

ADDENDUM No.1

TO THE DRAWINGS AND THE PROJECT MANUAL

PROJECT NAME: BELL MANOR ELEMENTARY SCHOOL REPLACEMENT

CLIENT NAME: HURST-EULESS-BEDFORD I.S.D.

LOCATION: Euless, Texas

PROJECT NUMBER: 1906-01-01

PROPOSAL DATE: Thursday, January 15th, 2025

ADDENDUM DATE: Friday, December 12th, 2025

For additional information regarding this project, contact Mariana Flores,

<u>bidsdfw@joeris.com</u> – 817.204.0770



12/11/2025

THIS ADDENDUM INCLUDES:

Civil Items	00 Pages
Landscape Items	00 Pages
Structural Items	00 Pages
Architectural Items	04 Pages
Foodservice Items	03 Pages
Plumbing Items	02 Pages
Mechanical Items	00 Pages
Electrical Items	02 Pages
Technology Items	02 Pages

AND ALL ATTACHED REVISED DRAWING REFERENCES IN THE ADDENDUM



Client: HEB ISD Euless, Texas

Project Number: 1906-01-01



ARCHITECTURAL ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

- A. This Addendum shall be considered part of the contract documents for the above-mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original contract documents, this Addendum shall govern and take precedence.
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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 1, Arch. Item 1: To the Project Manual, Sections as listed below, Part 2 – Products;

Products listed herein are considered acceptable for conformance with the design concept of the project and general compliance with the information given in the contract documents. The manufacturer, supplier and installer are responsible for meeting all requirements given in the contract documents unless specifically noted in the written approval.

 To Section 04 2000, "UNIT MASONRY," Model CRIMSON IRONSPOT SMOOTH as manufactured by CLOUD CERAMICS.

AD No 1, Arch. Item 2: To the Project Manual, Section 00 2116, "INSTRUCTIONS TO PROPOSERS,"

1) General Note: Bid day is changed to Thursday, January 15th, 2026. Refer to Construction Manager at Risk for additional information.

DRAWINGS:

AD No 1, Arch. Item 3: To the Drawings, Sheet G2.01, "CODE ANALYSIS PLAN - LEVEL 1,"

1) Added note "PROVIDE A MAX. OCCUPANCY SIGN OF 49" TO CORRIDOR 3.05 outside of MUSIC 3.00.

AD No 1, Arch. Item 4: To the Drawings, Sheet A6.22, "CORRIDOR TREE DETAILS,"

1) Add sheet to the DRAWING SET.

AD No 1, Arch. Item 5: To the Drawings, Sheet A6.23, "LIBRARY TREE DETAILS,"

1) Add sheet to the DRAWING SET.

END OF ARCHITECTURAL ADDENDUM



Euless, Texas

Project Number: 1906-01-01



FOODSERVICE ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

To Section 11 4000, "FOODSERVICE EQUIPMENT,"

AD No 1, FS. Item 1: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #2, FLY FAN, delete the original specification and replace with the following:

ITEM # 2 FLY FAN: Provide one (1) Mars Air Systems model # STD248-1UA-OB*J088, Air Curtain, for 48" wide door, Unheated, (1) 1/6 HP motor, 115v/60/1-ph, Obsidian Black powder coated cabinet (Standard Production Color), cETLus certified including;

- A. Five (5) year parts warranty, standard.
- B. Indoor installation.
- C. One (1) model # 99-014*J088, Steel Mechanical Universal Surface-mounted Plunger/Roller Switch-

AD No 1, FS. Item 2: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #26, 2-BURNER RANGE W/ SPREADER CABINET, delete the original specification and replace with the following:

ITEM #26 <u>2-BURNER RANGE</u>: Provide one (1) Vulcan-Hart model #V2B12B Two Burner Range with Cabinet base, including:

- A. Two (2) 35,000 BTU/hr gas burners, with heavy duty cast grates.
- B. Stainless steel front, sides, back riser, cabinet door, shelf.
- C. Individual controls and pilots for each burner
- D. One (1) model single deck 10" high rear riser without shelf.
- E. One year limited parts and labor warranty.
- F. Provide each unit 6" stainles stseel legs with adjustable bullet feet.
- G. Provide Dormont model #16125KITS48 Safety System Moveable Gas Connector Kit, 3/4" inside diameter, 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, 1 Safety Quik QDV, 1 SwivelMAX, 1 set Posi-Set with hardware and coiled restraining cable with hardware, limited lifetime warranty



Euless, Texas

Project Number: 1906-01-01

AD No 1, FS. Item 3: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #29, COMBI OVEN (Qty.2), delete the original specification and replace with the following:

ITEM # 29

<u>COMBI OVEN</u>: Provide two (2) double deck Convotherm model #C4 ET6.20GS-N*J088, Maxx Pro series Combi Oven/Steamer, natural gas fired , boiler-free, stacked, six (6) 18" x 26" full size sheet or twelve (12) 12" x 20" full size hotel pan (1/1 GN) capacity, Easy touch control with 20 stages each & 399 recipe storage, four (4) cooking modes: hot air, steam, combi-steam, & retherm. LED lighting, triple pane right hinged door with anti-microbial handle, multi-point core temperature probe, five-speed auto reversing fan, three (3) wire shelves, pull out spray hose, hands free cleaning system.

- A. Three (3) years parts and labor warranty, ADD additional Twelve (12) month extended warranty to begin at the end of standard warranty and continue for twelve (12) additional months (net). It is the sole responsibility of the owner / operator / purchaser of this equipment to verify that the incoming water supply is comprehensively tested and, if required, provide a means of water treatment that would meet the compliance requirements with the manufacturers water quality standards published on the product spec sheet. Non-compliance with these minimum standards will potentially damage this equipment and/or components and VOID the original equipment manufacturers warranty.
- B. Provide FAS START UP mechanical startup for One (1) Convotherm oven by Convotherm authorized servicer when installation is NOT purchased, Includes 200 miles round trip.
- C. Provide FAS START UP Mechanical startup for each additional Convotherm oven by Convotherm authorized servicer when installation is NOT purchased.
- D. Provide four (4) C-START cleaner kits, including One (1) 2.5 gallon container of ConvoClean forte solution, One (1) 2.5 gallon container of ConvoCare solution and set of connectors and hoses – for each oven compartment.
- E. Model 11000-115830 Convotherm Pre-Installation site survey
- F. Model 11000115826 Installation of First Unit, and model 11000115827 Installation of additional units, three (3)
- G. Provide four (4) installation kits, DWV Copper
- H. Provide two (2) stacking kits installation
- I. Provide each unit with disappearing door option.
- J. Provide twelve (12) model 3055637 Baking/ Frying Baskets, half size 12"x20", wire, non-stick aluminum
- K. Provide twelve (12) total model CWR20 Wire shelf
- L. Provide four (4) Dormont model 1675KITCF2S48 Blue Hose Gas connector kit with 48" long covered stainless steel braided, antimicrobial PVC, Safety Quik (2) Swivel MAX.
- M. Provide eight (8) total Dormont model CMB37BP2Q48 Safety Connectors DO NOT MANIFOLD OVENS.
- O. Connect to RO System, Item #25

AD No 1, FS. Item 4: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #30, 30 GALLON TILT BRAISING PAN – Add acceptable alternate:

G. A specific product manufactured by the following listed manufacturer is acceptable only if the specific product can evidence compliance with the specified Item and the Contract Documents: Cleveland.



