

ARCHITECTURAL ADDENDUM #03

Addendum Number Three (03)
PLANS AND SPECIFICATIONS FOR
Houston Community College – Culinary Arts Center
STANTEC Project No. 2140 00 169

Stantec
20 East Greenway Plaza
Suite 200
Houston, Texas 77046



February 01, 2017

NOTE: If you have questions about this Addendum, please contact Geoffrey Wheeler.

This Addendum is generally separated into sections for convenience; however, all contractors, subcontractors, material suppliers and other involved parties shall be responsible for reading the entire Addendum. Failure to list an item(s) in all affected sections of this Addendum does not relieve any party affected from performing per instructions, provided the information is set forth one time anywhere in the Addendum.

This document shall become attached to and part of the Construction Documents for the aforementioned project.

DRAWINGS**Sheet P001**

1. Issued now, previously not issued with bid documents

Sheet P002

2. Issued now, previously not issued with bid documents

Sheet P010

3. Issued now, previously not issued with bid documents

NUMBER OF ATTACHMENTS:
Drawings – 42" x 30" – 3 sheets

END OF ADDENDUM NUMBER THREE (03)

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
		SANITARY STACK & SIZE STACK NUMBER			THERMOMETER
					UNION
	VTR	VENT THRU ROOF			REDUCER
	SAN	SANITARY			GAUGE
	PSAN	PUMPED SANITARY			BALL VALVE
	DCW	DOMESTIC COLD WATER			GATE VALVE
	DHW	DOMESTIC HOT WATER (140°F)			BUTTERFLY VALVE
	SW	SOFTENED WATER			CHECK VALVE
	TP	TRAP PRIMER			PLUG VALVE
	AS	WET AUTOMATIC SPRINKLERS			SOLENOID VALVE
	F	FIRE WATER		PRV	PRESS. REDUCING VALVE
	CA	COMPRESSED AIR (125 PSI)			VALVE BOX
	G	NATURAL GAS			GAUGE COCK
	FLD	FIRE LINE DRAIN		RV	PRESSURE RELIEF VALVE
	GV	NATURAL GAS VENT		FCO	FLOOR CLEANOUT
	AI	AIR INTAKE		CO	CLEANOUT
	MW	MAKEUP WATER (NON-POTABLE)		GR	GAS REGULATOR
	DHWR	DOMESTIC HOT WATER RETURN (140°F)		FDV	FIRE DEPT. VALVE
				AFF	ABOVE FINISHED FLOOR
				COG	CLEANOUT AT GRADE
				FL	FLOW LINE
				VB	VACUUM BREAKER
				WCO	WALL CLEANOUT
				AP	ACCESS PANEL
				FPS	FEET PER SECOND
				GPM	GALLONS PER MINUTE
				CFH	CUBIC FEET PER HOUR
				SCFM	STANDARD CUBIC FT PER MIN.
				BOP	BOTTOM OF PIPE

GENERAL NOTES

- PRIOR TO WORK CONTRACTOR SHALL TIGHTLY COORDINATE PLUMBING WORK WITH OTHER TRADES.
- PROVIDE A UNION DOWNSTREAM FROM EACH THREADED VALVE.
- PROVIDE A SEPARATE P-TRAP AT EACH PLUMBING FIXTURE, UNLESS TRAP IS BUILT INTO FIXTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
- MAKE ROUGH-IN AND FINAL CONNECTION TO ALL PLUMBING FIXTURES.
- ALL NEW WORK SHALL CONFORM TO THE 2012 EDITION OF THE UNIFORM PLUMBING CODE WITH CITY OF HOUSTON AMENDMENTS UNLESS OTHERWISE NOTED OR SHOWN.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE, NOT ALL REQUIRED PIPE ELBOWS, TEES, AND ASSOCIATED FITTINGS ARE SHOWN. CONTRACTOR SHALL PROVIDE A COMPLETE WORKING PLUMBING SYSTEM PER THE SPECIFICATIONS AND PLUMBING CODE.
- PROVIDE A COMPLETE WORKING PLUMBING SYSTEM PER THE SPECIFICATIONS AND PLUMBING CODE.
- PROVIDE A HYDRAULICALLY SIZED SPRINKLER SYSTEM IN ACCORDANCE WITH 2013 EDITION OF NFPA 13, TO PROVIDE SPRINKLERED FLOOR COVERAGE, FOR THE BUILDING AS INDICATED ON THE FLOOR PLANS.
- FIRE PROTECTION PIPING SHALL BE COORDINATED AROUND OTHER TRADES, SUCH AS PLUMBING, HVAC AND ELECTRICAL.
- PROVIDE A BALL VALVE W/ IN-LINE Y-STRAINER OR A FILTER TYPE BALL VALVE UPSTREAM OF ALL TRAP PRIMERS.
- VERIFY LOCATION OF ALL FLOOR DRAINS WITH THE EQUIPMENT ROUGH-IN LOCATION.
- REFER TO REFLECTED CEILING PLANS FOR FIRE SPRINKLER HEAD LAYOUT.
- A SUPERVISORY SWITCH (TAMPER SWITCH) SHALL BE PROVIDED ON EACH VALVE USED FOR CONTROLLING THE FIRE PROTECTION SPRINKLER SYSTEM, AS SPECIFIED.
- PROVIDE A BACKFLOW PREVENTER (AS INDICATED ON FLOOR PLANS) ON THE DOMESTIC WATER SUPPLY LINES TO KITCHEN EQUIPMENT.
- THE SIZE OF THE STORM DRAINAGE SYSTEM IS BASED ON 8" RAINFALL RATE PER THE CITY OF HOUSTON AMENDMENTS TO THE 2012 UNIFORM PLUMBING CODE. STORM DRAINAGE IS SHOWN ON ARCHITECTURAL ROOF PLANS.
- TRAP PRIMER PIPING SHALL NOT CONNECT DIRECTLY TO FLOOR DRAIN/ FLOOR SINK BODIES. CONNECT TRAP PRIMER PIPING TO FLOOR DRAIN P-TRAP EQUIPPED WITH TRAP PRIMER TAP.
- COORDINATE NATURAL GAS SERVICE TO BUILDING WITH UTILITY COMPANY PRIOR TO WORK.
- CONTRACTOR SHALL OBTAIN ARCHITECT/ENGINEER APPROVAL FOR ALL ACCESS PANEL LOCATIONS.
- PROVIDE SPRINKLER PROTECTION FOR ELEVATOR HOISTWAYS AS OUTLINED IN NFPA 13 AND THE BUILDING CODE. PROVIDE A SIDEWALL SPRINKLER HEAD NOT MORE THAN 2' ABOVE THE FLOOR OF THE PIT. A SPRINKLER HEAD LOCATED AT THE TOP OF THE HOISTWAY IS NOT REQUIRED.
- PROVIDE AN ISOLATION VALVE FOR EACH SINGLE PLUMBING FIXTURE, OR WHERE FIXTURES ARE GROUPED ONE VALVE PER GROUP, REFER TO FLOOR PLANS.
- EACH FLOOR DRAIN AND FLOOR SINK SHALL HAVE THE P-TRAP SEAL PROTECTED BY A TRAP PRIMER LINE. IF A TRAP PRIMER LINE IS NOT SHOWN ON THE DRAWING THE FLOOR DRAIN OR FLOOR SIN SHALL BE PROTECTED BY A TRAP GUARD.
- PROVIDE PRESSURE & TEMPERATURE PORTS IN UPSTREAM AND DOWNSTREAM PIPING CONNECTING TO PUMPS, WATER HEATERS AND COMPRESSORS.
- PROVIDE PRESSURE & TEMPERATURE PORTS WITHIN 3 PIPE DIAMETERS OF EACH PRESSURE OR TEMPERATURE SENSOR FOR USE IN CALIBRATION AND VERIFICATION.
- PROVIDE & INSTALL SUPPLY STOPS ON ALL WATER CONNECTIONS TO EQUIPMENT.
- PROVIDE INLINE DUAL CHECK WITH ATMOSPHERIC VENT ON DCW SUPPLY LINES TO BEVERAGE EQUIPMENT, COFFEE MAKERS & TEA BREWERS. PROVIDE INLINE DUAL CHECK VALVE ON DCW SUPPLY LINES TO ICE MAKERS.
- WHERE FOOD SINKS ARE PROVIDED FOR FOOD SERVICE EQUIPMENT PROVIDE & INSTALL FULL SIZE TYPE "L" COPPER DRAIN LINE FROM EQUIPMENT TO FLOOR SINK (INDIRECT WASTE).
- REFER TO FOOD SERVICE DWGS. FOR EXACT CONNECTION LOCATION OF PLUMBING UTILITIES TO EQUIPMENT.
- VALVES ON DCW & DHW SUPPLY LINES TO MOP SINK FAUCETS & PRE RINSE FAUCETS UNLESS INTEGRAL CHECK VALVES ARE BUILT INTO FAUCET.
- PROVIDE DRY TYPE SPRINKLER HEAD TO PROTECT FREEZERS.

PLUMBING PIPE MATERIALS SPECIFICATION

NOTE: REFER TO DIVISION 22 SPECIFICATIONS FOR MORE DETAILS OF PIPE AND FITTINGS.

SERVICE	PIPE	FITTING
EQUIPMENT DRAINS AND OVERFLOWS	TYPE "L" HARD DRAWN COPPER (ASTM B88)	SOLDERED (95-5) WROUGHT COPPER, ANSI B16.22.
SANITARY DRAINAGE, GREASE WASTE AND VENT ABOVE GRADE AND BELOW SLAB ON GRADE	SERVICE WEIGHT CAST IRON, CISPI 301	SERVICE WEIGHT DWV NO-HUB FITTINGS. HEAVY WEIGHT NO-HUB, 4-BAND COUPLINGS FOR SIZES 4" & LESS AND 6-BAND COUPLINGS FOR PIPES SIZES OVER 4". CONFORMING TO CISPI 310 MANUF. BY ANACO "HUSKEY"; 2000, MIFAB MI-XHUB OR CLAMP-ALL 125. NO-HUB CISPI 310 COUPLINGS. ALL COUPLINGS WITH STAINLESS STEEL BANDS AND NEOPRENE GASKETS
SANITARY DRAINAGE SITE PIPING BEGINNING 5' FROM THE BUILDING	SIZES 6" AND SMALLER: SCHEDULE 40 PVC	TYPE 1 GRADE 1 PVC SOCKET SOLVENT CEMENT JOINTS.
STORM AND OVERFLOW DRAINAGE ABOVE GRADE	SERVICE WEIGHT CAST IRON, CISPI 301	FOR SIZES THROUGH 8": SERVICE WEIGHT DWV NO-HUB FITTINGS WITH HEAVYWEIGHT 4-BAND COUPLINGS FOR PIPE SIZES 4" AND LESS AND 6-BAND COUPLINGS FOR PIPE SIZES OVER 4" CONFORMING TO CISPI 310, MANUF. BY ANACO "HUSKEY" 2000, MIFAB MI-XHUB OR CLAMP-ALL 125. FOR SIZES OVER 8": SERVICE WEIGHT BELL & SPIGOT DWV FITTINGS WITH NEOPRENE GASKETS, ASTM C564.
STORM AND OVERFLOW DRAINAGE BELOW GRADE	SERVICE WEIGHT CAST IRON, CISPI 301	SERVICE WEIGHT BELL & SPIGOT DWV FITTINGS WITH NEOPRENE GASKETS, ASTM C564.
DOMESTIC WATER MAKEUP WATER ABOVE GRADE	TYPE "L" HARD DRAWN COPPER (ASTM B88)	ANSI B16.22 WROUGHT COPPER WITH 95-5 SOLDER LEAD-FREE JOINTS, ASTM B32.
DOMESTIC WATER BELOW GRADE	TYPE "K" HARD DRAWN COPPER (ASTM B88)	ANSI B16.22 WROUGHT COPPER WITH SIL-FOS LEAD-FREE JOINTS, ASTM B32
NATURAL GAS ABOVE GRADE	SCHEDULE 40 BLACK STEEL (ASTM A53)	FOR PIPE SIZES UP TO 2 INCH - CLASS 150 THREADED MALLEABLE IRON FITTINGS FOR EXPOSED AREAS. CARBON STEEL SOCKET WELDED FITTINGS ABOVE CEILING AND CONCEALED AREAS. FOR PIPE SIZES OVER 2 INCH - CARBON STEEL LONG RADIUS BUTT WELDED FITTINGS
NATURAL GAS BELOW GRADE	POLYETHYLENE TYPE 2 GRADE 3 WITH SDR11 WALL THICKNESS (ASTM D1248)	TYPE 2 GRADE 3 POLYETHYLENE SOCKET HEAT FUSED FITTINGS FOR SIZES UP TO 2". BUTT FUSED FITTINGS FOR PIPE SIZES OVER 2 INCH.

UNIONS: CLASS 150, 300 POUND WATER-OIL-GAS SERVICE BRONZE. UNION WITH GROUND JOINT AND BRASS SEAT, ANSI B16.39.

PLUMBING CALCULATIONS

SERVICE	UNIT	AMOUNT	DFU
1. SANITARY SEWER			
WATER CLOSETS	10 X 6	DFU	= 60 DFU
URINALS	2 X 5	DFU	= 10 DFU
LAVATORIES	8 X 1	DFU	= 8 DFU
MOP SINKS	2 X 3	DFU	= 6 DFU
SINKS	25 X 2	DFU	= 50 DFU
DRINKING FOUNTAINS	4 X 1	DFU	= 4 DFU
FOOD WASTE SINK	8 X 3	DFU	= 24 DFU
DISHWASHER	3 X 2	DFU	= 6 DFU
4" FLOOR SINKS	34 X 6	DFU	= 204 DFU
TOTAL			= 372 DFU
PER 2012 EDITION OF UNIFORM PLUMBING CODE TABLES 703.2, 372 DFU WILL BE SERVED BY A 6" PIPE SLOPED AT 1/8" PER FOOT. NOTE: ALL FLOOR DRAINS IN THE CENTER OF THE LABS AND THE TRENCH DRAINS IN THE RESTROOMS ARE EMERGENCY FIXTURES AND HAVE A DFU VALUE OF 0.			
2. STORM DRAIN			
ALL STORM DRAIN PIPING SIZES ARE BASED ON UNIFORM PLUMBING CODE TABLES FOUND IN THE CITY OF HOUSTON AMENDMENTS AND A RATE OF 8 INCHES PER HOUR. SEE ARCHITECTURAL PLANS FOR ROOF DRAINS. TOTAL CALCULATED FLOW = 1,365 GPM.			
3. DOMESTIC WATER			
WATER CLOSETS	10 UNITS	=	165 FU
URINALS	2 UNITS	=	35 FU
LAVATORIES	8 X 1 FU	=	8 FU
MOP SINKS	2 X 3 FU	=	6 FU
SINKS	60 X 2 FU	=	120 FU
HOSE BIBBS	2.5 + 6	=	8.5 FU
DRINKING FOUNTAINS	4 X .5 FU	=	2 FU
KITCHEN EQUIPMENT	15 X 2 FU	=	30 FU
DISHWASHER	3 X 2 FU	=	6 FU
TOTAL			380.5 WFU 125 GPM
PER 2012 EDITION OF UNIFORM PLUMBING CODE TABLES CHARTS A2.1 AND A2.1(1), 380.5 WFU IS EQUIVALENT TO 125 GPM. FIXTURE COUNT INCLUDES ESTIMATED FIXTURE UNITS FOR SHELL SPACE BUILDOUT.			
FIGURE A4.1(2) FOR TYPE "L" COPPER TUBING FOR PIPE SIZE, A 4" PIPE IS ADEQUATE, FLOWING AT 3.4 FEET PER SECOND VELOCITY.			
4. GREASE INTERCEPTOR:			
FLOOR SINKS: 17 X 6 = 102 DFU			
PER TABLE 10-3 FROM THE 2012 UNIFORM PLUMBING CODE, 102 DFU WILL REQUIRE A MINIMUM GREASE INTERCEPTOR VOLUME OF 1,500 GALLONS.			



