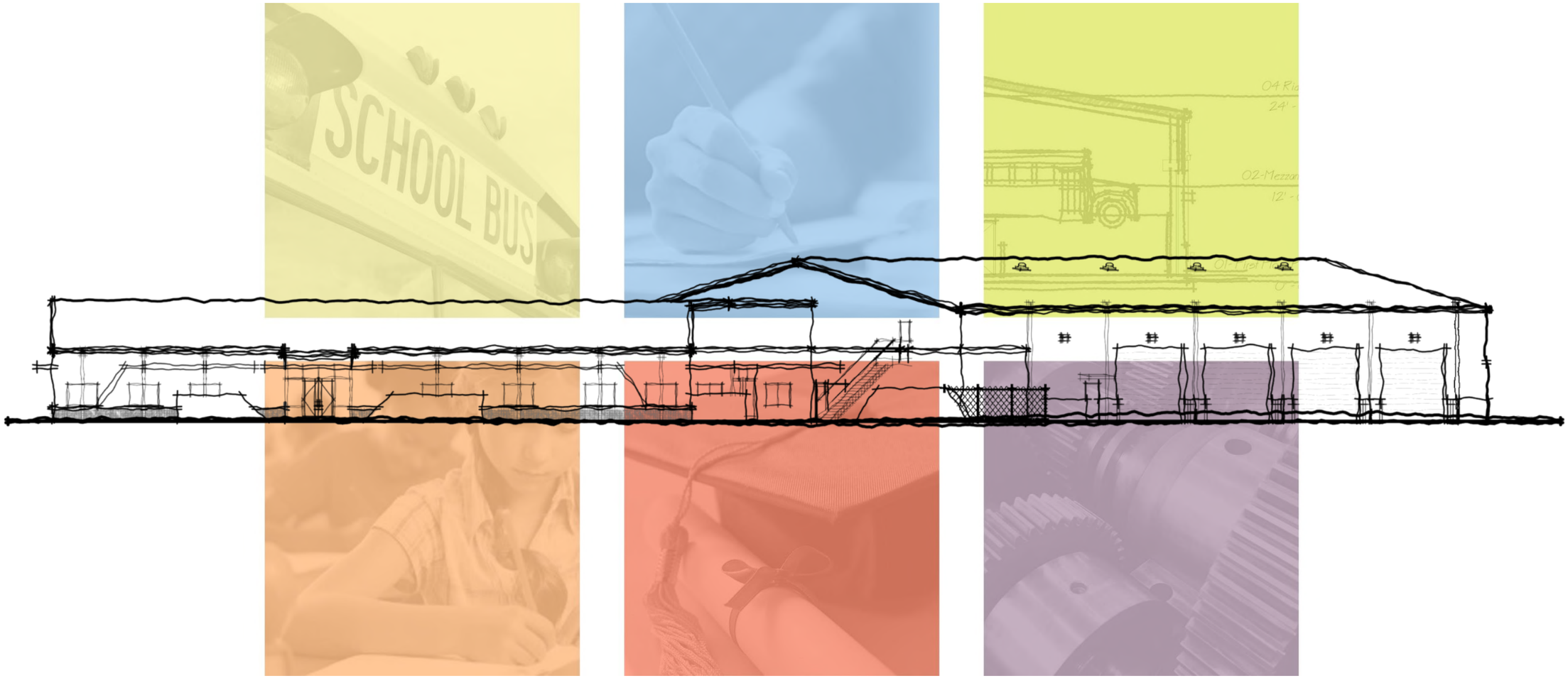
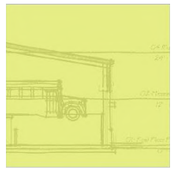
Goose Creek Transportation Center Facility

Design Development Booklet – July 17, 2015



Goose Creek Consolidated Independent School District

Table of Contents



Introduction to Project

Goose Creek Consolidated Independent School District

Core Building Committee:

Randal O'Brien | Superintendent
Anthony Price | Deputy Supt. for Administrative Services
David Fluker | Executive Director of Facilities Management

Rick Walterscheid | Sr. Director of Maintenance & Trans.
Abel Narvaez | Lead Trans. Coordinator
Michael Maignaud | Shop Foreman
Robin McGowan | Safety and Trainer Supervisor
Cheryl Garrett | Operations Supervisor
Karen Street | Transportation Dept. Secretary
Brenda Garcia | Assistant Director of Facilities Management
Bruce Riggs | Project Manager
Ray Brown | Sr. Project Inspector
Tom Ortman | Project Inspector
Carl Burg | Project Inspector
Bill Cabrera | LAN Program Manager
J. P. Grom | LAN Senior Associate, Program Manager
Howard Sampson | BOT (District 1)
Agustin Loredo III | BOT (District 2)
Jessica Woods | BOT Assistant Secretary (District 3)
Gigi Cockrell | BOT (District 4)
Jenice Coffey | BOT President (District 5)
Al Richard | BOT Vice President (District 6)
Pete Pape | BOT Secretary (District 7)

Construction Team:

TBD

JMB2 Architecture Cooperative

Architect
POB 18857
Sugar Land, TX 77496
281.980.0900

J. Matthew Brown, AIA, REFP	Principal-in-Charge
Bill Wadley, AIA	Design Principal
Matthew Morris, AIA, LEED AP	PA/PM
Anna Rich	Assist. Design/PA/PM
Mohammad Hajarian	Planner/BIM

Monghate Engineering, Inc.