Euless, Texas

Project Number: 1906-01-01

AD No 1, FS. Item 5: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #43, POWERSOAK PRODUCE WASH SINK, delete the original specification and replace with the following:

ITEM # 43 WORK TABLE W/2-COMPARTMENT SINK: Provide one (1) Advance Tabco model #TKSS-3010*J088, Work Table, 114"W x 30"D, 14 gauge 304 stainless steel top with five (5") inch high backsplash, stainless steel legs with side and rear crossrails, adjustable stainless steel bullet feet, NSF certified including:

*TA-61 modification to reduce overall length by 6" to 114" W total.

- A. One (1) model #TA-22*J088, Square edge table.
- B. One (1) model #TA-76*J088, Paint on sound deadening under top (supplements standard sound deadening under support channels).
- C. One (1) model #TA-93*J088, Wall Clips, (for 5" and 10" splash only) (per table).
 - D. One (1) model #TA-100R*J088, Bullnose (3) sides of work table or overshelf with rear up-turn or splash.
 - E. One (1) model #TA-23*J088, Welded Set Up Table/Shell Crating.
 - F. One (1) model #TA-95*J088, sixteen (16) gauge 304 stainless steel leg upgrade (per table).
 - G. One (1) model #TA-11E-2*J088, weld in two compartment sink basin 24" x 24" x 14" deep bowl, left side basin prepared for disposer, Item #55, and spray rinse with faucet.
 - H. One (1) model #K-15*J088 lever waste drain, twist handle operated with built-in overflow.
 - I. One (1) model #K-4*J088 support bracket for lever waste drain handle.

AD No 1, FS. Item 6: To the Project Manual, Section 11 4000, "FOODSERVICE EQUIPMENT,"

ITEM #55, SPARE NUMBER, delete the original specification and replace with the following:

ITEM # 55 <u>DISPOSER w/SPRAY RINSE FAUCET</u>: Provide one (1) Salvajor model #300-AS-ARSSLD*J088, Disposer, including:

- A. Install into Item #43, 2-Compartment Sink per manufacturer's specification.
- B. Weld cone watertight where shown on plan. Provide 1/2" solenoid valve with time delay relay and flow control. Set time delay relay to run water for 45 seconds after shut-off.
- C. T. & S. Brass and Bronze Works, Inc., model #B-0133 pre-rinse spray with model #B-0156-ADF swing faucet, model #B-0109 wall bracket and model #B-0970-FEZ, in-line vacuum breaker.
- D. Optional support leg.
- E. Optional mounting bracket for Disposer Control. Weld bracket to underside of Item #43, 2-Compartment Sink where shown on plan.
- F. All plumbing connections to be copper. All exposed copper to be painted with aluminum paint.

DRAWINGS: NO DRAWING UPDATES

END OF FOODSERVICE ADDENDUM



Euless, Texas

Project Number: 1906-01-01



PLUMBING ITEMS FOR ADDENDUM NO. 1

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

DRAWINGS:

AD No 1, Plum. Item 1: To the Drawings, Sheet P4.01, "ROOF PLAN - PLUMBING,"

1) Remove emergency shut-off valves serving storm shelters.

END OF PLUMBING ADDENDUM



Euless, Texas

Project Number: 1906-01-01



ELECTRICAL ITEMS FOR ADDENDUM NO. 1

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

DRAWINGS:

AD No 1, Elec. Item 1: To the Drawings, Sheet E1.06, "ELECTRICAL RISER DIAGRAM AND PANELBOARD SCHEDULES,"

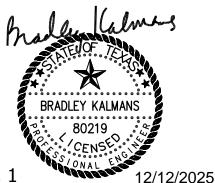
1) Added note to riser diagram for service equipment available fault current labeling.

END OF ELECTRICAL ADDENDUM



Euless, Texas

Project Number: 1906-01-01



TECHNOLOGY ITEMS FOR ADDENDUM NO. 1

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

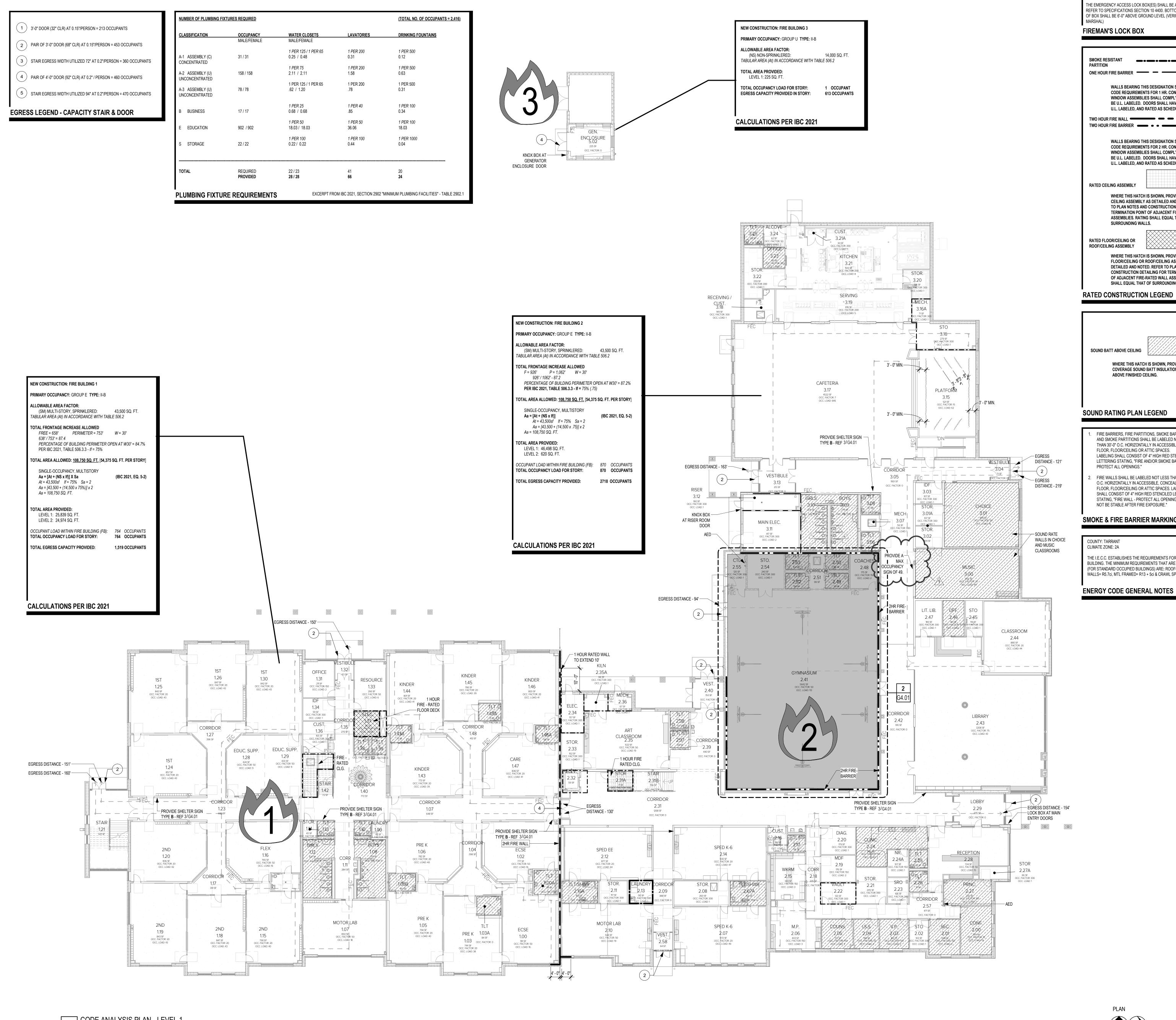
DRAWINGS:

AD No 1, Tech. Item 1: To the Drawings, Sheet T1.00, "TECHNOLOGY SITE PLAN,"

- 1) Added "TECHNOLOGY KEYED NOTES" #8 #14.
- 2) Revised site plan as shown.

END OF TECHNOLOGY ADDENDUM





THE EMERGENCY ACCESS LOCK BOX(ES) SHALL BE AS SPECIFIED. REFER TO SPECIFICATIONS SECTION 10 4400. BOTTOM ELEVATION OF BOX SHALL BE 6'-0" ABOVE GROUND LEVEL (VERIFY WITH FIRE

> ONE HOUR FIRE BARRIER — — — — — WALLS BEARING THIS DESIGNATION SHALL MEET ALL CODE REQUIREMENTS FOR 1 HR. CONSTRUCTION. WINDOW ASSEMBLIES SHALL COMPLY WITH IBC AND BE U.L. LABELED. DOORS SHALL HAVE CLOSERS, BE U.L. LABELED, AND RATED AS SCHEDULED. TWO HOUR FIRE WALL TWO HOUR FIRE BARRIER ••••••

> > WALLS BEARING THIS DESIGNATION SHALL MEET ALL CODE REQUIREMENTS FOR 2 HR. CONSTRUCTION. WINDOW ASSEMBLIES SHALL COMPLY WITH IBC AND BE U.L. LABELED. DOORS SHALL HAVE CLOSERS, BE U.L. LABELED, AND RATED AS SCHEDULED.

WHERE THIS HATCH IS SHOWN, PROVIDE A FIRE-RATED CEILING ASSEMBLY AS DETAILED AND NOTED. REFER TO PLAN NOTES AND CONSTRUCTION DETAILING FOR TERMINATION POINT OF ADJACENT FIRE-RATED WALL ASSEMBLIES. RATING SHALL EQUAL THAT OF SURROUNDING WALLS.

RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY

WHERE THIS HATCH IS SHOWN, PROVIDE A FIRE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY AS DETAILED AND NOTED. REFER TO PLAN NOTES AND CONSTRUCTION DETAILING FOR TERMINATION POINT OF ADJACENT FIRE-RATED WALL ASSEMBLIES. RATING SHALL EQUAL THAT OF SURROUNDING WALLS.

RATED CONSTRUCTION LEGEND

SOUND BATT ABOVE CEILING WHERE THIS HATCH IS SHOWN, PROVIDE FULL COVERAGE SOUND BATT INSULATION AS SPECIFIED ABOVE FINISHED CEILING.

SOUND RATING PLAN LEGEND

FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS SHALL BE LABELED NOT LESS THAN 30'-0" O.C. HORIZONTALLY IN ACCESSIBLE, CONCEALED FLOOR, FLOOR/CEILING OR ATTIC SPACES. LABELING SHALL CONSIST OF 4" HIGH RED STENCILED LETTERING STATING, "FIRE AND/OR SMOKE BARRIER -PROTECT ALL OPENINGS."

FIRE WALLS SHALL BE LABELED NOT LESS THAN 30'-0" O.C. HORIZONTALLY IN ACCESSIBLE, CONCEALED FLOOR, FLOOR/CEILING OR ATTIC SPACES. LABELING SHALL CONSIST OF 4" HIGH RED STENCILED LETTERING STATING, "FIRE WALL - PROTECT ALL OPENINGS - MAY NOT BE STABLE AFTER FIRE EXPOSURE."

SMOKE & FIRE BARRIER MARKINGS (IBC 7)

THE I.E.C.C. ESTABLISHES THE REQUIREMENTS FOR INSULATING THI BUILDING. THE MINIMUM REQUIREMENTS THAT ARE ACCEPTABLE (FOR STANDARD OCCUPIED BUILDINGS) ARE: ROOF= R25, MASS

WALLS= R5.7ci, MTL FRAMED= R13 + 5ci & CRAWL SPACES= R12

B) PROJECT NAME: BELL MANOR ELEMENTARY SCHOOL C) LOCATION: EULESS, TEXAS 2) APPLICABLE CODES A) INTERNATIONAL BUILDING CODE (IBC) 2021 B) INTERNATIONAL PLUMBING CODE 2021 C) INTERNATIONAL MECHANICAL CODE 2021 NATIONAL ELECTRICAL CODE (NEC)/NFPA 70 2023 E) INTERNATIONAL FIRE CODE 2021 F) ELIMINATION OF ARCHITECTURAL BARRIERS ACT; TEXAS DEPT. OF LICENSING AND REGULATION G) INTERNATIONAL ENERGY CONSERVATION CODE 2021 H) LOCAL AMENDMENTS 3) OCCUPANCY CLASSIFICATION A) PRIMARY OCCUPANCY: GROUP E B) SEPARATED USES: NONE C) INCIDENTAL USE AREAS: RATED PER TABLE 509 4) TYPE OF CONSTRUCTION / FIRE-RESISTIVE REQUIREMENTS A) CONSTRUCTION TYPE: II-B TABLE 601 STRUCTURAL FRAME NON-BEARING WALLS & PARTITIONS (EXTERIOR) NON-BEARING WALLS & PARTITIONS (INTERIOR)

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FLOOR CONSTRUCTION ROOF CONSTRUCTION TYPE II B: RATING REQUIRED WHERE FIRE SEPARATION

DISTANCE IS LESS THAN 10 FT. i) ALLOWABLE HEIGHTS AND AREAS (REFER TO TABLE THIS SHEET

INFORMATION PROVIDED FOR CODE COMPLIANCE EVALUATION; NO

TO BE USED FOR BIDDING PURPOSES.

