODA MACHINE INSTALLER TO PROVIDE DRAIN LINES FROM ICE BIN AND SODA MACHINE TO FS WITH 1" AIR GAP. DRAIN LINE TO BE INSULATED. WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER.

(4AB) BEVERAGE COUNTER MOUNTED SODA MACHINE WITH ICE MACHINE: PROVIDE 3/4" COPPER PIPE IW FROM COUNTER TROUGH DRAIN TO FS WITH 1" AIR GAP, INSULATE. WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER. NO LEGS TO BE INSTALLED. MACHINE TO SET DIRECTLY ON COUNTER.

(4F) WATER FILTER: PROVIDE 1/2" CW AT 96" AFF WITH BV. PROVIDE FLEX AND REDUCED PRESSURE STAINLESS STEEL BACKFLOW PREVENTOR, OR OTHER DEVICE AS REQUIRED BY LOCAL CODE. INSTALL OWNER PROVIDED WATER FILTER AND MAKE CONNECTIONS TO BACKFLOW PREVENTOR AND WATER SUPPLY. PROVIDE ALL REQUIRED FITTINGS TO ALLOW SODA MACHINE INSTALLER TO HOOK UP BOOSTER PUMP TO WATER FILTER. REFER TO DETAIL 19P-500.

(7F) CUSTOM SINK, PROVIDE 1/2" CW AND 1/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATE, 1/2" TURN BALL VALVES. CONNECTED TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PIPING. PROVIDE 2" DRAIN WITH 1" TRAP AND WALL MOUNTED CLEANOUT. ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED.

(9D) ICE TEA MAKER: PROVIDE 1/2" CW AT 24" A.F.F. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE TEA INSTALLER TO HOOK UP ONE BV, OTHER BV FOR OTHER EQUIPMENT.

(10J) SODA MACHINE MOUNTED ICE MACHINE. PROVIDE 1/2" CW AT 24" A.F.F. WITH BV. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE MACHINE INSTALLER TO HOOK UP ICE MACHINE TO CW.

(20A) CHINESE RANGE: PROVIDE 1/2" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP.

(20B) PROVIDE 1/2" GAS SUPPLY AT 9" AFF WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.

(20C) CHINESE RANGE: PROVIDE 1/2" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP. PROVIDE 1" GAS SUPPLY DOWN TO 9" AFF REDUCE TO 3/4" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.

(21G) FRYER: PROVIDE 1/2" GAS SUPPLY DOWN TO 14" AFF. THEN TRANSITION TO 1" WITH 90° ANGLE AND SHUT OFF VALVE. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS WITH 90° ANGLE. SEE DETAIL ON P-500

(25A) RICE COOKER: PROVIDE 1/2" GAS SUPPLY AT 30", AND 3/4" GAS SUPPLY AT 10" AFF WITH SHUT OFF VALVES, ONE FOR EACH UNIT. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS.

(31) WALK-IN COOLER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH 1" TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OF SUPPORTS.

(32) WALK-IN FREEZER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH 1" TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OF SUPPORTS. PROVIDE HEAT TRACE REFER TO ELECTRICAL DRAWING.

(40A) POT SINK: PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF AND 8" OC WITH BVS & CV. CONNECT TO OWNER SUPPLIED FAUCET WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW (MANIFOLD ALL COMPARTMENT DRAINS INTO ONE LINE) TO FS WITH 2" AIR GAP. OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS. SEE DETAIL ON SHEET P-500.

(40B) FAUCET FOR CHEM: T&S BRASS MODEL #B-0669-POL. PROVIDED BY G.C.

(41B) SINGLE BOWL PREP SINK: PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF AND 8" OC WITH BVS. TRANSITION TO 3/2" PRIOR TO CONNECTION. CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP. OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS.

(41C) HAND SINK: PROVIDE 1/2" CW AND 1/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/2" TURN BALL VALVES. CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PIPING. PROVIDE 2" DRAIN PIPE WITH 1" TRAP AND WALL MOUNTED CLEAN-OUT. ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C.

1. SODA CONDUIT: PROVIDE 4" PVC CONDUIT BELOW FLOOR FROM THE SIDE OF SODA STORAGE RACK TO SODA DISPENSER PER DETAIL #4 ON SHEET P-500.
2. CONDENSATE: ROUTE SHARED CONDENSATE LINE THROUGH WALK-IN COOLER. DO NOT RUN THROUGH WALK-IN FREEZER. PROVIDE 1" INSULATED CONDENSATE DRAIN PIPE FROM EVAPORATIVE COIL DISCHARGE TO FLOOR SINK OR MOP SINK WITH AIR GAP OF TWICE PIPE DIAMETER. INSTALL AT MINIMUM 76" HEIGHT A.F.F. REFER TO DETAIL #2 ON SHEET P-500.
3. ROUTE WATER HEATER DRAIN PAN TO MOP SINK.
4. PROVIDE TRAP PRIMER FOR FLOOR DRAIN. SEE DETAIL 17/P-500.
5. NOT USED.
6. RDL & ODL LINES DN. IN WALL TO BELOW SLAB. RDL & ODL LINES SHALL CONTINUE BELOW GRADE AND CONNECT INTO SITE STORM DRAINAGE SYSTEM. SEE CIVIL PLANS FOR CONTINUATION AND SIZING OF PIPING.
7. COMBINATION WASTE/VENT
8. 3" PVC ROOF DRAIN TO BELOW SLAB. DRAIN LINE SHALL CONTINUE BELOW GRADE AND CONNECT INTO STORM DRAINAGE SYSTEM. SEE CIVIL PLANS FOR CONTINUATION AND SIZING OF PIPING. OVERFLOW ACHIEVED WITH SCUPPER AT THIS CONDITION.
9. TRAP PRIMER REFER TO DETAIL 9/P-500.

ITEM	FIXTURE	QTY	WATER FU		SEWER FU	
			EACH	TOTAL	EACH	TOTAL
(A)	WATER CLOSET	2	5	10	4	8
(B)	LAVATORY	2	2	4	1	2
(D)(D1)	FLOOR DRAIN 3" TRAP	6	—	—	5	30
(E)(E1)	FLOOR SINK 3" TRAP	8	—	—	5	40
(P1)	MOP SINK	1	3	3	2	2
(G)	FLOOR DRAIN W/ FUNNEL 2" TRAP	2	—	—	3	6
(L)(L1)	HOSE BIBB	3	4	12	—	—
(M)	TRENCH DRAIN 3" TRAP	1	—	—	5	5
(4F)	FILTER SYSTEM	1	1	1	FS	—
(9D)	ICE TEA BREWER	2	1	2	FS	—
(10J)	400 LB ICE MACHINE	2	1	2	FS	—
(20A)	CHINESE RANGE	1	2	2	FS	—
(20C)	CHINESE RANGE	1	2	2	FS	—
(40A)(40B)	POT SINK (3.COMP.)	1	4	4	FS	—
(41B)(41C)	PREP. SINK (1.COMP.)	2	4	8	FS	—
(45A)(7F)	HAND SINK (WALL MOUNT)	3	2	6	1	3
TOTAL			56		91	

SERVICE	TOTAL F.U.
DOMESTIC WATER	56
SANITARY SEWER	91

SERVICE	SIZE MAIN	CAPACITY
DOMESTIC WATER	1-1/2 INCH	32 GPM
SANITARY SEWER	4 INCH	91 F.U.
FUEL GAS	3 INCH	2203 CFH
FIRE PROTECTION	INCH	GPM

PIPE SIZE	GPM	VELOCITY FT/SEC	FIXTURE UNITS			
			F - TANK		F - VALVE	
1/2"	2.5	3.5	2	F.U. @ psi	60	F.U. @ psi
3/4"	6.6	4.4	8	F.U. @ psi		F.U. @ psi
1"	13.4	5.2	19	F.U. @ psi		F.U. @ psi
1-1/4"	23.3	5.9	37	F.U. @ psi		6 F.U. @ psi
1-1/2"	36.7	6.6	74	F.U. @ psi		23 F.U. @ psi
2"	76.4	7.9	254	F.U. @ psi	▼	132 F.U. @ psi

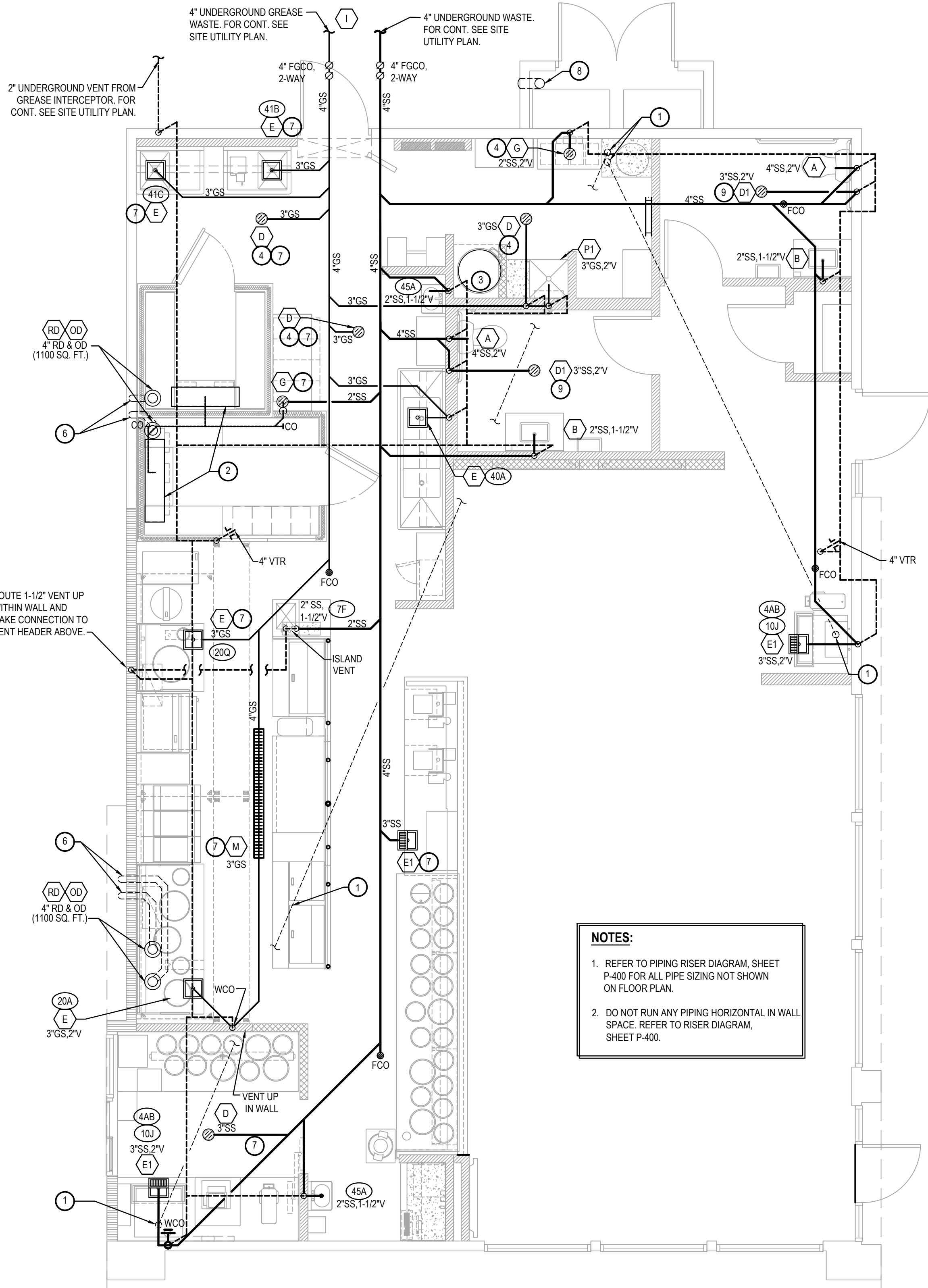
** PRESSURE REGULATING VALVE MODEL: N/A SIZE N/A

PIPE SIZE	GPM	VELOCITY FT/SEC	FIXTURE UNITS	
			F - TANK	F - VALVE
1/2"	2.5	3.5	2 F.U. @ psi	F.U. @ psi
3/4"	6.6	4.4	8 F.U. @ psi	F.U. @ psi
1"	13.2	5.0	19 F.U. @ psi	F.U. @ psi
1-1/4"	19.0	5.0	37 F.U. @ psi	6 F.U. @ psi

FIXTURE	QTY.	FU	FU TOTAL
FLOOR DRAIN/FLOOR SINK 3" TRAP	8	5	40
TRENCH DRAIN 3" TRAP	1	5	5
MOP SINK	1	2	2
TOTAL			47 (24 GPM)

FLOW THROUGH TYPE GREASE INTERCEPTOR MINIMUM SIZE WILL BE 50 POUND GREASE CAPACITY PER IPC, TABLE 1003.34.1.

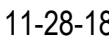
GREASE INTERCEPTORS IN SERIES TO BE SIZED AT 1500 GALLONS EACH, IN ACCORDANCE WITH LOCAL CITY REQUIREMENTS. COORDINATE WITH CIVIL SITE PLAN AND DETAIL SHEETS ON EXACT LOCATION AND INSTALLATION INSTRUCTIONS.



1

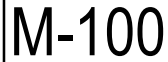
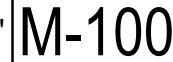
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P-101



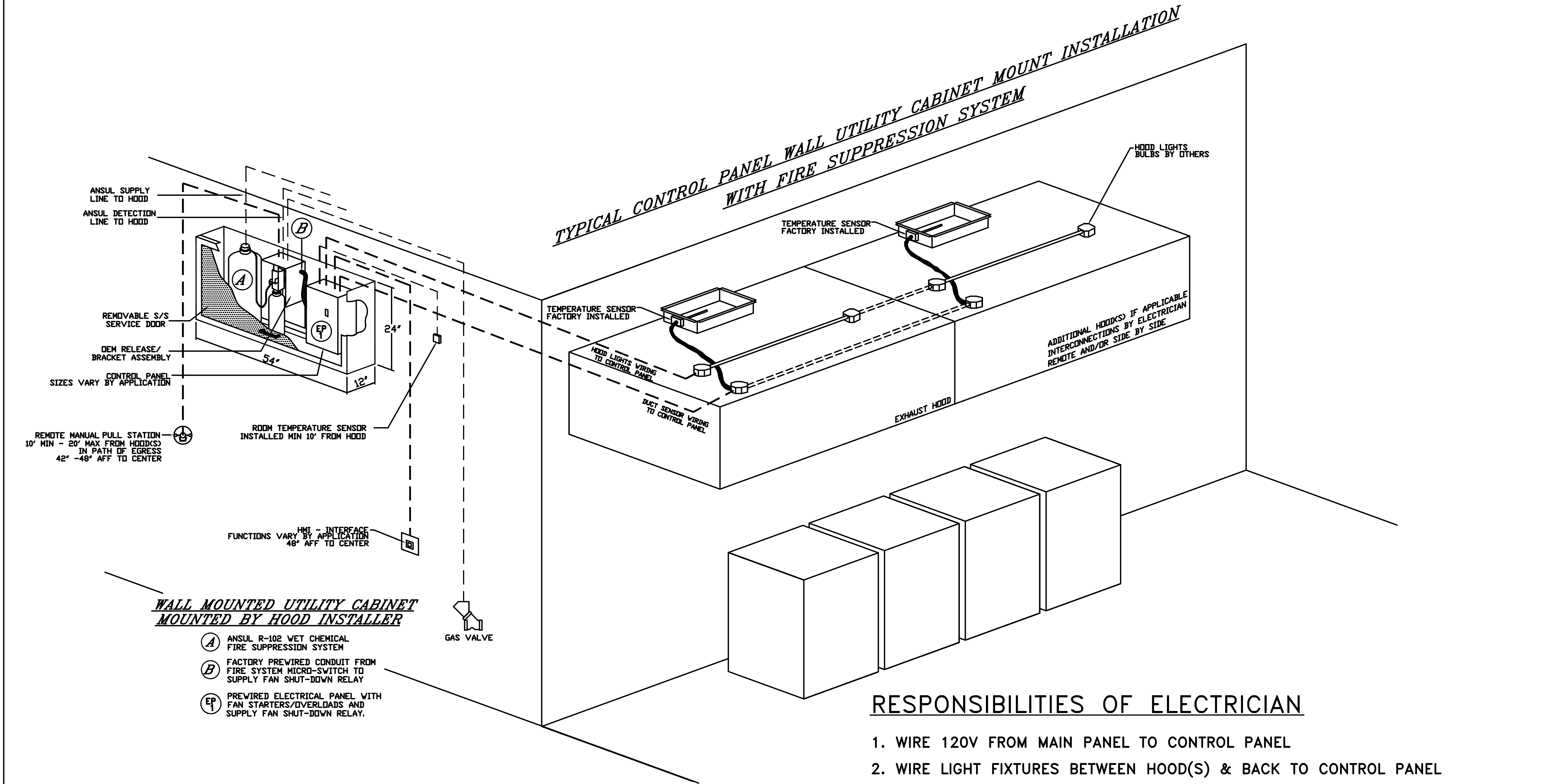
2200 TRUE R1 (DAB 013)

WASTE & VENT PLAN



H.V.A.C. FLOOR PLAN &
H.V.A.C. ROOF PLAN

H.V.A.C. FLOOR PLAN &
H.V.A.C. ROOF PLAN



TERMINAL BLOCK WIRING DETAILS CAN BE FOUND ON ELECTRICAL WIRING DIAGRAMS

RESPONSIBILITIES OF ELECTRICIAN

1. WIRE 120V FROM MAIN PANEL TO CONTROL PANEL
2. WIRE LIGHT FIXTURES BETWEEN HOOD(S) & BACK TO CONTROL PANEL
3. WIRE TEMPERATURE SENSOR(S) FROM EXHAUST COLLARS TO CONTROL PANEL
4. MOUNT & WIRE ROOM SENSOR TO CONTROL PANEL
5. WIRE FAN POWER FROM MAIN PANEL THROUGH CONTROL PANEL TO FAN(S)
6. WIRE SHUNT COIL TO CONTROL PANEL
7. WIRE GAS VALVE (IF APPLICABLE) TO CONTROL PANEL (120V FROM CONTROL PANEL)

ADDITIONAL RESPONSIBILITIES IF APPLICABLE

1. IF MULTIPLE FIRE SYSTEMS ON SINGLE CONTROL PANEL, THE FOLLOWING MUST OCCUR
 - A. ANSUL AUTOMAN MICROSWITCHES TO BE WIRED IN SERIES BACK TO CONTROL PANEL
 - B. ANSUL CATRIDGE MICROSWITCHES TO BE WIRED IN SERIES BACK TO CONTROL PANEL

RESPONSIBILITIES OF ALARM CONTRACTOR

1. WIRE ANSUL ALARM MICROSWITCH TO BUILDING ALARM PANEL

REVISIONS

REVISIONS	DESCRIPTION	DATE
Δ		
Δ		
Δ		
Δ		

CAPTIVE

Southern California Office

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Panda Express - Nashville TN (S8-19-D6559)

0

DATE: 11/23/2018

DWG.#: 3626928

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO. 2



PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
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Telephone: 626.799.9898
Facsimile: 626.372.6288

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REVISIONS:

ISSUE DATE:

1st	COORDINATION	11-28-18

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559
ARCH PROJECT #: 1805

Project No. PE1805

Kurzynske & Associates
CONSULTING ENGINEERS
2900 Lebanon Pike
Suite 201
Nashville, Tennessee 37214

NOT FOR CONSTRUCTION

11-28-18

PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

M-401

HOOD DETAIL PLAN

EXHAUST FAN INFORMATION - Job#3626928

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SDNES
1		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
2		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
3		DD7FA	450	0.250	1128	0.250	0.0850	1	115	4.8		90	6.2

MUA FAN INFORMATION - Job#3626928

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.	COOLING COIL LEAVING WB TEMP.	COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SDNES	BURNER EFFICIENCY(%)
4		A3-D500-G18	G18-PB	A3-D500	3500	5520	0.750	922	5.000	3.7620	3	208	15.0	95.0°F	78.0°F	81.6°F	72.6°F	120.0 MBH	77.9 MBH	42.1 MBH	1696	17.7	92

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
4		407160	374587	65 deg F	7 in. w.c. - 14 in. w.c.	Natural

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - Grease Box 1 - Upblast Fan Wheel Access Port
2		1 - Grease Box 1 - Upblast Fan Wheel Access Port
3		1 - I 15-BDD Damper 1 - AC Interlock Relay - 24VAC Coil 1 - Low Fire Start 1 - Inlet Pressure Gauge, 0-35" 1 - Manifold Pressure Gauge, -5 to 15" wc 1 - Motorized Backdraft Damper for A3-D Housing 1 - DX Coil Module -3,000 to 7,000 CFM (10 Ton 2 Circuit Coil) 1 - Downturn Plenum for Size 3 DX Coil Module 1 - 10 Ton, 2 Circuit, 208/230V 3 Phase Condenser Kit, 4-6 week lead time. 1 - Curb Duct Hanger 1 - Cooling Thermostat and Relay (Not req for evap) 1 - DXW 3-1 Refrigeration Parts Kit - R410A 1 - VAV Package w/ Manual Control (VFD Included) 1 - VFD factory mounted and wired in commercial control vestibule for tempered supply fan.