Structural Engineer
7324 Southwest Freeway, Suite 815
Houston, TX 77074
713.255.3390

Mark Monghate, PE	Structural Engineer
Pedro Garcia, PE	Structural Engineer
Peter Capota, PE	Structural Designer

EMA Engineering & Consulting

MEP Engineers
3608 West Way
Tyler, TX 75703
903.581.2677

Mike Clendenin, PE	President
Will Hill	Project Manager
Jason Cox	Technology Engineer

WD Engineering

Civil Engineering
410 Asbury Street
Houston, TX 77007
713.301.4922

Will D. Wilkinson, PE	Civil Engineer

Maintenance Design Group

Maintenance Equipment Design
810 South Mason Road, Suite 208
Katy, TX 77450
832.327.6006

Mark Ellis	Sr. Design Manager
Tom Rieger	Project Manager

Introduction

Goose Creek Consolidated Independent School district regularly transports over 13,000 students and lacks the proper facility to sustain itself. As of right now the Goose Creek Transportation Facility is spread between various buildings, losing valuable time and energy going back and forth. This new building will house the entire transportation center with extra space for future growth and fully support the 3 main functions of the space: administration/operations, training/safety, and service.

Architectural Design

The building is broken into two sections based on these functions and share a centralized mechanical system, thus creating a building that can easily expand if needed. Equipped with an administrative suite, training/break rooms with direct bus vehicle training, lots of storage, and secure vestibule/corridors, this facility will serve its occupants on a basic level while giving them the tools to promote the highest level of efficiency. Utilizing inexpensive, durable materials in interesting ways the building will speak “Transportation Center”.

The Process

Our project approach, “the Co-Op,” is a well-tested, transparent process that provides structure and schedule for efficient collection and assimilation of project information. We began by touring various Transportation facilities to determine what “success” would look like for GCCISD, while staying within our budget and resources. As a team and with internal/external support, our words and visions were translated into concepts/sketches to produce a design worthy of this district, its faculty, and its students.

The Next Step

Completion of the Construction Documents (CD) phase and specifications for bidding will be the final documents segment after client review and approval of the DD documents. This phase focuses on the completion of bid drawings and specifications as well as a detailed review of estimated probable construction costs. The proposed schedule of documents and construction is as follows. Upon your acceptance of these documents, the construction documents may be completed and ready for bid by the mid July. Construction may commence in August followed by an approximate 11 month construction schedule, which will allow for a 2-week owner move-in period and a scheduled opening in August 2016. Within this document is the project schedule detailing these and other upcoming milestones.

Our Commitment

Our vision is to add to the district through collaboration and many years of educational facility design. We are committed to maintain and expect greatness in all facets of the work environment, client services, and especially in the quality and value of the finished project. We are very pleased to present the New Transportation Center Facility and feel that this design will be an excellent example of success for future generations.

We thank you for the opportunity to serve you.

JMB2 Architecture Cooperative
J. Matthew Brown, AIA, REFP

Program of Requirements

2

JMB2 Architecture Cooperative
PO Box 18857, Sugar Land, TX 77496
D (281)980-0900 - www.JMB2-Arch.com

GCCISD - New Transportation Center - Program of Spaces (v2.0) -

Project No.: #14-11 — last updated: 10/22/2014

Contibutors

Note: This program was developed for the above referenced project, from visioning and programming comments from owner, architect and selected knowledge contributors to provide a guide for decision-making relating to space sizes, number, adjacencies, special needs, & best/worst practices.

GCCISD Core Team: David Fluker, Rick Walterscheid, Ray Brown, Bruce Riggs, Michael Maignaud
GCCISD Addl. Team: Guillermo Cabrera (GCCISD), Erwin Enojado (GCCISD), OJ Hamel (LAN)
JMB2 Core Team: Matt Brown, Bill Wadley, Anna Rich
JMB2 Cons Team: (Civ?), MEI (Str), EMA (MEP), other

v0.1: (Original Draft): GCCISD & JMB2 Core Team Mtg (5/7/14)
v1.0: (Original): GCCISD & JMB2 Core Team Mtg (5/28/14)
v2.0: (Revisions): GCCISD, JMB2 Core + GCCISD Addl. ~~(JMB2 BW)~~ (6/11/14)
v3.0: (Revisions): ???

Revisions Legend:

v1.0, 5/28/14 - [original]
v2.0, (6/11/14) - [revisions]
v3.0, (10/6/14) - [revisions]

Initial Design Criteria and Challenges

Original Program and Design Criteria:
- Site (30-40 acres) - site selection in progress (considering 2 sites) **(4x Site Analysis concept plans provided by JMB2 - 6/11/14)**
- Design & Contruct New transportation Center Facility for GCCISD

Note:
Project Construction Budget ($10,756,358), per RFQ #14-022
Project Design & Construction Schedule is not determined, per RFQ #14-022

Current/Future Projections

		Current	Future	Notes
0	GCCISD District Enrollment	21,723	?	(2012-13 enrollment) **(1 1/2% growth/year)**
1	Number of students transported by GCCISD	**13,000+**	?	**(District demographics to be provided by GCCISD)**
2	Number of buses parked	**240**	300	**(HC Buses?)**
	Special buses/vehicles & sizes? White/landscape vehicles? Other?	**x**	**x**	**(not at this time)**
		0	0	provide for at different facility
3	Number of POV bus drivers/**monitors** to park	240	275	
4	Number of POV Business Staff + Service Saff parking	27	31	
5	Number of Visitor/Vendor vehicles to park	**5**	**5**	-5
6	Other?	?	?	