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11/18/16



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CULINARY ARTS CENTER
HOUSTON, TEXAS

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SCALE: NO SCALE
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SHEET TITLE:
PLUMBING LEGEND,
GENERAL NOTES AND
SPECIFICATIONS

P.001
214000169

Stantec Project:

PLUMBING ROUGH IN SCHEDULE

FIXTURE	SOIL	WASTE	VENT	HOT WATER	COLD WATER	DESCRIPTION
WC-1	4	-	2	-	1	WALL HUNG WATER CLOSET - (ZURN ECO VANTAGE NO Z5615 AQUAMETER) WITH 1.28 GPF HANDS FREE SENSOR ACTIVATED FLUSH VALVE (ZURN MODEL ZER6000PL-HET-CPM)
WC-2	4	-	2	-	1	ADA WALL HUNG WATER CLOSET - (ZURN ECO VANTAGE NO Z5615 AQUAMETER) WITH 1.28 GPF HANDS FREE SENSOR ACTIVATED FLUSH VALVE (ZURN MODEL ZER6000PL-HET-CPM)
U-1	2	-	2	-	3/4	WALL HUNG URINAL - (ZURN ECOVANTAGE NO. Z5798) WITH .125 GPF ELECTRONIC FLUSH VALVE (ZURN ZEMS6003AV-ULF-IS)
U-2	2	-	2	-	3/4	ADA WALL HUNG URINAL - (ZURN ECOVANTAGE NO. Z5798) WITH .125 GPF ELECTRONIC FLUSH VALVE (ZURN ZEMS6003AV-ULF-IS)
L-1	-	2	1 1/2	1/2	1/2	ADA COUNTER MOUNTED LAVATORY - (ZURN NO. Z5220) WITH 0.5 GPM SPRAY OUTLET - (ZURN NO. 76915-TMV-1-F)
SK-1	-	2	2	3/4	3/4	WALL MOUNTED HANDSINK
SK-2	-	2	2	1/2	1/2	ADA COUNTER MOUNTED SINGLE COMPARTMENT SINK - (ELKAY™LRAD-2521") WITH 1.5 GPM GOOSENECK SPOUT - (CHICAGO NO. 786-GN8FC)
MS-1	-	3	2	1/2	1/2	FLOOR MOUNTED MOP SINK - (STERN WILLIAMS SBC-1525) WITH WALL- MOUNTED SERVICE SINK FAUCET - (CHICAGO MODEL 445-897SRXXCP)
EDF-1	-	2	2	-	1/2	ELECTRIC DRINKING FOUNTAIN - (ELKAY No. EZSTL8WSLK)
TMV	-	-	-	-	-	THERMOSTATIC MIXING VALVE FOR LAVATORIES (ASSE 1070 COMPLIANT)
RB-1	-	2	2	-	1/2"	ROUGH-IN BOX (GUY GRAY NO. BIM875) WITH 5-MICRON CARTRIDGE TYPE FILTER HOUSING.
HB-1	-	-	-	-	3/4"	INTERIOR HOSE BIBB.
HB-2	-	-	-	-	3/4"	FREEZE PROOF WALL HYDRANT ON EXTERIOR OF BUILDING.
FD-1	-	4	2	-	-	FLOOR DRAIN IN FINISHED AREA.
FD-2	-	4	2	-	-	FLOOR DRAIN IN MECHANICAL ROOM.
FS-1	-	4	2	-	-	12" X 12" FLOOR SINK WITH 1/2 GRATE.
FS-2	-	4	2	-	-	12" X 12" FLOOR SINK WITH 3/4 GRATE.
FS-3	-	4	2	-	-	12" X 12" FLOOR SINK WITH FULL GRATE.
TD-1	-	4	2	-	-	TRENCH DRAIN.

WATER SOFTENER SCHEDULE

MARK	TYPE	MAXIMUM GRAIN PER DAY REMOVAL	RESIN CAPACITY (CUBIT FEET)	PEAK FLOW (GPM @ 25PSI)	INCOMING HARDNESS	DISCHARGE HARDNESS	WORKING PRESSURE	BACKWASH (GPM)	BRINE CAPACITY (LBS.)	REMARKS
WS-1	TWIN ALTERNATING	90,000	3.0	30	10 GRAINS	0 GRAINS	75 PSI	5	400	WATERTECH SERVICES WTS F-90-2T

GAS FIRED WATER HEATER SCHEDULE

MARK	STORAGE (GALLONS)	RECOVERY RATE @ 100 DEGREE F (GALLONS/HR)	STORAGE TEMPERATURE (DEGREES F)	GAS INPUT (CFH)	DIMENSIONS			ELECTRICAL DATA			REMARKS	
					HEIGHT	LENGTH	DEPTH	VOLTS	PHASE	HERTZ		INTAKE & EXHAUST SIZE
WH-1,2	500	360	140	300	6'-2"	8'-5"	3'-10"	208	1	60	4"	HAMILTON EVO (2) HW 299

PUMP SCHEDULE

MARK	SERVICE	TDH (FEET)	FLOWRATE (GPM)	ELECTRICAL DATA					REMARKS
				HP EACH	RPM	VOLT	PHASE	HERTZ	
FP-1	FIRE PUMP	140	550	40	1770	460	3	60	AURORA. NO. 4-481-15
JP-1	JOCKEY PUMP	154	5	1	3450	460	3	60	AURORA MODEL 391
DWP-1	DOMESTIC WATER	155	65 EA. (2)	5 (2)	3450	460	3	60	GRUNDFOS NO. CRE 10-05 (2)
SP-1	ELEVATOR SUMP	30	50	1/2	3450	115	1	60	HYDROMATIC NO. SHEF 50
HWC-1	HOT WATER CIRC.	20	4.5	1/6	3450	115	1	60	GRUNDFOS NO UP26-96F

ELECTRIC INSTANTANEOUS WATER HEATER SCHEDULE

MARK	TEMPERATURE RISE TEMP / FLOW RATE	ELECTRICAL DATA				DIMENSIONS (INCHES)			REMARKS
		KW	VOLTS	PHASE	HERTZ	HEIGHT	WIDTH	DEPTH	
EIWH-1	70 DEGREES F AT 1.5 GPM	15	277	1	60	11	6	3	EEMAX MODEL EX160TC

NOTE: FACTORY PRE-SET DISCHARGE TEMPERATURE: 140 DEGREES F.

EXPANSION TANK SCHEDULE

MARK	VOLUME (GALLONS)	DIMENSIONS (INCHES)		SYSTEM CONNECTION	REMARKS
		DIAMETER	HEIGHT		
ET-1	30	16	45	DHW	AMTROL AX-60V

HEAT TRACING PANEL SCHEDULE

MARK	MAXIMUM CIRCUIT LENGTH	ELECTRICAL DATA			
		VOLTS	PHASE	HERTZ	AMPS
HTP-1	470'	277	1	60	40
HTP-2	400'	277	1	60	40

SHOCK ARRESTOR SCHEDULE

SYMBOL	FIXTURE UNIT	PIPE SIZE	ZURN SHOCK STOP NUMBER
(A)	1-11	1/2"	100
(B)	12-32	3/4"	200
(C)	33-60	1"	300
(D)	61-113	1"	400
(E)	114-154	1"	500
(F)	155-330	1"	600

NOTE: WHERE SYMBOL OCCURS ON THE PLUMBING PLANS OR PLUMBING DETAIL SHEETS, REFER TO ARRESTOR SCHEDULE ABOVE

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GENERAL NOTES

- A. ALL INVERTED ELEVATIONS ARE BASED OFF OF THE FINISH FLOOR SLAB OF THE FIRST FLOOR = 0'-0".

KEYED NOTES - P010

- 1. NATURAL GAS ENTRY, BY CENTERPOINT.
- 2. GAS METER, BY CENTERPOINT.
- 3. 6" SANITARY. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 4. 6" FIRE WATER ENTRY. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 5. 4" DOMESTIC COLD WATER ENTRY. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 6. SAMPLING WELL. RE: 11/P.900
- 7. GREASE INTERCEPTOR. RE: 11/P.900
- 8. 1" G TO EMERGENCY GENERATOR. RE: 2/P.402
- 9. SLEEVE PERIMETER BEAM. REFER TO STRUCTURAL DRAWINGS.
- 10. OIL/WATER SEPARATOR. RE: 6/P.901
- 11. 2-WAY CLEANOUT AT GRADE.
- 12. REFER TO P.100 FOR PIPING CONTINUATION.
- 13. SAMPLING WELL. RE: 6/P.901

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11/18/16



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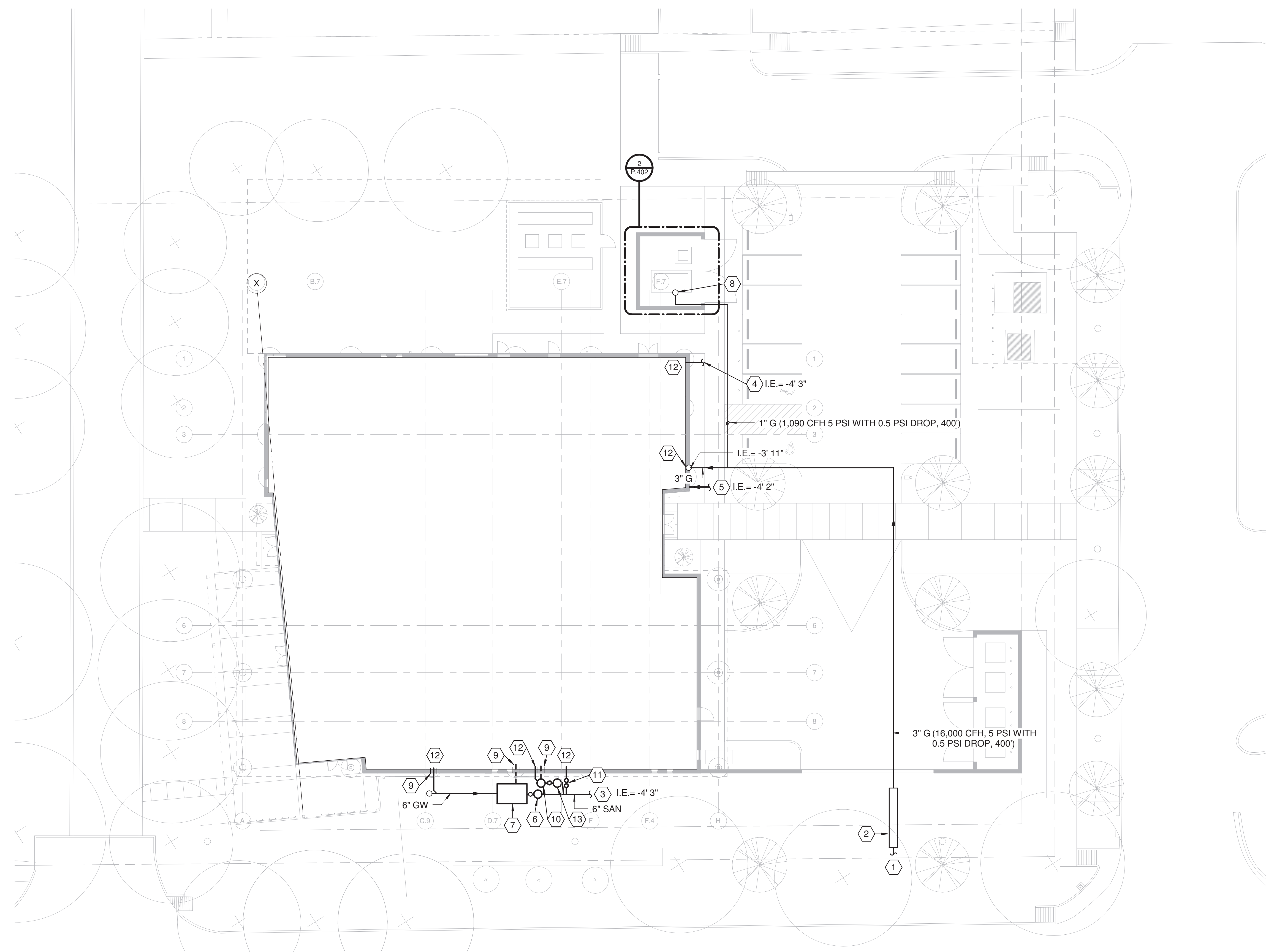


CULINARY ARTS CENTER
HOUSTON, TEXAS

DRAWN: PKL
CHECKED: SP
SCALE: 1/16" = 1'-0"
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1 PLUMBING SITE PLAN
1/16" = 1'-0"

1/16" = 1'-0"

P.010
214000169

Stantec Project:

ARCHITECTURAL ADDENDUM #04

Addendum Number Four (04)
PLANS AND SPECIFICATIONS FOR
Houston Community College – Culinary Arts Center
STANTEC Project No. 2140 00 169

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This document shall become attached to and part of the Construction Documents for the aforementioned project.

GENERAL

1. See also responses to proposer RFI in the QUESTIONS AND ANSWERS NO. 2 issued by HCC in conjunction with this addendum.

SPECIFICATIONS**04 20 00**

1. Section 2.1, A: Acme Brick of equivalent size, color and specification is an acceptable substitution for the Face Brick scheduled on Architectural drawings. Product must be source within 500 miles of the project site and qualify for LEED credits MR4 and MR5.

08 41 13

2. Arcadia's AG451 is an approved equal substitution for Aluminum-Framed Storefronts Manufacturers equivalent to the Basis-of Design.

08 87 23 - IMPACT RESISTANT GLAZING FILM

3. Specification Section is added in its entirety.

08 91 00

4. Section 2.3 COMPONENTS, Item A: Wall Louvers is revised as Drainable Style.

10 14 00

5. Section 1.4 QUALITY ASSURANCE, Installer Owner Design Standards has been revised to read:

- a. Obtain a copy of the 2011 Signage and Graphics Standards, and follow all Owner graphic design standards listed therein for materials, fonts, logos, and other design criteria.

11 24 29

6. Section 2.1: Peak Fall Protection is an approved equal substitution for fall protection anchor systems.

DRAWINGS**Sheet AS.001**

1. List of alternates has been added to this sheet

Sheet AS.002

2. Added drawing titles for drawings relative to Alternate 1 (originally removed for Permitting)

Sheet A.131

3. Added louvered trellis on plan, alternate 1

Sheet A.601

4. Added notes clarifying Alternate 2

Sheet A.801

5. Revised brick selection and updated CMU selection info

Sheet A.831

6. Added sizes for student lockers

NUMBER OF ATTACHMENTS:

Specifications – 8.5" x 11" – 3 pages

Drawings – 42" x 30" – 6 sheets

END OF ADDENDUM NUMBER FOUR (04)

SECTION 08 87 23 – IMPACT-RESISTANT GLAZING FILM

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes installation of impact-resistant glazing film for certain exterior and interior glazing panels as indicated in the drawings.
- B. Related Sections:
 - 1. Section 08 80 00 - Glazing.
 - 2. Section 08 41 13 - Aluminum-Framed Entrances and Storefronts.
 - 3. Section 08 44 13 – Glazed Aluminum Curtain Walls

1.2 REFERENCES

- A. American Society of Civil Engineers
 - 1. ASCE-7 “Minimum Design Loads for Buildings and Other Structures”: Section 6.0 "Wind Loads."
- B. General Services Administration
 - 1. GSA “Standard Testing Method for Windows and and Glazing systems Subject to Dynamic Overpressure Loadings”.
- C. ASTM International:
 - 1. ASTM F-1642-04 “Standard Test Method for Glazing and Glazing systems Subjected to Airblast Loadings.”

1.3 PERFORMANCE REQUIREMENTS

- A. Glass Thickness: The Project glass pane thickness for glazing film application is 1/4” unless indicated otherwise. Exterior glazing panels are comprised of (2) 1/4” thick tempered panes separated by 1/2” gasketed seals for an overall insulated glazing unit thickness of 1”.
- B. Provide impact-resistant glazing film for single-pane and dual-pane insulated glass units as required to meet or exceed the following criteria:
 - 1. Wind Loads for Exterior Glazing:
 - a. As may be indicated, but not less than wind loads required by ASCE 7.
 - b. Probability of Breakage for Vertical Glazing: 8 lites per 1000 for lites set vertically or not more than 15 degrees off vertical and under wind action
 - 1) Load Duration: 3 seconds.
 - c. Maximum Lateral Deflection: For exterior glass supported on all 4 edges, provide thickness required that limits center deflection at design wind pressure to 1/50 times the short side length or 1 inch, whichever is less.

1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data:
 - 1. Glazing Films: Provide structural, physical, and thermal and solar optical performance characteristics, size limitations, special handling or installation requirements.

