PBK
Architecture
Engineering
Planning
Technology
Facility Consulting

11 Greenway Plaza
Suite 2210
Houston, Texas 77046-1104
Telephone: 713/965-0608
Fax: 713/961-4571

ADDENDUM NO. 02
January 20, 2022

To Drawings and Specifications dated December 17, 2021

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT
FOR FRIENDSWOOD I.S.D.

Prepared by: PBK
11 Greenway Plaza, 22nd Floor
Houston, TX 77046-1104
PBK Project No: 20380

Notice to Bidders

A. Receipt of this Addendum shall be acknowledged on the Bid Form.
B. This Addendum forms part of the Contract documents for the above referenced project and shall be incorporated integrally therewith.
C. Each bidder shall make necessary adjustments and submit his proposal with full knowledge of all modifications, clarifications, and supplemental data included therein. Where provisions of the following supplemental data differ from those of the original Contract Documents, this Addendum shall govern.

RFI / CLARIFICATIONS

General

Item No. 1 Please provide the fee for permits or if any allowance can be carried for the costs.
City of Friendswood does not require to pay the permit fee.

Item No. 2 Consider allowing the List of Subcontractors to be submitted at 3:00 with the Alternate Proposal.
Per addendum 01, Section 00 40 12 -1, List of Subcontractors will be submitted with Alternate Proposal at 3:00 pm.

Item No. 3 Consider changing the 60 day hold open requirement to 30 days for the base bid proposal and alternate proposal. In today's market, few if any subcontractors and vendors will hold their pricing more than 30 days. Per the Pre-Proposal Conference, we understand that the project will go to the February 14 Board Meeting for approval which would be in the 30 day period.
60 days hold requirement remains.

Item No. 4 On the pre-proposal conference agenda and in the specification it states that the Performance Bonds, Payment Bonds and AIA A201-2017 Contract are due with the proposal forms on bid day. Generally, these are signed / turned in after the contract is awarded to the selected GC. Please advise.

Proposal Bond form is attached.

Item No. 5 Can you share the names of the firms that submitted qualifications by the deadline?.
Proposals from Offerors will be opened in public and read aloud on January 25, 2022 at 3:30 pm CST in the FISD Boardroom 402 Laurel Dr, Friendswood, TX 77546.

Civil

Item No. 6

Provide information for the medium duty asphalt paving shown on C-301. Asphalt paving is not shown on C-501 or C-502. Do the asphalt track details on C-506 apply to the asphalt fire lane paving shown on C-301? Details for the track show 12" stabilized subgrade, 8" crushed limestone base, and 3" asphalt (HMAC). Does the same concrete track curb also apply at the asphalt paving for the fire lane?

Yes, the asphalt track details and concrete track curb will apply to the fire lane paving as shown on C 301.

Item No. 7

Do the grass pavers shown on C-301 have a concrete edge / curb? The section detail on C-506 does not show a concrete edge. I would think this does have a concrete edge to receive the fire lane striping shown on C-103.

Yes, a 12" concrete border in shown in the landscape drawings.

Item No. 8

Confirm that the subgrade for the grass pavers is not lime stabilized.

The subgrade for the grass pavers will not be lime stabilized.

Landscape

Item No. 9

Specification 32 14 16 indicates clay brick pavers with mortar setting bed and mortar joints, but we do not find this on the plans. The only pavers found were the grass pavers which are a different product / system. Please confirm or clarify.

No clay brick pavers are used on the project.

Item No. 10

Clarify the extent of the synthetic turf at the amphitheater. The section details on AS-303 show synthetic turf at the tiered seating areas and also at the sloped area behind the amphitheater. I looked at AS-203 to see the extent of the synthetic turf sloped behind the amphitheater, but it is not noted. I also looked at L2.02, but it is not noted there either. L4.02 shows sod / planting behind the tiered amphitheater seating. If synthetic turf is installed behind the tiered amphitheater seating, I believe a concrete edge will be needed wherever the synthetic turf stops.

Extent is shown through hatching on the landscape drawings. Use bender board in lieu of concrete edging.

Architectural

Item No. 11

Clarify the doors and hardware for Alternate #2 that will be installed in frame type SF-7.

Follow door elevation type A with Door Hardware 203

Item No. 12

Provide a specification or product data for the synthetic turf shown on AS303 at the outdoor seating (base bid). The note on the plan refers to specifications, but I did not find it.

32 18 23.28 Non Infilled Recreational Synthetic Turf System is added.

Item No. 13

Provide a specification or product data for the gym flooring.

Refer to spec 09 65 16

Item No. 14

Provide a specification or product data for the display cases (shown on A101E, A101F, A530, and A844).

Display cases are built-in and shown and detailed on sheet A-844 on detail 9

Item No. 15 Confirm that lightning protection is not required. No specification found.

Confirmed

Item No. 16 AS-101 indicates gates GA-4 and GA-5 to be 27'-0" wide. C-101 indicates 25' sliding gates. Please clarify which width is correct. Please confirm that detail 12/AS-302 applies to these gates.

Width for ornamental sliding gate to be 25'-0"

Item No. 17 Confirm that gate GA-6 is similar to GA-7 using detail 18/AS-301.

Confirmed.

Item No. 18 Specification 34 71 13 indicates (aluminum) Horizontal Pivot Swing Barriers. Where does this occur on the plans? What is the detail? I thought maybe the service yard gates GA-6 and GA-7, but detail 18/AS-301 indicates a steel gate frame with prefinished metal panels.

Not used

Item No. 19 Clarify the flagpole height. AS-101 indicates 30'. Specification 10 75 16 indicates 35'.

Flagpole to be 30'-0"

Item No. 20 Reference Door Schedule. Multiple door frames area indicated with Frame Material "AL". It is not clear which openings are storefront and which openings are Frameworks Alum Door Frames. Please define storefront frames and alum door frames with separate notations. Please advise.

On A-804 Door Frame Configuration, all type 1 and 2 interior alum door frames will be interior alum frames per spec 08 12 16, Otherwise, any alum frames to be storefront or curtain wall system.

Item No. 21 Depicted in the drawings are several sets of "Cast Aluminum Letters". One set is mounted on the canopy to read "C.W. Cline Elementary School" 18in tall. Another set is to read "Cline" at 48in tall. The third set, the text is to be determined, also 18in tall. The specifications indicate there is a set of "Reverse Channel Letters". Which set is the "Reverse Channel Letter"? Are the reverse channel letters illuminated and what are the lighting specifications? And can all three sets be fabricated aluminum letters, rather than cast?

48" tall "Cline" Letters to be illuminated reverse channel letters. Other two letter signs are to be cast Aluminum without illumination.

Item No. 22 For the ADA Signage – are the faces laminated? The spec sheet indicates laminate, the drawings specify "acrylic to match paint color". Are the faces of the ADA signs painted acrylic, if so, how thick is the acrylic? If the faces are laminate, are they painted laminate or is there a laminate color that can be provided for bidding purposes?

Solid Acrylic, no lamination but with raised lettering, numbers, braille and characters as shown on the drawings

Item No. 23 Sheet S-500 provides a wide flange alternate, this alternate is not included in the 00 40 10 Alternate Proposal Form. Please clarify.

Alternate is added on revised proposal form.

Item No. 24 Only the boring logs are provided, can a full copy of the geotech be provided?

Yes, per the spec, it is available by request.

Item No. 25 Quartz countertop at all sink locations, otherwise PL-2 finish on countertop U.N.O.

Refer to sheets A-841, A-842, A-843 and A-844 on Addendum No.2

Mechanical

Item No. 26 Refrigerant piping sizes? Pipe sizes are slightly different depending on selected manufacturer. Refer to manufacturers' requirements.

Technology

Item No. 27 Fiber type and strand count? Multimode 12 strand.

SPECIFICATIONS

Item No. 1 **00 40 10 – ALTERNATE PROPOSAL FORM**
a. Revised Form with descriptions.

Item No. 2 **00 50 02 – PROPOSAL BOND**
a. Added form.

Item No. 3 **01 23 00 – ALTERNATES**
a. Added Alternate 17 & 18.

Item No. 4 **07 27 26- 8 FLUID APPLIED AIR BARRIER SYSTEM**
a. Added W.R meadows Air-Shield SMP as approved Sheathing joint Membrane product.

Item No. 5 **08 11 16 – ALUMINUM DOORS AND FRAMES**
a. Deleted section in entirety

Item No. 6 **08 33 13 – COILING COUNTER DOORS**

a. Add section:

Basis of Design for Fire Rated Coiling Counter Doors is Model ERC11 by Cornell. Motor Operation Basis of Design: **AlarmGard Series Electric Tube Motor:** UL, cUL listed NEMA 1 enclosure, 115v/ 60 Hz/ single phase service. Provide a totally enclosed non ventilated motor, removable without affecting the setting of limit switches; thermal overload protection, planetary gear reduction, adjustable rotary limit switch mechanism and a transformer with 24v secondary output. All internal electrical components are to be prewired to terminal blocks.3548

a. Provide a failsafe tubular motor operated fire shutter assembly requiring no ancillary or externally mounted release devices, cables, chains, pulleys, reset handles or mechanisms
b. Provide an internal electrical failsafe release device that requires no additional wiring, external cables or mounting locations
c. Provide an internal solenoid brake mechanism to hold the door at any position during normal door operation
d. Control automatic closure speed with an internal, totally enclosed, variable rate centrifugal governor without the use of electrical pulsation, constant rate viscosity, oscillation type or other exposed governing devices
e. Electrically activate door system automatic closure by notification from central alarm system
f. Maintain automatic closure speed at not more than 12" (229 mm) per second.
g. Enable safety edge function during alarm gravity closing while power is present. Enable door to rest upon obstruction following this sequence.
h. Electrically reset internal failsafe release device and door operating system upon restoration of electrical power and upon clearing of the alarm signal without requiring human supervision
i. Provide selectable ability for the door system to automatically self-cycle to the fully open position following automatic reset without requiring human supervision
j. Ensure that manual resetting of spring tension, release devices, linkages or mechanical dropouts will not be required
k. Notify electrical contractor to mount control station(s) and supply the appropriate disconnect switch, all conduit and wiring per the door system wiring instructions
l. Drop test and reset door system twice by all means of activation and comply fully with NFPA 80 Section 5

Item No. 7 **Section 08 33 23 – OVERHEAD COILING DOORS**

a. Add section:

Basis of Design for Fire Rated Overhead Coiling Door is Model ERD11 by Cornell. Motor Operation Basis of Design: **AlarmGard Advanced Fire Door Motor Operation:** UL, cUL listed NEMA 1 enclosure, horsepower as recommended by manufacturer, 115v single phase service. Provide a totally enclosed non ventilated motor, removable without affecting the setting of limit switches; thermal overload protection, planetary gear reduction, adjustable rotary limit switch mechanism and a transformer with 24v secondary output. All internal electrical components are to be prewired to terminal blocks.

a. Provide a failsafe motor operated door assembly requiring no ancillary or externally mounted release devices, cables, chains, pulleys, reset handles or mechanisms

b. Provide an internal electrical failsafe release device that requires no additional wiring, external cables or mounting locations.

c. Provide an internal solenoid brake mechanism to hold the door at any position during normal door operation.

d. Provide logic for 1 fully monitored safety reversing devices such that the failure of any single monitored device will cause the motor operator to automatically revert to constant pressure to close.

e. Electrically activate door system automatic closure by notification from central alarm system or [power outage

f. Provide an automatic alarm closure selectable time delay of zero or ten seconds.

g. Control automatic closure speed with an internal, totally enclosed, variable rate centrifugal governor without the use of electrical pulsation, constant rate viscosity, oscillation type or other exposed governing devices.

h. Maintain automatic closure speed at not more than 9” (229 mm) per second.

i. Enable safety edge function during alarm closing while power is present for [1) cycle. Enable door to rest upon obstruction following this sequence.

j. Electrically reset internal failsafe release device and door operating system upon restoration of electrical power and upon clearing of the alarm signal without requiring human interaction.

k. Provide selectable ability for the door system to automatically self-cycle to the fully open position following automatic reset without requiring human interaction.

l. Provide an integral, non-resettable cycle counter.

m. Ensure that manual resetting of spring tension, release devices, linkages or mechanical dropouts will not be required.

n. Provide minimum #50 roller chain for drive connection from motor drive assembly to the door drive shaft.

o. Install system only with manufacturer supplied or specified fasteners.

p. Notify electrical contractor to mount control station(s) and supply the appropriate disconnect switch, all conduit and wiring per the door system wiring instructions.

q. Drop test and reset door system twice by all means of activation and comply fully with NFPA 80 Section 5.

Item No. 8 **08 41 13 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS**

Added section:

2.5 FOLDING ENTRANCES AND STOREFRONT ASSEMBLY

A. Basis of Design: Model TFVG 450 as manufactured by Kawneer or comparable product approved by Architect.

B. Framing Members: Extruded aluminum framing members of thickness required and reinforced necessary to support imposed loads.

1. Construction: Nonthermal/Thermal.
2. Glazing System: Retained mechanically with gaskets on four sides.

3. Glazing Plane: Center.
4. Framing Size: 4-1/2 inch deep with a 1-3/4 inch sightline.
5. Finish: Dark Bronze.

Item No. 7 **09 67 13 -2 EPOXY FLOORING**

a. Added Florock FloroQuartz-HB with custom color to approved epoxy floor manufacturers.

Item No. 8 **09 65 16-4 VINYL SHEET FLOORING**

a. Added Vector Concepts Taraflex Sport M Plus as approved product.

Item No. 9 **10 22 39 2.1A FOLDING PANEL PARTITIONS**

a. Added Moderco Excel 742, manual, trimless to approved products and manufacturers.
b. Added Moderco Excel 743-E, Electric operation, trimless to approved products and manufacturers.

Item No. 10 **10 82 00 PREFINISHED ALUMINUM EQUIPEMENT SCREENS**

a. Added RoofScreen Vision Guard L10 Angled Louver to approved products and manufacturers.

Item No. 11 **23 09 23 – DIRECT DIGITAL CONTROLS**

a. Under section 1.11 Warranty, delete paragraph A,2 in its entirety as follows:

2. Provide graphic modifications for a period of 3 years from date of substantial completion. This shall include room number and equipment modifications as requested by the owner.

Item No. 12 **23 74 13 – PACKAGED, OUTDOOR, CENTRAL-STATION AIR HANDLING UNITS**

a. Under section 1.8 Warranty, revise paragraph B in its entirety as follows:

B. Provide an extended four (4) year compressor only party warranty for all roof top units. Local or field rebuilt compressors are not acceptable.

b. Under section 2.4-D, revise paragraph 1 in its entirety as follows: Aluminum microchannel construction in aluminum casing with equalizing-type vertical distributor.
c. Under section 2.4-D, delete paragraphs 2.
d. Under section 2.4-E, revise paragraph 1 in its entirety as follows: Aluminum microchannel construction in aluminum casing with equalizing-type vertical distributor.
e. Under section 2.4-E, delete paragraphs 2.

Item No 13 **21 30 00 – FIRE PUMPS AND EQUIPMENT**

a. Modify item 2.3.F.5.g and item 2.3.F.6.e to indicate chrome plated finish for exposed parts.
b. Modify item 2.7.B to indicate 100,000 circuit breaker, wye-delta closed transition, automatic transfer switch, and sequence start timer.
c. Remove item 2.7.E from specifications.
d. Remove item 2.7.F from specifications.

Item No 14 **22 11 16 – DOMESTIC WATER PIPING**

a. Remove item 1.5.C from specifications.
b. Remove item 2.2.B from specifications.
c. Remove item 2.3.A.2.c from specifications.
d. Remove item 2.3.B from specifications.
e. Remove items 2.4.A.1 and 2.4.A.3 from specifications.
f. Remove items 2.4.B.1 and 2.4.B.3 from specifications.

Item No 15 **22 20 23 – GAS PIPING**

a. Remove verbiage referencing press fittings for below grade natural gas piping from specifications.
b. Modify verbiage to only reference welded fittings for above grade (indoor) natural gas piping in specifications.
c. Remove item 2.4.A.3 in its entirety.

Item No 16 **22 22 00 – CONDENSATE PIPING**

a. Remove specification section in its entirety.

Item No 17 **22 40 00 – PLUMBING FIXTURES**

a. Remove item 2.1.D.5 from specifications, WC – 3 fixture type added to indicate Pre-K & K restroom fixtures.
b. Add item 2.2 CHILD TYPE WALL MOUNTED WATER CLOSETS (WC – 3) to specifications for fixtures at Pre-K and K restrooms.
c. Update verbiage to indicate only Sloan and Zurn as acceptable fixture trim manufacturers for water closets and urinals
d. Update verbiage to indicate only Sloan and Chicago as acceptable fixture trim manufacturers for lavatories.
e. Update verbiage to indicate only Chicago and American Standard as acceptable fixture trim manufacturers for sinks.
f. Section 2.5: trim for wash fountains shall be Chicago 802-VE2805-665ABCP metering faucet.
g. Remove item 2.13 D in it's entirety.

Item No 18 **27 10 00 – STRUCTURED CABLING SYSTEM**

a. Fiber between the MDF and IDFs shall be 12-strand single mode, OS2.
b. Patch cables and jacks in MDF/IDF shall incorporate the following color schedule:
   1. Phones - Dark Green, Data – Blue, Access Points – Red, CCTV – Orange, Security - Lime Green, PA Systems – White

Item No 19 **28 23 00 – IP SECURITY CAMERA SYSTEM**

a. Section 2.01 A: Delete 'security camera' from in front of 'data cabling contractor'.
b. Sections 2.02 A, D, and E: Delete these sections.
c. The cameras required for this project are (delete the others listed):
   1. Exterior multisensor: Axis P3717-PLE.
   2. Exterior fixed: Axis P3245-LVE
   3. Interior Multisensor: Axis P3717-PLE.
   4. Interior Fixed: Axis P3245-LV.
d. All references to CAT6A in this section shall be revised to CAT6.
e. Delete references in this section to a security office and separate LCD for monitoring.

Item No. 20 **32 18 23.28 NON INFILLED RECREATIONAL SYNTHETIC TURF SYSTEM**

a. Added section

DRAWINGS

Item No. 1 **C 003 DEMOLITION PLAN:**

a. Added callout to demolish approximately 175 sqft of concrete sidewalk and adjusted demolition hatch.

Item No. 2 **C 101 SITE PLAN:**

a. Added approximately 175 sqft of concrete sidewalk.
b. Added approximately 560 sqft of concrete bike rack area.

Item No. 3 **C 102 Dimensional Control Plan:** Added dimensions to proposed bike rack.

Item No. 4 **C 201 DRAINAGE PLAN:**

a. Adjusted top of grate elevations on Inlets CB 1.1, CB 1.1.1, CB 1.2.2, CB 1.6, CB 1.7, CB 2.1, and CB 3.1. Adjusted pipe lengths on pipes from CB 1.2 to CB 1.3, CB 1.2.1 to CB 1.2.3, CB 1.6 to AI 1.8, and CB 2 to CB 2.1.

Item No. 5 **C 230 STORM SEWER CALCULATIONS:**

a. Updated storm calculations to reflect top of grate elevation changes and pipe length changes.

Item No. 6 **C 301 PAVING AND GRADING PLAN:**

a. Assigned grade elevations to contours, added spot elevations to area behind school.
b. Adjusted grades in bus drive and around ADA ramps, and added grades to proposed bike rack.

Item No. 7 **L4.01, L4.02, L4.03, L4.04 PLANTING PLAN**

a. Wax Leaf Ligustrum will be swapped with current plant material along parking perimeter curbs.

Item No. 8 **L1.03 GRADING PLAN**

a. French drain on running track interior has been removed
b. 3 landscape lawn drains removed from northeast side of the track
c. Spot elevations updated on the northeast side of the track to drain that portion to the south/track interior

Item No. 9 **L2.001 MATERIALS SCHEDULE**

a. Removed bike racks from Amenity Schedule

Item No. 10 **L2.01 MATERIALS PLAN**

a. Bike racks removed from plan

Item No. 11 **L2.02 MATERIALS PLAN**

a. Concrete Pad added adjacent to parking lot

Item No. 12 **L4.02 PLANTING PLAN**

a. 2 trees removed and planting updated to accommodate concrete pad addition

Item No. 13 **The following sheets shall be replaced in their entirety: S-101A, S-101B, S-101C, S-101D, S-101E, S-101F, S-101G, S-102A, S-102B, S-102C, S-102D, S-102E, S-102F, S-102G, S-103B, S-103C, S-103D, S-103E, S-103F, S-103G, S-104BC, S-104CD, & S-104DE**

Item No. 14 **The following sheets have been added to the structural drawings: S-319, S-528, & S-529.**

Item No. 15 **Sheet S-200 – STRUCTURAL BRACED FRAME ELEVATIONS**

a. 6/S-200: Brace sizes changed from HSS6x6x3/8 to HSS8x8x3/8". Worst case load combination revised to 165 kips (ASD).

Item No. 16 **Sheet S-203 – STRUCTURAL BRACED FRAME ELEVATIONS**

a. 2/S-203: Brace sizes changed from HSS6x6x3/8 to HSS8x8x3/8".

Item No. 17 **Sheet S-304 – GENERAL GRADE BEAM NOTES AND TYP DETAILS**

a. In Grade beam schedule: GB 1 remarks changed to “2 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
b. In Grade beam schedule: GB 2 remarks changed to “4 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
c. In Grade beam schedule: GB 3 remarks changed to “6 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
d. In Grade beam schedule: GB 4 top and bottom reinforcing revised to 7#8 T&B. #4 ties at 8” oc, and remarks changed to “6 LEGS - TIES SPACING 1@2", R@6" @ CANTI AND BENEATH INTERMEDIATE COLUMNS”
e. In Grade beam schedule: GB 5 tie spacing revised to 8” oc, and remarks changed to “6 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
f. In Grade beam schedule: GB 6 remarks changed to “2 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
g. In Grade beam schedule: GB 7 remarks changed to “2 LEGS - TIES SPACING 1@2", R@6" @ CANTI”
h. In Grade beam schedule: GB 8 top and bottom reinforcing revised to 7#8 T&B. #4 ties at 8” oc, and remarks changed to “6 LEGS - TIES SPACING 1@2", R@6" @ CANTI”

Item No. 18 **Sheet S-306 – GENERAL FOUNDATION NOTES AND TYP DETAILS**

a. 42/120 pier added to pier schedule. Shaft diameter = 3’-6”, Bell diameter = 10’-6”, Vert reinf = (8) #9, #3 ties at 12” oc.

Item No. 19 **Sheet S-316 –FOUNDATION DETAILS AND SECTIONS**

a. Detail 1 & 4 revised. See revised sheet.

Item No. 20 **Sheet S-317 – FOUNDATION DETAILS AND SECTIONS**

a. Details 5, 6, 7, & 8 revised. See revised sheet.

Item No. 21 **Sheet S-402 – GENERAL CMU NOTES AND TYP DETAILS**

a. Details 6 & 7 added to sheet. See revised sheet.

Item No. 22 **Sheet S-503 – GENERAL STEEL NOTES AND TYP DETAILS**

a. Detail 1: Note which stated “HSS STUB OUT TO MATCH HORIZONTAL BEAM DIMENSION AND COLUMN WIDTH DIMENSION” revised to “HSS STUB OUT TO MATCH VERTICAL BEAM DIMENSION AND COLUMN WIDTH DIMENSION. STUB-OUT TO BE 3/8" THICK TUBE STEEL (TYP.).”
b. Detail 4: Note which stated: “HSS STUB OUT TO MATCH HORIZONTAL BEAM DIMENSION AND COLUMN WIDTH DIMENSION” revised to “HSS STUB OUT TO MATCH VERTICALBEAM DIMENSION AND COLUMN WIDTH DIMENSION. STUB-OUT TO BE 3/8" THICK TUBE STEEL (TYP.).”

Item No. 23 **Sheet S-504 – GENERAL STEEL NOTES AND TYP DETAILS**

a. Detail 10 added to sheet. See revised sheet.

Item No. 24 **Sheet S-511 – GENERAL COMPOSITE STEEL NOTES AND TYP DETAILS – CONT**

a. Detail 3 revised. See revised sheet.
b. Detail 7 added. See revised sheet.

Item No. 25 **Sheet S-521 – GENERAL STEEL NOTES AND TYP DETAILS**

a. Details 3 & 4 revised. See revised sheet.

Item No. 26 **Sheet S-523 – GENERAL STEEL NOTES AND TYP DETAILS**

a. Details 9 & 10 added to sheet. See revised sheet.

Item No. 27 **Sheet S-524 – STEEL ROOF FRAMING SECTIONS AND DETAILS**

a. Details 1, 2, 4, 6, & 8 revised. See revised sheet.

Item No. 28 **Sheet S-525 – STEEL ROOF FRAMING SECTIONS AND DETAILS**

a. Details 1, 2, 3, 6, 7, & 9 revised. See revised sheet.

Item No. 29 **Sheet S-526 – STEEL ROOF FRAMING SECTIONS AND DETAILS**

a. Details 3, 4, & 6 revised. See revised sheet.

Item No. 30 **Sheet S-527 – STEEL ROOF FRAMING SECTIONS AND DETAILS**

a. Details 1 & 2 revised. See revised sheet.
b. Details 3, 4, 5, 6, 7, & 8 added to sheet. See revised sheet.

Item No. 31 **Sheets A-101B1, A-101C1, A-101D1, A-101E1, A-102B1, A-102C1, A-102D1 AND A-102E1**

a. Revised frame elevation and remarks on door schedule
b. Revised door schedule remarks

Item No. 32 **GENERAL FOR ALL DOOR SCHEDULES**

a. Deleted all door schedule remarks except 5. Rename Note 5 to Note 1
b. Where frame elevation 3 is called out replace with frame elevation 2

Item No. 33 **GENERAL FOR MATERIAL FINISH SCHEDULE**

a. Revise note to read as follows TRZ-2 Terrazzo Marble & Supply; Sand Bed, Custom Color to Match TM20GG-1237; Integral Terrazzo Base (Gray Accent)

Item No. 34 **Sheet G-001- SHEET INDEX**

a. Remove A903 signage schedule from sheet index.

Item No. 35 **Sheet AS-101 – ARCHITECTURAL SITE PLAN**

a. Added Bike rack and concrete pavement.

Item No. 36 **Sheet AS-204 – ENLARGED SITE PLAN & DETAILS**

a. Revised notes for screen wall re-bar details.

Item No. 37 **Sheet AS301 – SITE DETAILS**

a. Detail 18 – Revise height to 8'-0"

Item No. 38 **Sheet AS302 – SITE DETAILS**

a. Revised details 01, 03, 07 and 08

Item No. 39 **Sheet AS303 – SITE DETAILS**

a. Revised name for details 05, 10 and 15 to Add "Alternate #9"

Item No. 40 **Sheet A-101B – 1ST LEVEL – FLOOR PLAN – AREA B**

a. Add column furrout at grids 60 and Z

Item No. 41 **Sheet A-101C – 1ST LEVEL – FLOOR PLAN – AREA C**

a. Add 1 hour rating to wall around room C116 – Wall Type S3A
b. Add 1 hour rating to door C116
c. Revised wall corner condition at Maker Space B106.

Item No. 42 **Sheet A-101F1 – 1ST LEVEL – SCHEDULES – AREA F**

a. Revised frame elevation and remarks on door schedule
b. Revised room finish schedule F105A Cooler/Freezer floor finish to Concrete broom finish.
c. Revised door schedule remarks
d. Revised room finish schedule

Item No. 43 **Sheet A-101F – 1ST LEVEL – FLOOR PLAN – AREA F**

a. Shift east and west wall at room F110

Item No. 44 **Sheet A-101G1 – 1ST LEVEL – SCHEDULES – AREA G**

a. Revised room finish schedule
b. Revised door schedule remarks

Item No. 45 **Sheet A-101F1 – 1ST LEVEL – SCHEDULES – AREA F**

a. Revised frame elevation and remarks on door schedule
b. Revised door schedule remarks
c. Revise room finish schedule

Item No. 46 **Sheet A-431 – ENLARGED ELEVATOR & RAMP PLANS, SECTIONS & DETAILS**

a. Revised details 03, 10, 13, 14 and 15
b. Revise room finish schedule

Item No. 47 **Sheet A-502, 503, 504, 505, 506 – EXTERIOR ELEVATIONS**

a. On Material Classification, Revised 'R-1 to Louvered Equipment Enclosure – Ruskin EV211 – Color TBD'.

Item No. 48 **Sheet A-804 – DOOR AND FRAME ELEVATIONS**

a. Revise door panel type G description from 'OPERABLE STOREFRONT" to "FOLDING ENTRANCE ASSEMBLY"
b. Door Frame Configuration, added note 'All type 1 and 2 interior alum door frames will be interior alum frames per spec 08 12 16'.

Item No. 49 **Sheet A-841 – CASEWORK ELEVATIONS**

a. Revised details 02, 03, 04, 18, 19 and 20
b. Revised note for all undercounter ice makers to be OFCI in lieu of CFCI

Item No. 50 **Sheet A-842 – CASEWORK ELEVATIONS**

a. Revised details 05, 07, 09, 10, 12, 14, and 20

Item No. 51 **Sheet A-843 – CASEWORK ELEVATIONS**

a. Revised details 06, 08, 11, 13, 15, 18, 19, and 20

Item No. 52 **Sheet A-844 – CASEWORK ELEVATIONS**

a. Revised details 05 and 06

Item No. 50 **Sheet M-101A, B, C, D, E, F, G, 102, B, C, D, E, 201A, B, C, D, E, 202B, C, D, E**

a. Revise general note # 4 as "Contractor shall provide condensate drain line for all units as shown on plans. Refer to plumbing drawings for condensate drain locations and sink trap connection details. Provide insulation and aluminum jacketing for all exposed condensate piping. Contractor shall provide ¾"Ø condensate drain line for single fan coil units. For multiple fan coil units served by one main condensate drain line, the main line shall be sized 1"Ø. Refer to piping plans for drain line routings."

Item No. 51 **Sheet M-101A – Mechanical – 1st Level – Floor Plan – Area A**

a. Delete FCU-A1-01-04, associated outside air duct tap,
b. In Large Conference Room (A119), revise two (2) supply taps and associated flex ducts to 8"Ø. Revise two (2) supply diffusers to 8"Ø connection with 230 CFM each.
c. In Counselor Reception (A120), add one (1) 8"Ø supply tap of length 7'-0", flex duct of size 8"Ø and supply diffuser type 'A' 8"Ø connection, 60 CFM.
d. Rename FCU-A1-01-23 to FCU-A1-01-04.

Item No. 52 **Sheet M-101B – Mechanical – 1st Level – Floor Plan – Area B**

e. Provide fire damper in 36"x6" duct penetration in B112.
f. Provide one (1) 32"x16" return opening and one (1) 36"x18" internally lined elbow in B112.
g. Provide one (1) 32"x16" return opening and (1) 36"x18" internally lined elbow in B113.
h. Provide one (1) 16"x8" return opening in B115, B116, B117, B118, B107, B108.
i. Provide a fire damper where the ductwork passes through fire wall between building 1 & 2.

Item No. 53 **Sheet M-101C – Mechanical – 1st Level – Floor Plan – Area C**

a. Add one (1) 36”x18” internally lined elbow in C123. Provide (2) 32”x16” return openings in C122. Provide one (1) 32”x16” return opening in C117.
b. Provide one (1) 16”x8” return opening in C124, C125, C126, C104, C105, C107, C106.
c. Provide one (2) 32”x16” returns and one (1) 36”x18” internally lined elbow in C111.
d. Provide one (1) 16”x8” return air opening in plan West wall of Storage (C101A), (C102A).
e. Rename fan coil unit serving First Grade (C125) to FCU-C1-01-04.

Item No. 54 **Sheet M-101D – Mechanical – 1st Level – Floor Plan – Area D**

a. For FCU-C1-01-05, revise outside air supply duct routing. Add 10’-0” of 10”Ø duct length and four (4) 45° elbows. Remove one (1) 90° elbow.
b. In First Grade (D101), First Grade (D102), extend two (2) 10”Ø supply air taps by 4’-0” in each classroom.
c. In RR(D110A), add supply diffuser tag of type ‘G’, 8”Ø duct connection size, 70 CFM.
d. Add temperature sensor for FCU-E1-01-04 on wall plan West of room door in Resource (D111).
e. Revise type ‘A’ supply diffuser serving Corridor (E100) with type ‘J’ with 8”Ø inlet. Add one (1) 8”Ø 90° elbow and 8’-0” duct length.
f. For FCU-E1-01-03, revise outside air supply duct routing. Add four (4) 45° elbows of size 8”Ø. Add 2’-0” duct length of 8”Ø.
g. Add four (4) type ‘K’ return air grilles in Corridor (E100).
h. Revise keyed note # 5 as “Provide dryer vent booster fan. Refer to detail # 08//M-603.
j. In First Grade (D101), add one (1) 36”x18” internally lined return air transfer elbow.
k. Provide (1) 32”x16” return opening in D102. Provide (2) 32”x16” openings in D103.
l. Add (1) 36”x18” internally lined elbow, (1) 32”x16” return opening and (1) 16”x8” return in ECSC D107. Provide (1) 16”x8” return opening in ECSC D108. Provide (1) 32”x16” return in D110.
m. In ECSC (D107), (D108), add one (1) carbon dioxide sensor in each room.

Item No. 55 **Sheet M-101E – Mechanical – 1st Level – Floor Plan – Area E**

a. In E103, E104, E105, extend two (2) 8”Ø supply air taps by 4’-0” in each classroom.
b. For FCU-E1-01-05**,** revise outside air supply duct routing. Add 3’-0” of 10”Ø duct length and one (1) 45° elbow. Remove two (2) 90° elbows.
c. For FCU-E1-01-12**,** revise outside air supply duct routing. Add one (1) 90° elbow of size 10”Ø. Add 3’-0” of 10”Ø duct length.
d. In Art (E110), extend three (3) 8”Ø supply air taps by 4’-0”. Add two (2) 90° elbows.
e. For supply duct serving FCU-E1-02-01, revise duct size to 24”x12”. Remove transition to 14”x12”. Total duct length of 24”x12” duct to be 22’-0”.
f. For supply duct serving FCU-E1-02-02, revise whole length of supply ductwork to 24”x14”.
g. Revise keyed note #5 as “Provide overhead kiln ventilation system similar to Vent-A-Kiln, model 1654, negative-press. 6” exhaust duct to kiln; provide extension kit”
h. In E111A, add (2) 36”x18” internally lined elbows.
i. Add temperature and carbon dioxide sensor for FCU-E1-01-5B to E101.
j. Provide fire damper in 36”x6” duct penetration in plan East wall of Second Grade (E103).
k. Provide one (1) 16”x8” return opening in E109, E108, E107, E106, E110B, D111, and E110A.
l. Provide (2) 32”x16” return air openings in E110. Add (1) 32”x16” return in E104 and E103.
m. In E104, add one (2) 36”x18” internally lined elbows.
n. Provide a fire damper where ductwork passes thru the fire wall between building 1 & 3.

Item No. 56 **Sheet M-101F – Mechanical – 1st Level – Floor Plan – Area F**

a. Delete 1”Ø condensate drain lines routed below roof serving roof top units RTU-F1-02A, B, 03. Refer to revised roof plan M-301 for roof mounted drain lines.
b. For RTU-F1-02A, B, provide 26”x24” double walled (K-27) return air ducts.
c. Relocate combination temperature & humidity sensor serving RTU-F1-03 to plan E wall of F105.

d. Add four (4) return grilles of type 'F' in Kitchen (F105).
e. For 20"x14" supply duct serving plan North of Kitchen (F105), remove transition to 10"x14" duct and extend 20"x14" ductwork by 6'-0".
f. Provide (1) 16"x8" return opening in F107, (1) 16"x8" return in F108, (1) 16"x8" return in F102.

Item No. 57 **Sheet M-101G – Mechanical – 1st Level – Floor Plan – Area G**

a. Delete 1"Ø condensate drain lines routed below roof serving roof top units RTU-G1-01,02A, B. Refer to revised roof plan M-301 for roof mounted drain lines.
b. For RTU-F1-02A, B, provide 26"x24" double walled (K-27) return air ducts.

Item No. 58 **Sheet M-102B – Mechanical – 2nd Level – Floor Plan – Area B**

a. In B206, extend two (2) 10"Ø supply air taps by 4'-0". Extend 10"Ø outside air tap serving FCU-B2-01-12 by 2'-0" and add one (1) 90° elbow of size 10"Ø. Reroute 10"Ø outside air tap serving FCU-B2-01-04B by extending 7'-0" and adding two (2) 90° elbows of size 10"Ø. Add one (1) 36"x18" internally lined return air transfer elbow in Plan North wall above ceiling.
b. In Fifth Grade (B205), extend two (2) 8"Ø supply air taps by 4'-0". Add two (2) 90° elbows of size 8"Ø. Provide one (1) 32"x16" return air opening in plan West wall.
c. In Gifted and Talented (B204), extend two (2) 8"Ø supply air taps by 6'-0". Provide one (1) 16"x8" return air opening in plan West wall above ceiling.
d. In B207, add two (2) 36"x18" internally lined elbows. Provide one (1) 32"x16" return. Extend two (2) 8"Ø supply taps by 4'-0" and add two (2) 90° elbows of size 8"Ø.
e. In B208, B209, add two (2) 36"x18" internally lined elbows. Extend two (2) 8"Ø supply taps by 4'-0" and add two (2) 90° elbows of size 8"Ø in each classroom.
f. In B210, extend two (2) 8"Ø supply taps by 4'-0" and add two (2) 90° elbows of size 8"Ø.

Item No. 59 **Sheet M-102C – Mechanical – 2nd Level – Floor Plan – Area C**

a. In C219, provide (4) 32"x16" return air openings.
b. In Storage (C214), provide (4) 32x16 return air openings.
c. In C216, provide (2) 32"x16" return air openings.
d. In C218, provide one (1) 16"x8", and (2) 32"x16" return openings.
e. In C229, provide two (2) 16"x8" return air openings.
f. In C231, provide one (1) 32"x16" return air opening.
g. In Corridor (C227), provide one (1) 32"x16" return air opening.
h. In C233, provide one (1) 16"x8" return air opening.
i. In C206, provide (2) 16"x8" return openings.
j. In C208, provide (2) 16"x8" return openings.
k. In C203, provide (2) 16"x8" return openings.
l. In C201A, provide (2) 32"x16" return openings.
m. In C210A, provide (2) 16"x8" return air openings.

Item No. 60 **Sheet M-102D – Mechanical – 2nd Level – Floor Plan – Area D**

a. In Fourth Grade (D201), (D202), extend two (2) 10"Ø supply air taps by 4'-0" in each classroom.
b. Revise outside air duct route serving FCU-C2-01-03. Delete one (1) 90° elbow of size 10"Ø. Add four (4) 45° elbows of size 10"Ø. Extend 10"Ø outside air tap by 10'-0".
c. In Fourth Grade (D202), add one (1) 36"x18" internally lined return air transfer elbow in Plan East wall and provide one (1) 32"x16" return air opening in plan South wall above ceiling.
d. In Corridor (D200), provide one (1) 32"x16" return air opening in plan East wall above ceiling.
e. Add (6) type 'B' return grilles in E200. Add (3) type 'B' return grilles in Corridor C200.
f. Add one (1) 90° elbow of size 8"Ø in duct tap serving Corridor (E200).
g. In Third Grade (D212), relocate unit FCU-E2-01-01 plan East by 8'-0" and extend 18"x12" supply air duct by 8'-0". Extend one (1) 10"Ø supply air tap by 5'-0" and add one (1) 45° elbow

of size 10”Ø. For 10”Ø outside air tap serving FCU-E2-01-01 add 27’-0” duct length and one (1) 90° elbow of size 10”Ø. Reduce 14”x12” outside air duct length by 22’-0 and remove one (1) 90° radius elbow. Add one (1) transition between 14”x12” rectangular duct and 10”Ø round duct.

h. For FCU-E2-01-02, revise main supply duct size to 10”x14” and extend by 2’-0”. Remove one (1) supply tap, flex duct and diffuser. Revise two (2) supply taps and flex ducts to size 12”Ø each. Revise two (2) supply diffusers of type ‘A’ to 12”Ø connection size and 380 CFM each.
i. In Teacher Workroom (D211), add one (1) 36”x18” internally lined return air transfer elbow in Plan North wall, provide one (1) 32”x16” return air opening in plan South wall above room door, provide one (1) 32”x16” return air opening in plan West wall and provide two (2) 32”x16” return air openings in plan East wall above ceiling.
j. In D216, provide (4) 32”x16” return air openings.
k. In D209, provide (2) 16”x8” return air openings.
l. In D207, provide (2) 16”x8” return air openings.
m. In D203, provide (2) 16”x8” return air openings.
n. In Corridor (D200) provide one (1) 32”x16” return air opening in plan West wall above ceiling.

Item No. 61 **Sheet M-102E – Mechanical – 2nd Level – Floor Plan – Area E**

a. In Third Grade (E209), (E208), (E207), add two (2) 36”x18” internally lined return air transfer elbow in Plan East wall above ceiling in each classroom. Extend two (2) 8”Ø supply taps by 4’-0” and add two (2) 90° elbows of size 8”Ø in each classroom.
b. In Third Grade (E206), provide one (1) 32”x16” return air opening in Plan East wall above ceiling. Extend two (2) 8”Ø supply taps by 4’-0” and add two (2) 90° elbows of size 8”Ø.
c. In Learning Studio (E203), extend two (2) 8”Ø supply taps by 4’-0”. Provide one (1) 16”x8” return air opening in Plan East wall above ceiling.
d. In Third Grade (E204), extend two (2) 8”Ø supply taps by 4’-0”. Add (1) 36”x18” internally lined return air elbow and one (1) 32”x16” return air opening.
e. In Third Grade (E205), extend two (2) 8”Ø supply taps by 4’-0”.
f. Rename fan coil unit serving Third Grade (E208) to FCU-E2-01-08. Rename fan coil unit serving Third Grade (E207) to FCU-E2-01-09. Rename fan coil unit serving Third Grade (E206) to FCU-E2-01-10.

Item No. 62 **Sheet M-201A – Mechanical – 1st Level – Piping Plan – Area A**

a. Delete 1”Ø condensate drain lines routed below roof serving roof top units OA-RTU-A1-01. Refer to revised roof plan M-301 for roof mounted drain lines.
b. Delete FCU-A1-01-04, associated refrigerant and condensate drain lines.
c. Rename FCU-A1-01-23 to FCU-A1-01-04.

Item No. 63 **Sheet M-201C – Mechanical – 1st Level – Piping Plan – Area C**

a. For FCU-C1-02-06, extend two (2) refrigerant lines and one (1) ¾”Ø condensate drain line by 8’-0” each.
b. Rename fan coil unit serving First Grade (C125) to FCU-C1-01-04.

Item No. 64 **Sheet M-201D – Mechanical – 1st Level – Piping Plan – Area D**

a. For FCU-C1-01-01, extend two (2) refrigerant lines and one (1) ¾”Ø condensate drain line by 3’-0” each.

Item No. 65 **Sheet M-201E – Mechanical – 1st Level – Piping Plan – Area E**

a. For FCU-E1-01-10, 11, extend two (2) ¾”Ø condensate drain lines by 8’-0” each.
b. For FCU-E1-02-02, extend one (1) ¾”Ø condensate drain lines by 3’-0” each.

c. For three (3) refrigerant lines routed from HRU-E1-01 on roof, extend line lengths by 54'-0" each. For three (3) refrigerant lines serving HRB-E1-01-01, extend line lengths by 70'-0" each. Refer to sheet M-401 for VRF schematic piping diagram.

Item No. 66 **Sheet M-202C – Mechanical – 2nd Level – Piping Plan – Area C**

a. Delete 1"Ø condensate drain lines routed below roof serving roof top units OA-RTU-B2-01, C2-02, C1-02, B1-01, E1-01, C1-01, RTU-B1-01, 02. Delete 2"Ø main condensate drain line serving roof top units. Refer to revised roof plan M-301 for roof mounted drain lines.
b. For FCU-C2-02-05, extend two (2) refrigerant lines and one (1) ¾"Ø condensate drain line by 6'-0" each.
c. Delete keyed notes #8, 9.

Item No. 67 **Sheet M-202D – Mechanical – 2nd Level – Piping Plan – Area D**

a. Delete 1"Ø condensate drain lines routed below roof serving roof top units OA-RTU-E2-01, C2-01. Delete 2"Ø main condensate drain line serving roof top units. Refer to revised roof plan M-301 for roof mounted drain lines.
b. Delete keyed notes #7, 8.

Item No. 68 **Sheet M-202E – Mechanical – 2nd Level – Piping Plan – Area E**

a. For FCU-E2-01-12, extend one (1) ¾"Ø condensate drain line by 6'-0".
b. Rename fan coil unit serving Third Grade (E208) to FCU-E2-01-08. Rename fan coil unit serving Third Grade (E207) to FCU-E2-01-09. Rename fan coil unit serving Third Grade (E206) to FCU-E2-01-10.

Item No. 69 **Sheet M-301 – Mechanical Roof Plan (REPLACE SHEET)**

Item No. 70 **Sheet M-401 – Mechanical VRF Piping Schematic Diagram (ADD SHEET)**

Item No. 71 **Sheet M-501 – Mechanical Schedules**

a. Packaged, Outdoor, Central-Station Air-Handling Units Schedule:
   i. Revise schedule note #11 as "Cooling coils shall have galvanized steel coil casings with E-coat and galvanized steel coil supports."
   ii. Revise schedule note #24 as "Hot gas reheat and condenser coils shall be microchannel. Evaporator coils shall be copper / aluminum."

Item No. 72 **Sheet M-502 – Mechanical Schedules**

a. Variable Refrigerant Volume System Fan Coil Unit Schedule:
   i. Delete fan coil unit FCU-A1-01-04. Rename FCU-A1-01-23 to FCU-A1-01-04.

Item No 73 **Sheet ES-101 ELECTRICAL SITE PLAN**

a. Overhead utility primary is located off the page on the plan west side. Coordinate extension of existing overhead primary with utility.

Item No 74 **Power Plans – General**

a. Provide (1) 20A 120V emergency circuit per first floor area for power to access control power supplies, with junction box at each exterior door.
b. Provide a duplex receptacle in each stairwell, on first and second floors.
c. Provide power to magnetic door hold opens at entrance to each stairwell in areas C and D. (1) 20A 120V circuit each to nearest 120V panel.

Item No 75 **Sheet EP-101A – 1st level – Power Plan – Area A**

a. Removed FCU-A1-01-04, disconnect and branch circuitry. Wiring shall be via #2, 1#12G, 3/4" conduit.

Item No 76 **Sheet EP-101D – 1st level – Power Plan – Area D**

a. Added disconnect switch and branch circuitry to dryer booster exhaust fan in plan North East corner of Storage Room D110B. Wiring shall be via #2, 1#12G, 3/4" conduit.

Item No 77 **Sheet EP-101D – 1st level – Power Plan – Area D**

a. Relocated FCU-G1-02, disconnect and branch circuitry from PE Storage G109 to Boiler room G111.

Item No 78 **Lighting Plans – General**

a. In any area labeled MC-1 "Exposed Roof Deck" or "Open to Deck Above" (RE: sheets A-021 and A-022), junction boxes for lighting and the conduit serving them shall be mounted within deck system.

Item No 79 **Sheet P-000 – PLUMBING COVER SHEET**

a. Remove item (A.) under PROJECT GENERAL NOTES, item (A.) to read "NOT USED".
b. Remove item (M.) under PROJECT GENERAL NOTES, item (M.) to read "NOT USED".
c. Remove item (1.) under PLUMBING TESTING NOTES, item (1.) to read "NOT USED".

Item No 80 **Sheet PU-101B – PLUMBING 1ST LEVEL – UNDERFLOOR PLAN – AREA B**

a. Modify sanitary piping serving SK – 1 in WORKROOM/BREAKROOM B112 to include added FCO – 3" in WORKROOM/BREAKROOM B112 at end of 3" SS branch serving said SK – 1.

Item No 81 **Sheet PU-101G – PLUMBING 1ST LEVEL – UNDERFLOOR PLAN – AREA G**

a. Shift below grade gas main serving gas meter in service yard 6'-0" plan south.

Item No 82 **Sheet P-101B – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA B**

a. Add FCO – 3" in WORKROOM/BREAKROOM B112.
b. Change WC – 2 fixtures in RR B113A, RR B114A, RR B115A, RR B116A, RR B117A and RR B118A to be WC – 3 fixture type, per updated specifications and updated schedules.
c. Keyed notes #11 and 12 shall be updated to state piping is to be routed THROUGH beams.

Item No 83 **Sheet P-101C – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA C**

a. Change WC – 2 fixtures in RR C109A and RR C111A to be WC – 3 fixture type, per updated specifications and updated schedules.
b. Keyed notes #13 and 14 shall be updated to state piping is to be routed THROUGH beams.

Item No 84 **Sheet P-101D – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA D**

a. Keyed notes #4 and 5 shall be updated to state piping is to be routed THROUGH beams.

Item No 85 **Sheet P-101E – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA E**

a. Keyed notes #7 and 8 shall be updated to state piping is to be routed THROUGH beams.

Item No 86 **Sheet P-101F – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA F**

a. Add WH – 1 at plan south (exterior) wall in DRY STORAGE F107 and extend 3/4" CW branch line from nearby cold water main in KITCHEN F105.
b. Add general note for the kitchen area as follows, "GENERAL NOTE FOR THE KITCHEN AREA: REFER TO THE FOODSERVICE DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS OF THE PLUMBING CONTRACTOR. PROVIDE BACKFLOW PREVENTION DEVICES AT EQUIPMENT AS REQUIRED".

c. Add keynote #16 at handwash sinks in KITCHEN F105 to read, “KITCHEN HAND SINKS FURNISHED BY DIVISION 11 AND INSTALLED BY DIVISION 22”.
d. Add keynote #17 at gas piping down from roof above to read, “NATRUAL GAS LINE SHALL BE ROUTED EXPOSED ON WALL BEHIND EQUIPMENT, REFER TO FOODSERVICE DRAWINGS FOR ADDITIONAL ROUTING INFORMATION. NATURAL GAS SHUTOFF VALVE IN RISER PROVIDED BY ANSUL CONTRACTOR AND INSTALLED BY DIVISION 22”.

Item No 87 **Sheet P-101G – PLUMBING 1ST LEVEL – FLOOR PLAN – AREA G**
a. Shift gas meter in service yard 6’-0” plan south, away from dumpsters, for additional install and operational clearance.

Item No 88 **Sheet P-102B – PLUMBING 2ND LEVEL – FLOOR PLAN – AREA B**
a. Keyed note #9 shall be updated to state piping is to be routed THROUGH beams.
b. Keyed note #10 shall be updated to state piping is to be routed THROUGH beams.

Item No 89 **Sheet P-102C – PLUMBING 2ND LEVEL – FLOOR PLAN – AREA C**
a. Keyed notes #6 and 7 shall be updated to state piping is to be routed THROUGH beams.
b. Add keynote #15 in CORRIDOR B201 and CORRIDOR C200 similar to notes 6 and 7.

Item No 90 **Sheet P-102D – PLUMBING 2ND LEVEL – FLOOR PLAN – AREA D**
a. Keyed notes #3 and 4 shall be updated to state piping is to be routed THROUGH beams.
b. Add keynote #17 in CORRIDOR C200 and CORRIDOR E200 similar to notes 3 and 4.

Item No 91 **Sheet P-102E – PLUMBING 2ND LEVEL – FLOOR PLAN – AREA E**
a. Keyed note #2, 3, and 5 shall be updated to state piping is to be routed THROUGH beams.

Item No 92 **Sheet P-301 – PLUMBING ROOF PLAN – COMPOSITE**
a. Shift gas piping, routed up from shifted gas meter to roof, plan south 6’-0” to accommodate meter shift.

Item No 93 **Sheet P-501 – PLUMBING SCHEDULES**
a. Add PLUMBING FIXTURE SCHEDULE (CONT’D) table to include WC – 3 and RH – 1, as also defined in specification 22 40 00 – PLUMBING FIXTURES.
b. Remove verbiage for WC – 2 in the PLUMBING FIXTURE SCHEDULE which read, “AT PRE-K & K RESTROOMS, MOUNT WATER CLOSET AT CHILDREN'S HEIGHT”. The Pre-K & K water closets shall be denoted by WC – 3 fixture type in lieu of WC – 2 fixture type.
c. Modify verbiage for WF – 2 in the PLUMBING FIXTURE SCHEDULE to indicate three-user bowl type in lieu of two-user bowl type.
d. Delete type TP-E. Electronic trap primers are not to be used.

Item No 94 **Sheet P-603 – PLUMBING DETAILS**
a. Remove detail #12 from sheet, not used in project.

Item No 95 **Sheet P-701 – PLUMBING RISERS**
a. Gas meter shifted in service yard 6’-0” plan south, away from dumpsters, for additional install and operational clearance.

Item No 96 **All T Series Sheets**
a. RE: Addendum #1 item #93 a: Updates to general notes apply to all T series sheets.

b. Motion detectors are only required at exterior entries and at 40-50’ intervals down main corridors on the first floor.
c. RE: Addendum #1 item #88 b: Clocks have been removed from T series sheets, and show only on TF series sheets.
d. Provide a data drop at all clock locations shown on TF series sheets.

Item No 97 **All TF Series Sheets**

a. Added Exterior Intercom Speakers throughout perimeter.
b. RE: Addendum #1 item #88 g: Reference should be to TF series sheets, not T sheets. In addition, add to list of IP speakers/ data cabling the following rooms: conference rooms, workrooms, breakrooms, clinic, isolation, and ISS.
c. In any area labeled MC-1 “Exposed Roof Deck” or “Open to Deck Above” (RE: sheets A-021 and A-022), junction boxes for smoke detectors and the conduit serving them shall be mounted within deck system.

Item No 98 **Sheet T-000 – TECHNOLOGY NOTES AND LEGENDS**

a. RE: Addendum #1 item #89 b: the correct cable is (1) CAT 6A.
b. RE: Addendum #1 item #89 c: the correct cable is (1) CAT 6A.
c. Technology Legend has been updated with the following symbols:
    1. ‘**2M**’ - Indicates the location of microphone outlet. “2” indicates number of female XLR microphone connectors installed at this location. Electrical contractor to provide a double gang deep back box with a single gang reducer ring at 18” A.F.F. with a 1" conduit to the nearest accessible associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and faceplate labeled with the appropriate connections.
    2. ‘**AX**’ - Indicates the location of an auxiliary audio input. Electrical contractor shall provide and install one (1) 1 gang deep back box at 18" A.F.F. with two (2) 1" conduits stubbed out above associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and a faceplate labeled with the appropriate connections.
    3. ‘**CP**’ - Indicates the location of a control panel. Electrical contractor to provide double gang extra deep back box with double gang ring at switch height with (1) 3/4" conduit stubbed out above associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and a control panel with the appropriate buttons labeled.
    4. ‘**M**’ - Indicates the location of a new technology outlet for microphone. “M#” indicates number of microphone cables installed at this location. Contractor to provide faceplate with the appropriate number of female XLR connectors unless otherwise noted. Electrical contractor to provide a double gang back box with a single gang reducer ring and a 1" conduit from the box to the nearest accessible associated ceiling.
    5. Technology Legend - ‘SP’ Activepanel will be OFCI.

Item No 99 **Sheet T-000.1 – Technology – General Notes and Legends**

a. Intercom/Clock Systems Legend, Single wall mounted and Double wall mounted Clocks description changed to IP clocks which will receive signal directly from an NTP server. Clocks shall be analog. Acceptable manufacturers Sapling and American Time.

Item No 100 **Sheet TS-101 – TECHNOLOGY SITE PLAN**

a. Pull box on fiber service shall be relocated to out of roadway.

Item No 101 **Sheet T-101A – 1st level – Floor Plan – Area A**

a. Add one multisensor camera to outside corner of Principal A112.

Item No 102 **Sheet T-101B – 1st level – Floor Plan – Area B**

a. Camera adjacent to Stair B102 shall be relocated to underside of corridor projection above and changed to mutlisensor.

Item No 103 **Sheet T-101C – 1st level – Floor Plan – Area C**

a. Add one multisensor camera to C115.
b. Add one fixed camera to C108.

Item No 104 **Sheet T-101F – 1st level – Floor Plan – Area F**

a. '2M' - Indicates the location of microphone outlet. "2" indicates number of female XLR microphone connectors installed at this location. Electrical contractor to provide a double gang deep back box with a single gang reducer ring at 18" A.F.F. with a 1" conduit to the nearest accessible associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and faceplate labeled with the appropriate connections.
b. 'AX' - Indicates the location of an auxiliary audio input. Electrical contractor shall provide and install one (1) 1 gang deep back box at 18" A.F.F. with two (2) 1" conduits stubbed out above associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and a faceplate labeled with the appropriate connections.
c. 'CP' - Indicates the location of a control panel. Electrical contractor to provide double gang extra deep back box with double gang ring at switch height with (1) 3/4" conduit stubbed out above associated ceiling. Contractor to provide and install cabling to all associated devices as per the specifications and a control panel with the appropriate buttons labeled.

Item No 105 **Sheet T-101D – 1st level – Floor Plan – Area D**

a. Removed local sound speakers from classrooms and turned intercom speakers off.

Item No 106 **p**

a. Removed local sound speakers from classrooms.

Item No 107 **Sheet T-102C – 2nd level – Floor Plan – Area C**

a. Removed local sound speakers from classrooms.

Item No 108 **Sheet T-102D – 2nd level – Floor Plan – Area D**

a. Added LCD's to rooms Math Coach D209, Literacy Coach D210 and ESL D208.
b. Added D2 in Teacher Workroom D211 and Elec D213.
c. Added fixed cameras in Corridor D214.
d. Camera in hallway intersection near ESL D208 is a multisensor camera.

Item No 109 **Sheet T102E – 2nd level – Floor Plan – Area E**

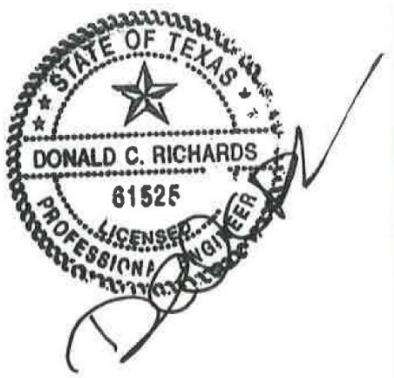
a. Removed local sound speakers from classrooms and turned intercom speakers off.
b. Wireless Access Points (WAP's) are wall mounted in Collaboration areas.
c. Added fixed camera in Corridor E201.

Attachments include 88 additional sheets and ends with drawing M-401 dated 01/20/22


REGISTERED ARCHITECT
MELISSA TURNBAUGH
21779
STATE OF TEXAS

Jan 20, 2022


STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED
PROFESSIONAL ENGINEER
01/20/20
Kubala Engineers
F-3709


STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER

DOCUMENT 00 40 10 - ALTERNATE PROPOSAL FORM

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT
FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

Submitted by: _____

Date: _____ Phone No.: _____

To: Board of Trustees
Friendswood ISD
302 Laurel
Friendswood, Texas 77546

Having examined Proposal and Contract Documents prepared by PBK, Inc., dated December 17, 2021 and having examined site conditions, the undersigned proposes to furnish all labor, equipment and materials and perform all work for the completion of the above-named project for the sum indicated below.

In submitting his Proposal, the undersigned agrees to the following:

1. Hold proposal open for acceptance 60 days.
2. Accept right of Owner to reject any or all proposals, to waive formalities and to accept proposal which Owner considers most advantageous.
3. Enter into and execute the contract, if awarded, for the Base Proposal and accepted Alternate Proposals.
4. Complete work in accordance with the Contract Documents within the stipulated contract time.
5. By signing, the undersigned affirms that, to the best of his knowledge, the Proposals have been arrived at independently and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over respondents in the award of this proposal.

I. ALTERNATES

If the Owner accepts any or all of the Alternates, the undersigned agrees to modify the Base Proposal as stipulated below:

A. Alternate No. 1 Replace Quartz countertop to plastic laminate:
DEDUCT _____ Dollars $ _____
(Amount written in words governs) (Amount in figures)

Alternate No.2 Replace folding doors to fixed frames with a door at collaboration:
DEDUCT _____ Dollars $ _____
(Amount written in words governs) (Amount in figures)

Alternate No.3 Replace Terrazzo floor to LVT:
DEDUCT _____ Dollars $ _____
(Amount written in words governs) (Amount in figures)

Alternate No.4 Replace polished CMU to standard CMU:
DEDUCT _____ Dollars $ _____
(Amount written in words governs) (Amount in figures)

NOTE: THIS DOCUMENT MUST BE SUBMITTED BY 3:00 PM ON JANUARY 25, 2022.

Alternate No.5 Replace ornamental fencing to chain link fencing:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.6 Replace ornamental fencing to Omega Classic fencing:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.7 Replace Arriscraft masonry to brick:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.8 Reduce parking space concrete thickness 6" to 5":
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.9 Remove outdoor amphitheater:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.10 Reduce building square footage at Gym:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.11 Change acoustical deck color from Timberlok to standard color:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.12 Remove AV equipment at Learning Commons:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.13 Remove Balconies:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.14 Remove trellis at Courtyard:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.15 Change full height wall tiles to 4'AFF at restrooms:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

NOTE: THIS DOCUMENT MUST BE SUBMITTED BY 3:00 PM ON JANUARY 25, 2022.

Alternate No.16 Add or Deduct for proposed alternate subcontractors:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.17 Change per S-500 wide flange alternate schedule.
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

Alternate No.18 Change Direct Digital Controls to Unify Energy Solutions:
DEDUCT_____ Dollars $_____
(Amount written in words governs) (Amount in figures)

It is understood that the right is reserved by the Owner to reject any or all proposals, or waive any informalities in the proposal process.

_____
Authorized Signature

_____
Printed Name

_____
Title

(Seal, if a Corporation) State whether Corporation, Partnership or Individual**)**

_____
Name of Contracting Firm

_____
Email Address

_____
Address

_____
Telephone

_____
Date

END OF DOCUMENT 00 40 00

NOTE: THIS DOCUMENT MUST BE SUBMITTED BY 3:00 PM ON JANUARY 25, 2022.

DOCUMENT 00 50 02 - PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____, as Principal, and _____, as Surety, are held and firmly bound unto the Friendswood Independent School District, Galveston County, Texas, hereinafter called the Owner, in the penal sum of _____ Dollars ($_____) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Proposal, dated _____, 2022, being for Cline Elementary School Campus Replacement for the Friendswood Independent School District, the kind and extent of work involved being set forth in detail in the proposed Contract Documents cited herein.

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

NOW, THEREFORE, if the Principal shall not withdraw the accompanying proposal within 30 days after the date set for opening thereof, and shall within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with the Owner in accordance with the Proposal as accepted; and give Bond and good and sufficient surety for the faithful performance and proper fulfillment of such contract including payment of all persons supplying labor or materials therefor, or in the event of the withdrawal of said proposal within the period specified, or the failure to enter into such contract and give such bond within the time specified, if the Principal shall pay to the Owner the difference between the aggregate amount for which the Owner may enter into a contract for the same work with another Respondent; if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above bonded parties have executed this instrument under their several seals this _____ day of _____, 2022, the name and Corporate Seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representatives, pursuant to authority of its governing body.

_____ _____
Business Address Individual Principal

_____ _____
Business Address Individual Principal

ATTEST:

_____ BY: _____
Secretary or President

_____ _____
Business Address Corporate Surety

ATTEST: _____ BY: _____

END OF DOCUMENT 00 50 02

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes: Administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain Work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
   1. Alternates described are part of the Work when enumerated in the Agreement.
   2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent Work as necessary to completely integrate Work of the alternate into Project.
   1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Forty-eight (48) hours following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other Work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the Work described under each alternate.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate 1:
   1. Deductive change to replace all QTZ-1 quartz countertops and windowsills to plastic laminate, per the details in the specification. Refer to windowsill details on A731 and casework elevations on A840 series.

B. Alternate 2:
   1. Deductive change to remove all folding doors between the classroom and collaboration spaces (41 in total) and replace with fixed storefront frames. Replace door type G to frame type SF-7. Refer to A805 for glazing types. See door schedule for glazing type G locations.

C. Alternate 3:
   1. Deductive change to replace all sand and epoxy terrazzo floor finishes with specified LVT. Refer to material finish schedule for LVT types and finish plan for terrazzo floor finish locations. Pricing to include removal of slab recess as well as the replacement of the terrazzo cove base to rubber base RB-1.

D. Alternate 4:
   1. Deductive change to replace all polished CMU with standard CMU painted. Replace partition type M3A to M3, Refer to A-801. Refer to floor plans for partition type M3A locations.

E. Alternate 5:
   1. Deductive change to replace all ornamental fencing and gates with black vinyl-coated fencing and gates. Refer to AS101 site plan for fence location.

F. Alternate 6:
   1. Deductive change to replace all ornamental fencing and gates with Omega Classic fencing and gate. Refer to AS101 site plan for fence location.

G. Alternate 7:
   1. Deductive change to replace all Arriscraft masonry to Norman-sized brick. Replace MST-1 to Brick B-1. Refer to material schedule.

H. Alternate 8:
   1. Deductive change to reduce parking space concrete from 6” to 5”. Main drives to all remain 7” concrete. Refer to C301 paving plan for 6” paving locations.

I. Alternate 9:
   1. Deductive change to remove the outdoor amphitheater, grading, turf and associated lighting. Remove concrete outdoor stage, canopy, AV equipment, stage lighting, one interior projector and screen, all associated drainage, and concrete pavement. Refer to AS203 Enlarged site plan.

J. Alternate 10:
   1. Deductive change to remove 1,096 sf in the gymnasium and reducing the building square footage by 1,096 sf. Refer to A001A Floor plan. Provide a list of line items for the savings.

K. Alternate 11:
   1. Deductive change to replace Timberlok acoustical metal roof decking to factory finished color acoustical metal decking as specified. Refer to specification Section 05 34 00 Acoustical Metal Decking.

L. Alternate 12:
   1. Deductive change to remove overhead projector, ceiling mounted speaker, associated structure, and drop-down screen from learning commons. Refer to Technology drawing T-101B.

M. Alternate 13:
   1. Deductive change to remove all balconies on second floor B203A, C228A, and E202A. Remove composite slab, railing, lighting and storefront doors at balcony. Refer to A002 Floor Plan.

N. Alternate 14:
   1. Deductive change to remove trellis at courtyard. Canopy attached to building wall to remain in base bid. Remove aluminum trellis column structure and trellis foundation. Refer to AS205.

O. Alternate 15:
   1. Deductive change to lower wall tile finish from full-height to 4' AFF at all restrooms. Paint wall above tile finish and terminate tile in accordance with the specification. Refer to A400 series for restroom locations.