A) OWNER: HURST-EULESS BEDFORD I.S.D.

) PROJECT IDENTIFICATION

REPLACEMENT

(TABLE 601)

BUILDING ELEMENT

BEARING WALLS

EXTERIOR

INTERIOR

FOR CALCULATIONS) A) BUILDING AREA: A.1) BUILDING 1 ALLOWABLE AREA = 54,375 S.F. PER FLOOR

> AREA PROVIDED (LEVEL 2) = 24,974 S.F. TOTAL AREA PROVIDED = 50,813 S.F. A.2) BUILDING 2 ALLOWABLE AREA = 54,375 S.F. PER FLOOR AREA PROVIDED (LEVEL 1) = 46,498 S.F. AREA PROVIDED (LEVEL 2) = 620 S.F. TOTAL AREA PROVIDED = 47,118 S.F.

AREA PROVIDED (LEVEL 1) = 25,839 S.F.

A.3) BUILDING 3 ALLOWABLE AREA = 8,500 S.F. AREA PROVIDED = 225 S.F.

B.2) BUILDING 2

B.1) BUILDING 1 ALLOWABLE HEIGHT = 75 FT. / 3 STORIES ACTUAL HEIGHT = 38' - 4" FT. / 2 STORIES

ACTUAL HEIGHT = 31'- 8" FT. / 2 STORIES B.3) BUILDING 3 ALLOWABLE HEIGHT = 75 FT. / 3 STORIES ACTUAL HEIGHT = 12'-0" FT. / 1 STORIES

ALLOWABLE HEIGHT = 75 FT. / 3 STORIES

6) FIRE-PROTECTION SYSTEMS A) AUTOMATIC SPRINKLER SYSTEM: YES B) PORTABLE FIRE EXTINGUISHERS PROVIDED PER INTERNATIONAL FIRE CODE: YES

C) FIRE ALARM PROVIDED: YES D) VOICE EVAC / ALARM: YES 7) EXIT REQUIREMENTS

A) TRAVEL DISTANCES 1) ALLOWED, SPRINKLERED BUILDING: TO EXIT FROM WITHIN A SPACE FOR OCCUPANCY LOAD GREATER THAN 50 = 250 FT. TO EXIT FROM WITHIN BUILDING = 250 FT. COMMON PATH OF EGRESS TRAVEL = 75 FT.

2) ACTUAL - REFER TO PLAN FOR PATHS & DISTANCE B) OCCUPANT LOAD CALCUATION: BUILDING OCCUPANCY: 2,416

BUILDING DESIGN CRITERIA

) THIS CODE ANALYSIS PLAN IS PROVIDED AS A TOOL FOR VIEWING THE OVERALL CODE COMPLIANCE FOR THE ENTIRE FACILITY. WHILE STATED U.L. RATINGS REQUIRED THROUGH WALLS MUST BE MET, ALL CONTRACTORS MUST CONSTRUCT THIS FACILITY FROM THE MATERIALS AND IN THE DIMENSIONS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. ANY APPARENT CONFLICT SHALL BE

RESOLVED WITH THE ARCHITECT. 2) RATED WALLS NOT DESIGNED TO EXTEND ABOVE ROOF LEVEL SHALL EXTEND TO THE ROOF DECK WITH U.L. APPROVED CLOSURE

TO THE DECK U.N.O. 3) ALL PENETRATIONS OF RATED WALLS SHALL BE CLOSED WITH CODE APPROVED METHODS AND MATERIALS TO MAINTAIN THE

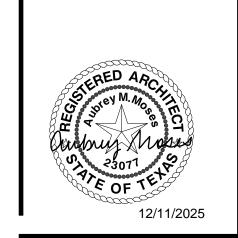
SPECIFIED RATING, INCLUDING FIRE TREATED BLOCKING / PLYWD. 4) REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR FIRE AND SMOKE DAMPERS.

5) REFER TO "G3" SHEETS FOR TYP WALL CONSTRUCTION DETAILS. 6) SQUARE FOOT (SF) AREAS INDICATED ARE FOR CODE ANALYSIS ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AREAS FOR

CONSTRUCTION PURPOSES. **CODE ANALYSIS PLAN NOTES**

1 HR. ROOF: UL # P701 COLUMNS: UL # X771 AND # X772 FLOOR PERIMETER FIRE CONTAINMENT: UL # FW-S-0001 CONCRETE / CMU PARTITION HEAD: UL # HW-D-0040 CONTRACTOR HAS OPTION TO SUBMIT ALTERNATIVE UL ASSEMBLIES FOR APPROVAL BY ARCHITECT.