2. Perimeter Sealants, Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors where exposed.
 - C. Samples:
 1. Glass Panels: Submit two samples 12x12 inch in size, for each type of glazing film required, and each type of glass to receive glazing film, including spandrel and wire glass.
 2. Perimeter Sealant: Submit 12 inch long bead of proposed perimeter sealant.
 - D. Film Manufacturer's Certificate: Certify specified glass products including sealed insulating units, spandrel glass, tinted glass, low-E coated glass, and any fire-rated glass are appropriate products to receive glazing film and will not negatively affect glazing panel performance.
- 1.5 QUALIFICATIONS
- A. Installer: Company specializing in performing Work of this section with minimum three years' experience.
- 1.6 PRE-INSTALLATION MEETING
- A. Section 01 30 00 - Administrative Requirements: Pre-installation meeting.
 - B. Convene minimum one week before starting Work of this section.
- 1.7 ENVIRONMENTAL REQUIREMENTS
- A. Section 01 60 00 - Product Requirements.
 - B. Do not install glazing films or liquid glazing sealants when ambient and substrate temperature conditions are outside limits permitted by glazing sealant manufacturer or below 40 deg F.
- 1.8 WARRANTY
- A. Section 01 70 00 - Execution and Closeout Requirements: Product warranties and product bonds.
 - B. Furnish ten-year warranty to include coverage for glazing films from delamination, color change, optical transparency change, failure to provide impact protection within limitations as specified herein.

PART 2 - PRODUCTS

2.1 SYSTEM MANUFACTURERS

- A. Madico SafetyShield, Inc., St. Petersburg, FL, 526-277-8775, www.safetysield.com
- B. 3M *Ultra S800* as equal substitution. www.3M.com/windowfilm
- C. Substitutions: Section 01 60 00 - Product Requirements.

2.2 MATERIALS

- A. Glazing Film: High strength Mylar polyester, optically clear and without waviness or other distortion. Colorless or tinted as selected.
 1. Film: Minimum thickness 8 mils,
 2. Color: Clear

- B. Bonding Agent: Optically clear and colorless water-based water-thin aqueous mixture used for filling microscopic pores and valleys of the glass while providing enhanced bonding of film and adding measurable strength to the glass panel.
 - 1. Type: Manufacturer's Recommendation
- C. Applied system shall be odor-free and non-toxic after 72-hour cure time.
 - 1. Flame Spread: 0.
 - 2. Smoke Developed: 0.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify surfaces of glazing panels are clean, free of haze or visual distortion, dry, and ready to receive glazing.

3.2 PREPARATION

- A. Remove any glazing labels or protective tape or other markings on film application side of glazing panel. Replace any removed safety labels or tape on non-application side of glass.
- B. Clean contact surfaces with mild water-based solution, rinse thoroughly with clear potable water, and wipe dry.
- C. Ensure surfaces of glazing panels are clean, free of haze or visual distortion, dry, and ready to receive glazing film.

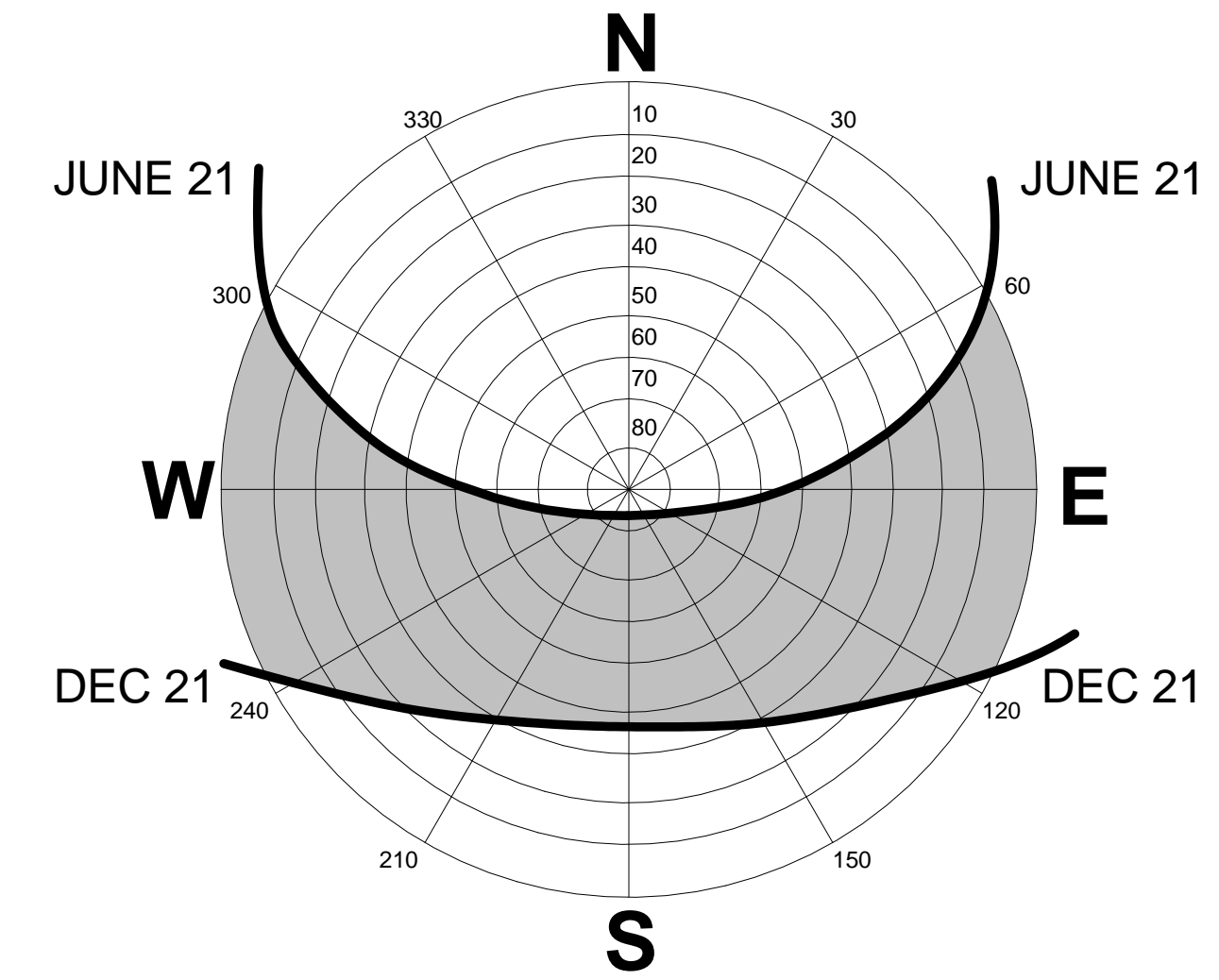
3.3 INSTALLATION

- A. Uniformly spray apply bonding agent to interior face of exterior glazing and to secure side of interior glazing.
- B. Apply film and use rubber-edged glazing squeegee to remove all excess liquid, air bubbles, wrinkles and other distortions.
- C. Trim film edges at intersection of glazing gasket/stop and glass panel, and squeegee edges along glazing gasket.
- D. Clean overspray of bonding agent and allow system to cure a minimum of 72 hours.
- E. Once system is fully cured, apply small bead of clear silicone sealant around perimeter of trimmed film at glazing gasket/stop.

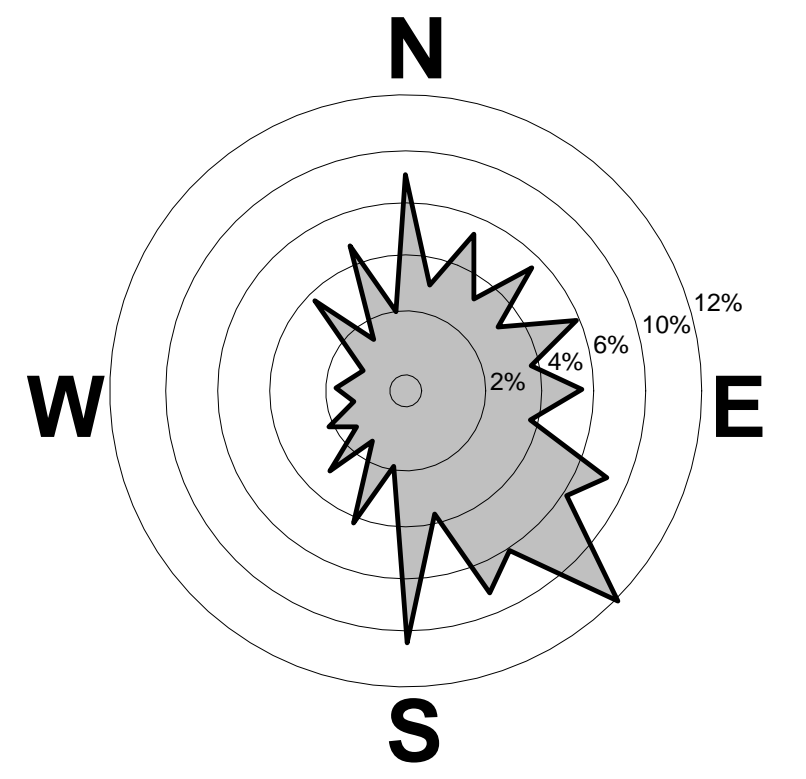
3.4 CLEANING

- A. Section 01 70 00 - Execution and Closeout Requirements: Final cleaning.
- B. Provide final cleaning and polishing of applied film.
- C. Do not remove any safety labels or tape from non-application side until removal is approved by General Contractor.
- D. Clean adjacent surfaces.

END OF SECTION

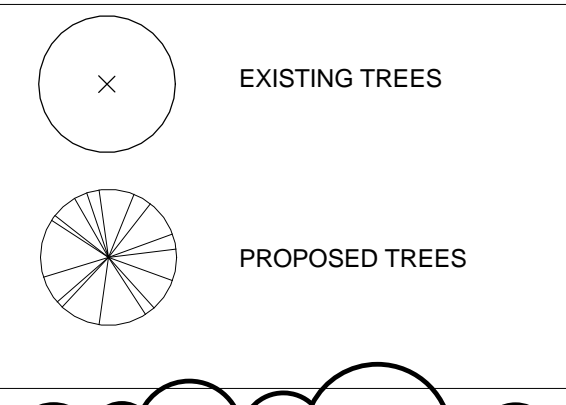


G1 SUN PATH DIAGRAM
1" = 1'-0"



G4 WIND ROSE
1" = 1'-0"

TREE LEGEND



ALTERNATES

ALTERNATE 1 - PREFINISHED ALUMINUM TRELLIS AT SOUTHWEST CORNER OF BUILDING, SEE AS.002

ALTERNATE 2 - BEAM AND BAFFLE CEILING SYSTEM AT MULTI-PURPOSE SPACE, SEE A.601

SITE PLAN KEYNOTES

- 1 EXISTING 9' X 8' PAD MOUNTED TRANSFORMER
- 2 EXISTING 8' X 7' PAD MOUNTED TRANSFORMER
- 3 FDC CONNECTION
- 4 NOT USED
- 5 MASONRY SCREEN WALL, 10'-0" HIGH
- 6 DUMPSTER ENCLOSURE, W/ 10'-0" HIGH GALV. MTL GATES
- 7 EXISTING POWER POLE TO REMAIN
- 8 MASONRY SCREEN WALL, 8'-0" W/ 8'-0" GALV. MTL GATES
- 9 PEDESTRIAN LIGHT POLES - O.F.C.I.
- 10 RAISED PLANTERS, RE: LANDSCAPE
- 11 PARKING SIGNAGE
- 12 COLD STORAGE REFRIGERATION SYSTEM RE: FOODSERVICE PLANS
- 13 ENTRANCE GRATE RE: AS/AS.003
- 14 REMOVE EXISTING BOLLARDS, COORDINATE & RETURN TO OWNER.
- 15 CONCRETE WHEEL STOP, TYP.
- 16 DOWNSPOUT
- 17 SITE LIGHTING, RE: MEP
- 18 GREEN SCREEN RE: LANDSCAPE

SITE PARKING INFORMATION

CODE:
CITY OF HOUSTON MUNICIPAL PARKING CODE

DESIGNATION: PER SECTION 26-432 CLASS 5 - RELIGIOUS & EDUCATIONAL

SECTION:
D - COLLEGE, UNIVERSITY, OR TRADE SCHOOL

REQUIREMENTS
1.0 PARKING SPACE PER EVERY 3 EMPLOYEES
1.0 PARKING SPACE FOR EVERY 5 STUDENTS
NOT RESIDING ON CAMPUS

OCCUPANT LOADS:

EMPLOYEE	SPACES
1500	500
STUDENT	SPACES
16000	3200

TOTAL SPACES REQUIRED: 820

TAS SECTION 208 REQUIREMENTS
501 to 1000 = 10 ACCESSIBLE SPACES
VAN REQ = 1 PER 6 ACCESSIBLE SPACES

SPACES PROVIDED:

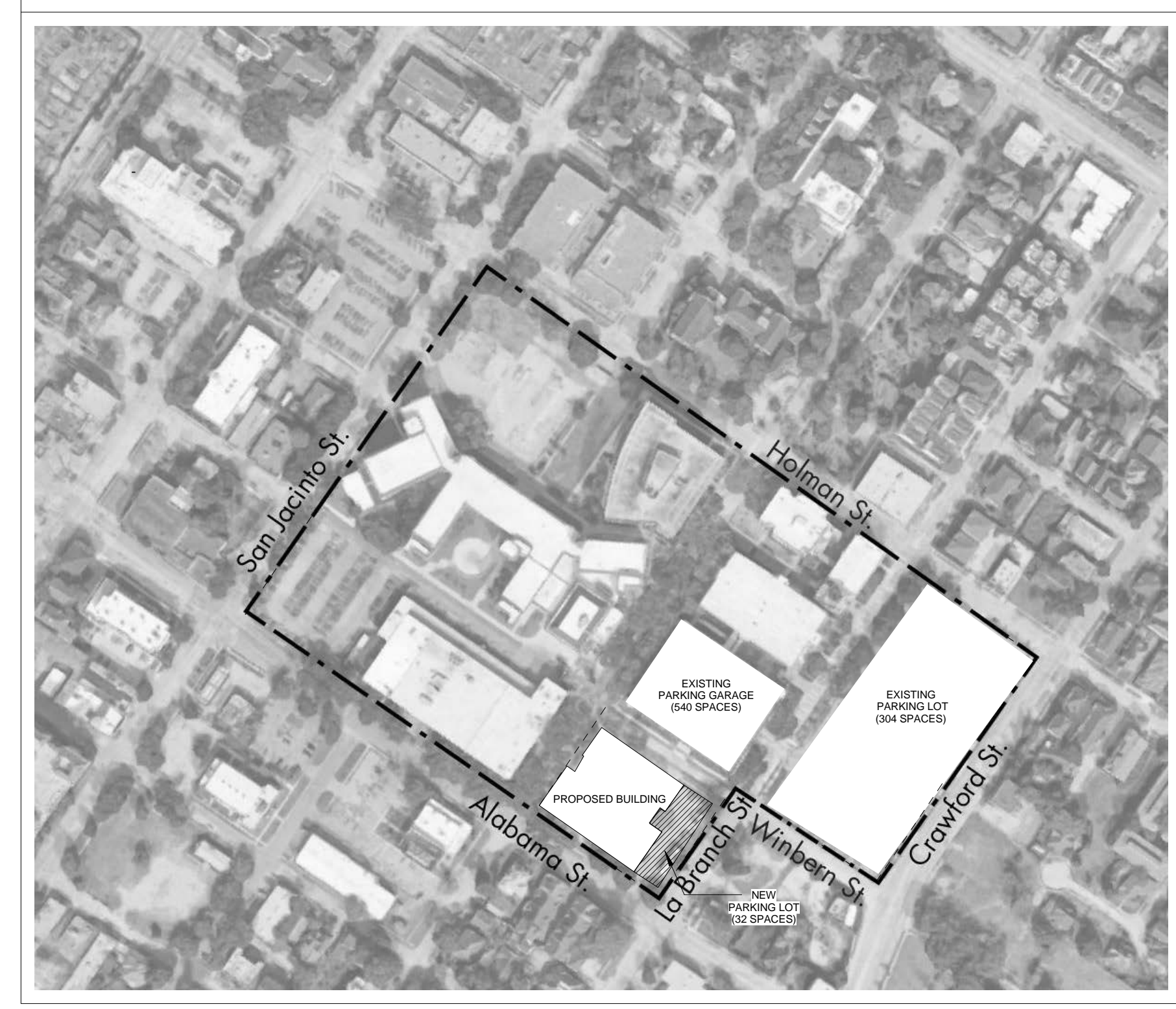
NEW STANDARD SPACES 9'x19'	2
VAN ACCESSIBLE SPACES	13
TOTAL	15

***HCC CENTRAL CURRENTLY HAS 2,098 PARKING SPACES ON CAMPUS. THE CLOSEST ALTERNATIVE PARKING SPACE IS A GARAGE (227 AWAY) AND THE NEXT CLOSEST IS A SURFACE LOT APPROXIMATELY 300' AWAY**