4 Step Visioning Process

Introduction: "Big Picture": Overall Design Goals/User & Visitor Experience/Success:
(Recommended CSP delivery method for this scale/new construction project type. Approach, enter site/Buildings/garage, sustainable/high performance, innovation...)

1. Exterior Character/Success/Function: (Functional design with public face, utilitarian, masonry wainscot, entrance that says "Transportation Center", lots of lighting)
2. Interior Character/Success/Function: (Public and Service spaces, large well-lit corridors, scrolling screen TV's throughout building, open air training/break facilities that can seat 250+, **natural lighting (solar tubes?)**)
3. Materials Character/Success/Function: (ext/int: concrete floors, walls/envelope, soffits/ceilings, doors/windows/openings, roofs...)
4. Site/Campus Character/Success: (low impact on surrounding communities; meet wind load, storm, etc. requirements; meet detention/site requirements; park, fuel, wash, service, walk, integrate, segregate, adjacencies, planting, security ...)

Conclusion: "Big Picture": "Ultimate Vision Success" - BHAG/Future/Success:

Applicable Association and Code Standards and Guidelines

National Codes: 2009 IBC code family, IFC, IMC, IPC, NEC 2011 (NFPA specific sections as required per Fire Marshall)
State Agencies: TEA ?
Local Governing Bodies: Baytown Building and Zoning, Baytown Fire Marshal
Energy Codes: IECC 2009, (ANSI 90.1 (State/City?...)
Accessibility Standards: (ADAAG) American's with Disabilities Act, (TAS) Texas Accessibility Standards 2012
Windstorm: (110 mph, (???))

GCCISD - New Transportation Center

Space / Function	Qty	Area	Total	Mezz.		Req	1	2	3	Fut
Building Administration/Operations Areas										
			0							
Secure Vestibule	1	**106**	**106**		card entry and buzz-in visitors **(access to FT and Recept)**					
Secure Main Corridor	1	**2,664**	**2,664**		after hours locked off from rest of building; access to toilets, mail, route binders, Time card access (TV monitor, sim to Sheldon?)					
Personal Mailboxes	1	**0**	**0**		Mailboxes (300 - 4"x12" +/-), load from backside and accessed from main secured corridor) (in lieu of personal 12x12 lockers? **(TV Monitor Adj)**					
Route Log Cubbies	1	**0**	**0**		visible from dispatch/routers; Cubbies (300 – 4"x12" +/-), no door open to main secured corridor) **incl. in Main Corridor sf**					
Reception	1	**89**	**89**		counter open to secured vestibule and main entry to admin					
Assitant Director	1	**166**	**166**		Must be at front/center of building					
Admin - Restroom (Lg)	1	**67**	**67**		unisex, size for health screening, adjacent to small conf					
Admin - Open work room	1	**75**	**75**		copy machine, files, coffee bar?					
Admin - Sm Conference Room	1	**163**	**163**		seats 4-6, used for interviews, small meetings and health screening adjacent to unisex toilet					
Admin - Lg Conference Room	1	**178**	**178**		seats 8-10/12, supervisors should have access to this room					
Admin - Central Storage	1	**51**	**51**							
Admin - Record Storage	1	**0**	**0**		high density shelving?					
Admin - Mezz Storage	1	**979**		**979**	records + ?					
~~**Admin - Small Offices**~~	~~**0**~~	~~**0**~~	~~**0**~~		~~**conf./storage until needed**~~					
Open Office	**1**	**581**	**581**		**Student Manager, Data Entry, & (3x) Payroll**					
Senior Director	1	**169**	**169**		near entry, central to admin, near conf rooms					
Admin Asst	1	**171**	**171**		near sr. dir, central to admin					
Sup 1 - Trans. Coord./Supervisor	1	**130**	**130**		adj./open to dispatch					
Sup 2 - Regular Supervisor	1	**130**	**130**		adj./open to dispatch					
Sup 3 - Special Supervisor	1	**130**	**130**		adj./open to dispatch					
Dispatch (5x)	1	**467**	**467**		Must be at front/center of building, Dispatch must make eye contact with all drivers before & after shift, 5x dispatcher stations (includes 1x lead dispatcher), 36" deep counter/knee space, 2x monitors each station – open to others, **(4'x12')** dispatch board- must be visible to all in room, 3x separate open-plan workspaces, Good Acoustics (can be very loud in this space), 10x telephone lines					
Routing Room (3x)	1	**288**	**288**		Must be at front/center of building, Across from training?, Space for 3 routers, plotter/printer, table, Good Acoustics (can be very loud in this space)					
Field Trip Coord.	1	**94**	**94**		Must be front/center of building (access to main corridor), Does not need to be connected to routers or dispatch **(Access to secured vest)**					
			0							
			0							
	subtotal: (sf)		**5,719**	**979**						
Building Training/Safety Areas										
			0							
Training Safety Coord.	1	**115**	**115**							
~~**Student Manager**~~	~~**0**~~	~~**0**~~	~~**0**~~		**Moved to "Open Ofiice" in Admin Suite**					
Master Drivers (10)	1	**389**	**389**		10 Master Drivers (oversee teams of about 25 each), Open office plan (semi-private/acoustic 5'h Partitions) - bullpen with small table(s) with computers in center/corners of room, Close proximity to small meeting rooms					
Conference Rooms	3	**116**	**348**		3 Small Meeting Rooms (seat 4-6) – adjacent to training & Master Drivers, but open to commons to be shared resource and possible future offices)					
Break/Driver Training Rooms	1	**4164**	**4,164**		sim to Spring ISD; Tables/chairs, ref, sink, base/uppers, 2x vending, etc., 6-10 computer stations (Lg. TV monitors?), Adjacent to covered break area (800-1200sf); ~~**folding partition doors. + Training Alt.**~~					
~~**Master Training Room**~~	~~**1**~~	~~**0**~~	~~**0**~~		~~**Break, master, & new hire training may be all be in one large room with folding partition doors to seat total 250-300 +?**~~					
~~**New Hire Training Room**~~	~~**1**~~	~~**0**~~	~~**0**~~		~~**More active than the other training rooms**~~					
Table/Chair Storage	1	**193**	**193**		**for all training areas, Located in Master training room?**					
Central Training Storage	1	**93**	**93**		for baby seats, vests, seat belts, etc. – adjacent to training rooms					
~~**Small Offices**~~	~~**0**~~	~~**0**~~	~~**0**~~		~~**conf./storage until needed**~~					
Training Offices	**1**	**210**	**210**							
Video Rooms	**2**	**51**	**102**							
	subtotal: (sf)		**5,614**	**0**						