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST				SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT	
1		YES							
2		YES							
3			YES						
4							YES		

CURB ASSEMBLIES

NO.	DN FAN	WEIGHT	ITEM	SIZE
1	# 1	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
2	# 2	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
3	# 3	18 LBS	Curb	19.500"W x 19.500"L x 12.000"H
4	# 4	30 LBS	Rail	6.000"W x 35.000"L x 20.000"H
4	# 4	82 LBS	Curb	35.000"W x 84.000"L x 20.000"H Insulated

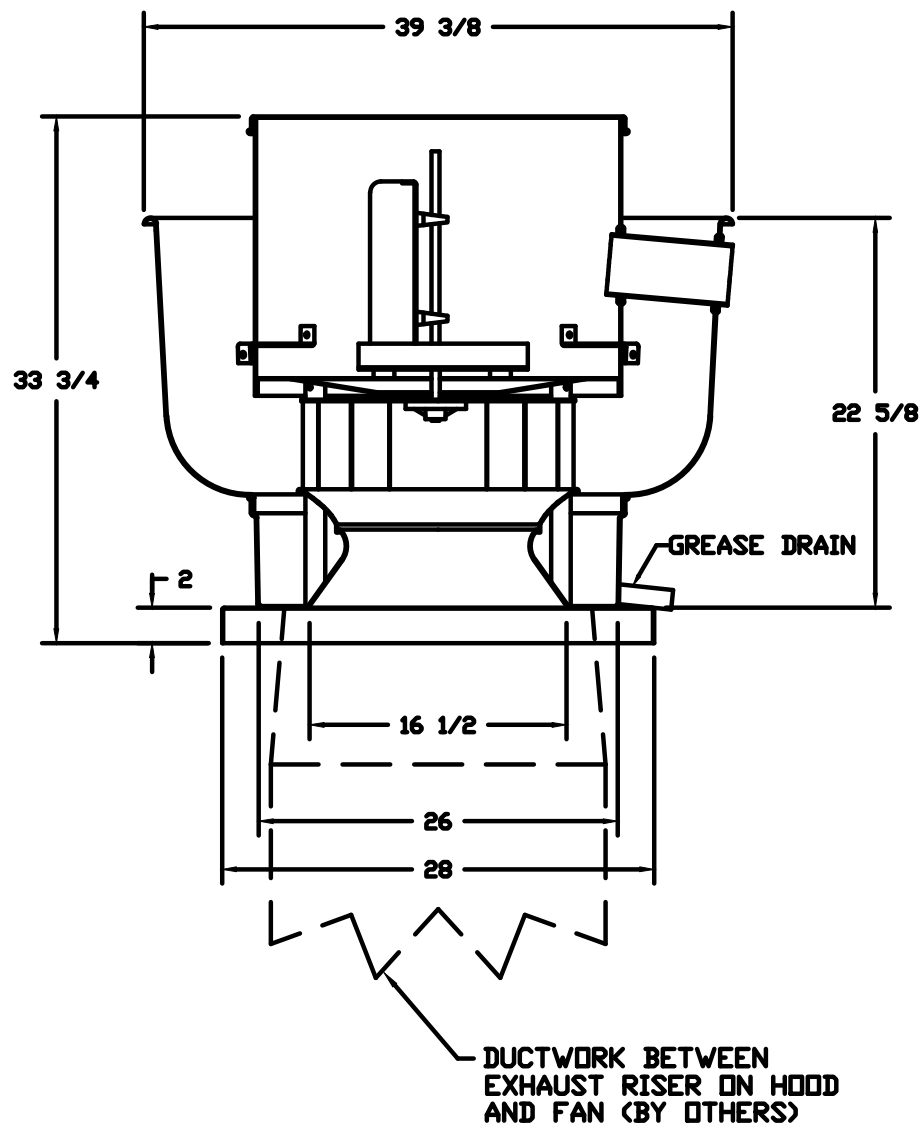
NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

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STONE HILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM

FANS #1, #2 - NCA16FA EXHAUST FAN



FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

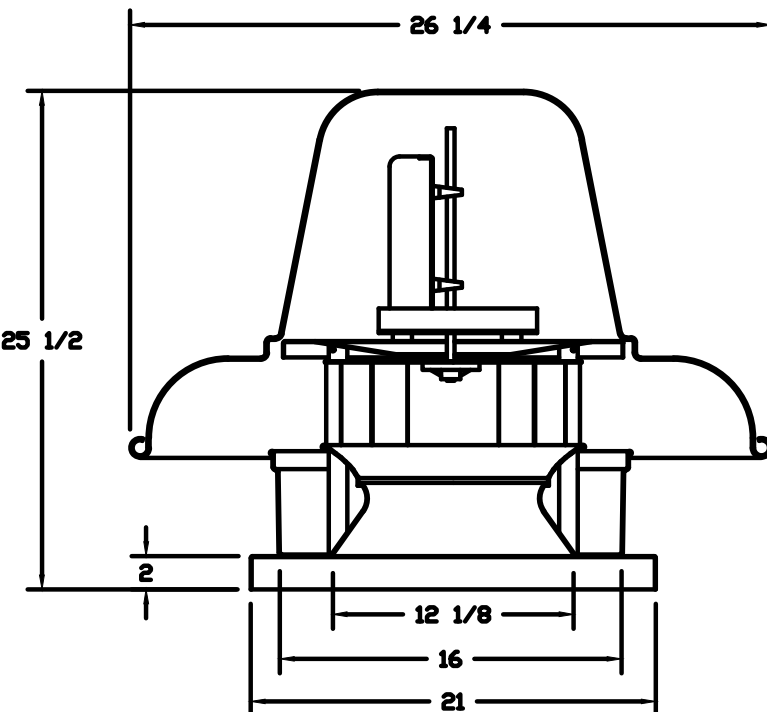
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETEIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

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

OPTIONS

- GREASE BOX
- UPBLAST FAN WHEEL ACCESS PORT.

FAN #3 DD7FA - EXHAUST FAN

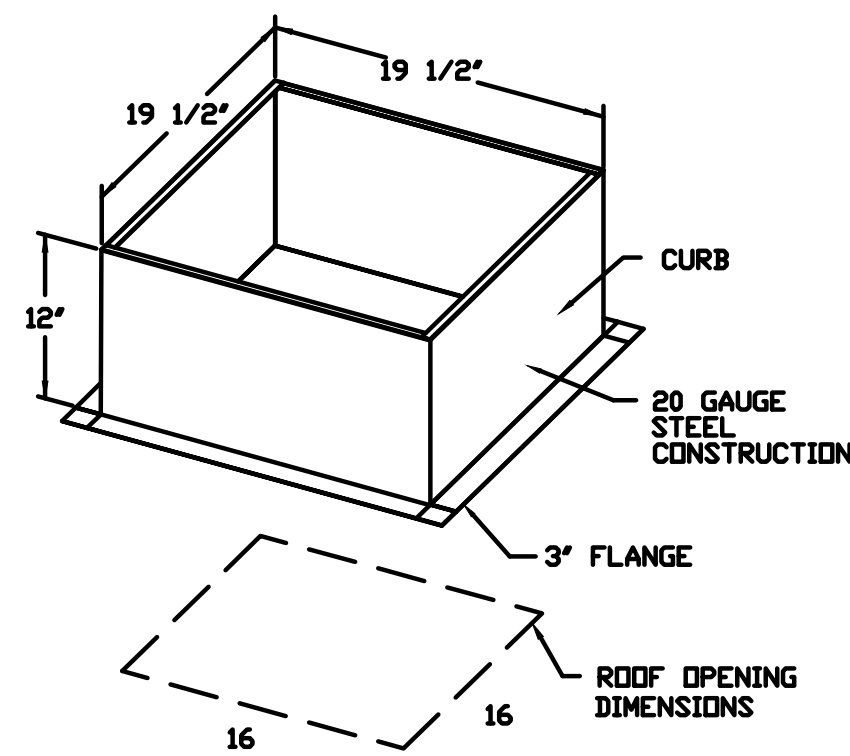
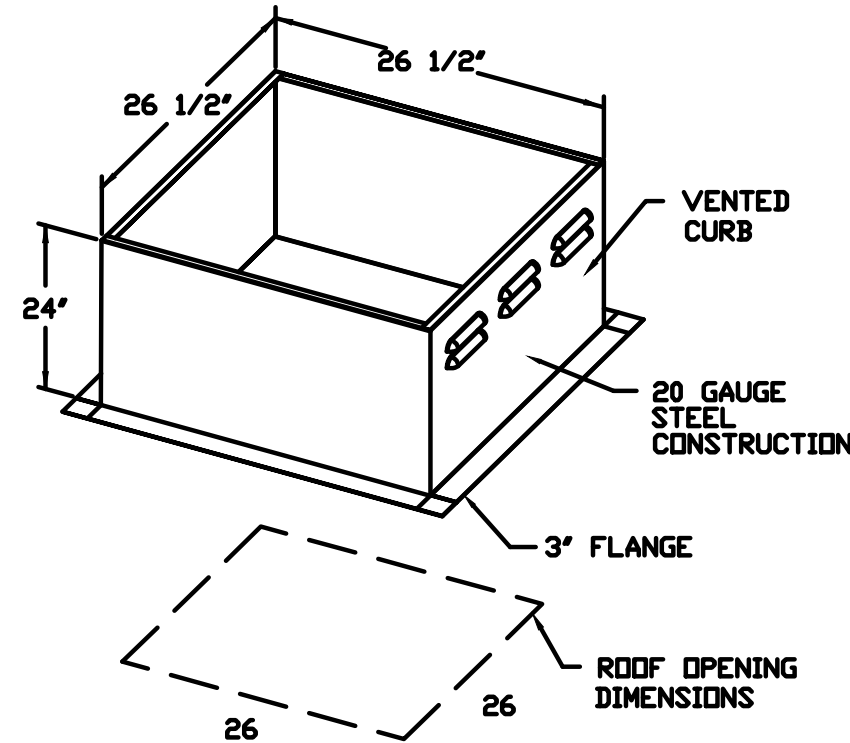


FEATURES:

- ROOF MOUNTED FANS
- UL705
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- DISCONNECT SWITCH
- STANDARD BIRD SCREEN

OPTIONS

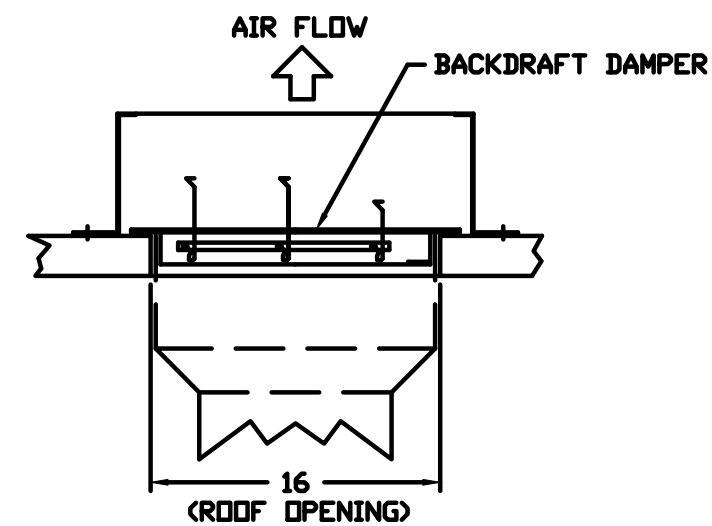
- I 15-BDD DAMPER.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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

BACKDRAFT DAMPER INSTALLATION



REVISIONS

DESCRIPTION	DATE

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Panda Express - Nashville TN (S8-19-D6559)

DATE: 11/23/2018

DWG.#: 3626928

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO. 3



PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
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REVISIONS:

ISSUE DATE:

1st	COORDINATION	11-28-18

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.
PE1805

Kurzynske & Associates
CONSULTING ENGINEERS
2900 Lebanon Pike
Suite 201
Nashville, Tennessee 37214

NOT FOR CONSTRUCTION

11-28-18

PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

M-402

HOOD DETAIL PLAN

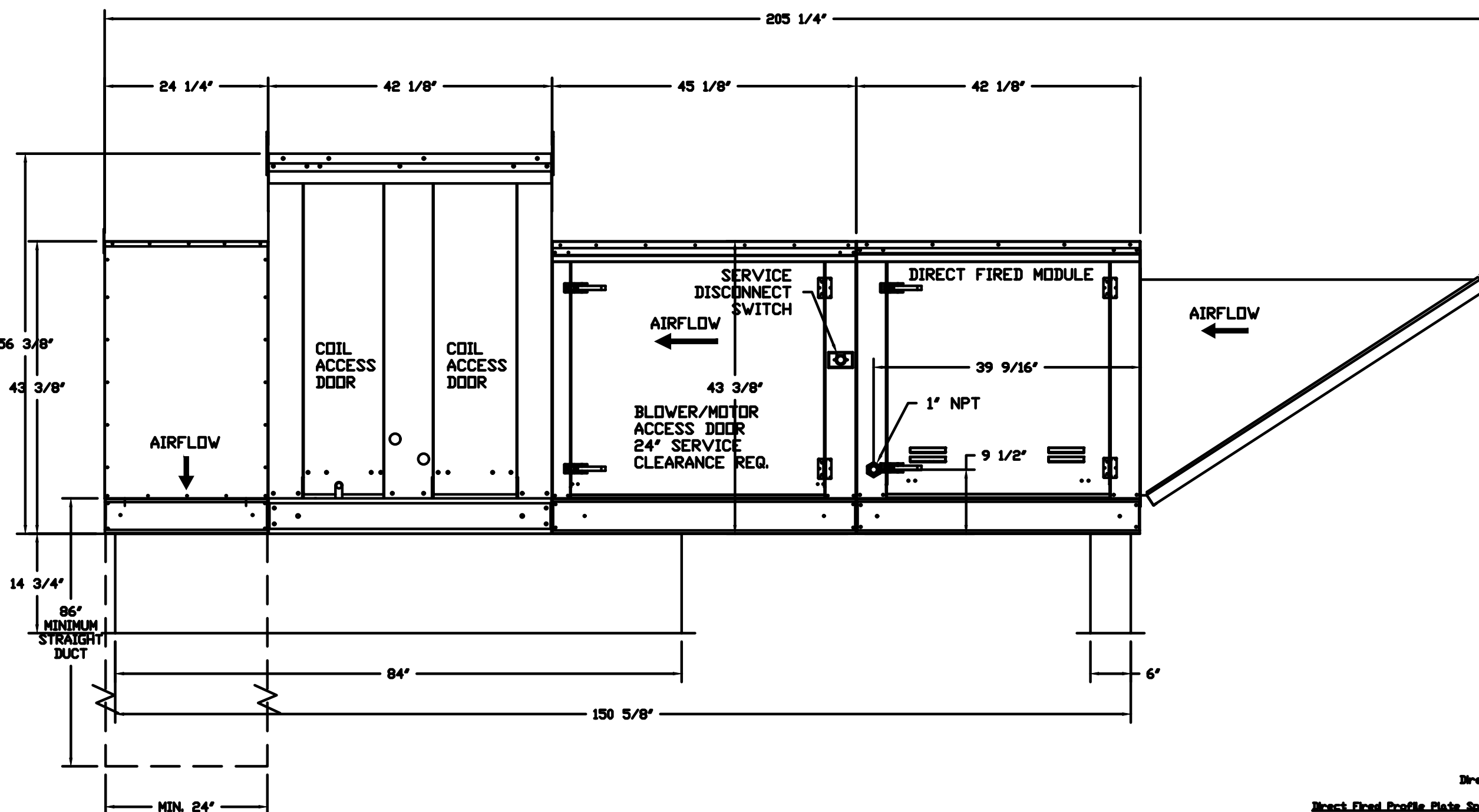


Technical drawing of a 20' equipment curb. The drawing shows a side elevation of the curb with the following dimensions and labels:

- Top Width:** 54 1/2"
- Bottom Width:** 35'
- Left Side Height:** 5 1/4"
- Right Side Height:** 14 3/4"
- Overall Height:** 20'
- Labels:**
 - LIFTING LUG:** Points to the top lifting mechanism on the left side.
 - 20' EQUIPMENT CURB:** Points to the main body of the curb.

Refer to Plumbing Detail P-500 for
AC Unit Condensate Drain

1) 1" diameter PVC Pipe only
2) Use only low profile couplings
3) Add clean out as shown



FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE HILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM

REVISIONS	
DESCRIPTION	DATE
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Panda Express - Nashville TN (S8-19-J6559)

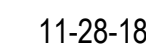
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Southern California Office

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DATE: 11/23/2018
DWG.#: 3626928
DRAWN BY: AHJ-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 4



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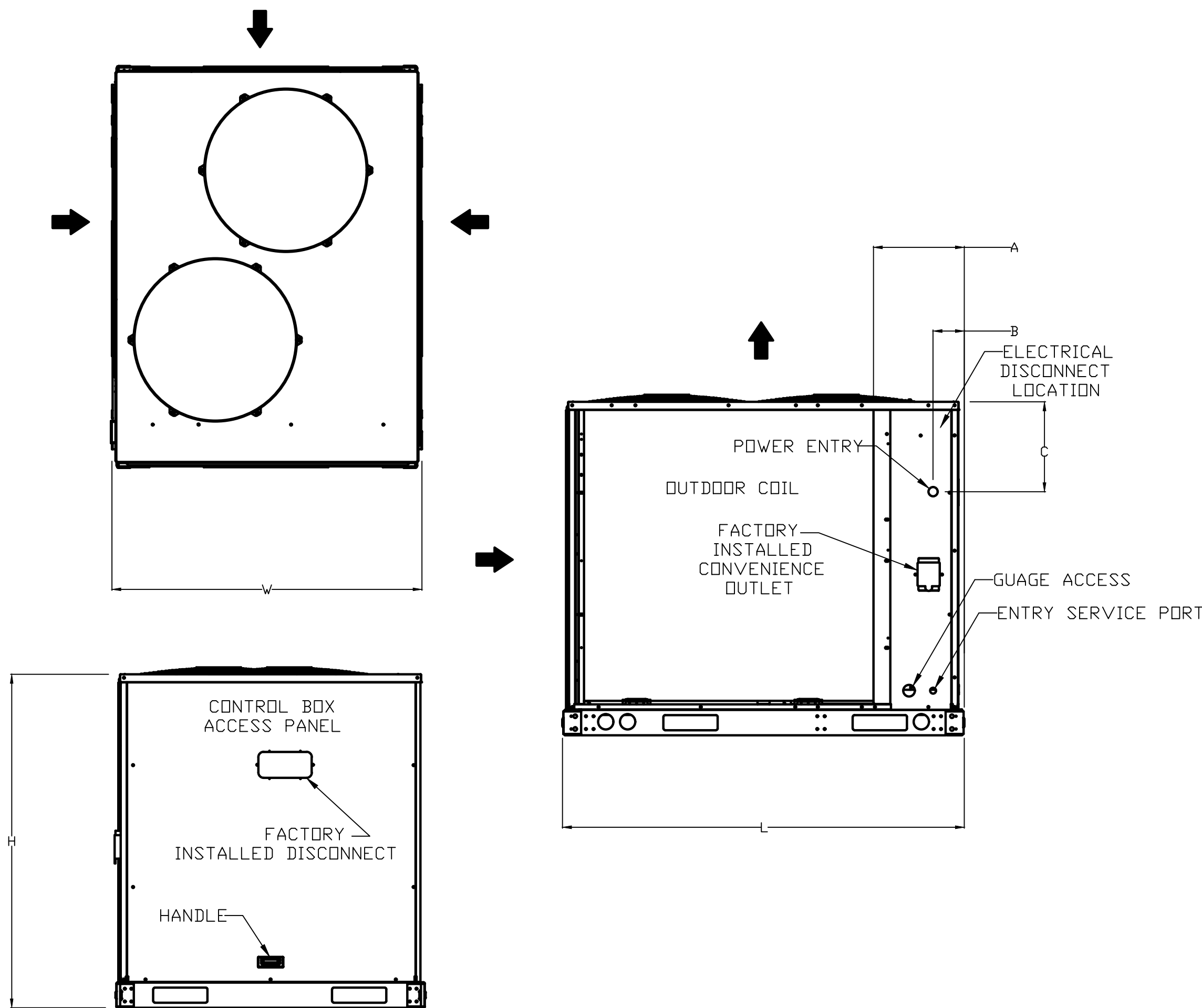
HOOD DETAIL PLAN

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TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	UNIT DIMENSIONS						CONNECTION SIZES		NOMINAL TONNAGE
		A	B	C	H	L	W	SUCTION	LIQUID	
38AUD12	499 LBS	10-1/16	3-3/4	13-1/4	50-3/8	59-3/8	45-7/8	1-1/8	3/8	10

ELECTICAL INFORMATION

	V-PH-HZ	RLA	MCA	FUSE SIZE
38AUD12	208/230-3-60	32	40.6	60

REVISIONS

DESCRIPTION	DATE

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Panda Express - Nashville TN (S8-19-D6559)

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DATE: 11/23/2018

DWG.#:
3626928

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO.
5

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Project No.
PE1805

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Nashville, Tennessee 37214

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ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214
2200 TRUE R1 (DAB 013)

M-404
HOOD DETAIL PLAN

ELECTRICAL PACKAGE - Job#3626928

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED			
				LOCATION	QUANTITY		TYPE	HP	VOLTS	FLA
1		SC-321110MA-SEP	Wall Utility Cabinet Left	08 - Ship Loose w/ Prewire	1 Light 1 Fan	Smart Controls Thermostatic Control w/ Relay On/Off with Supply	Exhaust	3	2,000	208 5.9
							Exhaust	3	2,000	208 5.9
							Supply	3	5,000	208 15.0

JOB NO
3626928

MODEL NUMBER
SC-321110MA-SEP

DRAWN BY

SCHEMATIC TYPE
INSTALL

DESCRIPTION OF OPERATION:

3 Phase w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on In Fire, Lights out in Fire, Fan(s) On/Off Thermostatically Controlled, Separate Breaker Input for each Fan, Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

JOB NAME
Panda Express - Nashville TN ...