P. Alternate 16:
   1. State in the proposal form the amount to add to or deduct from the Base Proposal for the Proposed Team. This alternate is intended to provide the Contractor the opportunity to adjust the Base Proposal up or down based upon the proposed subcontractors submitted along with Alternate proposals.

Q. Alternate 17:
   1. Deductive change per S-500 wide flange alternate schedule.

R. Alternate 18:
   1. 23 09 23 – Direct Digital Controls - Unify Energy Solutions
      This Alternate shall establish the amount to adjust the Base Proposal for the cost of furnishing and installing Direct Digital Controls manufactured by Automated Logic Corporation – Installed by ALC – Houston. This alternate shall include the pricing for all materials and labor for proper completion. Refer to specs and drawings for additional information.

END OF SECTION 01 23 00

SECTION 32 18 23.30.1 – NON-INFILLED RECREATIONAL SYNTHETIC TURF SYSTEM

1.1 WORK INCLUDED

A. Furnish all labor, materials, tools and equipment necessary to install all synthetic turf as indicated on the plans and as specified herein. The installation of all new materials shall be performed in strict accordance with the manufacturer's installation instructions and in accordance with all approved shop drawings.

B. Perimeter edge details required for the system shall be as detailed and recommended by the Manufacturer, and as approved by the Owner.

C. It is the intent of this Section that the Work shall include, but not be limited to:
   1. Recreational Area construction, and related materials and accessories shown on Drawings or required to complete Work.
   2. Work shall be performed and warranted by a single source supplier/contractor.

1.2 RELATED SECTIONS

A. Section 33 46 16.34 Synthetic Sub-drainage System for Athletic Fields

B. Section 32 11 23.23 Free-Draining Stone Base for Synthetic Turf System

C. Section 31 20 00 Earthwork

D. Section 02 32 00 Geotechnical Report

1.3 REFERENCES

A. International Recreational Equipment Manufacturers Association (IPEMA): www.ipema.org:

B. ASTM Standard Test Methods:
   1. D1577 Standard Test Method for Linear Density of Textile Fiber
   2. D5848 Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering
   3. D418 Standard Test Method for Testing Pile Yarn Floor Covering Construction
   4. D5034 Standard Test Method of Breaking Strength and Elongation of Textile Fabrics
   5. D4491 Standard Test Methods for Water Permeability of Geotextiles by Permittivity
   6. D2859 Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
   7. D1557 Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort.
   8. UIL, NFHS and/or NCAA rules/regulations, latest edition.

1.4 SUBMITTALS

A. See Section 01 33 00 - Requirements for submittal procedures.

B. Prior to the Engineer's approval of a specified synthetic turf system, the Manufacturer shall specify in writing that their turf system does not violate any other manufacturer's patents, patents allowed or patents pending.

C. Submit the following with the submittal:
   1. Submit two (2) "dry" turf samples, 12"x12" in size with tufted perimeter line and

carpet seam, of the specified turf product.

2. A letter and specification sheet certifying that the products of this section meet or exceed specified requirements.
3. Certified copies of independent (third-party) laboratory reports on ASTM tests as follows:
   a) Pile Height, Face Width & Total Fabric Weight, ASTM D823 or D5848
   c) Tuft Bind, ASTM D1335
   d) Grab Tear Strength, ASTM D5034
   e) Pill Burn Test ASTM D2859
4. List of existing installations, including Owner representative and telephone number.
5. Lists providing specific contacts and telephone numbers of the following:
   a) A minimum of 5 recreational surface areas using the specified fiber and infill, in recreational for at least 5 years. These installations must have used the same manufacturer, product and company they are proposing for this recreational area.
   b) A list of at least of 5 recreational surface areas of 3,000 square feet or more in North America with the same manufacturer, product and company, including the exact same fiber and infill system that is being proposed for this recreational area that have been in recreational for at least 5 years. Provide owner contact names and numbers and dates of install.
6. Resume of Installation Supervisor who will be present on site during installation.
7. The Contractor and the turf Manufacturer (if different from the company) shall, if requested by the Owner or Owner's representative, provide a current audited company financial statement. The Owner shall put in writing that this information shall be held in confidence and not shared with third parties.
8. The Contractor and Turf Manufacturer (if different from the company) shall provide evidence that their turf system does not violate any other manufacturer's patents, patents allowed or patents pending.

D. Prior to ordering of materials:
   1. The Contractor shall submit Shop Drawings indicating:
      a. Recreational Area Layout and rendering.
      b. Roll/Seaming Layout
      c. Methods of attachment, field openings and perimeter conditions.
   2. The turf Manufacturer must submit the fiber manufacturer's name, type of fiber and composition of fiber.

E. Prior to Final Acceptance, the Contractor shall submit to the Owner:
   1. Two (2) copies in binders and One (1) electronic copy on an usb drive of Maintenance Manuals, which will include all necessary instructions for the proper care and preventative maintenance of the synthetic turf system, including painting and markings.
   2. Project Record Documents: Record actual locations of seams, drains or other pertinent information.
   3. Warranty: Submit Manufacturer Warranty and ensure that forms have been completed in Owner's name and registered with Manufacturer.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section. The Turf Contractor and/or the turf Manufacturer:
   1. Must be experienced in the manufacture and installation of this specific type of synthetic infill turf system for at least 5 years with the same manufacturer, product and company they are proposing for this recreational area. This includes the same pile fiber, the backing, the backing coating, and the installation method.

2. Must have at least 5 recreational areas of 3,000 square feet or more of the exact specified material, including the infill material and fiber, in recreational for at least 5 years with the same manufacturer and company they are proposing for this recreational area.

B. Installer Qualifications: Company specializing in performing the work of this section.
1. The Contractor must provide competent workmen skilled in this specific type of synthetic turf installation. Technicians must have installed specified type of turf system on at least 10 recreational areas of 3,000 square feet or more within the past 3 years.
2. The designated Supervisory Personnel on the project must be certified, in writing by the Turf Manufacturer, as competent in the installation of this material, including sewing/gluing seams and proper installation of the infill mixture.
3. The Manufacturer shall have a representative on site to certify the installation and Warranty compliance.

C. Prior to the beginning of installation, the Installer of the synthetic turf shall inspect the sub-base. The installer will accept the sub-base in writing when the contractor provides test results for planarity and permeability that follow the synthetic turf manufacturer's guidelines. The Installer shall have the dimensions of the recreational area and locations for markings measured by a registered surveyor to verify conformity to the specifications and applicable standards. A record of the finished recreational area as-built measurements shall be made. The final tolerance-to-grade of the base shall not exceed ±¼ inch in ten feet in any direction.

1.6 DELIVERY, STORAGE, AND PROTECTION

A. Deliver products to project site in wrapped condition.

B. Store products under cover and elevated above grade.

1.7 WARRANTIES

A. Manufacturer's Warranty: Submit manufacturer's standard published limited warranty form in which manufacturer agrees to repair or replace components of synthetic turf surfacing installation installed by manufacturer-certified Installer that fail in materials under normal use and maintenance, or provide other relief, within specified warranty period.
1. Failures include ultraviolet degradation, backing integrity, more than 50 percent loss of face fiber, and loss of tuft bind strength.
2. Warranty Period: Life of product.

B. Installer Project Warranty: Submit synthetic turf surfacing Installer's warranty, signed by Installer, covering the Work of this Section, including installation of all components of synthetic turf surfacing system, for the following warranty period:
1. Warranty Period: Two years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Approved manufacturers (turf systems) are as follows. All manufacturers turf system must meet the properties outlined in Section 2.2.:
1. SYNTIPEDE 321 (SynLawn) - 80oz. finished pile weight.

2.2 MATERIALS

A. The component materials of the synthetic turf system consist of:
1. Synthetic Turf Surfacing: Complete surfacing system, consisting of delustered UV-stabilized antimicrobial synthetic yarns bound to water-permeable bio-based primary and secondary backing. IPEMA-certified. Non-abrasive blades with low surface temperature.

2. A carpet made of polyethylene monofilament and slit-film fibers tufted into a fibrous, porous backing. ***The fibers shall be a C8 grade polyethylene***.
3. Glue, thread, seaming fabric and other materials used to install and mark the artificial grass field turf.

.

B. The installed artificial grass recreational area turf shall consist of monofilament and slit-film fibers having the following properties::

Standard	**Property**	**Specification**
ASTM D1577	Fiber Denier	10,000 nominal
ASTM D1577	Fiber Thickness	260 microns (monofilament) 130 microns (slit-film)
ASTM D5823	Pile Height	1" minimum (unless noted otherwise)
ASTM D5848	Pile Weight	60 oz/yard
ASTM D1335	Tuft Bind	8 lbs. (without infill)
ASTM D5034	Grab Tear	>200 lbs/force
ASTM D1577	Total Yarn Linear Density	15,040 Denier
ASTM D2859	Flammability (Pill Burn)	Pass
ASTM D4491	Water Permeability	344.31inhr
ASTM F355/F1936	Impact Attenuation (Gmax)	100 - 200 over field life

D. The Carpet shall consist of fibers tufted into a primary backing with a secondary elastomeric coating.
   1. The Carpet shall be furnished in 15' wide rolls. Rolls shall be long enough to go from sideline to sideline without splicing. The perimeter white line shall be tufted into the individual sideline rolls. Head seams, other than at sidelines, will not be acceptable
   2. The Carpet's primary backing shall be a composite fabric treated with UV inhibitors, consisting of multiple layers of woven polypropylene and non-woven polypropylene needle punched together so as to function as a single unit. The secondary back coating shall consist of an application of heat-activated urethane to permanently lock the fiber tufts in place.

E. Threaded and/or glued seams as well as the method and adhesives used for inlaid markings shall be as recommended by the synthetic turf manufacturer if required.

F. Certification: Provide synthetic turf surfacing system with safety performance testing certified by IPEMA.

G. Shock Attenuation Value: Provide synthetic turf system with G-max value not exceeding 200 and Head Injury Criteria (HIC) not exceeding 1,000 in accordance with ASTM F 1292, based upon application and fall height indicated on Drawings.

H. Exterior Fire-Test Exposure: Provide synthetic turf surfacing materials identical to those of assemblies tested for Class A fire resistance according to ASTM E108 or UL 790 by Underwriters Laboratories or another testing and inspecting agency acceptable to authorities having jurisdiction.

I. Accessibility Requirements: Comply with applicable provisions in [the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities] [and] [ICC A117.1] for recreation surfaces.
   1. Provide synthetic turf system meeting requirements of ASTM F1951.

J. Shock Pad (see detailed plans)
   1. Porous, synthetic shock pad having a minimum thickness of 14mm, by Brock or preapproved equivalent.

K. Fall Pad: Rubber, lead, and heavy metal-free non-degradeable porous elastic pad, with permeability of not less than that of specified artificial turf surfacing, composed of 100 percent recycled non-contaminated post-industrial closed cell polyethylene foam, geotextile weed barrier faced on one side.

PRODUCT DATA SHEET 1 - Product: **SYNLawn, Fall Pad**.

PRODUCT DATA SHEET 2 - Pad Thickness: [1-1/8 inch] [2-1/8 inch] [As indicated on Drawings].

PRODUCT DATA SHEET 3 - IPEMA Fall Height, ASTM F1292: [9.0 feet] [10.0 feet] [As indicated on Drawings]. Accessibility, ASTM F1951: Passes.

PRODUCT DATA SHEET 4 - Rainfall Capacity, ASTM F1551: Not less than 30 inches per hour.

A. Nailer Board: Manufacturer's approved nailer/edger board.
   1. Black Rhino structural grade board or pre-approved equal.

B. Infill Material: Silica sand in manufacturer’s recommended formula for application to synthetic turf surfacing.

C. Aggregate Base Course: Sound crushed graded stone or gravel complying with [ASTM D 448 for Size No. 8] [ASTM D 448 for Size No. 57].

PART 3 EXECUTION

3.1 GENERAL

A. The installation shall be performed in full compliance with approved Shop Drawings, and construction documents.

B. Only trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the approved installer supervisors, shall undertake any cutting, sewing, gluing, shearing, topdressing or brushing operations.

C. The designated Supervisory personnel on the project must be certified, in writing by the turf Manufacturer, as competent in the installation of this material, including sewing seams and proper installation of the Infill mixture.

E. If an Elastic Layer shock pad system is required, it must be installed using proper paving equipment (SMG P700, modified for the application), and the crew must be experienced in this application.

3.2 EXAMINATION

A. Examine synthetic turf surfacing base and perimeter conditions, with Installer present, for compliance with requirements for installation tolerances, and other conditions affecting performance of the Work.

   1. Verify substrate meets profile required.

2. Confirm base material, compaction of substrate, permeability, and drainage system installation meets requirements.

B. The surface to receive the synthetic turf shall be inspected by the Installer, and prior to the beginning of installation, the Installer must accept the sub-base in writing. The acceptance will depend on the contractor providing the installer with test results indicating that planarity and permeability are in compliance with the synthetic turf manufacturer's written guidelines or recommendations. The surface must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.

C. The compaction of the aggregate base shall also be accepted in writing by the Turf Installer, and the surface tolerance-to-grade shall not exceed $\pm$1/4 inch over 10 feet.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

A. General: Comply with synthetic turf surfacing manufacturer's written installation instructions. Install synthetic turf surfacing over area and in thickness indicated. The Contractor shall strictly adhere to his installation procedures outlined under this section. Any variance from these requirements must be accepted in writing, by the Manufacturer's onsite representative, and submitted to the Architect/Owner, verifying that the changes do not in any way affect the warranty. Infill materials shall be approved by the Manufacturer and installed in accordance with the Manufacturer's standard procedures.

B. Fall Pad: Place fall pads tightly abutted over area to receive synthetic turf surfacing. Tape seams with pad seam tape to secure pads in position prior to installing synthetic turf.

C. Artificial Turf: Loose-lay artificial turf and allow fabric to relax for period recommended by manufacturer. Stretch carpet and attach at perimeter in accordance with approved submittals. The carpet rolls are to be installed directly over the properly prepared aggregate base or shock pad. Extreme care should be taken to avoid disturbing the aggregate base, both in regard to compaction and planarity. It is suggested that a 2-5 ton static roller is on site and available to repair and properly compact any disturbed areas of the aggregate base.

D. Seaming: Form seams flat and snug, with no gaps or fraying. Remove yarns that are trapped within seams. Form seams as recommended in synthetic turf manufacturer's written instructions using manufacturer's provided or recommended materials.

E. Attachment: Attach turf fabric to perimeter restraint system as recommended by the manufacturer using non-corrosive fasteners.

F. ACTIIVITY LINES AND MARKERS
1. Install lines in accordance with approved submittals.

G. INSTALLATION, INFILL
1. Mix and install infill material components in accordance with manufacturer's requirements for approved system. Groom material and leave surface ready for use.

H. PROTECTION
1. Protect completed installation from damage. Prevent traffic over system prior to acceptance by Owner.

I. DEMONSTRATION

1. Instruct Owner's personnel in proper inspection and maintenance of synthetic turf surfacing. Review manufacturer's recommended maintenance procedures and warranty terms and conditions.

3.5 CLEANING

A. Protect installed turf from subsequent construction operations.

B. Do not permit traffic over unprotected turf surface.

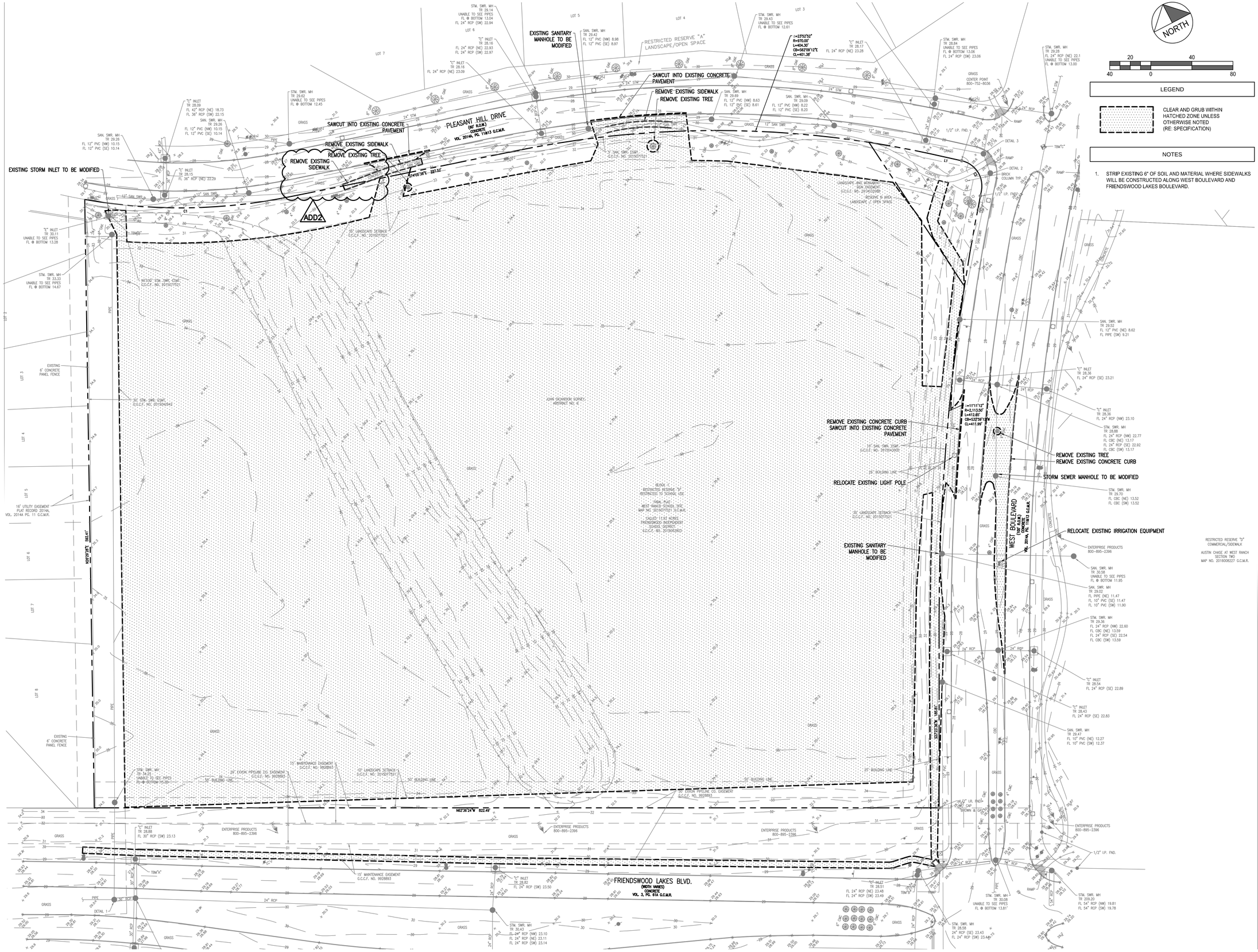
C. Contractor shall provide the labor, supplies, and equipment as necessary for final cleaning of surfaces and installed items.

D. All usable remnants of new material shall become the property of the Owner.

E. The Contractor shall keep the area clean throughout the project and clear of debris.

F. Surfaces, recesses, enclosures, etc., shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

END OF SECTION 32 18 23.30



CHECKED BY: KFALKE

DRAWN BY: AGLUZMAN

B:\2020380\Div8-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 003 DEMOLITION PLAN.dwg Last Saved: KFALKE

Tuesday, January 18, 2022 11:10:58 AM

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DBG
T 713-965-0608

MEP/T
LEAP ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

H.F. SCHNEIDER, III
69402
STATE OF TEXAS
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

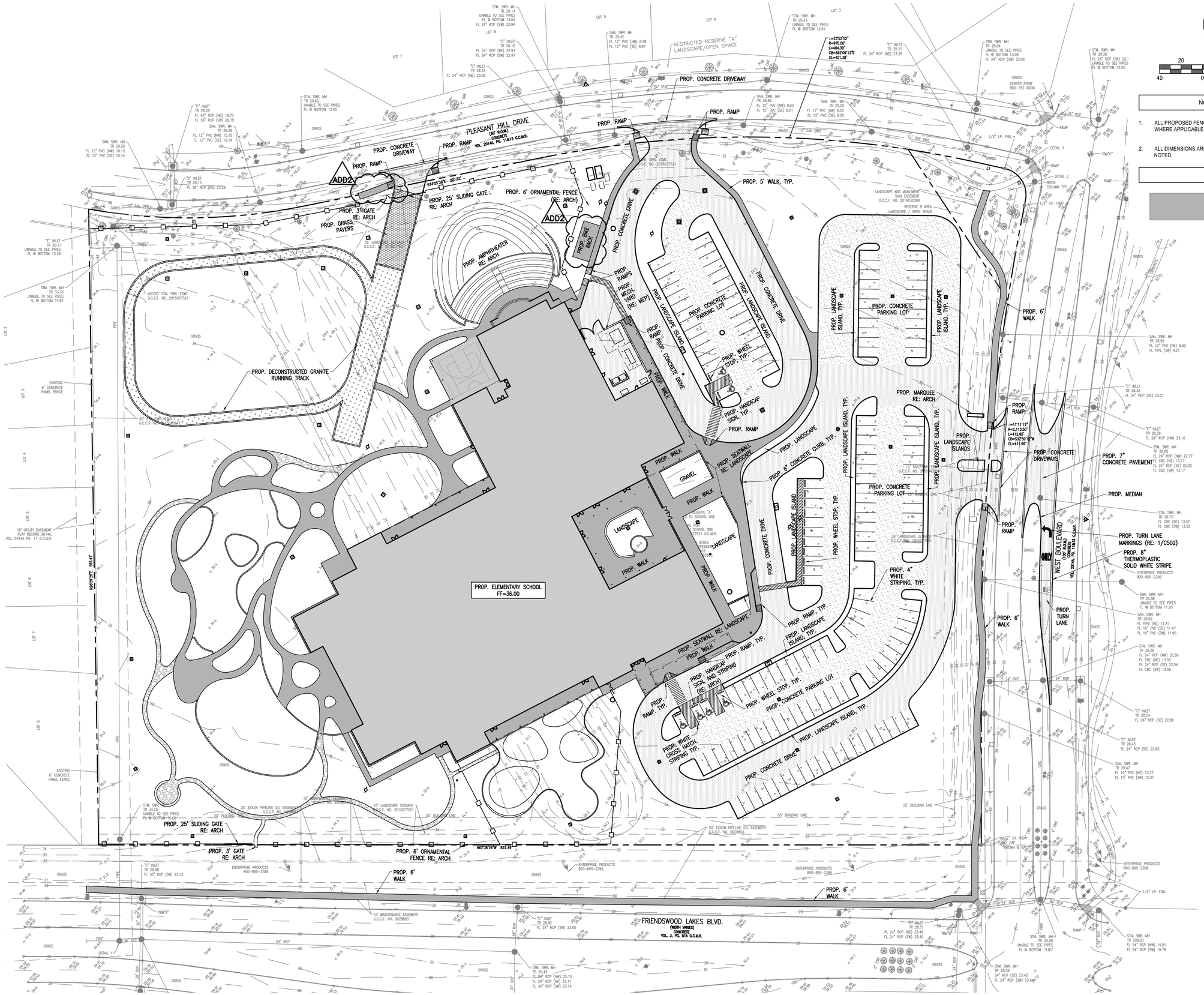
DRAWING HISTORY

No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

DEMOLITION PLAN

C 003



NORTH

20 40
40 0 80

NOTES TO SHEET

1. ALL PROPOSED FENCING IS TO CONNECT TO EXISTING FENCING WHERE APPLICABLE.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

LEGEND

CONCRETE SIDEWALK

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG
T 713-965-0608
MEP
LEAF ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546
ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

H.F. SCHNEIDER, III
69402
REGISTERED
PROFESSIONAL ENGINEER
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

DRAWING HISTORY

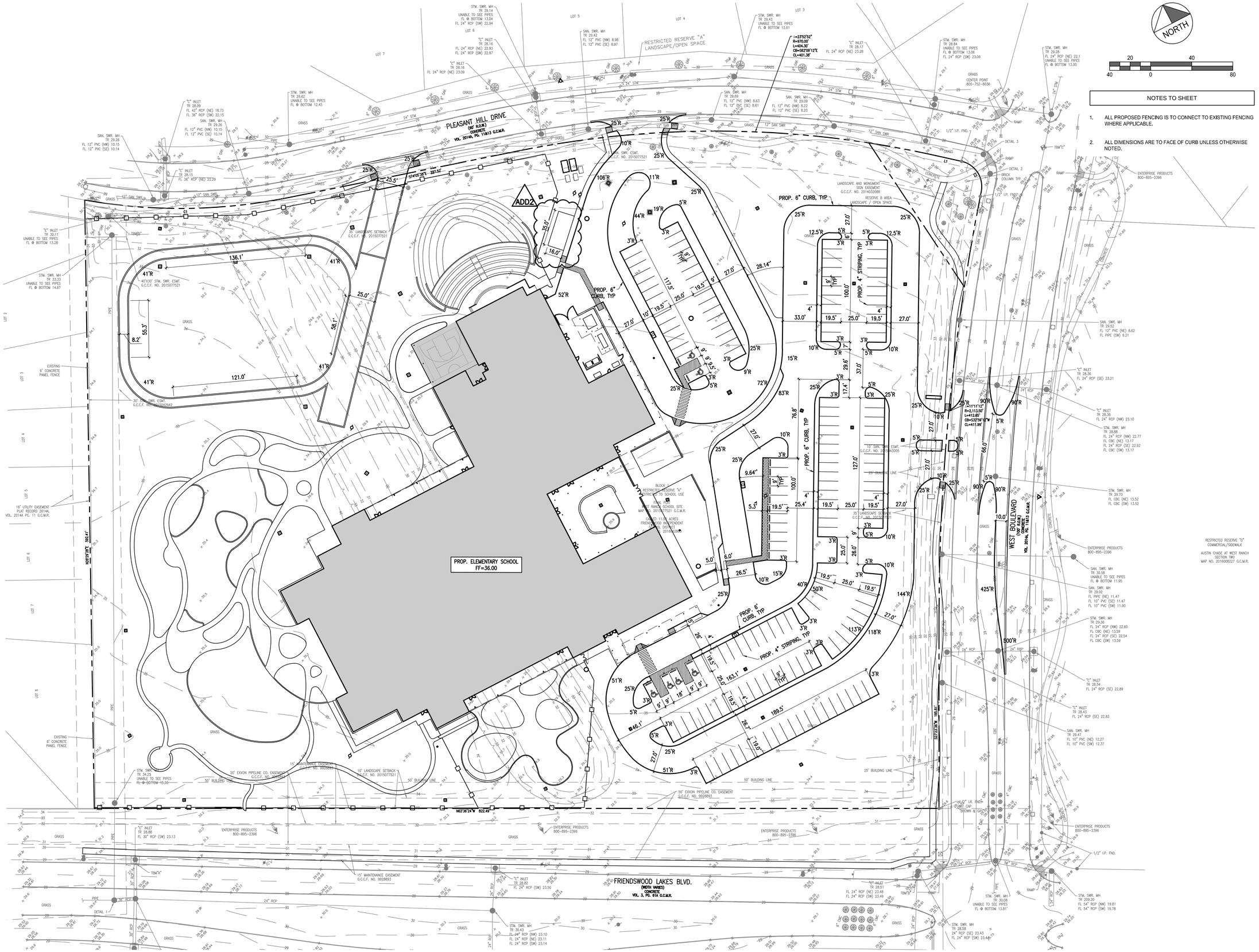
No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

SITE PLAN

C 101

CHECKED BY: KFALKE
DRAWN BY: AGLUZMAN
B:\20\20380\Div8-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 101 SITE PLAN.dwg Last Saved: KFALKE
Tuesday, January 18, 2022 11:22:53 AM



NOTES TO SHEET

1. ALL PROPOSED FENCING IS TO CONNECT TO EXISTING FENCING WHERE APPLICABLE.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DBG
T 713-965-0608

MEP/T
LEAP ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

H.F. SCHNEIDER, III
69402
LICENSED
STATE OF TEXAS
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

DRAWING HISTORY

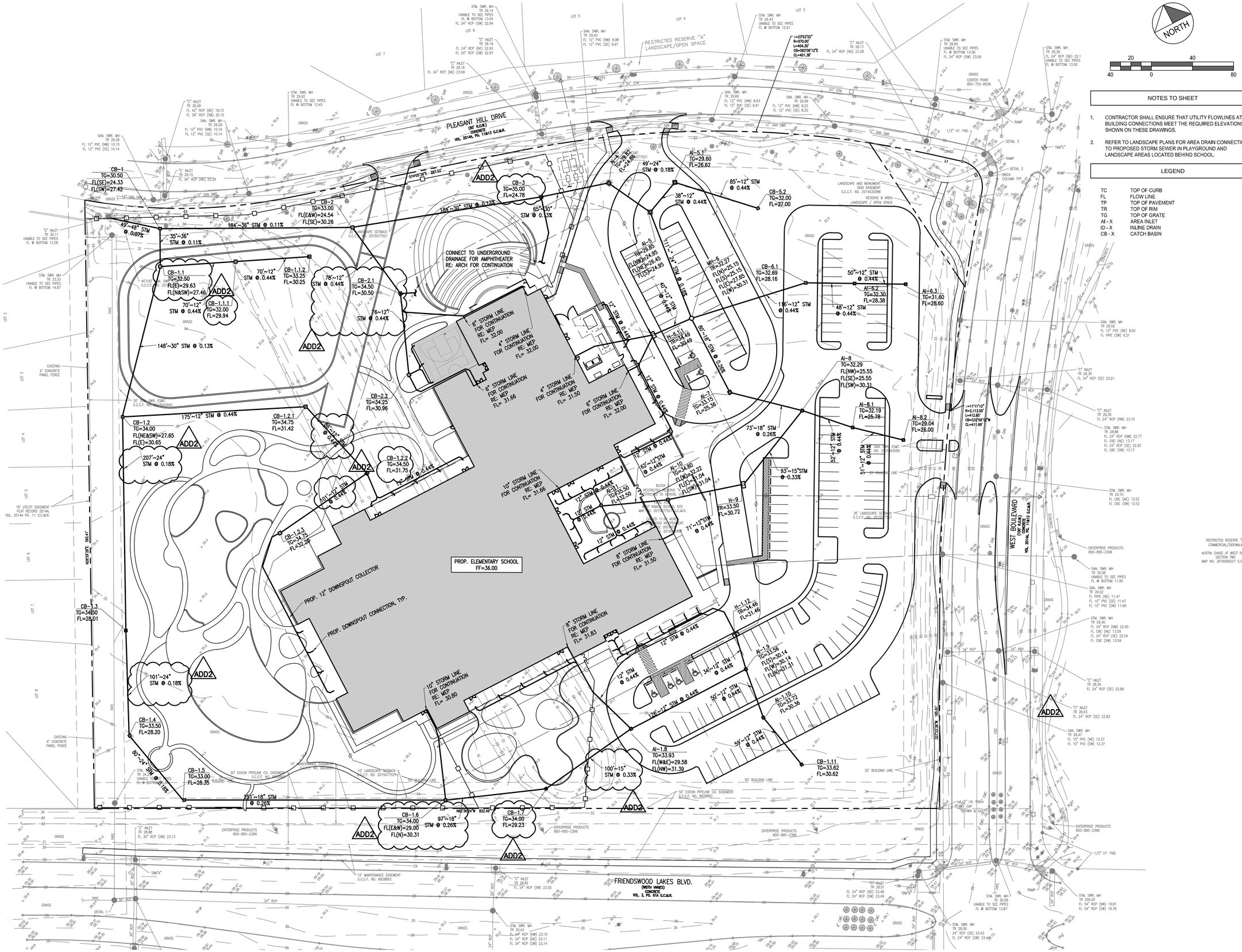
No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

DIMENSIONAL CONTROL PLAN

C 102

B:\20\20380\Dwb-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 102 DIMENSIONAL CONTROL PLAN.dwg Last Saved: KFALKE
Wednesday, January 19, 2022 7:39:04 AM
DRAWN BY: AGLUZMAN
CHECKED BY: KFALKE



CHECKED BY: KFALKE

DRAWN BY: AGLUZMAN

B:\2020380\Div8-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 201 DRAINAGE PLAN.dwg Last Saved: KFALKE

Tuesday, January 18, 2022 11:16:57 AM

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DBG
T 713-965-0608

MEP/T
LEAP ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

ISSUE FOR CSP

H.F. SCHNEIDER, III
69402
LICENSED
STATE OF TEXAS
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

DRAWING HISTORY

No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

DRAINAGE PLAN

C 201

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	Project Information																										
2		Project:	Cline Elementary School																								
3		Job No.:	20380																								
4		System:	A																								
5		Designed:	KHF				Date:	11/11/2021																			
6		Checked:	TCC				Date:	11/11/2021																			
7																											
8	Design Criteria																										
9		Starting				Min Cover (ft):	2																				
10		HGL Elev. (ft):	28.30			Match C or F:	F																				
11						Min. Tc (min):																					
12		Galveston				Default n:	0.013																				
13		Design Storm:	5	yr		Junction K:	0.3																				
14		b =	46.60			Peaking Factor:	1																				
15		d =	7.00																								
16		e =	0.6560																								
17																											
18					Pipe	Round	Pipe	Pipe	No.			Min				Roof	Branch	Cum.				Roof	Branch	Cum.	Design	Flow	Upstream	
19	Downstream	Downstream	Upstream	Upstream	Length	or	Rise	Span	of	Pipe	n	Slope		I	Area	Area	Area	Area	Tc	Flow	Flow	Flow	Flow	Cap.	Velocity	TG	HGL
20	MH/Inlet	Flowline	MH/Inlet	Flowline	(ft)	Box	(in or ft)	(ft)	Pipes	Material		(%)	C	(in/hr)	(Acres)	(sf)	(Acres)	(Acres)	(min)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/s)	(ft)	(ft)
21	OUTFALL	24.30	CB-1	24.33	49	Round	48		1	HDPE	0.013	0.07%	0.8	4.60	0.04		5.06	9.70	27.07	0.15	0.00	19.64	38.20	38.11	3.04	30.50	28.38
22	CB-1	24.33	CB-2	24.54	184	Round	36		1	HDPE	0.013	0.11%	0.8	4.71	0.03		0.69	4.60	25.89	0.11	0.00	2.76	18.41	22.18	2.60	33.00	28.55
23	CB-2	24.54	CB-3	24.78	184	Round	30		1	HDPE	0.013	0.13%	0.8	4.81	0.15			3.88	24.92	0.58	0.00		15.53	14.83	3.16	35.00	28.86
24	CB-3	24.78	AI-4	24.86	65	Round	30		1	HDPE	0.013	0.13%	0.8	4.84	0.30			3.73	24.57	1.16	0.00		14.96	14.83	3.05	29.62	28.99
25	AI-4	24.86	AI-5	24.95	49	Round	24		1	HDPE	0.013	0.18%	0.8	4.86	0.30		0.35	3.43	24.38	1.17	0.00	1.42	13.79	9.62	4.39	29.85	29.26
26	AI-5	24.95	MH-6	25.15	111	Round	24		1	HDPE	0.013	0.18%	0.8	4.91	0.00		0.64	2.78	23.86	0.00	0.00	2.59	11.21	9.62	3.57	32.27	29.59
27	MH-6	25.15	AI-7	25.36	80	Round	18		1	HDPE	0.013	0.26%	0.8	4.94	0.20			2.15	23.59	0.79	0.00		8.61	5.37	4.87	33.15	30.23
28	AI-7	25.36	AI-8	25.55	73	Round	18		1	HDPE	0.013	0.26%	0.8	4.97	0.35		0.67	1.95	23.31	1.39	0.00	2.67	7.82	5.37	4.43	32.29	30.73
29	AI-8	30.42	H-9	30.72	93	Round	15		1	HDPE	0.013	0.33%	0.8	5.03	0.12			0.93	22.74	0.48	0.00		3.77	3.72	3.07	33.00	31.97
30	H-9	30.72	AI-10	31.04	71	Round	12		1	HDPE	0.013	0.44%	0.8	5.07	0.11	7,441		0.81	22.45	0.45	0.69		3.28	2.37	4.18	34.80	32.65
31	AI-10	32.23	AI-11	32.50	62	Round	12		1	HDPE	0.013	0.44%	0.8	5.11	0.14	16,752		0.52	22.07	0.57	1.57		2.14	2.37	2.73	35.50	33.50
32																											
33	CB-1	27.42	CB-1.1	27.46	35	Round	36		1	HDPE	0.013	0.11%	0.8	4.53	0.27		0.46	5.06	27.89	0.98	0.00	1.83	19.64	22.18	2.78	32.50	30.46
34	CB-1.1	27.46	CB-1.2	27.65	148	Round	30		1	HDPE	0.013	0.13%	0.8	4.60	0.25		0.64	4.33	27.17	0.92	0.00	2.57	16.83	14.83	3.43	34.00	30.76
35	CB-1.2	27.65	CB-1.3	28.02	207	Round	24		1	HDPE	0.013	0.18%	0.8	4.67	0.54			3.44	26.35	2.02	0.00		13.34	9.62	4.25	34.50	31.56
36	CB-1.3	28.02	CB-1.4	28.21	101	Round	24		1	HDPE	0.013	0.18%	0.8	4.71	0.40			2.90	25.89	1.51	0.00		11.33	9.62	3.61	33.50	31.87
37	CB-1.4	28.21	CB-1.5	28.35	80	Round	24		1	HDPE	0.013	0.18%	0.8	4.75	0.35			2.50	25.46	1.33	0.00		9.82	9.62	3.13	33.00	32.07
38	CB-1.5	28.35	CB-1.6	29.00	251	Round	18		1	HDPE	0.013	0.26%	0.8	4.84	0.28	17,277		2.15	24.59	1.08	1.54		8.49	5.37	4.80	34.00	33.81
39	CB-1.6	29.00	CB-1.7	29.25	97	Round	18		1	HDPE	0.013	0.26%	0.8	4.89	0.25			1.47	24.10	0.98	0.00		5.87	5.37	3.32	34.00	34.16
40	CB-1.7	29.25	AI-1.8	29.58	100	Round	15		1	HDPE	0.013	0.33%	0.8	4.93	0.19	7,128		1.22	23.69	0.75	0.65		4.89	3.72	3.99	33.93	34.80
41	AI-1.8	29.58	AI-1.9	30.14	126	Round	12		1	HDPE	0.013	0.44%	0.8	4.98	0.19		0.18	0.87	23.21	0.76	0.00	0.73	3.50	2.37	4.45	33.56	36.10
42	AI-1.9	30.14	AI-1.10	30.36	50	Round	12		1	HDPE	0.013	0.44%	0.8	5.02	0.26			0.50	22.89	1.04	0.00		2.01	2.37	2.56	33.72	36.29
43	AI-1.10	30.36	CB-1.11	30.62	59	Round	12		1	HDPE	0.013	0.44%	0.8	5.03	0.24			0.24	22.78	0.97	0.00		0.97	2.37	1.23	33.62	36.34
44																											
45	CB-1.1	29.63	CB-1.1.1	29.94	70	Round	12		1	HDPE	0.013	0.44%	0.8	4.93	0.22			0.46	23.73	0.87	0.00		1.83	2.37	2.33	32.00	30.94
46	CB-1.1.1	29.94	CB-1.1.2	30.24	70	Round	12		1	HDPE	0.013	0.44%	0.8	5.03	0.24			0.24	22.78	0.97	0.00		0.97	2.37	1.23	33.25	31.24
47																											
48	CB-1.2	30.66	CB-1.2.1	31.43	175	Round	12		1	HDPE	0.013	0.44%	0.8	4.96	0.21			0.64	23.37	0.83	0.00		2.57	2.37	3.27	34.75	32.43
49	CB-1.2.1	31.43	CB-1.2.2	31.81	86	Round	12		1	HDPE	0.013	0.44%	0.8	5.04	0.23			0.43	22.72	0.93	0.00		1.74	2.37	2.21	34.50	32.81
50	CB-1.2.2	31.81	CB-1.2.3	32.25	101	Round	12		1	HDPE	0.013	0.44%	0.8	5.06	0.20			0.20	22.53	0.81	0.00		0.81	2.37	1.03	34.75	33.25
51																											
52	AI-1.9	30.14	H-1.12	30.29	34	Round	12		1	HDPE	0.013	0.44%	0.8	5.07	0.18			0.18	22.39	0.73	0.00		0.73	2.37	0.93	34.06	36.12
53																											
54	CB-2	30.23	CB-2.1	30.57	78	Round	12		1	HDPE	0.013	0.44%	0.8	4.98	0.33	8,293		0.69	23.23	1.31	0.76		2.76	2.37	3.51	34.50	31.57
55	CB-2.1	30.57	CB-2.2	30.90	76	Round	12		1	HDPE	0.013	0.44%	0.8	5.20	0.07	4,137		0.16	21.26	0.29	0.40		0.69	2.37	0.87	34.25	31.90
56																											
57	AI-5	26.42	AI-5.1	26.59	38	Round	12		1	HDPE	0.013	0.44%	0.8	5.07	0.18			0.35	22.39	0.73	0.00		1.42	2.37	1.81	29.60	29.33
58	AI-5.1	26.59	CB-5.2	26.96	85	Round	12		1	HDPE	0.013	0.44%	0.8	5.08	0.17			0.17	22.32	0.69	0.00		0.69	2.37	0.88	32.00	29.37
59																											
60	MH-6	27.61	CB-6.1	28.12	116	Round	12		1	HDPE	0.013	0.44%	0.8	4.99	0.11			0.41	23.11	0.44	0.00		1.66	2.37	2.11	32.69	29.86
61	CB-6.1	28.12	AI-6.2	28.33	48	Round	12		1	HDPE	0.013	0.44%	0.8	5.05	0.21			0.30	22.60	0.85	0.00		1.22	2.37	1.55	32.30	29.93
62	AI-6.2	28.33	AI-6.3	28.55	50	Round	12		1	HDPE	0.013	0.44%	0.8	5.17	0.09			0.09	21.54	0.37	0.00		0.37	2.37	0.47	31.60	29.93
63																											
64	MH-6	30.27	H-6.1.1	30.44	40	Round	12		1	HDPE	0.013	0.44%	0.8	5.14	0.11	5,090		0.23	21.78	0.45	0.48		0.93	2.37	1.19	33.99	31.44
65																											
66	AI-8	25.55	AI-8.1	25.78	52	Round	12		1	HDPE	0.013	0.44%	0.8	4.94	0.42			0.67	23.58	1.66	0.00		2.67	2.37	3.39	32.19	31.07
67	AI-8.1	25.78	AI-8.2	26.00	52	Round	12		1	HDPE	0.013	0.44%	0.8	5.02	0.25			0.25	22.83	1.00	0.00		1.00	2.37	1.28	29.04	31.12

5 YEAR STORM SEWER CALCULATIONS

ADD2

NOTES TO SHEET

1. DETENTION PROVIDED FOR SCHOOL IN PROJECT TITLED "SIERRA AT WEST RANCH SECTION ONE" PROJECT # 1344-00/1344/10.

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DBO
T 713-965-0608

MEP/T
LEAF ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

ISSUE FOR CSP

H.F. SCHNEIDER, III
69402
STATE OF TEXAS
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

DRAWING HISTORY

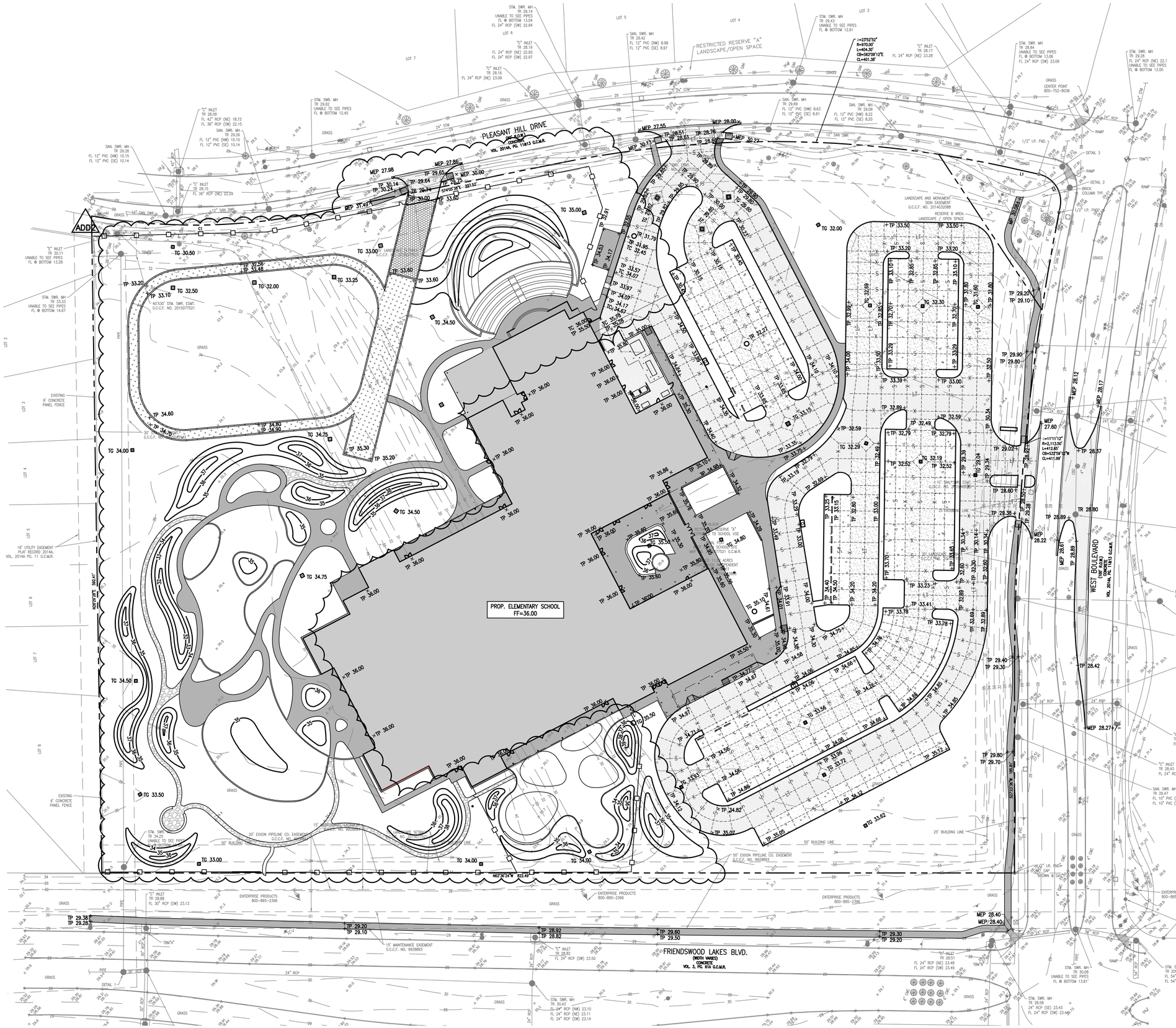
No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

STORM SEWER CALCULATIONS

C 203

CHECKED BY: KFALKE
DRAWN BY: AGLUZMAN
B:\20\20380\Div8-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 203 STORM SEWER CALCULATIONS.dwg Last Saved: KFALKE
Tuesday, January 18, 2022 11:10:10 AM



NORTH

20 40
40 0 80

LEGEND

TC	TOP OF CURB
FL	FLOW LINE
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TG	TOP OF GRATE
AI - X	AREA INLET
ID - X	INLINE DRAIN
CB - X	CATCH BASIN
MEP	MATCH EXISTING PAVEMENT

- CONCRETE SIDEWALK
- 5" CONCRETE PAVING
- 6" CONCRETE PAVING
- 7" CONCRETE PAVING
- DECONSTRUCTED GRANITE RE: LANDSCAPING
- MEDIUM DUTY ASPHALT PAVEMENT
- GRASS PAVERS

NOTES TO SHEET

1. REFER TO LANDSCAPE PLANS FOR SIDEWALK JOINT LAYOUT.
2. REFER TO LANDSCAPE PLANS FOR SPOT ELEVATIONS, GRADES, AND CONTOUR LABELS IN PLAYGROUND AND LANDSCAPE AREAS BEHIND SCHOOL WHERE NO PROPOSED GRADES ARE SHOWN.

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DBG
T 713-965-0608

MEP/T
LEAP ENGINEERS
T 713-940-3300

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

ISSUE FOR CSP

H.F. SCHNEIDER, III
69402
STATE OF TEXAS
11/19/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
12/17/2021	20380

DRAWING HISTORY

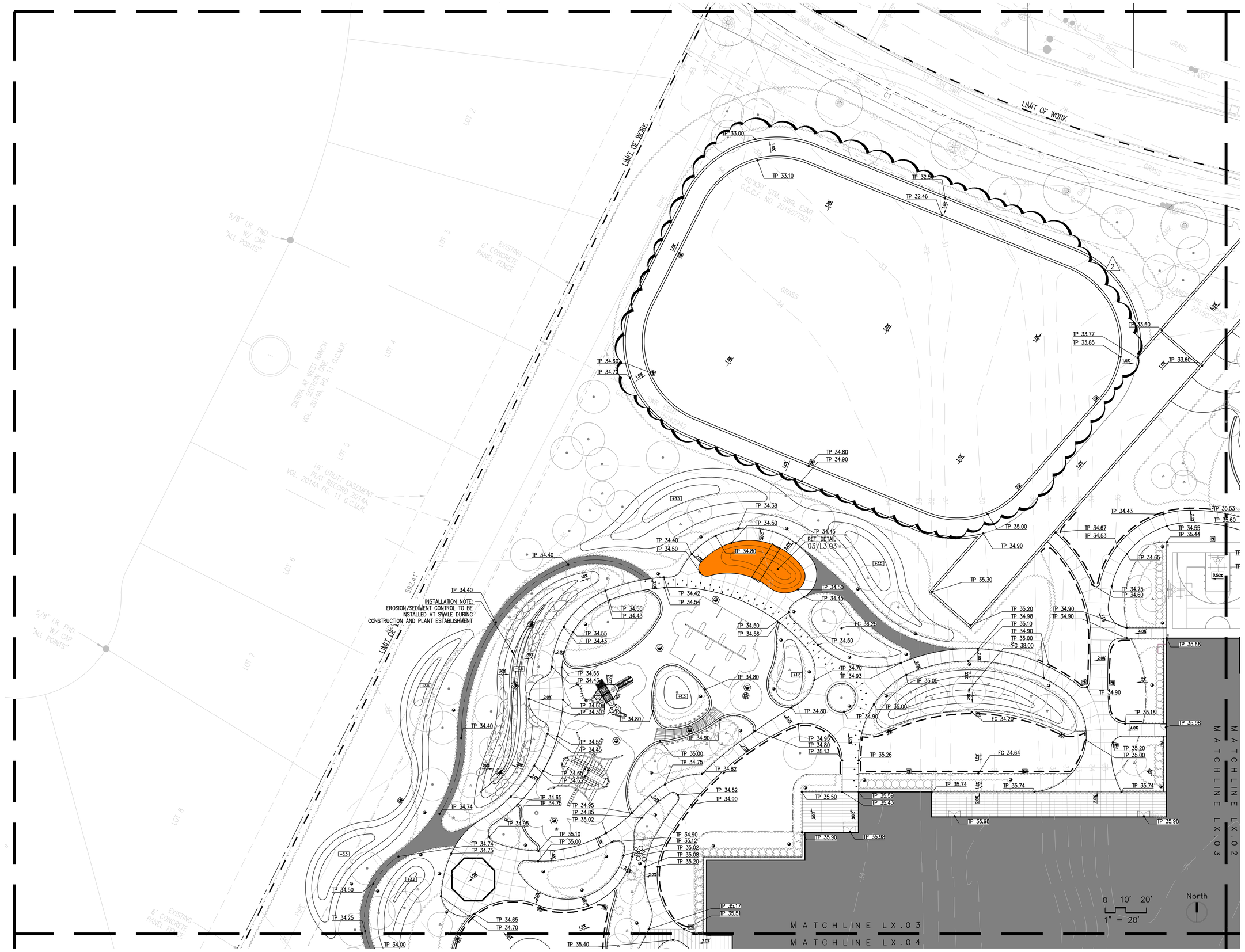
No.	Description	Date
ADD2	ADDENDUM 2	11/19/2022

ISSUE FOR CSP

PAVING AND GRADING PLAN

C 301

B:\2020\20380\Div6-Dwgs\8a BIM CAD\02 Civil\Dwgs\C 301 PAVING AND GRADING PLAN.dwg Last Saved: KFALKE
Wednesday, January 19, 2022 7:39:35 AM
DRAWN BY: AGLUZMAN
CHECKED BY: KFALKE



PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

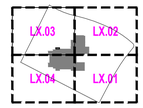
CIVIL
SIG
T 713-965-0608
MEP
LEAP ENGINEERS
T 713-940-3300
LANDSCAPE
EDGELAND
T 830-337-9004

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

75% CONSTRUCTION DOCUMENTS





KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
JANUARY 19, 2022	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM 2	01/19/2022

ISSUE FOR CSP

BUILDING NUMBER

GRADING PLAN

L1.03

AMENITY SCHEDULE (A)

KEY	DESCRIPTION/MODEL	MATERIAL	SUPPLIER/CONT.	SIZE	COLOR	FINISH	REMARK	DETAIL
A1.1	BENCH: LINK, STRAIGHT INLINE WALL MOUNTED; BACKLESS IPE	IPE / METAL	LANDSCAPE FORMS,CONTACT CATHY COMEAUX @ 269.337.1316	23.5"X82"	IPE / MATTE BLACK METAL	–	-TO BE INCLUDED IN FFE PACKAGE	
A1.2	RADIAL BENCH: LINK BENCH, 96" RADII BACKED	IPE / METAL	LANDSCAPE FORMS,CONTACT CATHY COMEAUX @ 269.337.1316	23.5"X87.5"	IPE / MATTE BLACK METAL	–	-INSTALL PER MAN. SPECIFICATIONS	03 L3.02
A2.1	NOT USED	–	–	–	–	–	–	
A4.1	ORN. FENCE-6' TALL 2RMB20708	–	AMERISTAR	–	BLACK	PAINTED	-REF. ARCH	
A4.2	ORN. GATE	–	AMERISTAR	–	BLACK	PAINTED	-REF. ARCH	
A5.1	TABLES AND CHAIRS:BASE BID FERMOB BISTRO CLASSIC BISTRO CHAIRS WITH BISTRO TABLES, ADD ALT BRAVO BISTRO BY LANDSCAPE FORMS	–	FERMOB	–	TBD	–	-TO BE INCLUDED IN FFE PACKAGE	
A5.2	SEATS: CODE MODULAR	–	VESTRE	–	TBD	–	-TO BE INCLUDED IN FFE PACKAGE	

2

PLAYGROUND EQUIPMENT SCHEDULE (A)

KEY	DESCRIPTION	MATERIAL	SUPPLIER	SIZE	COLOR	FINISH	REMARK	DETAIL
PE1	GRFC TUNNEL BY GEORGIA PRECAST	CONC	GEORGIA PRECAST, 470.557.1027	REF. PLAN	TBD	–	–	03 L3.03
PE2	MOUND: COMPACTED FILL WITH PIP SURFACING OVER GUNNITE	–	–	–	–	–	–	03 L3.03 SIM.
PE3	TRELLIS TUNNEL: GALV. STEEL TUNNEL BY RENFRO	–	RENFRO	–	–	–	–	01 L3.04
PE4	GAGA PIT: 30" TALL X 20' ø OCTAGON	STEEL AND CEDAR	COACH CLIFF'S GAGA BALL PITS	REF. PLAN	BLUE POWDER COAT AND NATURAL CEDAR	–	–	06 L3.03
PE5	CONCRETE STEPPERS	CONC	–	12", 18", AND 24" ø	NATURAL GREY	SMOOTH FINISH	–	08 L3.03

PLAYGROUND NOTES(S):
1. REF. PLAYGROUND EQUIPMENT SCHEDULE L2.002 – PLAYGROUND SCHEDULE FOR REMAINING SELECTIONS

PAVING SCHEDULE (P)

SYMBOL	KEY	DESCRIPTION	SUPPLIER/CONT.	MATERIAL	SIZE	COLOR	FINISH	REMARK	DETAIL
	P1	CONCRETE PAVING, MEDIUM DUTY	–	CONCRETE	–	NATURAL GREY	MED. BROOM FINISH	-REINFORCEMENT AND SIZING REF. CIVIL	01 L3.01
	P2	CONCRETE PAVING, MEDIUM DUTY WITH SAWCUT JOINTS	–	CONCRETE	–	NATURAL GREY	TOP-CAST 05	-CONTRACTOR SHALL SUBMIT 6'X6' MOCK UP FOR LA APPROVAL	01 L3.01
	P3	PLAY SURFACE:PIP RUBBERIZED SURFACING WITH GRAVEL BASE	FUN ABOUNDS	PIP RUBBER OVER COMPACTED GRAVEL	–	TBD	–	-REF. DETAILS -COLOR TO BE SELECTED BY L.A.	01 L3.03
	P4	GRAVEL PAVING:EMPIRE BLUE	ALAMO STONE	GRANITE	2" MINUS	COOL GREY	–	-4" DEPTH	06 L3.01
	P5	TRAILS: DECOMPOSED GRANITE	LIVING EARTH	DECOMPOSED GRANITE	3" DEPTH	–	–	-CREST TO DRAIN -REF. SPEC	02 L3.06
	P6	SYNTHETIC TURF: CENTIPEDE 321 WITH 2" FOAM PAD AS NEEDED BY SYNLAWN	SYNLAWN, CONTACT KAMMER CLAN 346.333.5144	SYTHETIC TURF	–	–	–	-INSTALL PER MANU. -HIGH TRAFFIC AREAS TO BE ADDED AS NEEDED	02 L3.03
	P7	CONCRETE MAINTENANCE BAND, 18"WIDE	–	–	–	–	–	-REF. DETAIL	10 L3.01
	P8	SWALE COBBLE	ALAMO STONE	SIENNA COBBLES	80% 6"-12" 20% 2"-4"	NATURAL	–	–	01 L3.05
	P9	RUNNING TRACK: ASPHALT WITH 12" CONC. BANDS	–	–	–	–	–	-REF. CIVIL	
	SE	STEEL EDGING	COL-MET	STEEL	1/8"TH	BLACK	MATTE	REF. SPECS	09 L3.01

PAVING NOTE(S):
1. 5'(FT) X 5'(FT) MOCK-UPS TO BE PROVIDED FOR ALL PAVING SYSTEMS, LANDSCAPE ARCHITECT TO PROVIDE APPROVAL BEFORE INSTALLATION
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL CONCRETE CONTROL AND EXPANSION JOINTS

STEP AND WALL SCHEDULE (W)

KEY	DESCRIPTION	MATERIAL	SUPPLIER	SIZE	COLOR	FINISH	REMARK	DETAIL
C1.1	FLUSH CURB: CONCRETE BAND 10" WIDE	–	–	10" WIDE	NATURAL	–	-REF. DETAIL	08 L3.01
C1.2	FLUSH CURB: CONCRETE BAND 12" WIDE	–	–	12" WIDE	NATURAL	–	-REF. CIVIL -BORDERS FIRELANE AND TRACK	08 L3.01 SIM.
C2	CURB: 6" CIP CONCRETE CURB	–	–	–	NATURAL	–	-REF. DETAIL	05 L3.02
C3	CURB: MOUNTABLE, REF. CIVIL	–	–	–	NATURAL	–	-REF. CIVIL	
S1.1	STAIR: CIP	–	–	–	NATURAL	–	-REF. ARCH	01 L3.02
W1.1	FREE STANDING WALL: CIP WITH FORMLINER FINISH	–	–	18" WIDE	NATURAL	–	-REF. DETAIL -FORMLINER TO BE #1122 TRAPEZOID RANDOM STRIATIONS BY SCOTT SYSTEM	02 L3.02
W1.2	RETAINING SEAT WALL: CIP WITH FORMLINER FINISH	–	–	–	NATURAL	–	-REF. DETAIL -FORMLINER TO BE #1122 TRAPEZOID RANDOM STRIATIONS BY SCOTT SYSTEM	02 L3.02
W1.3	AMPHITHEATER SEAT: CIP WITH FORMLINER FINISH	–	–	–	NATURAL	–	-REF. ARCH	
W5	STACKED RETAINING WALL: ALAMO RUSTIC BOULDERS	ALAMO STONE CONTACT:TOM MALLOY @ 281.240.4600	–	BOULDER GENERAL SIZING TO BE 14"X16"X30"	NATURAL	–	-CONTRACTOR TO MOCK UP TYP. BOULDER FOR LA APPROVAL PRIOR TO INSTALLATION -CONTRACTOR TO MARK AND FLAG ALL BOULDER LOCATIONS PRIOR TO INSTALLATION	01 L3.05
R1	CURB RAMP: TYP. CONCRETE CURB RAMP	–	–	–	NATURAL	–	-REF. CIVIL	

PBK

ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DRG
T 713-965-0608

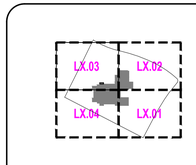
MEP/T
LEAF ENGINEERS
T 713-940-3300

LANDSCAPE
EDGELAND
T 630-337-0014

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546

75% CONSTRUCTION DOCUMENTS



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
JANUARY 19, 2022	20380

DRAWING HISTORY

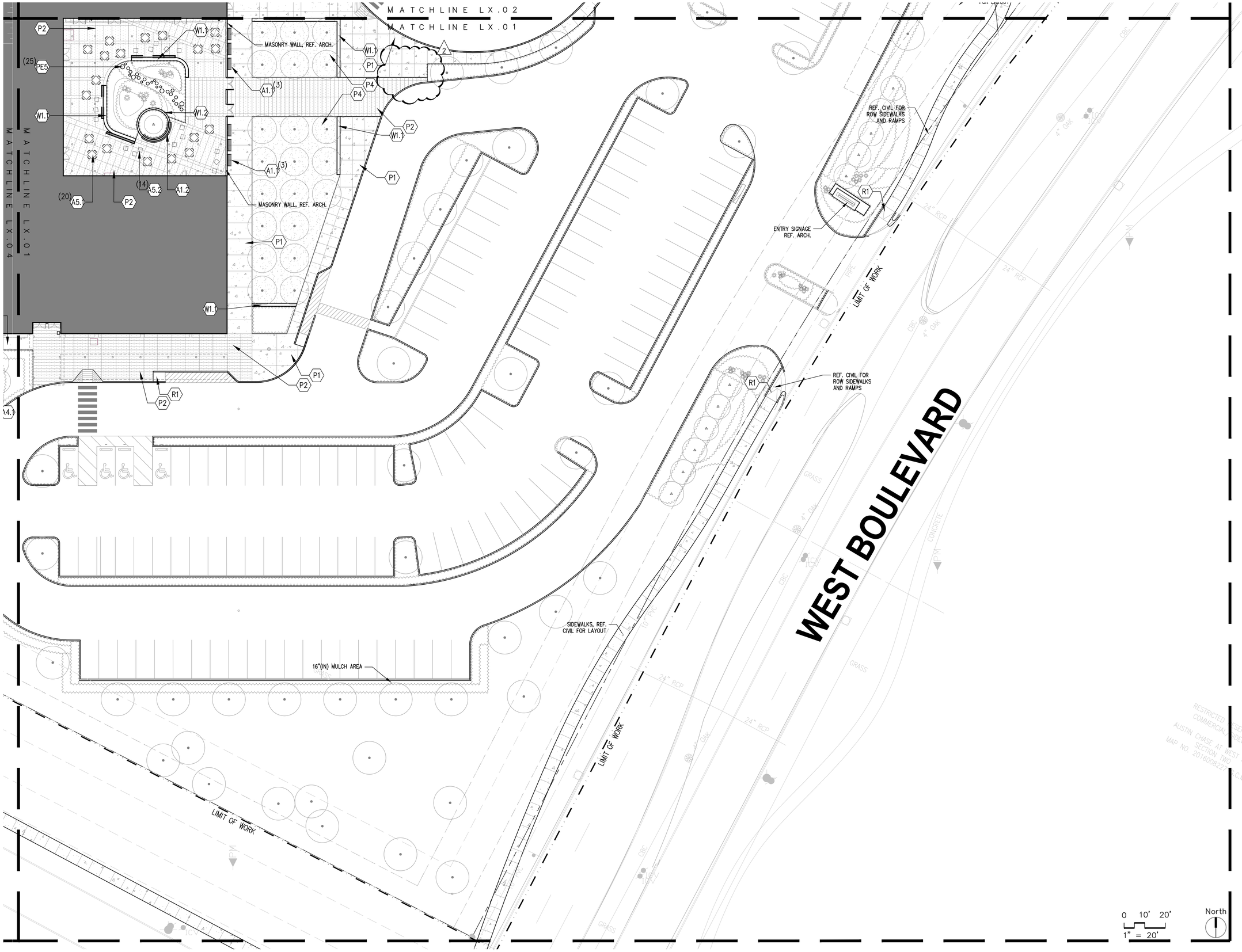
No.	Description	Date
2	ADDENDUM 2	01/19/2022

ISSUE FOR CSP

BUILDING NUMBER

MATERIALS SCHEDULE

L2.001



PBK

ARCHITECT PBK Architects, Inc.

HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

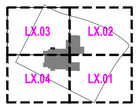
CIVIL
DIG
T 713-965-0608

MEPT
LEAF ENGINEERS
T 713-940-3300

LANDSCAPE
EDGELAND
T 630-337-0074

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546
75% CONSTRUCTION DOCUMENTS



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
JANUARY 19, 2022	20380

DRAWING HISTORY

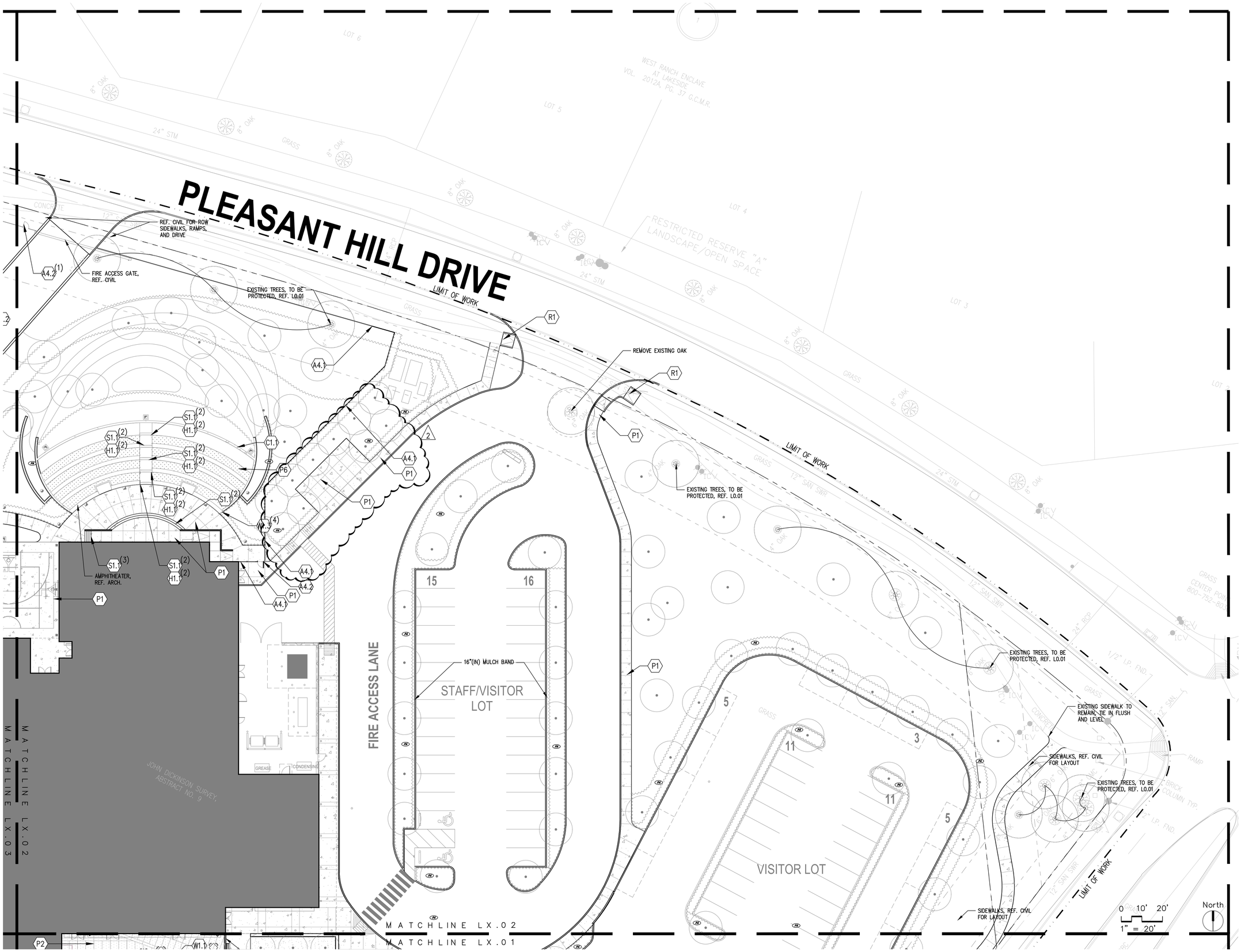
No.	Description	Date
2	ADDENDUM 2	01/19/2022

ISSUE FOR CSP

BUILDING NUMBER

MATERIALS PLAN

L2.01



PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

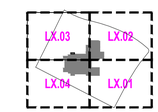
CIVIL
DIG
T 713-965-0608

MEPT
LEAF ENGINEERS
T 713-940-3300

LANDSCAPE
EDGELAND
T 630-337-0074

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546
75% CONSTRUCTION DOCUMENTS



KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
JANUARY 19, 2022	20380

DRAWING HISTORY

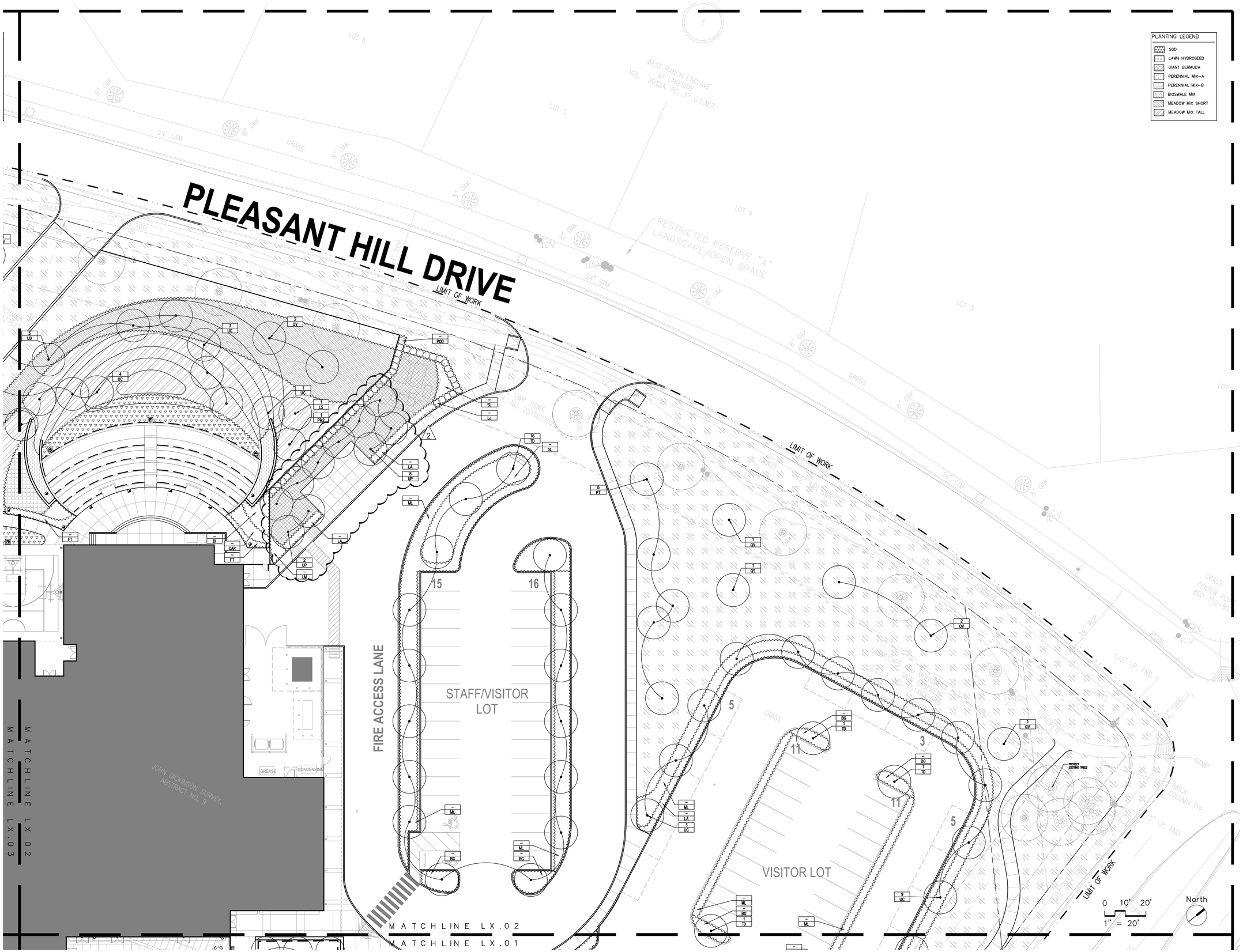
No.	Description	Date
2	ADDENDUM 2	01/19/2022

ISSUE FOR CSP

BUILDING NUMBER

MATERIALS PLAN

L2.02



PLANTING LEGEND

- SOD
- LAWN HYDROSEED
- GIANT BERMUDA
- PERENNIAL MIX–A
- PERENNIAL MIX–B
- BIOSWALE MIX
- MEADOW MIX SHORT
- MEADOW MIX TALL

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

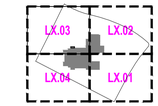
CIVIL
DIG
T 713-965-0608

MEPT
LEAF ENGINEERS
T 713-940-3300

LANDSCAPE
EDGELAND
T 630-337-0074

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD
FRIENDSWOOD, TX 77546
75% CONSTRUCTION DOCUMENTS



KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
JANUARY 19, 2022	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM 2	01/19/2022

ISSUE FOR CSP

BUILDING NUMBER

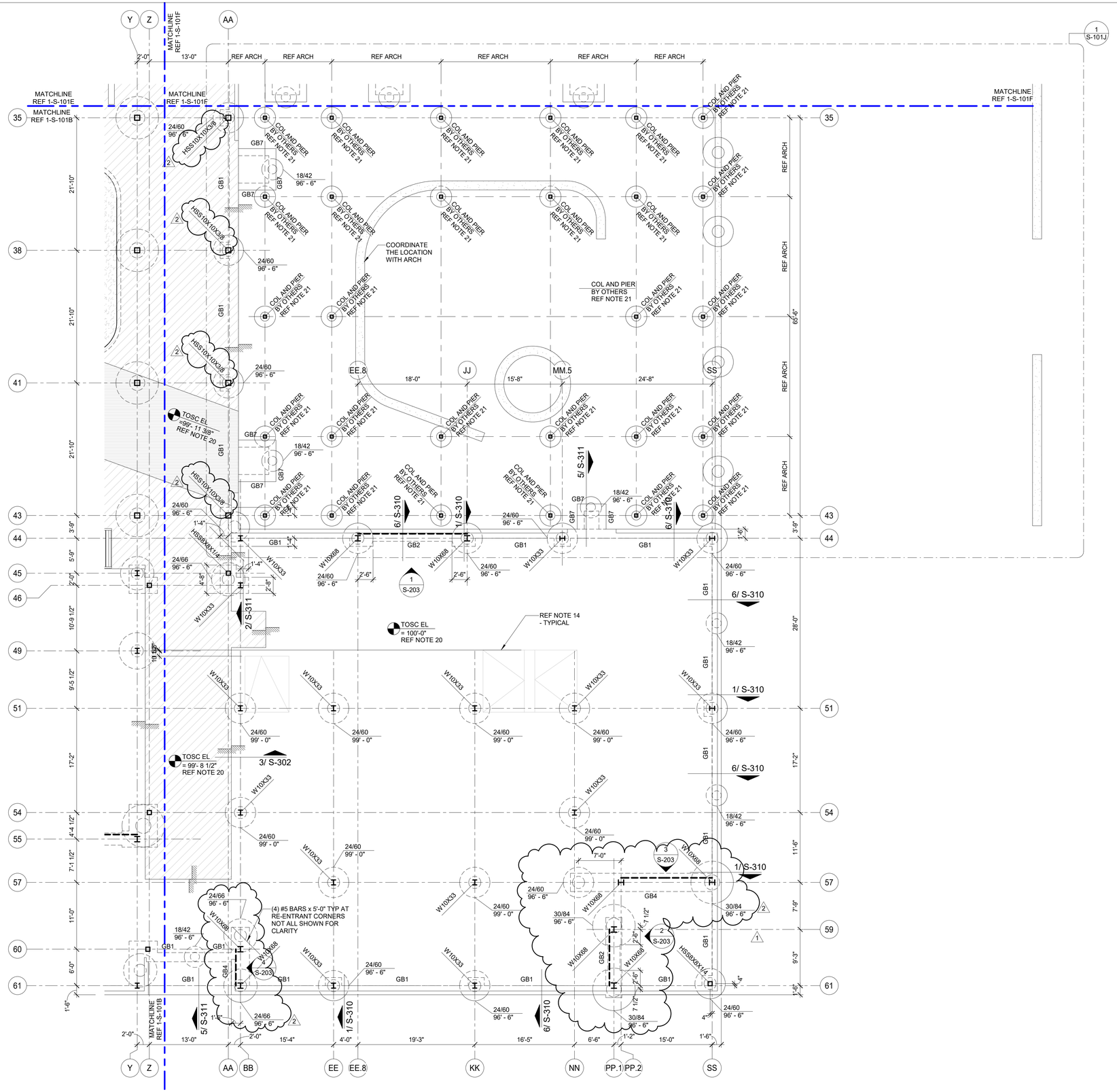
PLANTING PLAN

L4.02

FOUNDATION AND 1ST LEVEL PLAN - AREA A

S-101A

FOR BLUEBEAM LABELING/OCR:



1 FOUNDATION AND 1ST LEVEL PLAN - AREA A

1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK

ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608

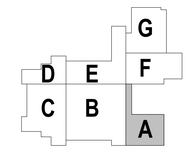
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEP/T
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE DECEMBER 17, 2021
PROJECT NUMBER 20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

FOUNDATION AND 1ST LEVEL PLAN - AREA A

S-101A

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

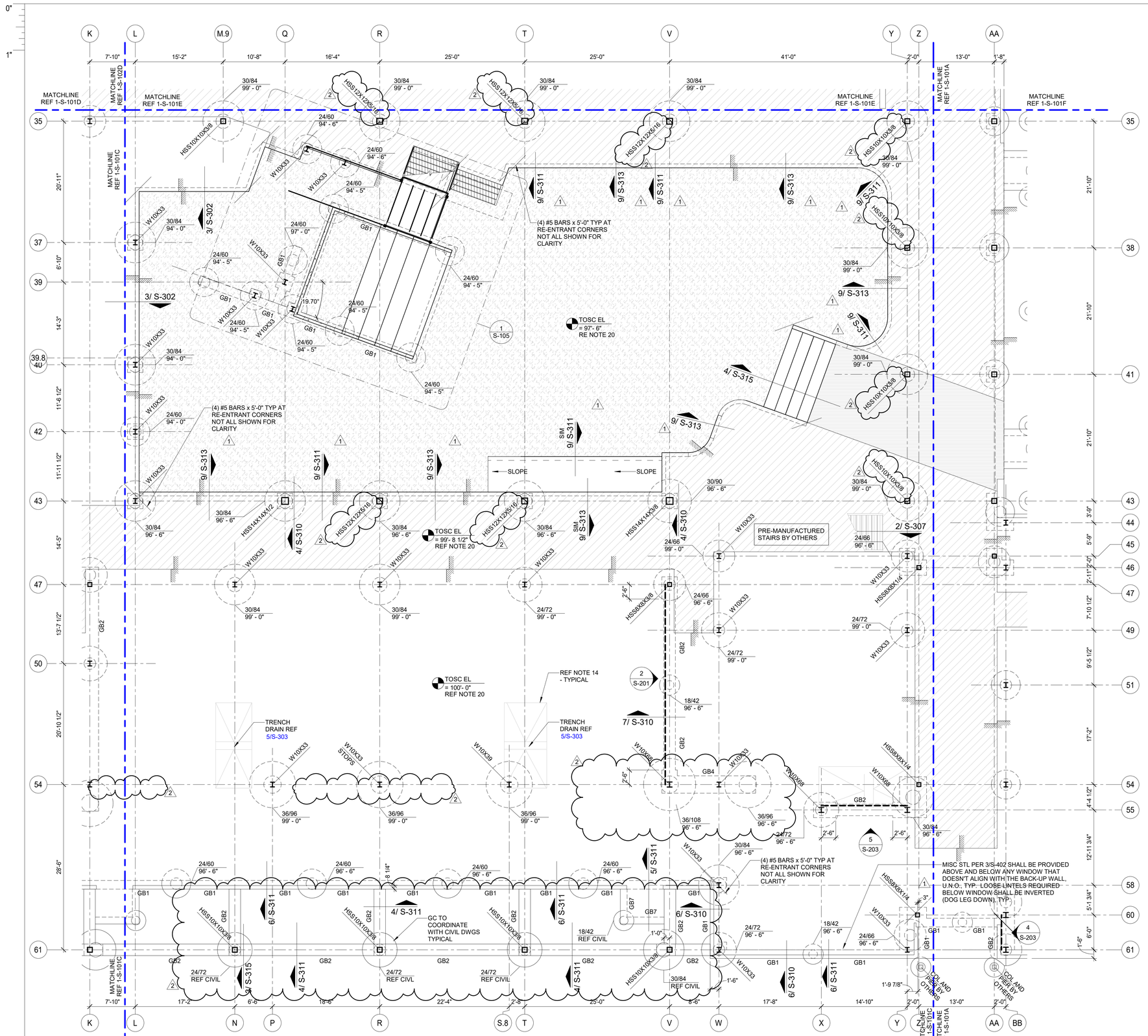
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:37 PM

FOUNDATION AND 1ST LEVEL PLAN - AREA B

S-101B

FOR BLUEBEAM LABELING/OCR:



1 FOUNDATION AND 1ST LEVEL PLAN - AREA B
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY.
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEP/T
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

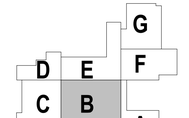
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

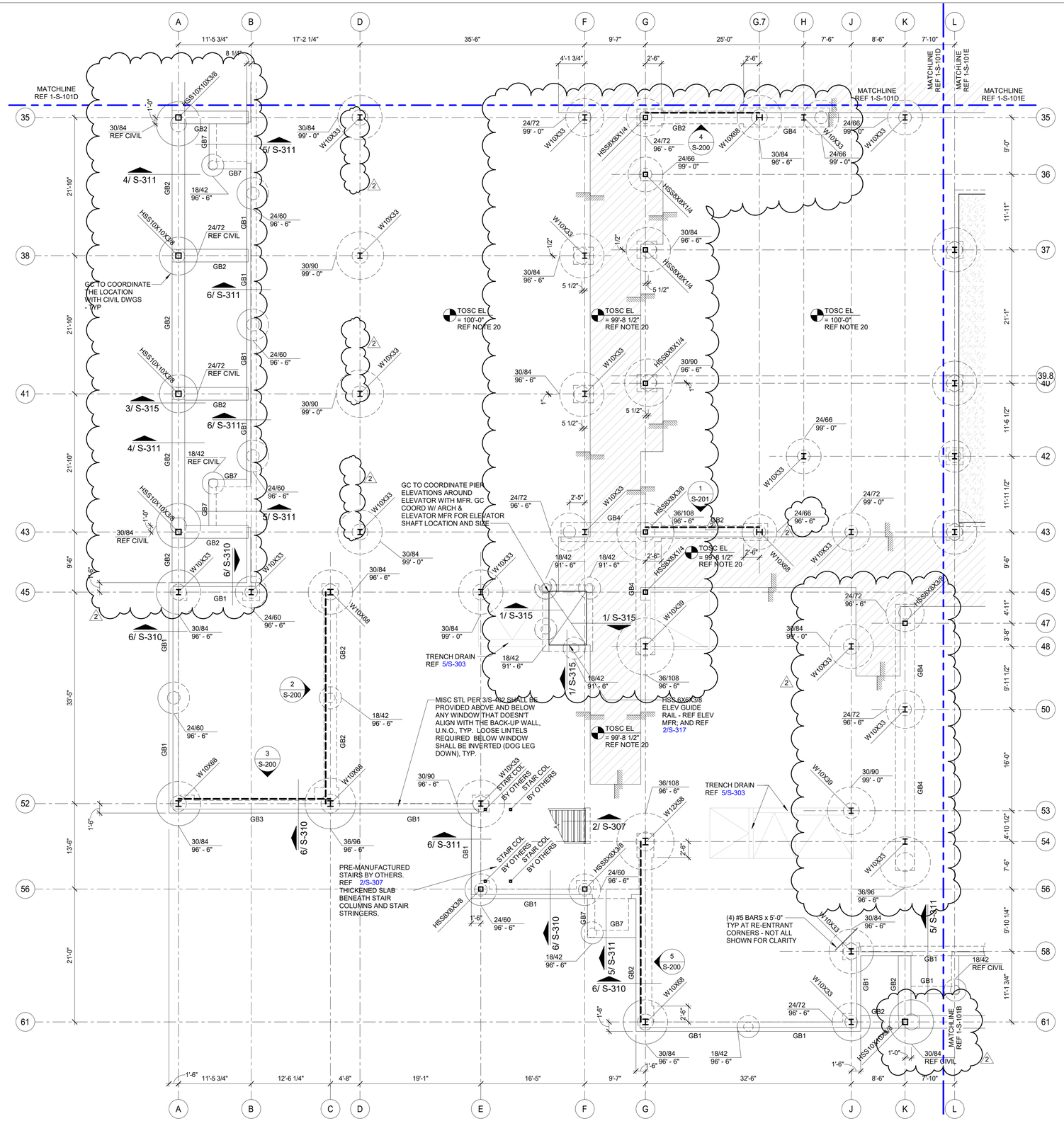
FOUNDATION AND 1ST LEVEL PLAN - AREA B

S-101B

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:40 PM



1 FOUNDATION AND 1ST LEVEL PLAN - AREA C
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK
ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL DIG ENGINEERS 7 713 940 3238
STRUCTURAL KUBALA ENGINEERS 7 800 248 3674
MEPT LEAF ENGINEERS 7 713 940 3300
FOOD SERVICES FOODSERVICE DESIGN PROFESSIONALS 7 281 350 2323
BUILDING ENVELOPE BEAM 7 713 940 3201

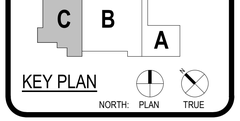
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

FOUNDATION AND 1ST LEVEL PLAN - AREA C

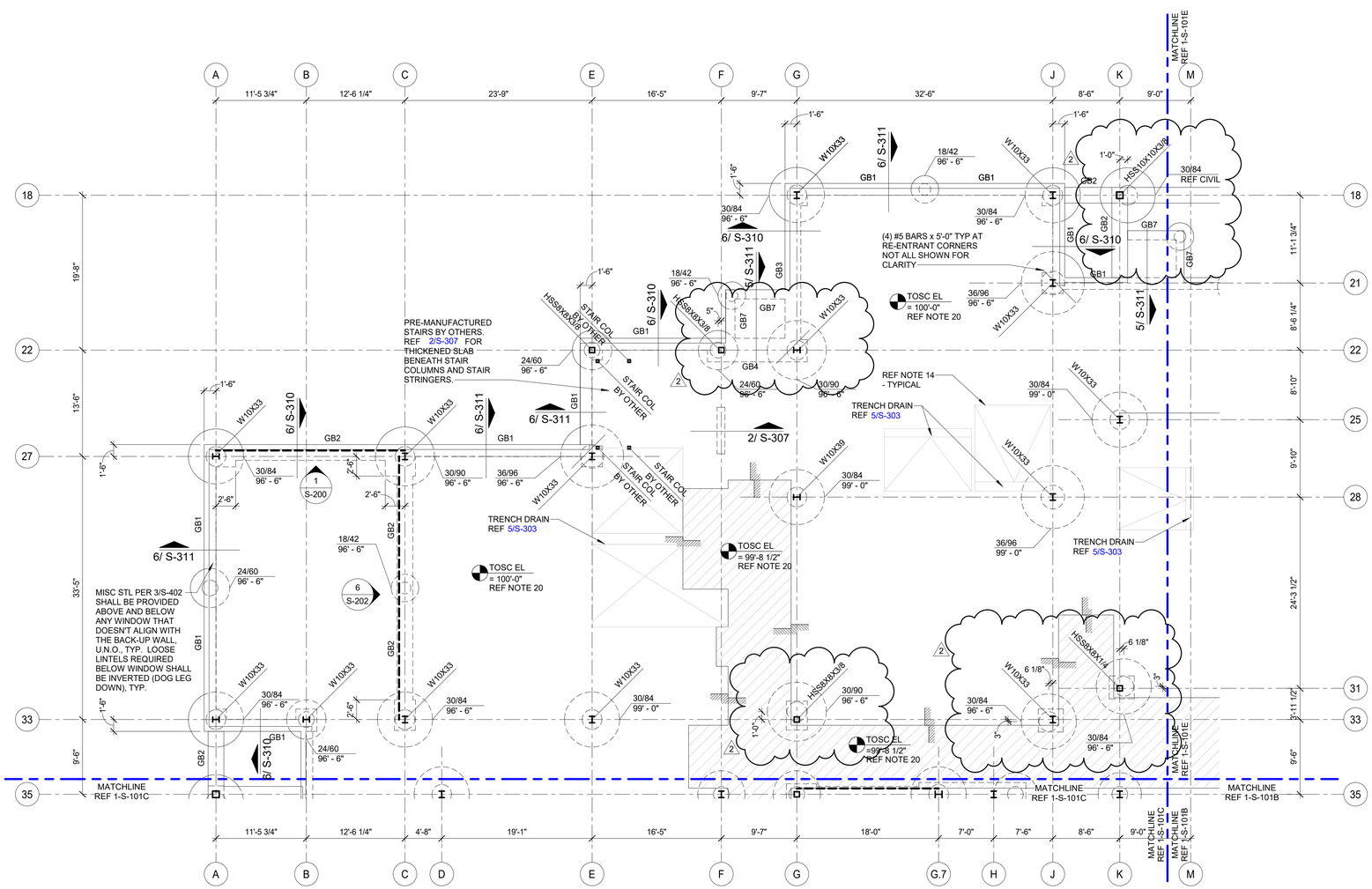
S-101C

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

FOUNDATION AND 1ST LEVEL PLAN - AREA C
S-101C
FOR BLUEBEAM LABELING/OCR:

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:43 PM



1 FOUNDATION AND 1ST LEVEL PLAN - AREA D
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN
G D E F C B A
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
REGISTERED PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

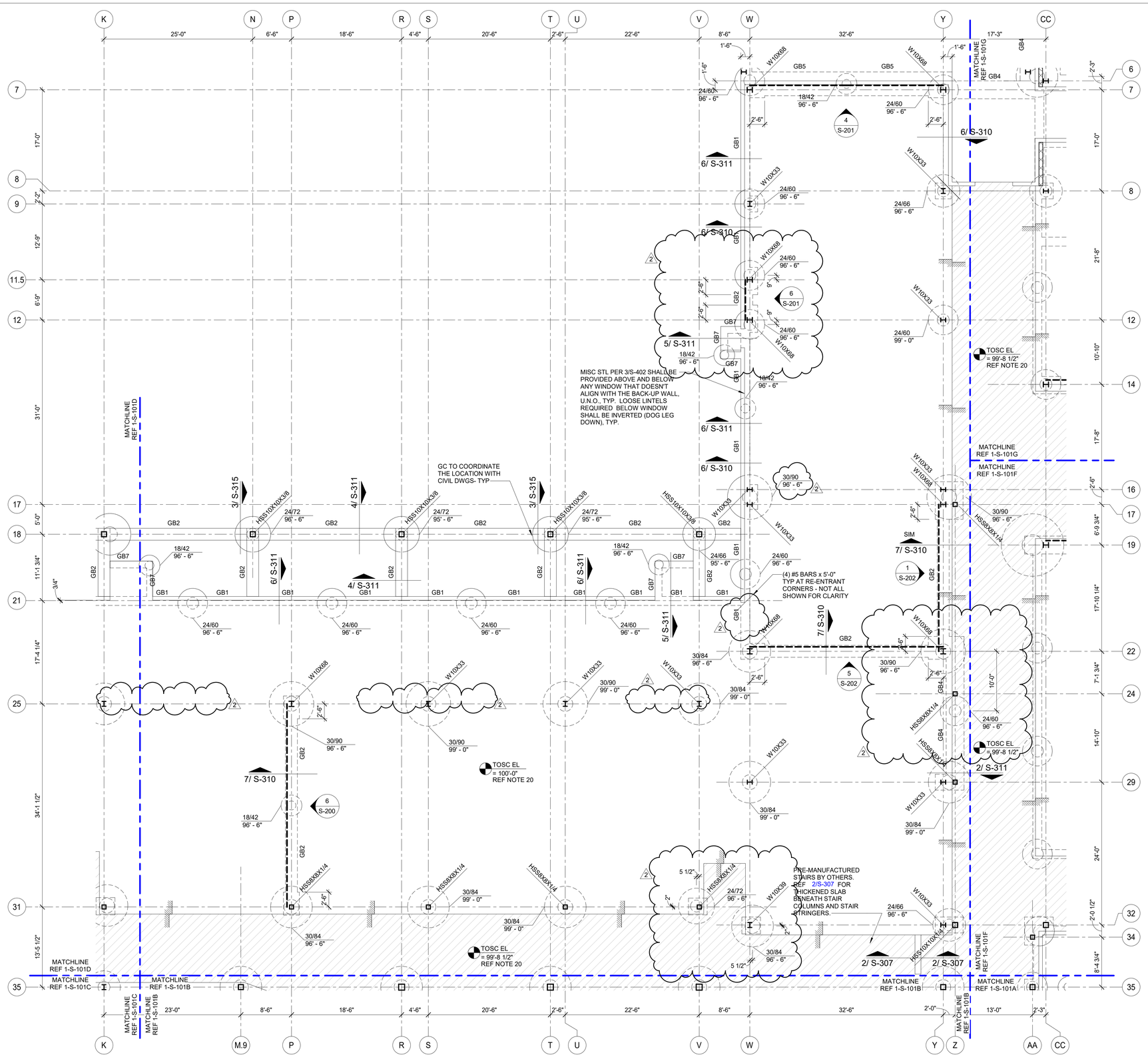
BUILDING NUMBER

FOUNDATION AND 1ST LEVEL PLAN - AREA D

S-101D

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:45 PM



1 FOUNDATION AND 1ST LEVEL PLAN - AREA E
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

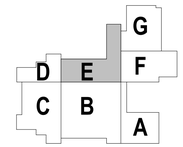
*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK
ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN


NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

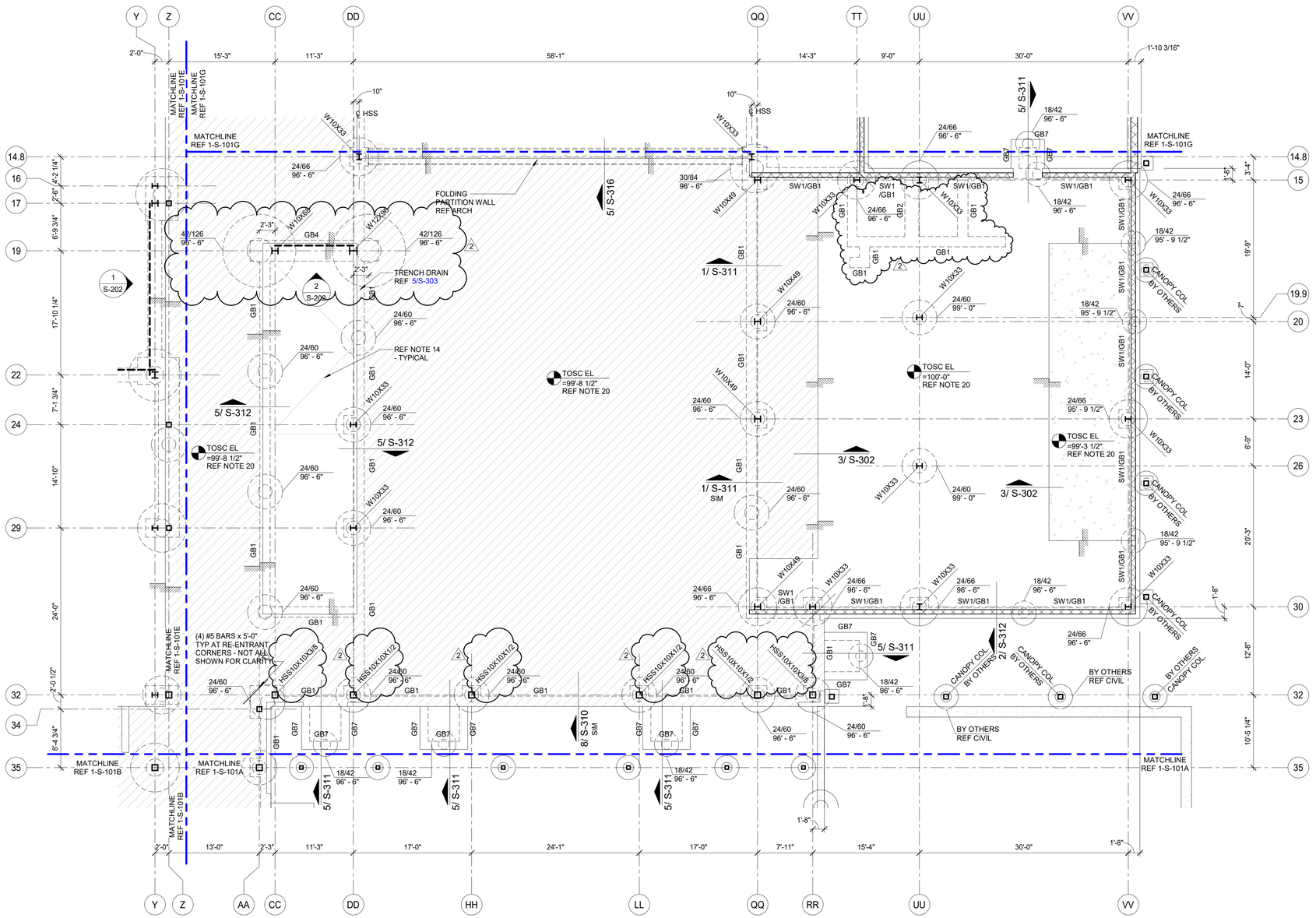
FOUNDATION AND 1ST LEVEL PLAN - AREA E

S-101E

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-101E
FOUNDATION AND 1ST LEVEL PLAN - AREA E
FOR BLUEBEAM LABELING/OCR:

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:46 PM



1 FOUNDATION AND 1ST LEVEL PLAN - AREA F
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

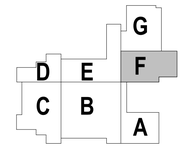
PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL DIG ENGINEERS T 713 940 3238
STRUCTURAL KUBALA ENGINEERS T 800 248 3674
MEPT LEAF ENGINEERS T 713 940 3300
FOOD SERVICES FOODSERVICE DESIGN PROFESSIONALS T 281 350 2323
BUILDING ENVELOPE BEAM T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP







CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

FOUNDATION AND 1ST LEVEL PLAN - AREA F

S-101F

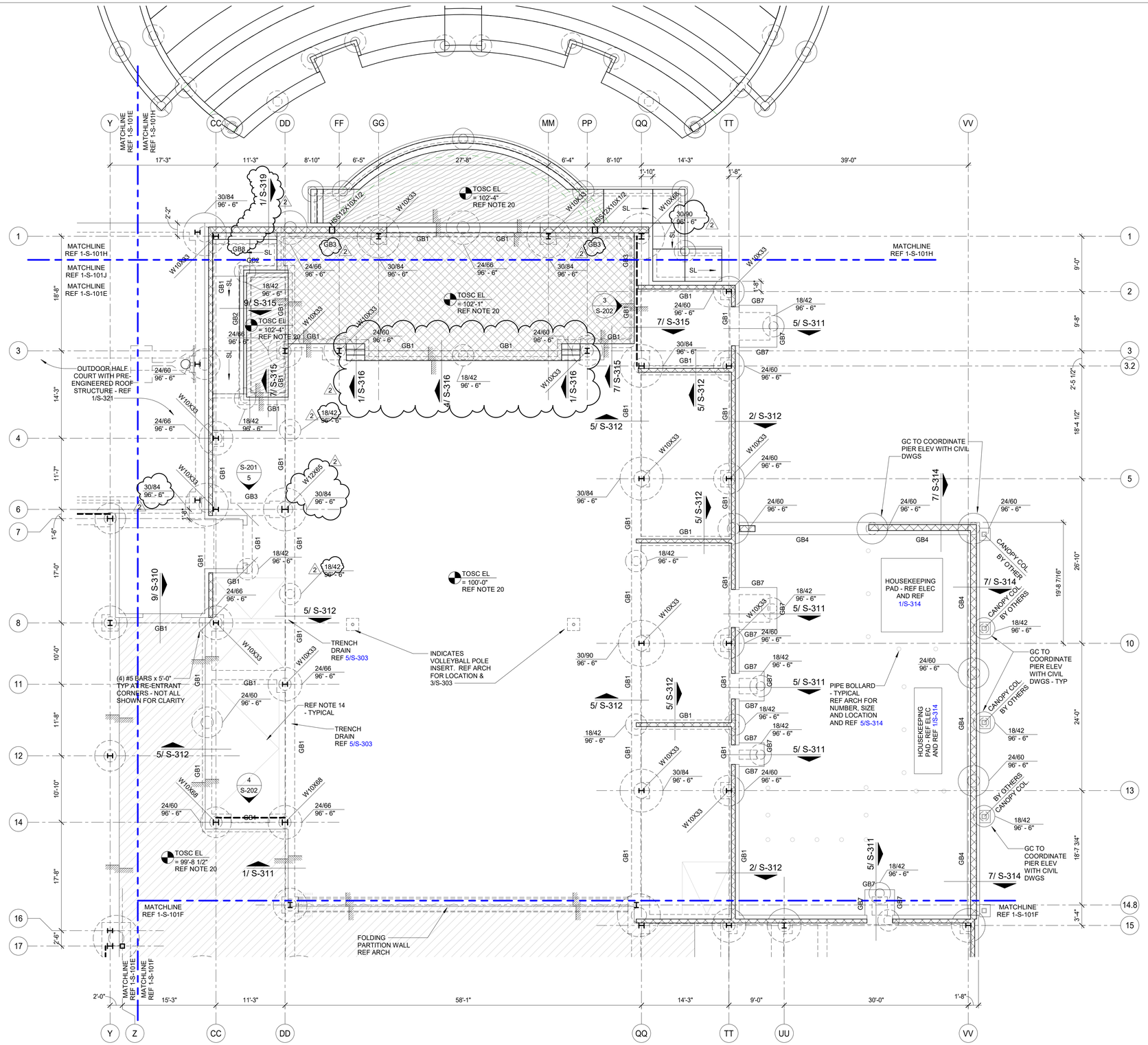
Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:46 PM

FOUNDATION AND 1ST LEVEL PLAN - AREA G

S-101G

FOR BLUEBEAM LABELING/OCR:



1 FOUNDATION AND 1ST LEVEL PLAN - AREA G
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 100'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
5. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. PROVIDE (4) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
7. VERIFY THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.
8. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
9. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
10. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.
11. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
12. REF PLAN FOR COLUMN SIZES.
13. UNLESS NOTED OTHERWISE ON PLAN, TOP OF PLINTH ELEVATION IS 99'-0".
14. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES, AND FLOOR DRAINS. REF 5/S-303 FOR TRENCH DETAIL AND REF 4/S-303 FOR FLOOR DRAIN DETAIL.
15. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 3/S-312; TYPICAL AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE DETAIL ; TYPICAL.
16. PIERS/FOOTIMGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
    A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
    B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
    C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
    D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.
17. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 5/S-302 FOR DETAIL TYP
18. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.
19. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
20. 5" NW CONCRETE SLAB-ON-GRADE, REINFORCED WITH #3 AT 10" OC OR #4 AT 16" OC EACH WAY ON 3 1/2" CHAIRS SPACED AT 36" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT). REF TO SLAB JOINT 1/S-302 AND 2/S-302
21. GC TO COORDINATE THE TOP OF PIER ELEVATION AT CANOPIES WITH CIVIL GRADES AND ARCH DRAWINGS. PROVIDE 2'-0" MIN COVER BELOW THE EXTERIOR FINISH GRADE.

*******GC NOTE*******
IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REFERENCE DETAIL 6/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0"AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FROM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SUPPORTS SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0"THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 6/S-311 (TYP.)

PBK

ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238

STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674

MEPT
LEAF ENGINEERS
T 713 940 3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323

BUILDING ENVELOPE
BEAM
T 713 940 3201

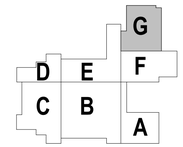
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN



STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE
DECEMBER 17, 2021

PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

FOUNDATION AND 1ST LEVEL PLAN - AREA G

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-101G

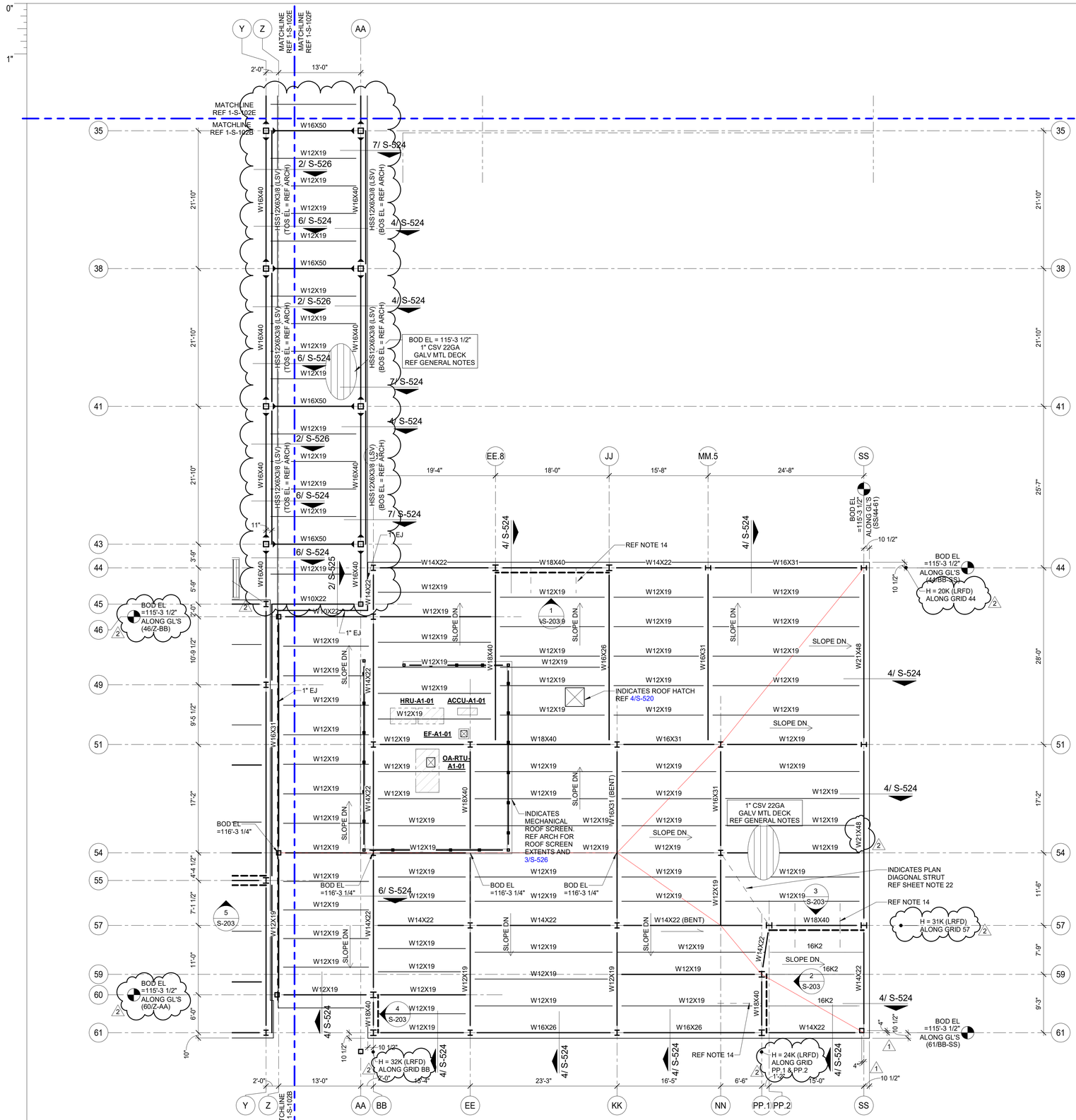
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:47 PM

S-102A

LOW ROOF - FRAMING PLAN - AREA A

FOR BLUEBEAM LABELING/OCR:



1 LOW ROOF - FRAMING PLAN - AREA A

1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — — INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238

STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674

MEPT
LEAF ENGINEERS
T 713 940 3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323

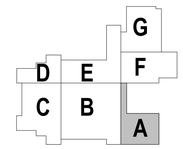
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

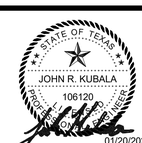
1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

LOW ROOF - FRAMING PLAN - AREA A

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-102A

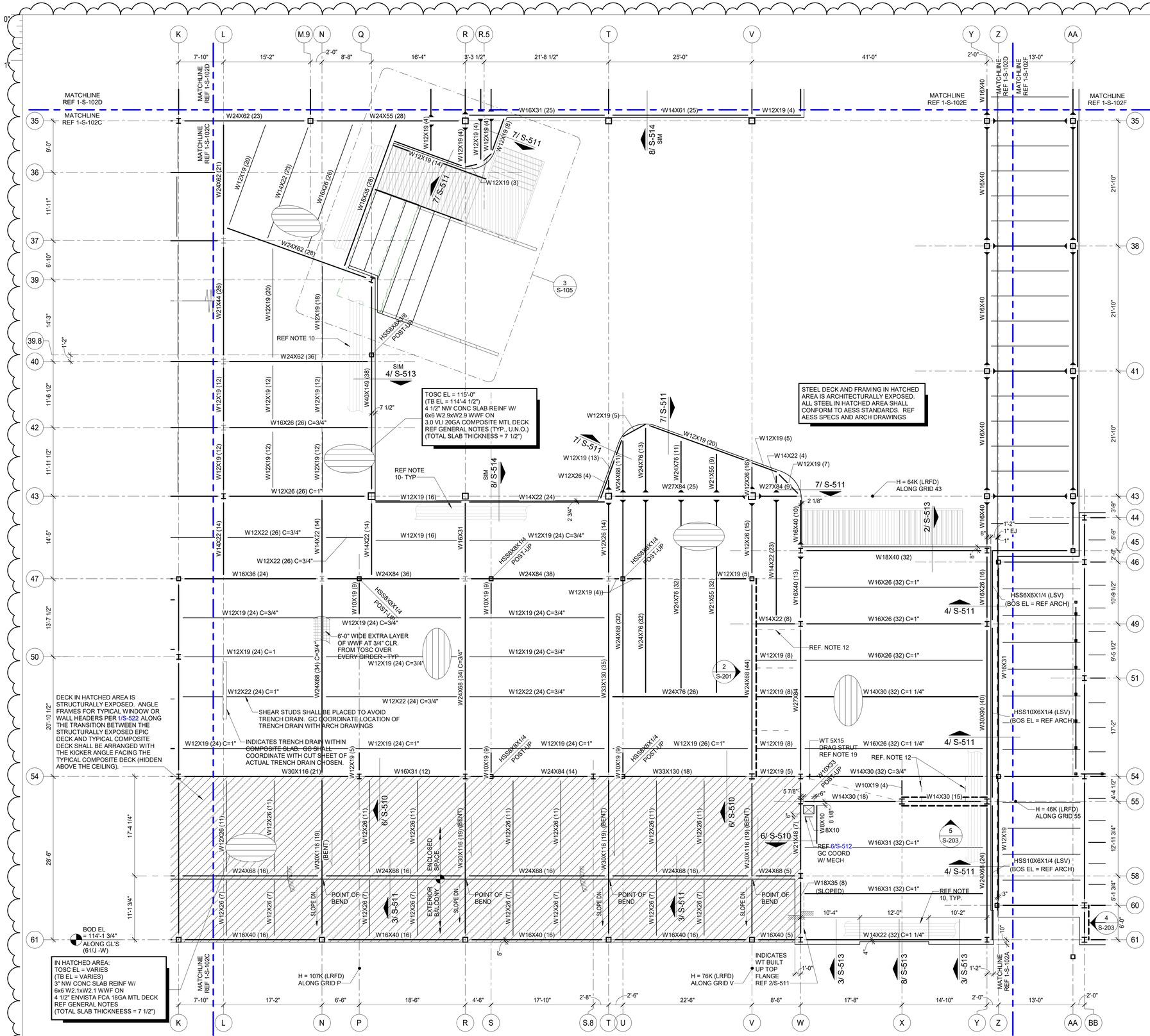
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:50 PM

2ND LEVEL - FRAMING PLAN - AREA B

S-102B

FOR BLUEBEAM LABELING/OCR:



1 2ND LEVEL - FRAMING PLAN - AREA B
1/8" = 1'-0"

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0"
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #6 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP.) NOT ALL SHOWN ON PLAN FOR CLARITY.
11. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
12. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 1/S-512 TYP. ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
13. REF DETAIL 7/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
14. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
16. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
17. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
18. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15, COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

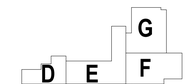
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEP/T
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - FRAMING PLAN - AREA B

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-102B

2

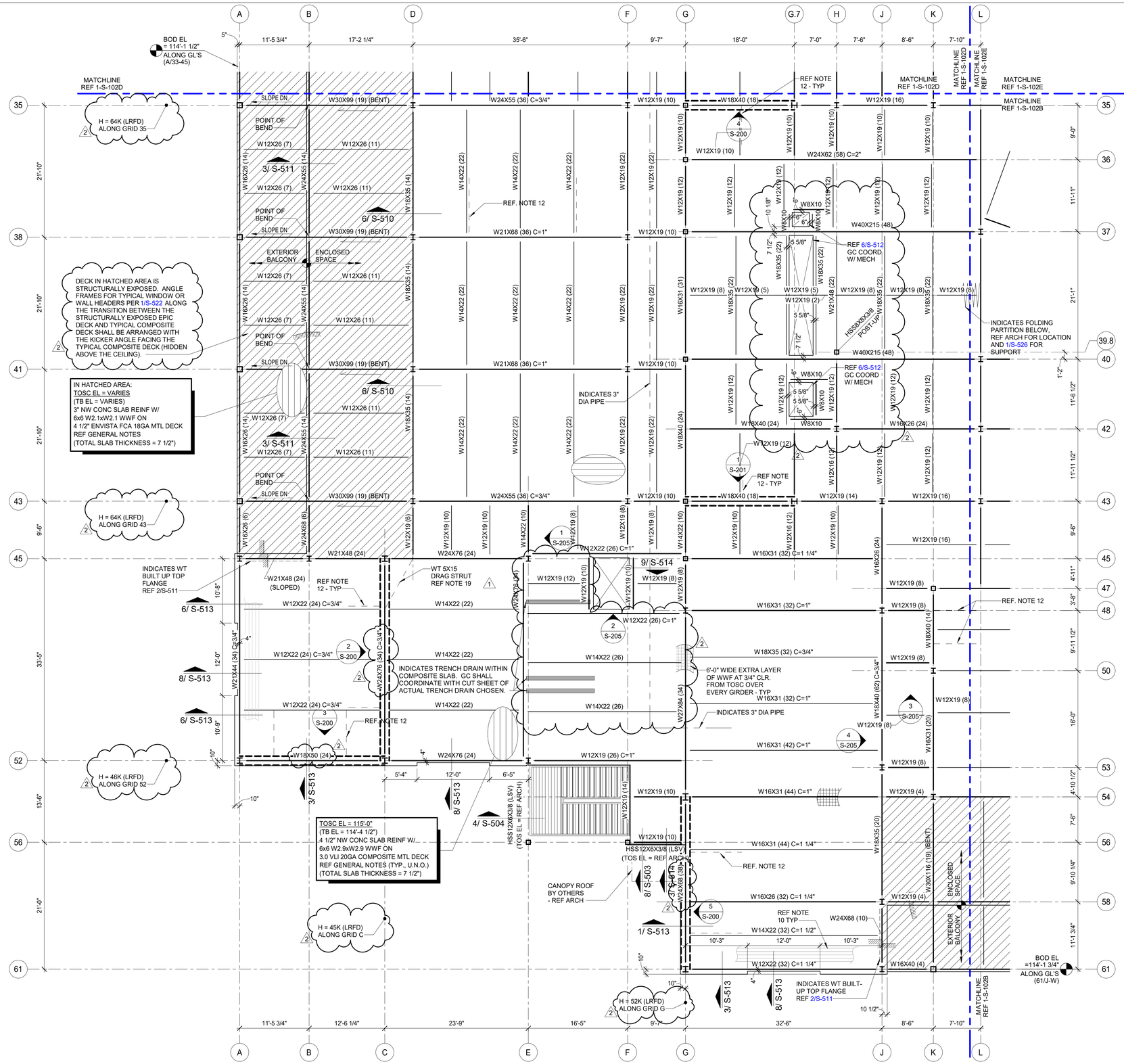
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 1/20/2022 1:47:53 PM

S-102C

2ND LEVEL - FRAMING PLAN - AREA C

FOR BLUEBEAM LABELING/OCR:



1 2ND LEVEL - FRAMING PLAN - AREA C
1/8" = 1'-0"

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0"
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #6 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP.) NOT ALL SHOWN ON PLAN FOR CLARITY.
11. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
12. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 1/S-512 TYP. ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
13. REF DETAIL 7/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
14. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
16. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
17. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
18. ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15, COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

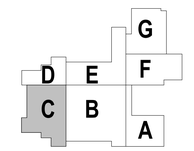
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

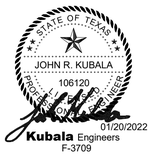
1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - FRAMING PLAN - AREA C

S-102C

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

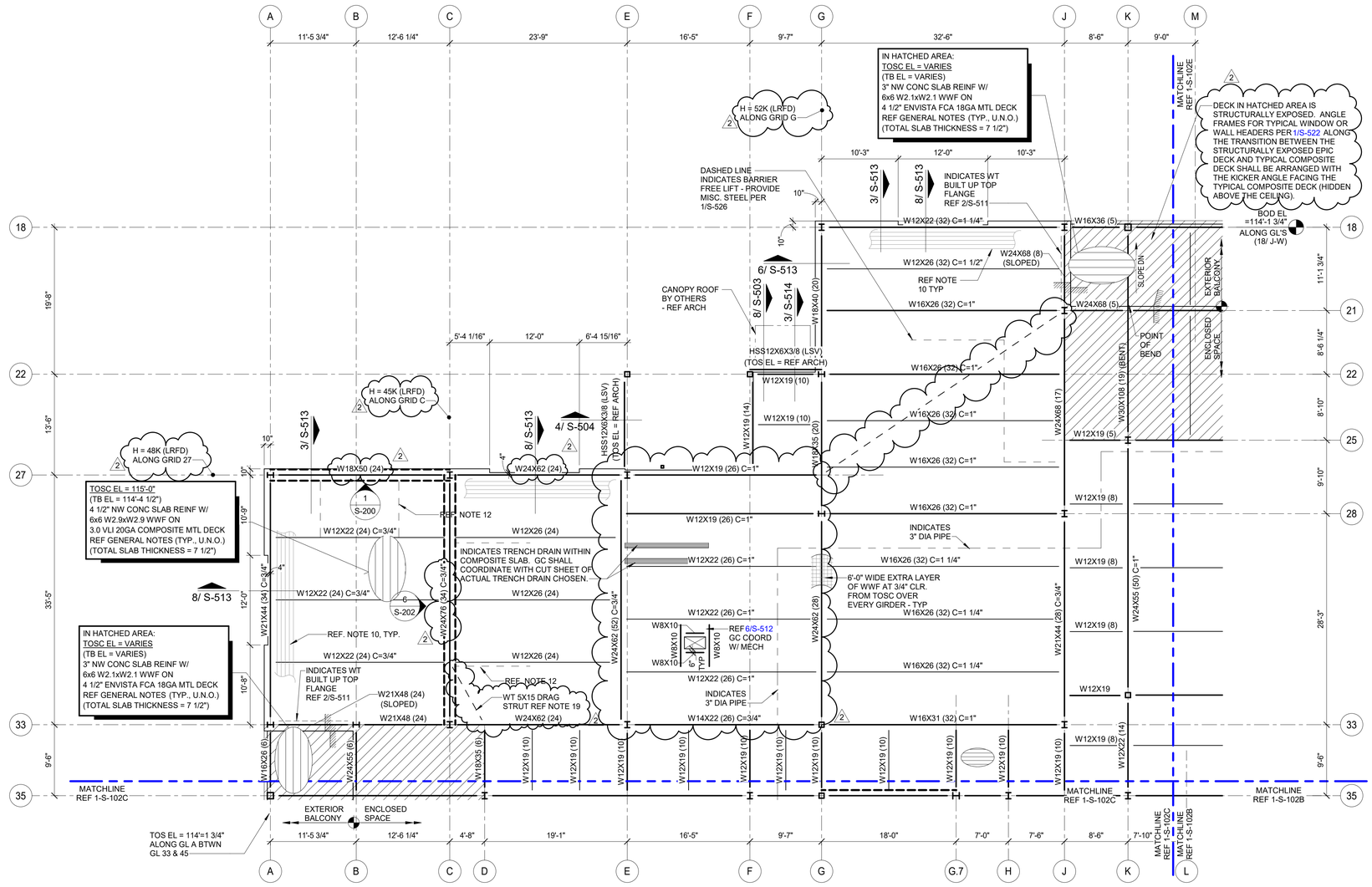
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:47:54 PM

0"
1"

2ND LEVEL - FRAMING PLAN - AREA D

S-102D

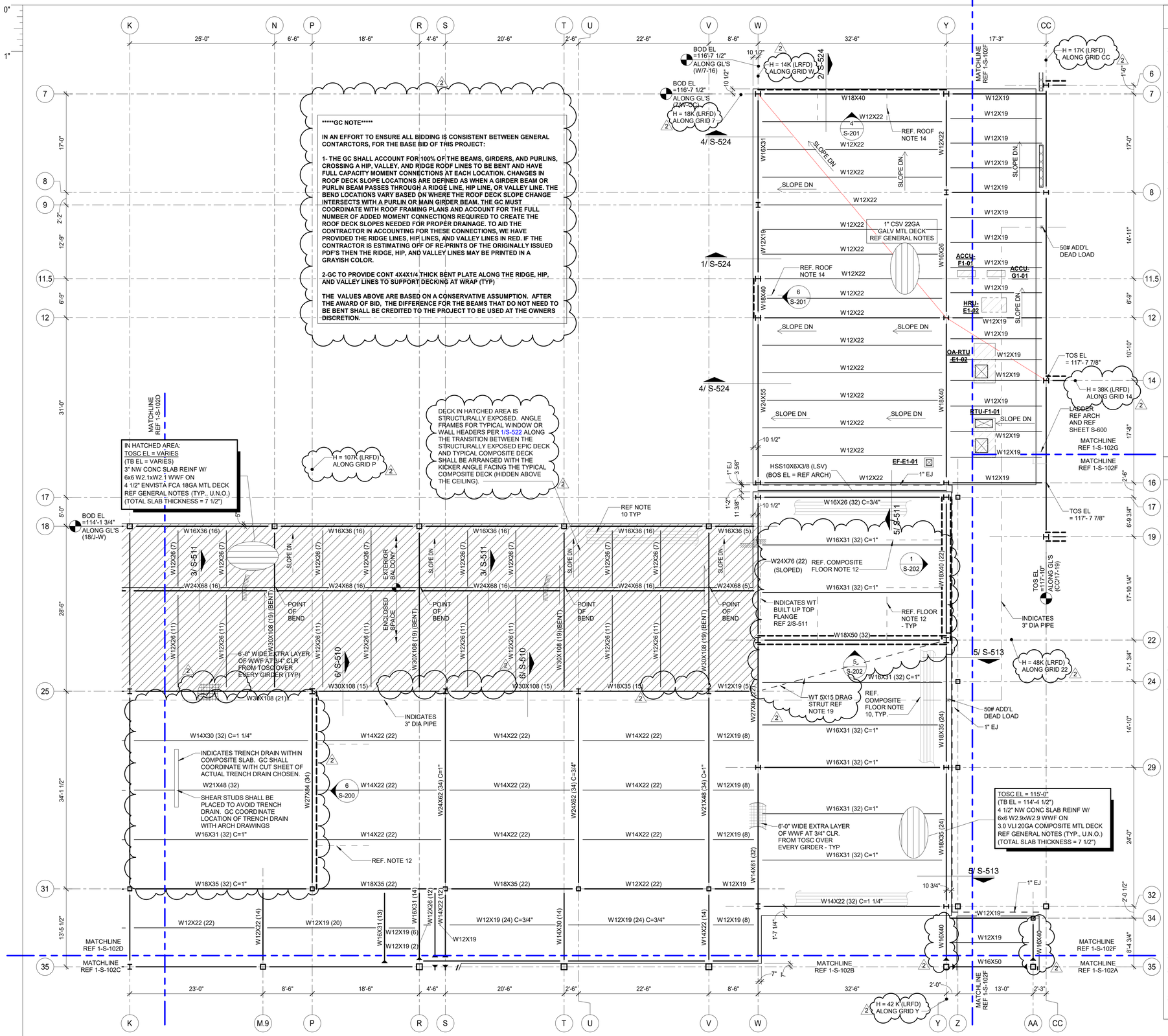
FOR BLUEBEAM LABELING/OCR:

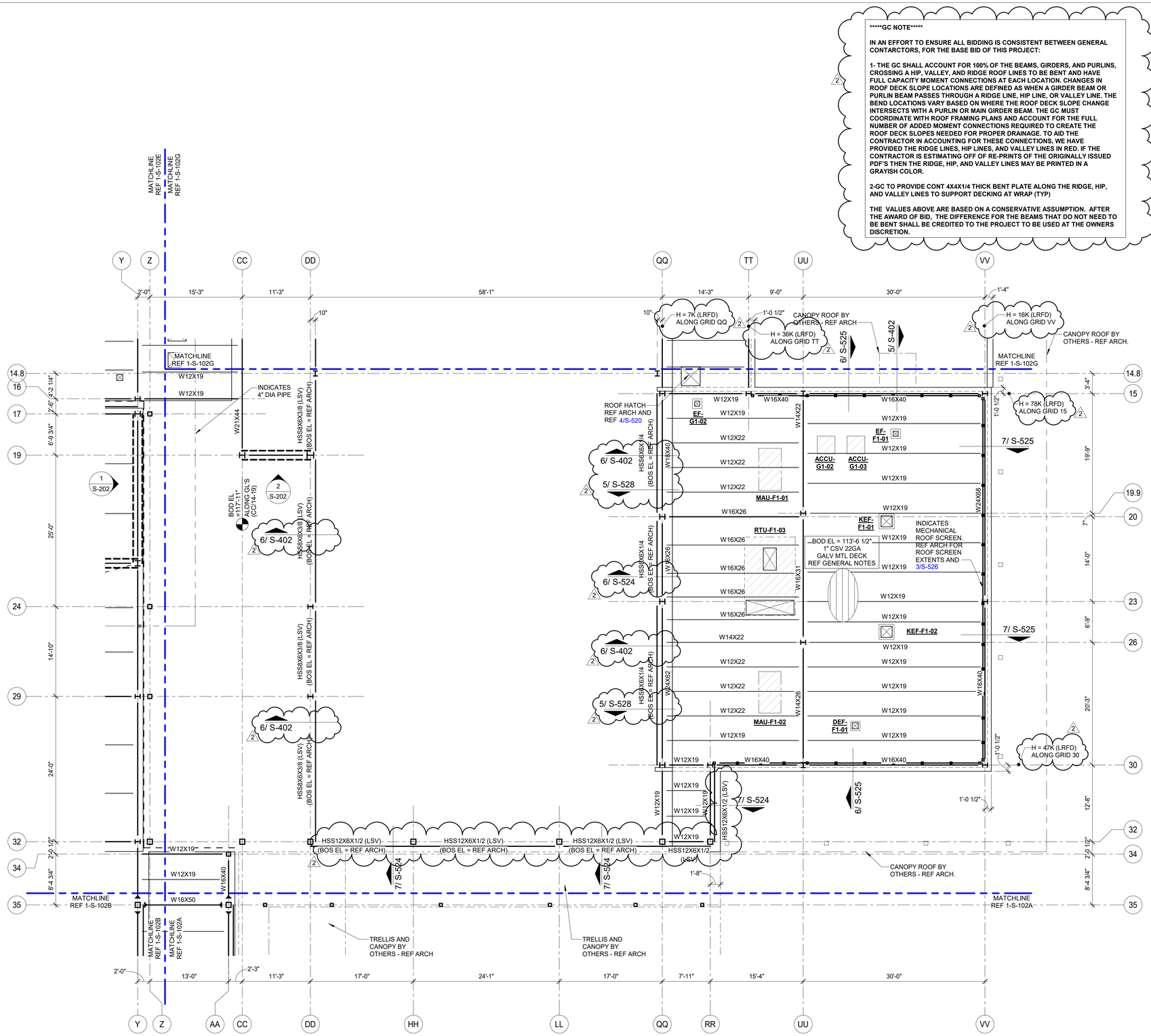

A
B
C
D
E
F
G
G.7
H
J
K
L
M
11'-5 3/4"
12'-6 1/4"
23'-9"
16'-5"
9'-7"
32'-6"
8'-6"
9'-0"
18
21
22
25
27
28
33
35
19'-8"
13'-6"
33'-5"
9'-6"
11'-1 3/4"
8'-6 1/4"
8'-10"
9'-10"
28'-3"
IN HATCHED AREA:
TOSC EL = VARIES
(TB EL = VARIES)
3" NW CONC SLAB REINF W/
6x6 W2.1xW2.1 WWF ON
4 1/2" ENVISTA FCA 18GA MTL DECK
REF GENERAL NOTES (TYP., U.N.O.)
(TOTAL SLAB THICKNESS = 7 1/2")
H = 52K (LRFD)
ALONG GRID G
DASHED LINE
INDICATES BARRIER
FREE LIFT - PROVIDE
MISC. STEEL PER
1/S-526
INDICATES WT
BUILT UP TOP
FLANGE
REF 2/S-511
W12X22 (32) C=1 1/4"
W16X36 (5)
W12X26 (32) C=1 1/2"
W24X68 (8)
(SLOPED)
REF NOTE
10 TYP
W16X26 (32) C=1"
W24X68 (5)
CANOPY ROOF
BY OTHERS
- REF ARCH
W18X40 (20)
HSS12X6X3/8 (LSV)
(TOS EL = REF ARCH)
W16X26 (32) C=1"
W12X19 (10)
W12X19 (14)
W18X35 (20)
W12X19 (26) C=1"
W24X68 (17)
W30X108 (19) (BENT)
W12X19 (5)
W12X19 (8)
W12X19 (26) C=1"
W12X22 (24) C=3/4"
W12X26 (24)
W12X22 (26) C=1"
W16X26 (32) C=1 1/4"
W12X19 (8)
W21X44 (34) C=3/4"
W24X76 (34) C=3/4"
W24X62 (52) C=3/4"
W24X62 (28)
W21X44 (28) C=3/4"
W24X55 (60) C=1"
W8X10
W12X22 (26) C=3/4"
W14X22 (26) C=3/4"
W16X31 (32) C=1"
W12X19
W12X22 (14)
W16X26 (6)
W24X55 (6)
W18X35 (6)
W12X19 (10)
W12X19 (8)
W21X48 (24)
W24X62 (24)
W18X50 (24)
W12X26 (6)
W12X19 (9)
W12X19 (12)
W12X19 (16)
W12X19 (17)
W12X19 (18)
W12X19 (20)
W12X19 (21)
W12X19 (22)
W12X19 (23)
W12X19 (24)
W12X19 (25)
W12X19 (27)
W12X19 (28)
W12X19 (29)
W12X19 (30)
W12X19 (31)
W12X19 (32)
W12X19 (33)
W12X19 (34)
W12X19 (35)
W12X19 (36)
W12X19 (37)
W12X19 (38)
W12X19 (39)
W12X19 (40)
W12X19 (41)
W12X19 (42)
W12X19 (43)
W12X19 (44)
W12X19 (45)
W12X19 (46)
W12X19

S-102E

LOW ROOF & 2ND LEVEL - FRAMING PLAN - AREA E

FOR BLUEBEAM LABELING/OCR:


*****GC NOTE*****
IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:
1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.
2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)
THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.
IN HATCHED AREA:
TOSC EL = VARIES
(TB EL = VARIES)
3" NW CONC SLAB REINF W/
6x6 W2.1xW2.1 WWF ON
4 1/2" ENVISTÀ FCA 18GA MTL DECK
REF GENERAL NOTES (TYP., U.N.O.)
(TOTAL SLAB THICKNESS = 7 1/2")
DECK IN HATCHED AREA IS STRUCTURALLY EXPOSED. ANGLE FRAMES FOR TYPICAL WINDOW OR WALL HEADERS PER 1/S-522 ALONG THE TRANSITION BETWEEN THE STRUCTURALLY EXPOSED EPIC DECK AND TYPICAL COMPOSITE DECK SHALL BE ARRANGED WITH THE KICKER ANGLE FACING THE TYPICAL COMPOSITE DECK (HIDDEN ABOVE THE CEILING).
MATCHLINE REF 1-S-102D
MATCHLINE REF 1-S-102C
MATCHLINE REF 1-S-102B
MATCHLINE REF 1-S-102A
MATCHLINE REF 1-S-102F
MATCHLINE REF 1-S-102G
BOD EL =114'-1 3/4" ALONG GL'S (18/J-W)
BOD EL =116'-7 1/2" ALONG GL'S (W/7-16)
BOD EL =116'-7 1/2" ALONG GL'S (7/W-CC)
H = 107K (LRFD) ALONG GRID P
H = 18K (LRFD) ALONG GRID 7
H = 14K (LRFD) ALONG GRID W
H = 17K (LRFD) ALONG GRID CC
H = 38K (LRFD) ALONG GRID 14
H = 48K (LRFD) ALONG GRID 22
H = 42 K (LRFD) ALONG GRID Y
REF NOTE 10 TYP
REF. ROOF NOTE 14
REF. FLOOR NOTE 12 - TYP
REF. COMPOSITE FLOOR NOTE 12
REF. COMPOSITE FLOOR NOTE 10, TYP.
1" CSV 22GA GALV MTL DECK REF GENERAL NOTES
WT 5X15 DRAG STRUT REF NOTE 19
6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR FROM TOSC OVER EVERY GIRDER (TYP)
INDICATES 3" DIA PIPE
INDICATES TRENCH DRAIN WITHIN COMPOSITE SLAB. GC SHALL COORDINATE WITH CUT SHEET OF ACTUAL TRENCH DRAIN CHOSEN.
SHEAR STUDS SHALL BE PLACED TO AVOID TRENCH DRAIN. GC COORDINATE LOCATION OF TRENCH DRAIN WITH ARCH DRAWINGS
50# ADD'L DEAD LOAD
1" EJ
ACCU-F1-01
ACCU-G1-01
HRU-E1-02
OA-RTU E1-02
RTU-F1-01
EF-E1-01
TOSC EL = 115'-0" (TB EL = 114'-4 1/2") 4 1/2" NW CONC SLAB REINF W/ 6x6 W2.9xW2.9 WWF ON 3.0 VLI 20GA COMPOSITE MTL DECK REF GENERAL NOTES (TYP., U.N.O.) (TOTAL SLAB THICKNESS = 7 1/2")
6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY GIRDER - TYP
TOS EL = 117'- 7 7/8"
TOS EL =117'-10" ALONG GL'S (CC/17-19)
INDICATES 3" DIA PIPE
LADDER REF ARCH AND REF SHEET S-600
HSS10X6X3/8 (LSV) (BOS EL = REF ARCH)
W16X26 (32) C=3/4"
W16X31 (32) C=1"
W24X76 (22) (SLOPED)
W18X50 (32)
W14X30 (32) C=1 1/4"
W18X35 (32) C=1"
W14X22 (32) C=1 1/4"
W21X48 (32)
W27X84 (22)
W27X94 (22)
W27X84 (34)
W24X62 (34) C=1"
W24X62 (34) C=3/4"
W21X48 (34) C=1"
W14X61 (32)
W18X40 (22)
W18X40 (32)
W16X31 (16)
W16X36 (16)
W16X36 (5)
W24X68 (16)
W24X68 (5)
W12X26 (7)
W12X26 (11)
W30X108 (19) (BENT)
W30X108 (21)
W30X108 (15)
W18X35 (15)
W12X19 (5)
W12X19 (8)
W12X22 (14)
W12X22 (16)
W12X19 (20)
W12X19 (24) C=3/4"
W12X19 (6)
W12X19 (2)
W12X26 (12)
W14X22 (12)
W14X30 (14)
W14X22 (14)
W16X40
W16X50
W12X19
W12X22
W18X40
W16X31
W16X26
W16X35 (24)
W16X40 (22)
W16X61
W12X22
W12X19
W18X50
W16X26
W16X35
W16X40
W18X35
W12X19
W12X22
W18X40
W16X31



1 LOW ROOF FRAMING PLAN - AREA F
1/8" = 1'-0"

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0"
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #6 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP.) NOT ALL SHOWN ON PLAN FOR CLARITY.
11. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
12. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 1/S-512 TYP. ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
13. REF DETAIL 7/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
14. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
16. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
17. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
18. ▨ ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15, COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. ——— — — ——— INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

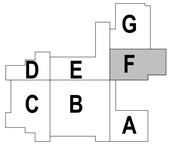
Kubala ENGINEERS
Ph. 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

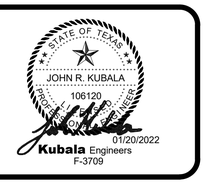
PBK
ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL DIG ENGINEERS T 713 940 3238
STRUCTURAL KUBALA ENGINEERS T 800 248 3674
MEPT LEAF ENGINEERS T 713 940 3300
FOOD SERVICES FOODSERVICE DESIGN PROFESSIONALS T 281 350 2323
BUILDING ENVELOPE BEAM T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

LOW ROOF - FRAMING PLAN - AREA F

S-102F

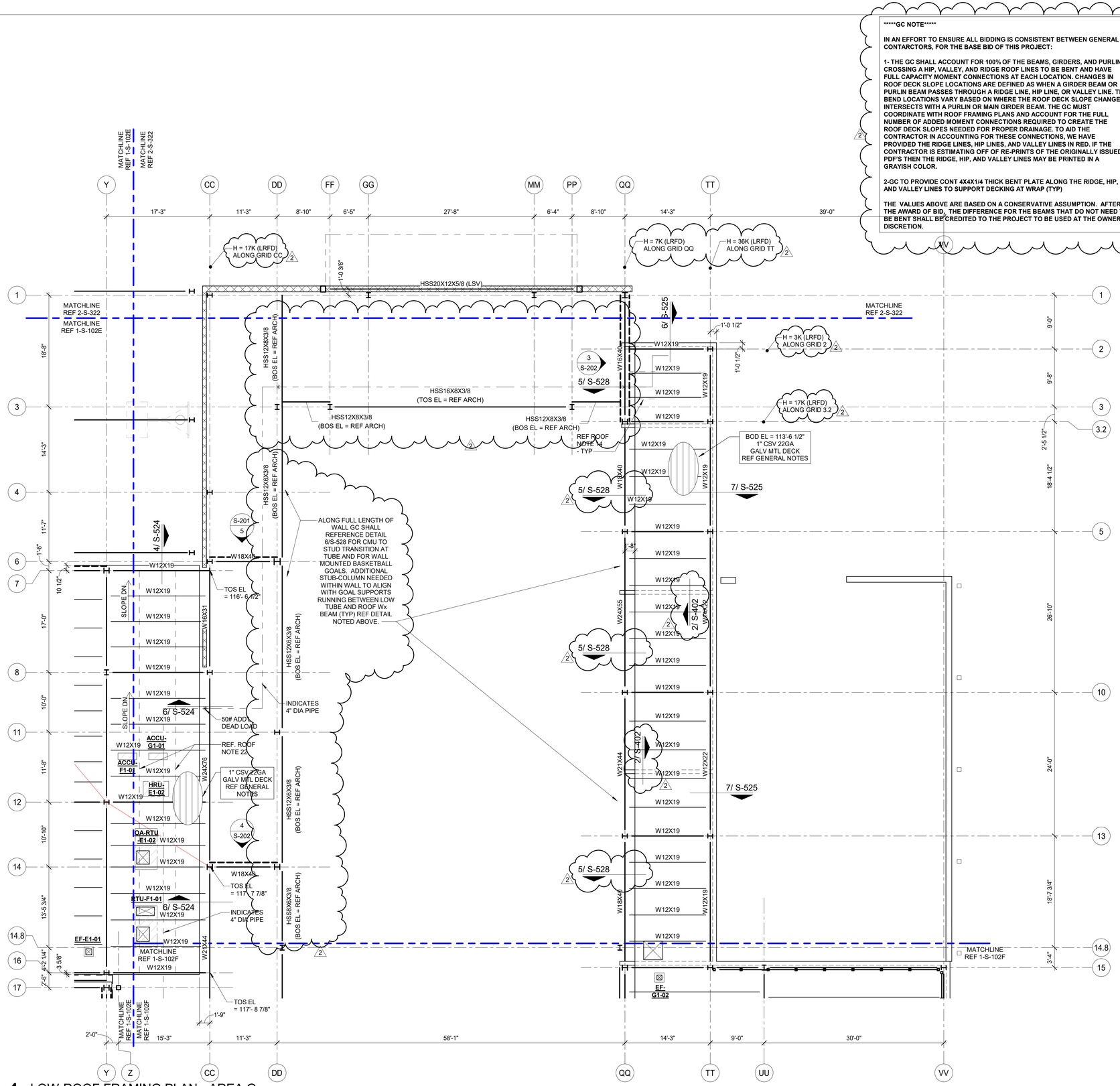
File Path: C:\Users\sscarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 1/20/2022 1:48:00 PM

0"
1"

LOW ROOF - FRAMING PLAN - AREA G

S-102G

FOR BLUEBEAM LABELING/OCR:



1 LOW ROOF FRAMING PLAN - AREA G
1/8" = 1'-0"

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0"
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #6 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP.) NOT ALL SHOWN ON PLAN FOR CLARITY.
11. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
12. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 1/S-512 TYP. ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
13. REF DETAIL 7/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
14. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
16. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
17. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
18. ▨ ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15, COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. ——— — ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK
ARCHITECT PBK Architects, Inc. PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

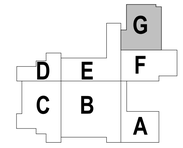
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

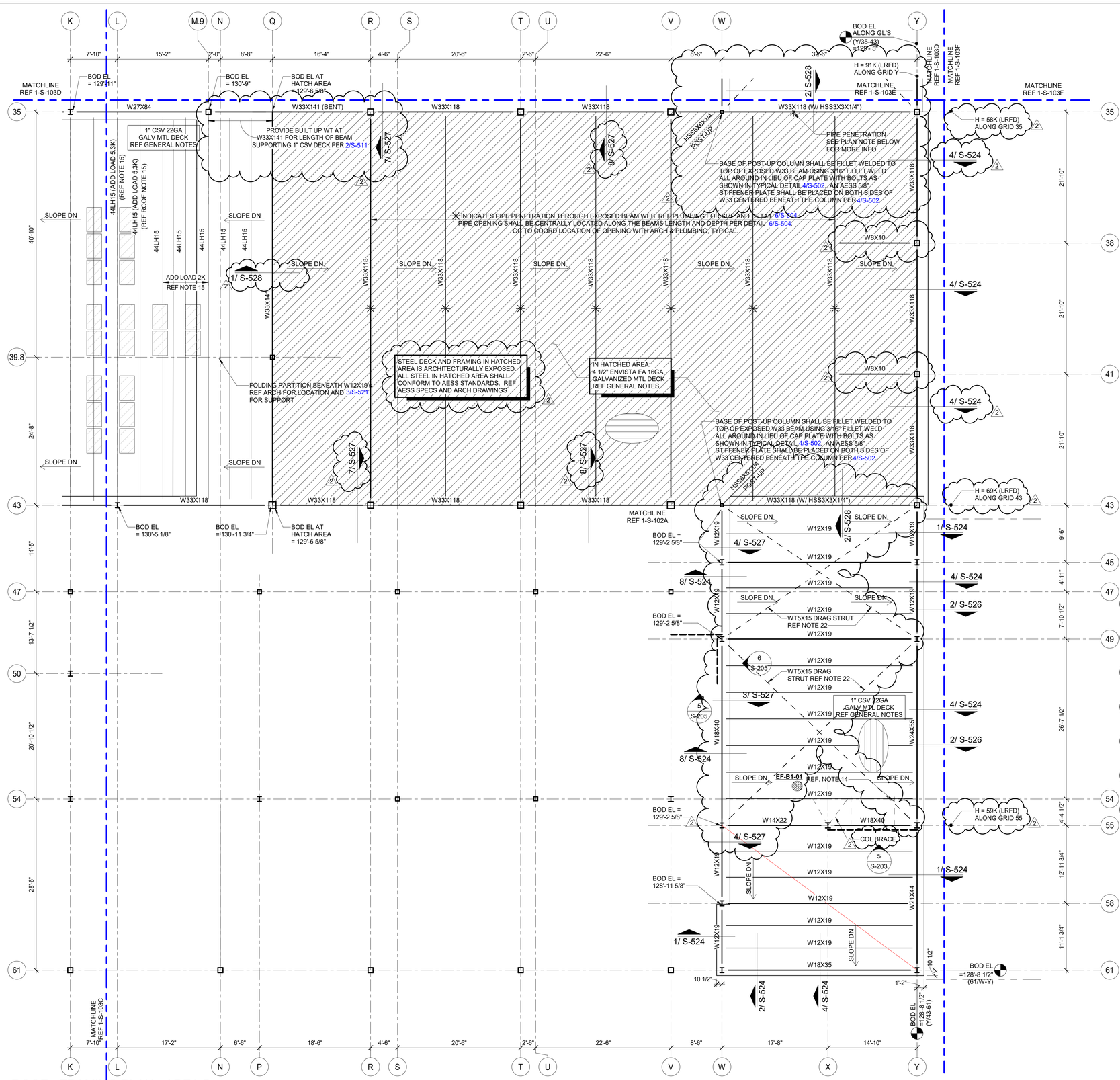
BUILDING NUMBER

LOW ROOF - FRAMING PLAN - AREA G

S-102G

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:02 PM



1 ROOF - FRAMING PLAN - AREA B
1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

PBK
ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238

STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674

MEP/T
LEAF ENGINEERS
T 713.940.3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323

BUILDING ENVELOPE
BEAM
T 713.940.3201

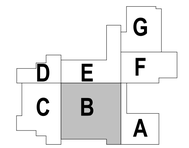
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

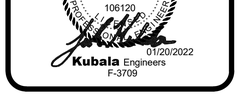
ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN



NORTH: PLAN TRUE



Kubala Engineers F-3709 01/20/2022

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

ROOF - FRAMING PLAN - AREA B

S-103B

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

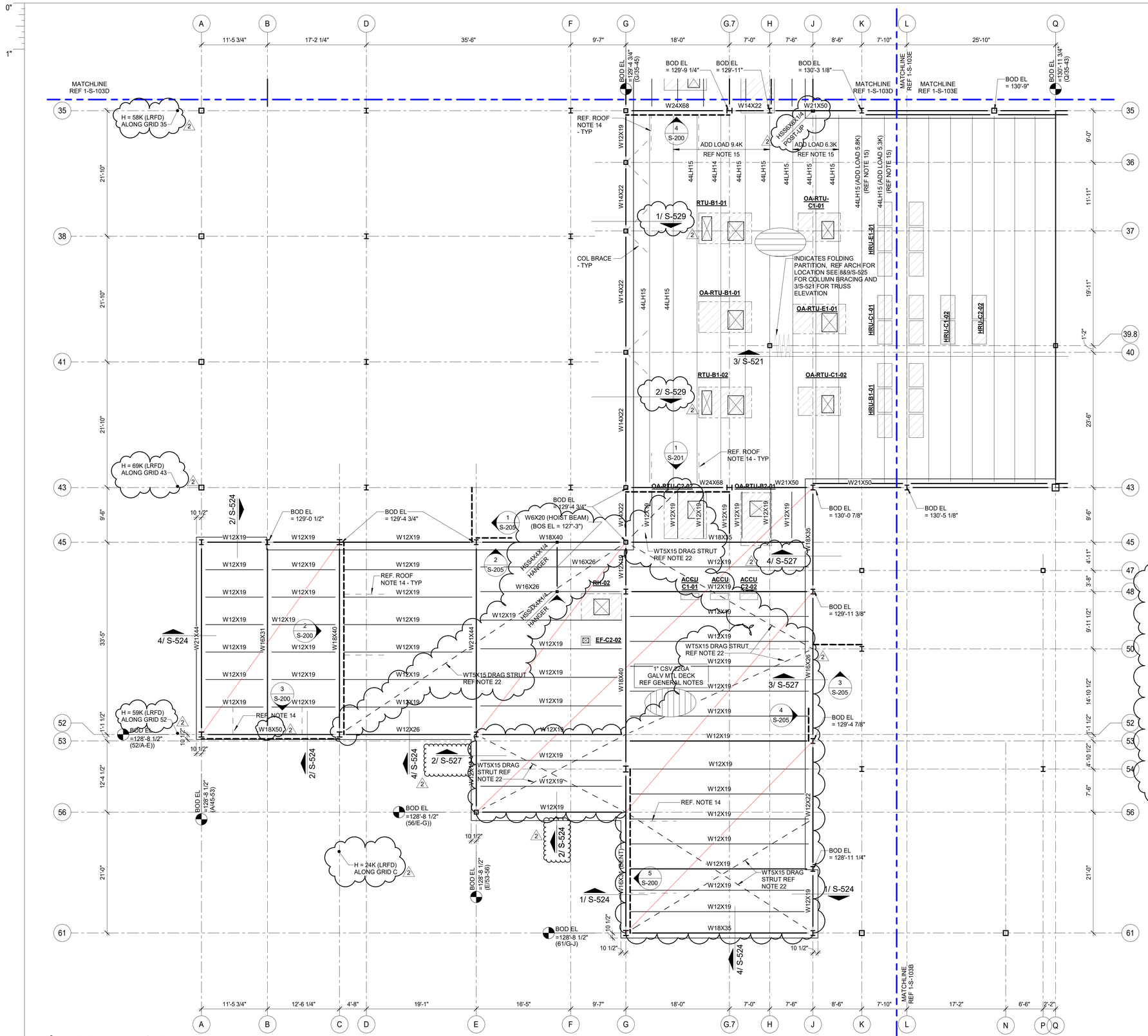
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 1/20/2022 1:48:04 PM

S-103C

ROOF -FRAMING PLAN - AREA C

FOR BLUEBEAM LABELING/OCR:



1 ROOF - FRAMING PLAN - AREA C

1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE: BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

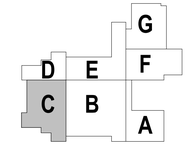
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

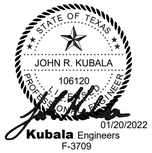
1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

ROOF -FRAMING PLAN - AREA C

S-103C

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

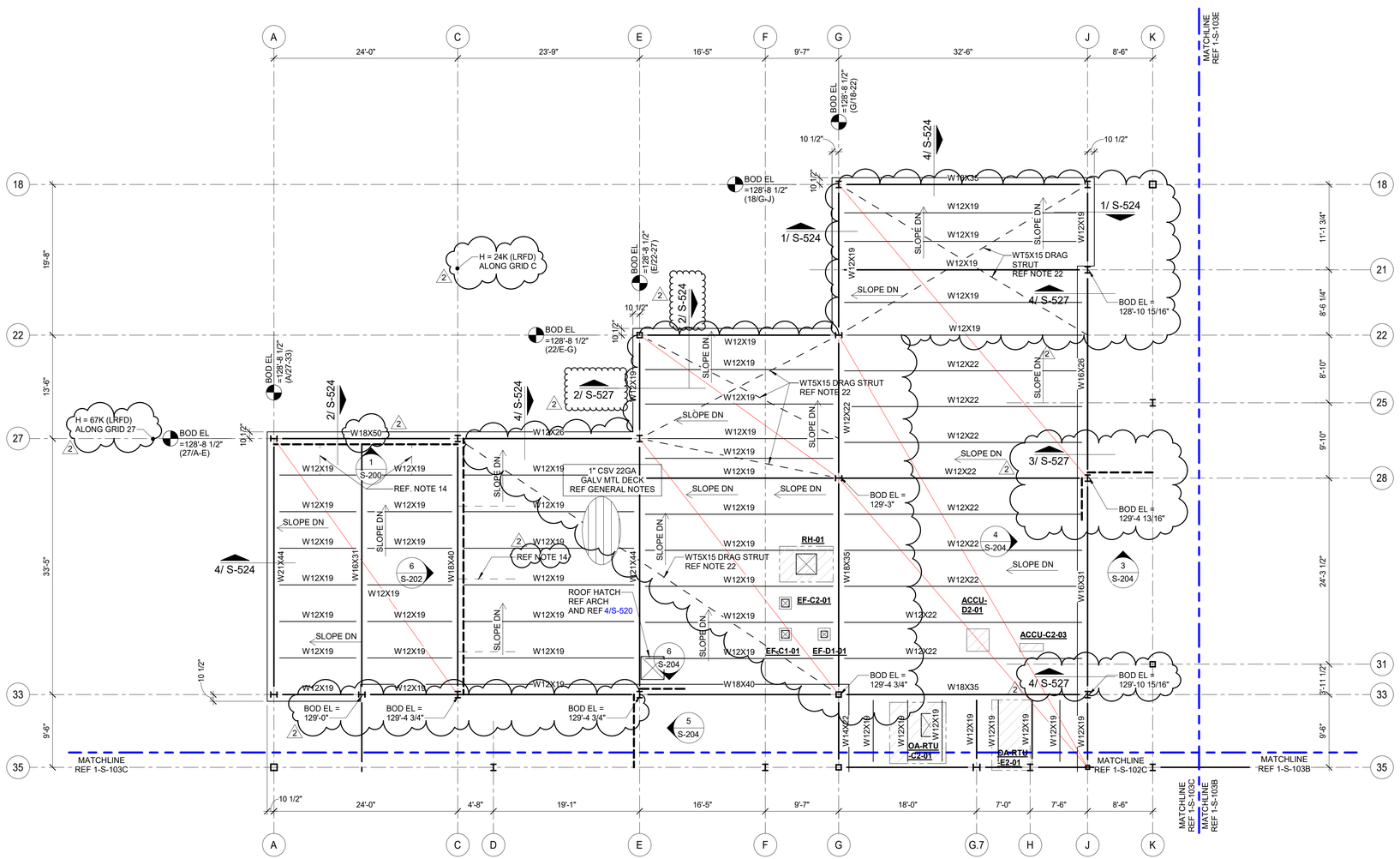
CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 1/20/2022 1:48:06 PM

0"
1"

ROOF - FRAMING PLAN - AREA D

S-103D

FOR BLUEBEAM LABELING/OCR:



1 ROOF - FRAMING PLAN - AREA D

1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

2

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238

STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674

MEPT
LEAF ENGINEERS
T 713.940.3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323

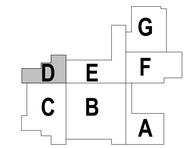
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

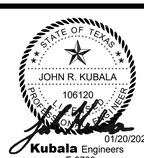
1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN



NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

ROOF - FRAMING PLAN - AREA D

S-103D

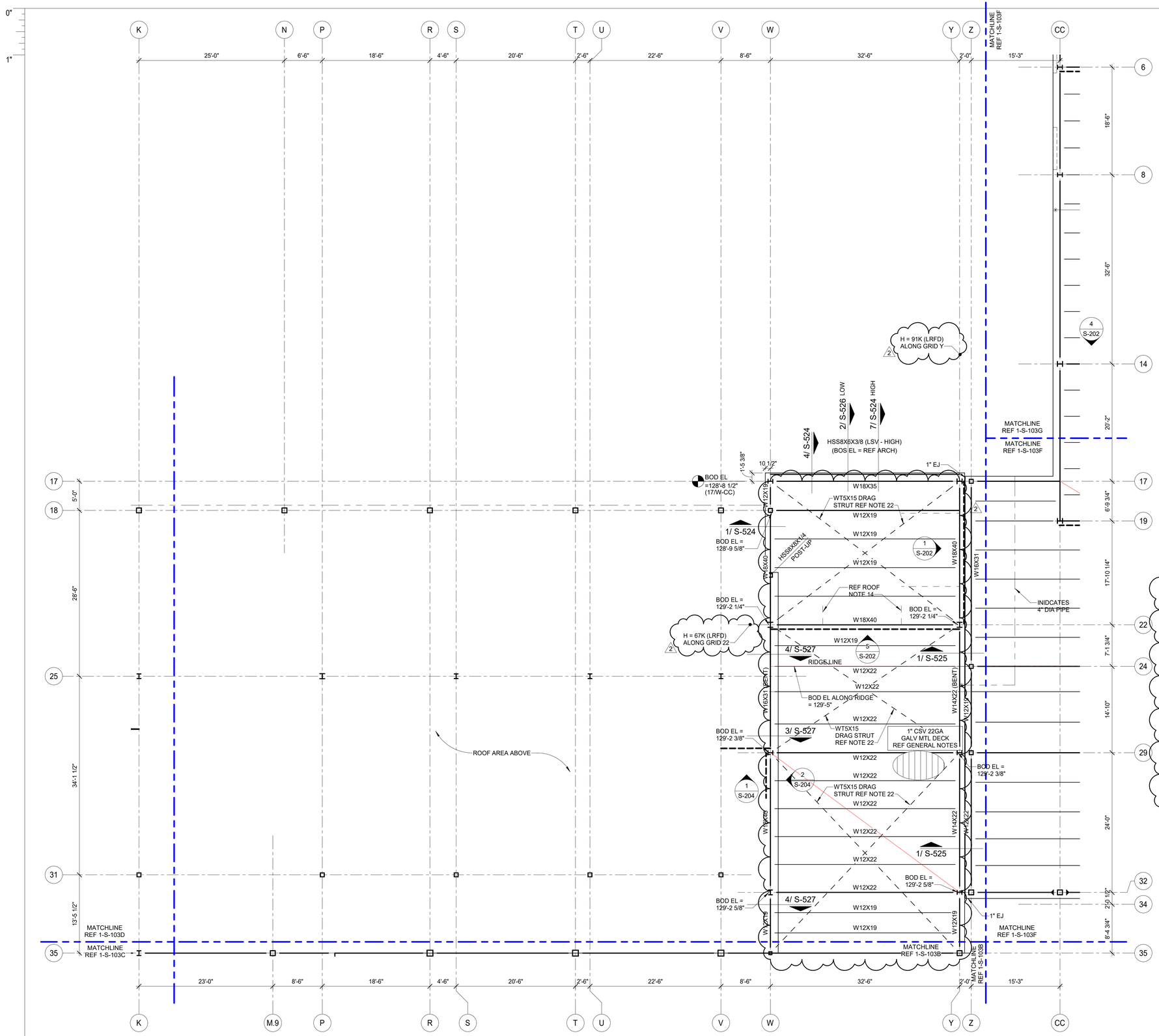
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:09 PM

ROOF - FRAMING PLAN - AREA E

S-103E

FOR BLUEBEAM LABELING/OCR:



1 ROOF - FRAMING PLAN - AREA E

1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE: BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

2

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

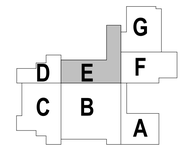
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

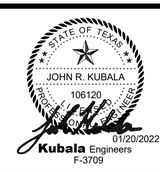
ISSUE FOR CSP





KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

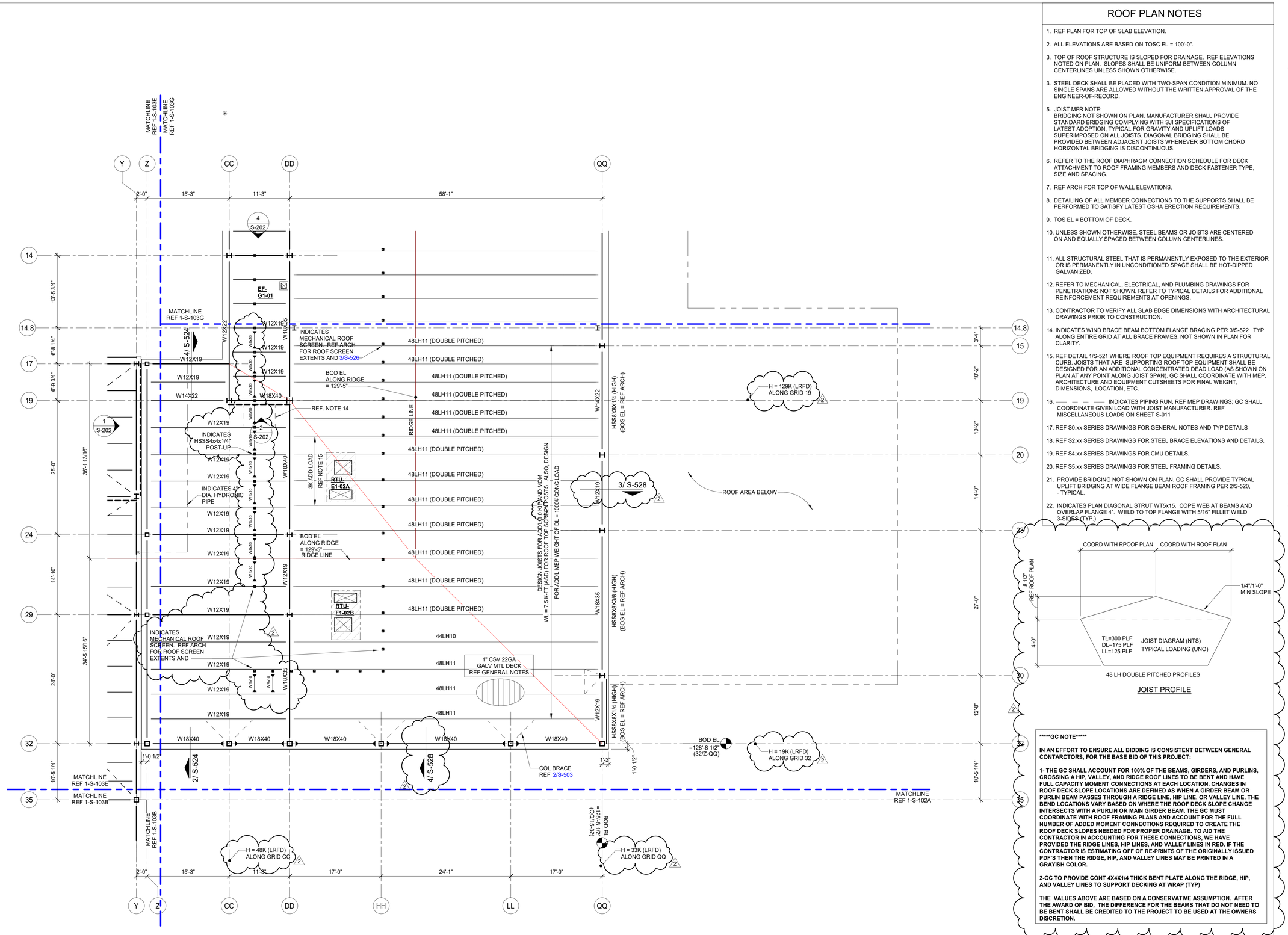
BUILDING NUMBER

ROOF - FRAMING PLAN - AREA E

S-103E

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:10 PM



1 ROOF - FRAMING PLAN - AREA F
1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE: BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

JOIST PROFILE

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

ROOF - FRAMING PLAN - AREA F

S-103F

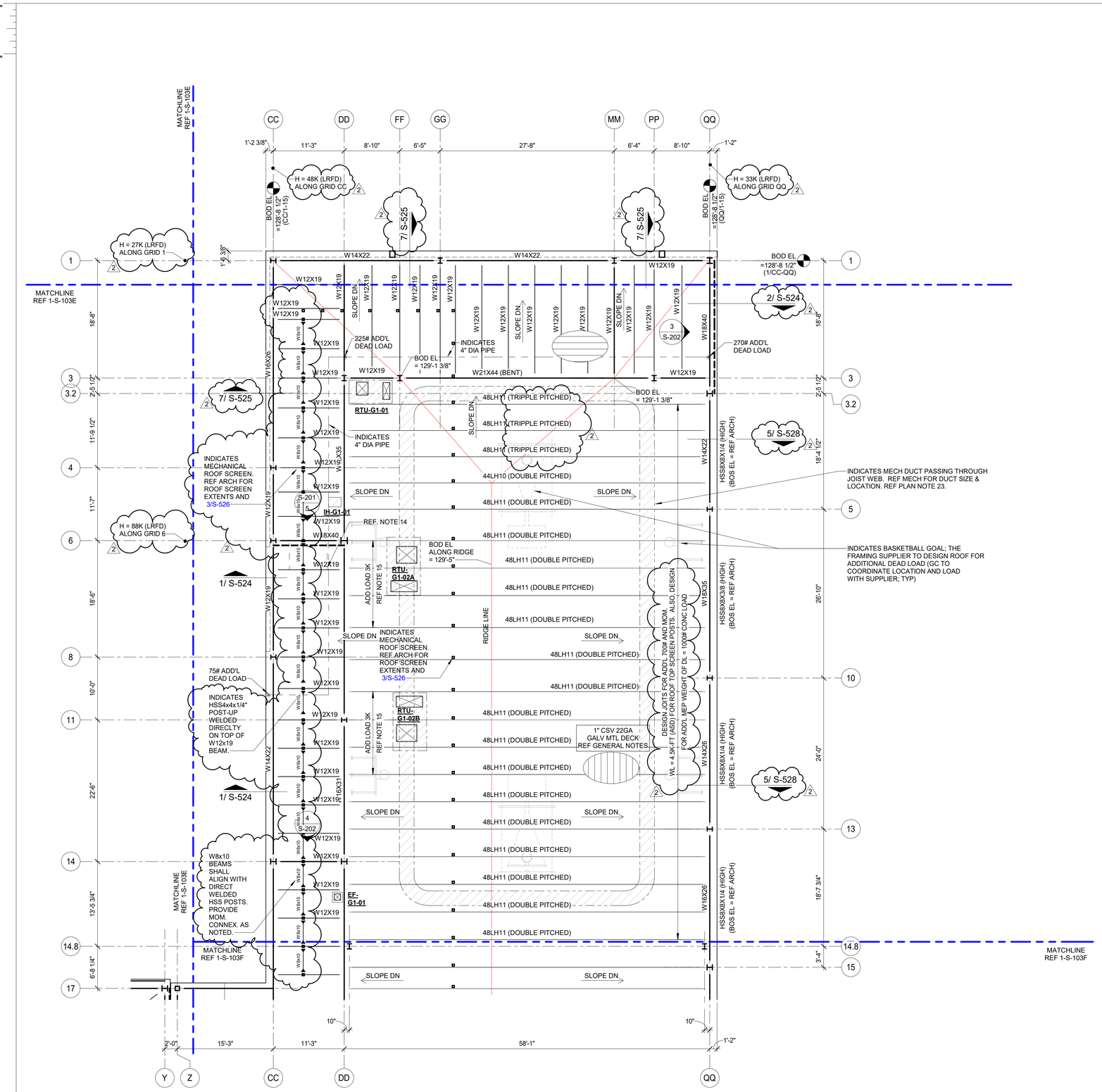
S-103F

FOR BLUEBEAM LABELING/OCR:

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:12 PM

0"
1"

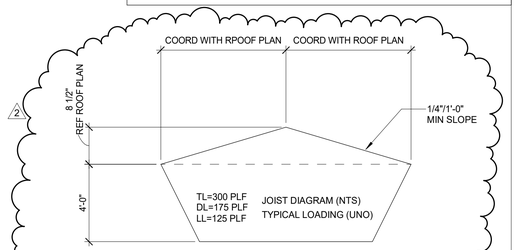


1 ROOF - FRAMING PLAN - AREA G

1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE: BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. —— — — —— INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4" WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES, TYP - REF 6/S-526
22. PROVIDE BRIDGING NOTE SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
23. GC NOTE: JOIST MANUF. TO DESIGN CONSISTENT OPENING IN JOIST WEBS TO ALLOW FOR DUCTS AS SPECIFIED ON PLAN AND MECHANICAL DRAWINGS. MECH DUCT TO PASS THROUGH JOISTS' WEBS UNOBSTRUCTED BETWEEN TOP AND BOTTOM CHORDS. ASSUME 28" DIAMETER DUCT AS INDICATED ON PLAN WITH AN ADDITIONAL 4" OF INSULATION AROUND THE PERIMETER, TYPICAL. HATCHED REGION SHOWN ON PLANS SHOWS LOCATIONS AND RUN. REF MEP FOR LOCATION.



48 LH DOUBLE PITCHED PROFILES

JOIST PROFILE

*******GC NOTE*******

IN AN EFFORT TO ENSURE ALL BIDDING IS CONSISTENT BETWEEN GENERAL CONTARCTORS, FOR THE BASE BID OF THIS PROJECT:

1- THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE. TO AID THE CONTRACTOR IN ACCOUNTING FOR THESE CONNECTIONS, WE HAVE PROVIDED THE RIDGE LINES, HIP LINES, AND VALLEY LINES IN RED. IF THE CONTRACTOR IS ESTIMATING OFF OF RE-PRINTS OF THE ORIGINALLY ISSUED PDF'S THEN THE RIDGE, HIP, AND VALLEY LINES MAY BE PRINTED IN A GRAYISH COLOR.

2-GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP)

THE VALUES ABOVE ARE BASED ON A CONSERVATIVE ASSUMPTION. AFTER THE AWARD OF BID, THE DIFFERENCE FOR THE BEAMS THAT DO NOT NEED TO BE BENT SHALL BE CREDITED TO THE PROJECT TO BE USED AT THE OWNERS DISCRETION.

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

ROOF - FRAMING PLAN - AREA G

S-103G

ROOF - FRAMING PLAN - AREA G

S-103G

FOR BLUEBEAM LABELING/OCR:

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

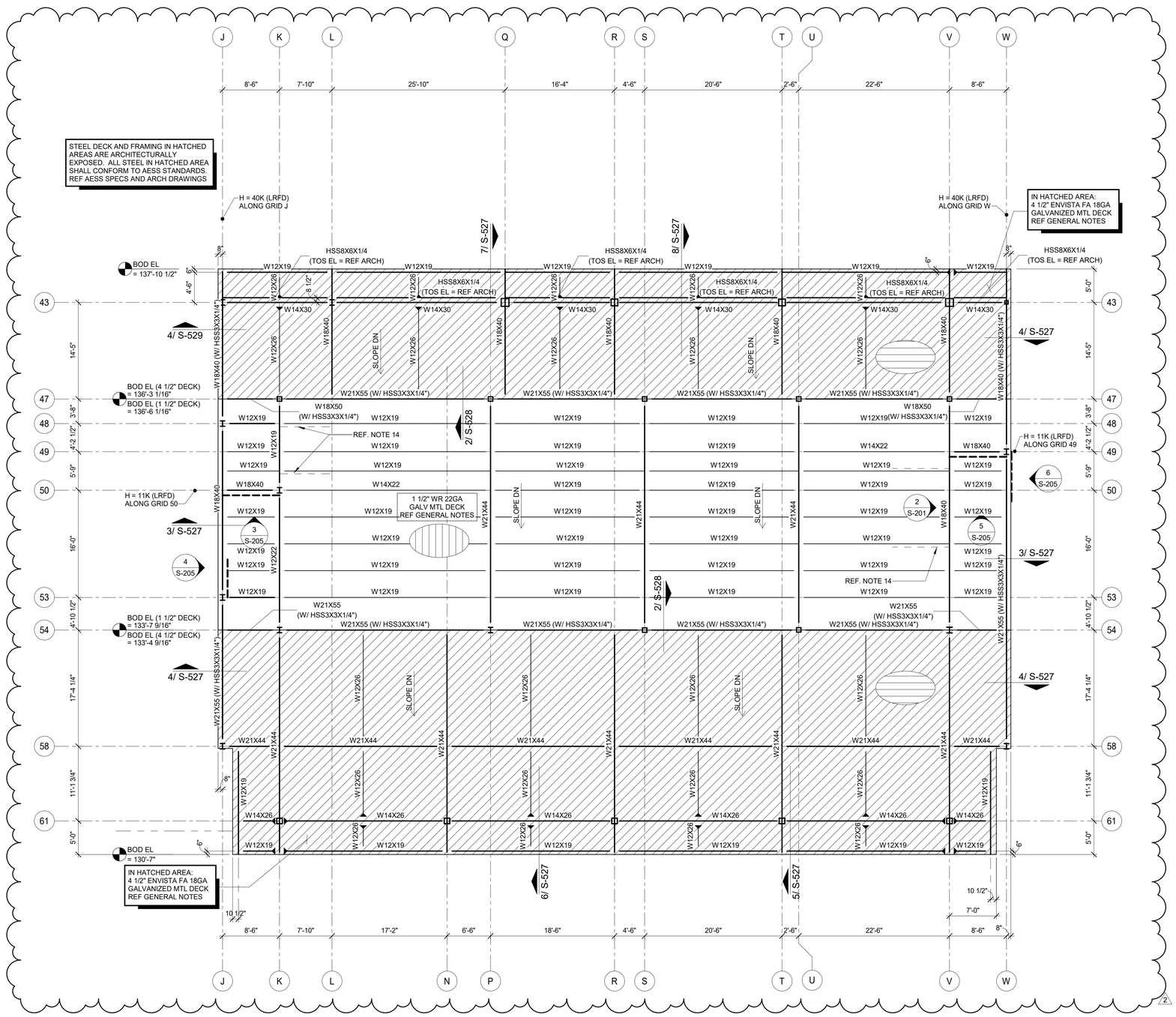
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:15 PM

0"
1"

HIGH ROOF FRAMING PLAN - AREA B & C

S-104BC

FOR BLUEBEAM LABELING/OCR:



ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE: BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

1 HIGH ROOF FRAMING PLAN - AREA B & C
1/8" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608

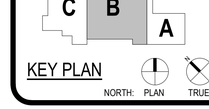
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

HIGH ROOF FRAMING PLAN - AREA B & C

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-104BC

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

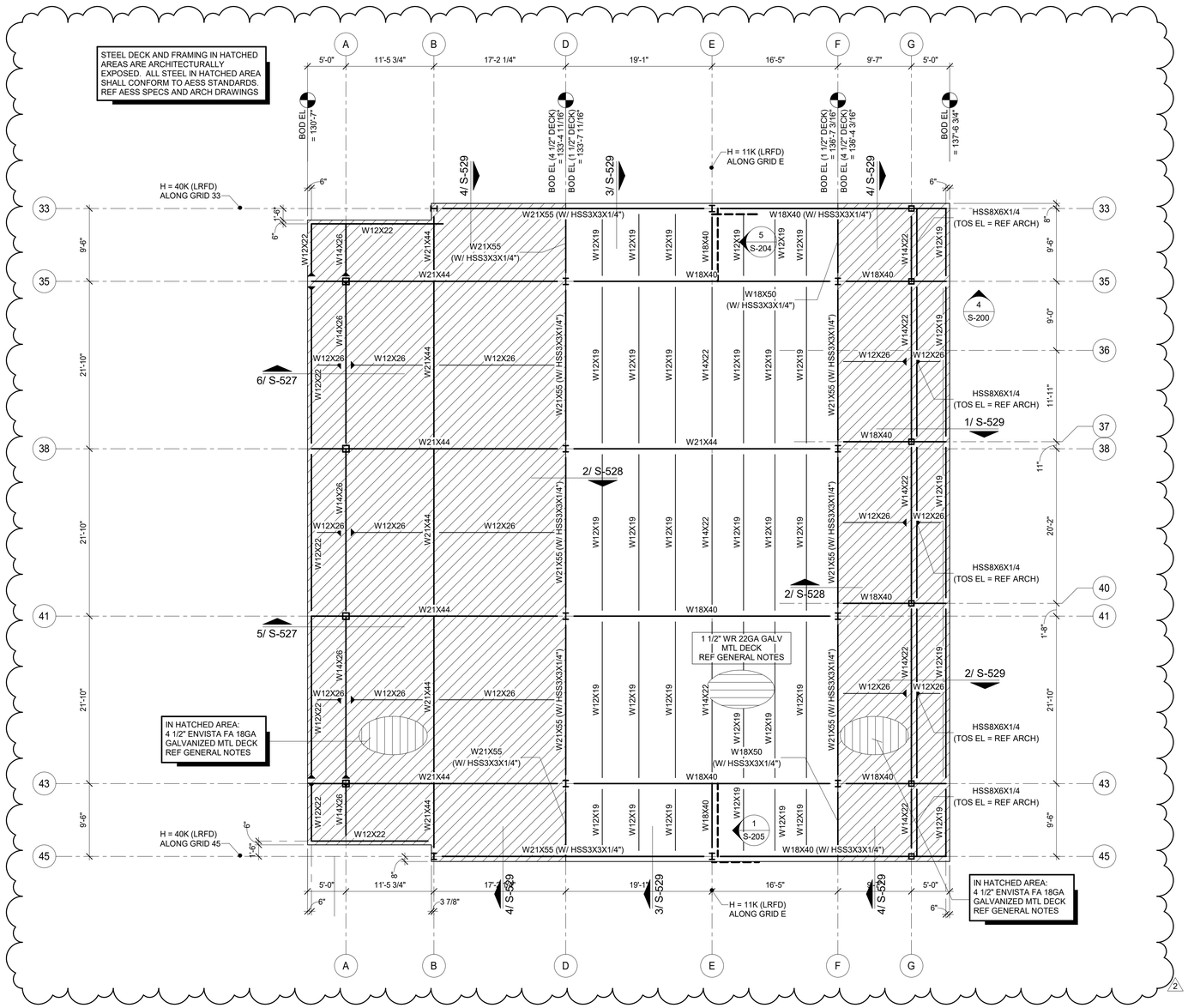
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:17 PM

0"
1"

HIGH ROOF FRAMING PLAN - AREA C & D

S-104CD

FOR BLUEBEAM LABELING/OCR:



1 HIGH ROOF FRAMING PLAN - AREAS C & D
1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

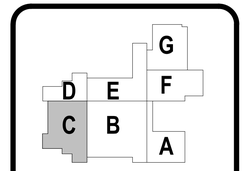
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

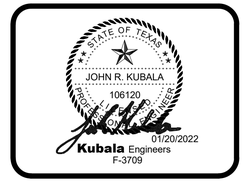
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP







CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

HIGH ROOF FRAMING PLAN - AREA C & D

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-104CD

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

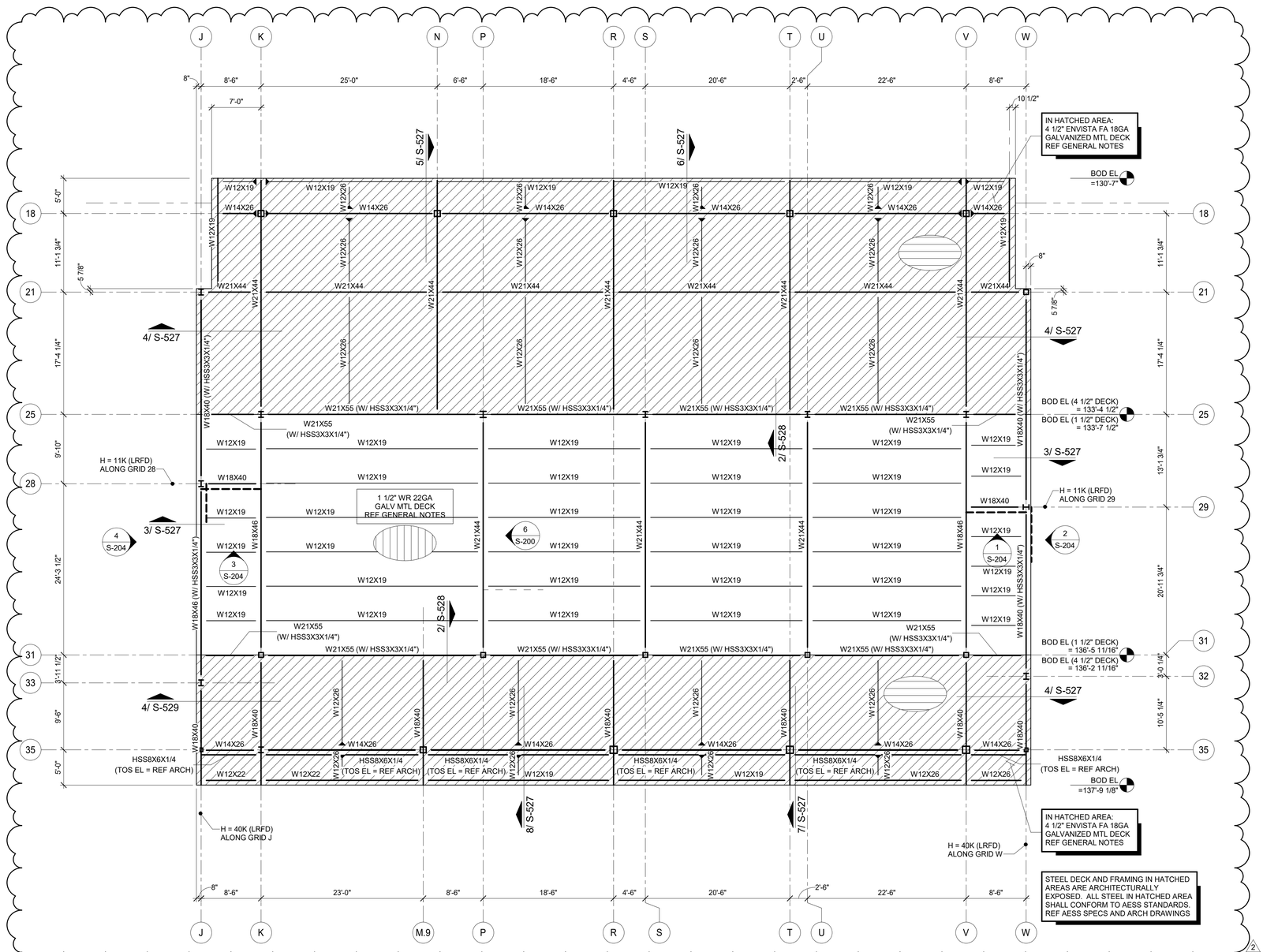
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:20 PM

0"
1"

HIGH ROOF FRAMING PLAN - AREA DE

S-104DE

FOR BLUEBEAM LABELING/OCR:



1 HIGH ROOF FRAMING PLAN - AREA DE
1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 100'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
3. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
5. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS DISCONTINUOUS.
6. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
7. REF ARCH FOR TOP OF WALL ELEVATIONS.
8. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
9. TOS EL = BOTTOM OF DECK.
10. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
11. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
12. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
13. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
14. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 3/S-522 TYP ALONG ENTIRE GRID AT ALL BRACE FRAMES. NOT SHOWN IN PLAN FOR CLARITY.
15. REF DETAIL 1/S-521 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
16. — — — — INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF MISCELLANEOUS LOADS ON SHEET S-011
17. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
18. REF S2.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
19. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.
20. REF S5.xx SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
21. PROVIDE BRIDGING NOT SHOWN ON PLAN. GC SHALL PROVIDE TYPICAL UPLIFT BRIDGING AT WIDE FLANGE BEAM ROOF FRAMING PER 2/S-520, - TYPICAL.
22. INDICATES PLAN DIAGONAL STRUT WT5x15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE WITH 5/16" FILLET WELD 3-SIDES (TYP.)

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

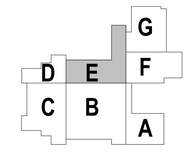
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

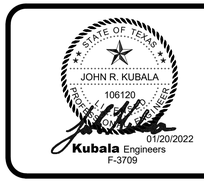
ISSUE FOR CSP





KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

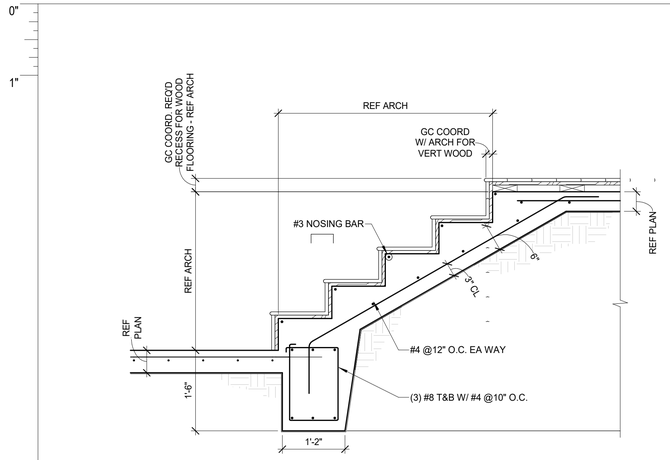
HIGH ROOF FRAMING PLAN - AREA DE

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

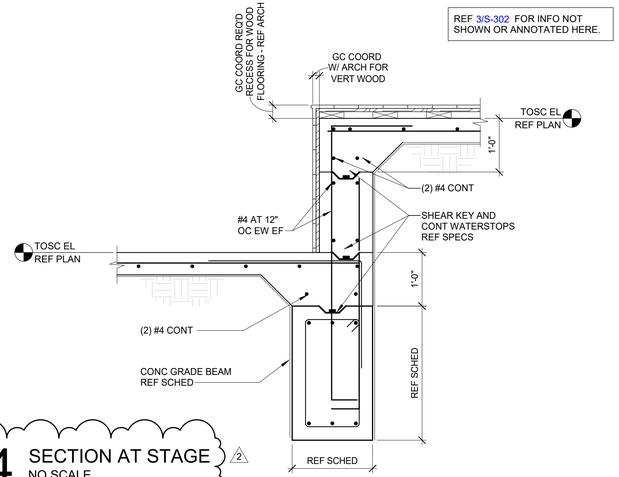
S-104DE

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

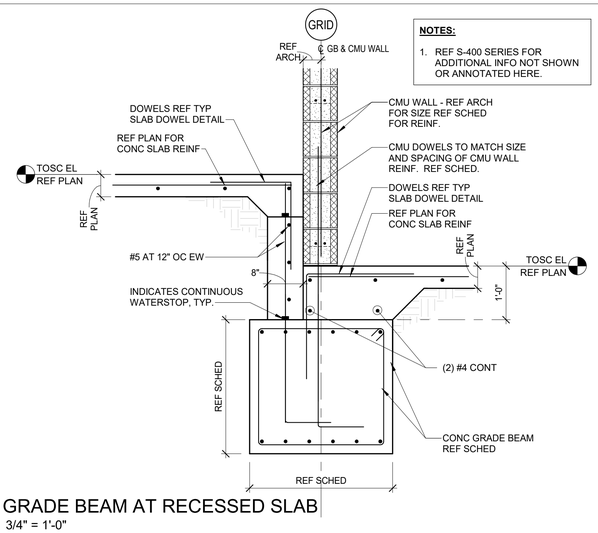
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:22 PM



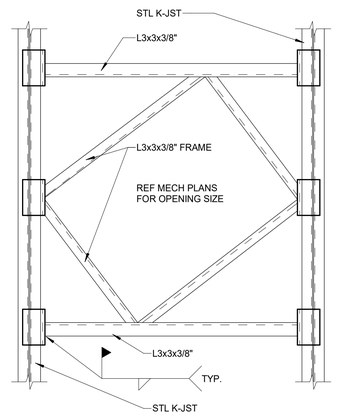
1 MONOLITHIC STAIR DETAIL AT STAGE
NO SCALE



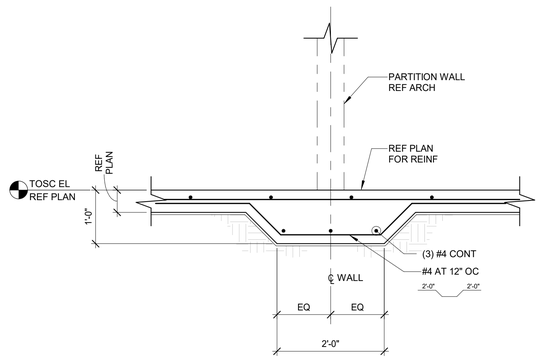
4 SECTION AT STAGE
NO SCALE



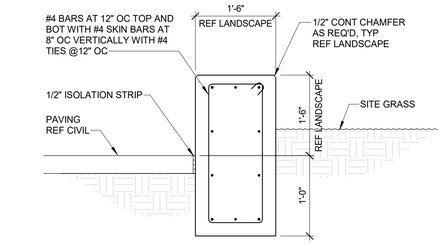
7 GRADE BEAM AT RECESSED SLAB
3/4" = 1'-0"



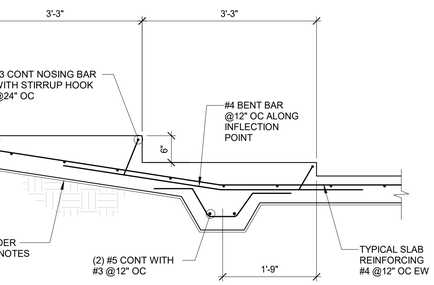
2 SKEWED ROOF OPENING FOR SMALL EQUIPMENT
NO SCALE



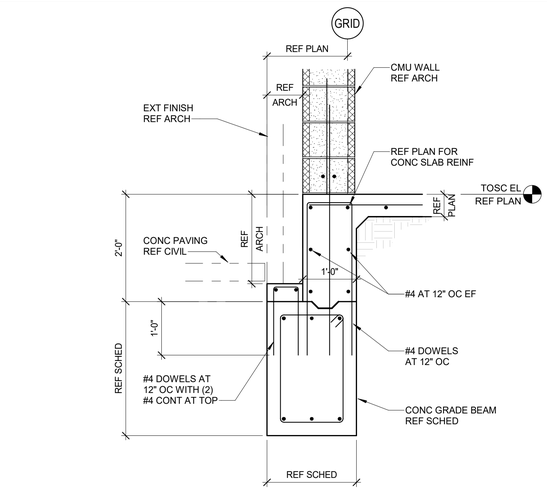
5 SECTION AT PARTITION WALL
NO SCALE



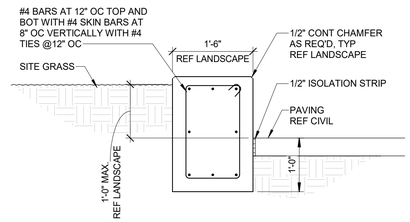
8 SECTION AT LANDSCAPING SEAT WALL
NO SCALE



3 STEPPED SLAB IN AUDITORIUM
NO SCALE



6 EXTERIOR AT GRADE BEAM
3/4" = 1'-0"



9 SECTION AT LANDSCAPING SEAT WALL
NO SCALE

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

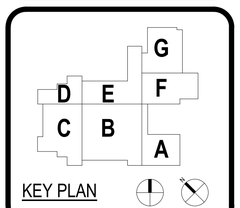
PBK
ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

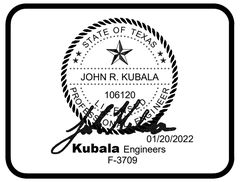
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

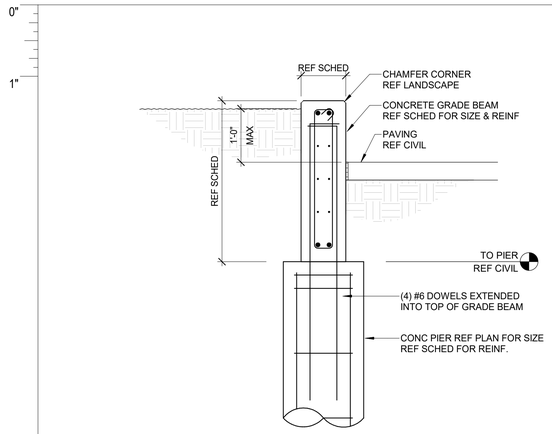
BUILDING NUMBER

FOUNDATION DETAILS AND SECTIONS

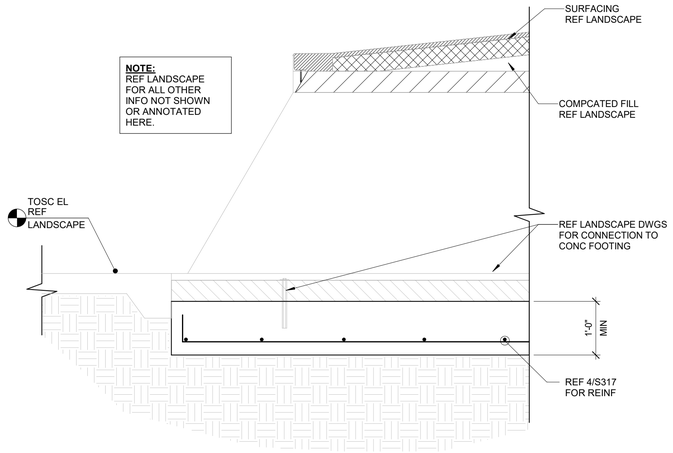
S-316

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

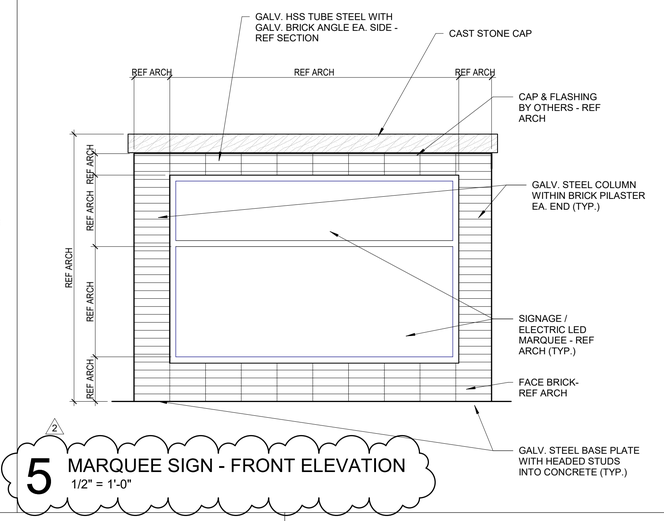
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:31 PM



1 SECTION AT LANDSCAPING RETAINING WALL
NO SCALE



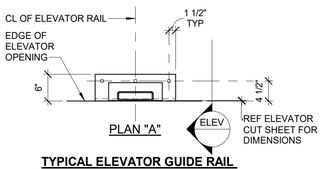
4 SECTION AT GRFC TUNNEL
3/4" = 1'-0"



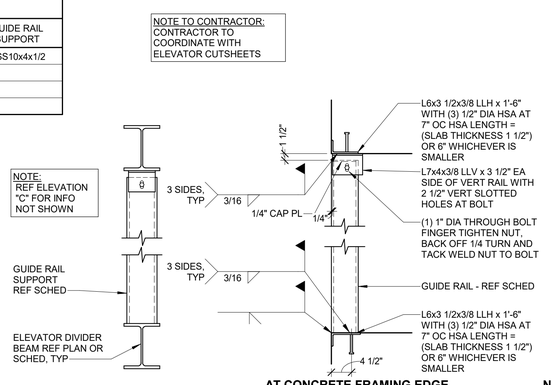
5 MARQUEE SIGN - FRONT ELEVATION
1/2" = 1'-0"

ELEVATOR BEAM / GUIDE RAIL SUPPORT SCHEDULE

ELEVATORS	FLOORS	DIVIDER BEAM	GUIDE RAIL SUPPORT
TYP	1 - ROOF	HSS8x4x1/4	HSS10x4x1/2

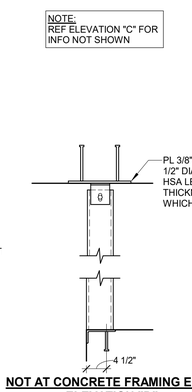


TYPICAL ELEVATOR GUIDE RAIL CONNECTION TO CONCRETE

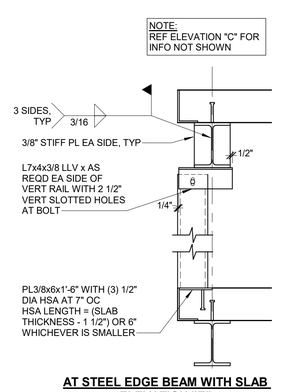


ON DIVIDER BEAM ELEVATION "B"

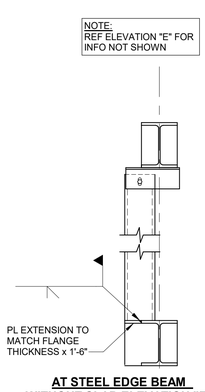
AT CONCRETE FRAMING EDGE ELEVATION "C"



NOT AT CONCRETE FRAMING EDGE ELEVATION "D"

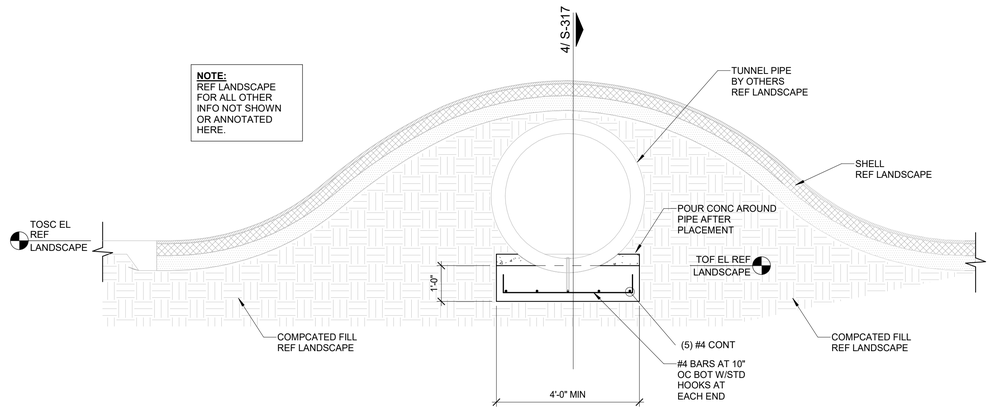


AT STEEL EDGE BEAM WITH SLAB ELEVATION "E"

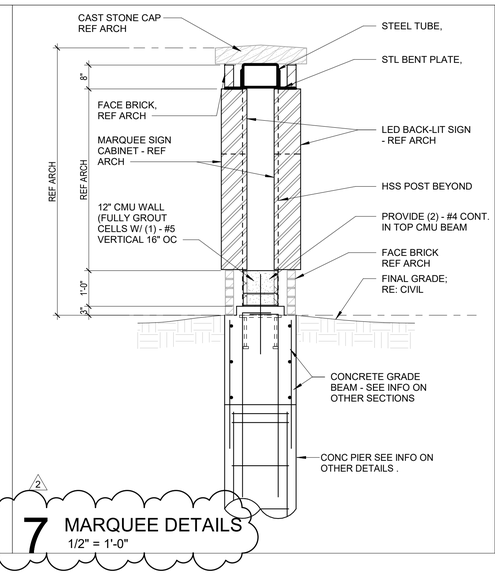


AT STEEL EDGE BEAM WITHOUT SLAB ELEVATION "F"