GCCISD - New Transportation Center

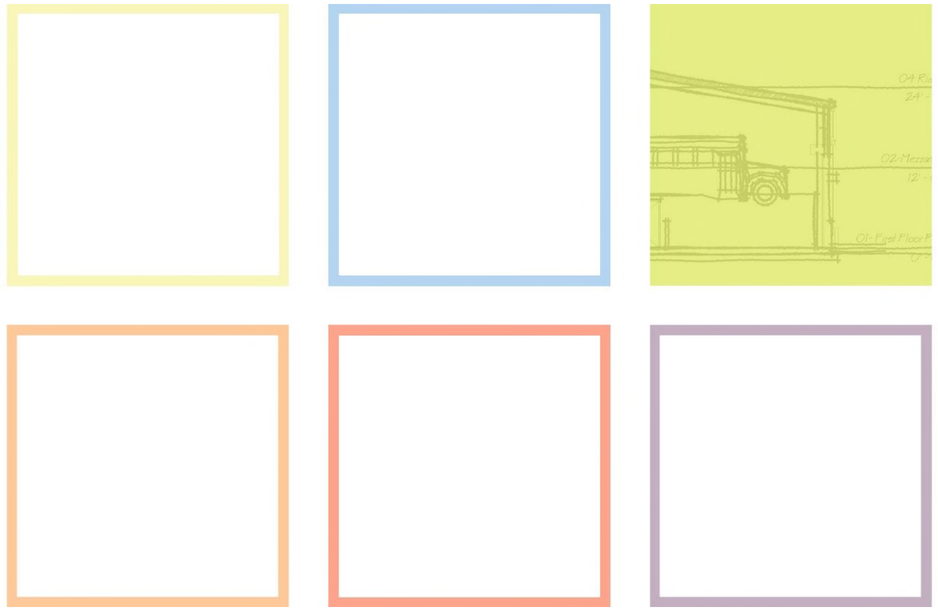
Space / Function	Qty	Area	Total	Mezz.		Req	1	2	3	Fut
Building Service Areas										
Service Bays **(6 std + 2 special = 8 total)**	6	1,036	6,216		Specialty Tire Bay (store 300 tires +/- or separate storage bldg???) and tire work area (tire change, tire balance, other?), Specialty Work Bay – divide off by curtains - for oil change, paint, minor body work, inspections…?), Each bay to have access to at the central aisle side (share btwn bays? Oil, ATF, AF, Lube, water, other? **(Air/Electrical needed at every bay)**), 2x Diagnostics computer (in central aisle location); 2x Large TV monitors showing service updates (sim to spring - airport arrive/depart type); Exhaust (fixed at exterior side), floor drains inside ea. OHCD door; Moveable equipment/tools – 8x??? Lifts, 8x??? Jack Stands, work tables (21x60 Spring bay)**(Provide designated specialty bay for**						
Deductive Alt No. 1	2	1,260	2,520		**(1 structural bay (2 service))**					
Special Bay - Tires					Store 300 tires +/- (21x60 Spring bay); **(extra air needed)**					
Special Bay - Minor repairs/paint					Minor Paint, Minor Body work, inspections (21x60 Spring bay); **(extra air needed (3x))**					
hand wash, EWC, safety	2	118	236		(each end) hand wash, EWC, emerg shower/eyewash					
Shop Foreman Office	1	126	126		Visual access to shop with adjacent space for assistant					
Shop Foreman Assistant	1	135	135		could be a counter space directly across hall from or adjacent to parts clerk and open to the foreman office area					
Wkrm, copy, sto. Area	1	153	153		Copier, & records/files storage area; part of the Foreman/Foreman's assistant office area					
Parts Room (2 levels, incl mezz.)	1	709	709		1st level + Mezzanine; Parts clerk –area that will open to shop & parts room (could be a counter space instead of room, with access to hall, shop, and parts room), Secured caged storage areas for special tools? Cameras? Other?) **incl. specialty tools, camera storage, misc. storage, and storage for big parts**					
Mezzanine Parts Room	1	1,249		1,249	(exhaust, benches, etc…)					
~~**Specialty Tools**~~	~~0~~	~~0~~	~~0~~		~~**(in parts room under stairs (locked))**~~					
~~**Camera Storage?**~~	~~0~~	~~0~~	~~0~~		~~**(Upstairs in parts room (locked))**~~					
~~**Mezzanine Misc. Storage**~~	~~0~~	~~0~~			~~**open to service area removable rails, and adjacent to parts storage mezzanine**~~					
~~**Mezzanine Storage for big parts**~~	~~0~~	~~0~~			~~**(exhaust, benches, etc…)**~~					
Break/Training Room	1	305	305		view to service area, Kitchenette, refrig, vending?, upper/lower cabs, MKBD, TV?, tables/chairs					
Women's Restroom + Locker	1	219	219		4 lockers (double stacked), 1 tlt, 1 sink, 1 shower					
Men's Restroom + Locker	1	351	351		20 lockers (double stacked), 2 tlts, 2 urinals, 2 sinks, 1 shower					
Janitor's Closet	1	61	61		w/ mop sink					
Upholstery **+ Heavy Duty**	1	272	272		Separate work and storage space					
General Storage (not parts)	1	0	0		central - sep. from parts, high density shelving?					
Battery Storage?	1	80	80		or separate storage?					
Covered Outside Storage + Other	1	576	576		4x Tanks (500 gal each ???) – oil, waste oil, ATF (automatic transmission fluid), AF (anti-freeze), 2x barrels (50 gal each???) – Lubricant, other?, Air compressor, pump, high pressure washer wand					
			0							
			0							
	subtotal: (sf)		**11,959**	**1,249**						
Core / Misc / Support / Utilities										
Outside smoke/non-smoke	1	300								
Covered common spaces	1	1,000								