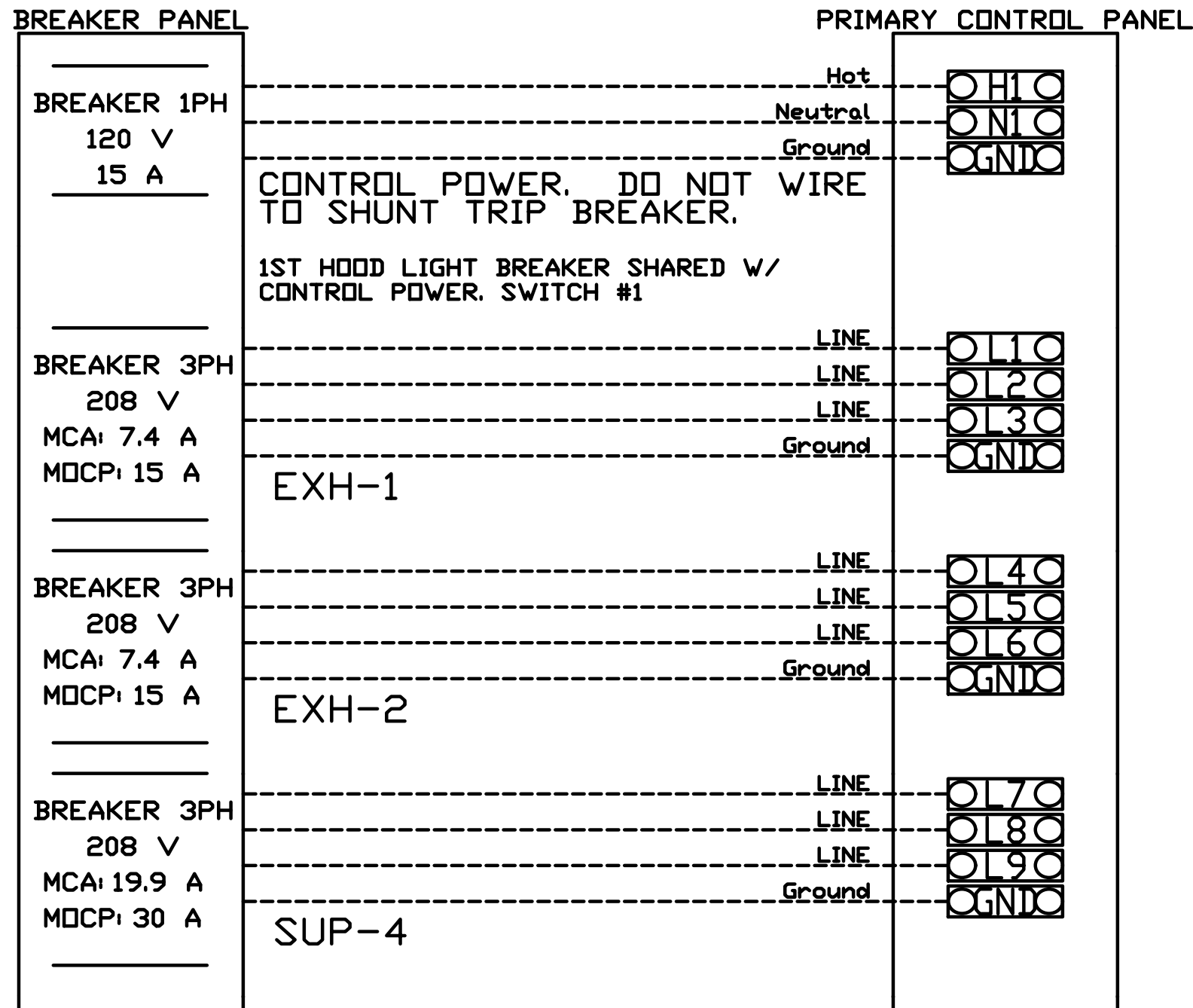
DATE
11/23/2018

DWG NO
ECP #1-1

BREAKER PANEL TO PRIMARY CONTROL PANEL

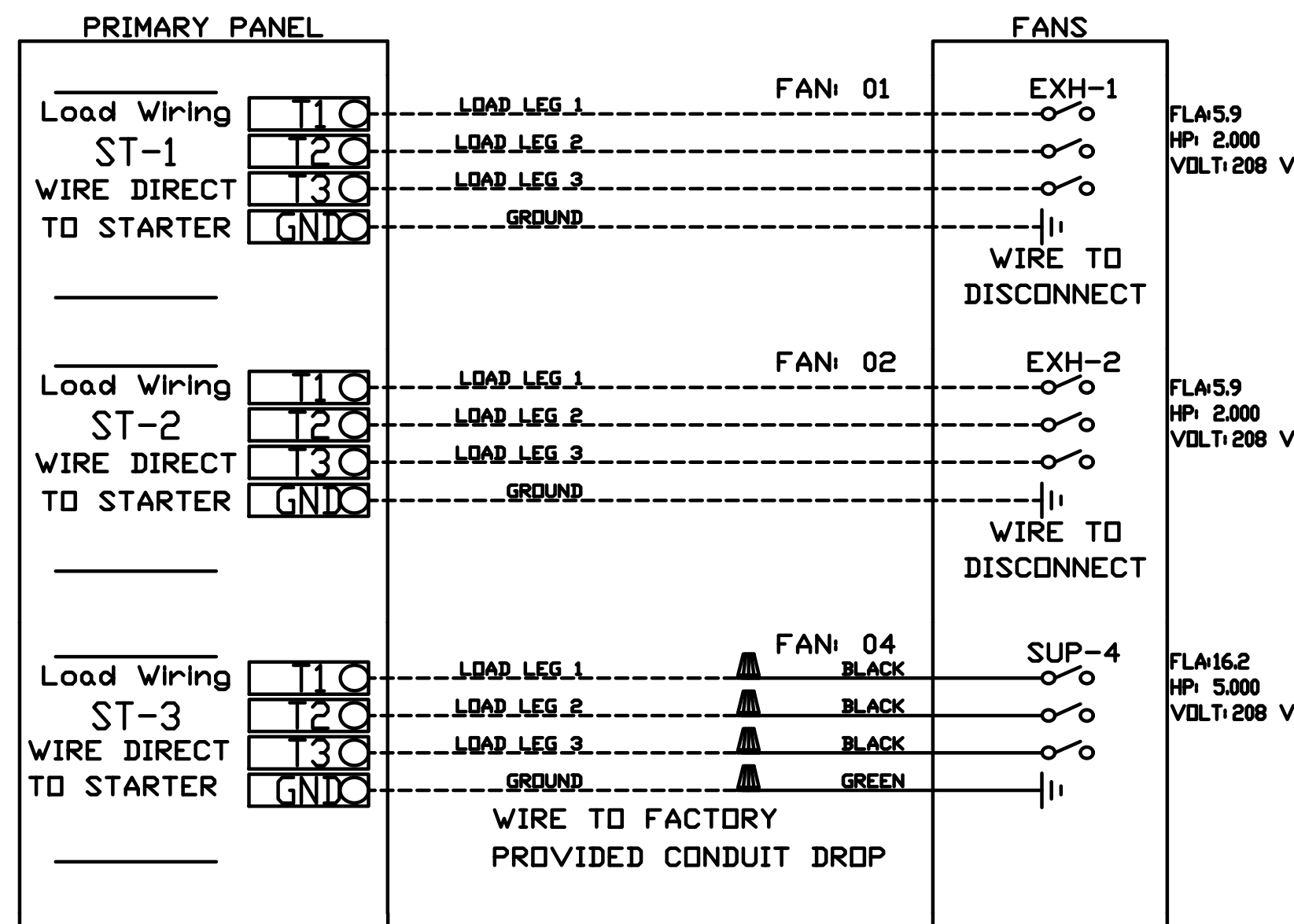
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



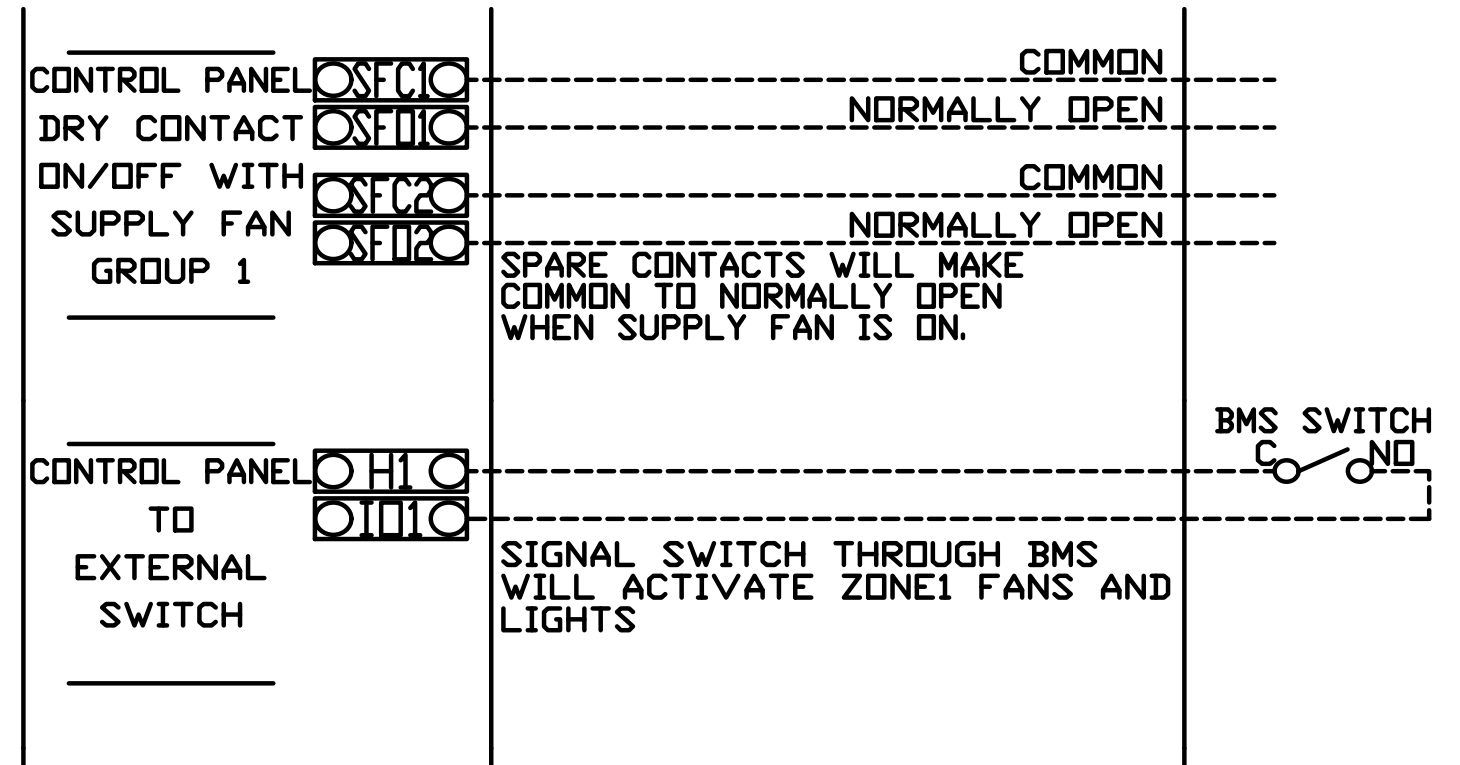
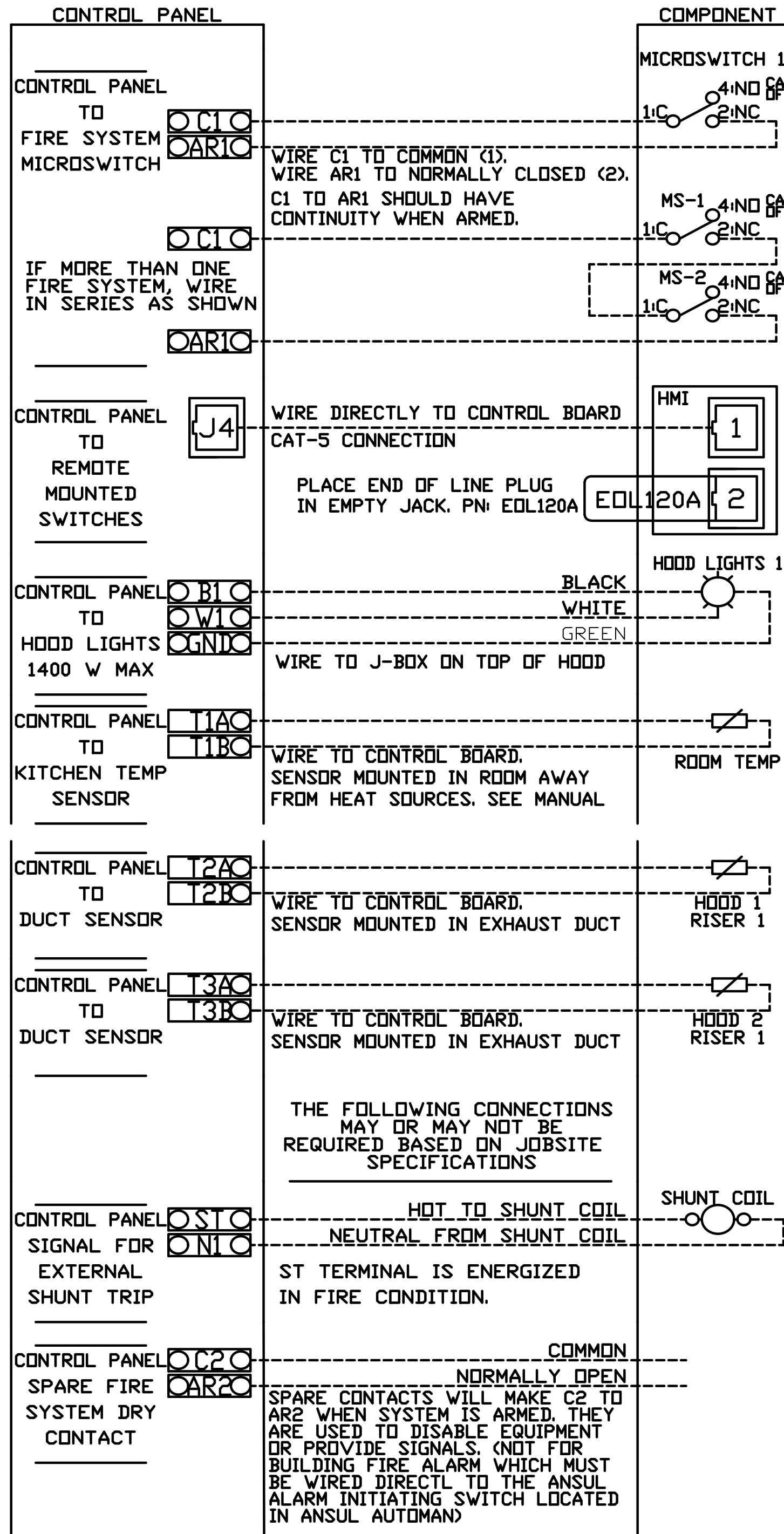
CONTROL PANEL TO FANS

Responsibility: Electrician



CONTROL PANEL TO ACCESSORY ITEMS

Responsibility: Electrician

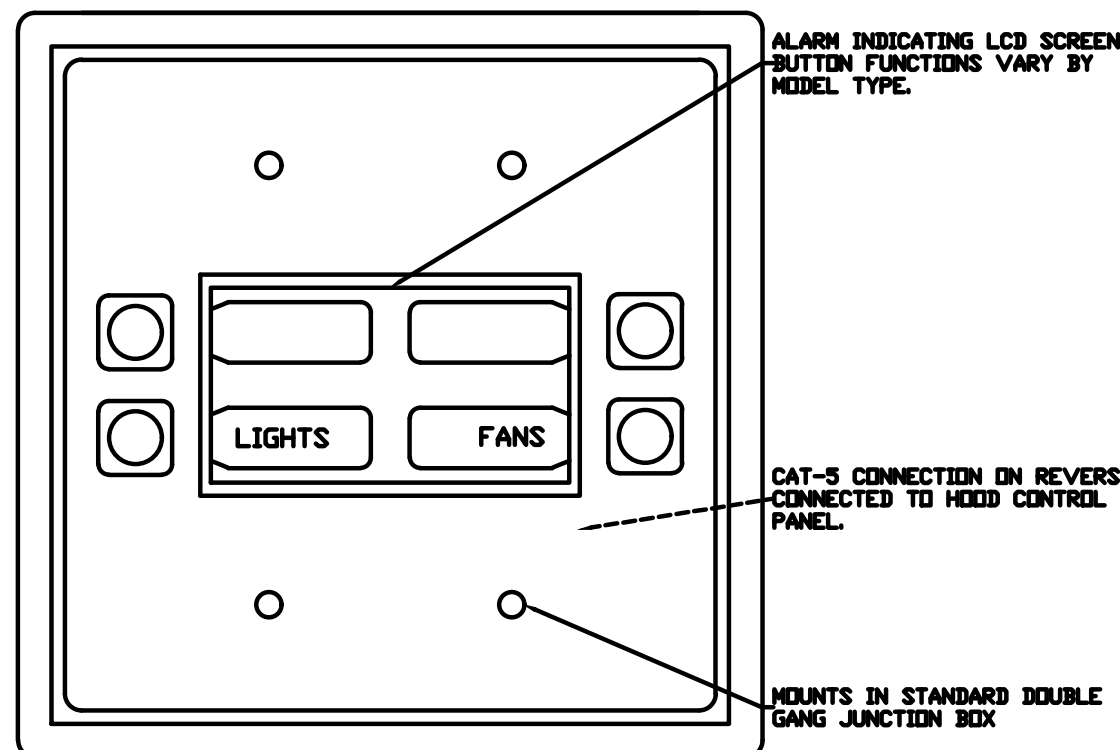


NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE CAPTIVEAIRE SOUTHERN CALIFORNIA OFFICE
STONE HILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM



REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captivaire.com

Panda Express - Nashville TN (S8-19-D6559)

DATE: 11/23/2018

DWG.#:
3626928

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO.
6



PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.6288

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REVISIONS:

NO.	DESCRIPTION	DATE
1	COORDINATION	11-28-18
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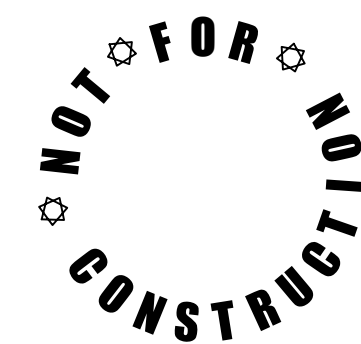
DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.
PE1805

Kurzynske
& Associates
CONSULTING ENGINEERS
2900 Lebanon Pike
Suite 201
Nashville, Tennessee 37214



11-28-18

PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214
2200 TRUE R1 (DAB 013)

M-405

HOOD DETAIL PLAN

PERFORMANCE TEST FOR LISTED MECHANICAL HOOD IS REQUIRED PER UMC 509.11

GREASE HOOD SYSTEM CALCULATION

1. TYPE : CANOPY TYPE I, STAINLESS STEEL 18 GAUGE,
2. COOKING EQUIPMENT: (2) CHINESE RANGE, (2) DEEP FRYER, RICE COOKER
3. SIZE: 23'-6" x 4'-0" + 2'-0" MAKEUP AIR PLENUM
4. MIN. REQ'D CAPACITY CFM: (2) U.L. LISTED HOOD @ 3,450 CFM EACH
5. PROPOSED (2) EXHAUST FAN & (1) MAKE-UP AIR UNIT. EF1 & EF2 (3,450 CFM EACH); MAU1 (5,520 CFM, 80% OF EXHAUST)
6. EXHAUST DUCT SIZE: 22"x14"
7. EXHAUST VELOCITY @ EXHAUST DUCT $3450/(22"x14"/144) = 1612$ FPM 1500FPM < 1612 FPM < 2500FPM
8. EXHAUST FAN (EF1 & EF2) AND MAKE-UP AIR UNIT (MAU1) SHALL BE ELECTRICALLY INTERLOCKED
9. FOR CODE COMPLIANCE SEE DETAIL
10. FOR FILTER INFORMATION SEE CAPTIVEAIRE DWG #M-400.
11. INTERLOCK RTU FANS TO OPERATE WITH KEF'S FOR MAKEUP AIR.