SITE PLAN GENERAL NOTES

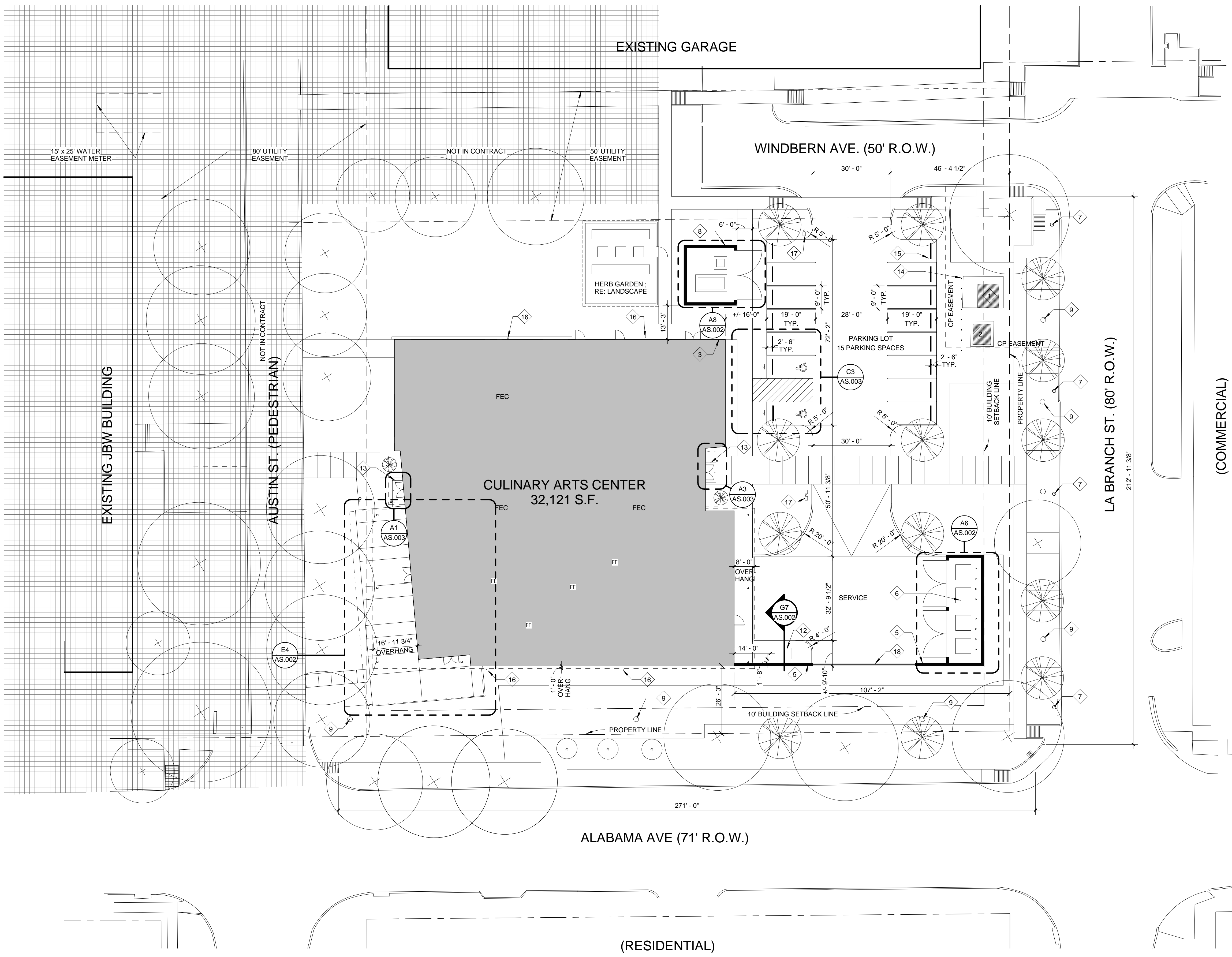
1. REFER TO CIVIL AND LANDSCAPE DOCUMENTS FOR ADDITIONAL INFORMATION
2. PROVIDE 1/2" EXPANSION JOINTS WITH NON-EXTRUDING COMPRESSIBLE FILLER AND TRAFFIC GRADE NON-TRACKING SEALANT WHERE PAVEMENT MEETS WITH BLDG. STRUCTURES, TYP.
3. ALL CURB RADI SHALL BE 5'-0" TO FACE OF WALK, TYP., U.O.N. - REFER TO CIVIL DRAWINGS
4. ALL SIDEWALK RADI SHALL BE 5'-0" TO FACE OF WALK, TYP., UNLESS OTHERWISE NOTED (U.O.N.).
5. SIDEWALKS ARE 5'-0" WIDE, TYP., U.O.N. AT ALL STREETS, REF - CITY OF HOUSTON STANDARDS. FOR DISTANCES FROM CURB TO SIDEWALK ALL OTHER SIDEWALKS SHALL BE AS SHOWN.
6. ALIGN AND/OR CENTER SIDEWALKS ON BLDG OPENING, TYP., U.O.N.
7. REPAIR OR REPLACE ALL EXISTING SIDEWALKS AND PAVING TO REMAIN THAT HAS BEEN DAMAGED DUE TO WORK UNDER THIS CONTRACT.
8. PROTECT ALL EXISTING PLANTING TO REMAIN FROM DAMAGE DUE TO WORK UNDER THIS CONTRACT.
9. ALL AREAS OF CONSTRUCTION SHALL BE FENCED AND SECURED THROUGHOUT THE PROJECT DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE EXTENT OF FENCING REQUIRED DUE TO STAGING AREAS, JOB SITE TRAILER LOCATIONS, ETC., VERIFY WITH ARCHITECT.
10. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY & STATE STANDARD DETAILS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS BEFORE WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
11. ALL PIPE SLEEVES FOR LANDSCAPE IRRIGATION & ELECTRICAL CONDUIT SHALL BE SCHEDULED 40 PVC, U.O.N., AND SET IN PLACE 15' MIN BELOW PAVEMENT. SLEEVE SHALL BE SET AFTER SUB GRADE HAS BEEN COMPLETED. ALL SLEEVES UNDER PAVING SHALL BE MARKED PERMANENTLY WITH A 1/4" X 1" LONG BRASS PHILLIPS HEAD SCREW PLACED IN THE TOP OF THE CURB AT EACH SIDE OF THE PAVING AT THE EXACT LOCATION OF THE SLEEVES.
12. ALL SIDEWALKS SHALL HAVE 5'-0" X 5'-0" SAWCUTS (U.O.N.) CONTRACTOR TO SUBMIT DRAWINGS INDICATING LOCATION OF SAWCUT ITEMS FOR ARCHITECT APPROVAL.
13. REPAIR OR REPLACE ALL EXISTING ITEMS TO REMAIN, TO BE SALVAGED AND/OR RELOCATED THAT HAS BEEN DAMAGED DUE TO WORK UNDER THIS CONTRACT.

BUILDING CONTEXT



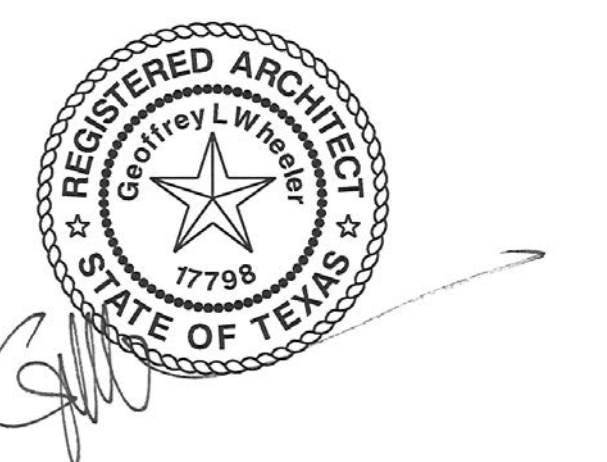
LEGAL DESCRIPTION

DESCRIPTION:
HOUSTON COMMUNITY COLLEGE CENTRAL CAMPUS RESTRICTED RESERVE A



A1 OVERALL SITE PLAN
1" = 20'-0"

Issue for Bidding
Geoffrey L. Wheeler



11/18/2016
Houston Community College



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HOUSTON, TEXAS

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SCALE: As indicated

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02/13/2017 Addendum 4

SHEET TITLE:
ARCHITECTURAL SITE PLAN

AS.001

Project #: 214000169

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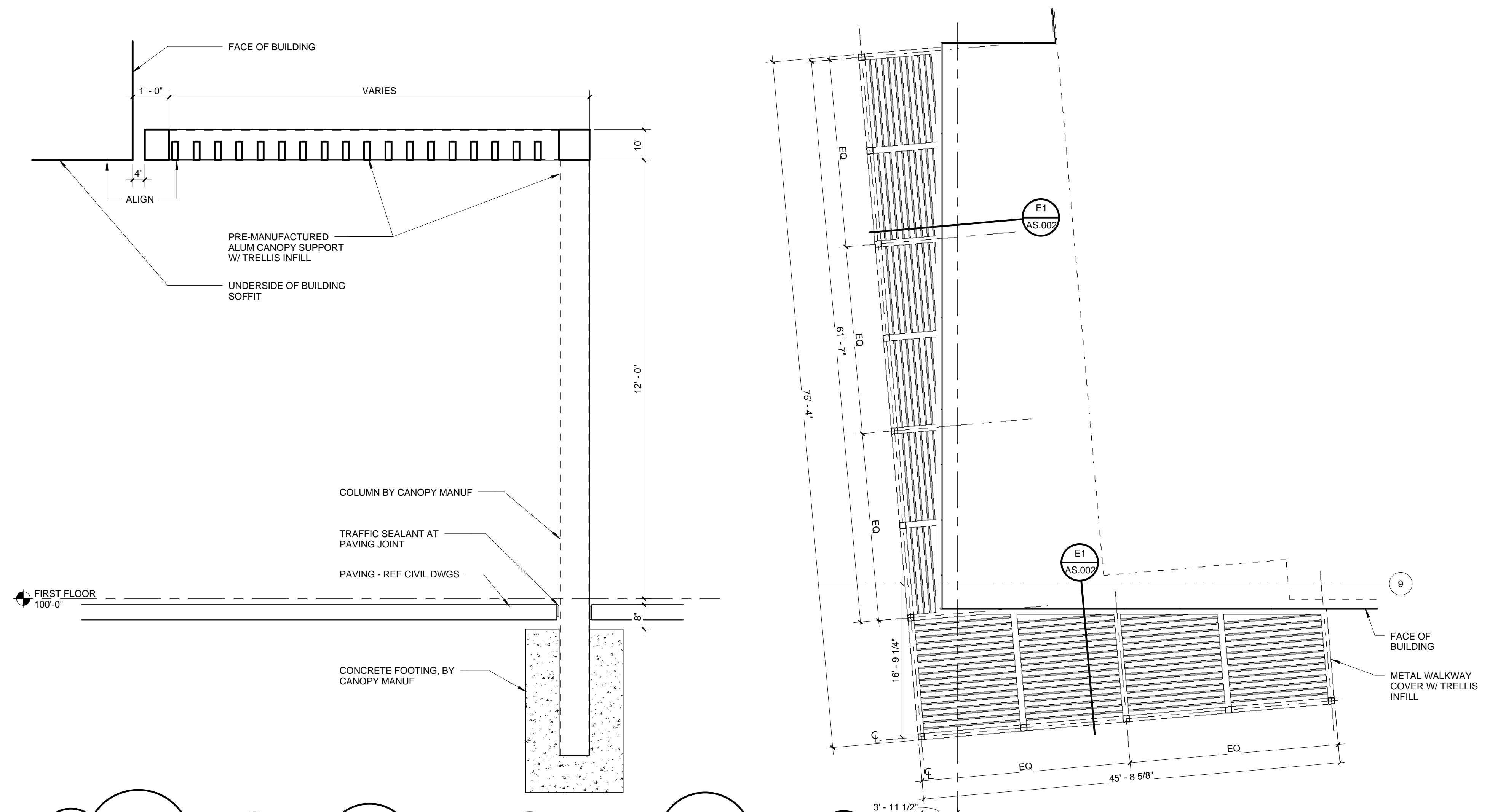
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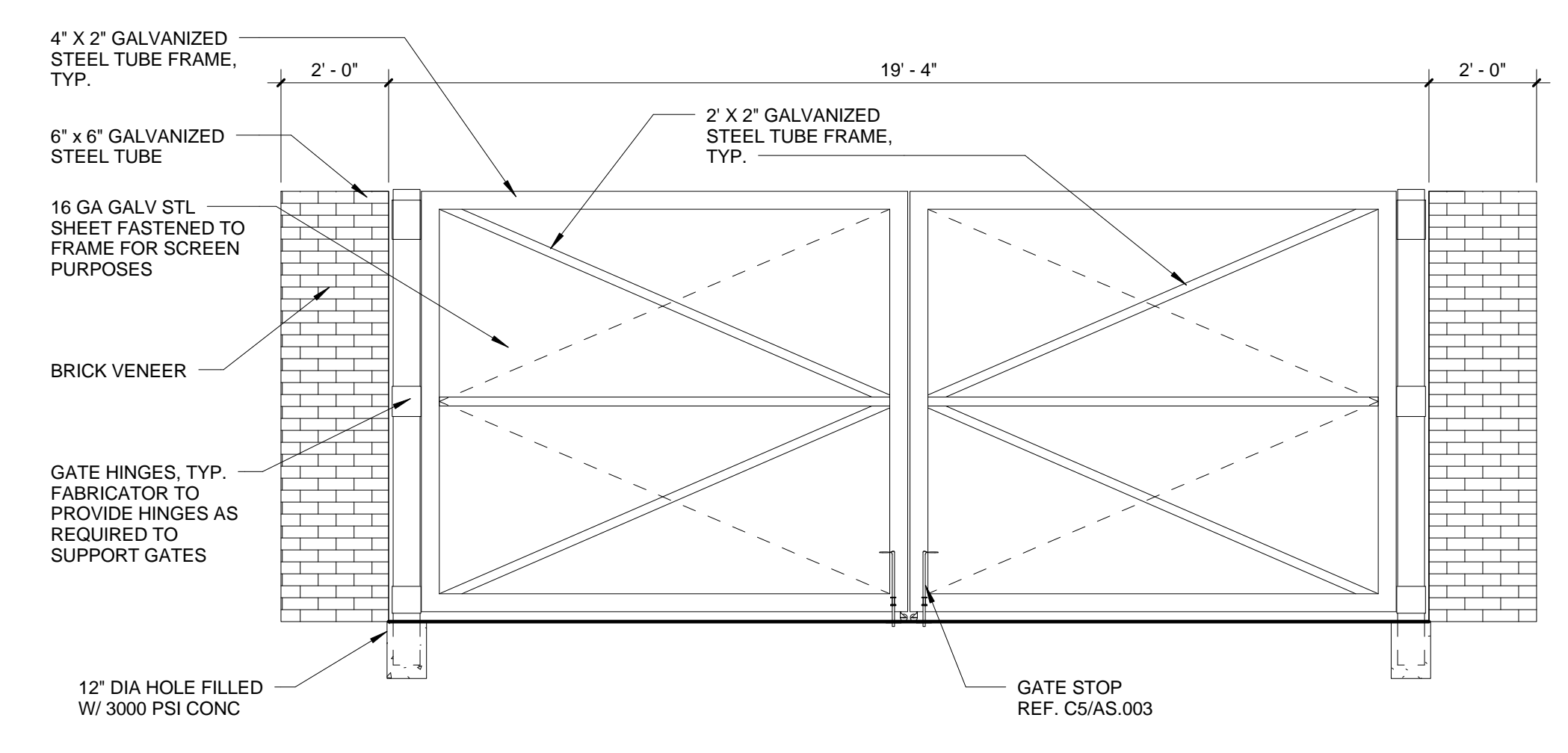
SHEET TITLE:
SITE DETAILS