Public Toilets/EWCs	2	253	506		(1M/1F) for staff and visitors (centrally located, open to secured corridor and adjacent to break room and training rooms)					
Single public Toilets	1	79	79		unisex (admin, servics, other???)					
Janitor/Housekeeping	1	132	132							
Mechanical main	1	0	0		Ext (Roof?) Multiple A/C zones, ext units					
Mechanical mezz	1	529		529	AHU - share with Admin mezz???					
Elec. Main	1	83	83							
Electric mezz	1	0		0	Panels - share with Admin mezz???					
Elec. / Tele	3	100	300							
Network / Data	2	100	200							
Fire Sprinkler Riser	1	75	75		riser room & FDC near bldg front - size, location/MEP					
			0							
	subtotal: (sf)		**1,375**	**529**						
Sub-Total Area (sf):	**subtotal: (sf)**		**24,667**	**2,757**	A - (20%) +/- circ/walls - low/min)					
Circ/walls + (25%) +/-) tot sf	**subtotal: (sf)**		**6,167**	**689**	5,485					
Total Area (sf):	**34,280**				32,909					

GCCISD - New Transportation Center

Space / Function	Qty	Area	Total	Mezz.		Req	1	2	3	Fut
Site Buildings and Main Elements										
Fuel and Bus Wash Depots										
Fuel Stations	6	800	4,800		covered **(Card access w/ auto-accounting per card)**					
Attendant Kiosk	1	80	80		for fuel stations **(Oil, lube, fluids, air, wiper, service)**					
diesel tanks (20,000 gal. ea.)	2				(stl dbl. lined), no gas or propane					
special	0				buses, landscape, white vehicles, special fuels, charge **(no gas at GCT)**					
Bus Wash	1	800	800		drive through, separate from main drives, **(covered)**					
covered/recycle water										
pump room										
special										
Parking / Exterior Spaces / Activities										
			0							
Main Bus Entry (Front)	1		0		**(secure with sliding card access gate - maybe open during day)**					
Main Bus Entry (Side)	1		0		**(secure with sliding card access gate - maybe open during day)**					
Main Entry (staff/driver/visitor)	2		0		**(secure with sliding card access gate - maybe open during day)**					
Main Entry (other)	0		0							
Secure Bus Parking	300		0		250-300, One-way parking, wide drives and wide spaces (size sim to spring), Secured entry and 4 bus stacking minimum to enter (sliding power gates- open at day?), Chevron drive in – back out pattern with small 7-8' lane between buses for 1 service gator to drive through to do minor maint. (wipers, etc..), Separate parking for vehicles to be serviced and long term bus storage? possible "High Fey Style Lights"?					
Service Aisle between Buses					**(7-8'wide for gator access - Oil, lube, fluids, air, wiper, service)**					
Special/other Bus Parking	HC??		0		(Incl HC) **(???)**					
White/Landscape Vehicles	0		0		(Not at this facility) Concrete (24' wide fire dept access loop)					
Secure Staff Parking	31		0		(240-275) Secured entry and access to building security vestibule entry Concrete (24' wide fire dept access loop) **(27-31)**					
Driver/Employee Parking	275		0		**(240-275)**					
Visitor Parking	5		0							
			0							
Walks (typ & special?)			0		(sp - use pavers/cinder? (width?)					
Fences / Security			0		**(secure gate with sliding card access gate - maybe open during day)**					
Outdoor Storage			0							
Outdoor Equipment			0							
Site Utilities			0							
Boneyard + "On-Deck"	???		0		**space to park old "parts" & long term repair buses & "On-Deck"**					
			0							
			0							
			0							
	subtotal: (sf)		**5,680**	**0**						
Sub-Total Area (sf):	**subtotal: (sf)**		**5,680**							
Circ/walls + (0)% +/-) tot sf	**subtotal: (sf)**		**0**							
Total Area (sf):	**5,680**				5,680					