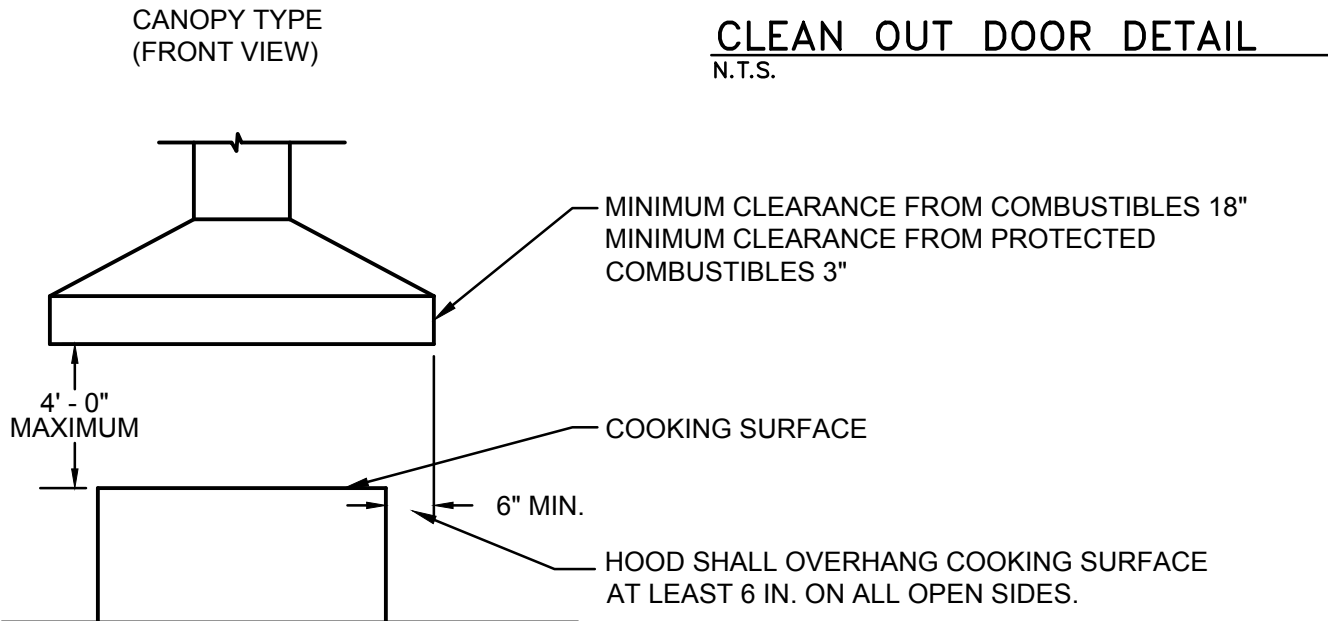
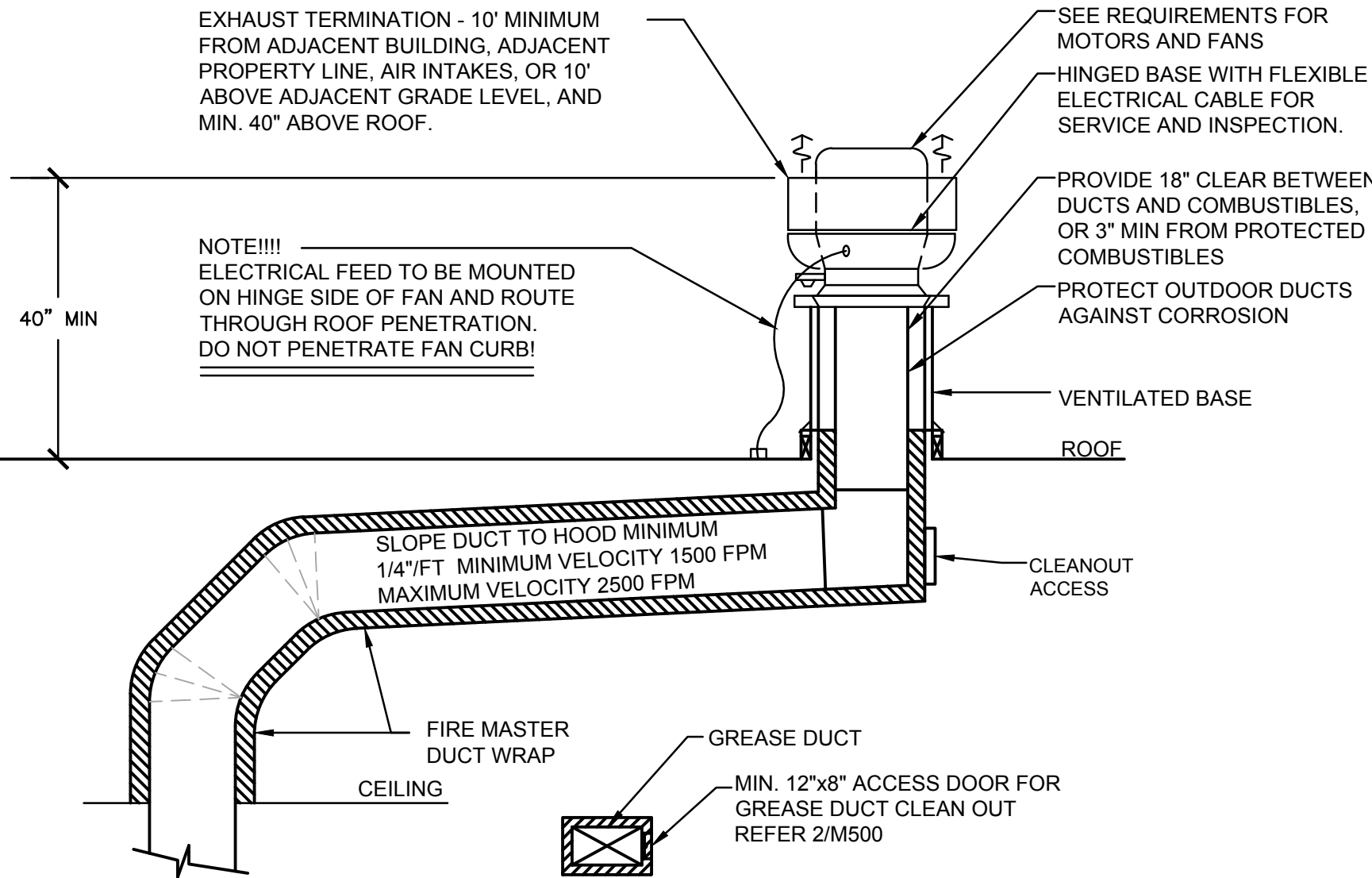
INFORMATIONAL GUIDE FOR COMMERCIAL COOKING HOODS

1. STAINLESS STEEL TO BE NO. 18 U.S. GAGE
2. WHEN GUTTERS ARE PROVIDED THEY SHALL DRAIN TO A COLLECTING PAN WHICH IS READILY ACCESSIBLE FOR CLEANING
3. SEE TABLE 507.11 FOR MINIMUM DISTANCE BETWEEN LOWER EDGE OF GREASE FILTER AND THE COOKING OR HEATING SURFACE.
4. GREASE FILTERS SHALL BE OF STEEL CONSTRUCTION AND READILY ACCESSIBLE FOR CLEANING.
5. ALL JOINTS AND SEAMS SHALL BE GREASE TIGHT.
6. HOODS SHALL BE SECURELY FASTENED IN PLACE BY INCOMBUSTIBLE SUPPORTS.

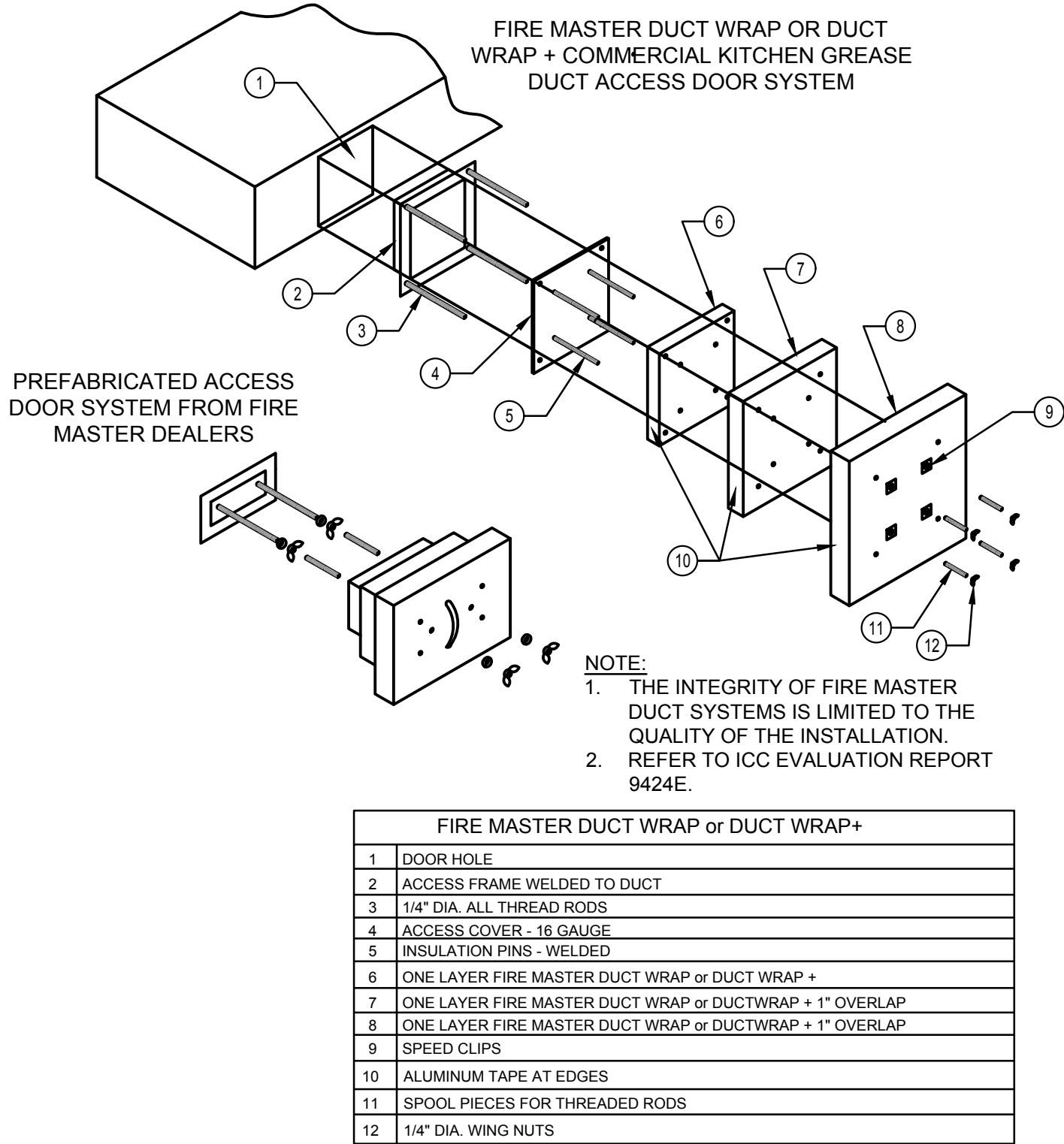
NOTES

1. PROVIDE ADEQUATE CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
2. PROVIDE ADEQUATE MAKE-UP AIR FOR PROPER OPERATION.
3. PROVIDE A SEPARATE DUCT SYSTEM FOR EACH HOOD.
4. THICKNESS OF DUCTS SHALL BE:

DUCT AREA	U.S. GAGE STEEL
UP TO 4 SQ. FT.	16 GA
OVER 4 SQ. FT.	14 GA
5. WELD OR BRAZE ALL DUCT JOINTS AND SEAMS ON THE EXTERNAL SURFACE.
6. SUPPORT THE DUCTS AS REQUIRED. DO NOT PENETRATE DUCT WALLS WITH SCREWS, NAILS, ETC.
7. SECTIONS OF DUCT SHALL NOT CONTAIN GREASE POCKETS.



(FOR REFERENCE ONLY)



GREASE DUCT ACCESS DOOR 2

M-500

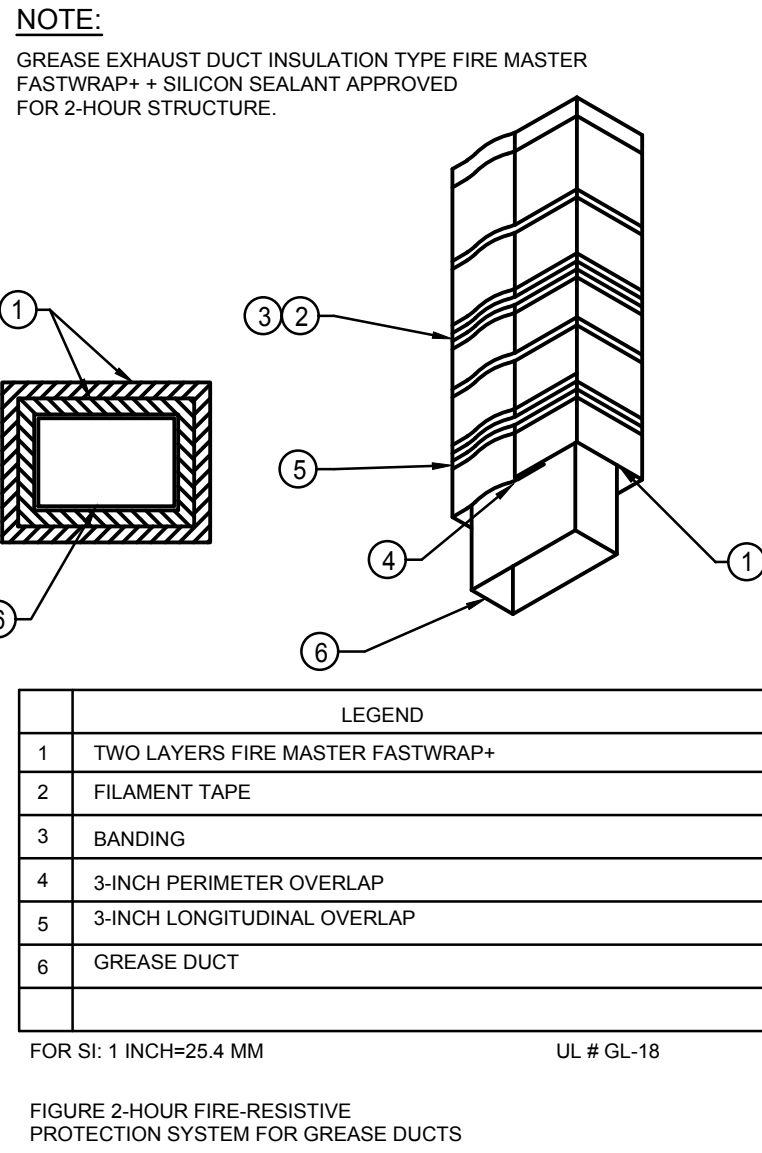


FIGURE 2-HOUR FIRE-RESISTIVE PROTECTION SYSTEM FOR GREASE DUCTS

2 HOUR GREASE DUCT WRAP 1

Scale: NO SCALE M-500



PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
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Facsimile: 626.372.8288

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REVISIONS:

ISSUE DATE:

1st COORDINATION 11-28-18

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.

PE1805

Kurzynske & Associates
CONSULTING ENGINEERS
2800 Lebanon Pike
Suite 201
Nashville, Tennessee 37214

NOT FOR CONSTRUCTION

11-28-18

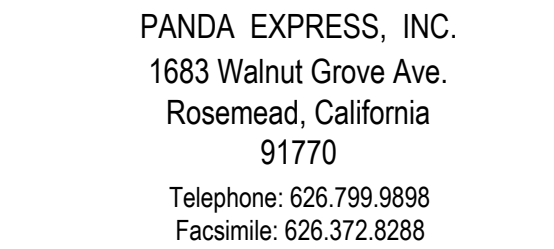
PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

M-500

KITCHEN HOOD DETAILS

						<div>GREASE DUCT SHALL BE FULLY WRAPPED OVER CURB PER DETAIL BELOW FOR EF-1 & EF-2.</div> <div></div>	
						<div>DUCT WRAP OVER CURB DETAIL</div> <div>4</div>	
						Scale: NO SCALE	



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REVISIONS:

[illegible]

ISSUE DATE:

1st	ISSUE FOR COORDINATION	11-28-

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559
ARCH PROJECT #: 1805

Project No.
PE1805



**Kurzynske
& Associates**
CONSULTING ENGINEERS

**2900 Lebanon Pike
Suite 201
Nashville, Tennessee 37214**

11-28-18

PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37211

2200 TRUE R1 (DAB 013)

M-502

COMPLIANCE REPORT



Energy Code:	2012 IECC
Project Title:	Panda Express
Location:	Nashville, Tennessee
Climate Zone:	4a
Project Type:	New Construction

Construction Site: 2740 Elm Hill Pike Elm Hill Pike at Donelson Pike Nashville, TN 37214	Owner/Agent: Panda Restaurant Group Inc. 1682 Walnut Grove Avenue Rosemead, CA 91770, CA 91770 626-733-9898	Designer/Contractor: Kurzynski & Associates 2900 Lebanon Pike Suite 201 Nashville, TN 37214 615-255-5203
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Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

[illegible]

1 RTU-1 (Single Zone):
 Heating 1 each - Central Furnace, Gas Capacity = 108 kBtu/h
 Proposed Efficiency = 80.00% EL Required Efficiency: 80.00 % E! (or 78% AFUE)
 Cooling 1 each - Single Package DX Unit, Capacity = 57 MBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 15.50 SEER, Required Efficiency: 13.00 SEER
 Fan System: None

1 RTU-2 (Single Zone):
 Heating 1 each - Central Furnace, Gas Capacity = 180 kBtu/h
 Proposed Efficiency = 80.00% EL Required Efficiency: 80.00 % E! (or 78% AFUE)
 Cooling 1 each - Single Package DX Unit, Capacity = 101 MBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 12.00 EER, Required Efficiency: 11.00 EER = 11.2 IEER
 Fan System: None

1 RTU-3 (Single Zone):
 Heating 1 each - Central Furnace, Gas Capacity = 180 kBtu/h
 Proposed Efficiency = 80.00% EL Required Efficiency: 80.00 % E! (or 78% AFUE)
 Cooling 1 each - Single Package DX Unit, Capacity = 111 MBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 12.00 EER, Required Efficiency: 11.00 EER = 11.2 IEER
 Fan System: None

1 Makeup Air Unit (MUA-1) (Single Zone):
 Heating 1 each - Central Furnace, Gas Capacity = 400 kBtu/h
 Proposed Efficiency = 92.00% EL Required Efficiency: 80.00 % E!
 Cooling 1 each - Split System, Capacity = 120 kBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 12.00 EER, Required Efficiency: 11.00 EER = 11.2 IEER
 Fan System: None

1 Water Heater:
 Gas Storage Water Heater, Capacity: 60 gallons, Input: 120 kBtu/h w Circulation Pump
 Proposed Efficiency: 95.00 % E! Required Efficiency: 90.00 % E!

Project Title: Panda Express Report date: 11/28/18
Data filename: F:\Prototypes\Panda Express\2018 Panda Express\PE1805 - Nashville, TN\PE1805 - COMCheck.c Page 1 of 11



Energy Code:	2012 IECC
Project Title:	Panda Express
Location:	Nashville, Tennessee
Climate Zone:	4a
Project Type:	New Construction
Vertical Glazing / Wall Area:	12%

Construction Site: 2740 Elm Hill Pike Elm Hill Pike at Donelson Pike Nashville, TN 37214	Owner/Agent: Panda Restaurant Group Inc. 1682 Walnut Grove Avenue Rosemead, CA 91770, CA 91770 626-733-9898	Designer/Contractor: Kurzynske & Associates 2900 Lebanon Pike Suite 201 Nashville, TN 37214
---	---	---

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Floor Area

1-Dining: cafeteria/fast food : Nonresidential	2216
--	------

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
Roof: Insulation Entirely Above Deck. High Albedo Roof Required.	2216	—	30.0	0.032	0.039
Roof: Usg. Usg. 1-Dining: cafeteria/fast food	200	—	—	0.730	0.540
Slab: Slab-On-Grade-Unheated, [Bldg. Usg. 1-Dining: cafeteria/fast food] (c)					
NORTH					
Right Wall (Back Door): Wood-Framed, 16" o.c., [Bldg. Usg. 1-Dining: cafeteria/fast food]	680	19.0	6.6	0.045	0.064
Rear Door: Insulated Metal, Swinging, [Bldg. Usg. 1-Dining: cafeteria/fast food]	25	—	—	0.560	0.610
EAST					
Front Wall (Storefront): Wood-Framed, 16" o.c., [Bldg. Usg. 1-Dining: cafeteria/fast food]	1020	19.0	6.6	0.045	0.064
Storefront Door: Glass (> 50% glazing) Metal Frame, Entrance Door, Perf. Specs.: Product ID Solarban Low E, SHGC 0.39, PF 0.15, [Bldg. Usg. 1-Dining: cafeteria/fast food] (b)	21	—	—	0.250	0.770
Storefront Door Sidelites & Transom: Metal Frame/Fixed, Perf. Specs.: Product ID Solarban Low E, SHGC 0.39, PF 0.15, [Bldg. Usg. 1-Dining: cafeteria/fast food] (b)	27	—	—	0.250	0.380
Storefront Side Bay Windows: Metal Frame/Fixed, Perf. Specs.: Product ID Solarban Low E, SHGC 0.39, PF 0.15, [Bldg. Usg. 1-Dining: cafeteria/fast food] (b)	155	—	—	0.250	0.380
Storefront Side Door: Glass (> 50% glazing) Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Solarban Low E, SHGC 0.39, PF 0.15, [Bldg. Usg. 1-Dining: cafeteria/fast food] (b)	25	—	—	0.250	0.770

Project Title: Panda Express Report date: 11/28/18
Data filename: F:\Prototypes\Panda Express\2018 Panda Express\PE1805 - Nashville, TN\PE1805 - COMCheck.t Page 1 of 9

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.1.0.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Panda Express Report date: 11/28/18
Data filename: F:\Prototypes\Panda Express\2018 Panda Express\PE1805 - Nashville, TN\PE1805 - COMCheck.c Page 2 of 11

Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
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Storefront Side Sidelites & Transom Side Door: Metal Frame/Foam: Perf. Specs: Product ID Solarban Low E, SHGC 0.39, PF 0.15. (Bldg. Use 1 - Dining: cafeteria/restaurant food) (b)	24	---	---	0.250	0.380
SOUTH					
Left Wall (Patio Wall): Wood-Framed, 16" o.c. (Bldg. Use 1 - Dining: cafeteria/restaurant food)	680	19.0	6.6	0.045	0.064
Side Bay Windows: Metal Frame/Foam, Perf. Specs: Product ID Solarban Low E, SHGC 0.39, PF 0.51. (Bldg. Use 1 - Dining: cafeteria/restaurant food) (b)	140	---	---	0.250	0.380
WEST					
Back Wall (DT Side): Wood-Framed, 16" o.c. (Bldg. Use 1 - Dining: cafeteria/restaurant food)	1020	19.0	6.6	0.045	0.064
Drive-Thru Window: Metal Frame/Operable, Perf. Specs: Product ID Solarban Low E, SHGC 0.39, PF 0.43. (Bldg. Use 1 - Dining: cafeteria/restaurant food)	32	---	---	0.250	0.450

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope Compliance Statement

specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.1.0.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Panda Express Report date: 11/28/18
Data filename: F:\Prototypes\Panda Express\2018 Panda Express\PE1805 - Nashville, TN\PE1805 - COMCheck.c Page 2 of 9

MECHANICAL COMPLIANCE REPORT	1
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No Scale | M-502