TYPICAL UL RATED ASSEMBLY NUMBERS



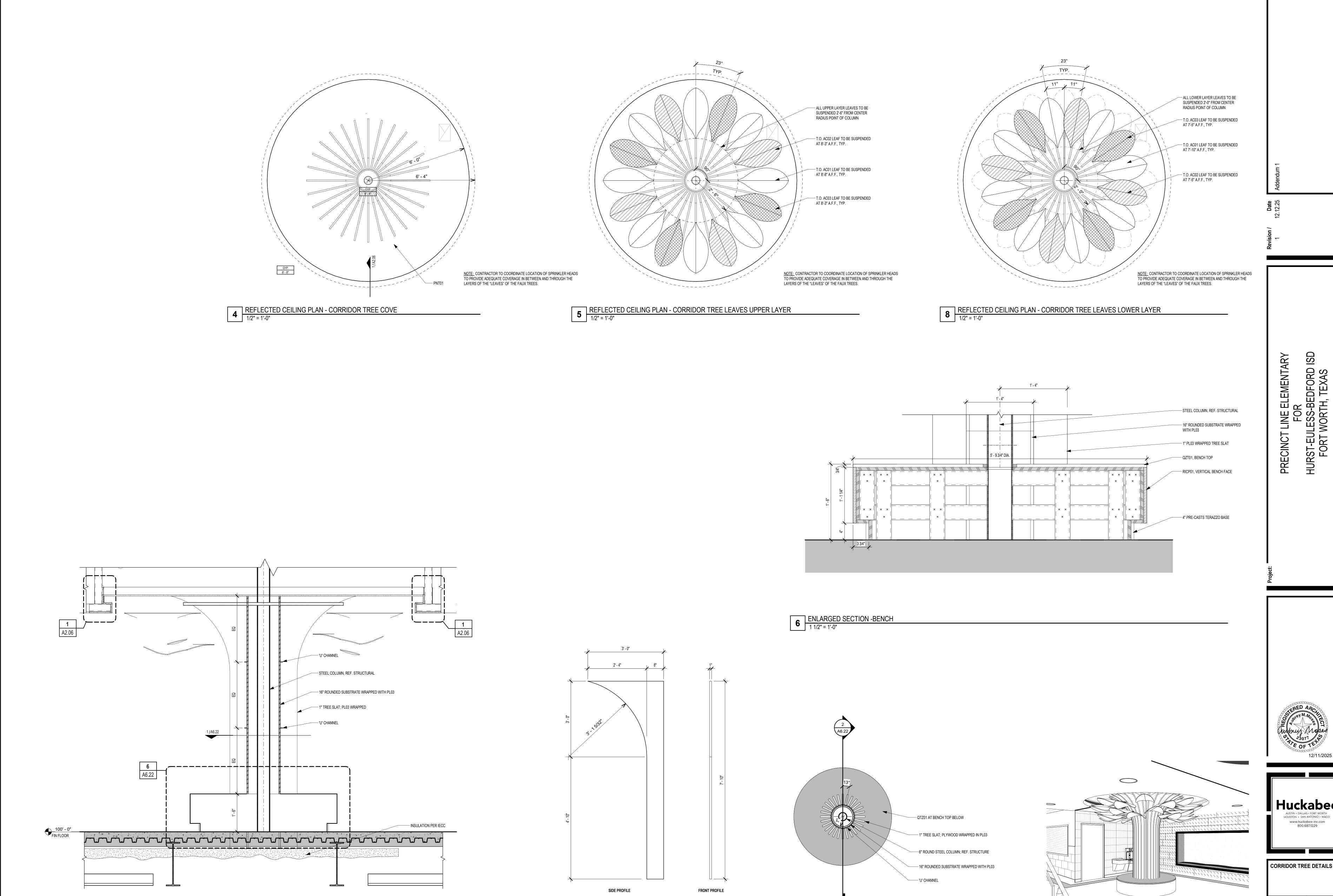
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CODE ANALYSIS PLAN -LEVEL 1

1 | CODE ANALYSIS PLAN - LEVEL 1 | 1/16" = 1'-0"



CORRIDOR TREE SLAT
3/4" = 1'-0"

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

1 ENLARGED FLOOR PLAN - SECTION 1 - BENCH 1/2" = 1'-0"

ORD ISD (AS

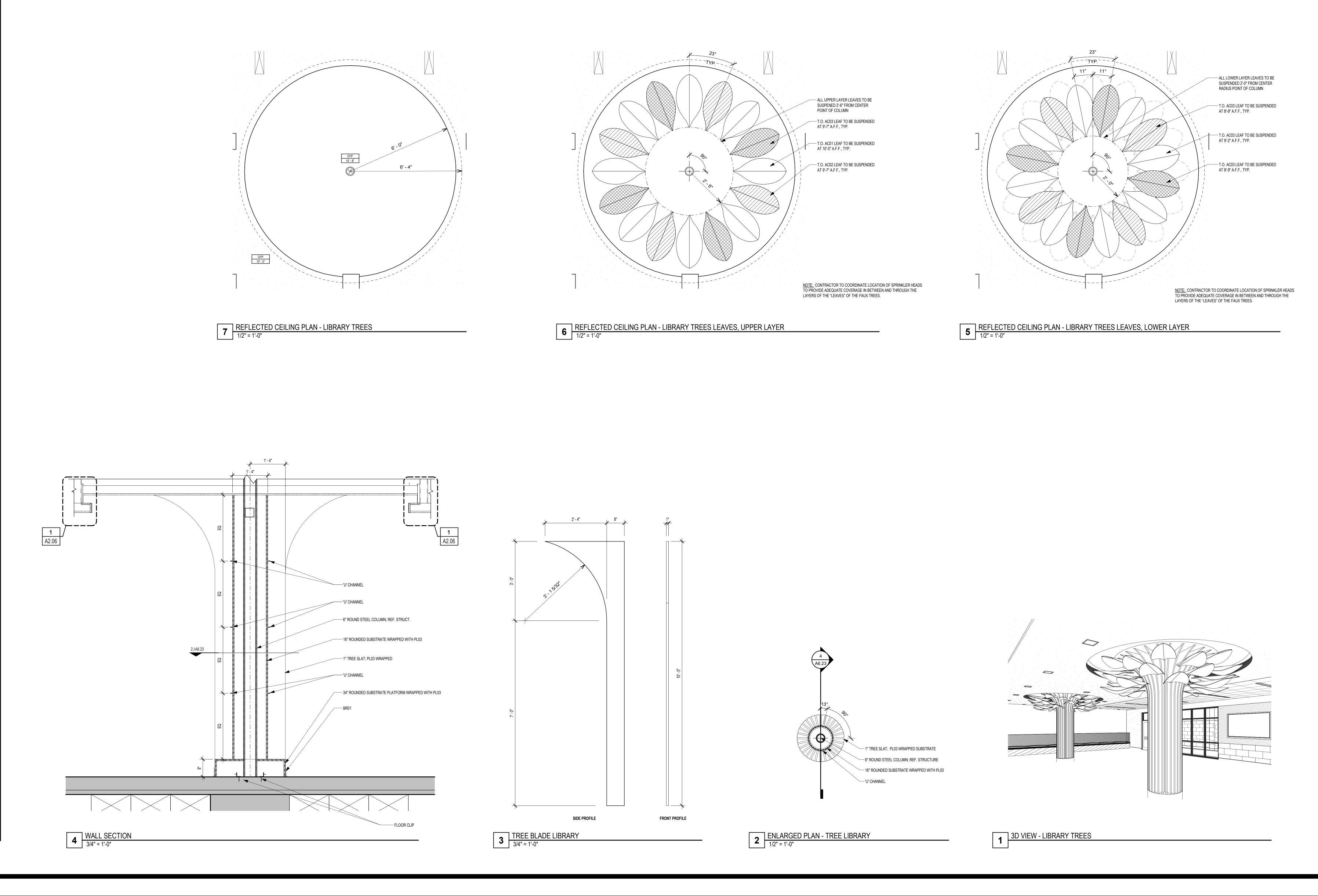
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CORRIDOR TREE DETAILS

3 3D VIEW - CORRIDOR TREE BENCH



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PRECINCT LINE ELEMENTARY FOR HURST-EULESS-BEDFORD ISD FORT WORTH, TEXAS

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LIBRARY TREE DETAILS

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Romine, Romine, & Burgess Mechanical/Electrical Engineers STEPHEN McCLESKEY