Comments

Architectural Drawings



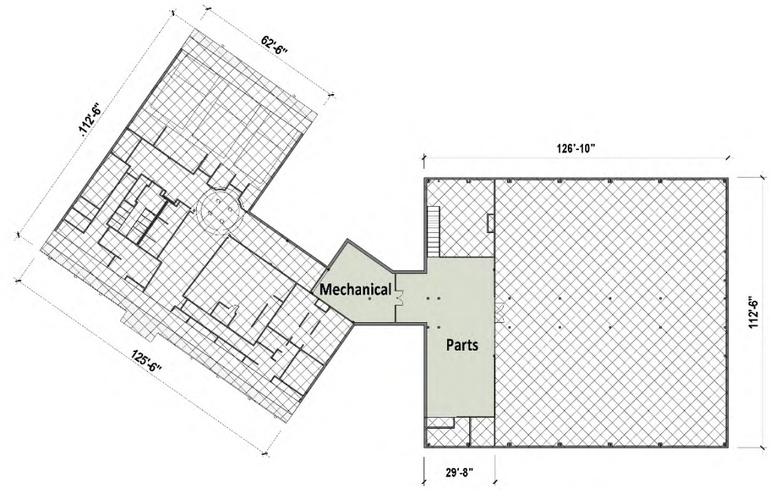
3


INTERSTATE
TEXAS
10
Barkaloo Rd.
Project Site
E. Archer Rd.
Crosby Cedar Bayou Rd.
Barkaloo Rd.
Sjolander Dr.
Sjolander Dr.


Berm & Planting
Wash
Fuel
35 sp.
Future Parking (90+ sp)
Buses (255)
12 sp.
Future
Service
Operations
Future
Staff (290)
Alt. Buffer
Possible Future Track
Gate
Future
Detention
Sjolander Outdoor Classroom to Remain
Relocated Football Field
Exist. Field
Security Fence
Berm & Planting
Possible Future Softball
Gate
Addl. MS Parking
Security Fence
Possible Future Softball
Gentry MS
Addl. MS Stacking (80-100 cars)
Possible Future Detention
Relocated CC Trail
Buses
Cars
North