ENVELOPE COMPLIANCE REPORT 2

No Scale | M-502

LIGHTING FIXTURE SCHEDULE			PROVIDED FOR INFORMATION ONLY. VERIFY AND INSTALL PER ELECTRICAL DRAWING				02-13.1
ITEM	SYMBOL	DESCRIPTION	QTY.	WATTS	VOLTS	MFR. & CAT. NO.	REMARK
INTERIOR LIGHTING ITEM							
L1		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH	7	50	120	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	FURNISHED BY OWNER INSTALLED BY GC
L1B		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V BAKED-ON WHITE ENAMEL FINISH	1	30	120	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	FURNISHED BY OWNER INSTALLED BY GC
L1EM		T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH	3	45	120	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	FURNISHED BY OWNER INSTALLED BY GC
L4HO		UNIVERSAL MOUNT LED EXIT SIGN WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	3	120	EXITRONIX FIXTURE: GVEX-U-BP-WB-BL-R6	FURNISHED BY OWNER, INSTALLED BY GC
L6A		HOOD LIGHT	12	---	---	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELEC. CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL
L6B		WALK-IN COOLER FLUORESCENT LIGHT, 48"	2	---	120	KASON FIXTURE: 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E., INSTALLED BY GC
L19		DOWN LIGHT, RECESSED IN CEILING	44	14	120	ELITE HOUSING: LD6IC-AT LED MODULE: RL607-750L-DIMTR-120-30K-FL-SN-SN	FURNISHED BY OWNER, INSTALLED BY GC
L19EM		EMERGENCY DOWN LIGHT, RECESSED IN CEILING	4	14	120	ELITE HOUSING: LD6IC-AT LED MODULE: RL607-750L-DIMTR-120-30K-FL-SN-SN	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON FURNISHED BY OWNER INSTALLED BY GC
L20		3-3/4" APERTURE ADJUSTABLE ELBOW LYTECASTER RECESSED DOWNLIGHT	15	6	120	LIGHTOLIER FRAME IN KIT: 302MRSPX REFLECTOR TRIM: 378WHX BULB: LED5.5DMR1683035	FURNISHED BY OWNER, INSTALLED BY GC
L26		DECORATIVE PENDANT LIGHT	8	4	120	BENTWOOD PENDANTS: (2) A_CIRCLE (2) B_ONION (2) C_OBLONG (2) D_BARREL BULB: LED EDISON LAMP .1173467	FURNISHED BY OWNER, INSTALLED BY GC. REFER TO RCP FOR HEIGHT.
L30		WHITE LED MODULES MOUNTED IN SOFFIT	16 L.F. 33 L.F.	28/56	120	ZLED LIGHTING FIXTURE: MOD-R-5050-WW	FURNISHED BY OWNER, INSTALLED BY GC
L35		9.8" DIA. DECORATIVE ISLA PENDANT	4	4	120	LBL LIGHTING FIXTURE: L1512CRSC BULB: LED EDISON LAMP .1173467	FURNISHED BY OWNER, INSTALLED BY GC. REFER TO RCP FOR HEIGHT.
L100		110 WATT MINI INVERTER RATED FOR 90 MIN.	1	24	120	EELP FIXTURE: PS-110-HP-S	FURNISHED BY OWNER, INSTALLED BY GC
NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCED CIRCUIT.							
1. ONE NL BY SERVICE COUNTER, POS / CASHIER							
2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE							
3. ONE NL BY EACH EXIT DOOR IN DINING ROOM & BACK OF HOUSE							
4. ONE NL BY MANAGER STATION							
EXTERIOR LIGHTING							
L85A		WALL SCONCE MOUNTED OVER SERVICE DOOR	1	21	120	HOWARD LIGHTING FIXTURE: VL20	FURNISHED BY OWNER, INSTALLED BY GC, REFER TO ARCHITECTURAL ELEVATION
L86		REMOTE LED EMERGENCY EGRESS LIGHT	2	1.5	120	EXITRONIX MLED1-G-WP	10'-0" AFF, FURNISHED BY OWNER, INSTALLED BY GC
L86A		RECESSED EMERGENCY LIGHT UNDER RED ENTRANCE PORTAL	1	14	120	ELITE HOUSING: LD6IC-AT LED MODULE: RL607-750L-DIMTR-120-30K-FL-SN-SN	NORMALLY ON, FURNISHED BY OWNER INSTALLED BY GC
L90		EXTERIOR WALL SCONCE	2	6	120	HINKLEY LIGHTING ATLANTS: 1649BZ-LED 6W LED REPLACEMENT	FURNISHED BY OWNER, INSTALLED BY GC
L40		LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	57.3	120	COOPER MX-4VT2-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC

EQUIPMENT SCHEDULE

PLUMBING										ELECTRICAL					DESCRIPTION									
FS INDIRECT CONNECTION TO FLOOR SINK										D DIRECT CONNECTION					O OWNER(PANDA EXPRESS, INC.)					S SERVING AREA				
D DIRECT CONNECTION										C CONVENIENT OUTLET					GC GENERAL CONTRACTOR					K KITCHEN				
RIH ROUGH IN HEIGHT (TO CENTER OF CONNECTION)										FSO FLOOR STUB OUT					EC ELECTRICAL CONTRACTOR					(E) EXISTING				
										DC DROPPED CORD					KEC KITCHEN EQUIPMENT COMPANY									
SUPPLY BY	GAS			WASTE		COLD WATER		HOT WATER		CONNECTION		LOAD	PHASE	H.P.	VOLTS	REMARKS	DIMENSIONS	MANUFACTURE	MODEL #	EQUIPMENT	NO.			
	K BTU	R.I.H.	SIZE	TYPE	SIZE	R.I.H.	SIZE	R.I.H.	SIZE	R.I.H.	TYPE	WATT					W x D x H (ø x H)							
SERVING AREA EQUIPMENT																								
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER, SERVICE	1B			
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	SNEEZE GUARD	1S2			
O											D	475W	1		120	3 HEATING ELEMENTS	42.375" X 4.25" X 2.375"	GENERAL		43" RADIANT TOP HEATER	1S2B1			
O											D	625W	1		120	4 HEATING ELEMENTS	35.375" X 4.25" X 2.625"	GENERAL		56" RADIANT TOP HEATER (2)	1S2B2			
O											D	475W	1		120	3 HEATING ELEMENTS	42.1/8"x4.25"x2.5/8"	GENERAL		43" RADIANT TOP HEATER (2)	1S2S1d			
O											D	15A	1		120	SEE DETAIL	SEE PLAN	KEC	CUSTOM	CASHER & BEVERAGE COUNTER	2C			
O											C	650W	1		120	INDUCTION WARMER	15 3/4" DIA	I/O CONTROLS CORP	ABC-065-14	INDUCTION WELL - 17QT	3J			
O											C	650W	1		120	INDUCTION WARMER	12 1/8" DIA	I/O CONTROLS CORP	ABC-065-10	INDUCTION WELL - 11QT	3K			
O											C	250W	1		120		11 7/8" DIA. X 16"	VOLLRATH	74701DW	SOUP WARMER	3T			
O											C	9.3A	1		120	W/LID DISPENSER	30"x30"x35"	CORNELIUS	IDC-255	BEVERAGE DISPENSER	4AB			
O											C	7.2A	1		120	ON S/S SHELF	15"x11"x16"	CORNELIUS		BOOSTER	4B			
O																	40"x18"	CORNELIUS		SODA RACK	4C			
O																	ø26"	CHART	CARBO-MAX 750	CO2 TANK	4D			
O																	8"x2 3/8"x23 5/8"	SM WATER FILTRATION	BEV190-56164-01	WATER FILTER	4F			
O																	34"x17"x6 1/2"	KEC		36" COLD PAN	5C			
O																	SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER - DRIVE THRU	6F			
O																	SEE PLAN	KEC	CUSTOM	CASHER & BEVERAGE COUNTER, OT	9B			
O																	SEE PLAN	KEC	CUSTOM					
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LIGHTING FIXTURE SCHEDULE		2
	NOT TO SCALE	E-001

EQUIPMENT SCHEDULE		1
NOT TO SCALE		E-001



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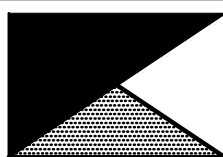
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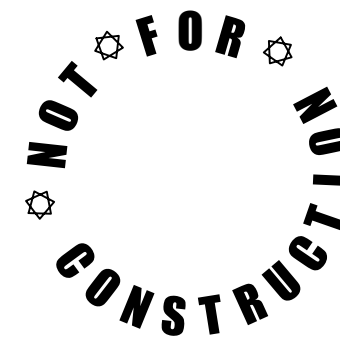
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PANDA PROJECT #: S8-19-D6559
ARCH PROJECT #: 1805

Project PE1805



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11-30-18

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E-001

ELECTRICAL SCHEDULES



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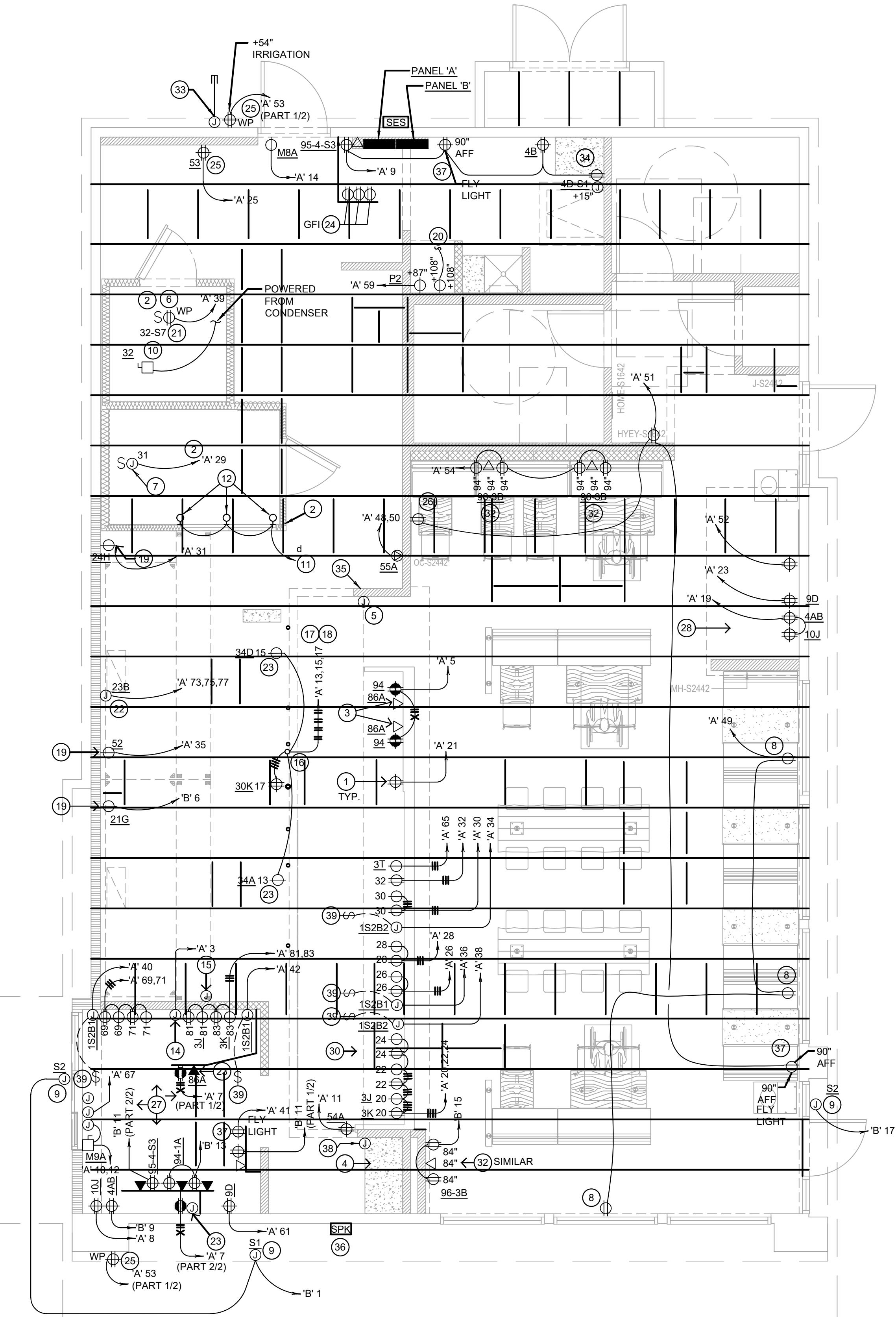
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E-100

POWER FLOOR PLAN

NO UNDER SLAB ELECTRICAL WORK ALLOWED UNLESS OTHERWISE NOTED ON PLAN.



ALL 120 VOLT, 20 AMP RECEPTACLES LOCATED UNDER COUNTERS WITHIN SERVING AREA 101, DRIVE-THRU 102, AND KITCHEN 103 TO BE SERVED FROM GFCI-TYPE CIRCUIT BREAKERS PER NEC 210.8 (B) (2).

- ALL CIRCUITRY/CONDUIT FOR FRONT LINE EQUIPMENT TO BE ROUTED IN CASEWORK TO J-BOX IN WALL AND CONCEAL IN WALL.
- PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING / LEAVING AREA OF TEMPERATURE DIFFERENCE.
- PROVIDE (2) 1-1/2" CONDUITS WITH PULL STRINGS FROM CASH REGISTER TO MANAGER STATION. SEE P.O.S. AND SERVICE LINE ELEVATIONS, SHEET 3/E-200.
- SEE 'MANAGER STATION ELEVATION' 1 / E-200 FOR ADDITIONAL OUTLETS AND J-BOXES.
- ANSUL PULL STATION. REFER TO DETAIL, SHEET 2 / E-400.
- REFER TO 'LTG AND DOOR HEATER' WIRING DIAGRAM, SHEET 10 / E-400.
- REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 8 / E-400.
- SHOW WINDOW RECEPTACLE SHALL BE CONTROLLED VIA SWITCH "C". REFER TO LIGHTING SWITCHBANK SCHEDULE, SHEET 4/E101. RECEPTACLE SHALL BE MOUNTED IN WALL AS CLOSE TO TOP OF STRUCTURAL HEADER AS POSSIBLE.
- W.P. J-BOX FOR SIGNAGE. COORDINATE LOCATION WITH ARCHITECT / OWNER / SIGN PACKAGE. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR.
- REFER TO 'FREEZER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 9 / E-400. CONNECTION FOR HEAT TRACE TAPE INCLUDED IN FREEZER EVAPORATOR COIL. HEAT TAPE PROVIDED AND INSTALLED BY ELECTRICIAN.
- ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCH AS NOTED IN LOWER CASE). REFER TO SCHEDULE, SHEET 4/E-101, FOR MORE INFORMATION.
- CONNECT TO VEGETABLE DISPLAY LIGHTING PROVIDED WITH WALK-IN COOLER.
- WATER HEATER: FEED RECEPTACLE WITH 2 #8, #10 GROUND, 3/4" CONDUIT. FURNISH AND INSTALL RECEPTACLE AND CORD AND PLUG. COORDINATE THE EXACT CONFIGURATION WITH THE WATER HEATER SUPPLIER.
- HOOD CONTROL PANEL/ANSUL SYSTEM CABINET. MOUNT CABINET DIRECTLY BELOW T-BAR CEILING.
- PROVIDE 2-GANG J-BOX @ 48" AFF FOR HOOD CONTROL SWITCHES. REFER TO M-400 AND M-401.
- CONDUIT STUB UP LOCATION IN STAINLESS STEEL POWER PANEL FOR ISLAND KITCHEN EQUIPMENT CONNECTION. REFER TO DETAIL 2/A-109. COORDINATE LOCATION WITH ARCHITECT / OWNER.
- ROUTE CABLING / CIRCUITRY THROUGH CONDUIT IN SLAB (KEYED NOTE #16).
- UTILIZE SEAL TIGHT CONDUIT FOR ALL WIRING INCLUDED ALONG LOW WALL PANEL.
- ALL DEVICES UNDER HOOD TO BE PROVIDED AND INSTALLED WITH SHUNT TRIP CIRCUIT BREAKER AND WATERPROOFING BOX (RED DOT #CKSUV). REFER TO COOKLINE ELECTRICAL ELEVATIONS, SHEET 6/E-200.
- OUTLET TO BE CONNECTED TO BACK-OF-HOUSE LIGHTING CIRCUITRY/CONTROL. CONTRACTOR TO PROVIDE CORDSET FOR RECIRC PUMP.
- PROVIDE WEATHERPROOF RECEPTACLE FOR HEAT TAPE. COORDINATE FINAL LOCATION WITH REFRIGERATION INSTALLER.
- ELECTRIC GRILL '23B': FEED WITH 3 #8, #10 GROUND, 3/4" CONDUIT. REFER TO DETAIL, SHEET 4 / E-200.
- SEE DRIVE THRU ELEVATION 2/E-200 FOR CONDUIT SIZES AND CONFIGURATIONS.
- FURNISH AND INSTALL (2) HUBBELL GFSTBF20 FACELESS GFCI (OR EQUIVALENT) (1) FOR EACH CIRCUIT FEEDING EQUIPMENT BENEATH THE KITCHEN HOOD WHICH UTILIZES SIMPLEX 120V RECEPTACLES KITCHEN HOOD. INSTALL IN AN ACCESSIBLE LOCATION IN THIS GENERAL AREA, OR AS DIRECTED BY THE OWNER, ARCHITECT OR ENGINEER. PROVIDE ADDITIONAL OUTLETS AS REQUIRED TO FEED ALL SUCH LOADS BENEATH HOOD. FASTEN A PLASTIC LABEL STATING CIRCUIT AND EQUIPMENT SERVED FOR EACH OUTLET.
- PROVIDE WP. IN-USE RED DOT (#CKSUV).
- CONTRACTOR TO ENSURE THAT ELECTRICAL OUTLET SHOWN FALLS BENEATH TABLE TOP. REFER TO ARCHITECTURAL FURNITURE PLAN FOR EXACT LOCATION.
- SEE FOR DRIVE-THRU ELEVATIONS, 2/E-200.
- SEE DRINK STATION ELEVATIONS, SHEET 5/E-200.
- NOT USED.
- SEE 3/E-200 FOR SERVICE LINE ELEVATIONS.
- NOT USED.
- SEE DINING ROOM MONITOR ELEVATION, SHEET 8/E-200.
- PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRING FROM CLOSEST LANDSCAPE AREA, THROUGH WALL UP TO EMPTY FLUSH MOUNTED JUNCTION BOX @ 54" A.F.F. (FOR IRRIGATION CONTROLS), CLOSE OFF CONDUIT IN LANDSCAPE AREA WITH REMOVABLE CAP. UTILIZE CIRCUIT 'B'-7.
- REFER TO SHEET 9/E-200 FOR INSTALLATION OF CO2 MONITOR.
- SEE SWITCH BANK ELEVATION, SHEET 7/E-200.
- OUTDOOR SPEAKER TO BE MOUNTED ON THE SIDE OF CANOPY. FIELD COORDINATED LOCATION WITH PROJECT MANAGER. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT WITH PULL STRING WIRES IN 3/4" CONDUIT IN EXTERIOR WALL CAVITY, UP TO ABOVE ADJACENT CEILING. CONTRACTOR TO COORDINATE WITH OWNER FOR EXACT LOCATION OF CONDUIT ANY FURTHER CLARIFICATION AND INCLUDE ALL ASSOCIATED COSTS IN THE BID. FINAL LOCATION OF SPEAKER TO BE ON CANOPY CLOSEST TO PATIO SEATING. COORDINATE WITH PANDA PROJECT MANAGER.
- FLY LIGHT RECEPTACLE SHALL BE INSTALLED WITH A RECESSED CLOCK OUTLET. TYP OF 3 LOCATIONS.
- SEE SECURITY KEY PAD ELEVATION 1/E200.
- CONNECT HEAT LAMPS TO COUNTER-MOUNTED SWITCH PROVIDED AND INSTALLED BY CONTRACTOR. REFER TO PLAN FOR LOCATIONS AND QUANTITIES.

- VERIFY ALL HVAC & KITCHEN EQUIPMENT PRIOR TO ROUGH IN.
- ALL TELEPHONE/DATA/TV CABLES AND WIRES, AND TERMINATES ALL REQUIRED CABLE AND JACKS WILL BE INSTALLED BY THIRD PARTY.
- POWER SUPPLY FOR COMPUTER, CASH REGISTER (81, & 86, OR 87A, & 81) SHALL BE ON THE SAME CIRCUIT BREAKER, W/ISOLATED GROUND & ORANGE RECEPTACLE.
- ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- ALL MULTI-WIRE BRANCH CIRCUITS SHALL HAVE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES TO MEET THE REQUIREMENTS OF 2014 NEC 210.4(B).
- TRANSFORMERS SHALL BE MOUNTED ABOVE CEILING BELOW TRUSSES WITH LOW VOLTAGE WIRING FEEDING TO ALL EXTERIOR LIGHTS.