AS.002

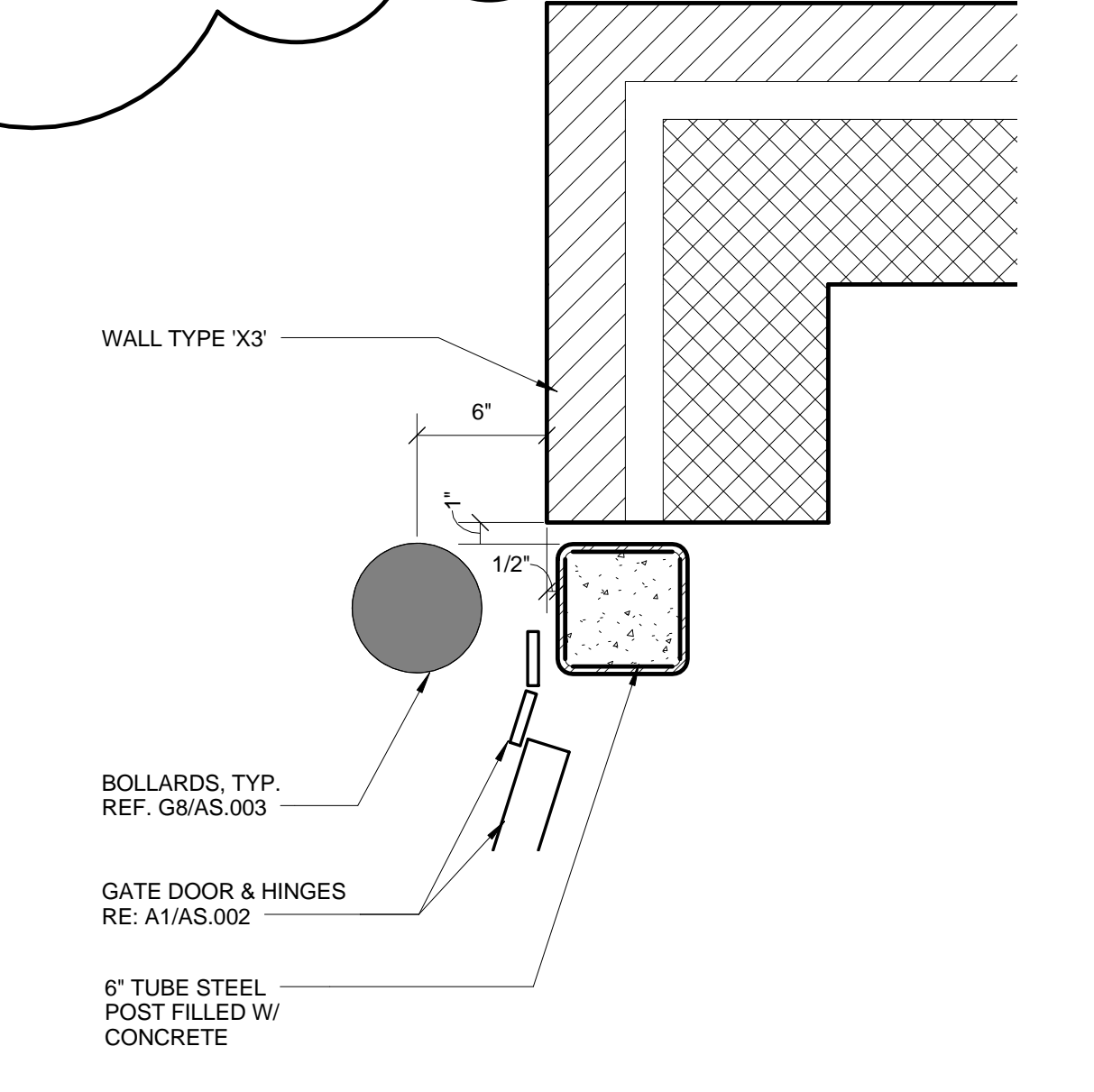


E1 TRELLIS SECTION - ALTERNATE #1
1/2" = 1'-0"

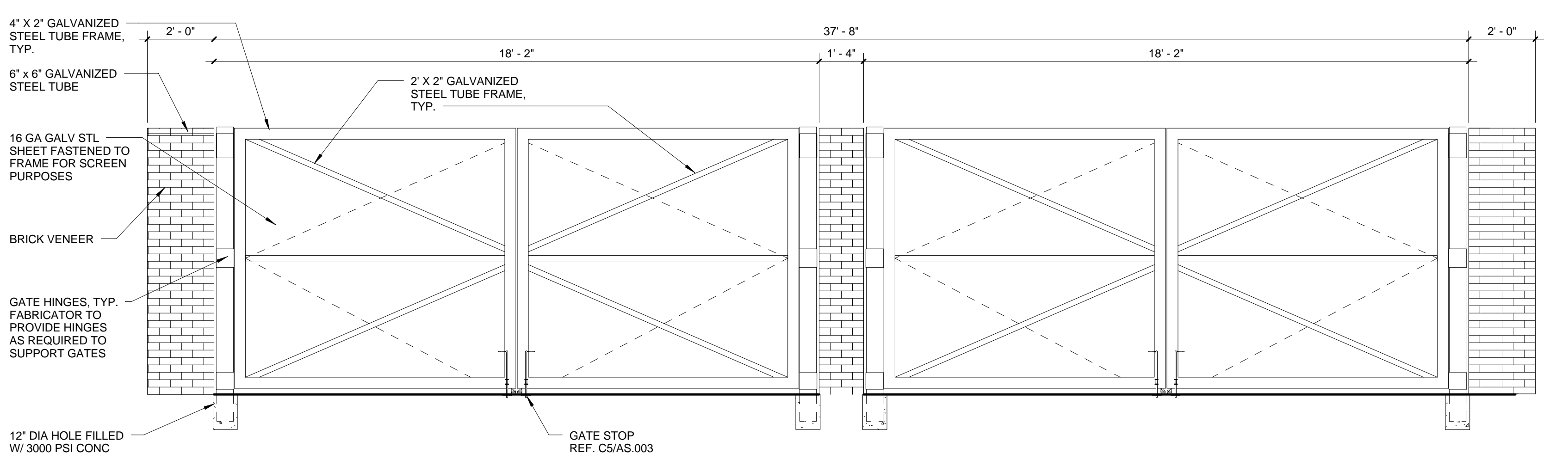
E4 ENLARGED TRELLIS PLAN - ALTERNATE #1
1/8" = 1'-0"



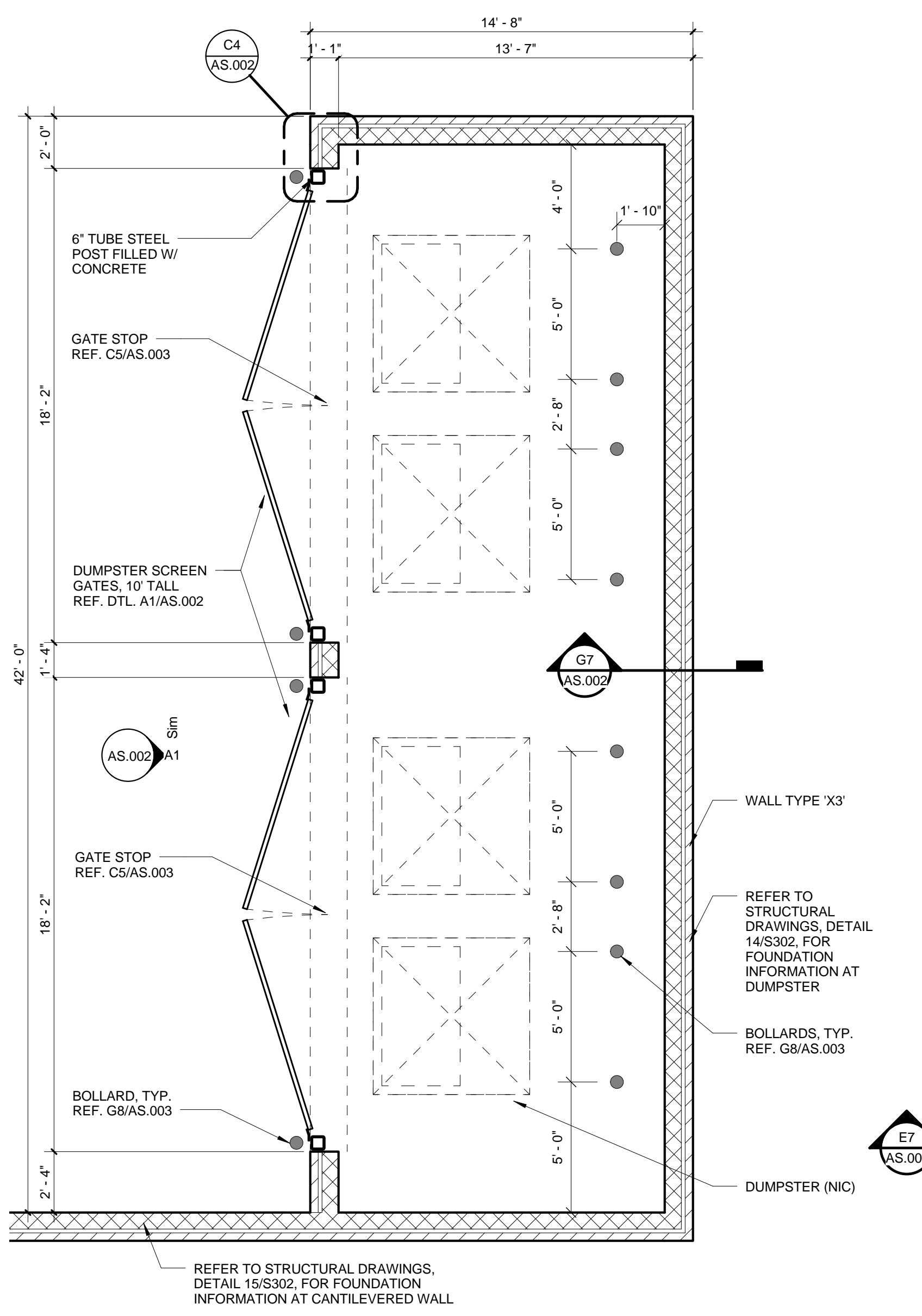
C1 MECHANICAL YARD GATE ELEVATION
3/8" = 1'-0"



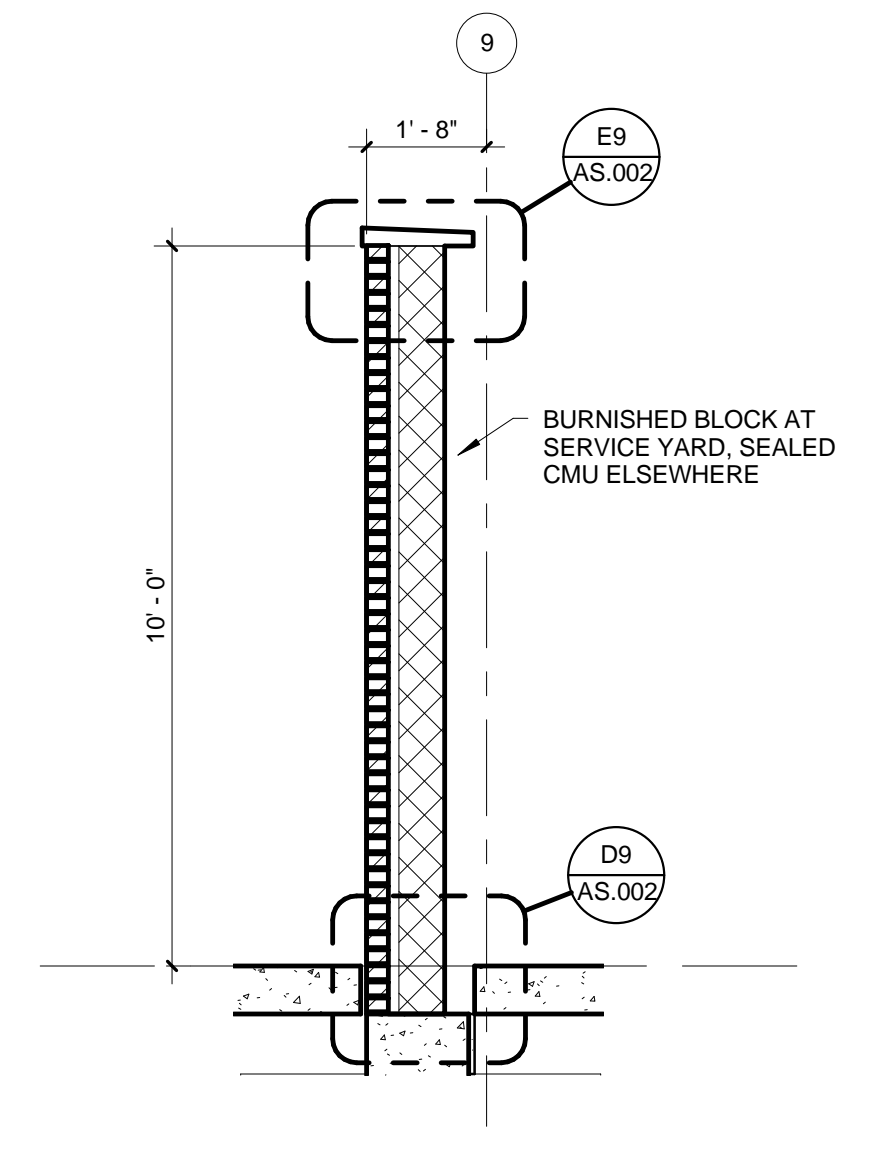
C4 DUMPSTER GATE CORNER POST DETAIL
1 1/2" = 1'-0"



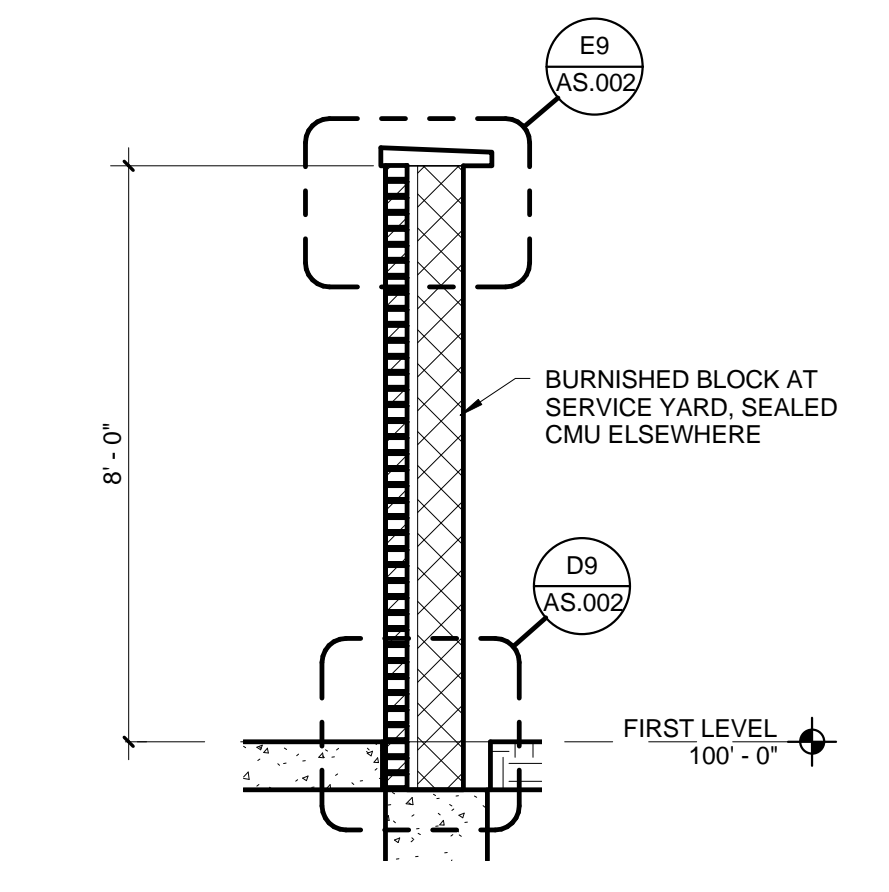
A1 DUMPSTER GATE ELEVATION
3/8" = 1'-0"