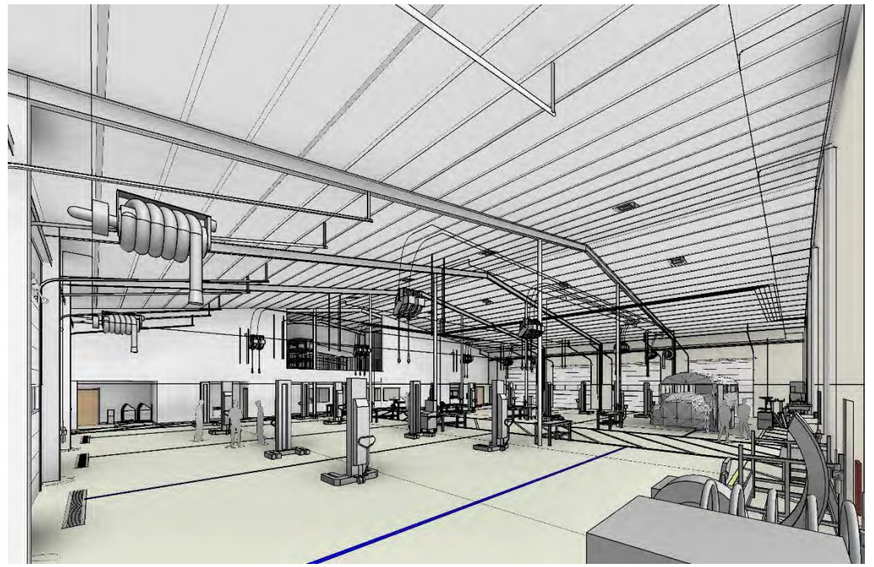
Department Legend

- Operation
- Public/Misc.
- Service
- Training

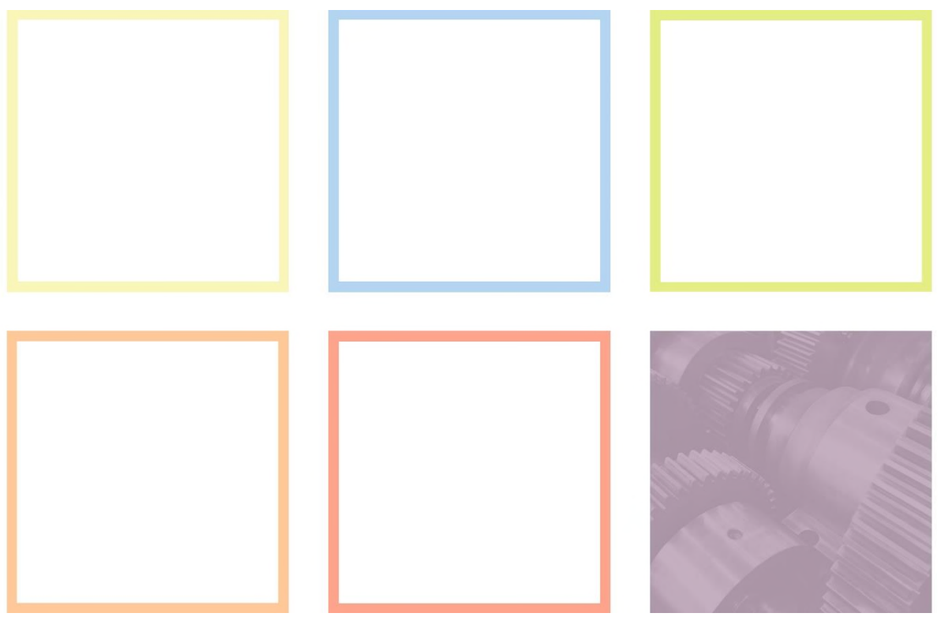



GCCISD TRANSPORTATION CENTER


GCISD TRANSPORTATION CENTER



Project Documents



4

Goose Creek Transportation Center

Goose Creek Consolidated Independent School District

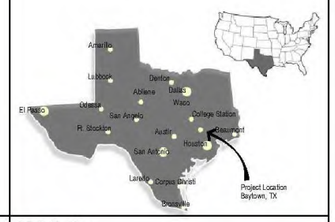
19?? E. Archer Rd., Baytown, Texas 77521