POWER PLAN GENERAL NOTES		2	⊕	POWER PLAN KEYED NOTES		3	POWER FLOOR PLAN		1
	NOT TO SCALE	E-100			NOT TO SCALE	E-100		Scale: 1/4"=1'-0"	E-100



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PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.
PE1805
Kurzynske & Associates
CONSULTING ENGINEERS
2900 Lebanon Pike
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E-101
LIGHTING FLOOR PLAN

1. ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS WITH 20% OR LESS THD.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARES, BRACKETS, ETC. FOR A COMPLETE INSTALLATION.
3. ALL LIGHTING FIXTURES SHALL BE SUPPORTED PER N.E.C. 410-16(C). SEE DETAIL, SHEET 4 / E-4.00.
4. CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES INCLUDING OWNER-FURNISHED FIXTURES.
5. ALL FIXTURE BALLASTS SHALL BE U.L. LISTED.
6. G.C. SHALL INSTALL OWNER SUPPLIED LED & CUT TO PROPER LENGTH
7. ALL MULTI-WIRE BRANCH CIRCUITS SHALL HAVE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES TO MEET THE REQUIREMENTS OF 2014 NEC 210.4(B).
8. ALL FLUORESCENT FIXTURES SHALL HAVE INTEGRAL DISCONNECTING MEANS PER 2005 NEC 410.73(G) and 2008 NEC 410.130(G)(1).
9. ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
10. 'N.L.' DESIGNATION INDICATES NIGHT LIGHT ON UNSWITCHED CIRCUIT.
11. CONTRACTOR TO ENSURE THAT LEFT OVER DISTANCE FOR EXTERIOR FIXTURES SHALL BE EQUAL ON BOTH SIDES, AND SHALL NOT TO HAVE ANY GAP BETWEEN THE LIGHTING FIXTURE

LIGHTING GENERAL NOTES 2

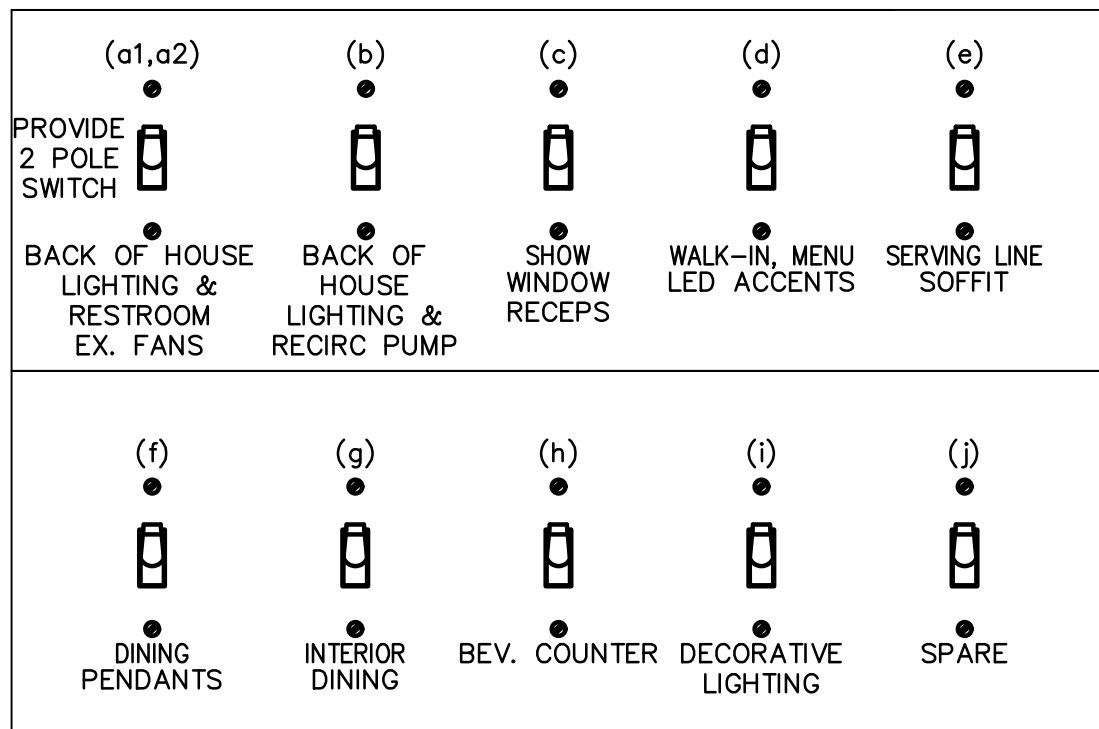
NOT TO SCALE E-101

1. SWITCHBANK 'A'. REFER TO SCHEDULE THIS SHEET (4/ E-101).
2. ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A,B' (SWITCHES AS NOTED IN LOWER CASE). REFER TO SCHEDULE (4 / E-101) FOR MORE INFORMATION.
3. ROUTE THROUGH CONTACTS IN HOOD CONTROL PANEL 'M4' FOR CIRCUIT POWER. REFER TO DETAILS, SHEETS 3 / E-401.
4. PROVIDE SEPARATE UNSWITCHED HOT CONDUCTOR (SAME CIRCUIT, NOT CONTROLLED BY SWITCH IN SWITCHBANK) TO LOCALLY SWITCHED FIXTURES AND EMERGENCY FIXTURE BATTERY TRIGGER LEADS.
5. DUPLEX RECEPTACLE AT SOFFIT FOR LED ROPE. INSTALL ON BACK OF BULKHEAD ABOVE CEILING. REFER TO DETAILS, SHEET A-402 FOR MORE INFORMATION.
6. WALK-IN COOLER LIGHT FIXTURES AND PILOT LIGHT SWITCH PROVIDED WITH COOLER. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 8 / E-400.
7. WALK-IN FREEZER LIGHT FIXTURE AND PILOT LIGHT SWITCH PROVIDED WITH FREEZER. REFER TO 'FREEZER LTG AND DOOR HEATER WIRING DIAGRAM', SHEET 10 / E-400.
8. EXHAUST FAN SHALL BE TIED INTO BACK OF HOUSE LIGHTING CIRCUIT AND SWITCH CONTROL.
9. FIXTURES THIS ROOM SHALL BE LOCALLY SWITCHED.
10. LIGHTING INVERTER TO BE MOUNTED ABOVE THE ELECTRICAL PANELS, NEXT TO CEILING.
11. LED TRANSFORMER LOCATION, MOUNT ABOVE CEILING.

LIGHTING KEYED NOTES 3

NOT TO SCALE E-101

NOTE:
CONTRACTOR TO INSTALL (2) 5 GANG SWITCH BOXES AS SHOWN BELOW. DO NOT INSTALL SEPERATE/INDIVIDUAL BOXES FOR EACH SWITCH

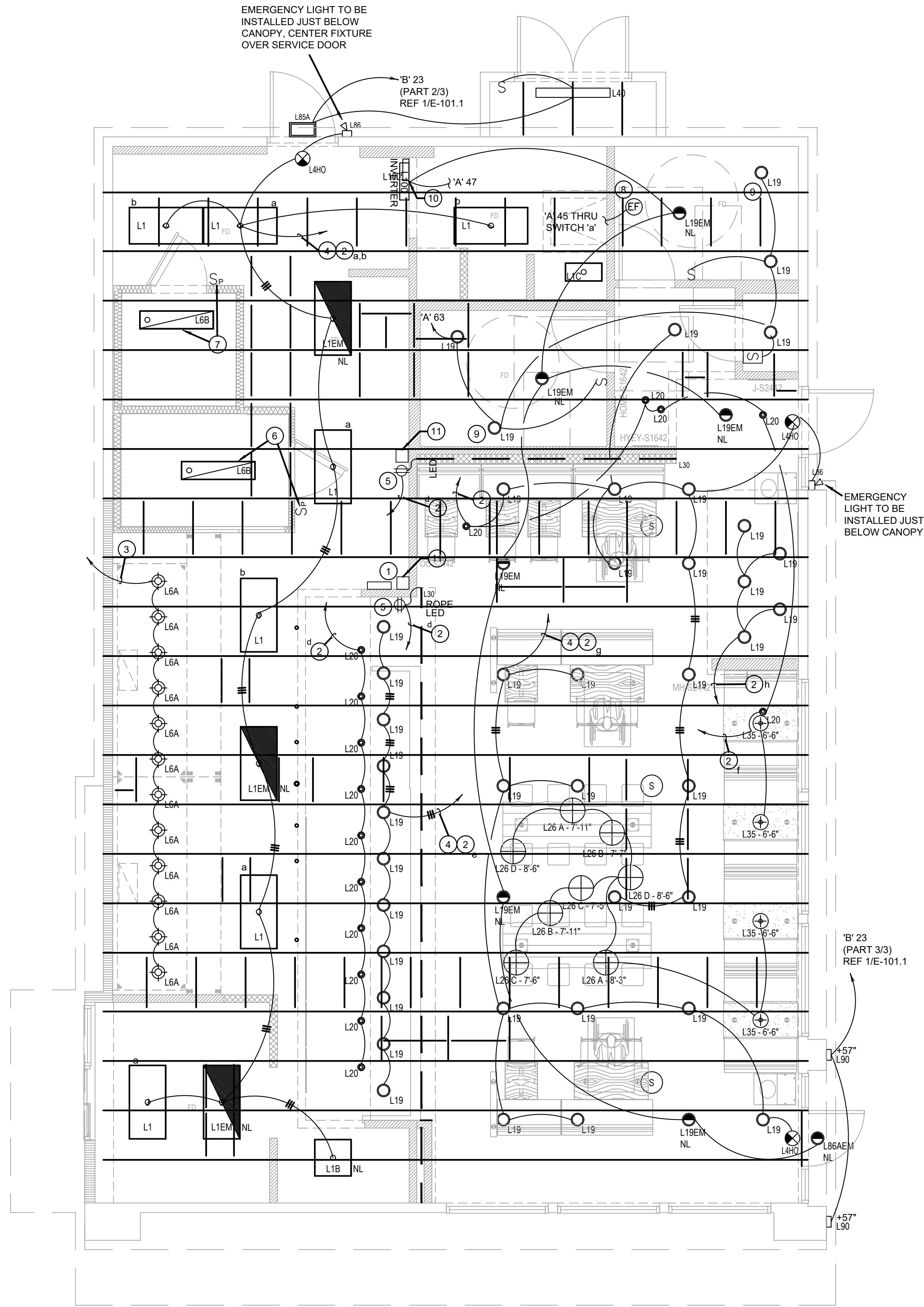


SWITCHBANK SCHEDULE 'A'

TAG	SWITCH TYPE	AREA SERVED / SWITCH LABEL	CIRCUIT	LOAD
a1	TOGGLE SWITCH	BACK-OF-HOUSE	'A' 45	823 VA
a2		RR FAN	'A' 63	576 VA
b	TOGGLE SWITCH	BACK-OF-HOUSE	'A' 45	823 VA
c	TOGGLE SWITCH	SHOW WINDOW RECEP	'A' 49	540 VA
d	TOGGLE SWITCH	WALK-INS, MENU, LED ACCENTS	'A' 1	614 VA
e	TOGGLE SWITCH	SERVING LINE SOFFIT	'A' 47	154 VA
f	TOGGLE SWITCH	DINING PENDANTS	'A' 47	423 VA
g	TOGGLE SWITCH	INTERIOR DINING	'A' 47	530 VA
h	TOGGLE SWITCH	BEVERAGE COUNTER	'A' 47	70 VA
i	TOGGLE SWITCH	DECORATIVE LIGHTING	'A' 47	250 VA
j	SPARE			

LIGHTING SWITCHBANK SCHEDULE 4

NOT TO SCALE E-101



LIGHTING FLOOR PLAN 1

Scale: 1/4"=1'-0" E-101



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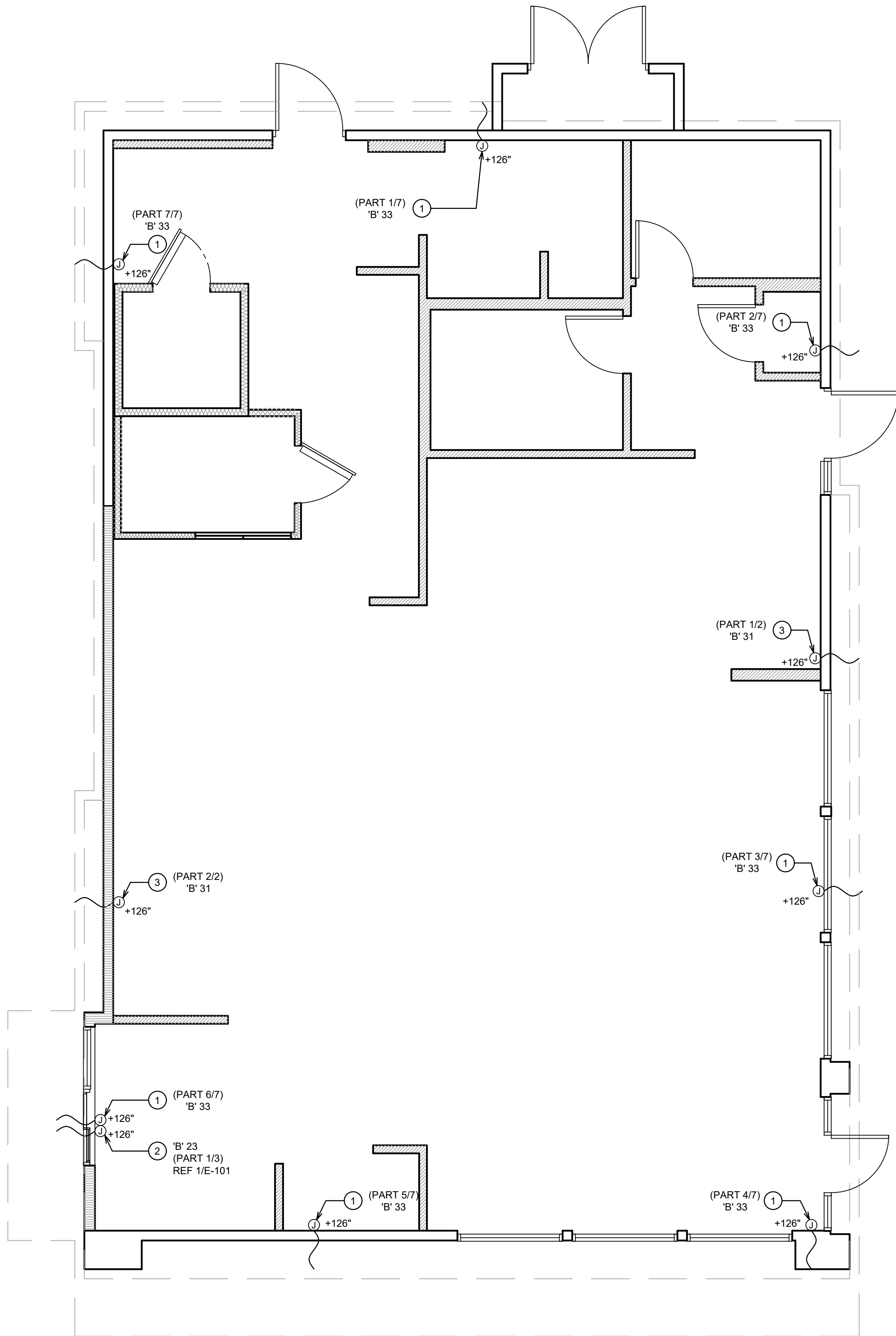
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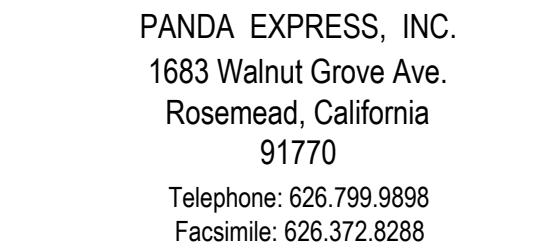
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E-101.1
CANOPY LIGHTING PLAN



- E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED CANOPY. E.C. TO MAKE FINAL CONNECTION.
- E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED DRIVE THRU CANOPY. E.C. TO MAKE FINAL CONNECTION.
- EXTERIOR FIN LIGHTING. FIELD VERIFY EXACT LOCATION WITH AWNING MANUFACTURER. CONTRACTOR SHALL PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION OF 12 VOLT TRANSFORMER(S) TO FIXTURE. FIELD COORDINATE LOCATION OF TRANSFORMER. PROVIDE TRANSFORMER ENCLOSURE IF NOT SUPPLIED. COORDINATE ANY ADDITIONAL REQUIREMENTS PRIOR TO CONSTRUCTION. INCLUDE ALL ASSOCIATED COST IN BID.



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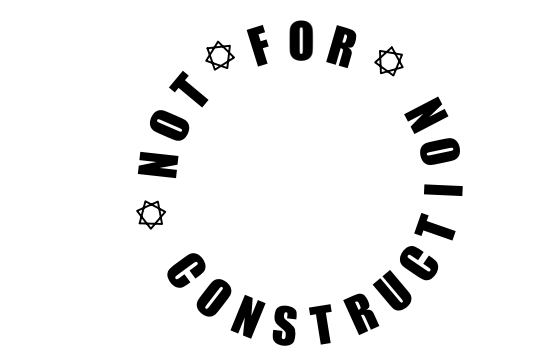
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E-103

COMPLIANCE REPORT

COMcheck Software Version 4.0.8.1

Interior Lighting Compliance Certificate

Project Information

Energy Code:

2012 IECC

Project Title:

Panda Express

Project Type:

New Construction

Construction Site:

Owner/Agent:
Panda Restaurant Group Inc.
Elin Hill Pike at Donelson Pike
Nashville, TN 37214

2740 Elm Hill Pike
1682 Walnut Grove Avenue
Rosemead, CA
91770
626-733-9898

Designer/Contractor:
Kurzynske & Associates
2900 Lebanon Pike
Suite 201
Nashville, TN 37214
615-255-5203

Additional Efficiency Package(s)
Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Dining: cafeteria/fast food	2216	0.90	1994
Total Allowed Watts =			1994

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Dining: cafeteria/fast food				
LED, L1: Kitchen Troffer: Other:	1	7	45	315
LED, L1B: Kitchen Troffer: Other:	1	1	30	30
LED, L1E: Kitchen Troffer: Other:	1	3	45	135
LED, L2: Kitchen Troffer: Other:	1	1	36	36
LED, L19: Downlight: Other:	1	44	14	616
LED, L19E: EM Downlight: Other:	1	4	14	56
LED, L20: Downlight: LED MR 6W:	1	15	6	90
LED, L26: Pendant: Other:	1	8	4	32
LED, L30: Strip LED 16': Other:	1	1	28	28
LED, L30: Strip LED 33": Other:	1	1	56	56
LED, L35: Pendant: Other:	1	4	4	16
LED, L40: LED Strip Light: Other:	1	1	24	24
Total Proposed Watts =			1434	

Interior Lighting PASSES: Design 28% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.0.8.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Panda Express

Data filename: F:\Prototypes\Panda Express\2018 Panda Express\PE1805 - Nashville, TN\PE1805 - Electrical COMCheck.cck

Report date: 11/28/18

Page 1 of 10

Name - Title

Signature

Date

Project Title: Panda Express

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Report date: 11/28/18

Page 2 of 10

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- ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
- ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 30° C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT ARE LIMITED TO 5'-0" FOR DIRECT SOLAR EXPOSURE.
- NOT USED.
- VERIFY ALL FUSE SIZES AND TYPES WITH THE AIR CONDITIONING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
- REVIEW THE MECHANICAL PLANS FOR THE AIR CONDITIONING CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
- VERIFY CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD. SMOKE DETECTOR AS REQUIRED BY MECHANICAL DRAWING M-100.
- SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL DRAWING M-100.
- G.C. COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIRED) FOR INTERLOCK SEQUENCE.
- NOT USED.

ROOF PLAN GENERAL NOTES 2

NOT TO SCALE E-104

- ROUTE HOMERUN THROUGH BACK OF HOUSE LIGHTING CIRCUIT. REFER TO LIGHTING PLAN, SHEET 1 / E-101. FAN TO BE CONTROLLED BY SWITCH FOR BACK OF HOUSE LIGHTING.
- DUCT SMOKE DETECTOR, FURNISHED BY MECHANICAL/FACTORY. WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR. FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
- CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3 / E-401 & KITCHEN HOOD SUBMITTAL DATA.
- REFER TO CONDENSING UNIT WIRING DIAGRAM, SHEET 7 / E-400.
- STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2 / E-401.
- PROVIDE AND INSTALL 2-1/2" DIA GALVANIZED RIGID METAL CONDUIT AND WEATHERHEAD AS SHOWN. CONDUIT TO BE STRAPPED TO CLOSEST JOIST TO THE MANAGER'S STATION (FULL DEPTH). SEE DETAIL 2/A-108.
- DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN FOR THIS FAN. REFER TO SHEET M-402.
- MOUNT PHOTOCELL AS DETAILED ON SHEET 11-E400 ON CONDENSER RACK.
- STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON HINGE SIDE OF EXHAUST FANS, IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.
- FEED THROUGH FACTORY THRU BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
- UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF / AS REQUIRED.

ROOF PLAN KEYED NOTES 3

NOT TO SCALE E-104

ROOFTOP EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	KW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
AC-1	A/C UNIT (5 TON)			32.0	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
AC-2	A/C UNIT (10 TON)			57.0	208V.3Ø	3 #4, #8 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
AC-3	A/C UNIT (10 TON)			57.0	208V.3Ø	3 #4, #8 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
CU-1	CONDENSING UNIT			40.6	208V.3Ø	3 #4, #8 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1)
MA-1	MAKE-UP AIR UNIT		5.0	15.0	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1) (4)
EF-1	EXHAUST FAN		2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1)
EF-2	EXHAUST FAN		2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1)
EF-3	EXHAUST FAN		1/4	4.8	120V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A. 2P. 1F. WP (1) (4)
31-S	W/I COOLER COND.		1.5	15.0	208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	(2) (3)
32-S1	W/I FREEZER COND.		1.5	20.0	208V.1Ø	2 #10, #10 GND., 3/4" C.	☒	AT UNIT	(2) (3)
10J-S1	ICE MACHINE COND.			11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	(2) (3)

(1) DISCONNECT SWITCH PROVIDED WITH UNIT.