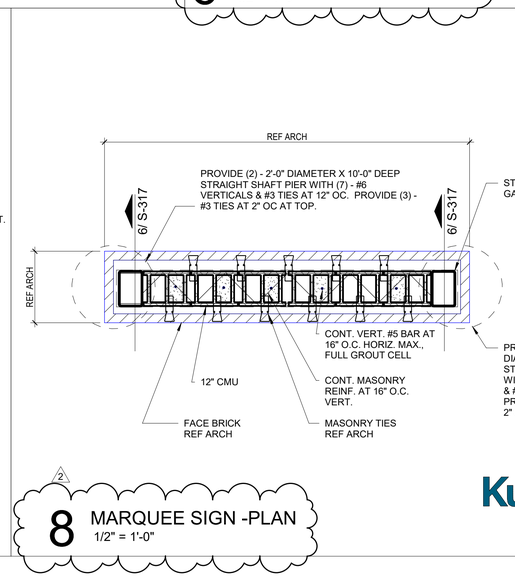
2 TYPICAL ELEVATOR GUIDERAIL SUPPORT DETAILS
3/4" = 1'-0"



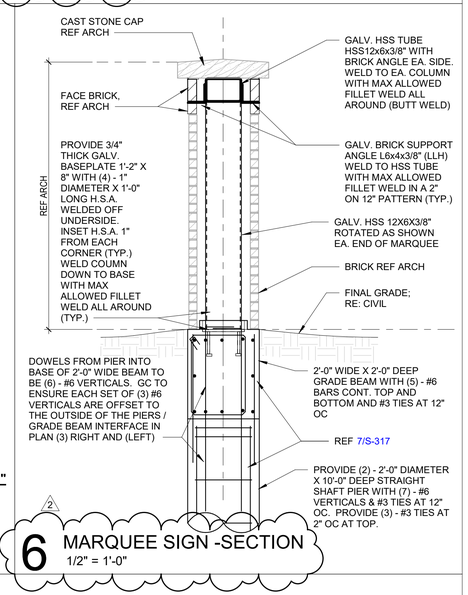
3 SECTION AT GRFC TUNNEL
1/2" = 1'-0"



7 MARQUEE DETAILS
1/2" = 1'-0"



8 MARQUEE SIGN -PLAN
1/2" = 1'-0"



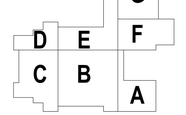
6 MARQUEE SIGN -SECTION
1/2" = 1'-0"

PBK
ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





CLIENT
FRIENDSWOOD ISD

DATE
DECEMBER 17, 2021

PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

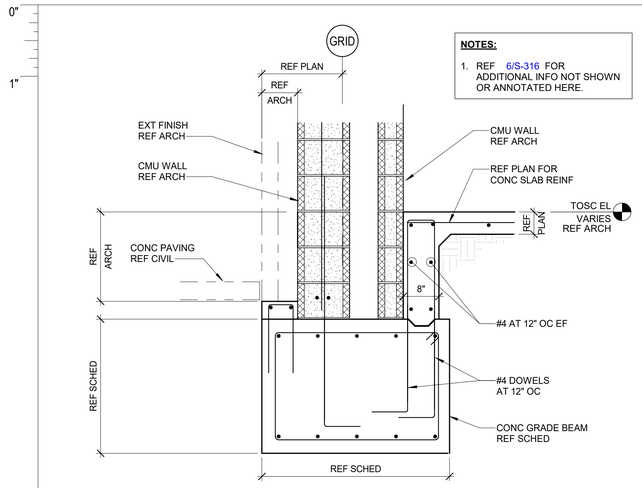
BUILDING NUMBER

FOUNDATION DETAILS AND SECTIONS

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-317

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:33 PM



NOTES:

1. REF 6/S-316 FOR ADDITIONAL INFO NOT SHOWN OR ANNOTATED HERE.

1 EXTERIOR AT RAMP
3/4" = 1'-0"

PBK
ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238

STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674

MEPT
LEAF ENGINEERS
T 713 940 3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323

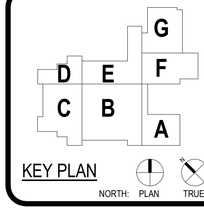
BUILDING ENVELOPE
BEAM
T 713 940 3201

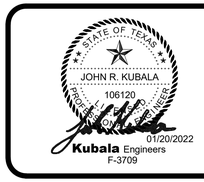
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

FOUNDATION DETAILS AND SECTIONS

S-319 2

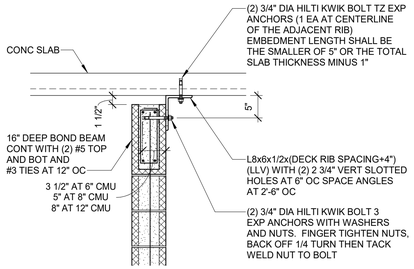
Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:33 PM

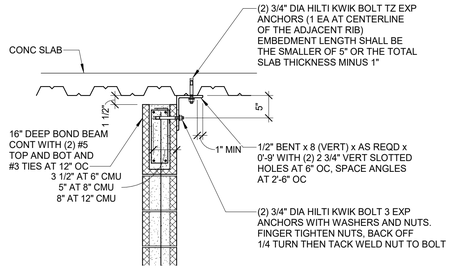
0"
1"

	SW TAG	CMU (SIZE)	MEAN ROOF HEIGHT (SIMPLE SPAN)	VERT REINF (IN FULLY GROUTED CELLS)	HORIZ REINF (IN FULLY GROUTED CELLS)	JAMB / JOINT REINF (IN FULLY GROUTED CELLS)
EXTERIOR WALL	SW1	8"	16'-0"	#6 @ 24" OC EF	#5 @ 48" OC	(2) #5 PER CELL IN FIRST 2 CELLS
			>16'-0" ..... 28'-0"	#6 @ 8" OC EF	#5 @ 32" OC	(2) #6 PER CELL IN FIRST 3 CELLS
	SW2	12"	16'-0"	#6 @ 40" OC EF	#5 @ 32" OC	(2) #6 PER CELL IN FIRST 3 CELLS
			>16'-0" ..... 28'-0"	#6 @ 16" OC EF	#5 @ 32" OC EF	(2) #6 PER CELL IN FIRST 3 CELLS
INTERIOR WALL	SW1	8"	16'-0"	#6 @ 32" OC	#5 @ 32" OC	(2) #6 PER CELL IN FIRST 3 CELLS
			>16'-0" ..... 28'-0"	#6 @ 16" OC EF	#5 @ 32" OC	(2) #6 PER CELL IN FIRST 3 CELLS

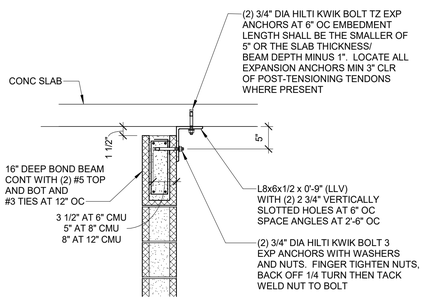
1 TYPICAL MASONRY SHEAR WALL REINF. SCHEDULE
NO SCALE



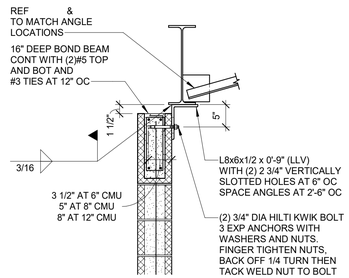
AT RIBBED SLAB PERPENDICULAR TO WALL



AT RIBBED SLAB PARALLEL TO WALL

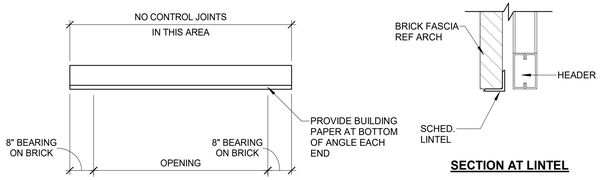


AT CONCRETE SLAB/ BEAM



AT STEEL BEAM

2 TYPICAL BRACING AT TOP OF STRUCTURAL CMU SHEAR WALLS AND NON STRUCTURAL EXTERIOR CMU WALLS
3/4" = 1'-0"



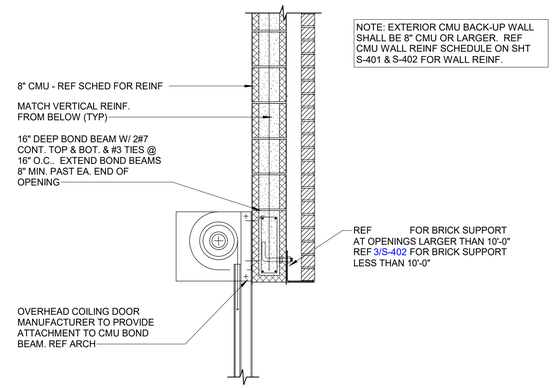
SECTION AT LINTEL

CLEAR OPENING	MINIMUM ANGLE SIZE
0 TO LESS THAN 6'-0"	L 3 1/2 x 3 1/2 x 5/16
6'-0" TO LESS THAN 7'-0"	L 5 x 3 1/2 x 5/16 (LLV)
7'-0" TO LESS THAN 8'-0"	L 6 x 3 1/2 x 5/16 (LLV)
8'-0" - 10'-0"	L 7 x 4 x 3/8 (LLV)

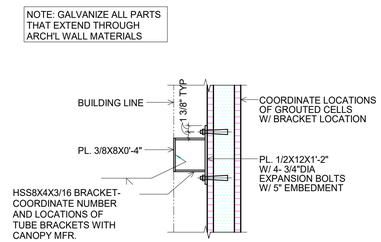
NOTES:

1. REF ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
2. PROVIDE 1" OF BEARING @ EACH JAMB FOR EACH FOOT OF CLEARSPAN BUT NOT LESS THAN 8".
3. WHERE MIN. BEARING CANNOT BE ACHIEVED, PROVIDE ADEQUATE CONNECTION TO STRUCTURAL MEMBERS OR PROVIDE VERTICAL SUPPORTS AS REQ'D. SUCH DETAILS SHALL BE APPROVED BY THE ENGINEER OF RECORD.

3 TYPICAL STEEL LOOSE LINTEL SCHEDULE
NO SCALE

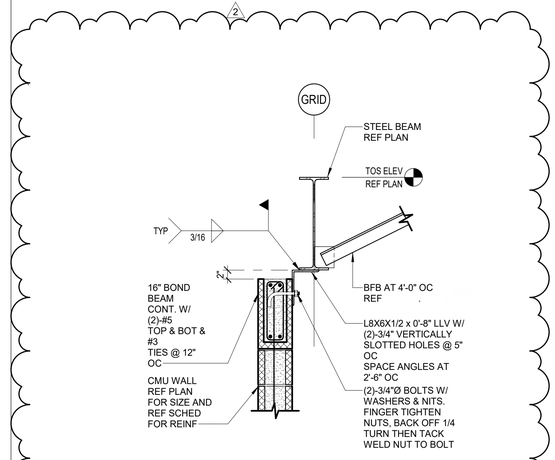


4 TYPICAL OVERHEAD COILING DOOR ATTACHMENT TO CMU BACKUP WALL DETAIL
3/4" = 1'-0"

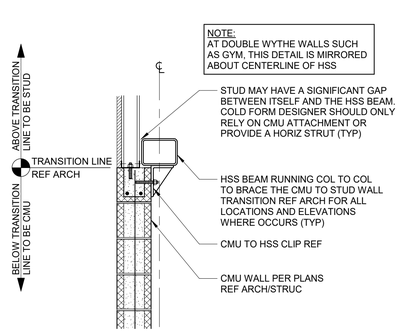


AT CMU WALL LOCATIONS

5 ALUMINUM CANOPY ATTACHMENT AT CMU
3/4" = 1'-0"



7 TYP CMU WALL BRACING AT STL BEAM
3/4" = 1'-0"



6 TYPICAL CMU TO STUD WALL TRANSITION DETAIL
3/4" = 1'-0"

PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEP/T
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN
G F E D C B A
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

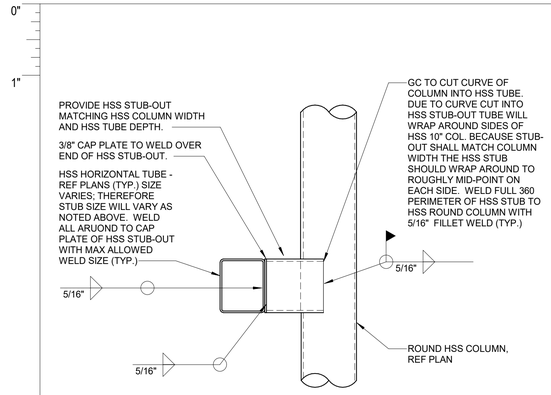
BUILDING NUMBER

GENERAL CMU NOTES AND TYP DETAILS

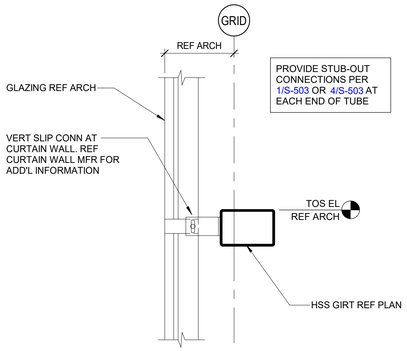
Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-402

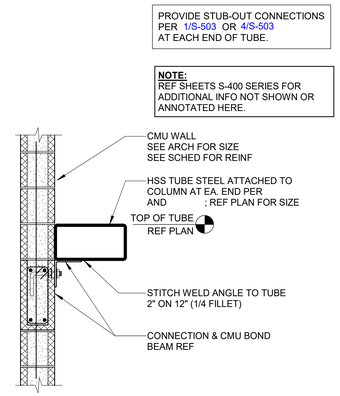
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:35 PM



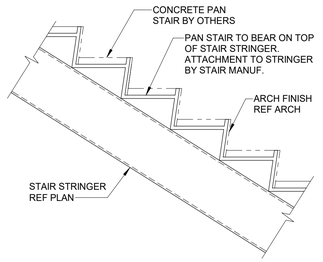
1 TYPICAL WIND GIRT AT ROUND COLUMN
NO SCALE



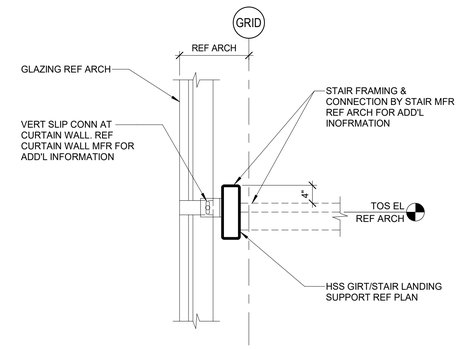
4 TYPICAL HSS GIRT AT GLAZING
NO SCALE



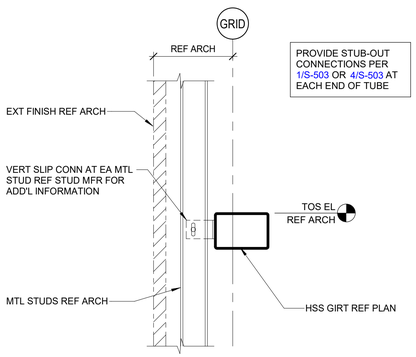
7 CMU WALL SUPPORT DETAIL
3/4" = 1'-0"



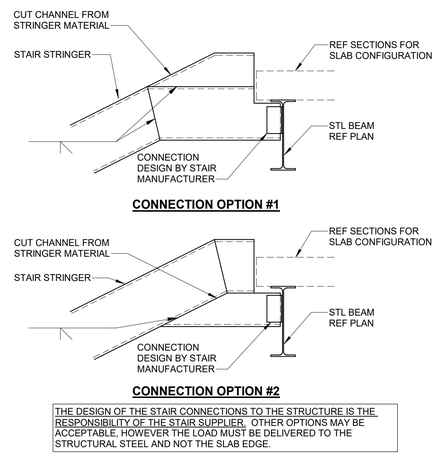
9 LEARNING STAIR SECTION
3/4" = 1'-0"



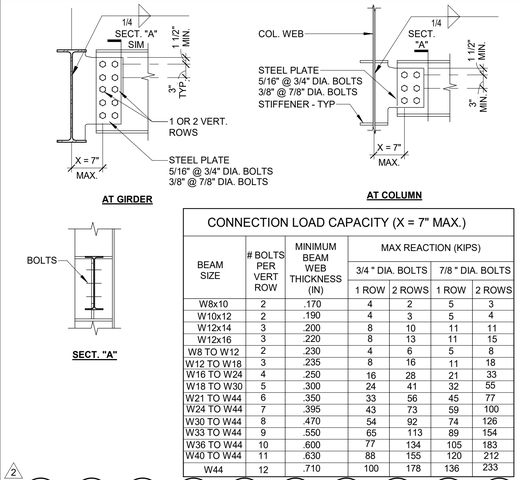
2 TYPICAL GIRT/STAIR LANDING SUPPORT
NO SCALE



5 TYPICAL HSS GIRT AT EXTERIOR METAL STUD
NO SCALE



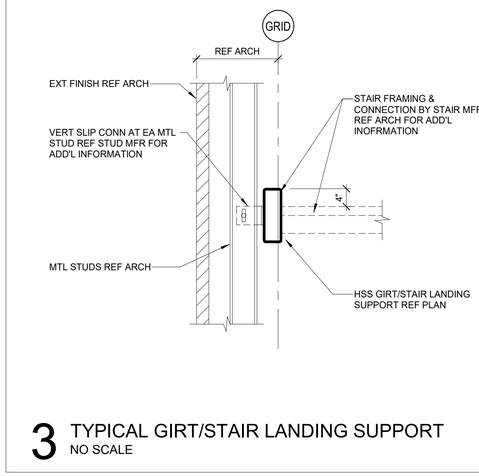
8 TYPICAL CONNECTION OPTIONS FOR STAIR STRINGER TO STRUCTURAL STEEL
3/4" = 1'-0"



CONNECTION LOAD CAPACITY (X = 7" MAX.)

BEAM SIZE	# BOLTS PER VERT ROW	MINIMUM BEAM WEB THICKNESS (IN)	MAX REACTION (KIPS)			
			3/4 " DIA. BOLTS		7/8 " DIA. BOLTS	
			1 ROW	2 ROWS	1 ROW	2 ROWS
W8x10	2	.170	4	2	5	3
W10x12	2	.190	4	3	5	4
W12x14	3	.200	8	10	11	11
W12x16	3	.220	8	13	11	15
W8 TO W12	2	.230	4	6	5	8
W12 TO W18	3	.235	8	16	11	18
W16 TO W24	4	.250	16	28	21	33
W18 TO W30	5	.300	24	41	32	55
W21 TO W44	6	.350	33	56	45	77
W24 TO W44	7	.395	43	73	59	100
W30 TO W44	8	.470	54	92	74	126
W33 TO W44	9	.550	65	113	89	154
W36 TO W44	10	.600	77	134	105	183
W40 TO W44	11	.630	88	155	120	212
W44	12	.710	100	178	136	233

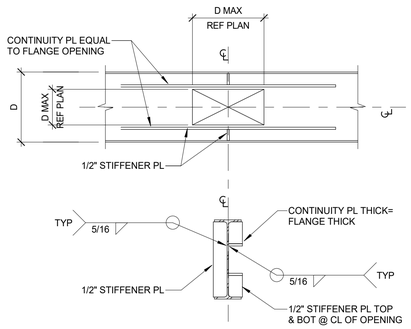
2
10 TYPICAL SINGLE PLATE BOLTED CONNECTION
NO SCALE



3 TYPICAL GIRT/STAIR LANDING SUPPORT
NO SCALE

NOTE:

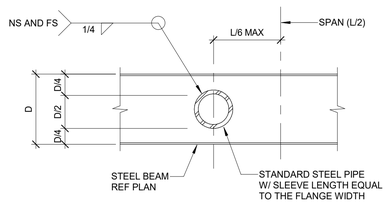
1. CONTRACTOR SHALL SUBMIT SIZE AND LOCATIONS OF ALL OPENINGS NOT SHOWN ON PLAN TO ENGINEER FOR APPROVAL PRIOR TO SUBMITTING OF STEEL SHOP DRAWINGS.



TYPICAL RECTANGULAR OPENING

NOTES:

1. WHERE ROUND OPENINGS ARE 4" OR LESS, REINFORCING SHOWN IS NOT REQUIRED.
2. CONTRACTOR SHALL SUBMIT SIZE AND LOCATIONS OF ALL OPENINGS NOT SHOWN ON PLAN TO ENGINEER FOR APPROVAL PRIOR TO SUBMISSION OF STEEL SHOP DRAWINGS.



TYPICAL ROUND OPENING ELEVATION

6 TYPICAL OPENING IN BEAM
NO SCALE

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

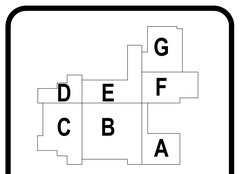
PBK
ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

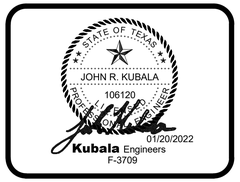
CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

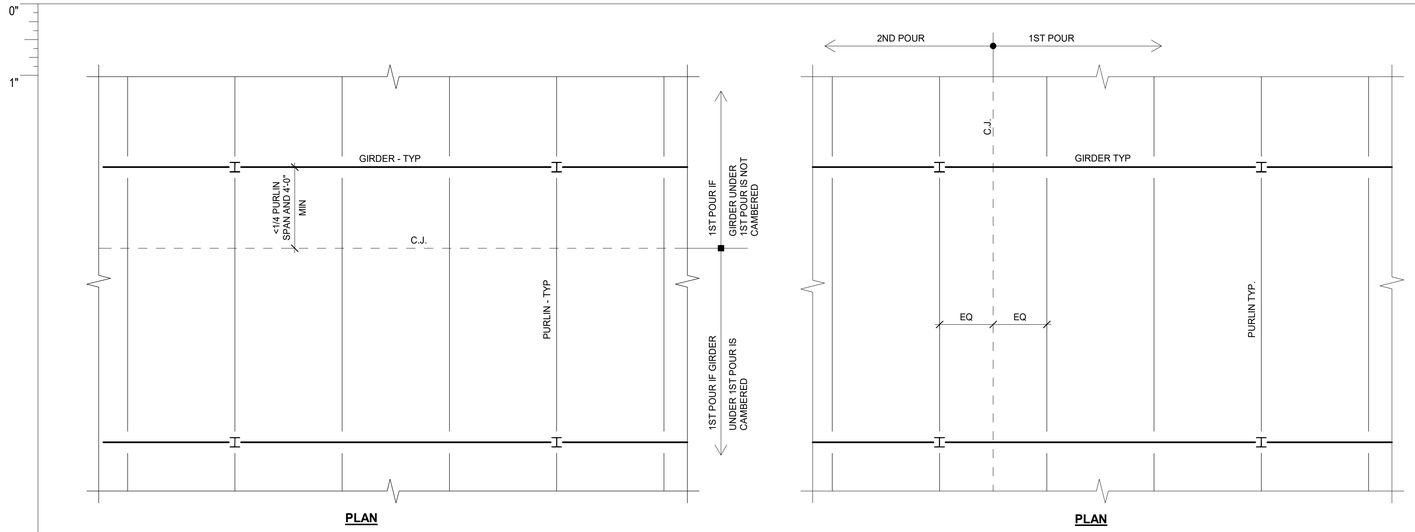
ISSUE FOR CSP

BUILDING NUMBER

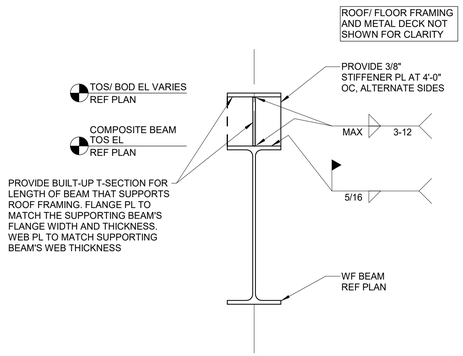
GENERAL STEEL NOTES AND TYP DETAILS - CONT

S-504

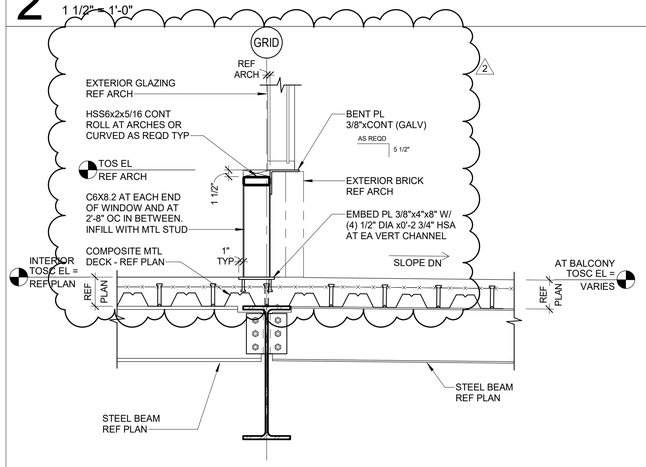
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:39 PM



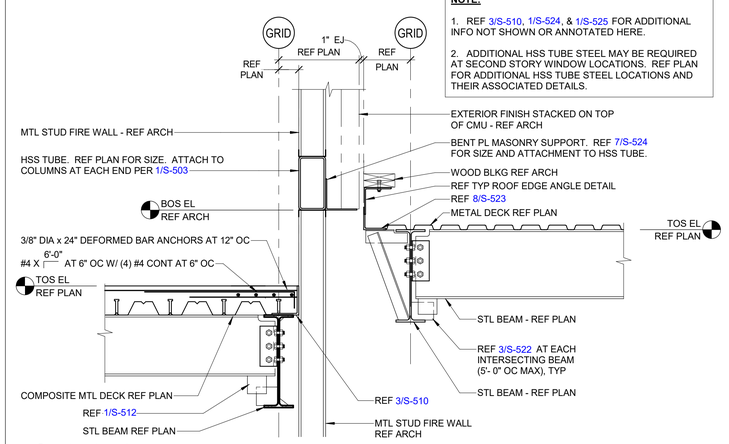
1 TYPICAL DETAIL FOR COMPOSITE SLAB CONSTRUCTION JOINTS
NO SCALE



2 BUILT-UP WF BEAM
1 1/2" = 1'-0"



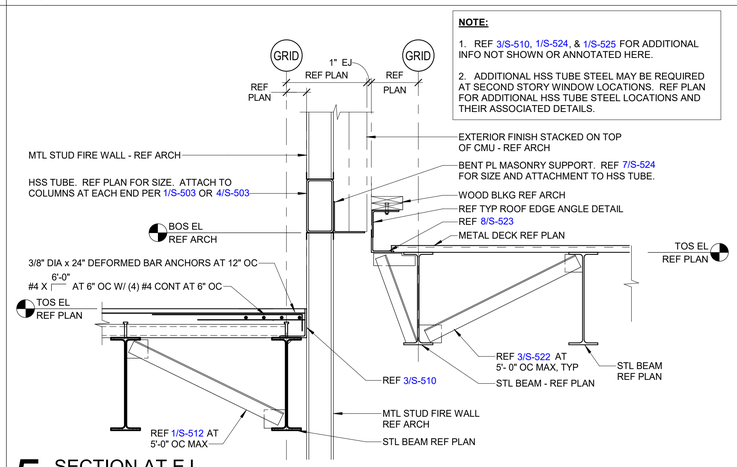
3 SECTION AT BALCONY
3/4" = 1'-0"



NOTE:

1. REF 3/S-510, 1/S-524, & 1/S-525 FOR ADDITIONAL INFO NOT SHOWN OR ANNOTATED HERE.
2. ADDITIONAL HSS TUBE STEEL MAY BE REQUIRED AT SECOND STORY WINDOW LOCATIONS. REF PLAN FOR ADDITIONAL HSS TUBE STEEL LOCATIONS AND THEIR ASSOCIATED DETAILS.

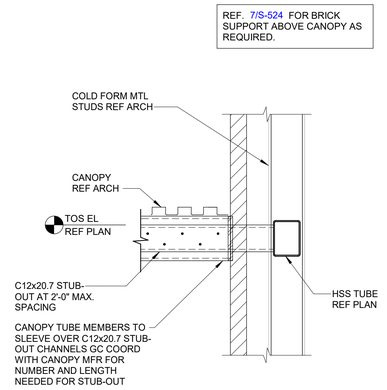
4 SECTION AT EJ
NO SCALE



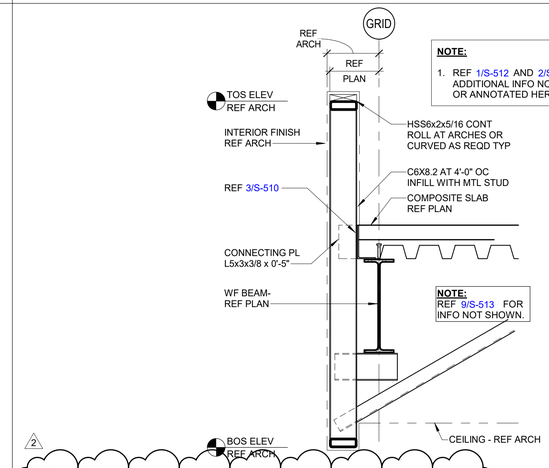
NOTE:

1. REF 3/S-510, 1/S-524, & 1/S-525 FOR ADDITIONAL INFO NOT SHOWN OR ANNOTATED HERE.
2. ADDITIONAL HSS TUBE STEEL MAY BE REQUIRED AT SECOND STORY WINDOW LOCATIONS. REF PLAN FOR ADDITIONAL HSS TUBE STEEL LOCATIONS AND THEIR ASSOCIATED DETAILS.

5 SECTION AT EJ
NO SCALE



6 PRE-MANUFACTURED CANOPY CONNECTION
3/4" = 1'-0"



NOTE:

1. REF 1/S-512 AND 2/S-512 FOR ADDITIONAL INFO NOT SHOWN OR ANNOTATED HERE.

7 DETAIL AT LEARNING COMMONS BALCONY
3/4" = 1'-0"

PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL DIG ENGINEERS T 713 940 3238
STRUCTURAL KUBALA ENGINEERS T 800 248 3674
MEPT LEAF ENGINEERS T 713 940 3300
FOOD SERVICES FOODSERVICE DESIGN PROFESSIONALS T 281 350 2323
BUILDING ENVELOPE BEAM T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN
G D E F C B A
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

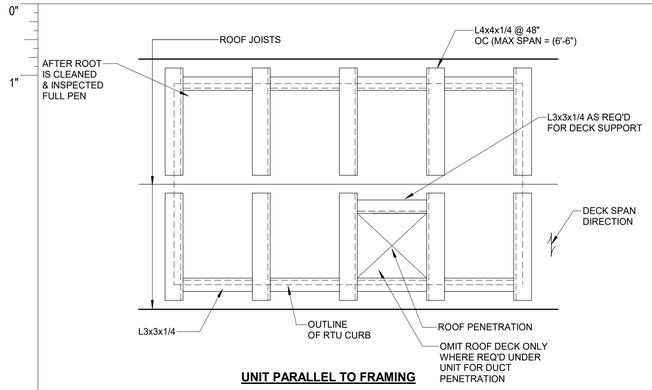
BUILDING NUMBER

GENERAL COMPOSITE STEEL NOTES AND TYP DETAILS - CONT

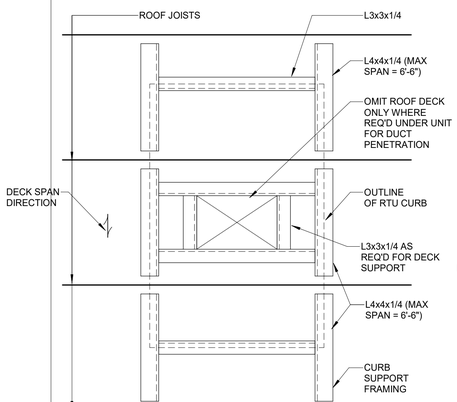
S-511

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:41 PM



UNIT PARALLEL TO FRAMING

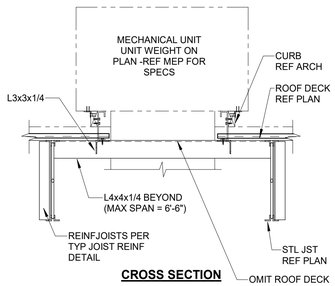


UNIT PERPENDICULAR TO FRAMING

DESIGN CRITERIA:
INTERNATIONAL BUILDING CODE 2015
WIND VELOCITY = 120 MPH (3-SEC)
EXPOSURE = C
RISK CATEGORY III

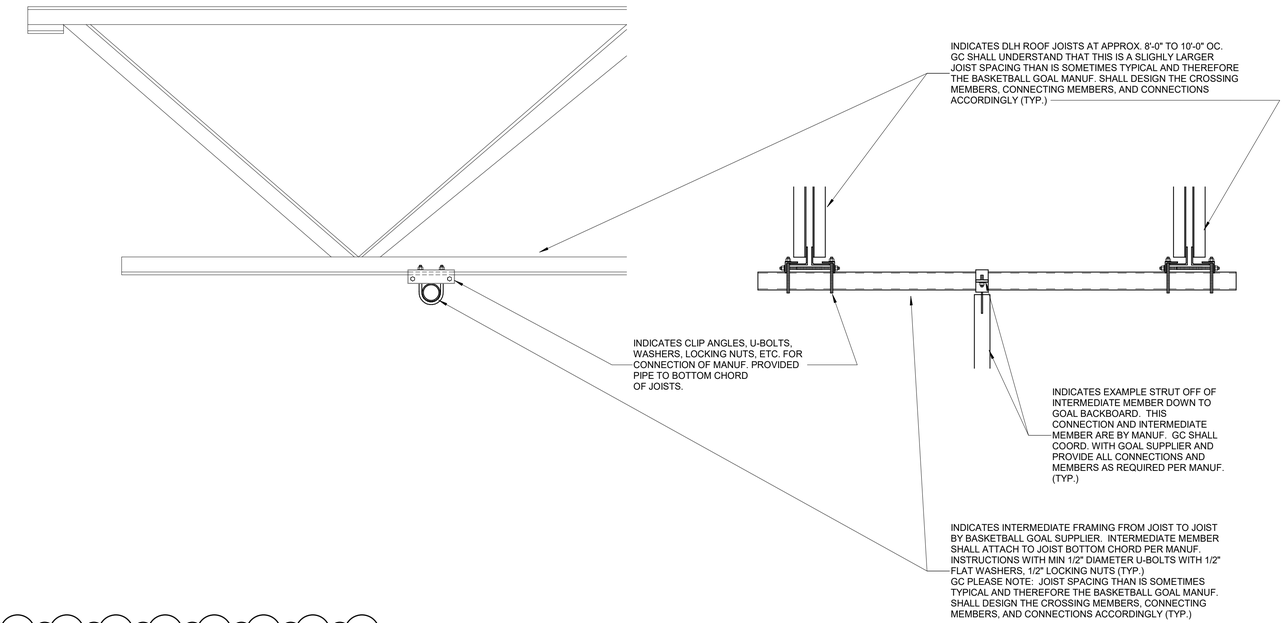
NOTES:

1. VERIFY SIZE OF FRAME W/ MECH CONTRACTOR.
2. VERIFY UNIT LOCATION ON SITE PRIOR TO FRAME FABRICATION.
3. CONTRACTOR TO VERIFY UNIT WEIGHT WITH WEIGHT SHOWN ON PLAN.

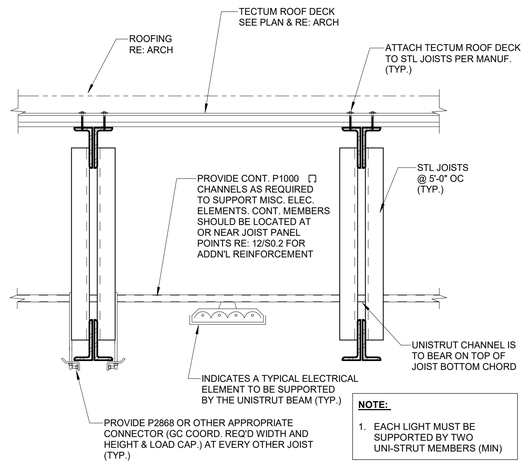


CROSS SECTION

1 TYPICAL SUPPORT AT MECHANICAL UNIT DETAIL
NO SCALE



4 TYPICAL BASKETBALL GOAL DETAIL
3/4" = 1'-0"



NOTE:

1. EACH LIGHT MUST BE SUPPORTED BY TWO UNI-STRUT MEMBERS (MIN)

2 UNISTRUT DETAIL FOR ELECTRICAL SUPPORT
NO SCALE

3 TRUSS -T1- AT FOLDING PARTITION - AREA C
3/8" = 1'-0"

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEP
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





KEY PLAN
NORTH: PLAN TRUE



Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

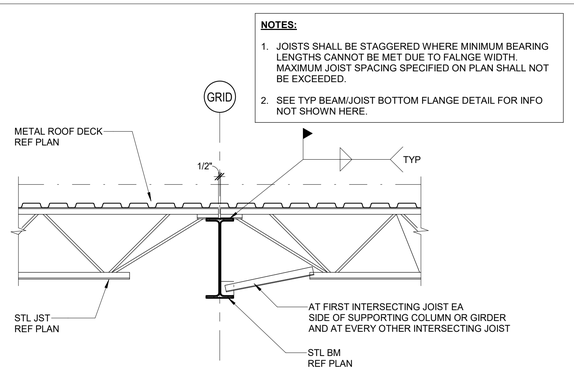
ISSUE FOR CSP

BUILDING NUMBER

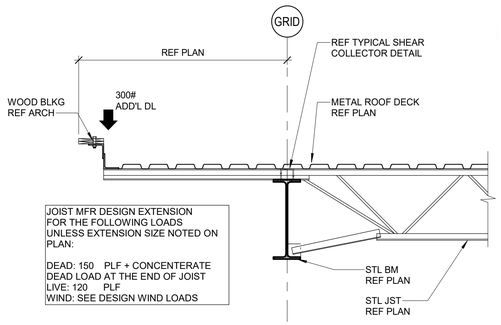
GENERAL STEEL NOTES AND TYP DETAILS - CONT

S-521

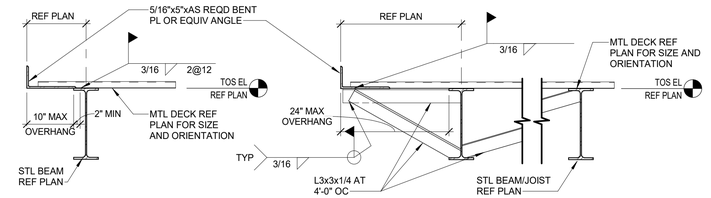
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY: Checker
DRAWN BY: Author
Plot Stamp: 1/20/2022 2:39:39 PM



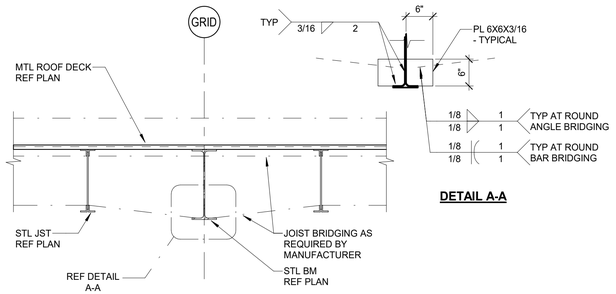
1 TYPICAL INTERIOR DETAIL AT K JOIST BEARING
NO SCALE



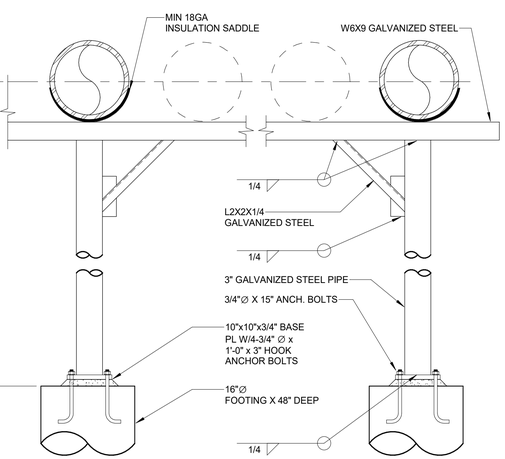
5 TYPICAL ROOF JOIST EXTENTION
NO SCALE



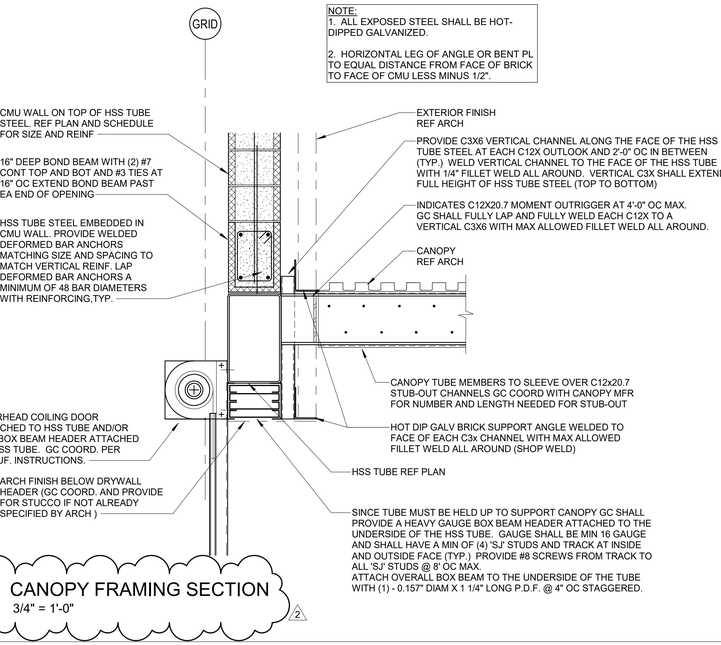
8 TYPICAL ROOF EDGE DETAIL
3/4" = 1'-0"



3 TYPICAL JOIST BRIDGING CONNECTION TO INTERIOR STEEL BEAM
NO SCALE



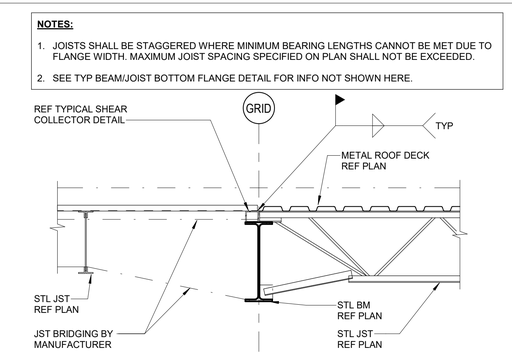
6 SINGLE COLUMN PIPE STANCHION DETAIL
NO SCALE



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

10 CANOPY FRAMING SECTION
3/4" = 1'-0"

7 DOUBLE PIPE STANCHION PIPE SUPPORT DETAIL
NO SCALE



4 TYPICAL CHANGE IN DECK DIRECTION AT STEEL BEAM
NO SCALE

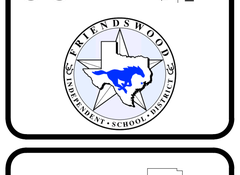
PBK
ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

GENERAL STEEL NOTES AND TYP DETAILS - CONT

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-523

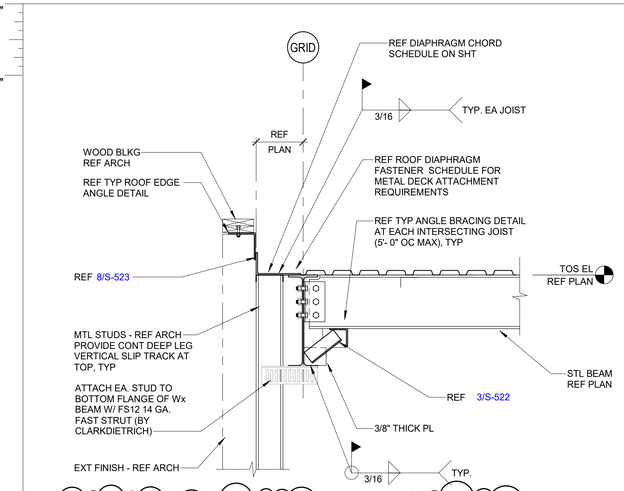
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:47 PM

0"
1"

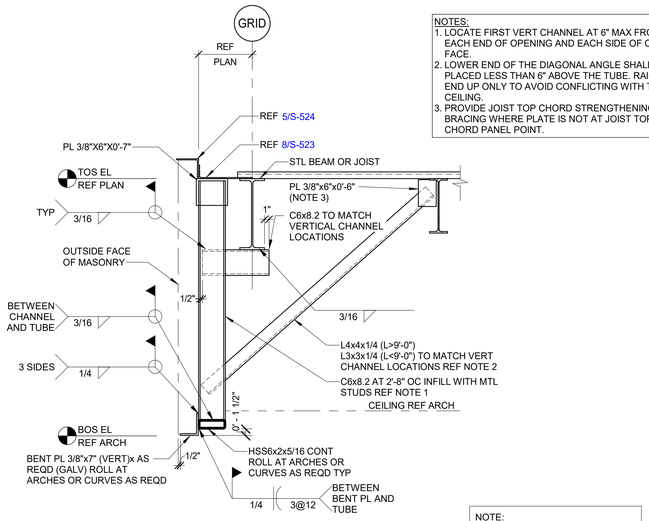
STEEL ROOF FRAMING SECTIONS AND DETAILS

S-524

FOR BLUEBEAM LABELING/OCR:



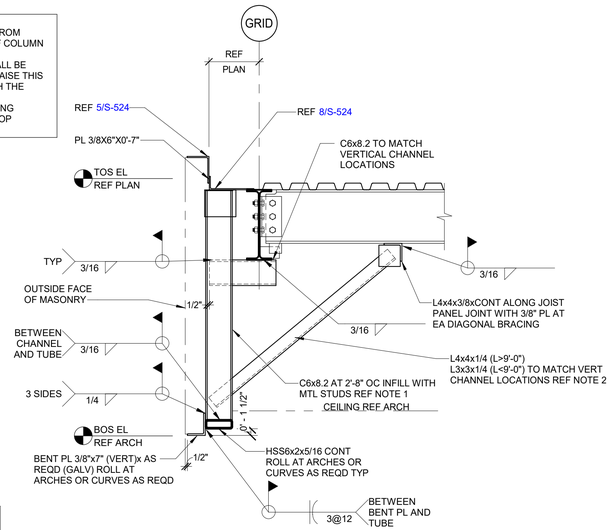
1 EXTERIOR ROOF EDGE DETAIL AT STUD WALL
NO SCALE

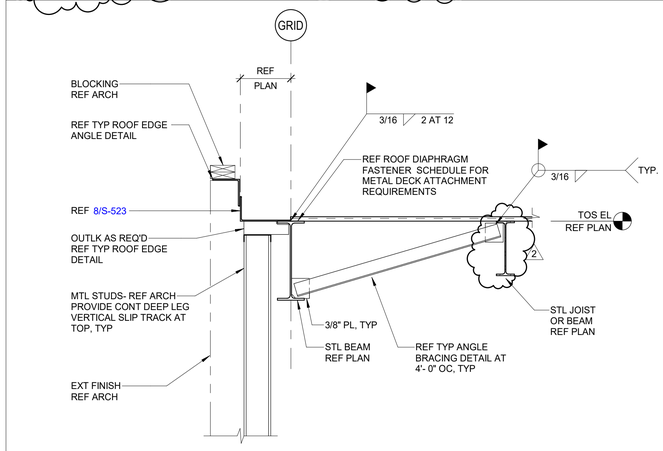


NOTES:
1. LOCATE FIRST VERT CHANNEL AT 6" MAX FROM EACH END OF OPENING AND EACH SIDE OF COLUMN FACE.
2. LOWER END OF THE DIAGONAL ANGLE SHALL BE PLACED LESS THAN 6" ABOVE THE TUBE. RAISE THIS END UP ONLY TO AVOID CONFLICTING WITH THE CEILING.
3. PROVIDE JOIST TOP CHORD STRENGTHENING BRACING WHERE PLATE IS NOT AT JOIST TOP CHORD PANEL POINT.

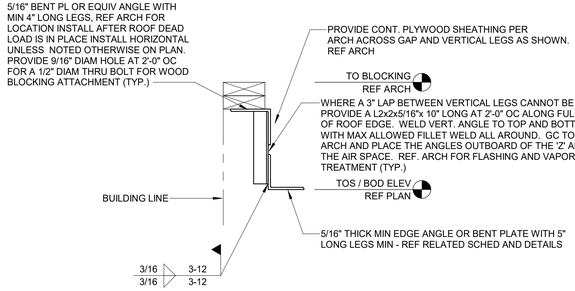
NOTE:
FOR OPENINGS LESS THAN 8'-0" REF LOOSE LINTEL SCHED

4 TYPICAL MASONRY SUPPORT OVER OPENINGS GREATER THAN 8'-0"
3/4" = 1'-0"

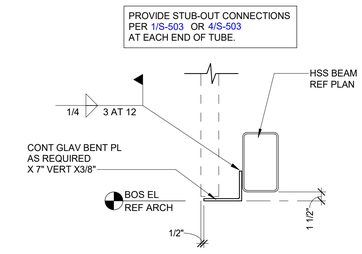




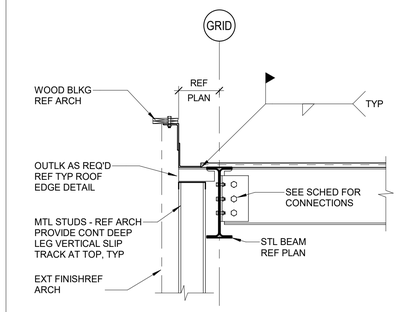
2 EXTERIOR ROOF EDGE DETAIL AT STUD WALL
NO SCALE



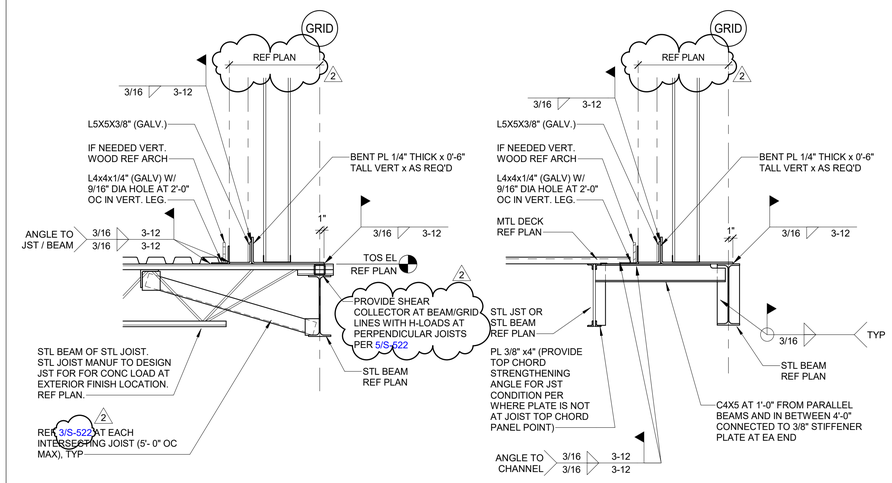
5 TYPICAL ROOF EDGE ANGLE
3/4" = 1'-0"



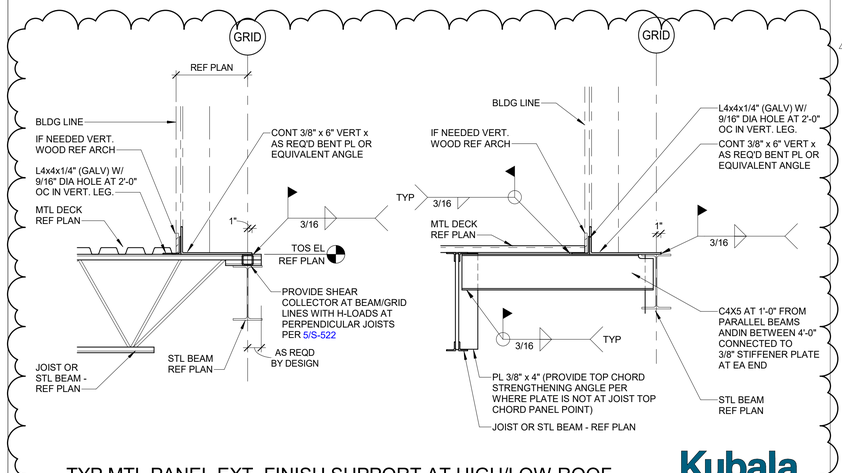
7 TYP LOW TUBE AT BRICK SUPPORT
1" = 1'-0"



3 EXTERIOR DETAIL AT METAL STUD
NO SCALE



6 TYP EXTERIOR FINISH SUPPORT AT HIGH/LOW ROOF TRANSITIONS
3/4" = 1'-0"



8 TYP MTL PANEL EXT. FINISH SUPPORT AT HIGH/LOW ROOF TRANSITIONS
3/4" = 1'-0"

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:49 PM

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

G D E F C B A

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
01/20/2022
Kubala Engineers
F-3709

CLIENT
FRIENDSWOOD ISD
DATE
DECEMBER 17, 2021
PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

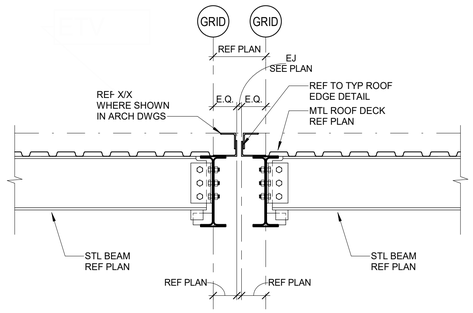
S-524

0"
1"

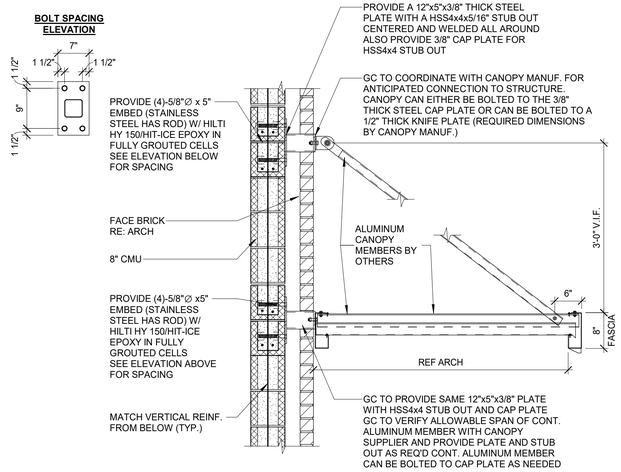
STEEL ROOF FRAMING SECTIONS AND DETAILS

S-525

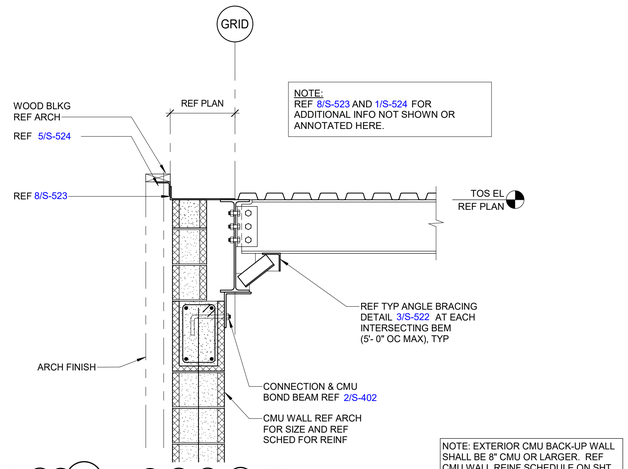
FOR BLUEBEAM LABELING/OCR:



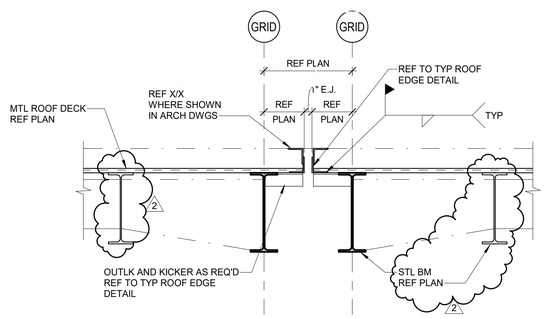
1 DETAIL AT EXPANSION JOINT
NO SCALE



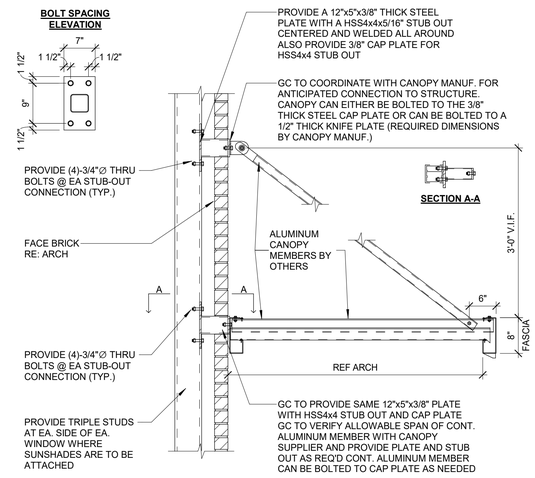
4 TYPICAL CANOPY CONNECTION TO CMU DETAIL
NO SCALE



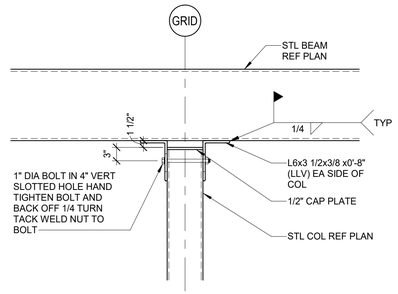
7 ROOF EDGE DETAIL AT CMU WALL
3/4" = 1'-0"



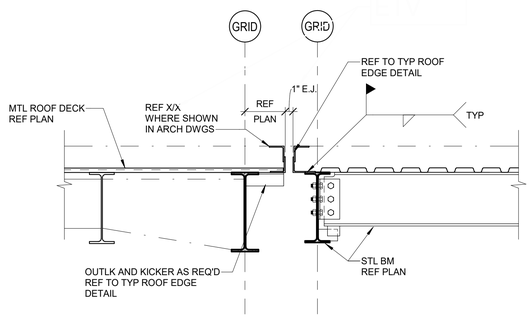
2 DETAIL AT EXPANSION JOINT
NO SCALE



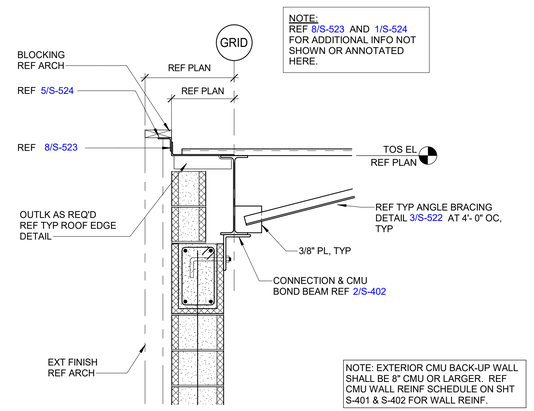
5 TYPICAL CANOPY CONNECTION TO METAL STUD DETAIL
NO SCALE



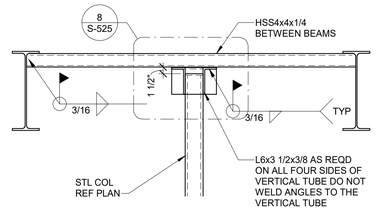
8 FRAMING SECTION
3/4" = 1'-0"



3 DETAIL AT EXPANSION JOINT
NO SCALE



6 ROOF EDGE DETAIL AT CMU WALL
3/4" = 1'-0"



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

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:51 PM

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

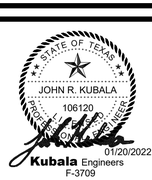
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

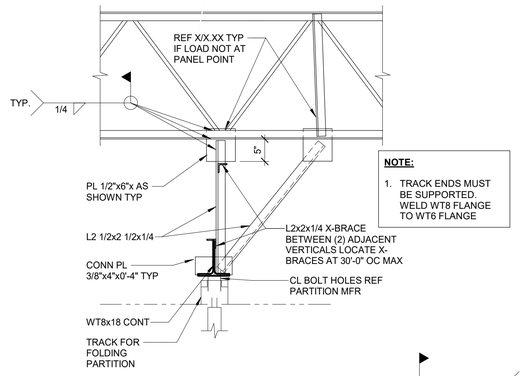
BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

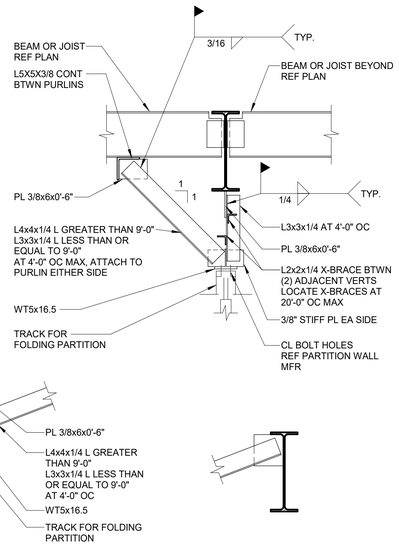
Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-525

0"
1"

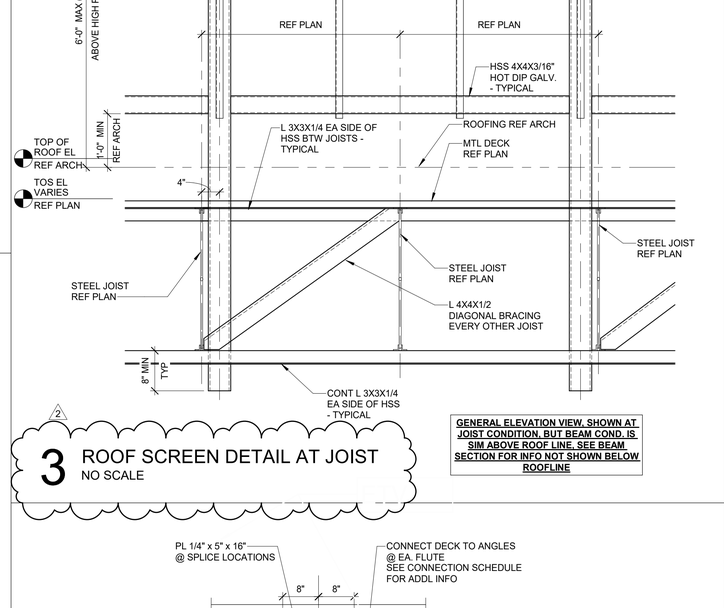


NOTE:
1. TRACK ENDS MUST BE SUPPORTED. WELD WT8 FLANGE TO WT6 FLANGE



NOTE:
1. FLOOR OR ROOF DECK/SLAB NOT SHOWN FOR CLARITY

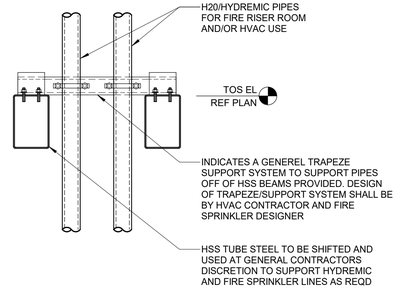
1 FOLDING PARTITION SUPPORT
NO SCALE



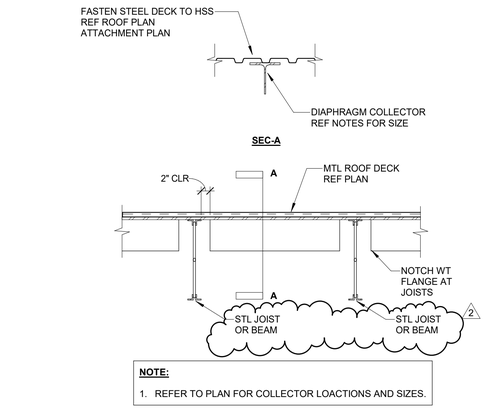
GENERAL ELEVATION VIEW, SHOWN AT JOIST CONDITION, BUT BEAM COND. IS SIM ABOVE ROOF LINE. SEE BEAM SECTION FOR INFO NOT SHOWN BELOW ROOFLINE

3 ROOF SCREEN DETAIL AT JOIST
NO SCALE

NOTE:
1. IF MORE HSS BEAMS ARE NEEDED THAN THOSE SHOWN CONTRACTOR SHALL CARRY THE COST OF THE ADDED HSS BEAMS AS REQD FOR THEIR FIRE RISER/SPRINKLER DESIGN



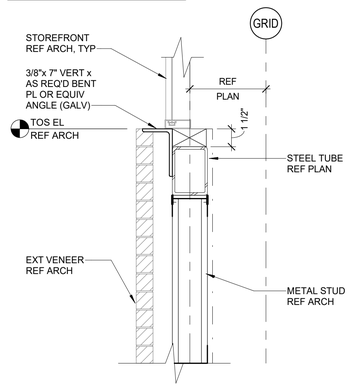
5 FIRE/SPRINKLER SUPPORT
NO SCALE



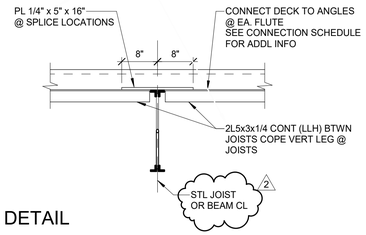
NOTE:
1. REFER TO PLAN FOR COLLECTOR LOACTIONS AND SIZES.

6 DIAPHRAGM COLLECTOR PERP TO JOISTS
NO SCALE

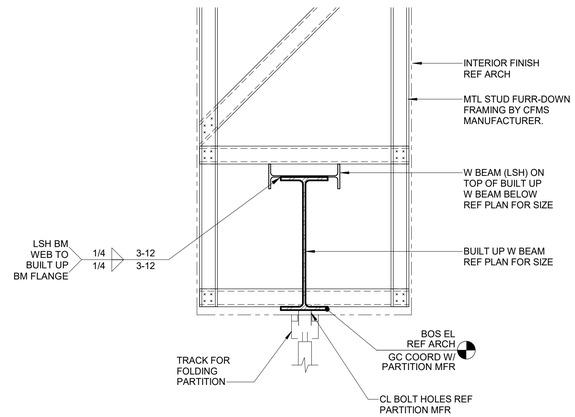
PROVIDE STUB-OUT CONNECTIONS PER 1/S-503 OR 4/S-503 AT EACH END OF TUBE.