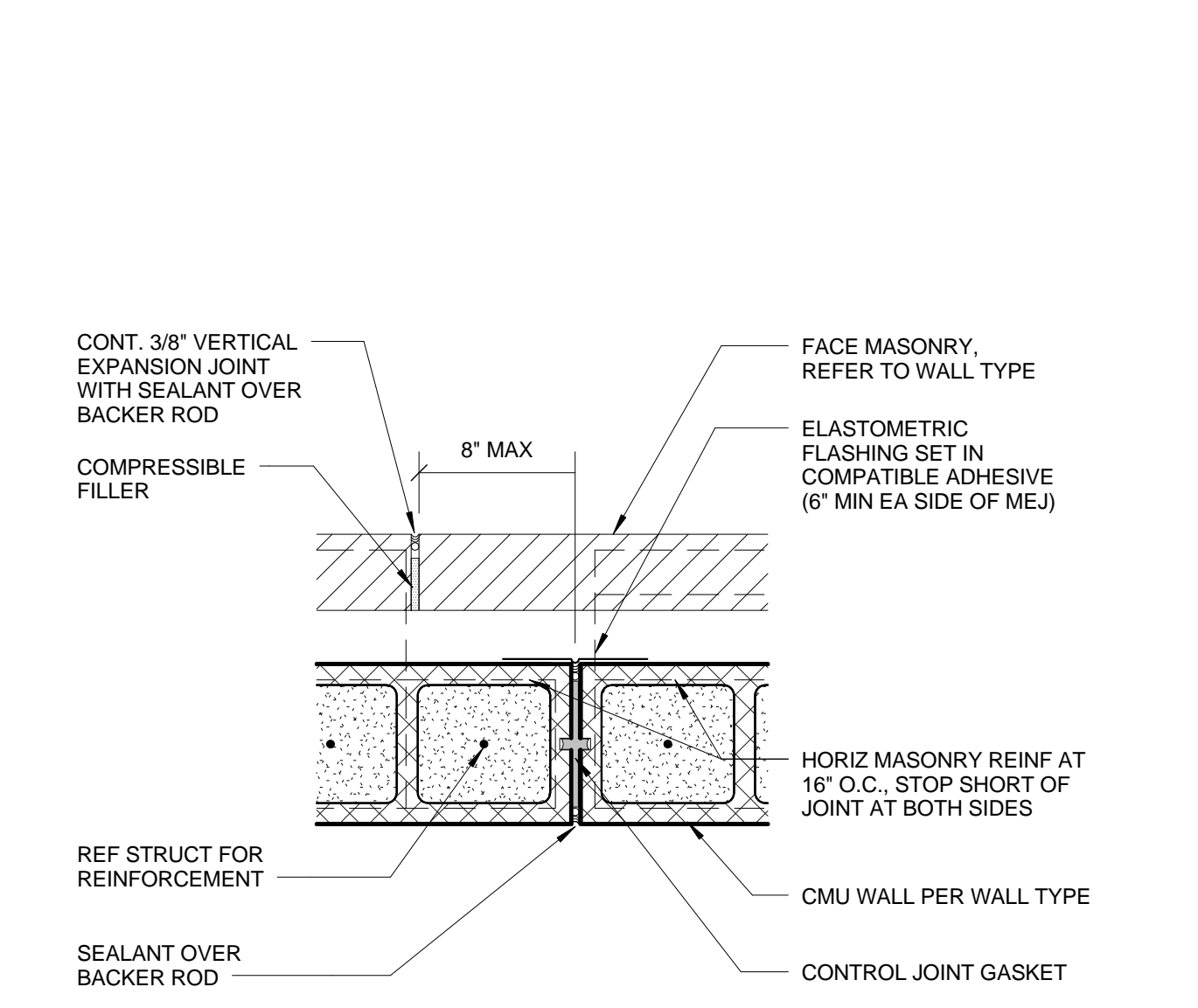
A6 DUMPSTER PLAN
1/4" = 1'-0"



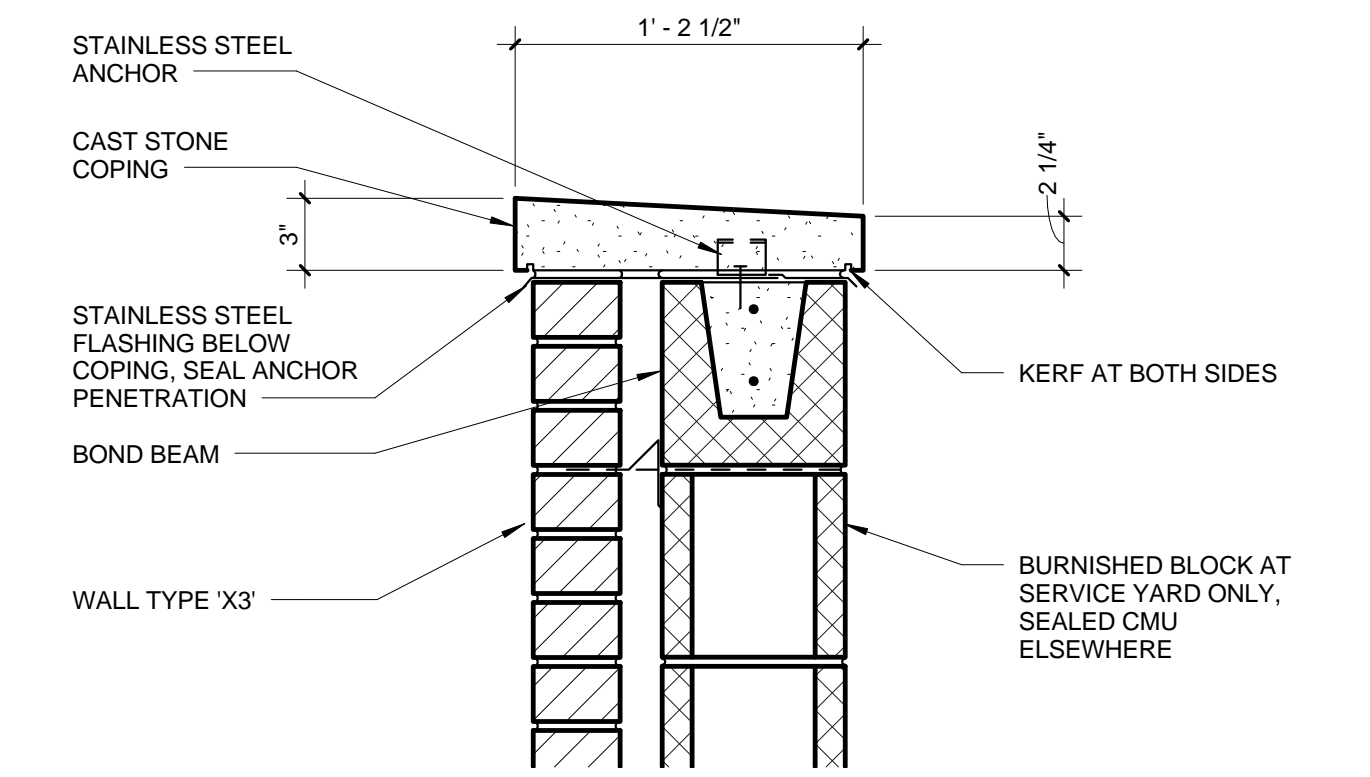
G7 WALL SECTION
3/8" = 1'-0"



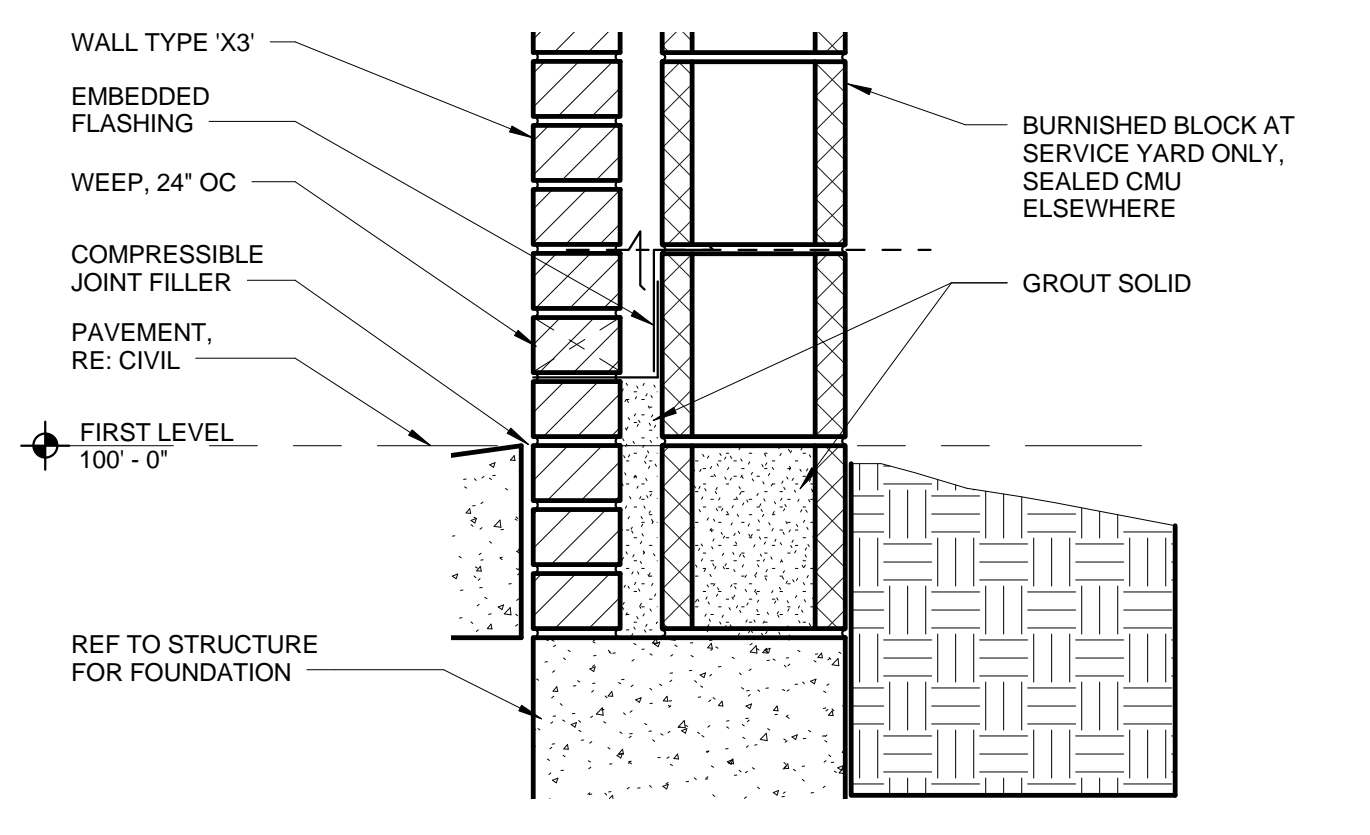
E7 WALL SECTION
3/8" = 1'-0"



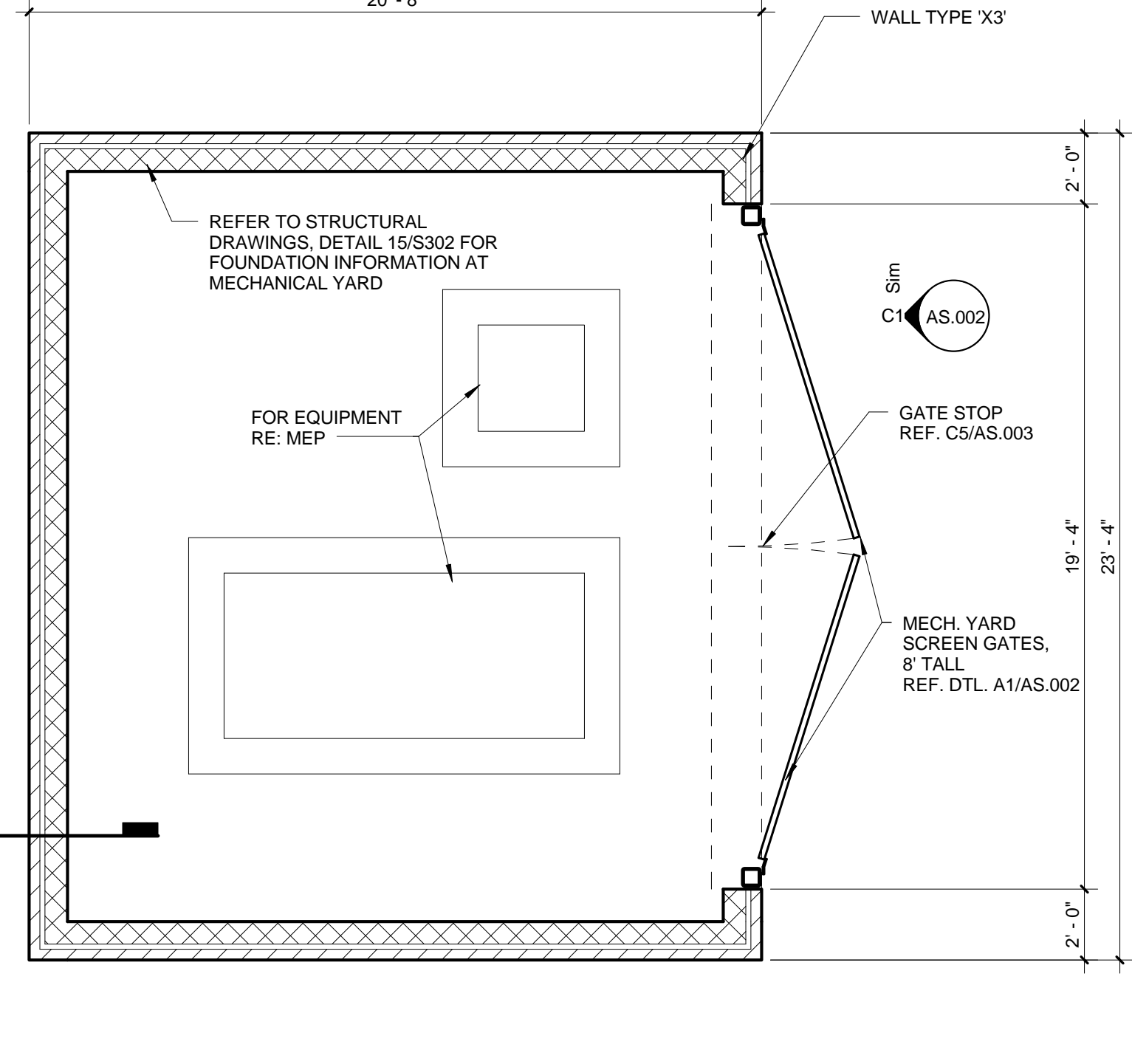
G9 CMU CONTROL JOINT
1 1/2" = 1'-0"



E9 SECTION DETAIL
1 1/2" = 1'-0"



D9 SECTION DETAIL
1 1/2" = 1'-0"



A8 MECHANICAL YARD
1/4" = 1'-0"