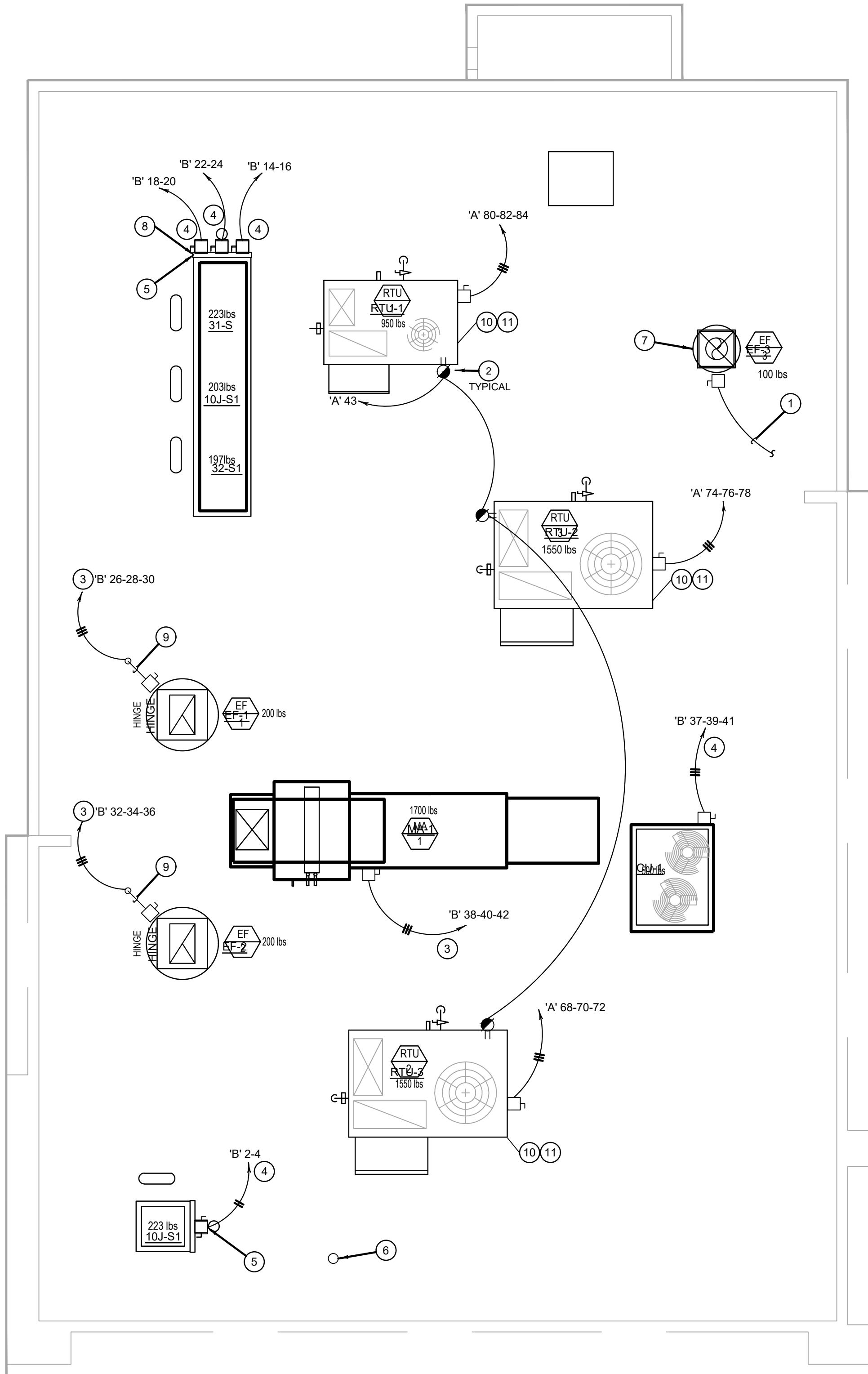
(2) COMBINATION 30A. 2P. 2F. WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.

(3) COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL THIS SHEET, 1 / E-104.

(4) ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

NOTE:

CONVENIENT RECEPTACLES WILL BE FACTORY INSTALLED ON RTU'S UNITS AND POWERED VIA CIRCUIT B-29.



HVAC EQUIPMENT SCHEDULE 4

NOT TO SCALE E-104

ROOF POWER PLAN 1

1/4" = 1'-0" E-104



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ISSUE DATE:

1st ISSUE FOR PERMIT 11-30-18

DRAWN BY: RR

PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No.
PE1805

**Kurzynske
& Associates**
CONSULTING ENGINEERS
2900 Lebanon Pike
Suite 201
Nashville, Tennessee 37214

NOT FOR
CONSTRUCTION

11-30-18

PANDA EXPRESS
ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

2200 TRUE R1 (DAB 013)

E-104

ROOF POWER PLAN

1. COORDINATE SERVICE ENTRANCE SECTION, TRANSFORMER, PRIMARY SERVICE, SECONDARY SERVICE, AND SWITCHING CABINET OR POWER POLE LOCATIONS WITH SERVING UTILITY COMPANY AND COMPLY AS REQUIRED.
2. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND TELEPHONE UTILITIES TO THE BUILDING.
3. CONTRACTOR TO PROVIDE ALL TRENCHING, BACKFILL, CONDUIT, PAD, ETC. PER THE SERVING UTILITY COMPANY SHOP DRAWINGS AND SPECIFICATIONS.
4. NOT USED.
5. MINIMUM CIRCUITRY THIS SHEET TO BE #10, 3/4" CONDUIT.

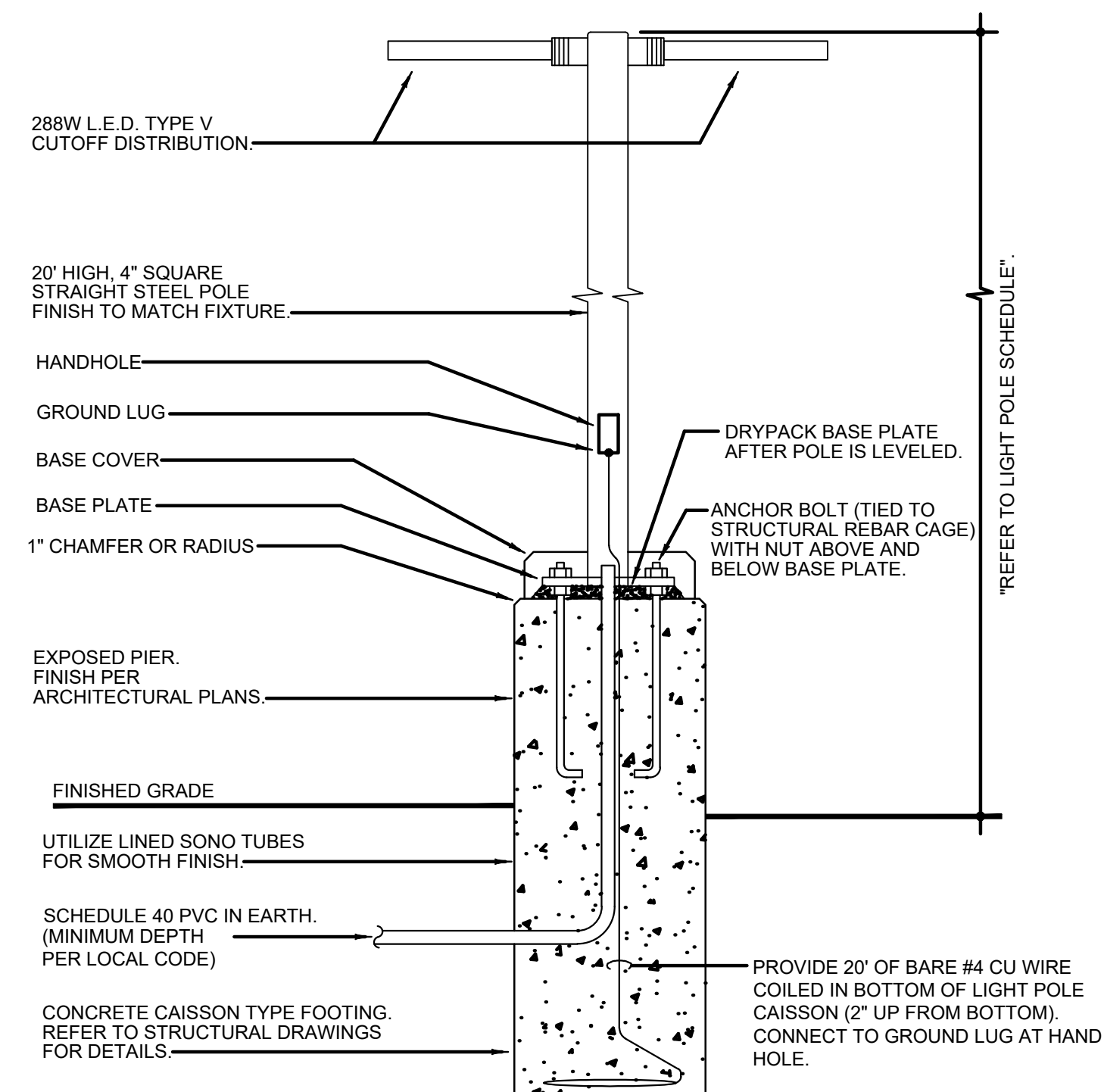
SITE PLAN GENERAL NOTES	2
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E-105

1. UTILITY CO. POLE MOUNT TRANSFORMER, FIELD VERIFY EXACT LOCATION.
2. NOT USED.
3. UTILITY CO. SECONDARY, PROVIDE (2) 3" CONDUITS OR AS DIRECTED BY THE UTILITY COMPANY REQUIREMENTS. SEE SINGLE LINE DIAGRAM.
4. UNDERGROUND TELCO. SERVICE, PROVIDE CONDUITS BASED ON TELEPHONE COMPANY REQUIREMENTS. CONNECT TO TELCO. PRIMARY SERVICE. COORDINATE EXACT ROUTING AND CONNECTION IN FIELD.
5. TELEPHONE CONDUIT TO TURN UP IN FURRED WALL TO ABOVE CEILING AND OVER TO THE TMB ABOVE THE MANAGER STATION.
6. COMBINE MULTIPLE HOMERUNS IN J-BOX ADJACENT PANEL. FEED THROUGH LIGHTING CONTACTOR. REF: 11/E-400.
7. NOT USED.
8. STUB UP LOCATION FOR PYLON SIGN OR MONUMENT SIGN. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT AT BASE OF SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. CONNECT TO EXTERIOR BUILDING SIGN TIMER CONTROL...
9. DRIVE-THRU SENSOR LOOP. COORDINATE LOCATION. REFER TO DETAIL 1 / E-401.
10. STUB-UP FOR DRIVE-THRU ORDER CONFIRMATION MONITOR. COORDINATE LOCATION WITH ARCHITECT / OWNER.
11. STUB-UP LOCATION FOR MENU BOARD. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR. COORDINATE PRECISE LOCATION WITH ARCHITECT / OWNER.
12. STUB-UP LOCATION FOR (3) 3/4" CONDUITS & PULL STRINGS, TO ENTER BUILDING & UP TO 6" ABOVE CEILING. REFER TO SHEET 1 / E-401.

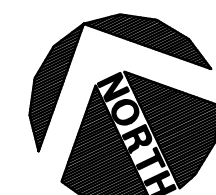
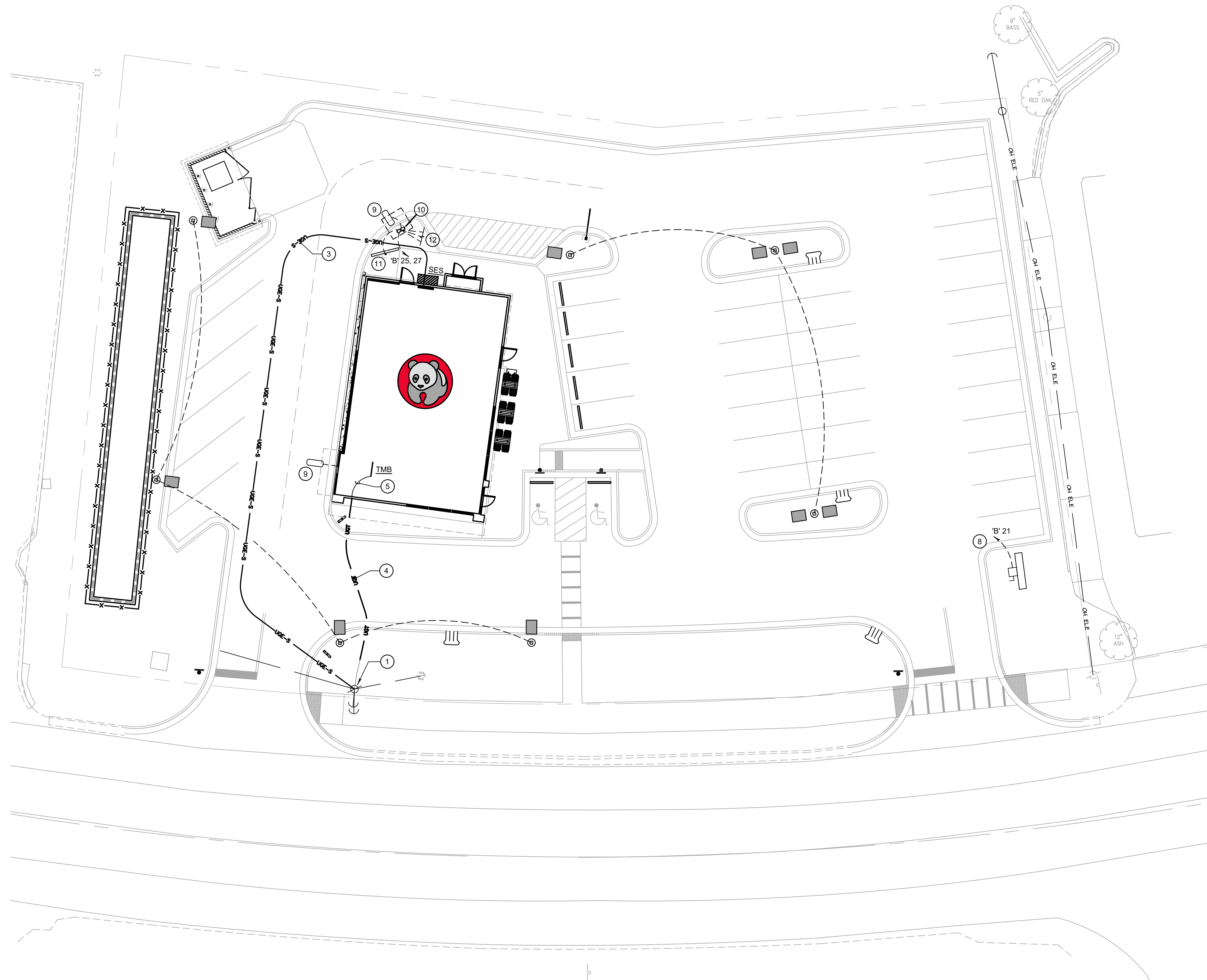
SITE PLAN KEYED NOTES	3
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E-105



POLE MOUNTING DETAILS	4
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NO SCALE	E-106
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SITE & EXTERIOR LIGHTING PLAN 1

E-105



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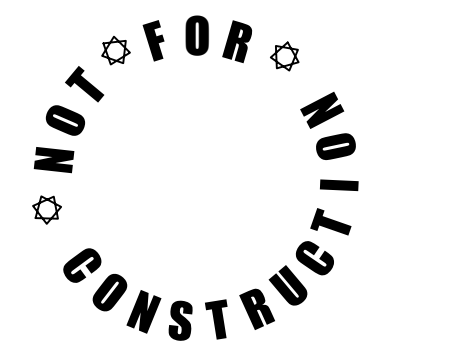
PANDA PROJECT #: S8-19-D6559

ARCH PROJECT #: 1805

Project No. PE1805

**Kurzynske
& Associates**
CONSULTING ENGINEERS

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Suite 201
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11-30-18

PANDA EXPRESS

ELM HILL PIKE AT DONELSON PIKE
2740 ELM HILL PIKE
NASHVILLE, TN 37214

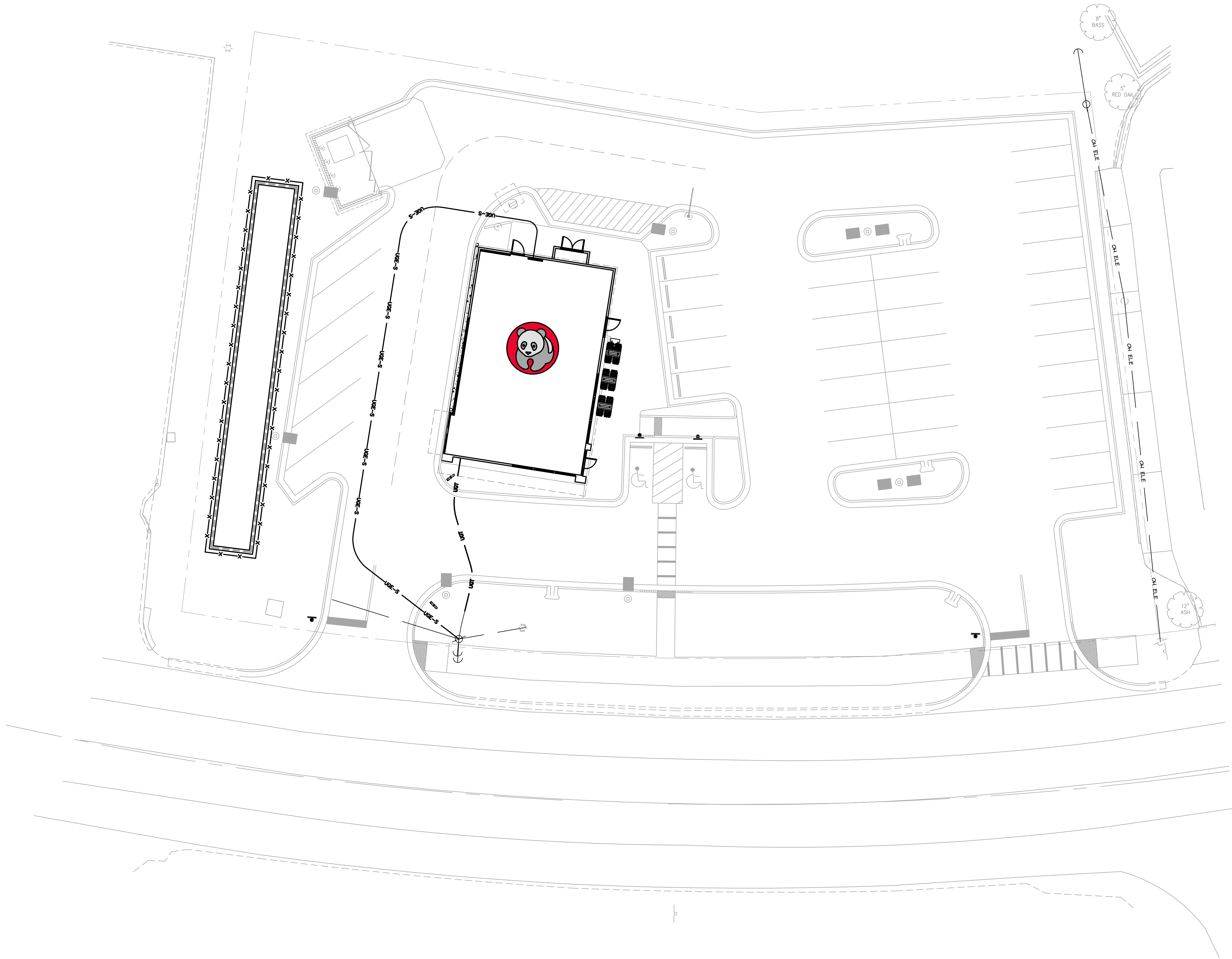
2200 TRUE R1 (DAB 013)

E-105

HOT - MEDIUM
SITE & EXTERIOR LIGHTING PLAN

$$1'' = 16'-0''$$

E-105



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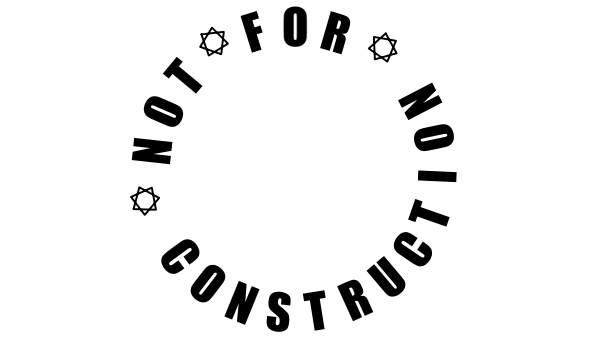
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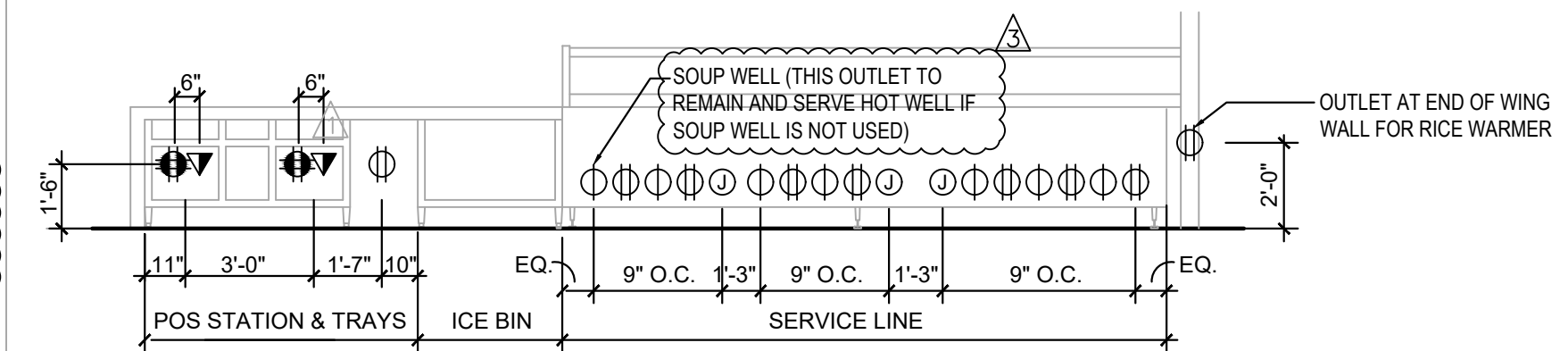
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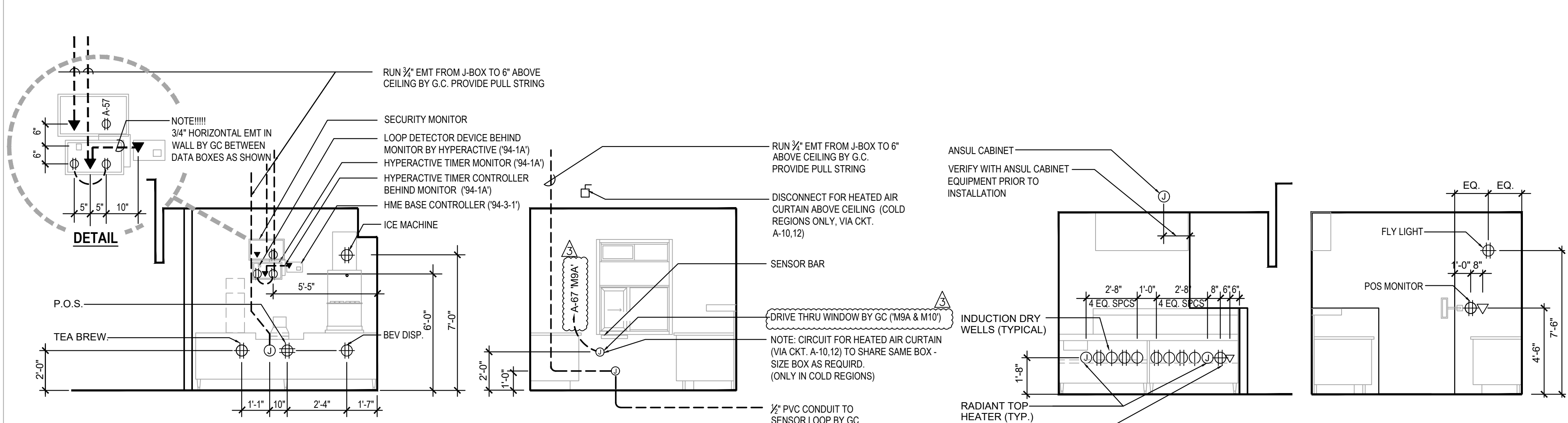
11-30-18
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2740 ELM HILL PIKE
NASHVILLE, TN 37214
2200 TRUE R1 (DAB 013)