2 HSS HEADER DETAIL
NO SCALE



4 TYPICAL DETAIL
NO SCALE



7 FOLDING PARTITION SUPPORT
NO SCALE

PBK
ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN
NORTH: PLAN TRUE

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-526

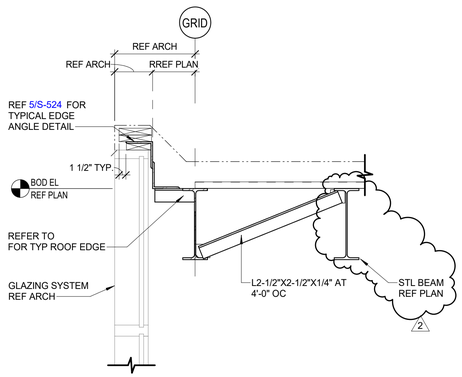
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:53 PM

STEEL ROOF FRAMING SECTIONS AND DETAILS

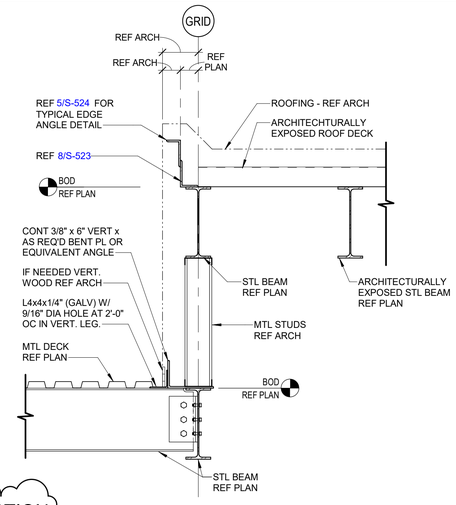
S-527

FOR BLUEBEAM LABELING/OCR:

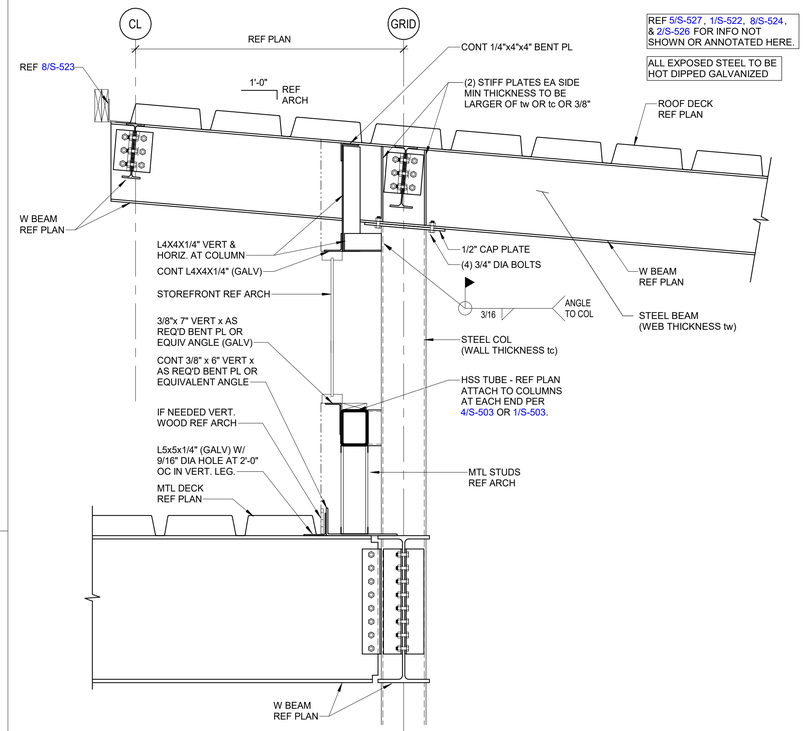




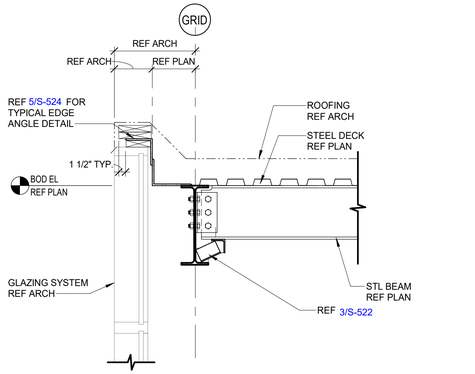
1 ROOF SECTION
3/4" = 1'-0"



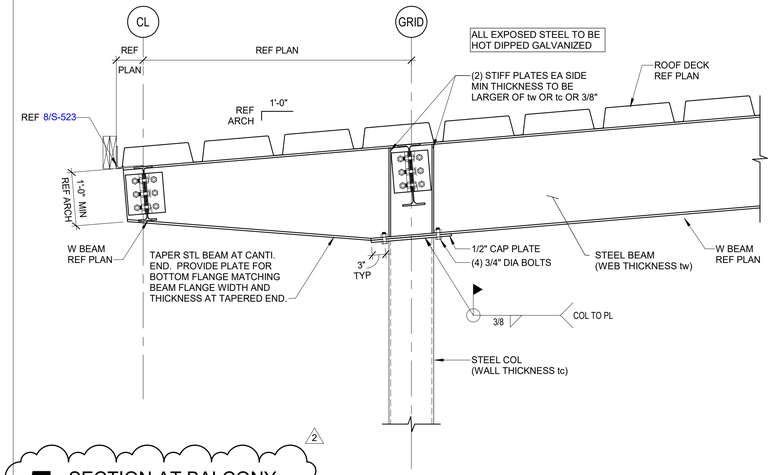
4 ROOF SECTION
3/4" = 1'-0"



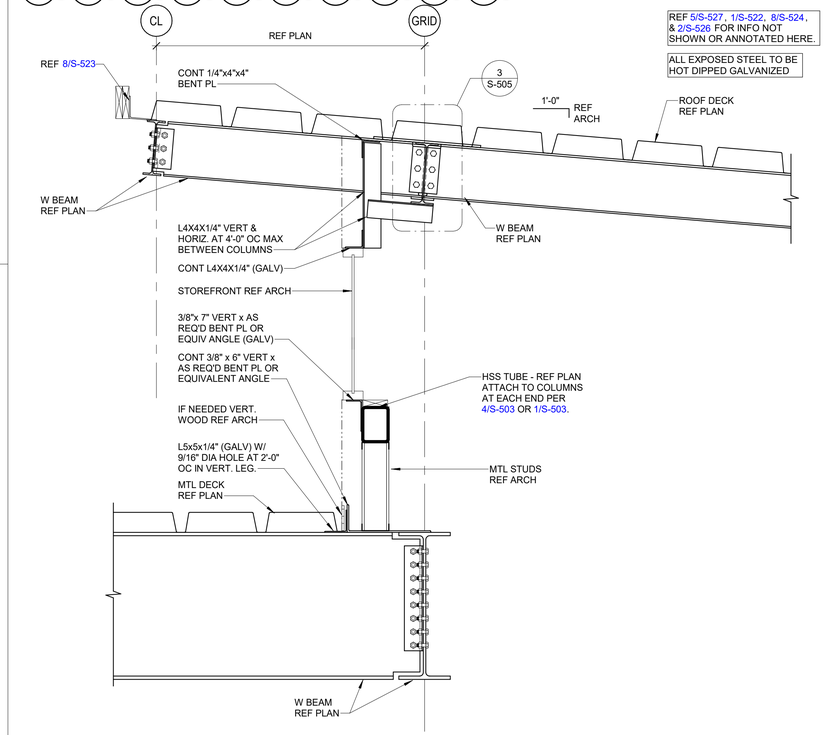
7 HIGH / LOW ROOF SECTION AT CLERESTORY
3/4" = 1'-0"



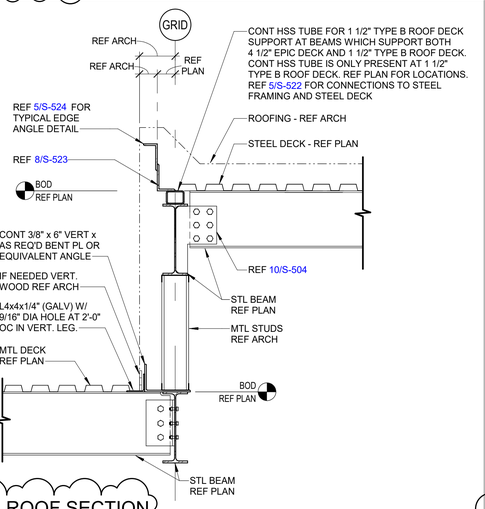
2 ROOF SECTION
3/4" = 1'-0"



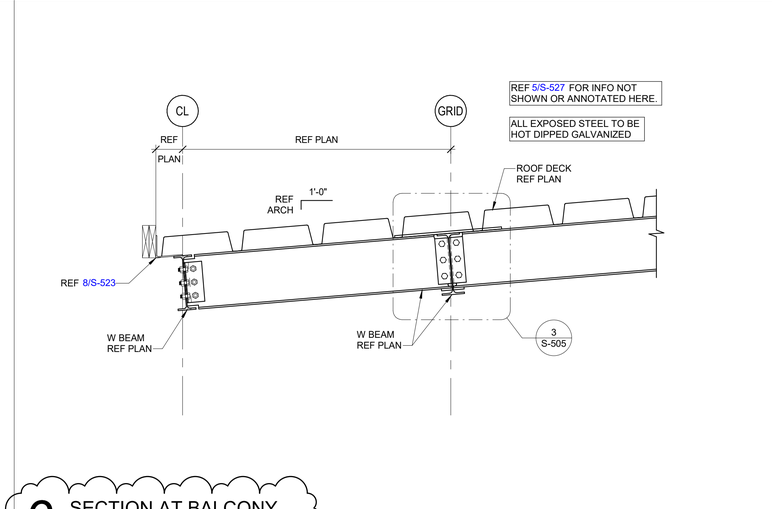
5 SECTION AT BALCONY
3/4" = 1'-0"



8 HIGH / LOW ROOF SECTION AT CLERESTORY
3/4" = 1'-0"



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



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

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238

STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674

MEP/T
LEAF ENGINEERS
T 713 940 3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323

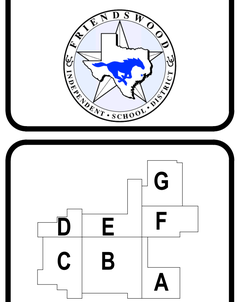
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE
DECEMBER 17, 2021

PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

S-527

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

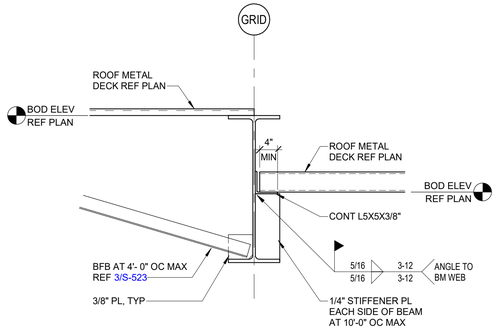
CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:56 PM

0"
1"

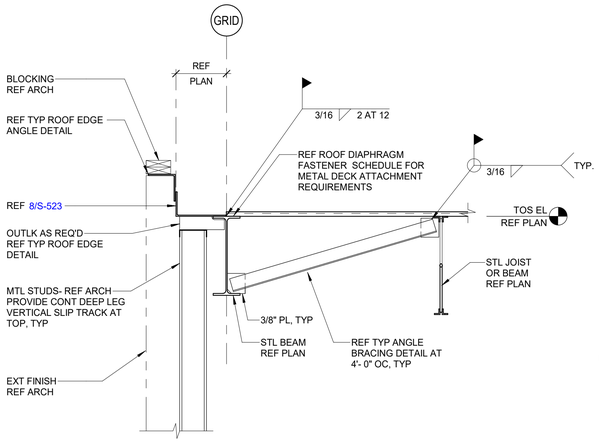
STEEL ROOF FRAMING SECTIONS AND DETAILS

S-528

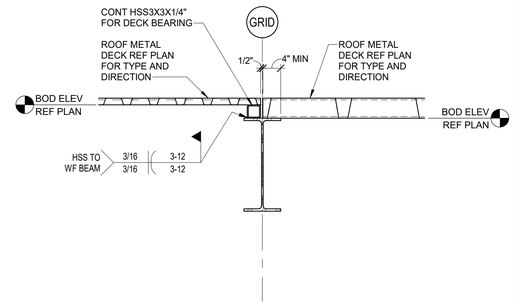
FOR BLUEBEAM LABELING/OCR:



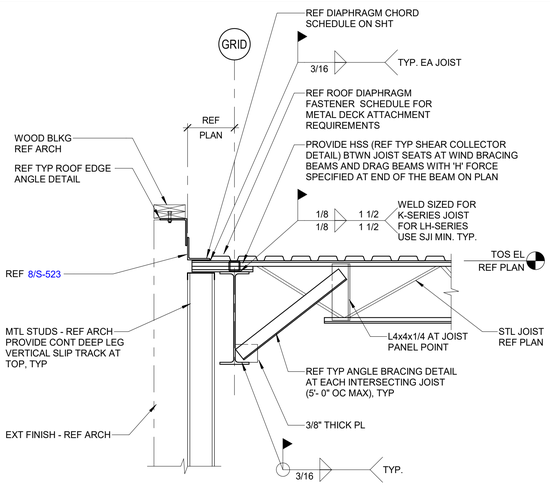
1 ROOF DECK TRANSITION AT EXPOSTED EPIC DECK
3/4" = 1'-0"



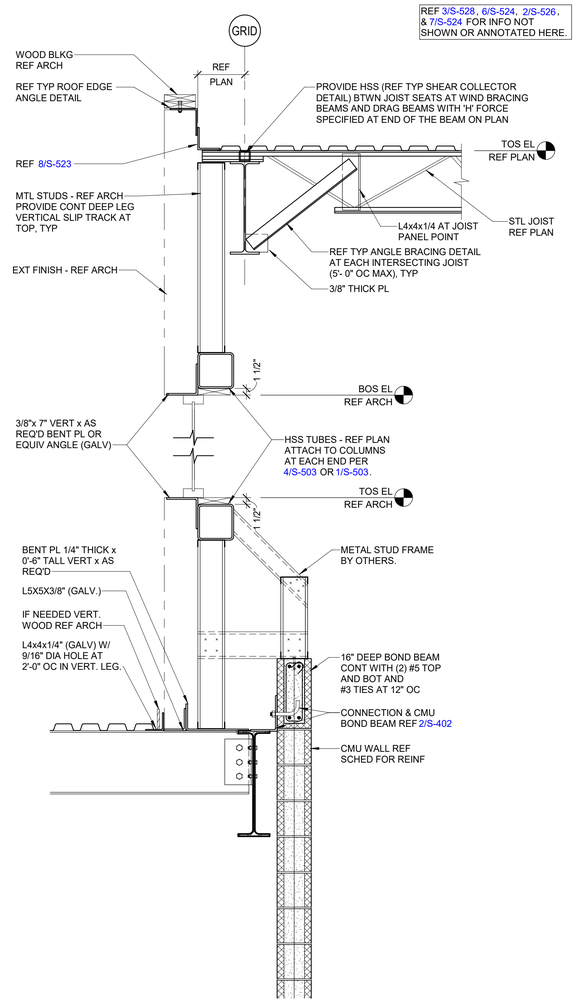
4 EXTERIOR ROOF EDGE DETAIL AT STUD WALL
NO SCALE



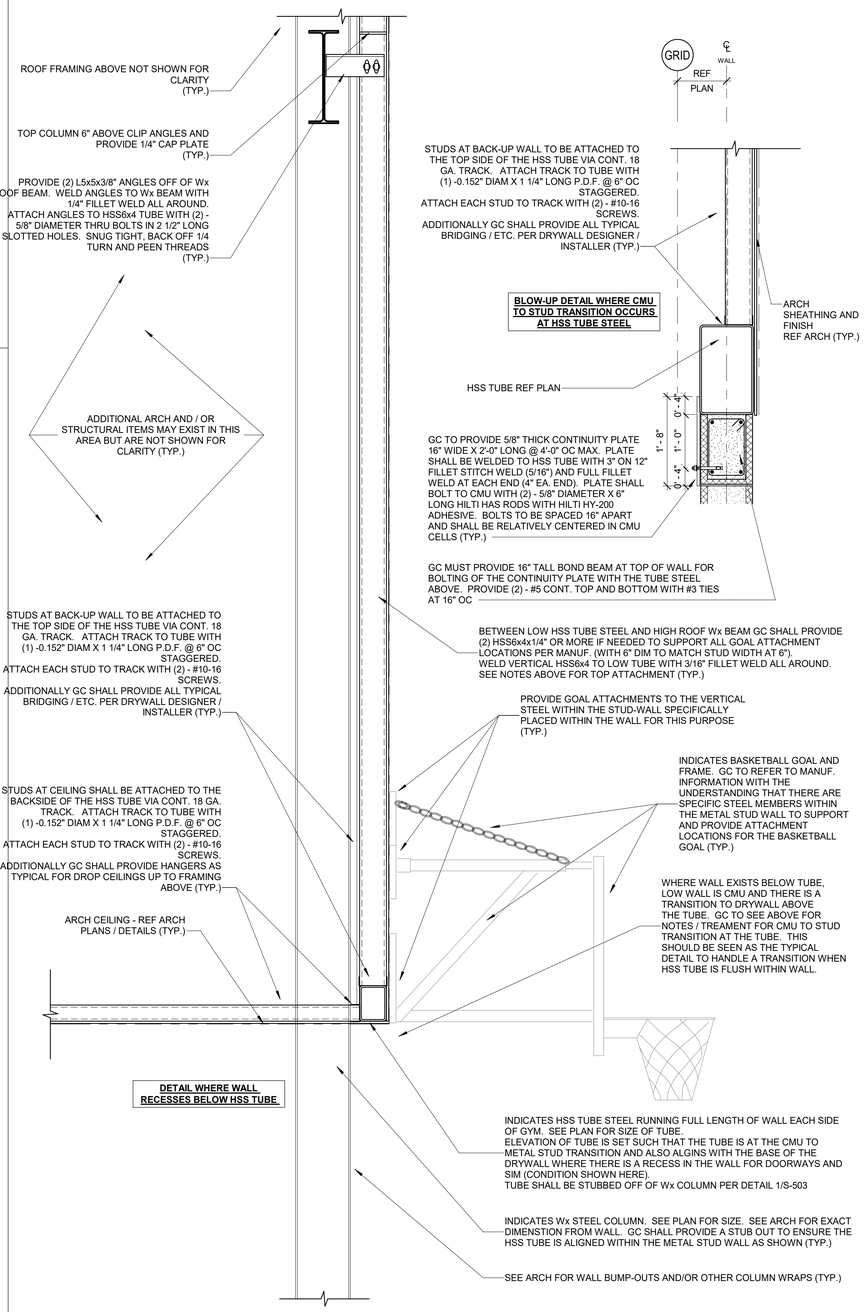
2 ROOF DECK TRANSITION AT EXPOSTED EPIC DECK
3/4" = 1'-0"



3 EXTERIOR ROOF EDGE DETAIL AT STUD WALL
NO SCALE



5 EXTERIOR ROOF EDGE DETAIL AT STUD WALL
NO SCALE



6 TYP. CMU TO STUD TRANSITION & WALL MOUNTED BASKETBALL GOAL TYP. DETAILS
NO SCALE

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0606 P
713-961-4571 F
TX Firm: BR 1608

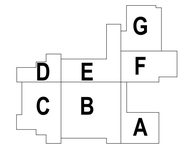
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE DECEMBER 17, 2021
PROJECT NUMBER 20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

S-528

2

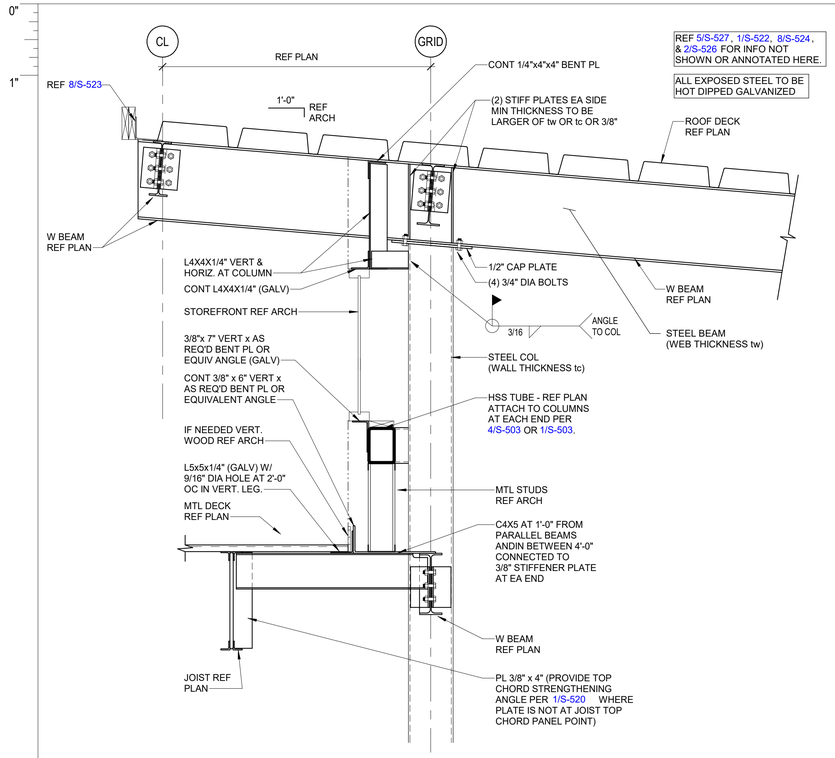
File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:57 PM

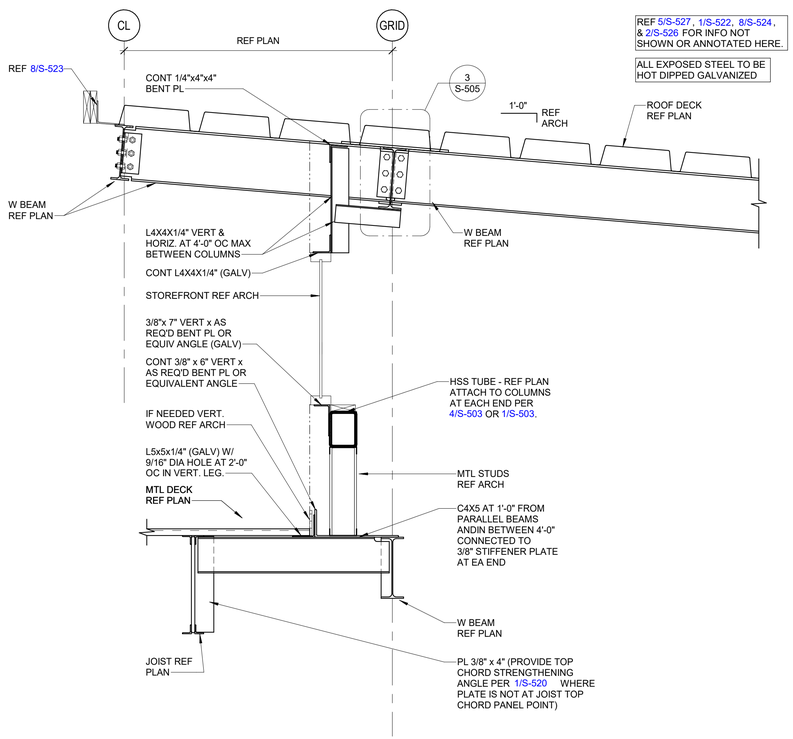
STEEL ROOF FRAMING SECTIONS AND DETAILS

S-529

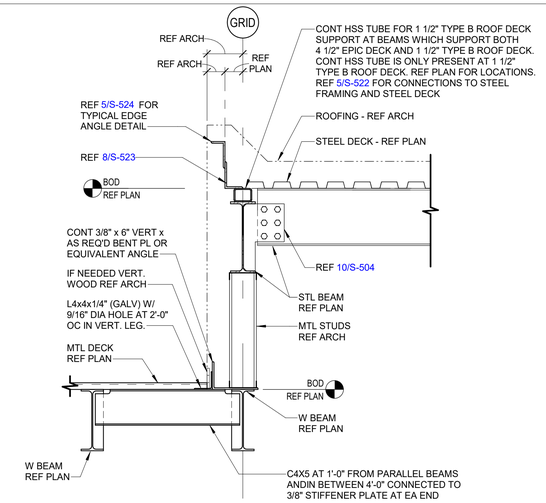
FOR BLUEBEAM LABELING/OCR:



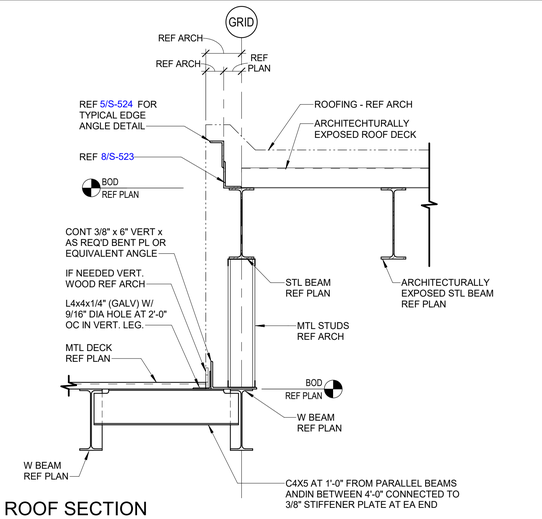
1 HIGH / LOW ROOF SECTION AT CLERESTORY
3/4" = 1'-0"



2 HIGH / LOW ROOF SECTION AT CLERESTORY
3/4" = 1'-0"



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



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

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238

STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674

MEPT
LEAF ENGINEERS
T 713 940 3300

FOOD SERVICES
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323

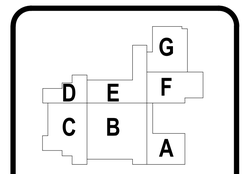
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

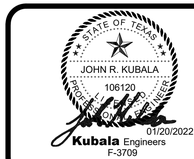
1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

STEEL ROOF FRAMING SECTIONS AND DETAILS

Kubala ENGINEERS
Ph: 800.248.3674
www.kubalaengineers.com
TX. REG. NO. F-3709

S-529

2

File Path: C:\Users\escarfo\Documents\20380_FISD CLINE ES_STR_R21_emily.scarfo.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:48:59 PM

ROOM FINISH SCHEDULE

ROOM DATA №	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	CEILINGS FINISH	REMARKS
B100	CORRIDOR	TRZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	REFERENCE RCP FOR CLOUD LOCATIONS
B101	STAIR B1	TRZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	TERRAZZO TREAD WITH WIRE MESH RISER
B102	STAIR A	TRZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	TERRAZZO TREAD WITH WIRE MESH RISER
B103	LEARNING COMMONS	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	
B104	STAIR B2	WD-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	WD-1 FINISH TREAD AND RISER
B105	LEARNING STAIR	WD-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	WD-1 FINISH TREAD AND RISER
B106	MAKER SPACE	CPT-1	RB-1	PT-1	PT-1	PT-1	W3	CL-1	
B107	LIBRARY WORKROOM	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B108	SENSORY ROOM	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
B109	CORRIDOR	TZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B110	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B111	COLLABORATION	CPT-1	RB-1	PT-1	PT-1	5	PT-1	MC-1	
B111A	PORCH	-	-	-	-	-	-	MC-1	
B112	WORKROOM/ BREAKROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B113	PRE-K	CPT-1	RB-1	VWC-1	WS-1	VWC-1	VWC-2	CL-1	LVT UNDER DRINKING FOUNTAIN
B113A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
B114	PRE-K	CPT-1	RB-1	VWC-1	WS-1	VWC-1	VWC-2	CL-1	LVT UNDER DRINKING FOUNTAIN
B114A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
B115	KINDERGARTEN	CPT-1	RB-1	VWC-1	WS-1	VWC-2	VWC-1	CL-1	LVT UNDER DRINKING FOUNTAIN
B115A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
B116	KINDERGARTEN	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	LVT UNDER DRINKING FOUNTAIN
B116A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
B117	KINDERGARTEN	CPT-1	RB-1	VWC-1	WS-1	VWC-2	VWC-1	CL-1	LVT UNDER DRINKING FOUNTAIN
B117A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
B118	KINDERGARTEN	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	LVT UNDER DRINKING FOUNTAIN
B118A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN, 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'B'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
B107	6'-0"	6'-10"	C	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	212		
B108	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
B110	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
B111A	5'-11 1/2"	7'-0 1/4"	D	AL	113'-10"	11'-10"	SF-20	AL	10/A-731	06/A-731	15/A-732	CW714AM		1
B111B	5'-11 1/2"	7'-0 1/4"	D	AL	113'-10"	11'-10"	SF-20	AL	10/A-731	06/A-731	15/A-732	CW714AM		1
B112	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1 2	AL	18/A-733	12/A-732	09/A-732	503S		
B113	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
B113A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	-	AL	18/A-733	04/A-732	09/A-732	403		
B114	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
B114A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	-	AL	18/A-733	04/A-732	09/A-732	403S		
B115	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B115A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1 2	AL	18/A-733	04/A-732	09/A-732	403		
B115B	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
B116	3'-0"	6'-10"	A	WD	9'-6"	7'-0"	SF-7 OPP.	AL	15/A-731	12/A-732	15/A-732	203		
B116A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1 2	AL	18/A-733	04/A-732	09/A-732	403S		
B116B	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
B117	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B117A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1 2	AL	18/A-733	04/A-732	09/A-732	403S		
B117B	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
B118	3'-0"	6'-10"	A	WD	9'-6"	7'-0"	SF-7 OPP.	AL	15/A-731	12/A-732	15/A-732	203		
B118A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1 2	AL	18/A-733	04/A-732	09/A-732	403		
B118B	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER 2

GLAZING SCHEDULE - AREA B - FIRST FLOOR

MARK	FRAME WIDTH	HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
B111	113'-10"	11'-10"	SF-20	ALUM	01/A-731	06/A-731	13/A-731	
B114B	12'-0"	6'-8"	SF-15	ALUM	01/A-731	06/A-731	11/A-731	2
B115	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
B116	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
B117	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
B118	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

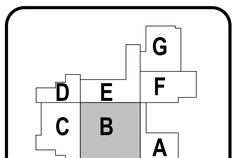
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA B

A-101B1

0" 1"

1ST LEVEL - SCHEDULES - AREA B
A-101B1

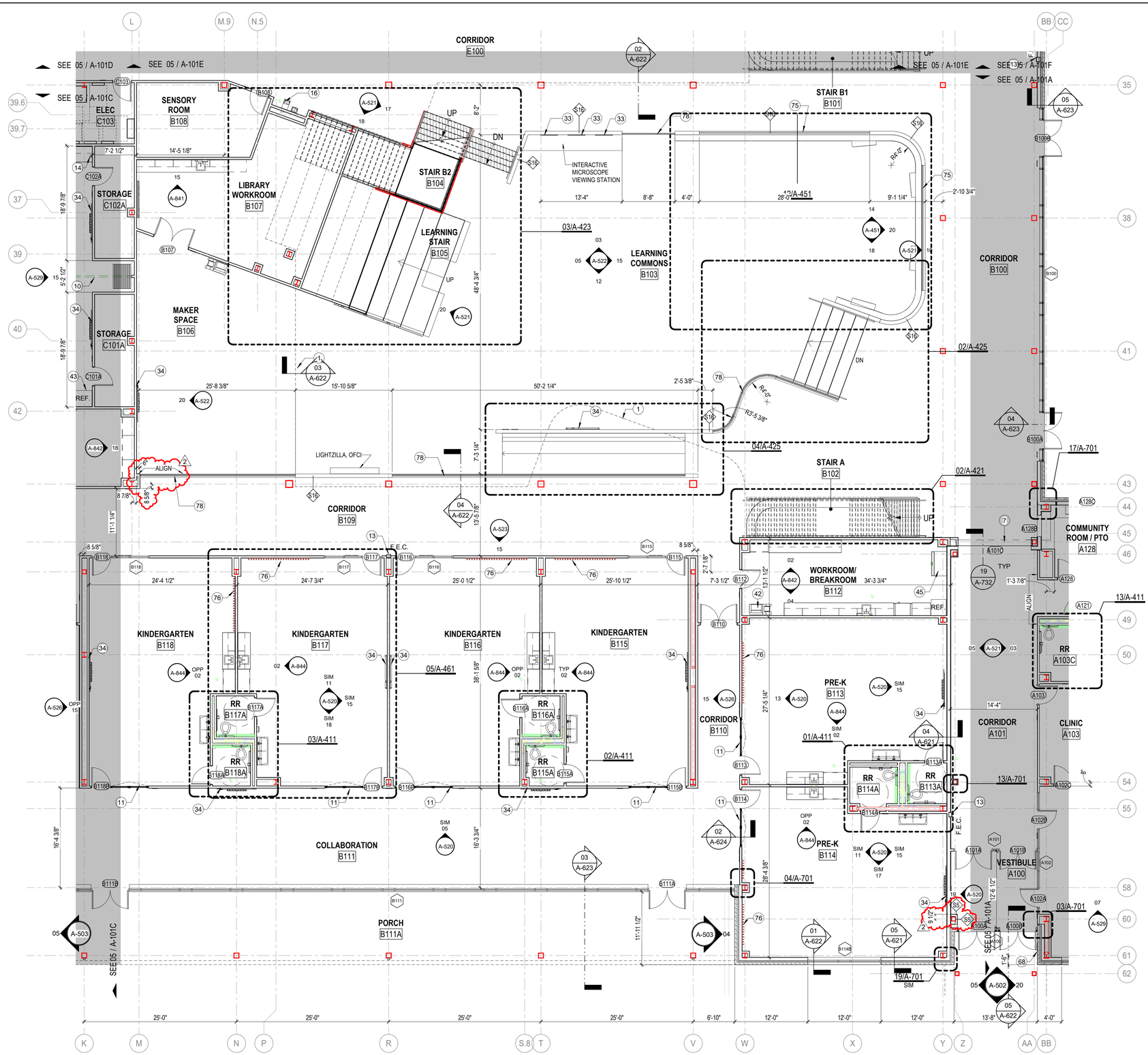
FOR BLUEBEAM LABELING/OCR:

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:08:56 PM

0"
1"

1ST LEVEL - FLOOR PLAN - AREA B
A-101B
FOR BLUEBEAM LABELING/OCR:



05 1ST LEVEL - FLOOR PLAN - AREA B
1/8" = 1'-0"

GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR STUD OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCH. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE S5 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE
12. PROVIDE AND INSTALL CONT. REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 6 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT
16. COORD. ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES
19. COORD. HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

KEYNOTE LEGEND

NUMBER	DESCRIPTION
1	LINE OF FLOOR ABOVE
7	MOTORIZED OVERHEAD COILING GRILLE
10	OPERABLE FOLDING PARTITION; RE:SPECS
11	OPERABLE GLASS PARTITION
13	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
14	WALL MOUNTED FIRE EXTINGUISHER
16	ELECTRIC DRINKING FOUNTAINS; RE: MEP
33	LCD MONITOR, OFCI
34	SMART PANEL, OFCI
42	FLOOR COPIER, OFCI
43	FULL HEIGHT REFRIGERATOR, OFCI
45	ICE MAKER, CFCI
68	KNOX BOX, VERIFY WITH FIRE MARSHALL
75	GUARDRAIL TYPE C, RE: 10/A426
76	BACKPACK HOOKS, 25 HOOKS TOTAL RE:SPECS
78	GUARDRAIL TYPE D, RE: 04/A426

PBK
ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.360.2323
BUILDING ENVELOPE
BEAM
T 713.940.3051

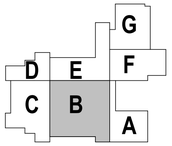
CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN
NORTH: PLAN TRUE





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

1ST LEVEL - FLOOR PLAN - AREA B

A-101B

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_JiKim.rvt
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/21/2022 10:37:43 AM

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

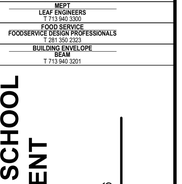
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA C

A-101C1

ROOM FINISH SCHEDULE

ROOM DATA №	ROOM DATA NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	WALL FINISHES EAST	WALL FINISHES SOUTH	WALL FINISHES WEST	CEILINGS FINISH	REMARKS
C100	CORRIDOR	TRZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C101	INNOVATION LAB	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
C101A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C102	INNOVATION LAB	LVT-2	RB-1	PT-1	PT-1	PT-1	5	CL-1	
C102A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C103	ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
C104	SRP	CPT-1	RB-1	VWC-1	WC-1	VWC-1	VWC-1	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C105	SPEECH THERAPY	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C106	DBC	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
C107	PASS	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
C108	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C109	KINDERGARTEN	CPT-1	RB-1	VWC-1	WC-2	VWC-1	WS-1	CL-1	LVT UNDER DRINKING FOUNTAIN TYP.; WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C109A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C110	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C111	KINDERGARTEN	CPT-1	RB-1	VWC-1	WC-2	VWC-1	WS-1	CL-1	LVT UNDER DRINKING FOUNTAIN TYP.; WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C111A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C112	ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
C114	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C115	STAIR C	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	WALK OFF CARPET AT EXTERIOR DOOR, RE: FINISH PLANS
C116	CUSTODIAL	SC-1	RB-1	FRP	FRP	FRP	FRP	-	
C117	STOR	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C118	ELEVATOR	LVT-2	RB-1	-	-	-	-	-	REFERENCE MANUFACTURER'S SPECIFICATIONS FOR ALL ELEVATOR FINISHES
C119	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C120	COLLABORATION	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
C120A	PORCH	-	RB-1	-	-	-	-	MC-1	
C121	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C122	FIRST GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C123	FIRST GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
C124	FIRST GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C125	FIRST GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C126	FIRST GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN, 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'C'

MARK	DOOR PANEL SIZE W x H W	DOOR PANEL SIZE W x H H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	DOOR FRAME SIZE W x H H	DOOR FRAME FRAME ELEVATION	DOOR FRAME FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C101	3'-0 3/4"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	701		
C101A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203S		
C101B	46'-0"	10'-0"	-		46'-0"	10'-0"	-	-	09/A-733	14/A-733	19/A-733	001		FOLDING PARTITION
C102	3'-0 3/4"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	701		
C102A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203S		
C103	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201		
C104	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C105	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C106	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C107	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103S		
C108	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	-	AL	18/A-733	04/A-732	15/A-732	700M		
C109	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C109A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	403		
C110	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
C111	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C111A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	403S		
C112	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201		
C113	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	12/A-732	17/A-732	C201C	2HR	1
C114	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
C115	6'-0"	6'-10"	D	AL	7'-1 1/2"	30'-0"	CW-3	AL	10/A-731	9/A-731	17/A-722	CW714AM		1
C115A	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	738P	1HR	
C116	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201	1HR	2
C117	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C118	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201C	1HR	
C119	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
C120A	6'-2"	6'-10"	D	AL	81'-6"	11'-10"	SF-19	AL	10/A-731	06/A-731	15/A-732	CW714AM		1
C120B	6'-2"	6'-10"	D	AL	81'-6"	11'-10"	SF-19	AL	10/A-731	06/A-731	15/A-732	CW714AM		1
C121	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	-	AL	18/A-733	04/A-732	09/A-732	241		
C122	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C123	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C124	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
C124A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C125	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
C125A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C126	3'-0"	6'-10"	A	WD	9'-6"	7'-0"	SF-7 OPP	AL	15/A-731	12/A-732	15/A-732	203		
C126A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER 2

GLAZING SCHEDULE - AREA C - FIRST FLOOR

MARK	FRAME WIDTH	FRAME HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C101	10'-2 1/2"	7'-0"	SF-7	ALUM	14/A-732	12/A-732 SIM	17/A-732	
C101B	3'-10 1/2"	7'-0"	SF-8	ALUM	14/A-732	-	17/A-732	
C101C	22'-0"	7'-0"	SF-9	ALUM	14/A-732	-	17/A-732	
C102	10'-2 1/2"	7'-0"	SF-7	ALUM	14/A-732	12/A-732 SIM	17/A-732	
C102B	3'-8 1/4"	7'-0"	SF-8	ALUM	14/A-732	-	17/A-732	
C109	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2
C115A	6'-4 1/2"	29'-6"	CW-3	ALUM	10/A-731	06/A-731	17/A-722	
C115B	12'-3 1/2"	26'-4 1/2"	CW-5	ALUM	04/A-731	09/A-731	14/A-731	
C120	81'-6"	11'-10"	SF-19	ALUM	05/A-731	06/A-731	13/A-731	
C122	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2
C123	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2
C124	9'-6"	7'-0"	SF-3	ALUM	14/A-732	12/A-732	17/A-732	
C125	9'-6"	7'-0"	SF-3	ALUM	14/A-732	12/A-732	17/A-732	
C126	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

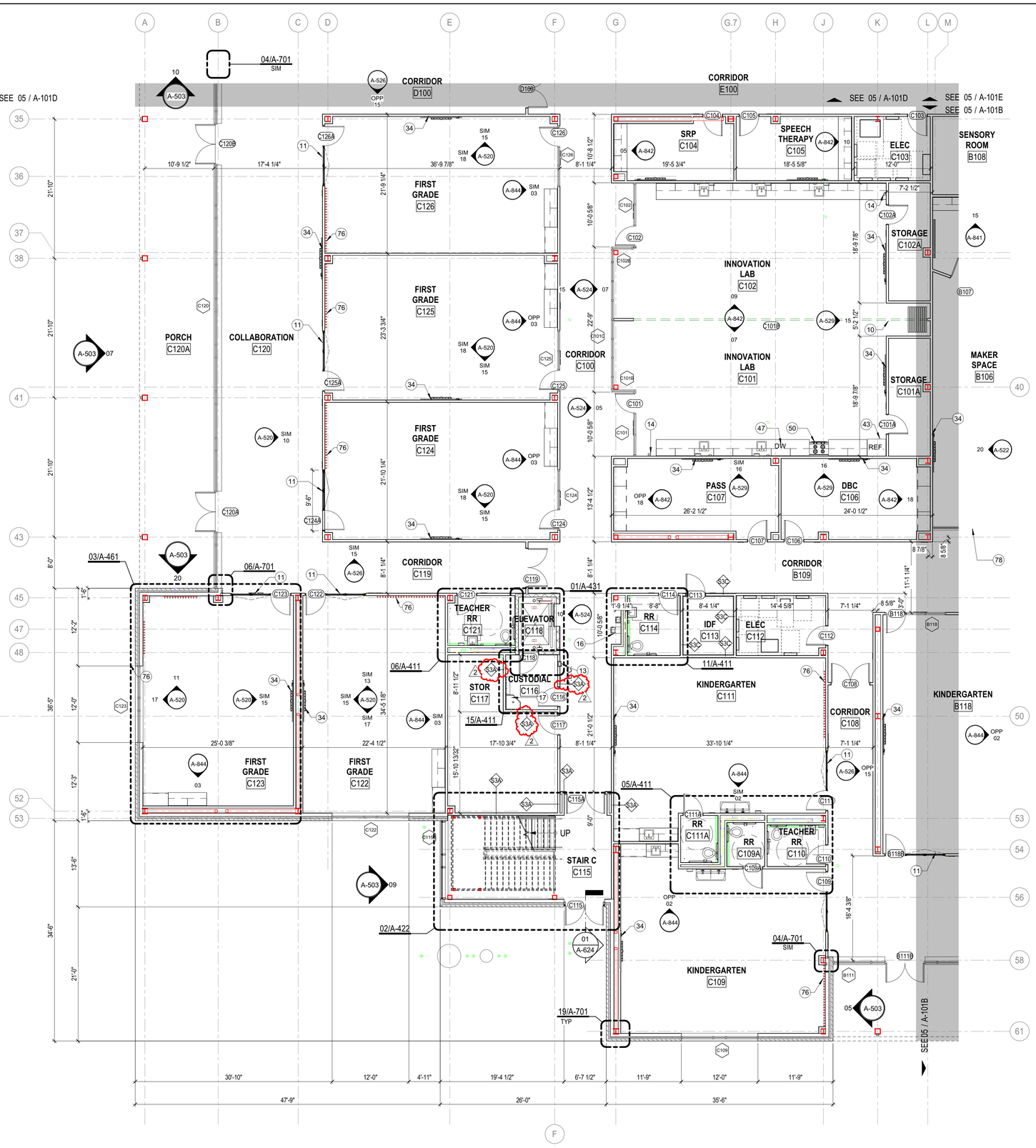
0" 1"

1ST LEVEL - SCHEDULES - AREA C
A-101C1

FOR BLUEBEAM LABELING/OCR:

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:11 PM



GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR STUD OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCH. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE S5 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE
12. PROVIDE AND INSTALL CONT. REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 6 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT
16. COORD. ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES
19. COORD. HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

KEYNOTE LEGEND

NUMBER	DESCRIPTION
10	OPERABLE FOLDING PARTITION; RE:SPECS
11	OPERABLE GLASS PARTITION
13	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
14	WALL MOUNTED FIRE EXTINGUISHER
16	ELECTRIC DRINKING FOUNTAINS; RE: MEP
17	UTILITY MOP SINK; RE: PLUMBIMG
34	SMART PANEL, OFCI
43	FULL HEIGHT REFRIGERATOR, OFCI
47	UNDERCOUNTER DISHWASHER, OFCI
50	RANGE, CFCI
76	BACKPACK HOOKS, 25 HOOKS TOTAL RE:SPECS
78	GUARDRAIL TYPE D, RE: 04/A426

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN

NORTH: PLAN TRUE

REGISTERED ARCHITECT · MELISSA TURNBOUGH · 21778 · STATE OF TEXAS

Dec 17, 2021

CLIENT
FRIENDSWOOD ISD

DATE
DECEMBER 17, 2021

PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

1ST LEVEL - FLOOR PLAN - AREA C

A-101C

05 1ST LEVEL - FLOOR PLAN - AREA C
1/8" = 1'-0"

0" 1"

1ST LEVEL - FLOOR PLAN - AREA C
A-101C
FOR BLUEBEAM LABELING/OCR:

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:09:20 PM

ROOM FINISH SCHEDULE

ROOM DATA №	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	CEILINGS FINISH	REMARKS
D100	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D101	FIRST GRADE	CPT-1	RB-1	VWC-1	WS-1	VWC-2	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
D102	FIRST GRADE	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
D103	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D104	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D105	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D106	STAIR E	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D107	ECSC	LVT-1	RB-1	VWC-1	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
D108	ECSC	LVT-1	RB-1	VWC-1	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
D109	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D110	LIFE SKILLS	LVT-1	RB-1	VWC-1	VWC-2	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
D110A	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	
D110B	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D111	RESOURCE	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
D112	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D113	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D114	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2,
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1 ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2 ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3 PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-38; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7652; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'D'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
D100	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1 2	AL	18/A-733	04/A-732	15/A-732	700M		
D101	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	1	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
D102	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	1	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
D103	3'-0"	6'-10"	A	WD	3'-4"	7'-0"		AL	18/A-733	04/A-732	09/A-732	203		
D106	6'-0"	6'-10"	D	AL	7'-4 1/2"	30'-0"	CW-4	AL	10/A-731	9/A-731	17/A-722	CW714AM		1
D106A	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	738R	1HR	
D107	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	18/A-733	12/A-732	15/A-732	203		
D108	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	18/A-733	12/A-732	15/A-732	203		
D109A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	341		
D109B	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	341		
D110	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	18/A-733	12/A-732	15/A-732	203		
D110A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	303		
D110B	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
D112	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
D113	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
D114	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
E102B	6'-2"	6'-10"	D	AL	114'-0"	11'-10"	SF-20	AL	10/A-731	06/A-731	15/A-732	CW714AM		1

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER 2

GLAZING SCHEDULE - AREA D - FIRST FLOOR

MARK	FRAME WIDTH	HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
D101B	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2
D102B	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2
D106	12'-3 1/2"	26'-1 3/4"	CW-6	ALUM	04/A-731	09/A-731	14/A-731	
D106A	6'-4 1/2"	29'-6"	CW-4	ALUM	05/A-731	06/A-731	17/A-722	
D107	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
D108	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
D110	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
D110B	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	06/A-731	11/A-731	2

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

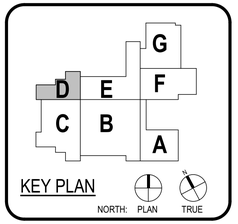
PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL DIG ENGINEERS T 713 940 3238
STRUCTURAL KUBALA ENGINEERS T 800 248 3674
MEP/T LEAF ENGINEERS T 713 940 3300
FOOD SERVICE FOODSERVICE DESIGN PROFESSIONALS T 281 360 2323
BUILDING ENVELOPE/ BEAM T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA D

A-101D1

0" 1"

1ST LEVEL - SCHEDULES - AREA D
A-101D1

FOR BLUEBEAM LABELING/OCR:

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dmunezpbk.rvt

File Path:

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:24 PM

ROOM FINISH SCHEDULE

ROOM DATA №	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	CEILINGS FINISH	REMARKS
E100	CORRIDOR	TRZ-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
E101	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
E102	COLLABORATION	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
E102A	PORCH	-	RB-1	-	-	-	-	MC-1	
E103	SECOND GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
E104	SECOND GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
E105	SECOND GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
E106	SECOND GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
E107	SECOND GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
E108	SECOND GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
E109	SECOND GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
E110	ART	LVT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
E110A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
E110B	KILN	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
E111	MUSIC	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-1	CL-1	REFERENCE ELEVATIONS FOR ACOUSTIC WALL PANEL LOCATIONS
E111A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1 ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2 ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3 PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'E'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
D111	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
E101	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
E102A	6'-2"	6'-10"	D	AL	114'-0"	11'-10"	SF-20	AL	10/A-731	06/A-731	15/A-732	CW714AM		1
E103	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E104	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E105	3'-0 1/8"	6'-10"	A	WD	5'-4"	7'-0"	SF-11	AL	18/A-733	12/A-732	15/A-732	203		
E106	3'-0"	6'-10"	A	WD	9'-6"	7'-0"	SF-7 OPP 2	AL	15/A-731	12/A-732	15/A-732	203		
E106A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E107	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7 2	AL	15/A-731	12/A-732	15/A-732	203		
E107A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E108	3'-0"	6'-10"	A	WD	9'-6"	7'-0"	SF-7 OPP 2	AL	15/A-731	12/A-732	15/A-732	203		
E108A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E109	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7 2	AL	15/A-731	12/A-732	15/A-732	203		
E109A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	- 2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E110	3'-0"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E110A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
E110B	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
E110C	3'-0"	6'-10"	A	HM	3'-4"	7'-0"	1	AL	10/A-731	06/A-731 SIM	17/A-731	CW205		1
E111	3'-0"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203G		
E111A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER

GLAZING SCHEDULE - AREA E - FIRST FLOOR

MARK	FRAME WIDTH	HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
E102B	114'-0"	11'-10"	SF-20	ALUM	01/A-731	06/A-731	13/A-731	
E105	5'-4"	7'-0"	SF-11	ALUM	14/A-732	12/A-732	17/A-732	
E105B	10'-10"	6'-8"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	2
E106	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E107	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E108	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E109	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E110	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E110B	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	2
E111	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	17/A-732	
E111B	12'-0"	6'-8"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

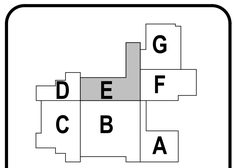
PBK
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL: DIG ENGINEERS T 713 940 3238
STRUCTURAL: KUBALA ENGINEERS T 800 248 3674
MEP/T: LEAF ENGINEERS T 713 940 3300
FOOD SERVICE: FOODSERVICE DESIGN PROFESSIONALS T 281 360 2323
BUILDING ENVELOPE: BEAM T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA E

A-101E1

1ST LEVEL - SCHEDULES - AREA E
A-101E1

FOR BLUEBEAM LABELING/OCR:

C:_Revit.local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

File Path:

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:24 PM

ROOM FINISH SCHEDULE

ROOM DATA		FLOOR	BASE	WALL FINISHES				CEILINGS	
№	NAME	FINISH	FINISH	NORTH	EAST	SOUTH	WEST	FINISH	REMARKS
F100	CORRIDOR	TRZ-1	RB-1					CL-1	
F101	CAFETERIA	TRZ-1	RB-1					CL-1	WT-2 ON EAST WALL AS SHOWN ON INTERIOR ELEVATION
F102	CHAIR STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
F103	IDF	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
F104	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	
F105	KITCHEN	EPF-1	EB-1	PT-1	PT-1	PT-1	PT-1	CL-2	
F105A	COOLER / FREEZER	-	-	PT-1	PT-1	PT-1	PT-1	-	CONCRETE BROOM FINISH
F105B	SERVING LINE	TRZ-3	RB-1	WT-6	WT-6	WT-6	WT-6	CL-2	REFER TO INTERIOR ELEVATIONS
F106	WAREWASH	EPF-1	EB-1	PT-1	PT-1	PT-1	PT-1	CL-2	
F107	DRY STORAGE	EPF-1	EB-1	PT-1	PT-1	PT-1	PT-1	CL-2	
F108	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-2	
F109	LOCKER ROOM	EPF-1	EB-1	PT-1	PT-1	PT-1	PT-1	CL-2	
F110	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	
F111	CUSTODIAL	SC-1	RB-1	W4	PT-1	PT-1	W4	-	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT)
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'F'

	DOOR PANEL				DOOR FRAME				DETAILS					
	SIZE W x H		DOOR		SIZE W x H		FRAME	FRAME					FIRE RATING	
MARK	W	H	ELEVATION	DOOR MATERIAL	W	H	ELEVATION	MATERIAL	SILL	JAMB	HEAD	H.W.	LABEL	REMARKS
F100A	6'-0"	6'-10"	D	AL	6'-4"	10'-0"	CW-9	AL	10/A-731	16/A-731 SIM	16/A-731	CW714AM		1
F100C	12'-0"	12'-0"	F	STL	12'-0"	12'-0"	-	STL	04/A-733	20/A-732	19/A-732	002	2HR	
F101	51'-0"	15'-0"	-		51'-0"	15'-0"	-		13/A-733	14/A-733	13/A-751	001		MOTORIZED FOLDING PARTITION
F101A	6'-0"	6'-10"	D	WD	9'-0"	10'-0"	SF-10	HM	15/A-731	01/A-732	06/A-732	700CM		
F101B	6'-0"	6'-10"	D	WD	10'-0"	10'-0"	SF-10	HM	15/A-731	05/A-732	15/A-732	700CM		
F101C	6'-0"	6'-10"	D	AL	56'-0"	12'-0"	CW-7	AL	10/A-731	16/A-731 SIM	16/A-731	W714AM		
F101D	6'-0"	6'-10"	D	AL	56'-0"	12'-0"	CW-7	AL	10/A-731	16/A-731 SIM	16/A-731	CW714AM		1
F101E	6'-0"	7'-0"	D	AL	10'-1 1/2"	10'-0"	CW-8	AL	10/A-731	16/A-731 SIM	16/A-731	CW714AM		1
F102	6'-0"	6'-10"	C	WD	6'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	212S		
F103	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	C201	2HR	1
F104	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	801		
F105A	2'-11 1/2"	6'-10"	B	WD	16'-0"	10'-0"	SF-23	HM	15/A-731	05/A-732	15/A-732	203		
F105B	12'-0"	9'-8"	F	STL	12'-0"	9'-8"	-	STL	04/A-733	11/A-732	16/A-732	002		
F105C	3'-0 1/4"	6'-10"	B	WD	16'-0"	10'-0"	SF-23 OPP.	HM	15/A-731	05/A-732	15/A-732	203		
F105D	4'-0"	6'-10"	E	HM	3'-4"	7'-0"	1	HM	10/A-731	01/A-732	06/A-732	CW205		1
F106	3'-0"	4'-0"	H	STL	3'-0"	4'-0"	-	STL	05/A-733	-	-	001		ROLL UP WINDOW. RE: SPEC 11 40 00
F107	4'-0"	6'-10"	E	WD	3'-4"	7'-0"	1	HM	18/A-733	03/A-732	08/A-732	203		
F108	3'-0"	6'-10"	E	WD	3'-4"	7'-0"	1	HM	18/A-733	03/A-732	08/A-732	103		
F110	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	03/A-732	08/A-732	303		
F111	3'-0"	6'-10"	E	WD	3'-4"	7'-0"	1	HM	18/A-733	03/A-732	08/A-732	203		

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER

GLAZING SCHEDULE - AREA F - FIRST FLOOR

	FRAME				DETAILS			
MARK	WIDTH	HEIGHT	ELEVATION	FRAME MATERIAL	SILL	JAMB	HEAD	REMARKS
F101A	8'-11 1/2"	10'-0"	SF-10	ALUM	14/A-732	05/A-732	10/A-732	
F101B	10'-0"	10'-0"	SF-10	ALUM	14/A-732	05/A-732	10/A-732	
F101C	56'-0"	12'-0"	CW-7	ALUM	05/A-731	09/A-731	19/A-731	
F101E	10'-1 1/2"	10'-0"	CW-8	ALUM	05/A-731	09/A-731	19/A-731	
F101H	10'-0"	3'-4"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	
F101I	18'-0"	3'-4"	SF-16	ALUM	01/A-731	07/A-731	13/A-731	
F101J	18'-0"	3'-4"	SF-16 SIM	ALUM	01/A-731	07/A-731	13/A-731	
F101K	10'-0"	3'-4"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	
F105A	16'-0"	10'-0"	SF-23	ALUM	14/A-732	05/A-732 SIM	17/A-732	
F105C	16'-0"	10'-0"	SF-3	ALUM	14/A-732	05/A-732 SIM	17/A-732	
F108	3'-4"	4'-0"	SF-13 SIM	H.M.	10/A-732 SIM	05/A-732 SIM	10/A-732 SIM	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

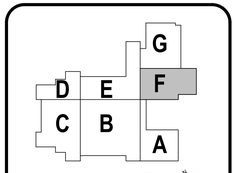
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3874
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAN
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA F

A-101F1

1ST LEVEL - SCHEDULES - AREA F
A-101F1

FOR BLUEBEAM LABELING/OCR:

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

File Path:

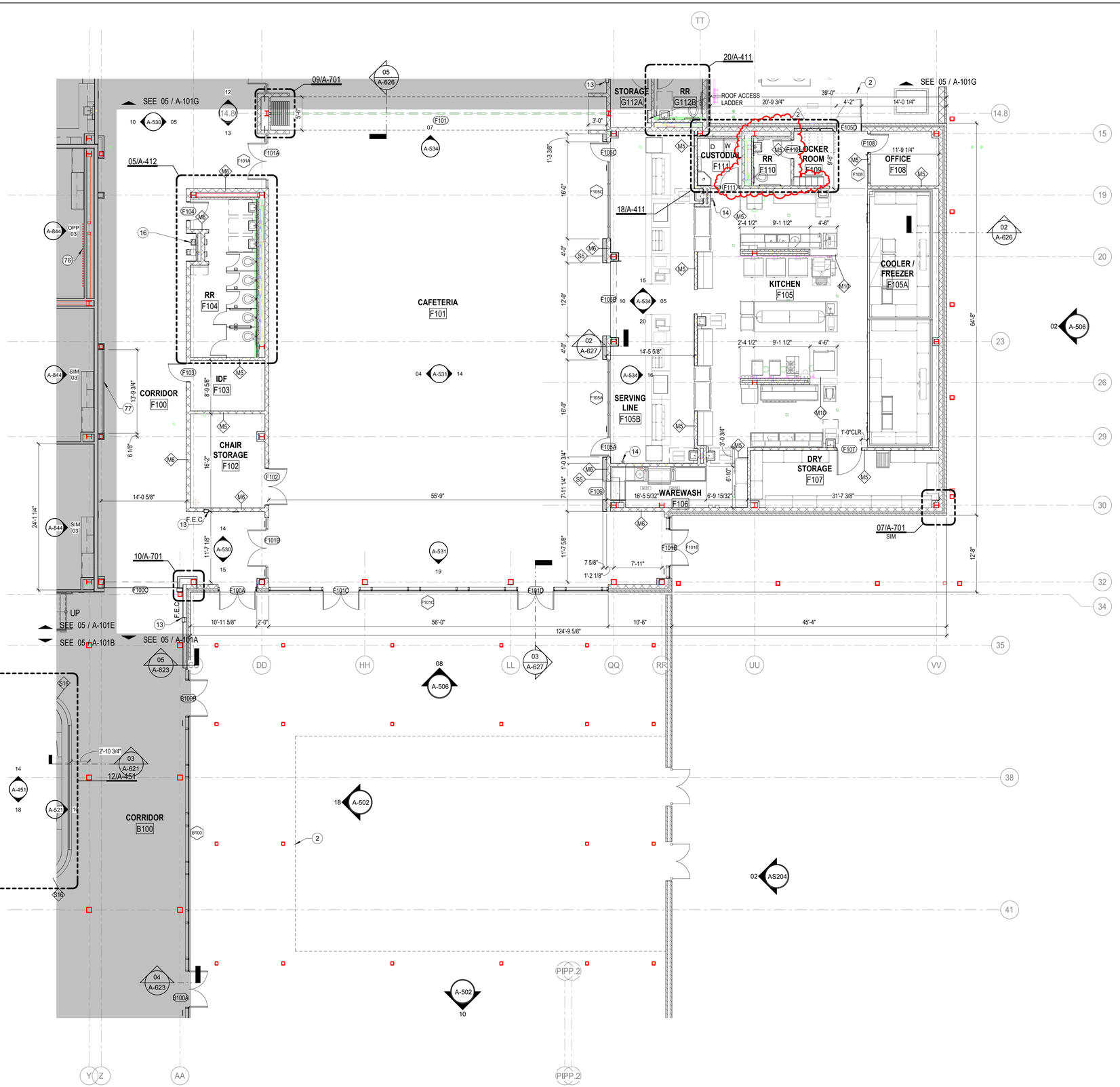
CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:29 PM

0"
1"

1ST LEVEL - FLOOR PLAN - AREA F

A-101F

FOR BLUEBEAM LABELING/OCR:



GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR STUD OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCH. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE S5 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE
12. PROVIDE AND INSTALL CONT. REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 6 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT
16. COORD. ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES
19. COORD. HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED
20. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS U.N.O.
21. ALL FLOOR FINISH MATERIAL CHANGES SHALL HAVE REDUCER STRIPS
22. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED
23. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS
24. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK

KEYNOTE LEGEND

NUMBER	DESCRIPTION
2	LINE OF ROOF OR CANOPY ABOVE
13	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
14	WALL MOUNTED FIRE EXTINGUISHER
16	ELECTRIC DRINKING FOUNTAINS; RE: MEP
76	BACKPACK HOOKS, 25 HOOKS TOTAL RE:SPECS
77	DISPLAY CASE, RE: 09/A844

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN

NORTH: PLAN TRUE

REGISTERED ARCHITECT · MELISSA TURNBOUGH · 21778 · STATE OF TEXAS

Melissa Turnbough

Dec.17.2021

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

1ST LEVEL - FLOOR PLAN - AREA F

A-101F

05 1ST LEVEL - FLOOR PLAN - AREA F
1/8" = 1'-0"

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:09:39 PM

ROOM FINISH SCHEDULE

ROOM DATA		FLOOR	BASE	WALL FINISHES				CEILINGS	
№	NAME	FINISH	FINISH	NORTH	EAST	SOUTH	WEST	FINISH	REMARKS
G100	GYM	AF-1 & AF-2	RB-1	BB-1				AB-1	REFER TO RCP FOR AB-1 SPACING
G101	STAGE	WD-2	RB-1					-	EXPOSED STRUCTURE - PAINT
G102	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	
G103	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	
G104	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	
G105	PE OFFICE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
G106	RAMP	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
G107	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
G108	FIRE RISER RM	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	EXPOSED STRUCTURE - PAINT
G109	PE STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
G110	MAIN ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	EXPOSED STRUCTURE - PAINT
G111	BOILER	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	EXPOSED STRUCTURE - PAINT
G112	CUSTODIAL OFFICE / STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
G112A	STORAGE	SC-1	RB-1	PT-1	W1	PT-1	PT-1	CL-1	
G112B	RR	EPF-1	EB-1	W1	W1	W1	W1	CL-3	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2,
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - FIRST FLOOR AREA 'G'

MARK	DOOR PANEL SIZE W x H W	DOOR PANEL SIZE W x H H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	DOOR FRAME SIZE W x H H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
F100B	6'-0"	6'-10"	D	AL	13'-11"	10'-0"	-	AL	10/A-731	06/A-731	11/A-731 SIM	CW714AM		1
G100A	6'-0"	6'-10"	D	WD	9'-0"	10'-0"	SF-10	HM	15/A-731	05/A-732	15/A-732	700CM		
G100B	6'-0"	6'-10"	D	AL	6'-4"	7'-0"	1	AL	15/A-731	01/A-732	06/A-732	CW714AM		1
G101	25'-0"	10'-8"	H	STL	25'-0"	10'-8"	-	STL	-	11/A-732	16/A-732	002		MOTORIZED OVERHEAD COILING DOOR
G102	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	801		
G103	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	241		
G104	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	241		
G105	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	103S		
G107	6'-0"	6'-10"	C	WD	6'-4"	7'-0"	1	HM	18/A-733	02/A-732	07/A-732	212S		
G108	6'-0"	6'-10"	C	HM	6'-4"	7'-0"	1	HM	10/A-731 SIM	01/A-732	06/A-732	W214		
G109	6'-0"	6'-10"	C	WD	6'-4"	7'-0"	1	AL	18/A-733	02/A-732	07/A-732	212		
G110	6'-0"	6'-10"	C	HM	6'-4"	7'-0"	1	HM	18/A-733	01/A-732	06/A-732	W714M		
G111A	4'-0"	6'-10"	C	HM	3'-4"	7'-0"	1	HM	18/A-733	01/A-732	06/A-732	W715		
G111B	3'-0"	6'-10"	A	HM	3'-4"	7'-0"	1	HM	18/A-733	03/A-732	08/A-732	401	1HR	
G112	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	02/A-732	07/A-732	203		
G112A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	03/A-732	08/A-732	203		
G112B	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	03/A-732	08/A-732	303		
G112C	3'-0"	6'-10"	A	HM	3'-4"	7'-0"	1	HM	18/A-733	01/A-732	06/A-732	CW205		1

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER

GLAZING SCHEDULE - AREA G - FIRST FLOOR

MARK	FRAME WIDTH	FRAME HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
F100B	13'-11"	10'-0"	SF-22	ALUM	10/A-731	06/A-731	08/A-722	
G100	15'-11 1/2"	3'-4"	SF-16 SIM	ALUM	01/A-731	07/A-731	13/A-731	
G100A	9'-0"	10'-0"	SF-10	H.M.	14/A-732	05/A-732	17/A-732	
G100B	16'-0"	3'-4"	SF-16 SIM	ALUM	01/A-731	07/A-731	13/A-731	
G100C	11'-0"	3'-4"	SF-14 SIM	ALUM	01/A-731	07/A-731	13/A-731	
G105	5'-0"	4'-0"	SF-13 SIM	H.M.	10/A-732 SIM	05/A-732 SIM	10/A-732 SIM	2