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ROOF PLAN KEYNOTES

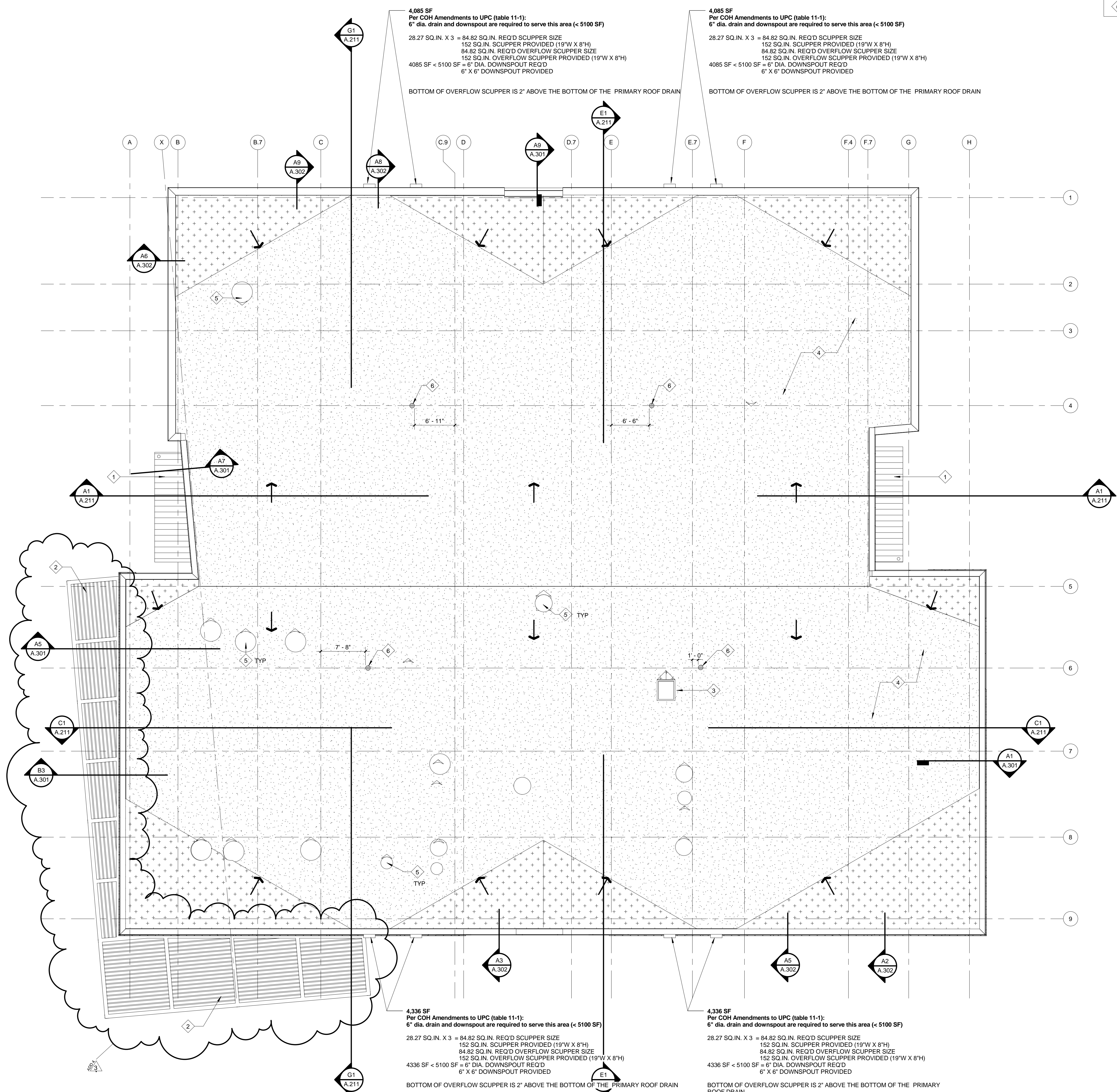
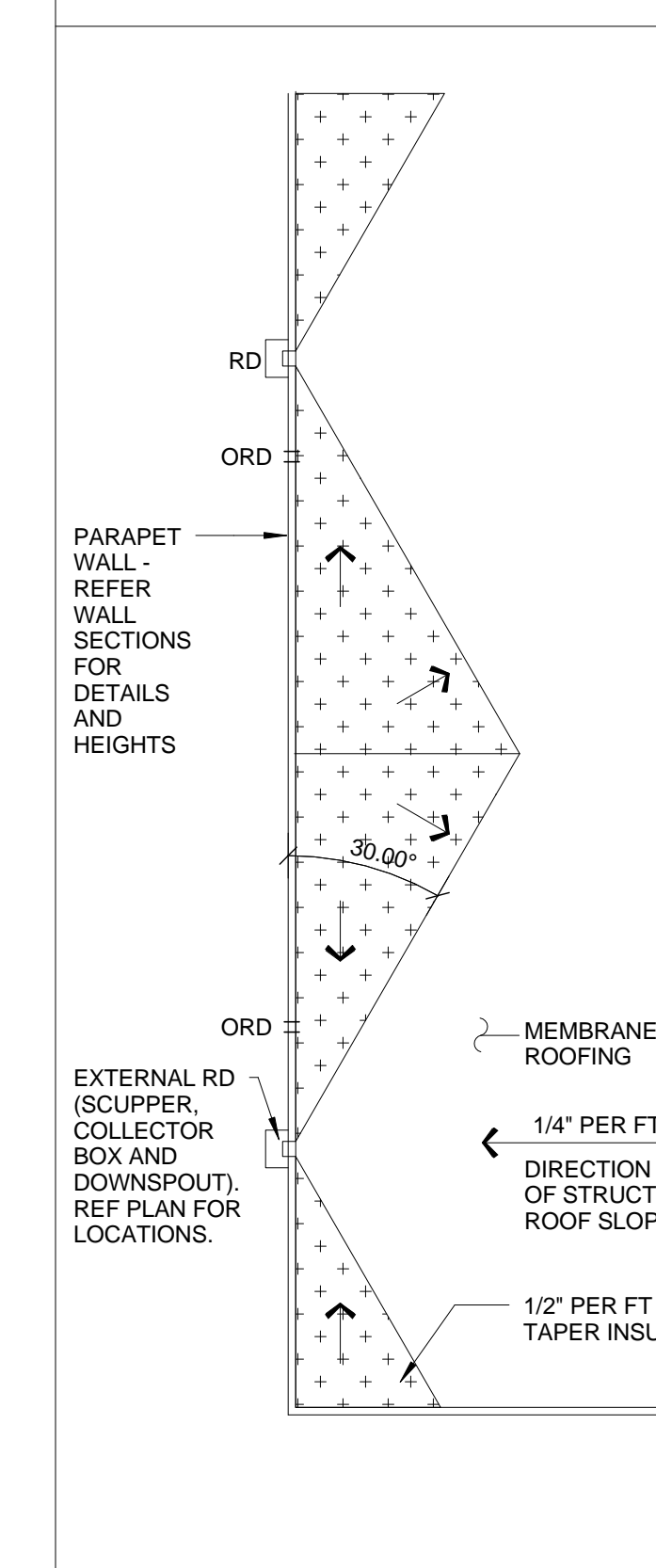
- 1 PRE-FINISHED CLEAR ANODIZED ALUMINUM CANOPY - OPEN DRAIN ON RIGHT SIDE AS INDICATED, TYP.
- 2 PRE-FINISHED CLEAR ANODIZED ALUMINUM CANOPY WITH TRELLIS TUBES, ALTERNATE 1
- 3 ROOF HATCH, PROVIDE DOOR POSITION SWITH PER SECURITY DWGS.
- 4 PROVIDE EQUIPMENT CURBS WITH INSULATED COVERS AT FUTURE FAN LOCATIONS, RE: MEP DWGS
- 5 EXHAUST VENT, RE: MEP
- 6 FALL RESTRAINT TIE OFF LOCATION, WELDED TO BEAM BELOW

LEGEND

- MECHANICALLY FASTENED SINGLE PLY - FLEECE BACK ELVALOY KEE ROOFING SYSTEM CLASS C, SCREW FASTEN THROUGH RIGID BOARD INSULATION INTO ROOF DECK - MINIMUM R-VALUE OF R-30, TYP. (MIN. 1/4" PER FOOT SLOPE IN DIRECTION OF ARROW)
- MECHANICALLY FASTENED SINGLE PLY - FLEECE BACK RIGID INSULATION BOARD CRICKETS - CRICKETS SHALL HAVE A TAPER OF 1/2" PER LINEAL FOOT TO COUNTER THE 1/4" ROOF SLOPE.
- DIRECTION OF ROOF SLOPE

- 1 REFER TO DRAWING A.311 FOR TYPICAL ROOF PENETRATION DETAILS.
- 2 ALL DIMENSIONS ARE FROM COLUMN / REFERENCE LINE TO CENTERLINE OF ROOF OPENING, UNLESS NOTED OTHERWISE. ROOF OPENING SIZES INDICATED ARE BASED ON A SPECIFIC MANUFACTURER'S EQUIPMENT, COORDINATE WITH MECHANICAL, PLUMBING AND / OR ELECTRICAL TRADE CONTRACTOR TO OBTAIN PURCHASED EQUIPMENT'S OPENING REQUIREMENTS.
- 3 REFER TO MEP DRAWINGS FOR ROOF TOP EQUIPMENT NOT SHOWN. MEP EQUIPMENT DEPICTED ON THIS DRAWING IS FOR GENERAL ARCHITECTURAL INFORMATION ONLY. REFER TO MEP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATION. REFER TO STRUCTURAL DOCUMENTS FOR EQUIPMENT SUPPORTS, REFER TO DRAWING A.311, MEP DRAWINGS AND STRUCTURAL DRAWINGS FOR CURB DETAILS.
- 4 PROVIDE WALKWAY PAD AT PIPE SUPPORT LOCATIONS, REFER TO MEP DRAWINGS FOR PIPE SUPPORT LOCATIONS AND TYPE. PAD SHALL BE MINIMUM 2' WIDER THAN SUPPORT IN ALL DIRECTIONS.
- 5 PROVIDE CONTINUOUS 36" WIDE WALKWAY PAD AT SERVICE SIDE OF ALL MECHANICAL EQUIPMENT WITH 2" SEPARATIONS BETWEEN PADS. REFER TO MEP DRAWINGS FOR NUMBER AND LOCATION OF ROOF TOP MECHANICAL EQUIPMENT. PROVIDE CONTINUOUS 36" WIDE WALKWAY PADS AROUND ROOF HATCHES WITH 2" SEPARATIONS BETWEEN PADS. PROVIDE 72" X 72" WALKWAY PADS AT TOP AND BOTTOM OF ACCESS LADDERS.
- 6 VENT STACKS AND OTHER PIPES REQUIRE A MINIMUM 12" CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

TYP NOTES AT ROOF EDGE/ SCUPPER LOCATIONS



A1 ROOF LEVEL PLAN
1/8" = 1'-0"

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11/18/2016
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CHECKED:
SCALE: **As Indicated**

ISSUE: **11/18/2016**
ISSUE FOR BIDDING

1	11/18/2016	Addendum 1
3	02/13/2017	Addendum 4

SHEET TITLE:
ROOF PLAN

A.131

Project #: 214000169

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REFLECTED CEILING PLAN KEYNOTES

- 1 2 HR CEILING ASSEMBLY, UL DESIGN # D503. RE: G.012 FOR DESIGN INFORMATION
- 2 NOT USED
- 3 NOT USED
- 4 GYP. BD BULKHEAD, TYP.
- 5 BEAM & BAFFLE CEILING SYSTEM THIS AREA, ALTERNATE 2
- 6 METAL WALL PANELS SOFFIT PERIMETER, MP-1

GENERAL CEILING NOTES

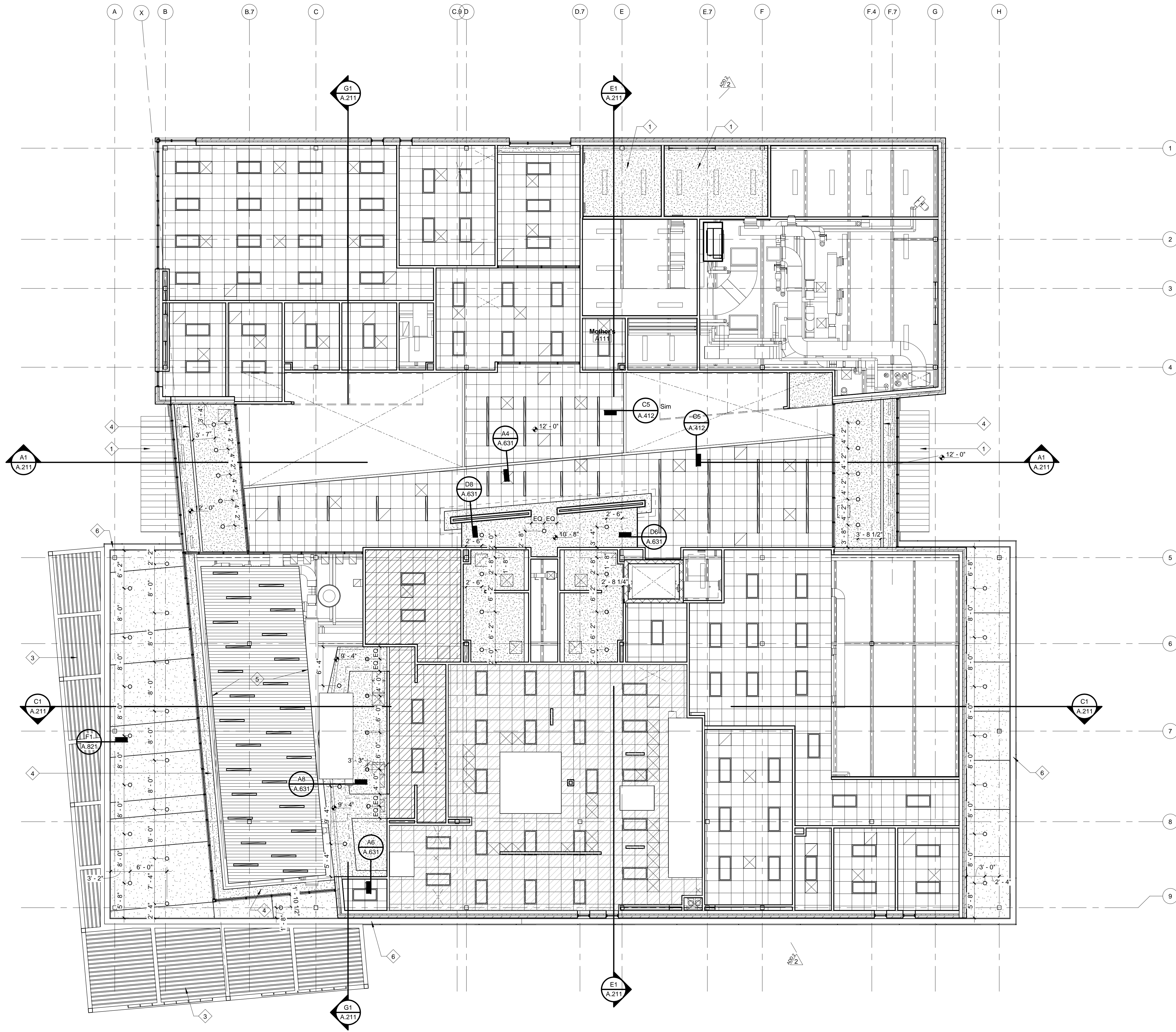
- 1 REFER TO FLOOR PLANS & INTERIOR ELEVATIONS FOR WALL MOUNTED FIXTURES & DEVICES, ETC.
- 2 REFER TO MECHANICAL, ELECTRICAL & TECHNOLOGY DRAWINGS FOR QUANTITY & TYPE OF CEILING MOUNTED FIXTURES & DEVICES, ETC.
- 3 ALL CEILING MOUNTED FIXTURES, DEVICES, ETC. ARE TO BE CENTERED WITHIN THE CEILING TILE UNLESS NOTED OTHERWISE.
- 4 THE TYPICAL HEIGHT FOR SUSPENDED CEILINGS SHALL BE 10' - 0" AFF UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH SCHEDULE FOR CEILING HEIGHTS.
- 5 THE TYPICAL HEIGHT FOR GYPSUM BOARD CEILINGS SHALL BE 10' - 0" AFF UNLESS NOTED OTHERWISE.
- 6 THE TYPICAL HEIGHT FOR GYPSUM BOARD BULKHEADS SHALL BE 9' - 6" AFF UNLESS NOTED OTHERWISE.
- 7 THE TYPICAL HEIGHT FOR GYPSUM BOARD SOFFITS SHALL BE 12' - 0" AFF UNLESS NOTED OTHERWISE. NOTE: GYPSUM BOARD PERIMETER SOFFIT HEIGHT IS GENERAL IN NATURE. THOSE ABUTTING GLAZING SYSTEMS ARE TO ALIGN WITH THE TOP OR BOTTOM OF MULLION AS INDICATED IN SECTION DETAILS.
- 8 UNDESIGNATED PAINTED GYPSUM BOARD SOFFITS & CEILINGS UNLESS NOTED OTHERWISE TO BE PAINTED 'PT-1'.
- 9 EXACT LOCATIONS FOR PROJECTOR MOUNTS & CEILING MOUNTED PROJECTION SCREENS ARE TO BE FIELD VERIFIED TO ACHIEVE THE OPTIMUM PERFORMANCE. COORDINATE WITH TECHNOLOGY TRADE CONTRACTOR.
- 10 FIELD VERIFY ALL BULKHEAD DIMENSIONS PRIOR TO CONSTRUCTION.
- 11 PROVIDE CONTROL JOINTS AT 30' - 0" OC MAXIMUM AT ALL GYPSUM BOARD BULKHEADS
- 12 ALL ACP-1 CLOUDS / PANEL TERMINATIONS TO RECEIVE 4" AXIOM PERIMETER.
- 13 REFER TO ELECTRICAL SHEET E.001 FOR LUMINAIRE SCHEDULE AND ELECTRICAL LIGHTING PLAN SHEETS FOR LIGHTING FIXTURE TYPES & LOCATIONS.