E-106
HOT - MEDIUM
SITE PHOTOMETRIC PLAN



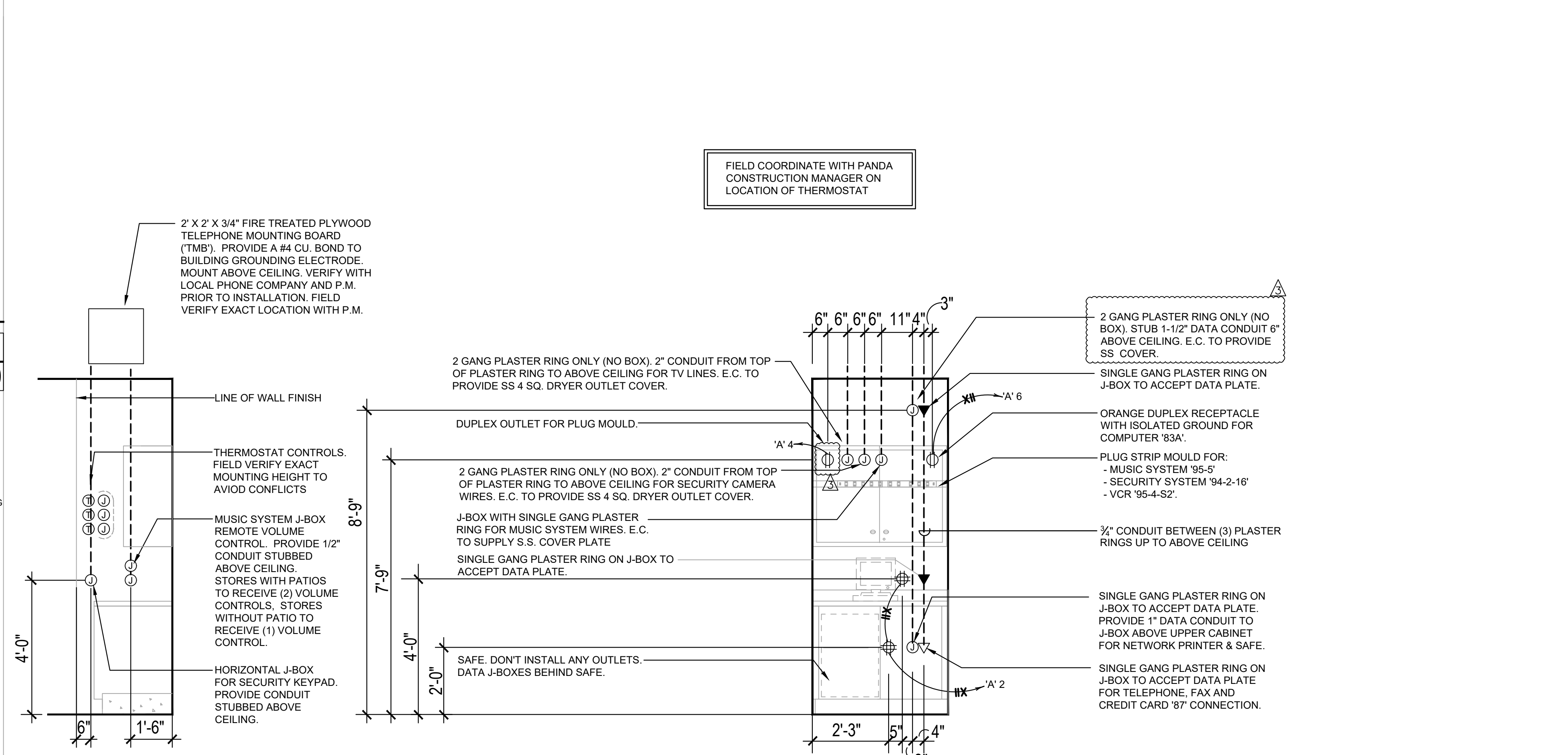
P.O.S. & SERVICE LINE ELEVATION	3
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E-200



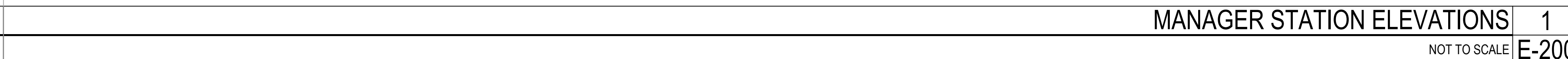
DRIVE-THRU ELEVATIONS	2
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Scale: approx. 1/4"=1'-0"	E-200
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FRONT ELEVATION

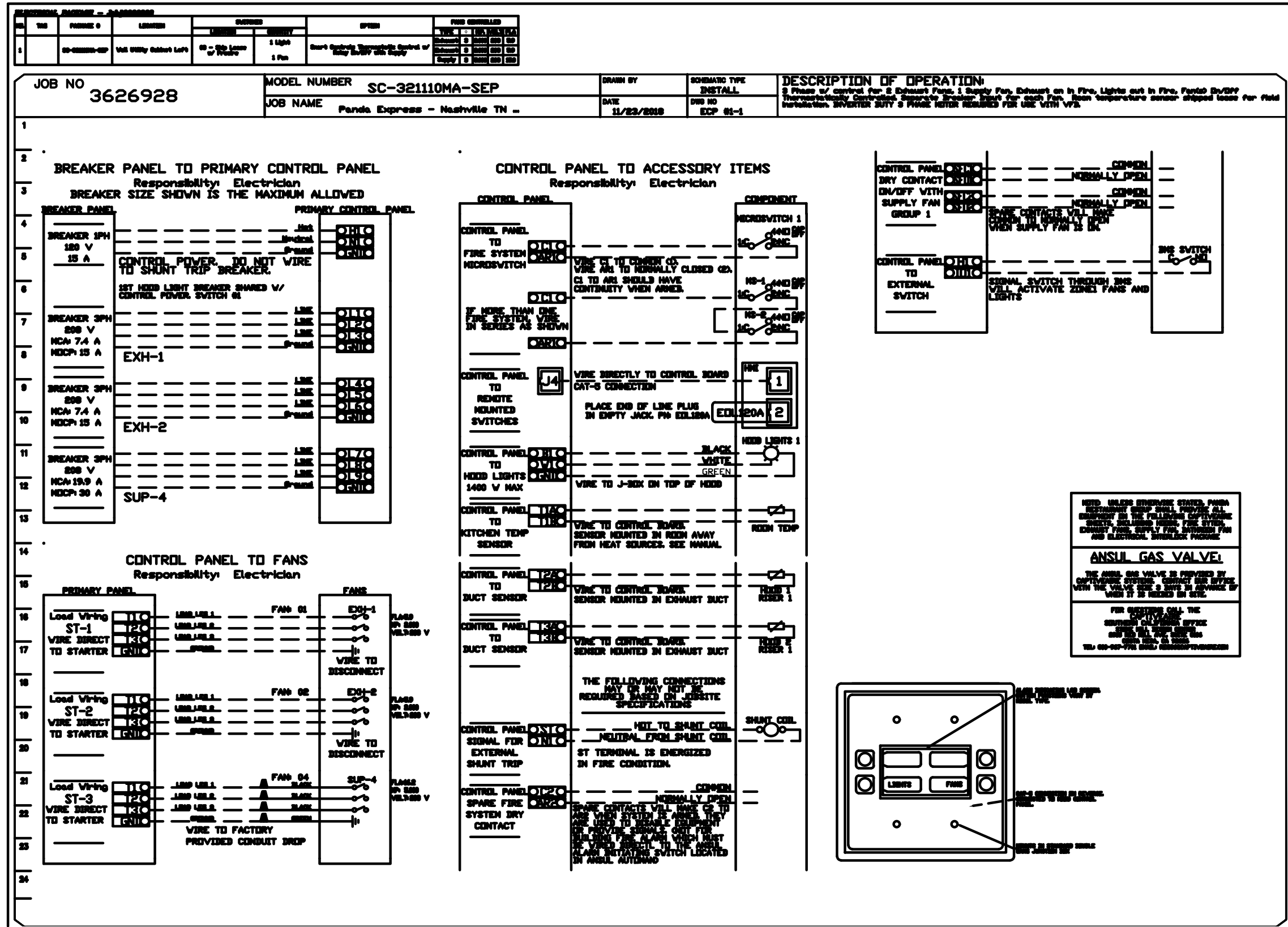
NOT TO SCALE	E-200
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MANAGER STATION ELEVATIONS	1
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NOT TO SCALE	E-200
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PANELBOARD SCHEDULE – PANEL-A															PE1805							
PANELBOARD DESCRIPTION							BREAKER OPTIONS					LOADS										
PANELBOARD NAME: MANUFACTURER / TYPE: VOLTS: PHASE / WIRE: MAIN TYPE / CU BUS AMPS: AIC SERIES RATING: MOUNTING: NEMA RATING: QUANTITY OF SECTIONS:							A / Y 120 3 / 4 MLO / 400 AMP 65,000 FLUSH 1 1							ARC-FAULT: GROUND FAULT: HACR: HID LTG RATED: HIGH MAG LOAD: ISOLATED GROUND: LOCK-ON: SHUNT TRIP: SWITCH RATED:			AF GF HA HD HM IG LO ST SW			KVA PHASE A 41.41 KVA PHASE B 40.72 KVA PHASE C 45.39 AMPS PHASE A 345.1 AMPS PHASE B 339.3 AMPS PHASE C 378.3 KVA CONNECTED 127.5 KVA DIVERSIFIED 110 AMPS CONNECTED 354 AMPS DIVERSIFIED 305.3		
PHI Notes	CIR NO.	LOAD DESCRIPTION	EQ NO	LOAD TYPE	LOAD KVA	CIR BKR */P/O	PH	CIR BKR */P/O	LOAD KVA	LOAD TYPE	EQ NO	LOAD DESCRIPTION	CIR NO.	PHI Notes								
		1 WIC DISPLAY LITS/MENUBD		L	0.614	20/1	A	20/1	1.080	R		OFFICE OUTLETS	2									
		3 HOOD CONTROL PANEL	M4	MS	0.500	20/1	B	20/1	0.720	R		MUSIC, DVD, MONITOR	2									
		5 PDS EQUIPMENT	88A	R	1.100	20/1	C	20/1	0.540	R	83A	COMPUTER	4									
		A 7 DT POS EQUIPMENT	88A	R	1.100	20/1/GF	A	20/1	0.132	X	10A	ICE MACHINE	8									
		9 CARBONATOR(4B) & 95-4-53		R	0.540	20/1	B	40/2	3.050	HT		HEATED AIR CURTAIN	10									
		11 RICE WARMER	34A	K	0.105	20/1	C	40/2	3.050	HT	CHF-25		12									
		A 13 REFRIG PREP TABLE	34A	X	1.440	20/1/GF	A	20/1	0.500	M1	M8A	REAR DOOR FLY FAN	14									
		A 15 REFRIG PREP TABLE	34K	X	1.080	20/1/GF	B	20/2	0.250	X			16									
		A 17 U.I.C. FREEZER	30K	X	0.792	20/1/GF	C	20/2	0.250	X	32M	WIF EVAP COIL	18									
		19 ICE & BEVERAGE DISP	44B/10J	X	1.248	20/1	A	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	20									
		21 SERVING COUNTER		R	0.180	20/1	B	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	22									
		23 TEA BREWER	90	K	1.776	20/1	C	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	24									
		25 FOOD PROCESSOR	53	K	0.336	20/1	A	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	26									
		27 SPACE				1 POLE	B	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	28									
		29 WIC EVAP COIL	31M	X	0.500	20/1	C	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	30									
		B,C 31 RICE HOLDING CABINET	24H	K	1.778	20/1/ST	A	20/1/GF	1.300	K	3J/3K	INDUCTION WELLS	32									
		33						20/1	1.100	K	1S282	TOP RADIANT HTR	34									
		35						20/1	0.840	K	1S281	TOP RADIANT HTR	36									
		37						20/1	1.100	K	1S282	TOP RADIANT HTR	38									
		A 39 HEAT WRAP TAPE	32-S7	K	0.500	20/1/GF	B	20/1	1.100	K	1S282	TOP RADIANT HTR	40									
		41 FLY LIGHT		R	0.180	20/1	C	20/1	0.840	K	1S281	TOP RADIANT HTR	42									
		43 DUCT DETECTORS		MS	0.540	20/1	A	20/1				SPARE	44									
		45 FOOD PREP LTG & L100		L	1.646	20/1	B	20/1				SPARE	46									
		47 DINING AREA LTG		L	1.427	20/1	C	15/2	0.900	K	55A	MICROWAVE OVEN	48									
		49 SHOW WINDOW OUTLETS		R	0.540	20/1	A	20/1	0.900	K			50									
		51 GEN RECEP OUTLETS		R	0.720	20/1	B	20/1	0.180	R		FUTURE EQUIPMENT	52									
		53 EXT RECEP OUTLETS		R	0.360	20/1	C	20/1	0.720	R	96-3B	DINING TVs	54									
		55 SPARE				20/1	A	20/2	1.230	X	10A-S1	ICE MACHINE CONDENSER	56									
		57 HME/SECURITY MONITORS		R	0.540	20/1	B	20/2	1.230	X			58									
		A 59 WATER HEATER (GAS)	P2	MS	0.050	20/1/GF	C	25/2	2.080	X	32-S1	WIF CONDENSER	60									
		61 TEA BREWER	90	K	1.776	20/1	A	20/2	2.080	X			62									
		63 RR LTG		L	0.100	20/1	B	20/2	1.560	X	31-S	WIF CONDENSER	64									
		A 65 SOUP WARMER	3T	K	0.804	20/1/GF	C	70/3	1.560	X			66									
		67 DT WINDOW	M10	MS	0.600	20/1	A	70/3	6.840	HV			68									
		A 69 INDUCTION WELL	3J/3K	K	1.300	20/1/GF	B	70/3	6.840	HV	RTU-3	10 TON ROOFTOP AC UNIT	70									
		A 71 INDUCTION WELL	3J/3K	K	1.300	20/1/GF	C	70/3	6.840	HV			72									
		73		K	3.000			70/3	6.840	HV			74									
		75		K	3.000			70/3	6.840	HV	RTU-2	10 TON ROOFTOP AC UNIT	76									
		77		K	3.000			70/3	6.840	HV			78									
		79		K	3.000			70/3	6.840	HV			80									
		A 81 INDUCTION WELL	3J/3K	K	1.300	20/1/GF	B	45/3	3.840	HV	RTU-1	5 TON ROOFTOP AC UNIT	82									
		A 83 INDUCTION WELL	3J/3K	K	1.300	20/1/GF	C	45/3	3.840	HV			84									
*A/P/O INDICATES CIRCUIT BREAKER AMPACITY/NO. POLES/OPTIONS WITH OPTIONS AS NECESSARY																						
PANELBOARD LOAD SUMMARY																						
LOAD DESCRIPTION		TYPE	(KVA) X	DEMAND FACTOR	=	DIVERSIFIED KVA																
LIGHTING		L	3.787	1.25		4.734																
EXTERIOR LIGHTING & SIGNAGE		EL	0.000	1		0.000																
RECEPTACLES		R	8.500	PER(>10KVA@50%)		8.500																
MISCELLANEOUS		MS	1.690	1.25		2.113																
HVAC		HV	52.560	1		52.560																
HEAT		HT	6.100	1		6.100																
SINGLE PHASE MOTOR		M1	0.500	1.25		0.625																
THREE PHASE MOTOR		M3	0.000	1		0.000																
KITCHEN EQUIPMENT		K	38.955	0.65		25.321																
KITCHEN REFRIG EQUIPMENT		X	15.432	0.65		10.031																
TOTAL			127.524			TOTAL 109.983																

PANELBOARD SCHEDULE – PANEL-B															PE1805	
PANELBOARD DESCRIPTION							BREAKER OPTIONS					LOADS				
PANELBOARD NAME: MANUFACTURER / TYPE: VOLTS: PHASE / WIRE: MAIN TYPE / CU BUS AMPS: AIC SERIES RATING: MOUNTING: NEMA RATING: QUANTITY OF SECTIONS:							B / Y 120 3 / 4 MLO / 225 AMP 65,000 FLUSH 1 1					ARC-FAULT: GROUND FAULT: HACR: HID LTG RATED: HIGH MAG LOAD: ISOLATED GROUND: LOCK-ON: SHUNT TRIP: SWITCH RATED:				
							AF GF HA HD HM IG LO ST SW					KVA PHASE A 13.98 KVA PHASE B 14.23 KVA PHASE C 10.69 AMPS PHASE A 116.5 AMPS PHASE B 118.6 AMPS PHASE C 89.08 KVA CONNECTED 38.9 KVA DIVERSIFIED 39.63 AMPS CONNECTED 108 AMPS DIVERSIFIED 110				
PHI Notes	CIR NO.	LOAD DESCRIPTION	EQ NO	LOAD TYPE	LOAD KVA	CIR BKR */P/O	PH	CIR BKR */P/O	LOAD KVA	LOAD TYPE	EQ NO	LOAD DESCRIPTION	CIR NO.	PHI Notes		
		1 LOGO & ID SIGN		EL	1.080	20/1	A	20/2	1.228	X	10A-S1	ICE MACHINE CONDENSER	2			
		3 EXTERIOR LIGHTING		EL	0.848	20/1	B		1.228	X			4			
		5 EXTERIOR LIGHTING		EL	0.924	20/1	C	20/1/ST			21G	FRYER CONTROLS	6	B,C		
		7 IRRIGATION SYS OUTLET		R	0.180	20/1	A		0.960	K			8			
		9 BEVERAGE DISPENSER	44B	K	1.116	20/1	B	1 POLE				SPACE	10			
		11 SECURITY/POS MONITORS		R	0.360	20/1	C	1 POLE				SPACE	12			
		13 TIMER SYSTEM	94-1A	MS	0.500	20/1	A	1 POLE				SPACE	14			
		15 DINING TVs	96-3B	R	0.360	20/1	B	1 POLE				SPACE	16			
		17 LOGO		EL	0.480	20/1	C	1 POLE				SPACE	18			
		19 HOTBOX		R	0.360	20/1/GF	A	1 POLE				SPACE	20			
		21 MONUMENT SIGN		EL	0.500	20/1	B	1 POLE				SPACE	22			
		23 BUILDING LIGHTING		EL	0.610	20/1	C	1 POLE				SPACE	24			
		25 MENUBOARD		MS	1.500	20/1	A	15/3	0.552	M3			26			
		27 DT ORDERING STATION		MS	1.000	20/1	B		0.552	M3	EF-1	HOOD EXHAUST FAN	28			
		29 ROOFTOP UNIT OUTLETS		R	0.540	20/1	C		0.552	M3			30			
		31 FIN LIGHTING		EL	0.400	20/1	A		0.552	M3			32			
		33 AWNING LIGHTING		EL	1.400	20/1	B	15/3	0.552	M3	EF-2	HOOD EXHAUST FAN	34			
		35 SPACE				1 POLE	C		0.552	M3			36			
		37		HV	4.872				1.800	M3			38			
		39 MAKE-UP AIR CONDENSER	CU-1	HV	4.872	60/3	B	15/3	1.800	M3	MUA-1	HOOD MAKE-UP AIR UNIT	40			
		41		HV	4.872				1.800	M3			42			
*A/P/O INDICATES CIRCUIT BREAKER AMPACITY/NO. POLES/OPTIONS WITH OPTIONS AS NECESSARY																
PANELBOARD LOAD SUMMARY																
LOAD DESCRIPTION		TYPE	(KVA) X	DEMAND FACTOR	=	DIVERSIFIED KVA										
LIGHTING		L	0.000	1.25		0.000										
EXTERIOR LIGHTING & SIGNAGE		EL	6.242	1.25		7.803										
RECEPTACLES		R	1.800	PER(>10KVA@50%)		1.800										
MISCELLANEOUS		MS	3.000	1.25		3.750										
HVAC		HV	14.616	1		14.616										
HEAT		HT	0.000	1		0.000										
SINGLE PHASE MOTOR		M1	0.000	1.25		0.000										
THREE PHASE MOTOR		M3	8.712	1		8.712										
KITCHEN EQUIPMENT		K	2.076	0.65		1.349										
KITCHEN REFRIG EQUIPMENT		X	2.456	0.65		1.596										
TOTAL			38.902			TOTAL			39.626							