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

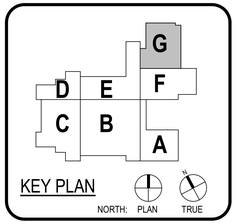
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3874
MEPT
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

1ST LEVEL - SCHEDULES - AREA G

A-101G1

1ST LEVEL - SCHEDULES - AREA G
A-101G1

FOR BLUEBEAM LABELING/OCR:

0"
1"

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

File Path:

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:44 PM

PBK

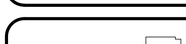
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP2
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 360 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - SCHEDULES - AREA B

A-102B1

ROOM FINISH SCHEDULE

ROOM DATA №	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	CEILINGS FINISH	REMARKS
B200	CORRIDOR	CPT-5	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B201	CORRIDOR	CPT-5	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	
B202	CORRIDOR	CPT-6	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
B203	COLLABORATION	CPT-5	RB-1	W3	PT-1	5	PT-1	MC-1	
B203A	BALCONY	-	-	-	-	-	-	MC-1	
B204	GIFTED AND TALENTED	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
B205	FIFTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
B206	FIFTH GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
B207	FIFTH GRADE	CPT-1	RB-1	VWC-1	WS-1	VWC-2	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
B208	FIFTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
B209	FIFTH GRADE	CPT-1	RB-1	VWC-1	WS-1	VWC-2	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
B210	FIFTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - SECOND FLOOR AREA 'B'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
B202	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
B203A	6'-0"	7'-0 1/2"	D	AL	113'-10"	15'-0"	CW-11	AL	10/A-731	06/A-731	15/A-732	W714AI		
B204	3'-0"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B205	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
B206	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
B207	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B207A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
B208	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B208A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-731	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
B209	3'-0"	6'-9 3/4"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B209A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
B210	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
B210A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
C201	3'-0"	6'-10"	B	AL	6'-2"	7'-0"	2	AL	15/A-731	12/A-732	17/A-732	701		
C202	3'-0"	6'-10"	B	AL	9'-1"	7'-0"	2	AL	15/A-731	12/A-732	15/A-732	203		
C210	3'-0"	6'-9 3/4"	A	WD	6'-2"	7'-0"	2	AL	15/A-731	12/A-732	17/A-732	701		

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER 2

GLAZING SCHEDULE - AREA B - SECOND FLOOR

MARK	FRAME WIDTH	HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
B103	71'-1 1/2"	9'-7"	SF-18	ALUM	01/A-731	07/A-731		
B203	113'-10"	15'-0"	CW-11	ALUM	04/A-731	09/A-731	18/A-731	
B204	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
B204B	10'-0"	4'-8"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	
B205B	12'-0"	4'-8"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	
B206B	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	07/A-731	13/A-731	2
B207	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
B208	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
B209	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
B210	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
C201	6'-2 1/2"	7'-0"	SF-11	ALUM	14/A-732	12/A-732 SIM	18/A-732	
C202	9'-1"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
C210	6'-2 1/2"	7'-0"	SF-11	ALUM	14/A-732	12/A-732 SIM	18/A-732	
C210B	29'-11 3/4"	7'-0"	SF-12	ALUM	13/A-732	18/A-732 SIM	18/A-732	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

0" 1"

2ND LEVEL - SCHEDULES - AREA B
A-102B1

FOR BLUEBEAM LABELING/OCR:

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

File Path:

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:09:59 PM

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

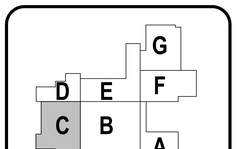
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - SCHEDULES - AREA C

A-102C1

ROOM FINISH SCHEDULE

ROOM DATA №	ROOM DATA NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	WALL FINISHES EAST	WALL FINISHES SOUTH	WALL FINISHES WEST	CEILINGS FINISH	REMARKS
C200	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	REFER TO CEILING PLAN FOR CL-1
C201	INNOVATION LAB	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-6	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C201A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C202	BROADCAST STUDIO	CPT-1	RB-1	PT-1	PT-6	PT-1	PT-6	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
C203	A/V BOOTH	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C204	IDF	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	1 HR. RATED; RATED PLYWOOD ON ALL WALLS
C205	SRP	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
C206	RESOURCE	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
C207	DIAG	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
C208	LSSP	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
C209	ASSISTANT PRINCIPAL	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C210	INNOVATION LAB	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-6	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C210A	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C211	ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
C212	CORRIDOR	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C213	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C214	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C215	FIFTH GRADE	CPT-1	RB-1	VWC-1	VWC-2	VWC-1	WS-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
C216	MOTOR LAB	LVT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
C217	OT / PT	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C218	COMPUTER TECH. STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C219	LITERACY LIBRARY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C220	IDF	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	1 HR. RATED; RATED PLYWOOD ON ALL WALLS
C221	STAIR D	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C223	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C224	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C225	ELEVATOR	SC-1	RB-1	-	-	-	-	-	REFERENCE MANUFACTURER'S SPECIFICATIONS FOR ALL ELEVATOR FINISHES
C226	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
C227	CORRIDOR	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
C228	COLLABORATION	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	
C228A	BALCONY	-	RB-1	-	-	-	-	MC-1	
C229	FOURTH GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
C230	FOURTH GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
C231	FOURTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C232	FOURTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
C233	FOURTH GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
D203A	CUSTODIAL	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT)
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)	
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)	
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.	
ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-38; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - SECOND FLOOR AREA 'C'

MARK	DOOR PANEL SIZE W x H W	DOOR PANEL SIZE W x H H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	DOOR FRAME SIZE W x H H	DOOR FRAME ELEVATION	DOOR FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
B203B	6'-2 1/2"	7'-0 1/2"	D	AL	113'-10"	15'-0"	CW-11	AL	10/A-731	06/A-731	15/A-732	W714AI		
C201A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C203	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	503		
C204	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201	2HR	
C205	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C206	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C207	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C208	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C209	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C210A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C210B	46'-0"	10'-0"	-		46'-0"	10'-0"	-	-	09/A-733	14/A-733	19/A-733	001		MOTORIZED FOLDING PARTITION
C211	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201		
C212	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
C213	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
C214	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C215	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-15 SIM	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
C216	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C217	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
C218	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C219	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
C220	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	C201	2HR	1
C221	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	738R	1HR	
C226	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
C227	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
C228A	6'-2 1/2"	7'-0 1/2"	D	AL	81'-6"	15'-0"	CW-10	AL	10/A-731	06/A-731	15/A-732	W714AI		
C228B	6'-2 1/2"	7'-0 1/2"	D	AL	81'-6"	15'-0"	CW-10	AL	10/A-731	06/A-731	15/A-732	W714AI		
C229	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
C230	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
C231	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
C231A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
C232	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
C232A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13
C233	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
C233A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER

GLAZING SCHEDULE - AREA C - SECOND FLOOR

MARK	FRAME WIDTH	FRAME HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C215	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	07/A-731	13/A-731	2
C228	81'-6"	15'-0"	CW-10	ALUM	04/A-731	09/A-731	18/A-731	
C229	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	07/A-731	13/A-731	2
C230	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	08/A-731	13/A-731	2
C231	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
C232	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
C233	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

0"
1"

2ND LEVEL - SCHEDULES - AREA C
A-102C1

FOR BLUEBEAM LABELING/OCR:

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunez.rvt - **File Path**

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:10:05 PM

ROOM FINISH SCHEDULE

ROOM DATA		FLOOR	BASE	WALL FINISHES				CEILINGS	
№	NAME	FINISH	FINISH	NORTH	EAST	SOUTH	WEST	FINISH	REMARKS
D200	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D201	FOURTH GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
D202	FOURTH GRADE	CPT-1	RB-1	VWC-1	VWC-1	VWC-2	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
D203	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D204	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D205	RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D206	STAIR D	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D207	SPEECH THERAPY	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
D208	ESL	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
D209	MATH COACH	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
D210	LITERACY COACH	CPT-1	RB-1	VWC-1	VWC-1	VWC-1	VWC-1	CL-1	
D211	TEACHER WORKROOM	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D212	THIRD GRADE	CPT-1	RB-1	VWC-1	VWC-2	WS-1	VWC-1	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
D213	ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
D214	CORRIDOR	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
D215	TEACHER RR	EPF-1	EB-1	WT-1	WT-1	WT-1	WT-1	CL-3	REFERENCE RESTROOM ELEVATIONS FOR TILE LOCATIONS TYP.
D216	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - SECOND FLOOR AREA 'D'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
D200	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
D201	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
D202	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	15/A-732	001		
D203	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	-	AL	18/A-733	04/A-732	09/A-732	203		
D203A	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
D206	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	738R	1HR	
D207	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
D208	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
D209	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	08/A-732	103		
D210	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	103		
D211	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	-	AL	18/A-733	04/A-732	09/A-732	503		
D212	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	-	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
D213	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	201		
D214	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
D215	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	241		
D216	3'-0"	6'-10"	A	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203		
E202B	6'-0"	6'-10"	D	AL	114'-0"	15'-0"	CW-11	AL	10/A-731	06/A-731	15/A-732	W714AI		

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER

GLAZING SCHEDULE - AREA D - SECOND FLOOR

MARK	FRAME WIDTH	FRAME HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
D201	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	08/A-731	13/A-731	2
D202	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	08/A-731	13/A-731	2
D212B	12'-0"	6'-8"	SF-15 SIM	ALUM	03/7-731	08/A-731	13/A-731	2

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

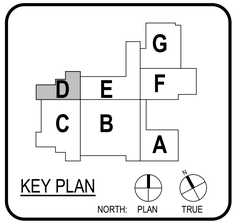
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 350 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - SCHEDULES - AREA D

A-102D1

2ND LEVEL - SCHEDULES - AREA D
A-102D1

FOR BLUEBEAM LABELING/OCR:

C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

File Path:

CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:10:10 PM

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

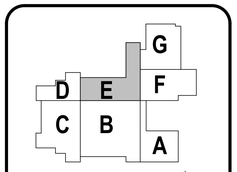
CIVIL
DIG ENGINEERS
T 713 940 3238
STRUCTURAL
KUBALA ENGINEERS
T 800 248 3674
MEP/T
LEAF ENGINEERS
T 713 940 3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281 360 2323
BUILDING ENVELOPE
BEAM
T 713 940 3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP







CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

BUILDING NUMBER

2ND LEVEL - SCHEDULES - AREA E

A-102E1

ROOM FINISH SCHEDULE

ROOM DATA №	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES NORTH	EAST	SOUTH	WEST	CEILINGS FINISH	REMARKS
E200	CORRIDOR	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	MC-1	
E201	CORRIDOR	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	CL-1	
E202	COLLABORATION	CPT-1	RB-1	-	PT-1	PT-1	PT-1	MC-1	REFER TO FINISH PLAN FOR FLOORING PATTERNS
E202A	BALCONY	-	-	-	-	-	-	MC-1	
E203	LEARNING STUDIO	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
E204	THIRD GRADE	CPT-1	RB-1	WS-1	VWC-1	VWC-1	VWC-2	CL-1	WS-1 ON NORTH WALL FROM FLOOR TO 7'A.F.F.
E205	THIRD GRADE	CPT-1	RB-1	VWC-1	VWC-1	WS-1	VWC-2	CL-1	WS-1 ON SOUTH WALL FROM FLOOR TO 7'A.F.F.
E206	THIRD GRADE	CPT-1	RB-1	VWC-2	WS-1	VWC-1	VWC-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
E207	THIRD GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.
E208	THIRD GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON EAST WALL FROM FLOOR TO 7'A.F.F.
E209	THIRD GRADE	CPT-1	RB-1	VWC-2	VWC-1	VWC-1	WS-1	CL-1	WS-1 ON WEST WALL FROM FLOOR TO 7'A.F.F.

MATERIAL FINISH SCHEDULE

FLOORS:

LUXURY VINYL TILE	LVT-1	PATCRAFT; LINOCUT; MIRROR; 9"X36" (CLINIC, ISOLATION ROOM, OFFICES, MOTHERS ROOM, ART, LIFE SKILLS, ECSC & COACH OFFICE)
	LVT-2	(INNOVATION LAB, LIBRARY WORKROOM, MAKERSPACE)
	LVT-3	ALTERNATE #3, IN LIEU OF TRZ-1, MOHAWK MATUTO STONE FROST BITE STONE
	LVT-4	ATLERNATE #3, IN LIEU OF TRZ-2, MOHAWK MATUTO STONE SONIC SILVER STONE
	LVT-5	ALTERNATE #3, IN LIEU OF TRZ-3, MOHAWK MATUTO STONE BLUE NIGHT STONE
ATHLETIC FLOORING	AF-1	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLACE; CLASSIC OAK (GYM FIELD)
	AF-2	TARKETT SPORTS; OMNI SPORTS 8.1MM ACTIVE PLUS; BLUE MAPLE (GYM BORDER)
CARPET	CPT-1	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE; STONE; 18"X36" (CLASSROOM, COLLAB FIELD & ADMIN)
	CPT-2	SHAW CONTRACT; SHIFTING FIELD ENCLAVE TILE: RESERVOIR: 18"X36" (COLLAB & CORRIDOR ACCENT)
	CPT-3	SHAW CONTRACT; CUT AND COMPOSE COPY TILE; SECTOR; 24"X24" (LIBRARY)
	CPT-4	SHAW CONTRACT; ALL ACCESS SWIFT; STEP 14549; 24"X24" (WALK OFF MAT)
SEALED CONCRETE	SC-1	STORAGE
EPOXY	EPF-1	STONHARD; STONSHIELD; ASH (RESTROOMS AND KITCHEN)
TERRAZZO	TRZ-1	TERRAZZO MARBLE & SUPPLY; SAND BED, TM21GG-790; INTEGRAL TERRAZZO BASE(FIELD)
	TRZ-2	TERRAZZO MARBLE & SUPPLY; SAND BED, CUSTOM COLOR TO MATCH TM20GG-1237; INTEGRAL TERRAZZO BASE (GRAY ACCENT) 2
	TRZ-3	TERRAZZO MARBLE & SUPPLY; EPOXY, TM20GG-1239; INTEGRAL TERRAZZO BASE (BLUE ACCENT)
WOOD	WD-1	NYDREEE; PLAINSAWN WHITE OAK; ANTIQUE BARREL; 5 1/4" (LEARNING STAIRS)

BASE:

RUBBER BASE	RB-1	ROPPE; BLACK BROWN; 4" (FIELD)
EPOXY BASE	EB-1	STONHARD; STONSHIELD; ASH; INTEGRAL EPOXY BASE (RESTROOMS AND KITCHEN)
TERRAZZO BASE	TRZ-1	MATCH TERRAZZO FLOOR COLOR, U.N.O.
SCHLUTER EDGE TRIM	SCH-1	PER SPECS

CEILINGS:

CL-1	ACT-1 ROCKFON; EDUCATION PLUS SQUARE; WHITE 42100 (FIELD)
CL-2	ACT-2 ROCKFON; KORAL (KITCHEN)
CL-3	PAINTED GYPSUM, MOISTURE-RESISTANT GYP BD AT ANY WET LOCATIONS.

ROOF DECK	MC-1	EPIC METALS; COLONY MAPLE

CASEWORK:

PLASTIC LAMINATE	PL-1	WILSONART; 7996-36; NATURAL RECON (DOORS, CASEWORK & PSI WALL PANELS)
	PL-2	WILSONART; 4877-38; GREY MESH (COUNTERTOP)
	PL-3	FORMICA; 914-58; MARINE BLUE (WALL PANELS)
SOLID SURFACE	SS-1	CORIAN; CAMEO WHITE (TOP CAP OF LOW WALLS)
QUARTZ	QTZ-1	WILSONART; Q4011; ARASHI (COUNTERTOPS & WINDOW SILLS)

RAILINGS:

INFILL PANEL	R-1	BANKER; M13Z-145; FACTORY POWDER COATED FINISH (INTERIOR AND EXTERIOR GUARDRAIL & STAIR RISER AS NOTED), FINISH COLOR TBD

SPECIALTY PRODUCTS:

TOILET PARTITIONS	TP-1	SCRANTON; CHARCOAL GREY; ORANGE PEEL (TOILET PARTITIONS)
LOCKERS	L-1	LIST INDUSTRIES; 717 GRAND SLAM (KITCHEN LOCKERS)
WALL PADS	SP-1	COLOR TBD
WALL GRAPHIC	SP-5	TBD
MOTORIZED SHADES	MS-1	SHADE FABRIC COLOR TBD

WALLS:

PAINT	PT-1	SHERWIN WILLIAMS; SW7028; INCREDIBLE WHITE (FIELD)
	PT-2	SHERWIN WILLIAMS; SW7064; PASSIVE (ACCENT)
	PT-3	SHERWIN WILLIAMS; SW7650; ELLIE GRAY (ACCENT)
	PT-4	SHERWIN WILLIAMS; SW6991; BLACK MAGIC (DOOR FRAMES, WINDOW FRAMES & EXPOSED CEILING)
	PT-5	SHERWIN WILLIAMS; SW6493; EBBTIDE; LIGHT BLUE(ACCENT)
	PT-6	SHERWIN WILLIAMS; SW6804; DIGNITY BLUE; BLUE (SPIRIT COLOR)
VINYL WALL COVERING	VWC-1	KOROSEAL; DESERT SAND; LIGHT FOG (CLASSROOM FIELD)
	VWC-2	KOROSEAL; DESERT SAND; WASHED DENIM (CLASSROOM & CORRIDOR ACCENT)
	VWC-3	HUFFCOR; VINYL DESIGNER COLLECTION GEM PATTERNL; EGGSHELL 44-701 (BETWEEN CAFETERIA & GYM)
WRITABLE SURFACE	WS-1	KOROSEAL; MAG RITE NATURAL WHITE 59"; NATURAL WHITE (CLASSROOM & COLLABORATION)
TACKWALL	TW-1	TACKWALL; DIGNITY BLUE (CORRIDORS)
	TW-2	TACKWALL; 64227 2001 (COLLAB AREAS)
CORNER GUARD	CG-1	PER SPECS

FABRIC:

ACOUSTICAL WALL PANEL	AWP-1	AUTEX; CUBE; MURALLA; BLUE (GYM & CAFETERIA)
	AWP-2	AUTEX; CUBE; FALLING WATER; LIGHT BLUE (GYM & CAFETERIA)
	AWP-3	AUTEX; CUBE; SAVOYE; LIGHT GRAY (CAFETERIA)
STAGE CURTAINS	STG-1	KM FABRICS; MEMORABLE; 1053 (STAGE CURTAIN)
TACKBOARDS	TW-1	CARNEGIE; XOREL; 6427 751 (TACBOARD FOR CORRIDORS)
	TW-2	CARNEGIE; XOREL; 6427 2001 (TACKBOARD FOR COLLABORATION AREAS)
BAFFLES	AB-1	AUTEX; FRONTIER BAFFLES RAFT BLADE; EMPIRE (GYM CEILING)

TILE:

PORCELAIN TILE	WT-1	TRINITY TILE; ALTA; WHITE; 12"X24" (RESTROOM FIELD)
	WT-2	TRINITY TILE; ALTA; BLUE POLISHED; 12"X24" (RESTROOM ACCENT, CAFETERIA)
	WT-3	TRINITY TILE; ALTA; BLUE MATTE; 12"X24" (RESTROOM ACCENT)
	WT-4	TRINITY TILE; ALTA; BLUE POLISHED; 6"X24" (RESTROOM ACCENT)
	WT-5	TRINITY TILE; ALTA; BLUE MATTE; 6"X24" (RESTROOM ACCENT)
	WT-6	ESMER; BB CONCRETE; MIST; 12"X24" (SERVING LINE BACK WALL)
MOSAIC WALL TILE	MWT-1	MARAZZI; COASTAL EFFECTS; SAPPHIRE; LARGE PICKET MOSAIC 1"X4"; 11 1/4"X11 1/4" SHEET; INSTALL VERTICAL (BREAKROOM & COMMUNITY ROOM BACKSPLASH)
	MWT-2	ESMER; H2O; NAVY; 12"X12" MOSAIC SHEET; INSTALL VERTICAL (SERVING LINE COUNTER)
GROUT	G-1	COLOR TBD
	G-2	COLOR TBD
	G-3	COLOR TBD

**ALL GROUT LINES MUST BE SEALED TO BE NON-ABSORBENT.

EXTERIOR MATERIALS:

BRICK	B-1	NORMAN SIZE BRICK - CRIMSON IRONSPOT SMOOTH
	B-2	NORMAN SIZE BRICK - EBONY IRONSPOT SMOOTH
METAL PANEL	MP-1	BERRIDGE HR-16 PANEL SYSTEM - AGED BRONZE
	MP-2	BERRIDGE HS-12 - AGED BRONZE
LOUVER SCREEN	R-1	RUSKIN EV211 - COLOR TBD
MANUFACTURED STONE	MST-1	ARRISCRAFT 8" x 24" AND 12" x 24"; OAKRIDGE SMOOTH
FIBERGLASS REINFORCED PLASTIC PANEL(FRP)	FRP-1	COLOR TBD (CUSTODIAL WALLS)

GENERAL NOTE

1. ALL FINISH MATERIALS SHALL MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED STRUCT. MEMBERS, STRUCT. DECK, DUCTWORK, DIFFUSERS, PIPING, CONDUIT, EQUIP. HOUSINGS, LIGHT FIXTURE HOUSINGS, CABLE SUPPORTS, CABLE TRAYS, EQUIP. SUPPORTS, HANGERS, ETC. TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING MATERIAL TRANSITIONS.
6. ALL FLOORING TRANSITIONS AT DOORS SHALL BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, U.N.O.
7. PROTECT ALL FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE AND INSTALL BULLNOSE TRIM AT ALL TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL U.N.O.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE U.N.O.
11. ALL CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, U.N.O.
12. PAINT ALL HOLLOW METAL DOOR FRAMES TO MATCH ADJACENT WALL COLOR U.N.O.
13. ALL EXPOSED SPRINKLER PIPING TO BE PAINTED. COLOR TBD

DOOR SCHEDULE - SECOND FLOOR AREA 'E'

MARK	DOOR PANEL SIZE W x H W	H	DOOR ELEVATION	DOOR MATERIAL	DOOR FRAME SIZE W x H W	H	FRAME ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	H.W.	FIRE RATING LABEL	REMARKS
E201A	6'-0"	6'-10"	D	WD	6'-4"	7'-0"	1	AL	18/A-733	04/A-732	15/A-732	700M		
E202A	6'-0"	6'-10"	D	AL	114'-0"	15'-0"	CW-11	AL	10/A-731	06/A-731	15/A-732	W714AI		
E203	3'-0"	6'-10"	E	WD	3'-4"	7'-0"	1	AL	18/A-733	04/A-732	09/A-732	203S		
E204	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-7 2	AL	18/A-733	12/A-732	15/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E205	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E206	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E206A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-7 2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E207	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E207A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-7 2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E208	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E208A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-7 2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2
E209	3'-0"	6'-10"	A	WD	9'-4"	7'-0"	SF-7	AL	15/A-731	12/A-732	15/A-732	203		
E209A	9'-6"	7'-0"	G	AL	9'-7"	7'-0 1/2"	SF-7 2	AL	18/A-733	12/A-732	17/A-732	001		FOLDING ENTRANCE ASSEMBLY; RE:SPEC 08 41 13 2

DOOR SCHEDULE REMARKS

1. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER 2

GLAZING SCHEDULE - AREA E - SECOND FLOOR

MARK	FRAME WIDTH	FRAME HEIGHT	ELEVATION	FRAME MATERIAL	DETAILS SILL	JAMB	HEAD	REMARKS
E202	114'-0"	15'-0"	CW-11	ALUM	03/A-731	09/A-731	18/A-731	
E205	5'-4"	7'-0"	SF-11	ALUM	14/A-732	12/A-732	17/A-732	
E205B	12'-0"	4'-0"	SF-15 SIM	ALUM	01/A-731	07/A-731	13/A-731	2
E206	10'-0"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
E207	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
E208	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	
E209	9'-6"	7'-0"	SF-7	ALUM	14/A-732	12/A-732	18/A-732	

GLAZING SCHEDULE REMARKS

1. PROVIDE MOTORIZED WINDOW SHADES: REFER TO ELECTRICAL DRAWINGS
2. PROVIDE MANUALLY OPERATED WINDOW SHADES
3. REFER TO A-809 FOR FRAME ELEVATION

0" 1"

2ND LEVEL - SCHEDULES - AREA E
A-102E1

FOR BLUEBEAM LABELING/OCR:

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

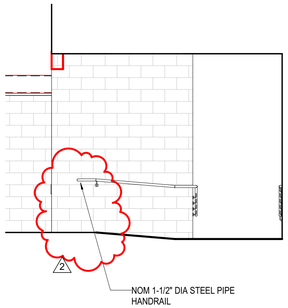
CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:10:14 PM

0"
1"

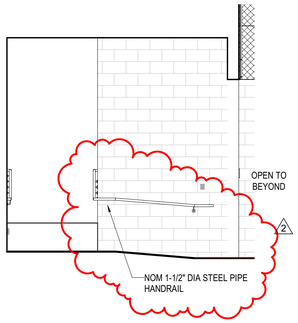
ENLARGED ELEVATOR & RAMP PLANS, SECTIONS & DETAILS

A-431

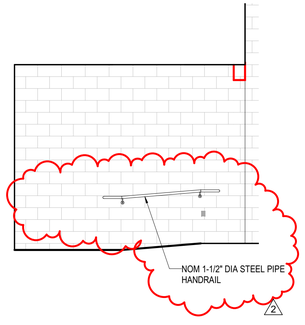
FOR BLUEBEAM LABELING/OCR:



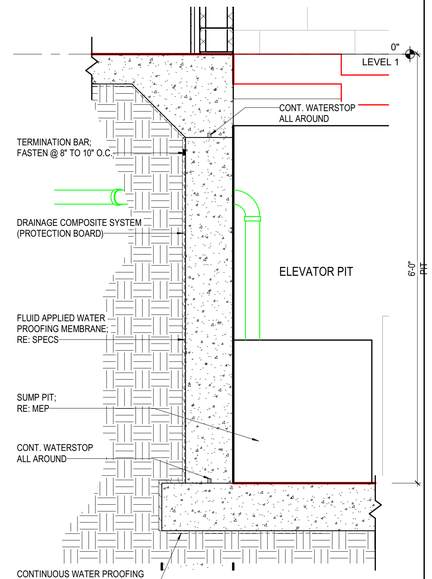
15 F113 RAMP SOUTH
1/4" = 1'-0"



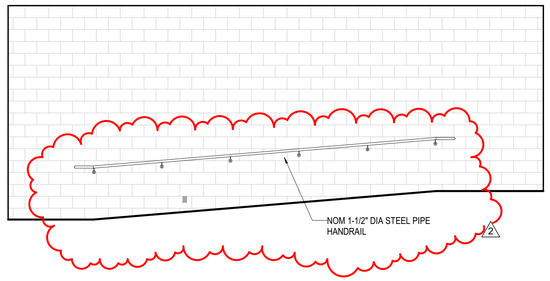
14 F113 RAMP NORTH 2
1/4" = 1'-0"



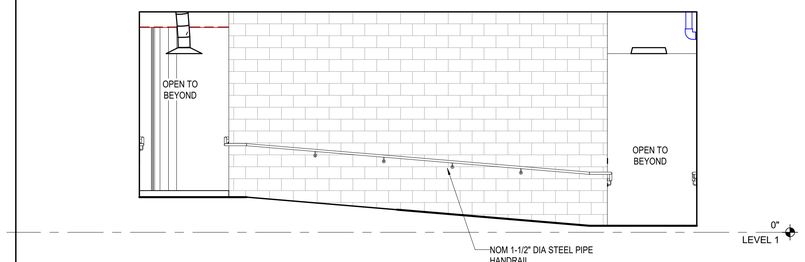
13 F113 RAMP NORTH
1/4" = 1'-0"



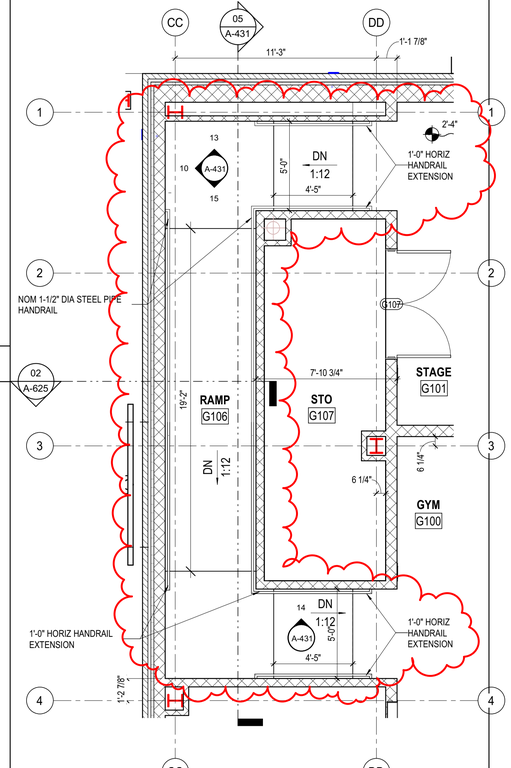
11 SECTION @ ELEVATOR PIT
1" = 1'-0"



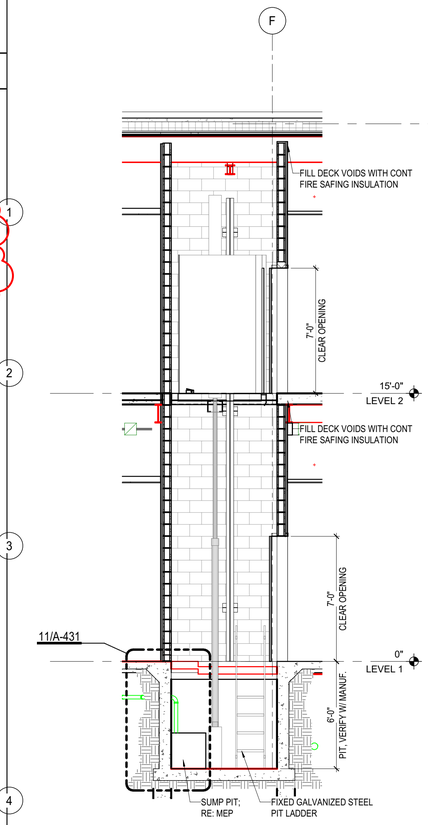
10 F113 RAMP WEST
1/4" = 1'-0"



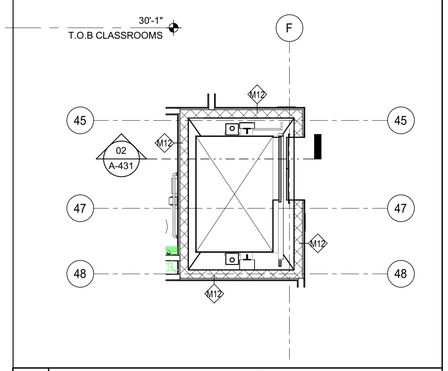
05 SECTION @ STAGE RAMP
1/4" = 1'-0"



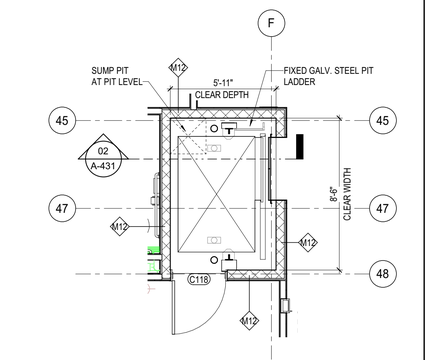
03 ENLARGED FLOOR PLAN - STAGE RAMP
1/4" = 1'-0"



02 SECTION @ ELEVATOR
1/4" = 1'-0"



07 ENLARGED 2ND LEVEL PLAN - ELEVATOR
1/4" = 1'-0"



01 ENLARGED 1ST LEVEL PLAN - ELEVATOR
1/4" = 1'-0"

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:10:22 PM

PBK

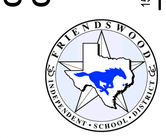
ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP







CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

ENLARGED ELEVATOR & RAMP PLANS, SECTIONS & DETAILS

A-431

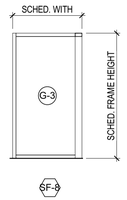
DOOR AND FRAME ELEVATIONS

A-804

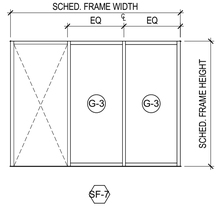
FOR BLUEBEAM LABELING/OCR:

0"

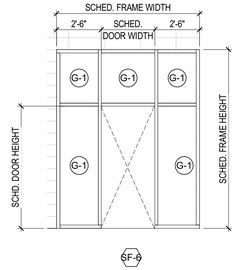
1"



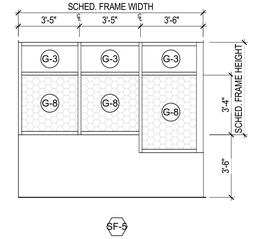
20 SF-8
1/4" = 1'-0"



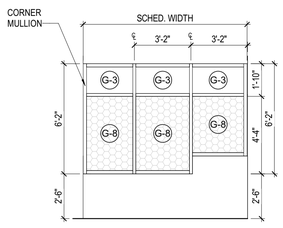
19 SF-7
1/4" = 1'-0"



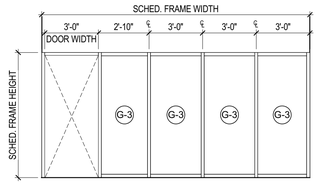
18 SF-6
1/4" = 1'-0"



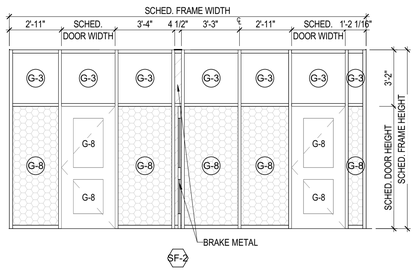
17 SF-5
1/4" = 1'-0"



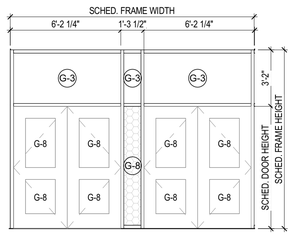
15 SF-4
1/4" = 1'-0"



14 SF-3
1/4" = 1'-0"



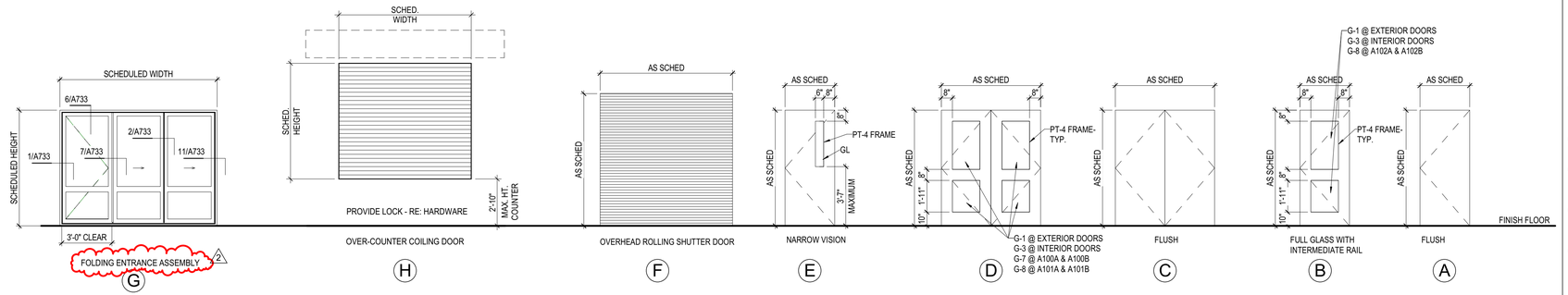
13 SF-2
1/4" = 1'-0"



12 SF-1
1/4" = 1'-0"



DOOR FRAME CONFIGURATIONS
1/4" = 1'-0"



DOOR PANEL TYPES
1/4" = 1'-0"

GLASS TYPES
1/8" = 1'-0"

GENERAL NOTES:

1. ALL ALUMINUM AND HOLLOW METAL FRAMES TO BE DARK BRONZE
2. ALUMINUM AND HOLLOW METAL DOORS TO BE DARK BRONZE

G-1 INSULATED GLASS: 1 INCH SEALED INSULATED UNIT CONSISTING OF AN EXTERIOR LITE OF 1/4 INCH LOW-E TINTED TEMPERED FLOAT GLASS, 1/2 INCH GAS FILLED AIR SPACE, AND 1/4 INCH CLEAR TEMPERED FLOAT GLASS INTERIOR LITE.

G-3 CLEAR, TEMPERED FLOAT GLASS: 1/4 INCH THICK GLAZING QUALITY, CLEAR TEMPERED FLOAT GLASS.

G-6 TINTED, SPANDREL GLASS: 1 INCH THICK TINTED SPANDREL GLASS WITH COLOR LEAD-FREE CERAMIC FRIT, FIRE-FUSED TO ITS INTERIOR SURFACE TO MATCH TINTED, TEMPERED FLOAT GLASS SPECIFIED AS TYPE G1.

G-7 SECURITY LOW-E INSULATING GLASS UNIT COMPRISED OF GLASS TYPE G-8 EXTERIOR LITE, 1/4" INCH THICK CLEAR TEMPERED FLOAT GLASS INTERIOR LITE, GLASS UNIT SHALL MEET OR EXCEED PROPERTIES OF GLASS TYPE G-1

G-8 LAMINATED SECURITY GLASS UNIT COMPRISED OF A 1/4 INCH TICK CLEAR ANNEALED EXTERIOR LITE, PVB FILM LAYER, 1/4 INCH THICK CLEAR INTERIOR LITE

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

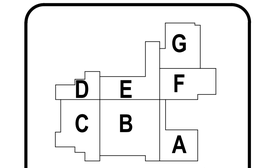
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

KEY PLAN





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

DOOR AND FRAME ELEVATIONS

A-804

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:10:26 PM

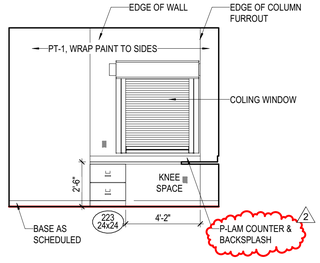
A-841

CASEWORK ELEVATIONS

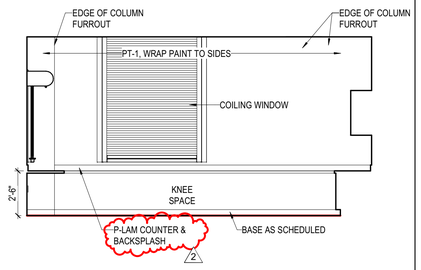
FOR BLUEBEAM LABELING/OCR:

0"

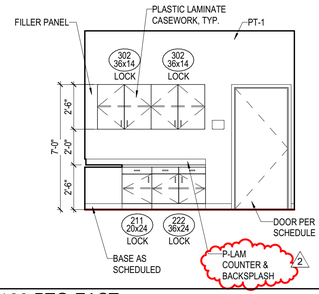
1"



20 A128 PTO WEST
1/4" = 1'-0"



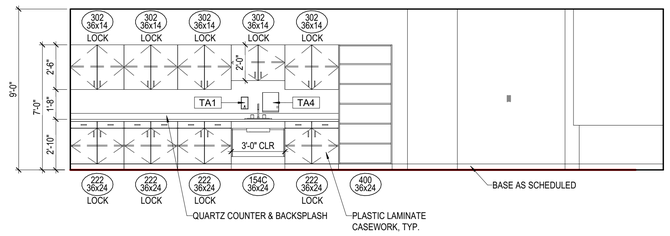
19 A128 PTO NORTH
1/4" = 1'-0"



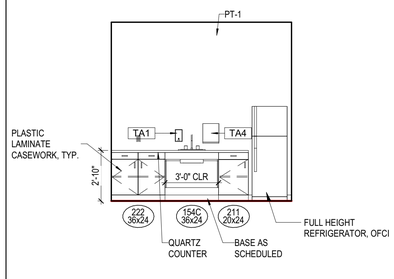
18 A128 PTO EAST
1/4" = 1'-0"

GENERAL CASEWORK NOTES

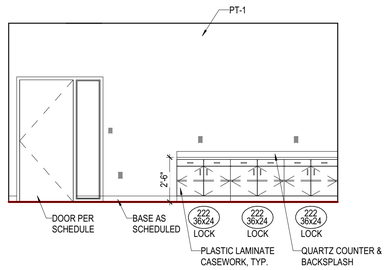
1. BASIS-OF-DESIGN FOR ALL NON-SCIENCE CASEWORK SHALL BE _____, U.N.O.
2. BASIS-OF-DESIGN FOR ALL SCIENCE CASEWORK SHALL BE _____, U.N.O.
3. FIELD VERIFY ALL CASEWORK-RELATED DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION
4. VERIFY ALL COLUMN LOCATIONS PRIOR TO FABRICATION AND INSTALLATION
5. REFER TO MEPT DOCUMENTS FOR ALL DATA OUTLETS AND DEVICES. ELECTRICAL OUTLETS AND DEVICES, AND PLUMBING FIXTURES, NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION
6. ALL CASEWORK BASE CABINETS SHALL BE 24 INCHES IN DEPTH, U.N.O.
7. ALL CASEWORK UPPER WALL CABINETS SHALL BE 14 INCHES IN DEPTH, U.N.O.
8. ALL TYPICAL COUNTERTOPS, VERTICAL SURFACES, NOSINGS, AND BACK SPLASHES SHALL BE PLASTIC LAMINATE FINISH, U.N.O.
9. ALL SCIENCE COUNTERTOPS AND BACK SPLASHES SHALL BE EPOXY RESIN, U.N.O.
10. ALL COUNTERTOP, BACKSPLASHES W/ SINK SHALL BE SOLID SURFACE, U.N.O.
11. PROVIDE AND INSTALL SIDE SPLASHES WHERE COUNTER TOP ENDS ABUT WALL SURFACES
12. PROVIDE AND INSTALL 4 INCH HIGH TOE SPACE WITH WALL BASE AT ALL CASEWORK, WALL BASE TO MATCH ROOM WALL BASE
13. PROVIDE AND INSTALL WALL ANCHORED VERTICAL SUPPORTS AT ALL KNEE SPACES GREATER THAN 48 INCHES WIDE
14. PROVIDE AND INSTALL GROMMETS WITH SLEEVES AT ALL KNEE SPACES
15. ALL CASEWORK UNITS 36 INCHES WIDE AND GREATER WITH SHELVING SHALL HAVE A CENTER FIXED SHELF
16. ALL SHELVING 36 INCHES WIDE AND GREATER SHALL BE SHALL BE 1 INCH THICK MINIMUM
17. ALL ADJUSTABLE SHELVING SHALL HAVE RECESSED STANDARDS HARDWARE
18. PROVIDE AND INSTALL FILLER PANELS WITH TOP RETURNS AT ALL SIDES, CORNERS, AND COLUMNS TO PREVENT THE CONTACT OF DOORS WITH ADJACENT SURFACES
19. PROVIDE AND INSTALL LOCKS AT ALL BASE CABINETS AND ALL UPPER WALL CABINETS



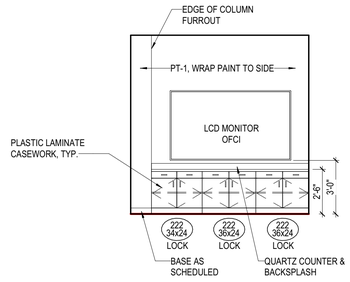
15 B107 LIBRARY WKRM NORTH
1/4" = 1'-0"



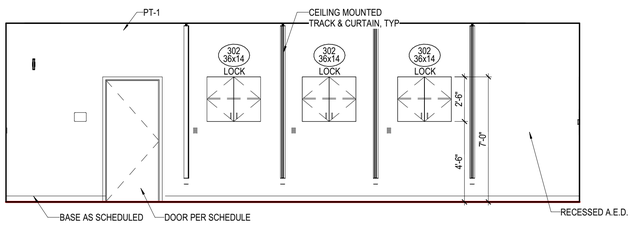
13 A127 MOTHERS ROOM WEST
1/4" = 1'-0"



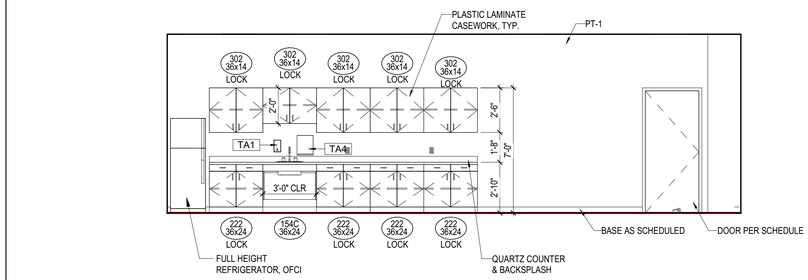
12 A119 CONF LG WEST
1/4" = 1'-0"



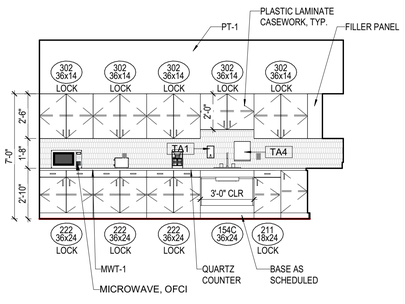
11 A106 CONF SM WEST
1/4" = 1'-0"



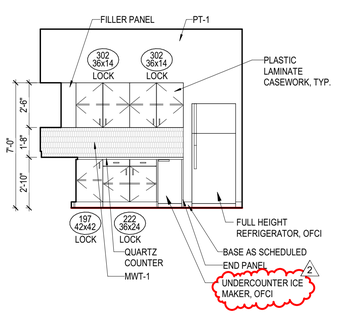
09 A103 CLINIC NORTH
1/4" = 1'-0"



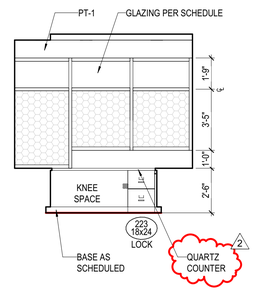
07 A103 CLINIC SOUTH
1/4" = 1'-0"



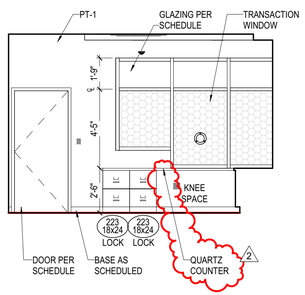
05 A105 BREAKROOM NORTH
1/4" = 1'-0"



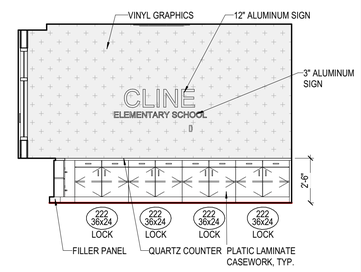
04 A105 BREAKROOM EAST
1/4" = 1'-0"



03 A102A RECEPTIONIST WEST
1/4" = 1'-0"



02 A102A RECEPTION SOUTH
1/4" = 1'-0"



01 A102A RECEPTION NORTH
1/4" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3051

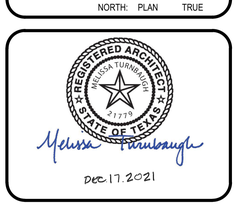
CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

CASEWORK ELEVATIONS

A-841

File Path: C:\Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:10:39 PM

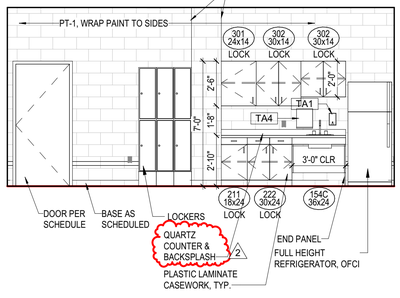
CASEWORK ELEVATIONS

A-842

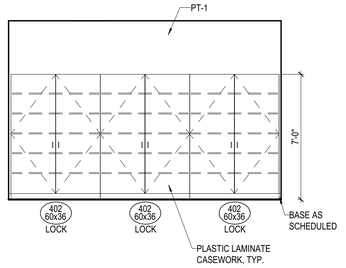
FOR BLUEBEAM LABELING/OCR:

0"

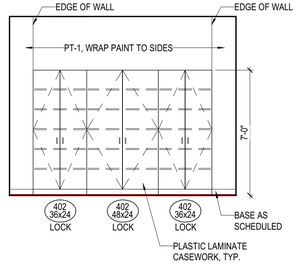
1"



20 G112 CUST OFFICE WEST
1/4" = 1'-0"



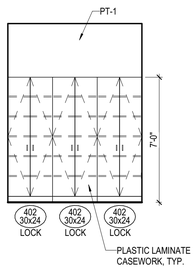
19 C216 MOTOR LAB SOUTH
1/4" = 1'-0"



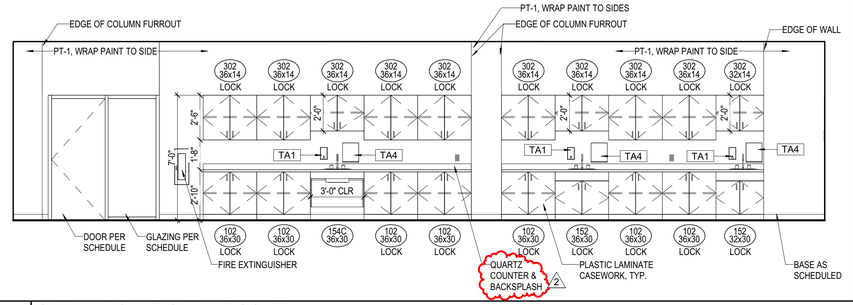
18 C106 DBC EAST & C107 PASS WEST
1/4" = 1'-0"

GENERAL CASEWORK NOTES

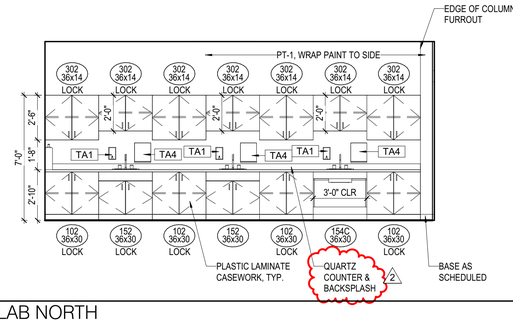
1. BASIS-OF-DESIGN FOR ALL NON-SCIENCE CASEWORK SHALL BE _____, U.N.O.
2. BASIS-OF-DESIGN FOR ALL SCIENCE CASEWORK SHALL BE _____, U.N.O.
3. FIELD VERIFY ALL CASEWORK-RELATED DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION
4. VERIFY ALL COLUMN LOCATIONS PRIOR TO FABRICATION AND INSTALLATION
5. REFER TO MEPT DOCUMENTS FOR ALL DATA OUTLETS AND DEVICES, ELECTRICAL OUTLETS AND DEVICES, AND PLUMBING FIXTURES, NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION
6. ALL CASEWORK BASE CABINETS SHALL BE 24 INCHES IN DEPTH, U.N.O.
7. ALL CASEWORK UPPER WALL CABINETS SHALL BE 14 INCHES IN DEPTH, U.N.O.
8. ALL TYPICAL COUNTERTOPS, VERTICAL SURFACES, NOSINGS, AND BACK SPLASHES SHALL BE PLASTIC LAMINATE FINISH, U.N.O.
9. ALL SCIENCE COUNTERTOPS AND BACK SPLASHES SHALL BE EPOXY RESIN, U.N.O.
10. ALL COUNTERTOP, BACKSPLASHES W/ SINK SHALL BE SOLID SURFACE, U.N.O.
11. PROVIDE AND INSTALL SIDE SPLASHES WHERE COUNTER TOP ENDS ABUT WALL SURFACES
12. PROVIDE AND INSTALL 4 INCH HIGH TOE SPACE WITH WALL BASE AT ALL CASEWORK, WALL BASE TO MATCH ROOM WALL BASE
13. PROVIDE AND INSTALL WALL ANCHORED VERTICAL SUPPORTS AT ALL KNEE SPACES GREATER THAN 48 INCHES WIDE
14. PROVIDE AND INSTALL GROMMETS WITH SLEEVES AT ALL KNEE SPACES
15. ALL CASEWORK UNITS 36 INCHES WIDE AND GREATER WITH SHELVING SHALL HAVE A CENTER FIXED SHELF
16. ALL SHELVING 36 INCHES WIDE AND GREATER SHALL BE SHALL BE 1 INCH THICK MINIMUM
17. ALL ADJUSTABLE SHELVING SHALL HAVE RECESSED STANDARDS HARDWARE
18. PROVIDE AND INSTALL FILLER PANELS WITH TOP RETURNS AT ALL SIDES, CORNERS, AND COLUMNS TO PREVENT THE CONTACT OF DOORS WITH ADJACENT SURFACES
19. PROVIDE AND INSTALL LOCKS AT ALL BASE CABINETS AND ALL UPPER WALL CABINETS



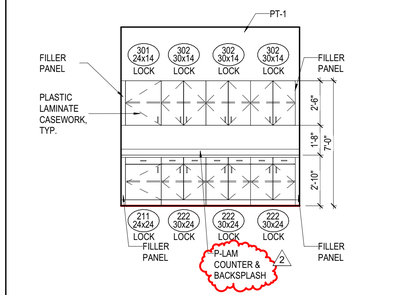
15 C203 AV BOOTH WEST
1/4" = 1'-0"



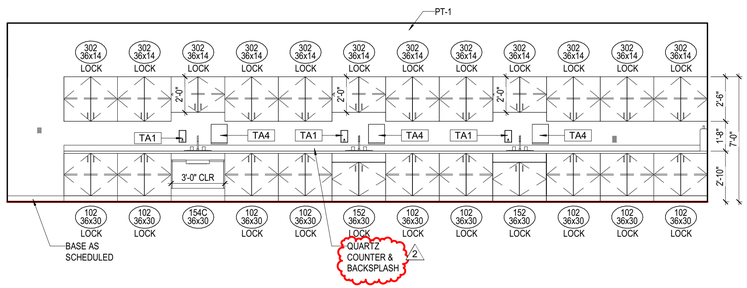
14 C210 INNOVATION LAB SOUTH
1/4" = 1'-0"



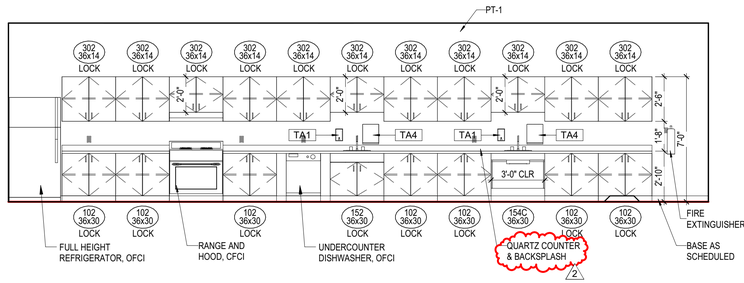
12 C201 INNOVATION LAB NORTH
1/4" = 1'-0"



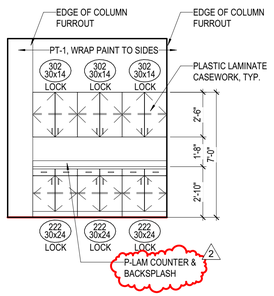
10 C105 SPEECH EAST
1/4" = 1'-0"



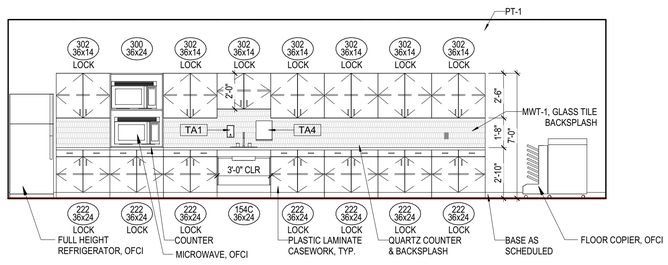
09 C102 INNOVATION LAB NORTH
1/4" = 1'-0"



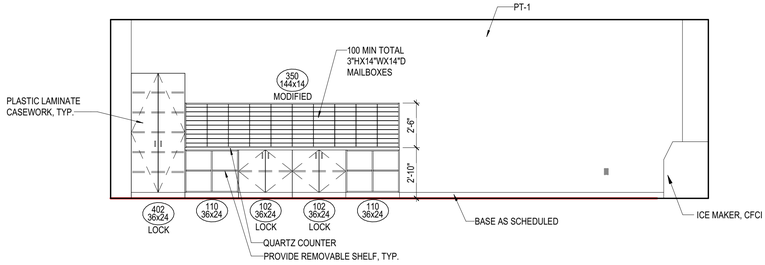
07 C101 INNOVATION LAB SOUTH
1/4" = 1'-0"



05 C104 SRP WEST
1/4" = 1'-0"



04 B112 WORKROOM SOUTH
1/4" = 1'-0"



02 B112 WORKROOM NORTH
1/4" = 1'-0"

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL

DRAWN BY:
Author

Plot Stamp:
1/20/2022 6:10:50 PM

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238

STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674

MEPT
LEAF ENGINEERS
T 713.940.3300

FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323

BUILDING ENVELOPE
BEAM
T 713.940.3201

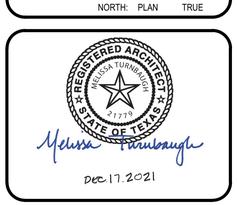
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

CASEWORK ELEVATIONS

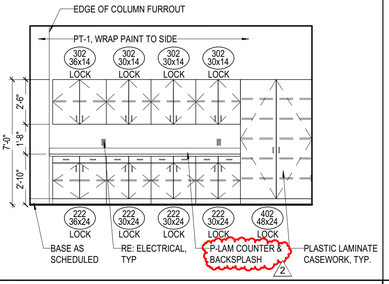
A-842

0"
1"

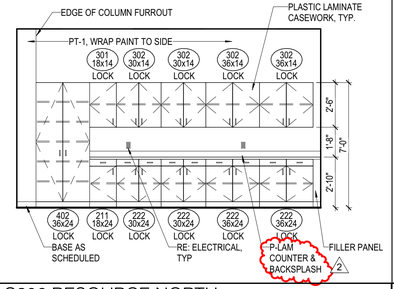
CASEWORK ELEVATIONS

A-843

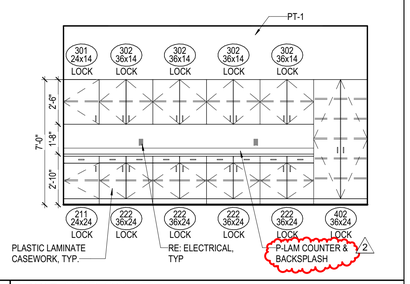
FOR BLUEBEAM LABELING/OCR:



20 D207 SPEECH WEST
1/4" = 1'-0"



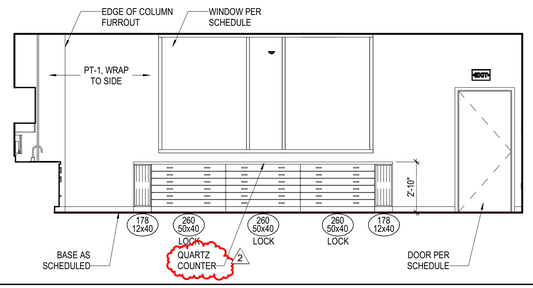
19 C206 RESOURCE NORTH
1/4" = 1'-0"



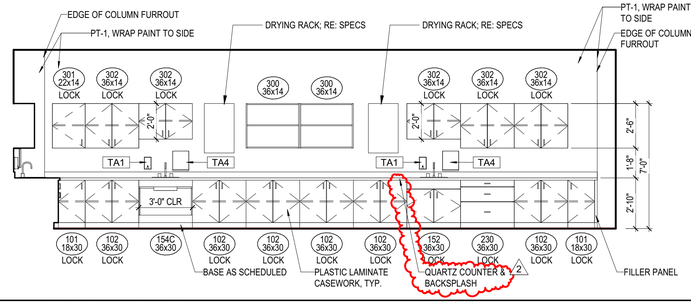
18 C205 SRP SOUTH
1/4" = 1'-0"

GENERAL CASEWORK NOTES

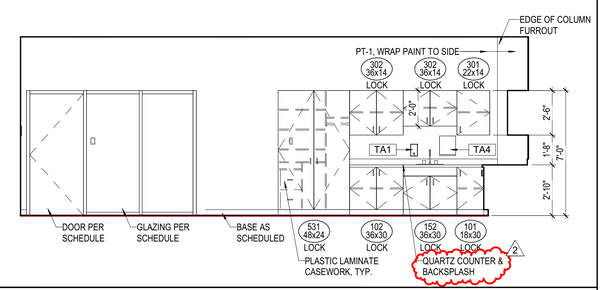
1. BASIS-OF-DESIGN FOR ALL NON-SCIENCE CASEWORK SHALL BE _____, U.N.O.
2. BASIS-OF-DESIGN FOR ALL SCIENCE CASEWORK SHALL BE _____, U.N.O.
3. FIELD VERIFY ALL CASEWORK-RELATED DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION
4. VERIFY ALL COLUMN LOCATIONS PRIOR TO FABRICATION AND INSTALLATION
5. REFER TO MEPT DOCUMENTS FOR ALL DATA OUTLETS AND DEVICES, ELECTRICAL OUTLETS AND DEVICES, AND PLUMBING FIXTURES, NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION
6. ALL CASEWORK BASE CABINETS SHALL BE 24 INCHES IN DEPTH, U.N.O.
7. ALL CASEWORK UPPER WALL CABINETS SHALL BE 14 INCHES IN DEPTH, U.N.O.
8. ALL TYPICAL COUNTERTOPS, VERTICAL SURFACES, NOSINGS, AND BACK SPLASHES SHALL BE PLASTIC LAMINATE FINISH, U.N.O.
9. ALL SCIENCE COUNTERTOPS AND BACK SPLASHES SHALL BE EPOXY RESIN, U.N.O.
10. ALL COUNTERTOP, BACKSPLASHES W/ SINK SHALL BE SOLID SURFACE, U.N.O.
11. PROVIDE AND INSTALL SIDE SPLASHES WHERE COUNTER TOP ENDS ABUT WALL SURFACES
12. PROVIDE AND INSTALL 4 INCH HIGH TOE SPACE WITH WALL BASE AT ALL CASEWORK, WALL BASE TO MATCH ROOM WALL BASE
13. PROVIDE AND INSTALL WALL ANCHORED VERTICAL SUPPORTS AT ALL KNEE SPACES GREATER THAN 48 INCHES WIDE
14. PROVIDE AND INSTALL GROMMETS WITH SLEEVES AT ALL KNEE SPACES
15. ALL CASEWORK UNITS 36 INCHES WIDE AND GREATER WITH SHELVING SHALL HAVE A CENTER FIXED SHELF
16. ALL SHELVING 36 INCHES WIDE AND GREATER SHALL BE SHALL BE 1 INCH THICK MINIMUM
17. ALL ADJUSTABLE SHELVING SHALL HAVE RECESSED STANDARDS HARDWARE
18. PROVIDE AND INSTALL FILLER PANELS WITH TOP RETURNS AT ALL SIDES, CORNERS, AND COLUMNS TO PREVENT THE CONTACT OF DOORS WITH ADJACENT SURFACES
19. PROVIDE AND INSTALL LOCKS AT ALL BASE CABINETS AND ALL UPPER WALL CABINETS



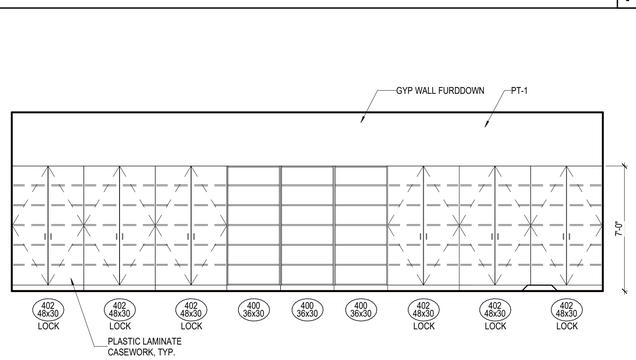
15 E110 ART ROOM WEST
1/4" = 1'-0"



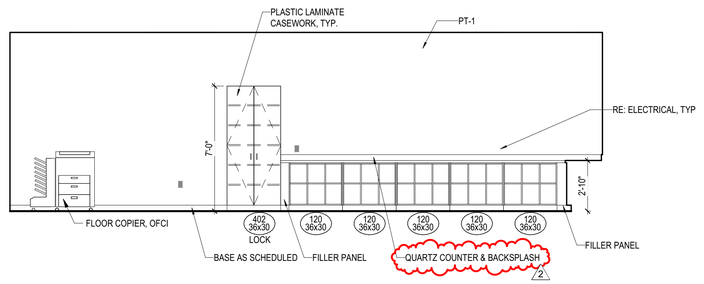
13 E110 ART ROOM SOUTH
1/4" = 1'-0"



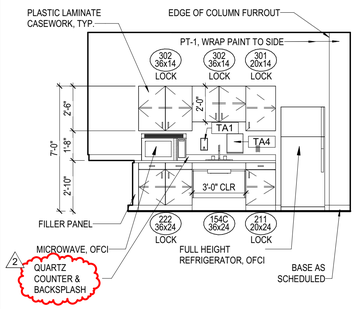
11 E110 ART ROOM EAST
1/4" = 1'-0"



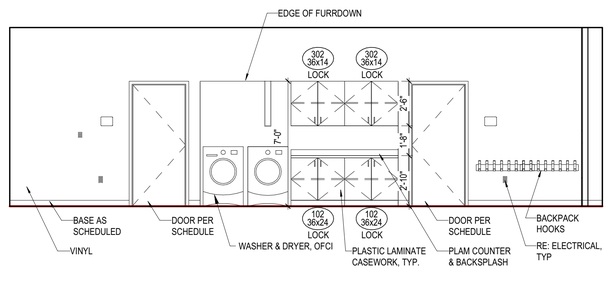
10 E111 MUSIC ROOM NORTH
1/4" = 1'-0"