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11/19/2025

ROOF PLAN - PLUMBING

* NOTE : CONDUCTOR SIZES INDICATED ARE FOR COPPER CONDUCTORS

MAIN ELEC. 3.11 Panel	MD CHAR	ACTERISTICS	MOUNTING	MAINS RATING	MAINS TYPE	AIC RATING	ENCLOSURE	NOTE: ALL CIRCUIT E	BREAKERS SHALL HAVE
		0V, 3PH, 4W	FREE STANDING	2000 A	MCB (SHUNT TRIP)	65,000 C	TYPE 1	NETWORK MONITORING CAPABILITY TO MEET IECC. REFER TO SPECIFICATIONS 26 2413.	
ROM:	UTILITY TRANSFORMER	0 7, 01 11, 177	THEE OTTAINE				71121	ECIFICATIONS 26 2413.	
CIRCUIT	CIRCUIT DESCRIPTION	POLES	S TRIP				CO	NDUCTOR SIZE	CONDUIT SIZE
MP-1	POWER FACTOR CORRECTION EQUIP (*UNMETERED	C/B*) 3	300 A	0 A	0 A	0 A	3-#350, 1-#4		3"
MP-2	PANEL KH	3	250 A	119 A	113 A	130 A	3-#250, 1-#250, 1-#4		3"
MP-3	PANEL LA	3	100 A	20 A	30 A	27 A	3-#3, 1-#3, 1-#8		1 1/2"
MP-4	PANEL MA	3	400 A	268 A	268 A	268 A	3-#600, 1-#3		4"
MP-5	XFMR T-BA	3	175 A	113 A	118 A	98 A	SEE XFMR INSTALLATION	N SCHEDULE	2"
MP-6	XFMR T-RA	3	125 A	74 A	66 A	88 A	SEE XFMR INSTALLATION	N SCHEDULE	1 1/2"
MP-7	PANEL MB	3	225 A	87 A	87 A	87 A	3-#4/0, 1-#4		2 1/2"
MP-8	PANEL LC	3	100 A	33 A	28 A	31 A	3-#3, 1-#3, 1-#8		1 1/2"
MP-9	PANEL MC	3	300 A	211 A	211 A	211 A	3-#350, 1-#4		3"
MP-10	XFMR T-BC	3	125 A	59 A	64 A	61 A	SEE XFMR INSTALLATION	N SCHEDULE	1 1/2"
MP-11	XFMR T-RC	3	175 A	128 A	127 A	123 A	SEE XFMR INSTALLATIO	N SCHEDULE	2"
MP-12	PANEL MD	3	300 A	222 A	222 A	222 A	3-#350, 1-#4		3"
MP-13	PANEL ESH (THROUGH ATS)	3	225 A	182 A	187 A	185 A	3-#4/0, 1-#4/0, 1-#4		2 1/2"
MP-14	ELEVATOR CONTROLLER (*SHUNT TRIP*)	3	150 A	62 A	62 A	62 A	3-#1/0, 1-#1/0, 1-#6		2"
MP-15	PANEL OL	3	60 A	13 A	7 A	7 A	3-#6, 1-#6, 1-#10		1"
MP-16									
MP-17	SPD #MP (*UNMETERED C/B*)	3	100 A	0 A	0 A	0 A	SEE RISER DIAGRAM		
MP-18	SPARE	3	100 A	0 A	0 A	0 A			
MP-19	SPARE	3	225 A	0 A	0 A	0 A			
MP-20	SPARE	3	400 A	0 A	0 A	0 A			
MP-21	SPARE	3	400 A	0 A	0 A	0 A			
MP-22	SPARE	3	400 A	0 A	0 A	0 A			
MP-23	SPARE	3	400 A	0 A	0 A	0 A			
MP-24	SPARE	3	400 A	0 A	0 A	0 A			
		I.	TOTAL LOAD:	438897 VA	438691 VA	441788 VA			
		TOTAL AMPS:	1585 A	1584 A	1595 A				

SHELTER EQUIPMENT PLATFORM PANEL PANEL **AUTOMATIC** "ESL" TRANSFER SWITCH (ATS) XFMR ----4 #4/0, #4G IN 45 KVA 2-1/2" CONDUIT **GENERATOR ENCLOSURE** ELEC. RM. 2.31 ELEC. RM. 1.50 (17) EMERGENCY AUTOMATIC **PORTABLE** $\stackrel{\smile}{\smile}$ GENERATOR-**GENERATOR TRANSFER** DOCKING PANEL PANEL PANEL **PANEL** PANEL **PANEL** (MTS) STATION "EGL" "EBH" "EBL" "EL2" "ECH" "ECL" "EL1" **(23)**— "T-EBL 112.5 KVA EMERGENCY POWER RISER DIAGRAM NO SCALE A. FEEDERS MAY BE RUN UNDER SLAB PER SPECIFICATIONS IN

RISER DIAGRAM NOTES BY SYMBOL:

- 1. REFER TO PANELBOARD SCHEDULE FOR FEEDER CIRCUIT, CONDUCTOR AND CONDUIT SIZES.
- 2. REFER TO TRANSFORMER INSTALLATION SCHEDULE FOR FEEDER CIRCUIT, CONDUCTOR AND CONDUIT SIZES.
- 3. MOUNT FREESTANDING GEAR ON 4" CONCRETE PAD POURED IN PLACE WITH #4 REBAR 12" O.C. AND WITH 1" BEVEL ON ALL EDGES, EXTENDED 6" BEYOND GEAR ON FRONT AND SIDES.
- 4. BOND X-O TERMINAL BAR AT TRANSFORMER SECONDARY TO GROUNDING TERMINAL BAR AT TRANSFORMER CASE WITH SYSTEM BONDING JUMPER. RUN GROUNDING ELECTRODE CONDUCTORS FROM GROUNDING TERMINAL BAR TO BUILDING STEEL AND NEAREST METALLIC WATER LINE. REFER TO TRANSFORMER INSTALLATION SCHEDULE FOR SYSTEM BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR SIZES. REFER TO TRANSFORMER INSTALLATION DETAIL FOR ADDITIONAL INFORMATION.
- 5. REFER TO SPECIFICATIONS 26 2000. MOUNT ON 4" CONCRETE PAD POURED IN PLACE WITH #4 REBAR 12" O.C. AND WITH 1" BEVEL ON ALL EDGES. REFER TO TRANSFORMER INSTALLATION DETAIL.
- 6. SURGE PROTECTION DEVICE (SPD) FOR <u>BRANCH</u> PANEL. FEED WITH 5 #6 IN 1-1/2" CONDUIT FROM 60 AMP CIRCUIT BREAKER IN PANEL (3 PHASES, NEUTRAL AND GROUND). LOCATE SPD SUCH THAT MAXIMUM CONDUCTOR LENGTH IS 10'. VERIFY ALL REQUIREMENTS AND CONNECTIONS WITH MANUFACTURER. REFER TO SPECIFICATIONS 26 4313 FOR ADDITIONAL INFORMATION.
- 7. SURGE PROTECTION DEVICE (SPD) FOR <u>DISTRIBUTION</u> PANEL. FEED WITH 5 #4 IN 1-1/2" CONDUIT FROM 80 AMP CIRCUIT BREAKER IN PANEL (3 PHASES, NEUTRAL AND GROUND). LOCATE SPD SUCH THAT MAXIMUM CONDUCTOR LENGTH IS 10'. VERIFY ALL REQUIREMENTS AND CONNECTIONS WITH MANUFACTURER. REFER TO SPECIFICATIONS 26 4313 FOR ADDITIONAL INFORMATION.
- 8. SURGE PROTECTION DEVICE (SPD) FOR MAIN SWITCHBOARD WITH INTEGRAL DISCONNECT SWITCH. FEED WITH 5 #2 IN 1-1/2" CONDUIT FROM 100 AMP CIRCUIT BREAKER IN BOARD (3 PHASES, NEUTRAL AND GROUND). LOCATE SPD SUCH THAT MAXIMUM CONDUCTOR LENGTH IS 10'. VERIFY ALL REQUIREMENTS AND CONNECTIONS WITH MANUFACTURER. REFER TO SPECIFICATIONS 26 4313 FOR ADDITIONAL INFORMATION.
- 9. (2) 4" DUCTS FOR UNDERGROUND ELECTRICAL PRIMARY BY THIS CONTRACTOR AND CONDUCTORS BY SERVICE PROVIDER. REFER TO SITE PLAN AND SPECIFICATIONS 26 2100 FOR ADDITIONAL