LIGHTING LEGEND

- 2 X 4 LIGHT FIXTURE
- CHAIN HUNG LIGHT FIXTURE
- LINEAR STRIP LIGHT FIXTURE
- DOWNLIGHT
- PENDANT LIGHT FIXTURE

CEILING PLAN LEGEND

- APC 1 - 2X2 ACOUSTIC PANEL CEILING
REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS (UNO)
- APC 2 - 2X2 ACOUSTIC PANEL CEILING
REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS (UNO)
- APC 3 - BEAM & BAFFLE SPECIALTY METAL CEILING SYSTEM (ALTERNATE 2)
REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS (UNO)
- GYPSUM BOARD BULKHEAD/CEILING - PAINTED
REFER TO FINISH SCHEDULE FOR MORE INFORMATION
- EXPOSED TO STRUCTURE ABOVE (PAINTED)
- PLASTER SOFFIT
- PREFINISHED ALUM CANOPY



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SCALE: As indicated

ISSUE: 11/18/2016
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2 01/23/2017 Addendum 2
3 02/13/2017 Addendum 4

SHEET TITLE:
FIRST LEVEL CEILING PLAN

A.601
Project #: 214000169

A1 REFLECTED CEILING PLAN - LEVEL 1
1/8" = 1'-0"

OWNER:
WALTER P. MOORE
101 ROCKNEY, SUITE 1100
HOUSTON, TX 77019
MANAGEMENT/P.E.
WALTERP@WALTERPMOORE.COM
713.588.8787

ARCHITECT:
SAYFON DESIGN GROUP
301 POET OAK ROAD, SUITE 420
HOUSTON, TX 77058
WEIANG.WANG@SDG.COM
713.588.8787

LANDSCAPE ARCHITECT:
CLARE CONDON ASSOCIATES
10411 STELLA LINK ROAD
HOUSTON, TX 77036
PAUL WEATHERS, ASLA, LEED AP
PWEATHER@CLARECONDON.COM
713.978.8822

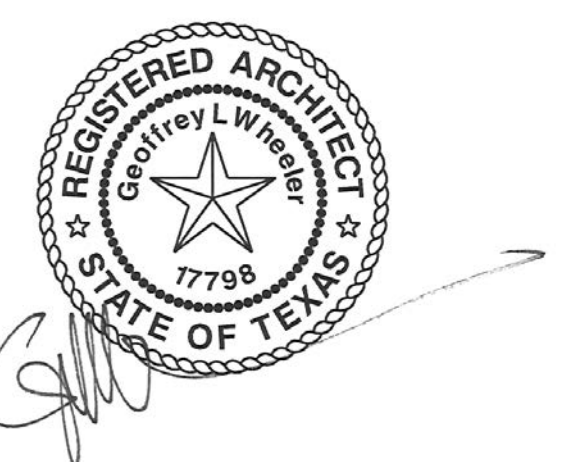
STRUCTURAL:
WALTER P. MOORE
101 ROCKNEY, SUITE 1100
HOUSTON, TX 77019
FERNANDO GONZALEZ
713.588.8787
F.TORREALVA@WALTERPMOORE.COM

MECHANICAL/ELECTRICAL/PLUMBING:
SMITH & ASSOCIATES, INC.
2825 WILCREST, SUITE 350
HOUSTON, TX 77058
JERRY H. HUGHES, P.E.
713.780.7503
JRH.HUGHES@SHASIAHSMITH.COM

GENERAL CONTRACTOR:
ROGERS MOORE ENGINEERS
3800 AUGUSTA, SUITE 800
HOUSTON, TX 77057
CLARE ROGERS, P.E.
713.420.5500
PROGERS@ROGERSMOORELLC.COM

FOOD SERVICE PROFESSIONALS:
FOOD SERVICE PROFESSIONALS
2026 GARDEN GROVE
MELISSA KRAUSE
381.960.2323
MKRAUSE@FOODSERVICE-FDP.COM

Issue for Bidding
Geoffrey L. Wheeler



11/18/2016
Houston Community College

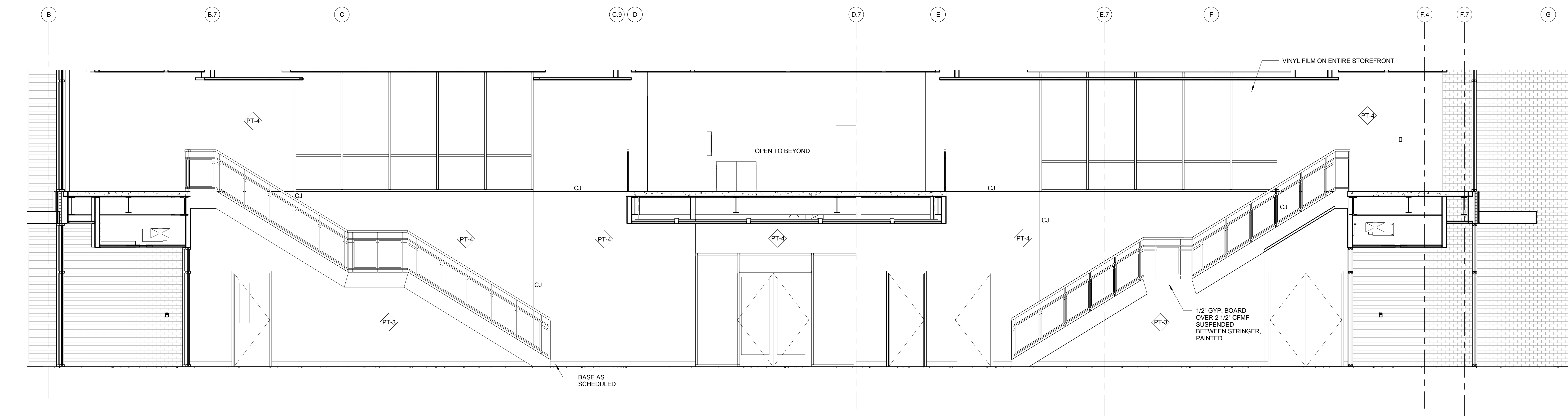


**CULINARY ARTS CENTER
HOUSTON, TEXAS**

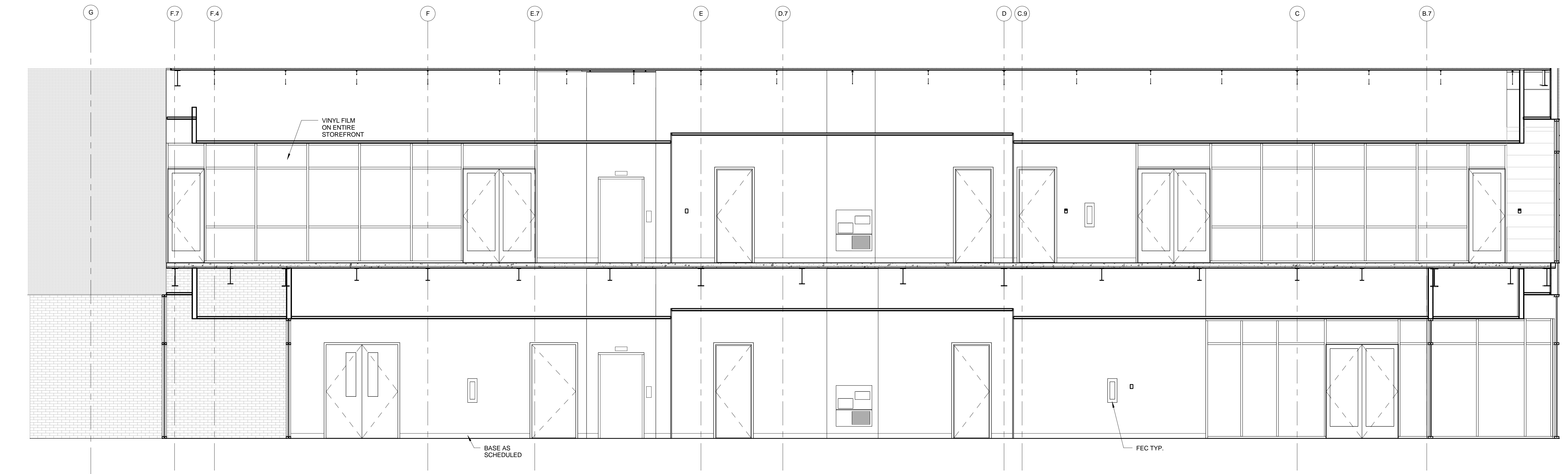
DRAWN:
CHECKED:
SCALE: As indicated

ISSUE: 11/18/2016
ISSUE FOR BIDDING

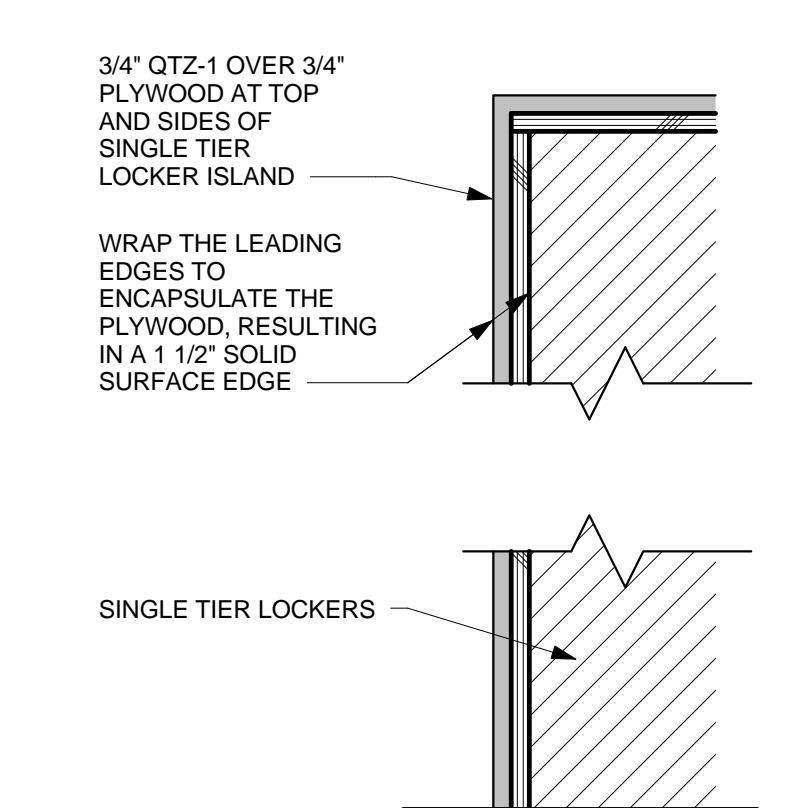
02/13/2017 Addendum 4



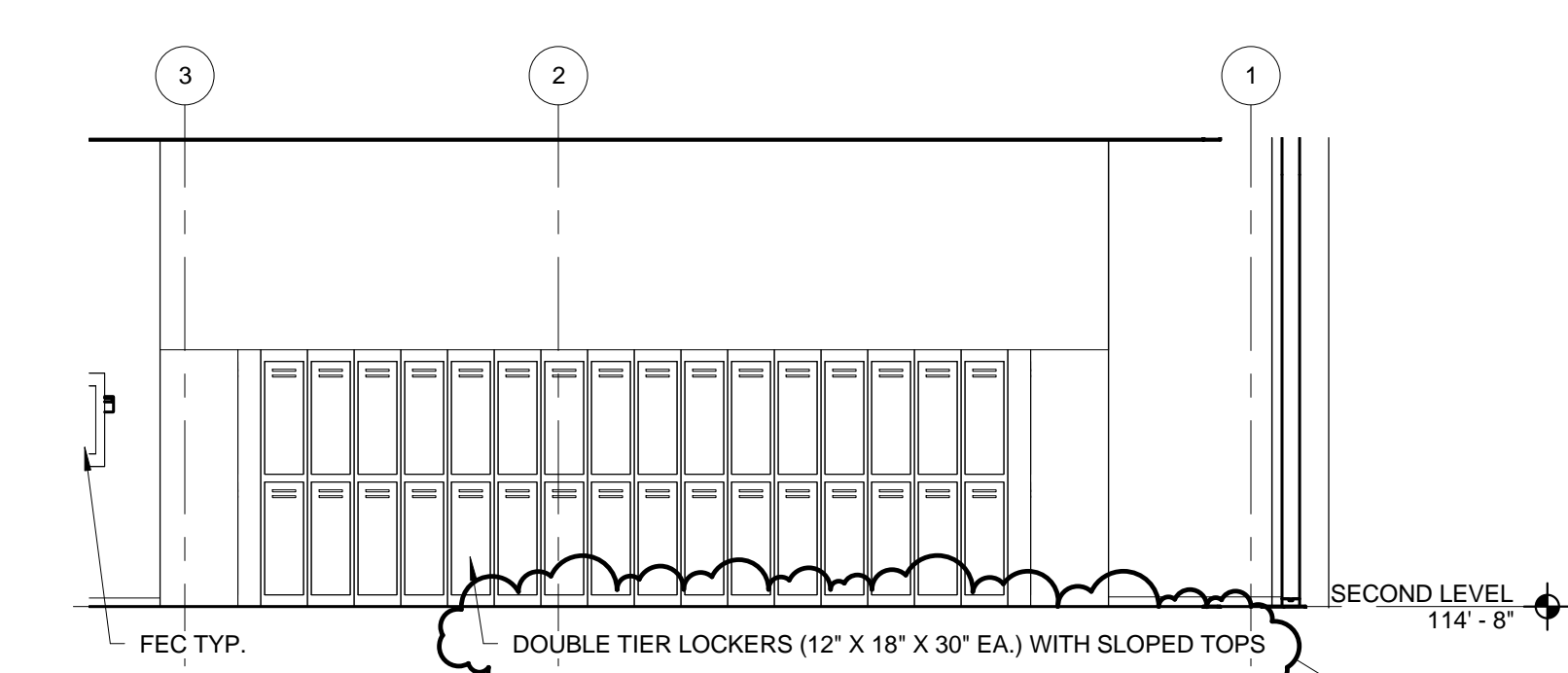
F1 INTERIOR ELEVATION
1/4" = 1'-0"



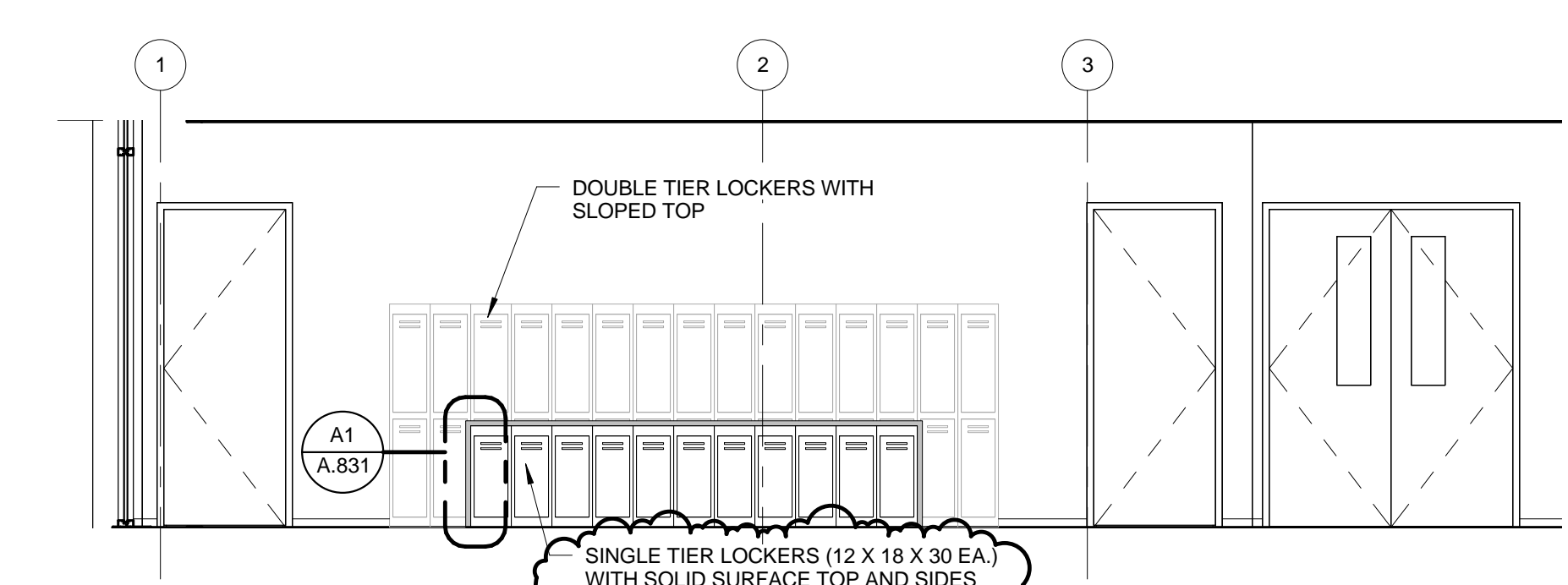
B1 INTERIOR ELEVATION 1
1/4" = 1'-0"



A1 LOCKER ISLAND DETAIL
1 1/2" = 1'-0"



A3 LOCKER ROOM ELEVATION
1/4" = 1'-0"



A6 LOCKER ROOM ELEVATION
1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

- 1 CJ = GYP. BOARD CONTROL JOINT
- 2 ALL PAINT TO BE PT-1 U.N.O

**SHEET TITLE:
INTERIOR ELEVATIONS &
DETAILS**

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