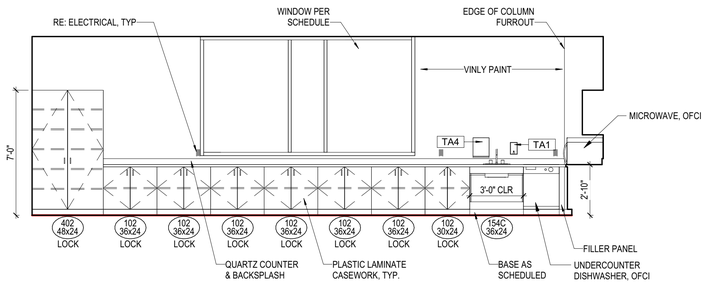
08 D211 WORKROOM NORTH
1/4" = 1'-0"



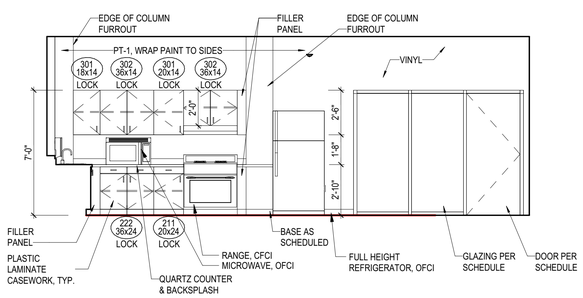
06 D211 WORKROOM EAST
1/4" = 1'-0"



05 D110 LIFE SKILLS SOUTH
1/4" = 1'-0"



03 D110 LIFE SKILLS NORTH
1/4" = 1'-0"



02 D110 LIFE SKILLS EAST
1/4" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

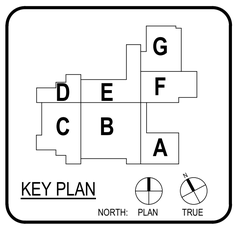
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

CASEWORK ELEVATIONS

A-843

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

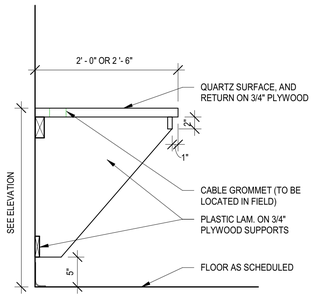
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:11:02 PM

0"
1"

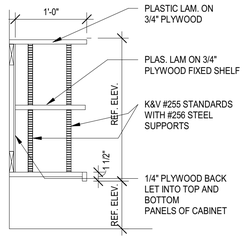
CASEWORK ELEVATIONS, SECTIONS & DETAILS

A-844

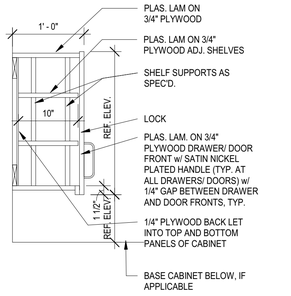
FOR BLUEBEAM LABELING/OCR:



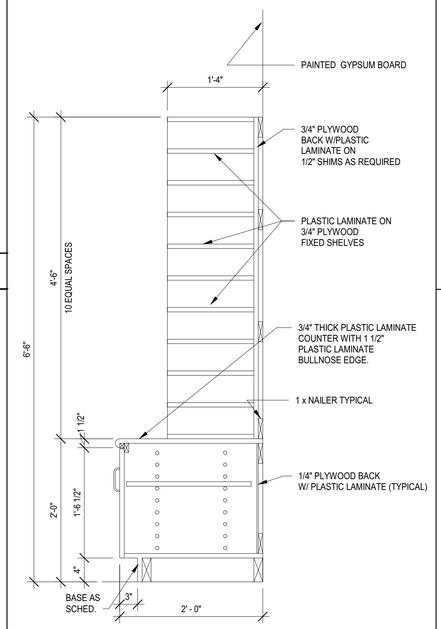
20 TYP COUNTER TOP
1" = 1'-0"



19 TYP CABINET - UPPER CABINET OPEN SHELVING
1" = 1'-0"



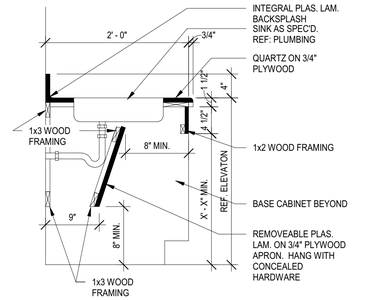
18 TYP CABINET - UPPER CABINET
1" = 1'-0"



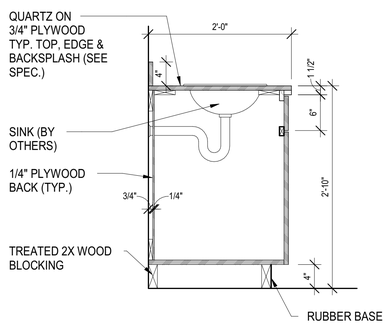
12 CABINET SECTION
1" = 1'-0"

GENERAL CASEWORK NOTES

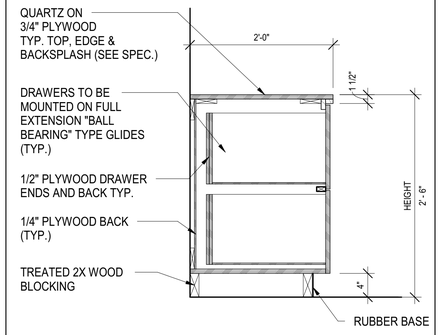
1. BASIS-OF-DESIGN FOR ALL NON-SCIENCE CASEWORK SHALL BE _____, U.N.O.
2. BASIS-OF-DESIGN FOR ALL SCIENCE CASEWORK SHALL BE _____, U.N.O.
3. FIELD VERIFY ALL CASEWORK-RELATED DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION
4. VERIFY ALL COLUMN LOCATIONS PRIOR TO FABRICATION AND INSTALLATION
5. REFER TO MEPT DOCUMENTS FOR ALL DATA OUTLETS AND DEVICES, ELECTRICAL OUTLETS AND DEVICES, AND PLUMBING FIXTURES, NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION
6. ALL CASEWORK BASE CABINETS SHALL BE 24 INCHES IN DEPTH, U.N.O.
7. ALL CASEWORK UPPER WALL CABINETS SHALL BE 14 INCHES IN DEPTH, U.N.O.
8. ALL TYPICAL COUNTERTOPS, VERTICAL SURFACES, NOSINGS, AND BACK SPLASHES SHALL BE PLASTIC LAMINATE FINISH, U.N.O.
9. ALL SCIENCE COUNTERTOPS AND BACK SPLASHES SHALL BE EPOXY RESIN, U.N.O.
10. ALL COUNTERTOP, BACKSPLASHES W/ SINK SHALL BE SOLID SURFACE, U.N.O.
11. PROVIDE AND INSTALL SIDE SPLASHES WHERE COUNTER TOP ENDS ABUT WALL SURFACES
12. PROVIDE AND INSTALL 4 INCH HIGH TOE SPACE WITH WALL BASE AT ALL CASEWORK, WALL BASE TO MATCH ROOM WALL BASE
13. PROVIDE AND INSTALL WALL ANCHORED VERTICAL SUPPORTS AT ALL KNEE SPACES GREATER THAN 48 INCHES WIDE
14. PROVIDE AND INSTALL GROMMETS WITH SLEEVES AT ALL KNEE SPACES
15. ALL CASEWORK UNITS 36 INCHES WIDE AND GREATER WITH SHELVING SHALL HAVE A CENTER FIXED SHELF
16. ALL SHELVING 36 INCHES WIDE AND GREATER SHALL BE SHALL BE 1 INCH THICK MINIMUM
17. ALL ADJUSTABLE SHELVING SHALL HAVE RECESSED STANDARDS HARDWARE
18. PROVIDE AND INSTALL FILLER PANELS WITH TOP RETURNS AT ALL SIDES, CORNERS, AND COLUMNS TO PREVENT THE CONTACT OF DOORS WITH ADJACENT SURFACES
19. PROVIDE AND INSTALL LOCKS AT ALL BASE CABINETS AND ALL UPPER WALL CABINETS



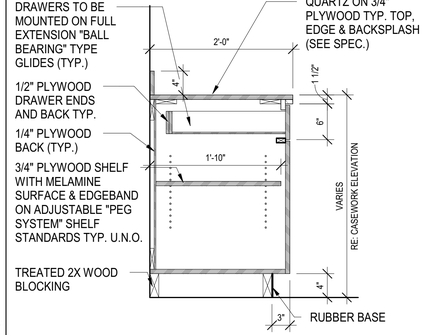
11 CASEWORK SECTION AT ADA SINK
1" = 1'-0"



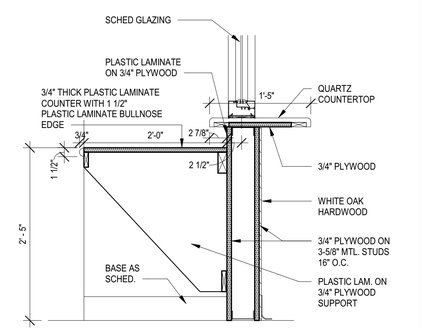
15 CASEWORK SECTION AT SINK
1" = 1'-0"



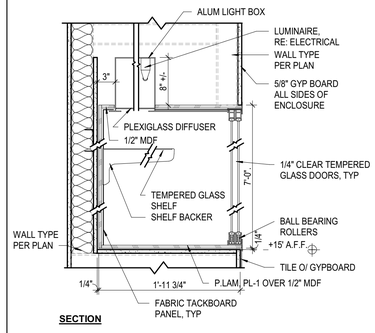
14 TYP BASE CAB - 2 FILE DRAWERS 2 DOORS
1" = 1'-0"



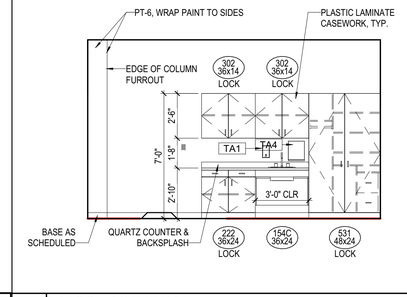
13 TYP BASE CABINET - 1 DRAWER
1" = 1'-0"



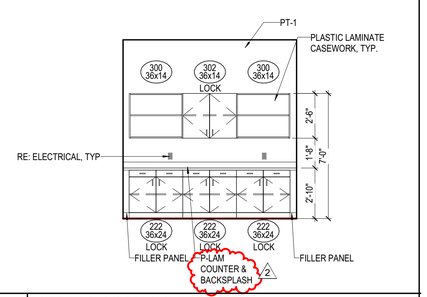
10 CASHIER SECTION
1" = 1'-0"



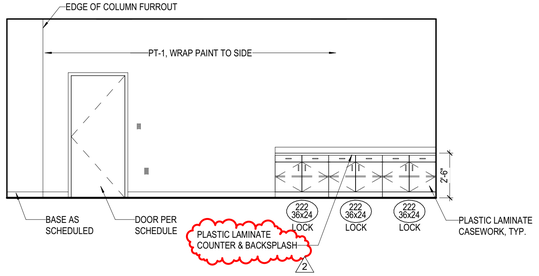
09 DISPLAY CASE - PLAN & SECTION
1" = 1'-0"



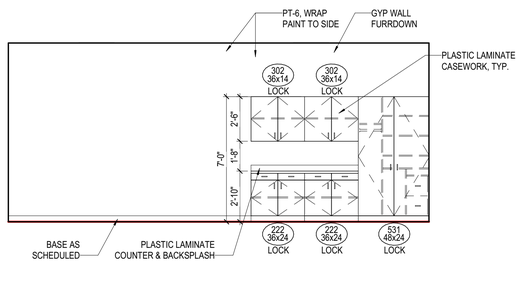
07 D108 ECSC SOUTH
1/4" = 1'-0"



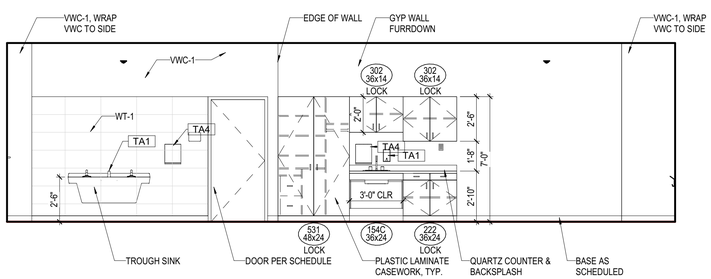
06 D111 RESOURCE NORTH
1/4" = 1'-0"



05 E203 LEARNING STUDIO WEST
1/4" = 1'-0"



03 TYP CLASSROOM CASEWORK ELEVATION
1/4" = 1'-0"



02 TYP KINDER CASEWORK ELEVATION
1/4" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238

STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674

MEPT
LEAF ENGINEERS
T 713.940.3300

FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323

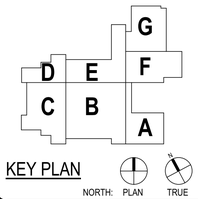
BUILDING ENVELOPE
BEAM
T 713.940.3051

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP







CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

CASEWORK ELEVATIONS, SECTIONS & DETAILS

A-844

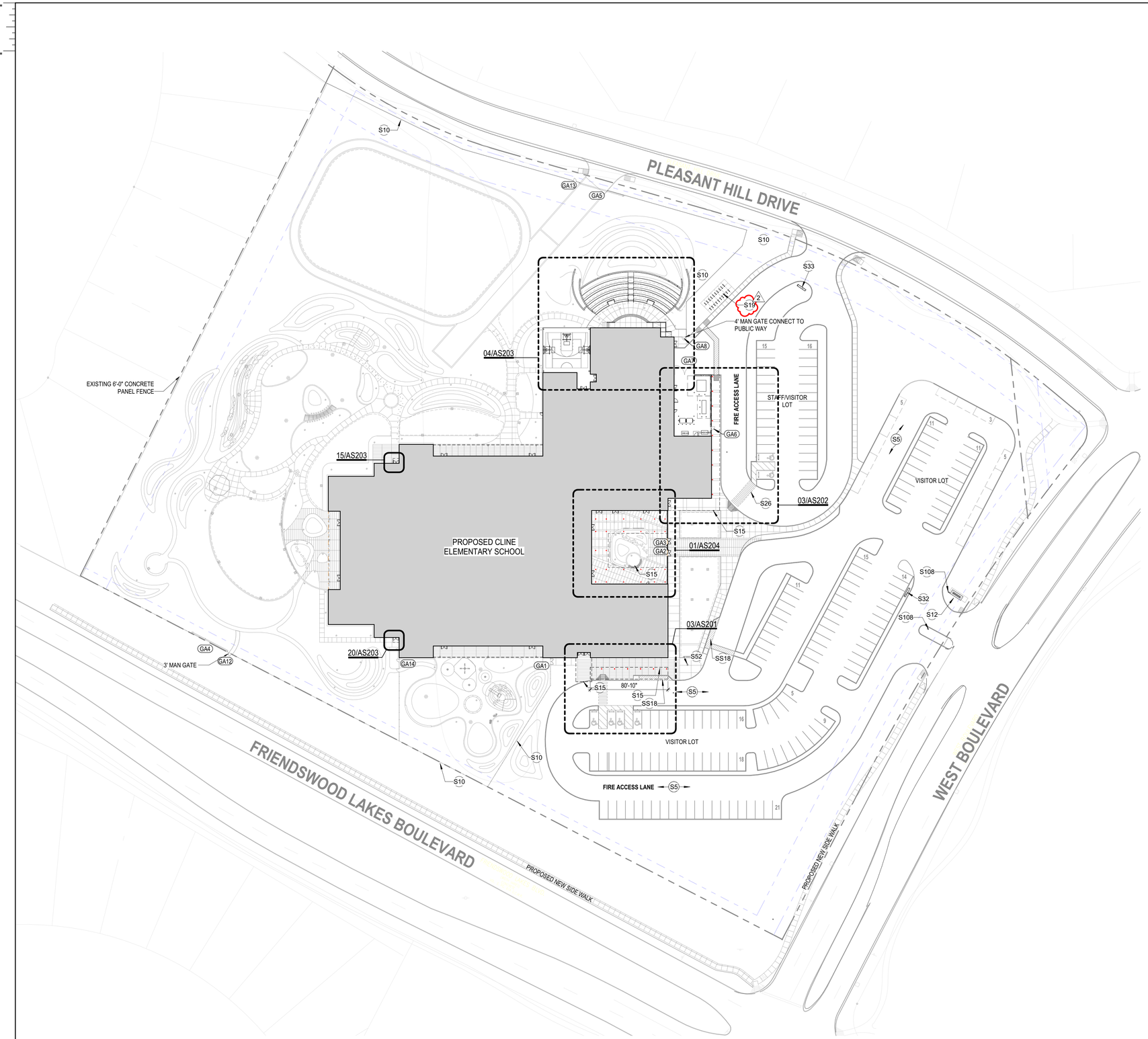
File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:11:08 PM

ARCHITECTURAL SITE PLAN

AS101

FOR BLUEBEAM LABELING/OCR:



05 ARCHITECTURAL SITE PLAN - COMPOSITE
1" = 50'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
S5	CONCRETE DRIVE, RE: CIVIL
S10	6'-0"H ORNAMENTAL FENCE
S12	MONUMENT SIGN W/ DIGITAL MARQUEE
S14	ALUMINUM COVED AWNING
S19	20 BIKE RACKS (2 BICYCLE STORAGE PER EACH RACK UNIT) RE: SPECS
S26	PAINTED STRIPE, 4" WIDE, TYP.
S32	TRAFFIC SIGN, SIGN A RE: 05/AS302
S33	TRAFFIC SIGN, SIGN B RE: 05/AS302
S52	30'-0" TALL FLAGPOLE
S108	AUTOMATED STUDENT PICK SYSTEM, VERIFY EXACT LOCATION WITH ARCHITECT
SS18	PASSENGER LOADING ZONE ACCESS AISLE

GENERAL ARCH SITE PLAN NOTES

1. REFER TO CIVIL DOCUMENTS
2. COORD. ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL, LANDSCAPE, AND OR STRUCTURAL DOCUMENTS
3. PROVIDE AND INSTALL POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS OF 1 % MINIMUM, 2 % MAXIMUM AT ALL EXTERIOR PAVED PEDESTRIAN AREAS, INCLUDING BUT NOT LIMITED TO, SIDEWALKS, PATIOS, STAIRS, PAVING, U.N.O.
4. PROVIDE AND INSTALL POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS OF 5 % FOR A HORIZ. DISTANCE OF 10 FEET AT ALL EXTERIOR NON-PAVED AREAS U.N.O
5. REFER TO CIVIL DOCUMENTS FOR CONCRETE SIDEWALK EXPANSION JOINTS AND CONCRETE SIDEWALK CONTROL JOINTS
6. VERIFY AND CONFIRM ALL JOINT LAYOUTS AT ALL CONCRETE SIDEWALKS WITH ARCH. PRIOR TO POURING OF CONCRETE
7. PROVIDE AND INSTALL CONCRETE SIDEWALK EXPANSION JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT 50 FEET ON-CENTER MAX. U.N.O.
8. PROVIDE AND INSTALL CONCRETE SIDEWALK CONTROL JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT DISTANCES EQUIVALENT TO SIDEWALK WIDTH, BUT NOT TO EXCEED 10 FEET ON-CENTER MAX.
9. VERIFY ALL SITE SIGNAGE LOCATIONS WITH ARCH. PRIOR TO INSTALLATION OF SITE SIGNAGE

TOTAL NUMBER OF PARKING SPACES:

178 TOTAL
6 ADA STALLS PROVIDED

GATE SCHEDULE

MARK	DOOR PANEL SIZE W	DOOR PANEL SIZE H	DOOR ELEVATION	H.W.	REMARKS
GA1	6'-0"	6'-0"	01/AS301	J704	PANIC HARDWARE
GA2	6'-0"	6'-0"	01/AS301	J704	PANIC HARDWARE
GA3	6'-0"	6'-0"	01/AS301	J704	PANIC HARDWARE
GA4	25'-0"	6'-0"	12/AS302	J001	KNOX BOX W/ PAD LOCK
GA5	25'-0"	6'-0"	12/AS302	J001	KNOX BOX W/ PAD LOCK
GA6	4'-0"	6'-0"	18/AS301 SIM.	J705	PANIC HARDWARE
GA7	20'-0"	8'-0"	18/AS301	J001	KNOX BOX W/ PAD LOCK
GA8	4'-0"	6'-0"	02/AS301	J705	PANIC HARDWARE
GA12	3'-0"	6'-0"	02/AS301	J705	PANIC HARDWARE
GA13	3'-0"	6'-0"	02/AS301	J705	PANIC HARDWARE
GA14	3'-0"	6'-0"	02/AS301	J704	PANIC HARDWARE

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN

G D E F C B A

NORTH: PLAN TRUE

REGISTERED ARCHITECT MELISSA TURNBOUGH 31779 STATE OF TEXAS

Melissa Turnbough

Dec 17, 2021

CLIENT
FRIENDSWOOD ISD

DATE
DECEMBER 17, 2021

PROJECT NUMBER
20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

ARCHITECTURAL SITE PLAN

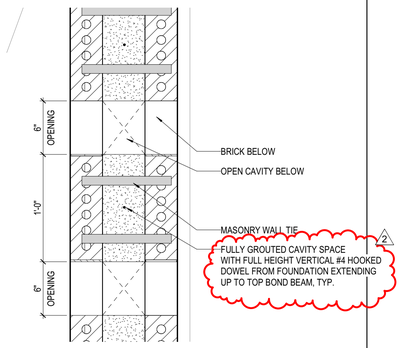
AS101

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

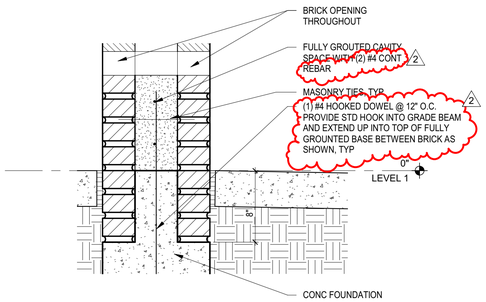
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:11:19 PM

0"
1"

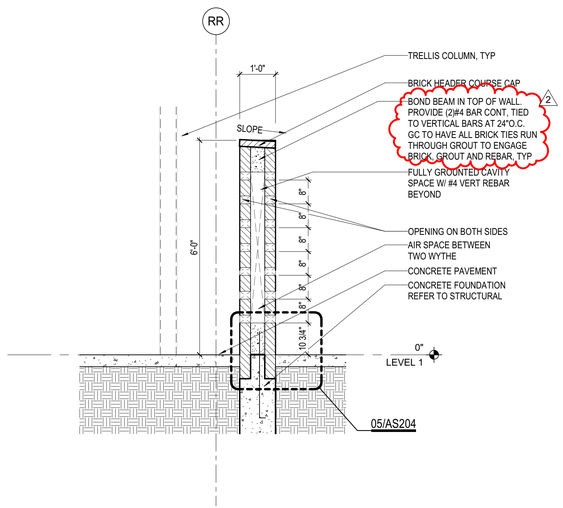
ENLARGED SITE PLAN & DETAILS
AS204
FOR BLUEBEAM LABELING/OCR:



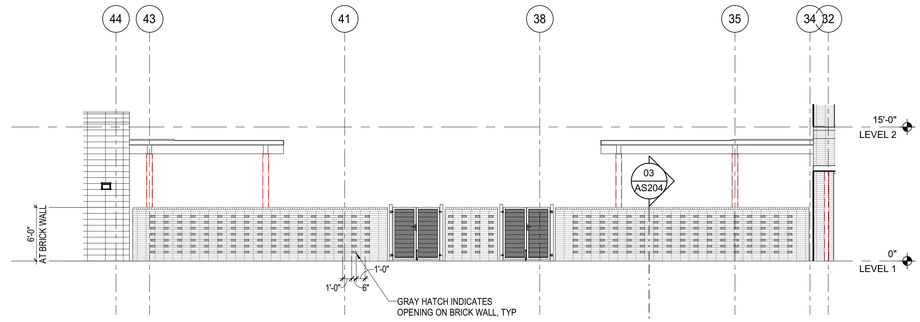
06 PLAN DETAIL AT COURTYARD BRICK WALL
1 1/2" = 1'-0"



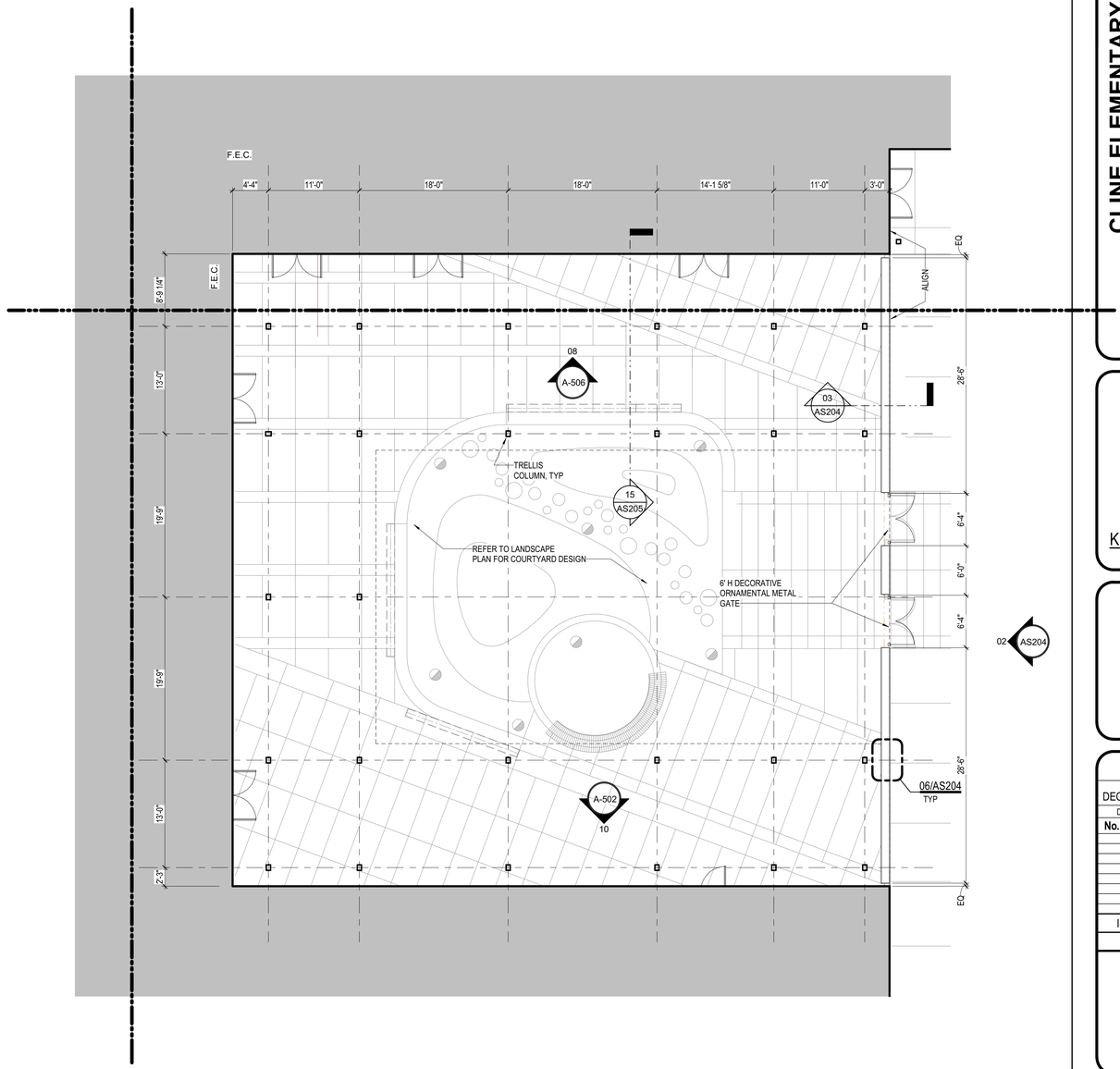
05 BASE DETAIL AT BRICK WALL LEDGE
1 1/2" = 1'-0"



03 SECTION AT BRICK WALL
1/2" = 1'-0"



02 ELEVATION AT COURTYARD BRICK WALL
1/8" = 1'-0"



01 ENLARGED SITE PLAN AT COURTYARD
1/8" = 1'-0"

PBK

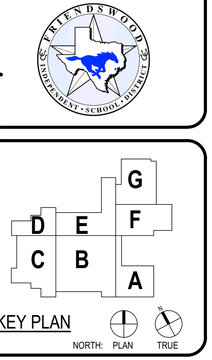
ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date

ISSUE FOR CSP

ENLARGED SITE PLAN & DETAILS

AS204

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt
CHECKED BY: DL
DRAWN BY: Author
Plot Stamp: 1/20/2022 6:11:24 PM

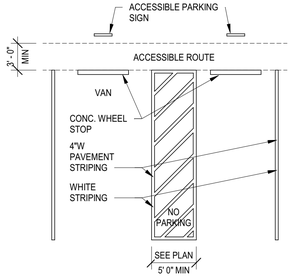
SITE DETAILS

AS301

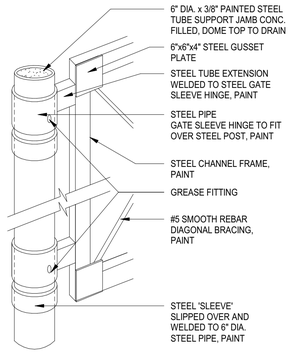
FOR BLUEBEAM LABELING/OCR:

0"

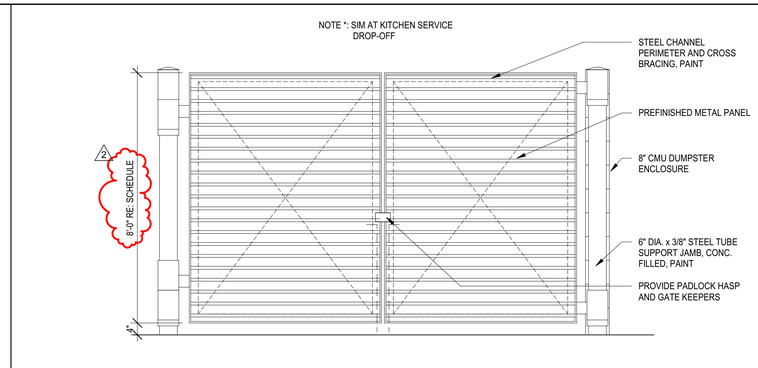
1"



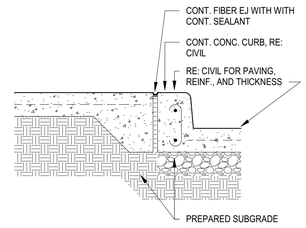
20 ACCESSIBLE PARKING
1/8" = 1'-0"



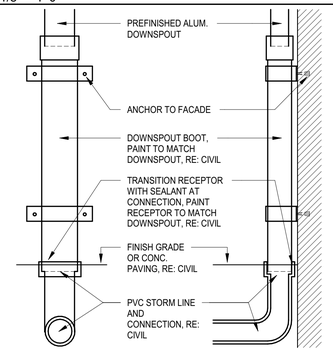
19 GATE HINGE DETAIL
1 1/2" = 1'-0"



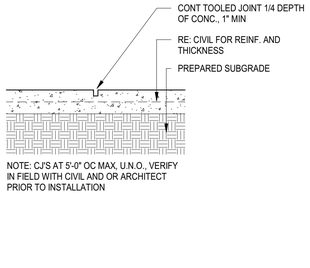
18 DUMPSTER ENCLOUSRE FRONT ELEVATION
1/2" = 1'-0"



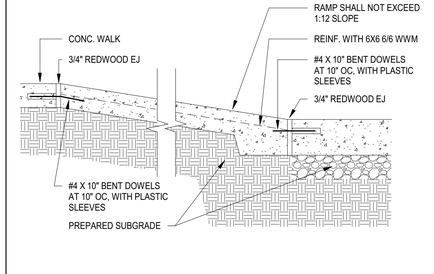
16 POURED CURB AT SIDEWALK
1" = 1'-0"



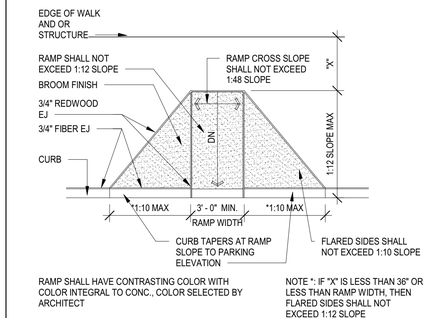
15 DOWNSPOUT BOOT
1" = 1'-0"



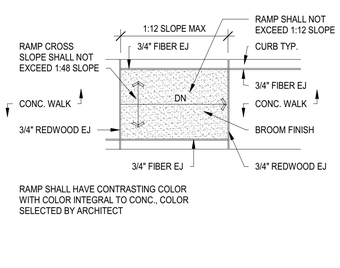
14 CONCRETE WALK CJ
1" = 1'-0"



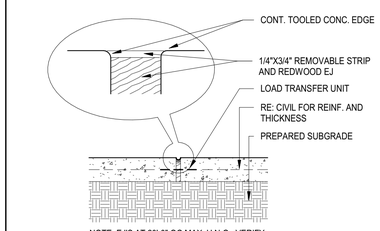
13 ACCESSIBLE CURB RAMP SECTION
1" = 1'-0"



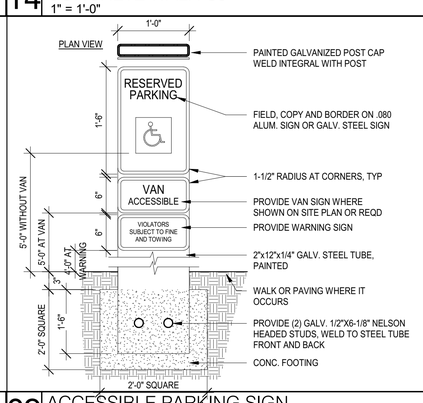
12 ACCESSIBLE CURB RAMP PLAN
1/4" = 1'-0"



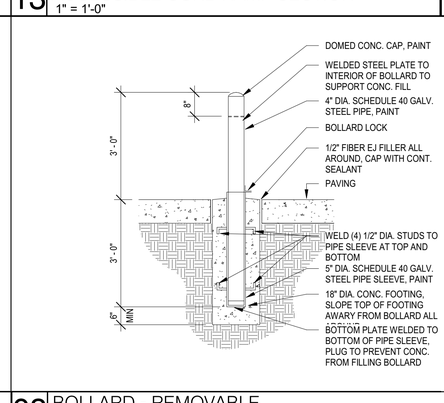
11 ACCESSIBLE CURB RAMP PLAN
1/4" = 1'-0"



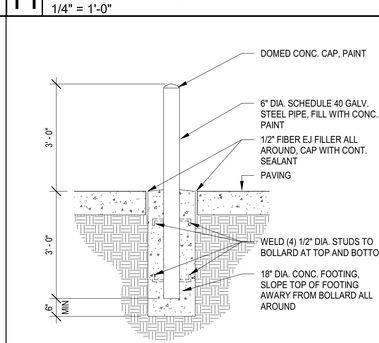
10 CONCRETE WALK EJ
1" = 1'-0"



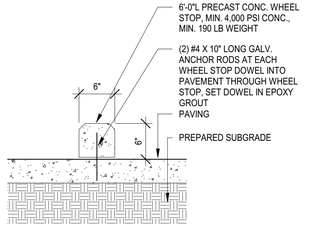
09 ACCESSIBLE PARKING SIGN
1" = 1'-0"



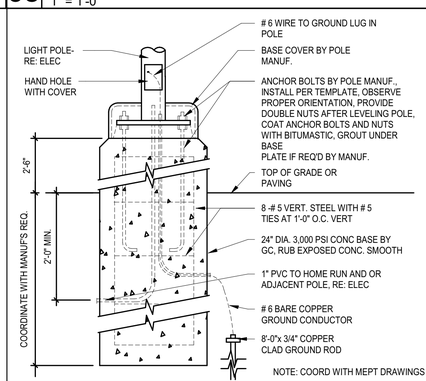
08 BOLLARD - REMOVABLE
1/2" = 1'-0"



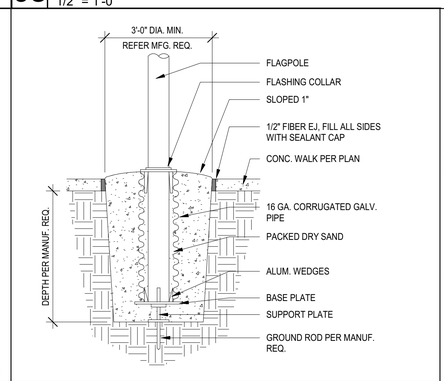
06 BOLLARD
1/2" = 1'-0"



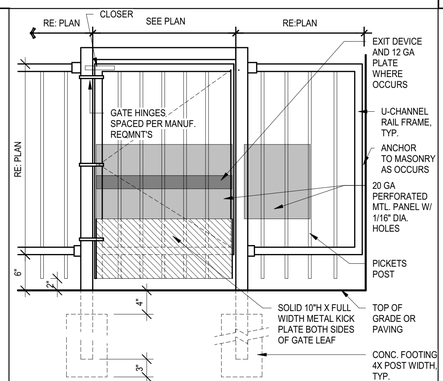
05 PARKING BUMPER
1" = 1'-0"



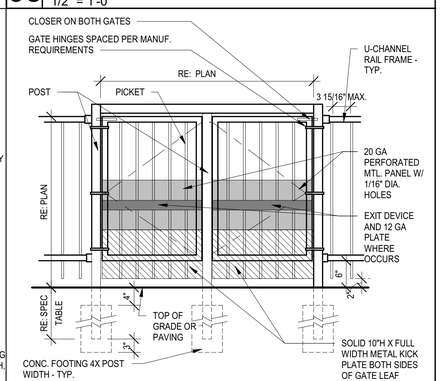
04 LIGHT POLE BASE
3/4" = 1'-0"



03 FLAGPOLE BASE
1/2" = 1'-0"



02 DECORATIVE FENCE EGRESS GATE
1" = 1'-0"



01 DECORATIVE FENCE AND GATE - DOUBLE
3/4" = 1'-0"

PBK

ARCHITECT
PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

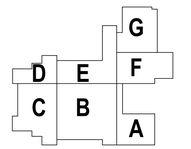
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



REGISTERED ARCHITECT
MELISSA TURNBOUGH
21778
STATE OF TEXAS

Melissa Turnbough

Dec 17, 2021

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

SITE DETAILS

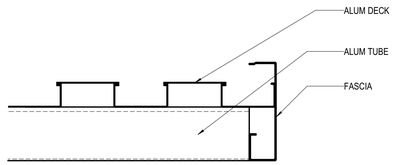
AS301

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

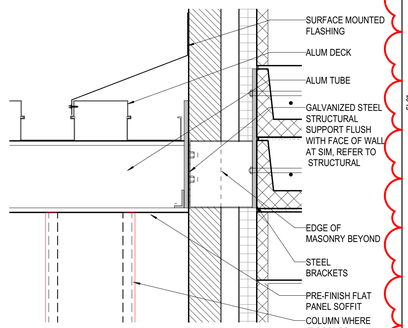
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:11:28 PM

SITE DETAILS
AS302
FOR BLUEBEAM LABELING/OCR:

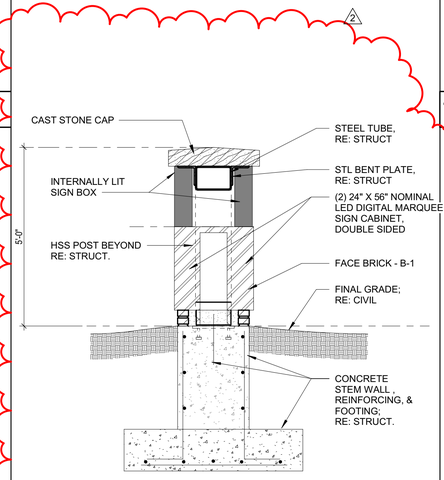
0"
1"



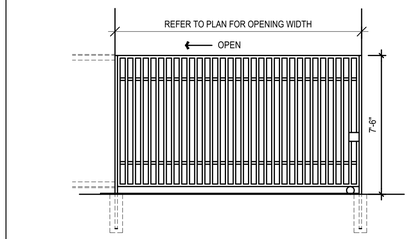
14 SECTION DETAIL @ CANOPY FASCIA
1 1/2" = 1'-0"



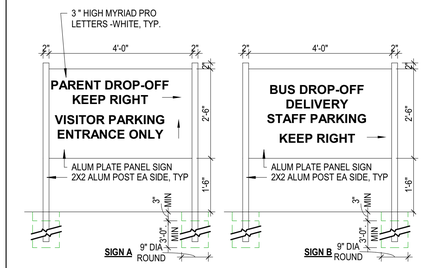
09 SECTION DETAIL @ EXTERIOR CANOPY
1 1/2" = 1'-0"



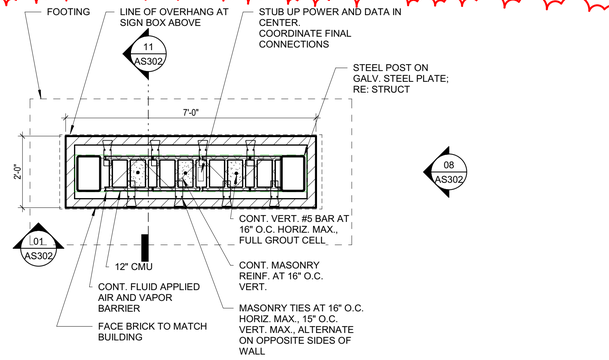
08 MARQUEE DETAILS
1/2" = 1'-0"



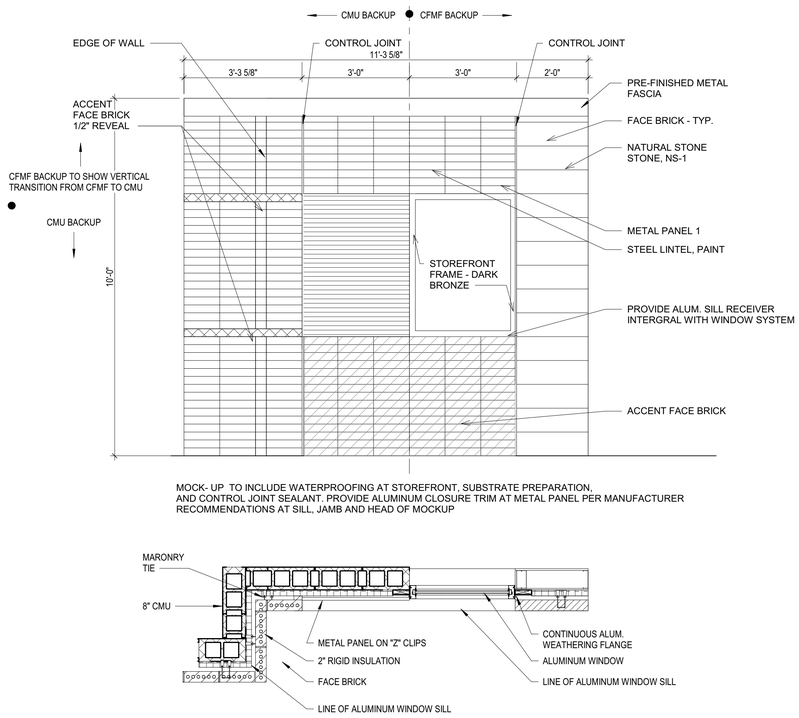
12 ORNAMENT FENCE SLIDING GATE DETAIL
3/4" = 1'-0"



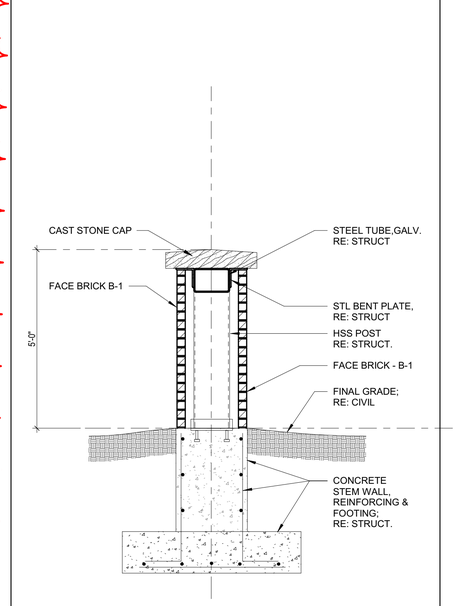
11 SITE DIRECTIONAL SIGNAGE
1/2" = 1'-0"



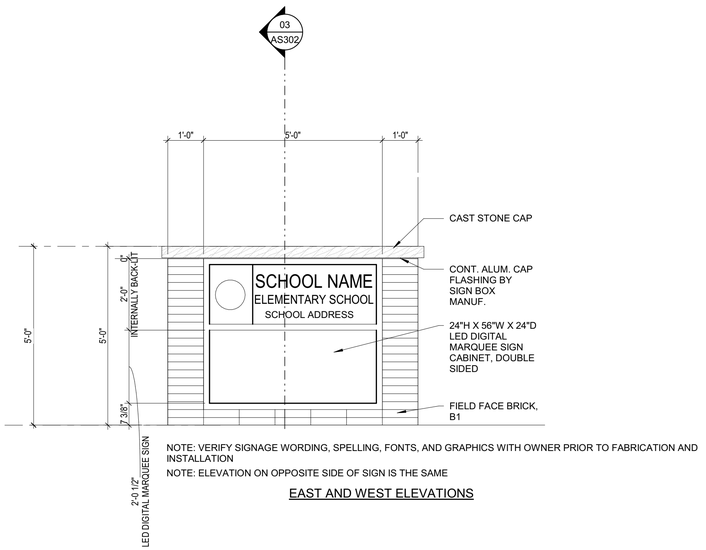
07 MARQUEE SIGN - PLAN
1/2" = 1'-0"



05 MOCK-UP
1/2" = 1'-0"



03 MARQUEE SIGN -SECTION
1/2" = 1'-0"



NOTE: VERIFY SIGNAGE WORDING, SPELLING, FONTS, AND GRAPHICS WITH OWNER PRIOR TO FABRICATION AND INSTALLATION
NOTE: ELEVATION ON OPPOSITE SIDE OF SIGN IS THE SAME

EAST AND WEST ELEVATIONS

01 MARQUEE SIGN - FRONT ELEVATION
1/2" = 1'-0"

File Path: C:_Revit\Local\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt
CHECKED BY:
DL
DRAWN BY:
Author
Plot Stamp:
1/20/2022 6:11:31 PM

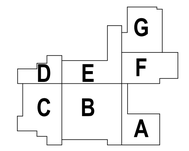
PBK
ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608
CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT



REGISTERED ARCHITECT
MELISSA TURNBOUGH
21779
STATE OF TEXAS

Melissa Turnbough
Dec 17 2021

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

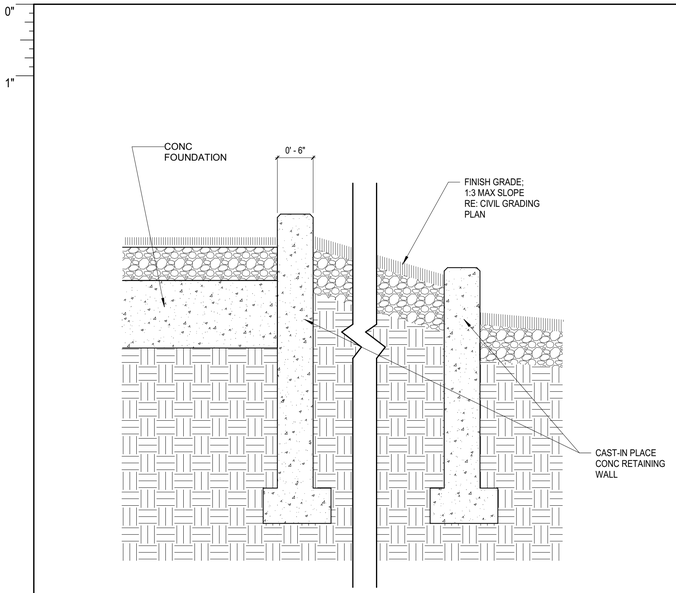
SITE DETAILS

AS302

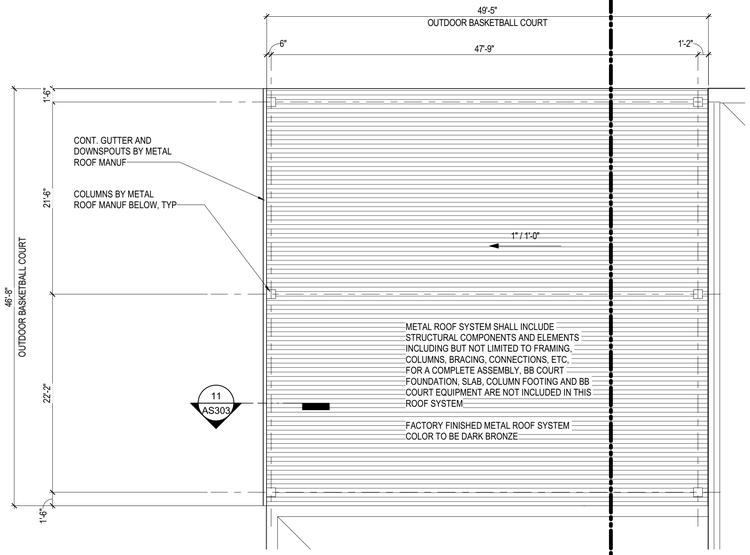
SITE DETAILS

AS303

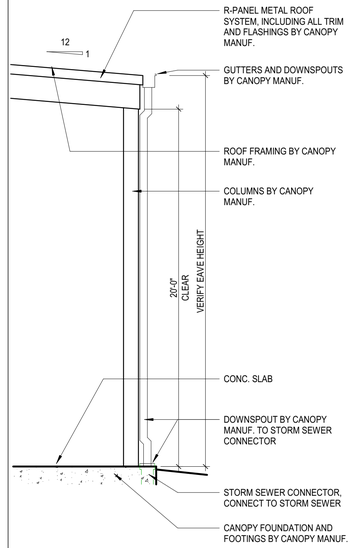
FOR BLUEBEAM LABELING/OCR:



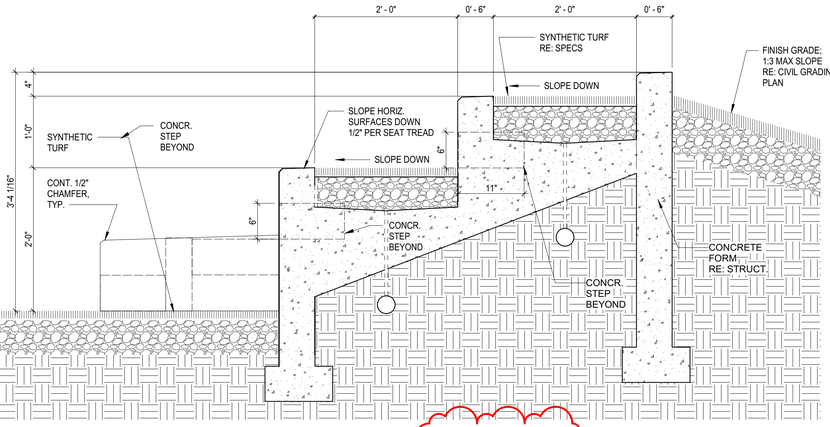
15 OUTDOOR SEATING SECTION @ CIP RETAINING WALL (ALTERNATE #9) 2
1" = 1'-0"



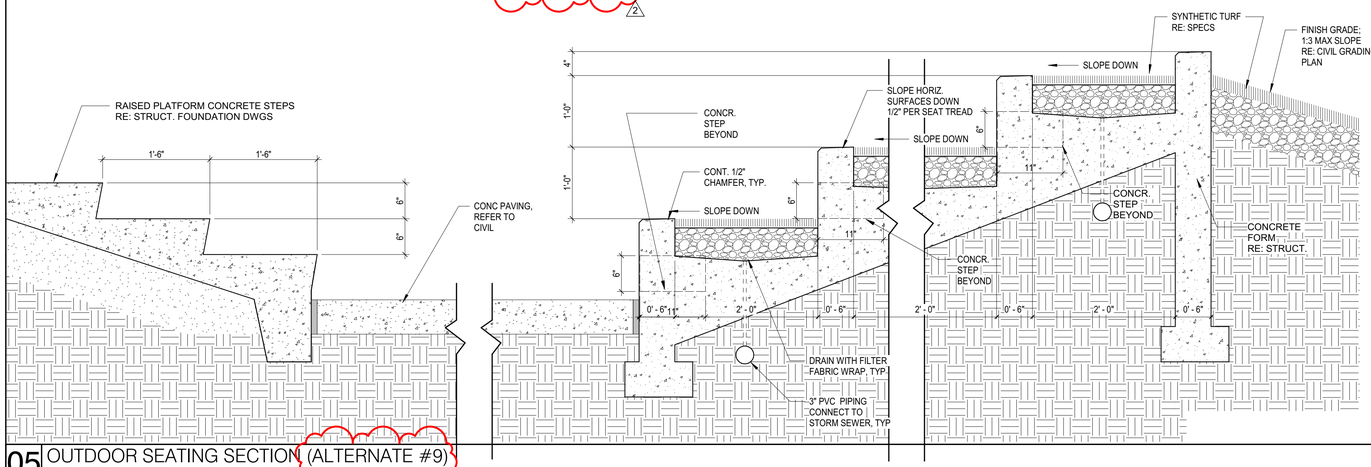
13 ENLARGED SITE PLAN AT OUTDOOR BB COURT CANOPY
1/8" = 1'-0"



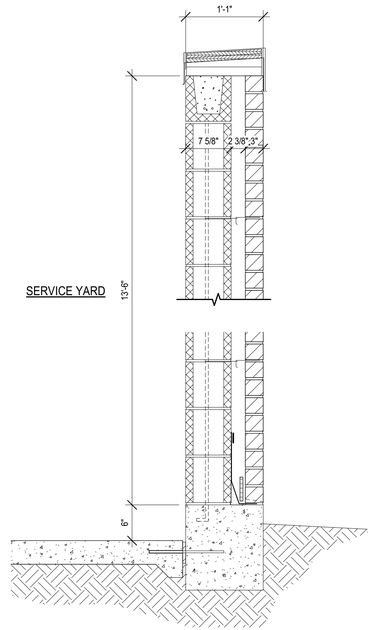
11 BB COURT CANOPY SECTION
1/4" = 1'-0"



10 OUTDOOR SEATING SECTION @ ACCESSIBLE AREA (ALTERNATE #9) 2
1" = 1'-0"



05 OUTDOOR SEATING SECTION (ALTERNATE #9) 2
1" = 1'-0"



01 WALL SECTION AT SERVICE YARD
1" = 1'-0"

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

CLINE ELEMENTARY SCHOOL
CAMPUS REPLACEMENT

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

G D E F C B A

KEY PLAN NORTH: PLAN TRUE

REGISTERED ARCHITECT MELISSA TURNBOUGH #31779 STATE OF TEXAS

Melissa Turnbough

Dec 17 2021

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

SITE DETAILS

AS303

File Path: C:_RevitLocal\20380_FISD CLINE ES_ARCH_R21_dnunezpbk.rvt

CHECKED BY: DL

DRAWN BY: Author

Plot Stamp: 1/20/2022 6:11:33 PM

0"

1"

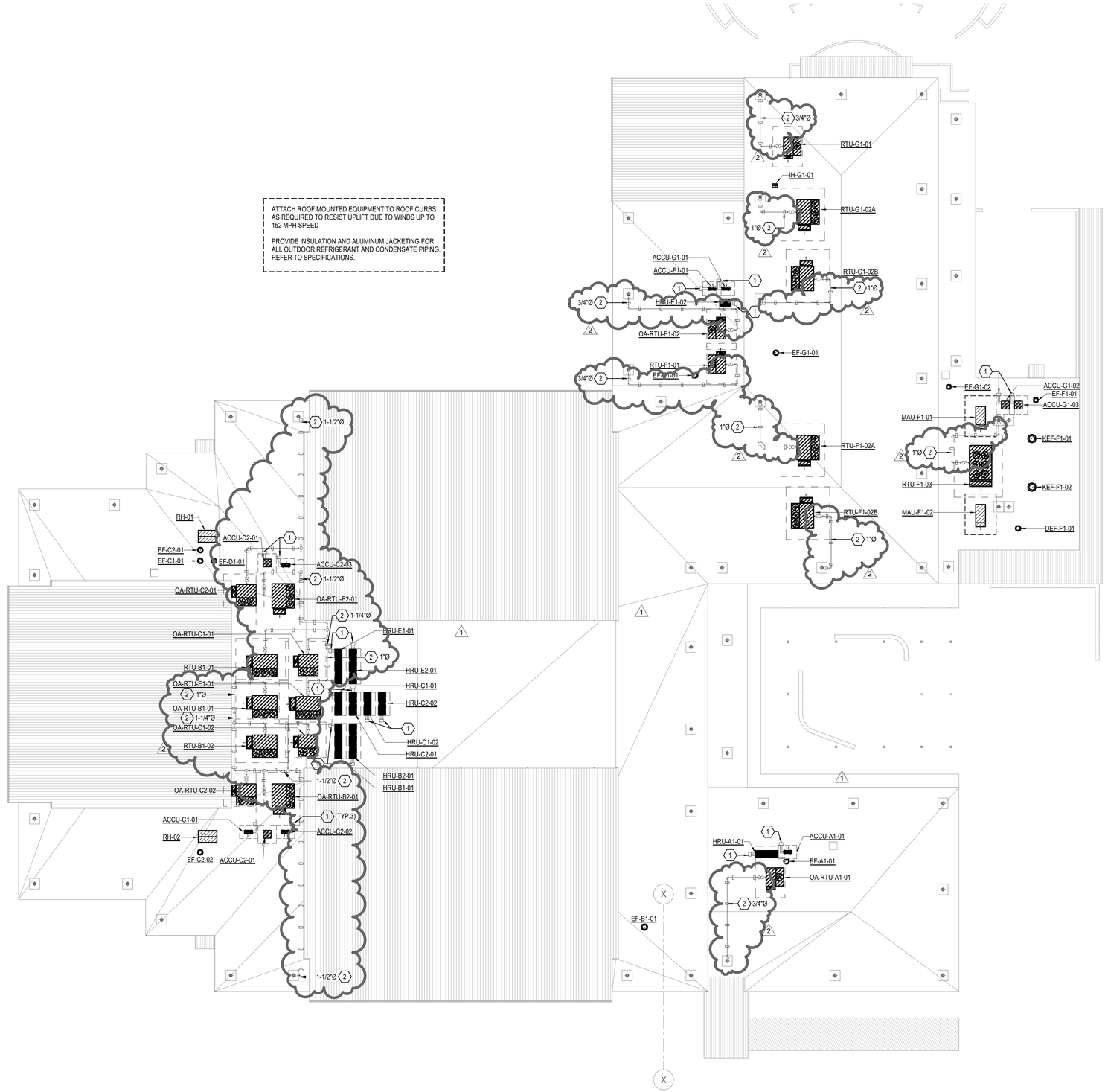
MECHANICAL ROOF PLAN

M-301

FOR BLUEBEAM LABELING/OCR:

ATTACH ROOF MOUNTED EQUIPMENT TO ROOF CURBS AS REQUIRED TO RESIST UPLIFT DUE TO WINDS UP TO 152 MPH SPEED

PROVIDE INSULATION AND ALUMINUM JACKETING FOR ALL OUTDOOR REFRIGERANT AND CONDENSATE PIPING. REFER TO SPECIFICATIONS.



KEYED NOTES

1. REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT. SIZE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE PORTABLE PIPE SUPPORTS FOR REFRIGERANT PIPING IN MAX. HORIZONTAL SPACING OF 4'-0" INTERVALS. REFER TO DETAILS. ALL OUTDOOR REFRIGERANT PIPING SHALL BE PROVIDED WITH INSULATION AND ALUMINUM JACKETING. PROVIDE STAINLESS STEEL PIPE PENETRATION ROOF HOOD.
2. ROUTE CONDENSATE DRAIN LINE OF INDICATED SIZE ON ROOF TO NEAREST ROOF DRAIN AS SHOWN. PROVIDE PORTABLE PIPE SUPPORTS FOR CONDENSATE PIPING IN MAX. HORIZONTAL SPACING OF 8'-0" INTERVALS. REFER TO DETAILS. ALL OUTDOOR CONDENSATE PIPING SHALL BE PROVIDED WITH INSULATION AND ALUMINUM JACKETING.

1 MECHANICAL ROOF PLAN
1" = 20'-0"

File Path: G:\Revit\MECH_20380_FISD CLINE ES_R21_harshal.a.munglkar.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/19/2022 4:51:14 PM

PBK

ARCHITECT PBK Architects, Inc.
PBK.com
HOUSTON
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.350.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

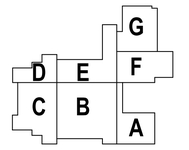
CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

LEAF ENGINEERS

1550 WEST BOULLEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT





CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM #1	01/12/2022
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

MECHANICAL ROOF PLAN

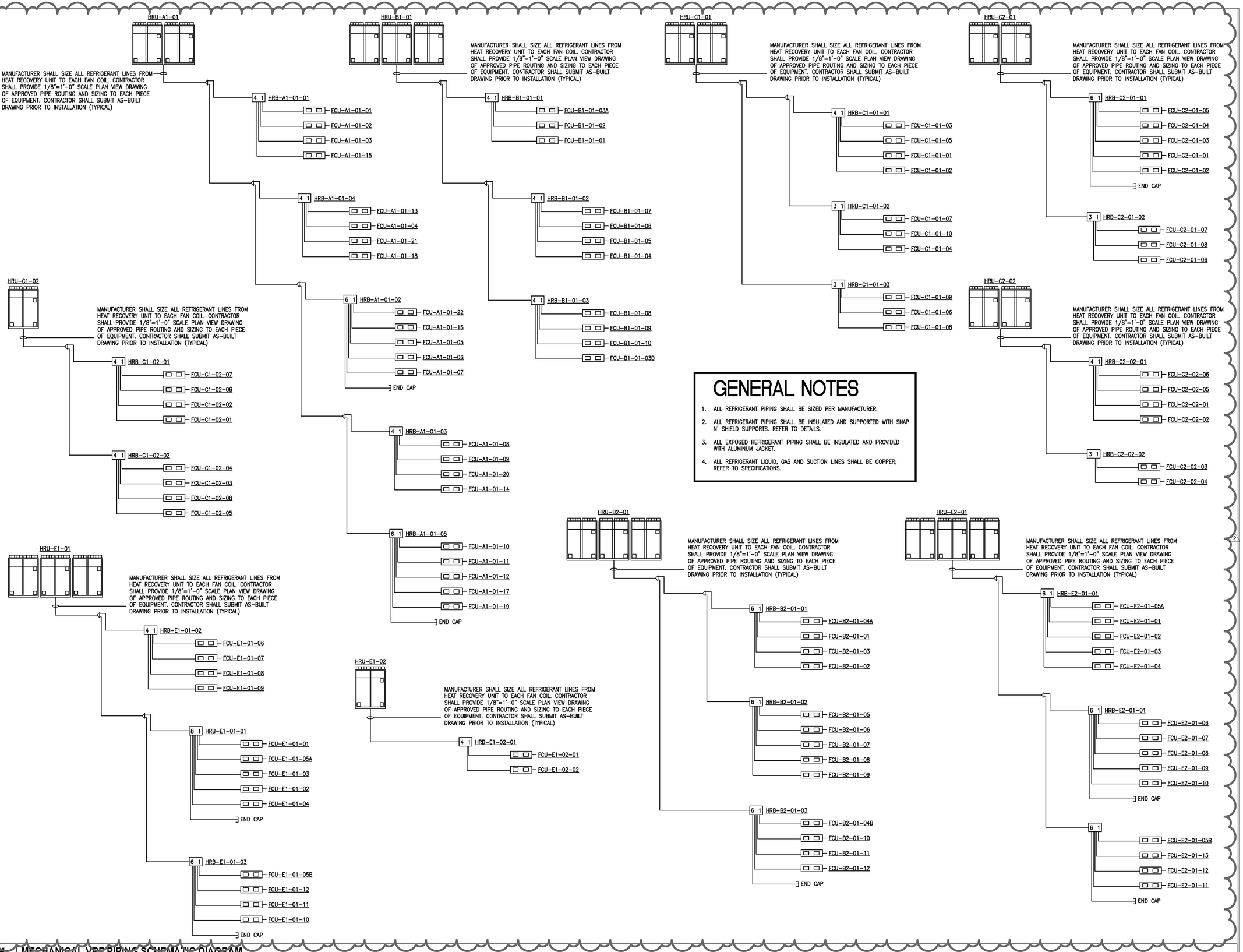
M-301

0"
1"

M-401

MECHANICAL VRF PIPING SCHEMATIC DIAGRAM

FOR BLUEBEAM LABELING/OCR:



GENERAL NOTES

1. ALL REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER.
2. ALL REFRIGERANT PIPING SHALL BE INSULATED AND SUPPORTED WITH SNAP N' SHIELD SUPPORTS. REFER TO DETAILS.
3. ALL EXPOSED REFRIGERANT PIPING SHALL BE INSULATED AND PROVIDED WITH ALUMINUM JACKET.
4. ALL REFRIGERANT LIQUID, GAS AND SUCTION LINES SHALL BE COPPER; REFER TO SPECIFICATIONS.

1 MECHANICAL VRF PIPING SCHEMATIC DIAGRAM
SCALE: NONE

File Path: G:\Revit\MECH_20380_FISD CLINE ES_R21_harshal.a.mungikar.rvt

CHECKED BY:
Checker
DRAWN BY:
Author
Plot Stamp:
1/20/2022 1:17:35 AM

PBK

ARCHITECT
PBK Architects, Inc.
HOUSTON
PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
DIG ENGINEERS
T 713.940.3238
STRUCTURAL
KUBALA ENGINEERS
T 800.248.3674
MEPT
LEAF ENGINEERS
T 713.940.3300
FOOD SERVICE
FOODSERVICE DESIGN PROFESSIONALS
T 281.300.2323
BUILDING ENVELOPE
BEAM
T 713.940.3201

LEAF ENGINEERS

CLINE ELEMENTARY SCHOOL CAMPUS REPLACEMENT

1550 WEST BOULEVARD, FRIENDSWOOD, TX 77546

ISSUE FOR CSP

FRIENDSWOOD INDEPENDENT SCHOOL DISTRICT

KEY PLAN



NORTH: PLAN TRUE



DECEMBER 17, 2021
LEAF ENGINEERS
F-18672

CLIENT
FRIENDSWOOD ISD

DATE	PROJECT NUMBER
DECEMBER 17, 2021	20380

DRAWING HISTORY

No.	Description	Date
2	ADDENDUM #2	01/20/2022

ISSUE FOR CSP

MECHANICAL VRF PIPING SCHEMATIC DIAGRAM

M-401