ALL REQUIREMENTS PRIOR TO INSTALLATION OF PAD AND ROUGH-IN OF SECONDARY CONDUITS. PROVIDE (2) GROUND RODS AND LUGS FOR SECONDARY CONDUCTOR TERMINATIONS PER

- 10. INSTALL CONCRETE PAD FOR UTILITY TRANSFORMER PER SERVICE PROVIDER REQUIREMENTS. CAREFULLY COORDINATE WITH SERVICE PROVIDER EXACT LOCATION OF TRANSFORMER AND
- SERVICE PROVIDER REQUIREMENTS. REFER TO SITE PLAN AND ELECTRICAL SPECIFICATIONS 26 2100 FOR ADDITIONAL INFORMATION.
- 11. SERVICE LATERAL IN CONCRETE DUCT BANK. RUN 5 SETS OF (4 #600 IN 4" CONDUIT). REFER TO SECONDARY DUCT BANK DETAIL.

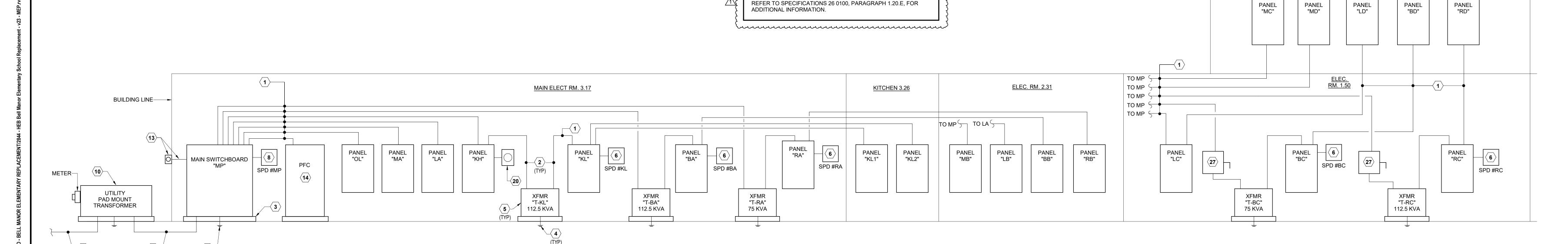
12. BOND NEUTRAL TO SERVICE DISCONNECTING MEANS (SWITCHBOARD) ENCLOSURE WITH #3/0 MAIN BONDING JUMPER. RUN #3/0 GROUNDING ELECTRODE CONDUCTOR FROM SERVICE NEUTRAL

- TERMINAL TO BUILDING SERVICE GROUNDING ELECTRODE SYSTEM. REFER TO GROUNDING INSTALLATION DETAIL.

 13. PROVIDE KNOX REMOTE POWER BOX WITH EMERGENCY POWER OFF SHUNT TRIP SWITCH ON EXTERIOR WALL. REFER TO POWER FLOOR PLAN FOR LOCATION AND SPECIFICATIONS SECTION
- 13. PROVIDE KNOX REMOTE POWER BOX WITH EMERGENCY POWER OFF SHUNT TRIP SWITCH ON EXTERIOR WALL. REFER TO POWER FLOOR PLAN FOR LOCATION AND SPECIFICATIONS SECTION 26 2413 FOR REQUIREMENTS. PROVIDE 120V CONTROL WIRING (CIRCUIT INDICATED ON POWER FLOOR PLAN) IN 1/2" CONDUIT TO SHUNT TRIP MAIN BREAKER.
- 14. AUTOMATIC POWER FACTOR CORRECTION CAPACITOR BANK. UNIT SHALL BE 200 KVAR, 480V, 3PH. REFER TO SPECIFICATIONS 26 2414.
- 15. PROVIDE 480V, MIN. 200A RATED, 4-POLE/4-WIRE SWITCHED NEUTRAL, STANDARD TRANSITION, AUTOMATIC TRANSFER SWITCH IN NEMA 1 ENCLOSURE PER SPECIFICATIONS 26 3213. INSTALL PER MANUFACTURER'S GUIDELINES.
- 16. AT UNIT MOUNTED MAIN C/B, BOND NEUTRAL TO GENERATOR FRAME WITH #4 MAIN BONDING JUMPER. EXTEND #4 GROUNDING ELECTRODE CONDUCTOR FROM NEUTRAL-TO-CASE CONNECTION TO (2) DRIVEN GROUND RODS INTERCONNECTED AT 6' APART.
- 17. PROVIDE AND INSTALL 100KW/125KVA, 277/480V, 3 PHASE STANDBY EMERGENCY DIESEL DRIVEN ENGINE GENERATOR PER SPECIFICATIONS 26 3213 AND MANUFACTURER'S GUIDELINES. REFER TO MEP SITE PLAN AND SH. E2.3. INSTALL GENERATOR DIRECTLY ON CONCRETE FLOOR OF GENERATOR BUILDING PER MANUFACTURER'S REQUIREMENTS.
- 18. PROVIDE 480V, MIN. 200A RATED, 4-POLE/4-WIRE SWITCHED NEUTRAL, MANUAL TRANSFER SWITCH IN NEMA 1 ENCLOSURE PER SPECIFICATIONS 26 3213. INSTALL PER MANUFACTURER'S GUIDELINES
- 19. 4 #4/0, #4G IN 2-1/2" CONDUIT. REFER TO FLOOR PLAN FOR PROPOSED ROUTE. CONDUIT MUST BE RUN BELOW SLAB INTO TORNADO SHELTER AND NOT PENETRATE SHELTER WALLS.
- 20. 277/480V 3PH KWH DEMAND METER FOLIVALENT TO "E-MON D-MON" #E20-480 400- LD-KIT. FED WITH 4 #12. #12G, IN 3/4" CONDUIT FROM 20 AMP CIRCUIT BREAKER IN PANE
- 20. 277/480V, 3PH, KWH DEMAND METER EQUIVALENT TO "E-MON D-MON" #E20-480 400-J-D-KIT, FED WITH 4 #12, #12G. IN 3/4" CONDUIT FROM 20 AMP CIRCUIT BREAKER IN PANEL.
- 21. MAKE CONNECTION TO ENCLOSURE WITH FLEXIBLE METALLIC CONDUIT TO ACCOUNT FOR POTENTIAL FOUNDATION HEAVING.
- 22. RUN 1-1/2" CONDUIT WITH CONTROL CABLING TO SECTION 3 IDF ETHERNET CONNECTION FOR GENERATOR CONTROL AND MONITORING. REFER TO SH. E2.3.
- 23. RUN 1-1/2" CONDUIT WITH CONTROL CABLING FOR ATS/GENERATOR COMMUNICATION ALONG WITH CONTROL CABLING TO REMOTE ANNUNCIATOR IN ADMIN AREA. SEE SH. E2.3. MAKE CONNECTIONS AS REQUIRED BY MANUFACTURER.
- 24. RUN 1-1/2" CONDUIT WITH CONTROL CABLING TO REMOTE ANNUNCIATOR IN ADMIN AREA. SEE SH. E2.2. MAKE CONNECTIONS AS REQUIRED BY MANUFACTURER.
- 25. SAME FEEDER AND CONDUIT SIZE AS NORMAL AND EMERGENCY FEEDERS.
- 26. 100A, 3-P, 480V, NEMA 1, NON-FUSIBLE SAFETY SWITCH FOR TRANSFORMER PRIMARY DISCONNECT.
- 27. 200A, 3-P, 480V, NEMA 1, NON-FUSIBLE SAFETY SWITCH FOR TRANSFORMER PRIMARY DISCONNECT.
- 28. PROVIDE 480V, 3PH, WITH NEUTRAL, MINIMUM 200A RATED WALL MOUNT QUICK CONNECT PANEL IN NEMA 3R ENCLOSURE FOR PORTABLE GENERATOR DOCKING STATION PER SPECIFICATIONS 26 3213. INSTALL PER MANUFACTURER'S GUIDELINES..

ELEC. RM. 4.38

29. RUN 1-1/2" CONDUIT WITH CONTROL CABLING FOR STATUS/COMMUNICATION ALONG WITH CONTROL CABLING TO MAKE CONNECTIONS AS REQUIRED BY MANUFACTURER.



LIEU OF OVERHEAD AT CONTRACTOR'S DISCRETION.

ACCOMMODATE POTENTIAL FOUNDATION HEAVING.

B. WHERE FEEDERS ARE RUN UNDER SLAB, TRANSITION FROM

C. SERVICE EQUIPMENT SHALL BE LABELED WITH AVAILABLE FAULT CURRENT PER N.E.C. ARTICLE 110.24 REQUIREMENTS.

PVC TO RIGID GALVANIZED STEEL ELBOW AND RUN RIGID METALLIC CONDUIT UP THROUGH SLAB. MAKE CONNECTIONS TO PANEL ENCLOSURES WITH FLEXIBLE METALLIC CONDUIT TO

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ELECTRICAL RISER DIAGRAM AND PANELBOARD SCHEDULES

Job No.
1906-01-01

Drawn By:
AJK/LLM

Date:
11/19/25

Sheet No.

E 1 06

TECHNOLOGY SITE PLAN

TECHNOLOGY KEYED NOTES

NOTE 1 APPROXIMATE LOCATION OF NEW MDF.

2 PROVIDE AND INSTALL TWO (2) 4" UNDERGROUND CONDUITS FROM FIBERLIGHT VAULT TO MDF. FIELD COORDINATE EXACT VAULT LOCATION. 3 PROVIDE AND INSTALL ONE (1) 4" UNDERGROUND CONDUIT FROM AT&T LOCATION TO MDF. FIELD COORDINATE EXACT LOCATION.

4 COORDINATE LOCATION OF MARQUEE SIGN. PROVIDE AND INSTALL ONE (1) 2" CONDUIT TO LOCATION OF MARQUEE SIGN FOR FUTURE USE. COORDINATE EXACT INSTALLATION LOCATION WITH ARCHITECT AND ELECTRICAL CONTRACTOR. 5 PROVIDE ONE (1) 2" UNDERGROUND CONDUIT, ONE (1) 6-STRAND FIBER OPTIC CABLE FROM MDF

TO LOCATION SHOWN TO CONNECT DEVICE TO NETWORK. FIBER CABLE SHALL BE PROVIDED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR. 6 PROVIDE AND INSTALL ONE (1) ALL IN ONE HARDENED POE SWITCH WITH SFP & ENCLOSURE,

ALTRONIX PRODUCT NO. NETWAY4WP. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER. FIBER CABLE, ENCLOSURE AND ALL CONNECTIONS SHALL BE PROVIDED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR. 7 PROVIDE AND INSTALL ONE (1) 2" CONDUIT, ONE (1) CATEGORY CABLE AS SHOWN TO CONNECT

CAMERA TO NETWORK

8 PROVIDE AND INSTALL ONE (1) 30"X 36"X48" PULL BOX, AT THE LOCATION INDICATED. PULL BOX
SHALL BE INSTALLED WITH THE TORSION SPRING ASSISTED COVER AT GRADE LEVEL, CLEARLY MARKED "COMMUNICATIONS", AND SHALL BE LOAD RATED IN ACCORDANCE WITH THE LOCATION IN WHICH IT IS INSTALLED.

9 PROVIDE TWO (2) 4" CONDUITS FROM FIBERLIGHT PULL BOX TO POLE RISER.

10 PROVIDE ONE (1) 4" CONDUIT FROM ATT PULL BOX TO POLE RISER.

11 PROVIDE ONE (1) 2" UNDERGROUND CONDUIT FROM NEAREST IDF TO MAN GATE LOCATION. FIELD COORDINATE EXACT LOCATION AND REQUIREMENTS.

12 ACCESS CONTROL TO MAN GATE.

13 APPROXIMATE LOCATION OF NEW IDF 1.34 14 APPROXIMATE LOCATION OF NEW IDF 3.03

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TECHNOLOGY SITE PLAN

PACKAGE 100 CD VOLUME



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