Table of Abbreviations

A		CJN	School	MAINT	Maintenance	S		
AB	Anchor Bolt	CJNFN	School Flat	MAS	Masonry	SB	Splash Block	
ABV	Above Finished Floor	CJST	Sidelight	MATL	Material	SC	Solid Core	
AC	Air Conditioning	CKE	Caulking	MAX	Maximum	SCD	Site Ceiling Door	
ACST	Acoustical	CLG	Ceiling	MBR	Mayflower Broiler	SCG	Site Ceiling Grille	
ADA	Americans With Disabilities Act Guidelines	CLRP	Clapboard, Exposed	MBM	Metal Building Manufacturer	SCHED	Schedule	
ADJ	Adjustable	CLT	Exterior, Sidinglother	MCP	Mechanical	SCJ	Saw Control Joint	
ADMIN	Administrative, Administrative			MCU	Mechanical	SCR	Shower Curtain Rod	
AF DR	Accordion Folding Door	F		MCJ	Masonry Expansion Joint	SCRN	Screen	
AFF	Above Finished Floor	FA	Fathwheel	MDMH	Manhole	SCT	Structural Clay Tile	
AHU	Air Handling Unit	FA	Fire Alarm	MDP	Mechanical/Electrical/Plumbing	SD	Storage Door	
ALT	Alternate	FD	Floor Drain	MEP	Manufacturer	SDG	Sealed	
ALUM	Aluminum	FE	Fire Extinguisher	MFR	Manufacturer	SDT, SDC	Sealant	
ALUM STFT	Aluminum Storefront	FEC	Fire Extinguisher Cabinet	MGR	Manager	SEP	Separate, Separation	
AMP	Amperes	FFE	Finish Floor Elevation	MH	Manhole	SF	Square Feet	
ANOD	Anodized	FHC	Fire Hose Cabinet	MICS	Multicoured Int Coating System	SGD	Sliding Glass Door	
APC	Acoustical Panel Ceiling	FIN	Finish	MID	Middle	SGL	Single	
APPROX	Approximately	FF	Finish Floor	MIN	Minimum, Minute	SH	Shelf	
ARCH	Architect, Architectural	FG	Finish Grade	MIR	Mirror	SHR	Shower	
ATTEN	Attenuation	FLASH	Flashing	MISC	Mirror	SHT	Sheet	
AUD	Auditory	FLR	Floor	MO	Masonry Opening	SIMIR	Similar	
AW	Architectural Woodwork Institute	FO	Face of __ Finish Opening	MOWD	Mayfair Board	SIM	Similar	
		FOC	Face Of Concrete	mm	Millimeter	SJ	Sealed	
B		FOF	Face Of Finish	MO	Masonry Opening, Motor Operated	SLNT	Sealant	
BC	Back Of Curb	FOM	Face Of Masonry	MPH	Miles Per Hour	SMD	Battery Hydrid Dispenser	
BD	Board	FOS	Face Of Stud	MTD	Mounted	SMDU	Battery Hydrid Disposal Unit	
BLDG	Building	FR	Fire Rated	MTL	Metal	SP	Spares	
BLKG	Blocking	FRP	Fiber Reinforced Plastic	MUL	Mullion	SPA	Spaces	
BLWD	Bellhead	FRTW	Fire Retardant Treated Wood			SPEC	Specification	
BM	Beam	FTZ	Freezer			SQ	Square	
BOD	Bottom Of Deck	FUR	Furr	N	North	SS	Stainless Steel, Stainless Steel	
BOS	Bottom Of Steel	FURG, FURS	Furring	NA	Not Applicable	SSD	Site Sanitary Sewer Clean	
BOT	Bottom	Fy	Yield Stress	NCMA	National Concrete Masonry Association	STD	Standard	
BTU	British Thermal Unit			NEG	Negative	STL	Steel	
BUR	Built Up Roof	G		NFPA	National Fire Protection Association	STO	Storage	
BW	Building Wrap	GA	Gage	NIC	Not In Contract	STOR	Storage	
		GALV	Galvanized	NO	Number	STR	Structure, Structural	
C		GB	Grab Bar	NTS	Not To Scale	STRUCT	Structure, Structural	
C	Celsius	GDW	Gypsum/Dry Wall			SUSP	Suspended	
CAB	Cabinet	GEN	General	O				
CBD	Cement Board, Backer Board	GL	Glass	OC	On Center	T		
CEM	Ceramic	GLZ	Glazing	OCC	Occupancy	T	Tgd, Thickness	
CFMF	Cold Formed Metal Framing	GR	Grade	OD	Outside Diameter/Dimension	TAS	Texas Accessibility Standards	
CH	Coat Hook	GRU	Glazed Structural Unit	OFCI	Owner Furnished/Contractor Installed	TC	Touche Cabinet	
CHBD	Chalk Board	GSP	Gypsum	OFF	Office	TECH	Technical, Technology	
CI	Cast Iron	GYP BD	Gypsum Board	OH	Overhead	TEL	Telephone	
CJ	Control Joint			OHD	Overhead Ceiling Door	TEMP	Temperature, Tempered	
CL	Center Line	H		OHG	Overhead Ceiling Grille	THK	Thick, Thickness	
CLG	Ceiling	H	Height, High	OPH	Opposite Hand	TKBD	Tackboard	
CLKG	Caulk	HB	Hose Bibb	OPNG	Opening	TKST	Tack Strip	
CLO	Clout, Cloth, Cooler	HC	Handicapped, Hollow Core	OPP	Opposite	TLT	Toilet	
CMU	Concrete Masonry Unit	HD	Head, Rivaded, Heavy Duty	OPC	Opposite	TOC	Top Of Curb, Top Of Concrete	
CNTR	Counter	HDR	Header	OVD	Overflow Roof Drain	TOD	Top Of Drain	
COL	Column	HDW	Hardware			TOM	Top Of Masonry	
CONC	Concrete	HDWD	Hardwood	P		TOS	Top Of Steel, Top Of Stud	
CONST	Construction, Covered	HM	Hollow Metal	PA	Public Address	TOW	Top Of Wall	
CONTR	Contractor	HORZ	Horizontal	PBD	Peckbd, Peckbd	TPD	Toilet Paper Dispenser	
CONT	Continuous	HR, RHR	Hour, Hours	PCP	Portland Cement Plaster	TPH	Toilet Paper Holder	
CORR	Corridor	HT	Height, High	PERP	Perpendicular	TPTN	Toilet Partition	
CPT	Carpet	HVAC	Heating/ Ventilation/ Air Conditioning	PL	Plate	TWC	Textile Wall Covering	
CT	Ceramic Tile			PLAM	Plastic Laminate	TWP	Translucent Wall Panel	
CU	Cubic	I		PLBD	Plank, Plaster	TYP	Typical	
CUST	Custodian	IBC	International Building Code	PLMG	Plumbing	TRD	Trumpet and Groove	
CWDP	Cementitious Wood Fiber Plank	ID	Inside Diameter, Dimension	PLCP	Prefabricated Lamiate Clad Panelwork			
		IN	Inch, Inches	PLYWD	Plywood	U		
D		INCAND	Incandescent	PNT	Paint	UL	Underwriter's Laboratory	
DBL	Double	INCL	Include	POR	Porcelain	UNO	Unless Otherwise Noted	
DET	Detailed, Detail	INFO	Information	PS	Pail	UR	Urinal	
DEMO	Demolition, Demolish	INSUL	Insulation	PSF/ SF	Prefabricated	UTIL	Utility	
DET	Detail	INT	Interior	PSI/ SI	Prefabricated			
DF	Drinking Fountain	IPC	International Plumbing Code	PT, PTD	Paint, Painted	V		
DIA	Diameter	IRBC	Impact Resistant Wall Covering	PTD	Paper Towel Dispenser	V	Volts	
DIAG	Diagram, Diagonal			PTDR	Paint Grade	VCT	Vinyl Composition Tile	
DIM	Dimension	J		PTN	Partition	VERIFY	Verify	
DISP	Dispenser	JAN	Janitor	PT WD	Preservative Treated Wood	VERT	Vertical	
DN	Down, Drain	JST	Joist	PVC	Polyvinyl Chloride	VEST	Vestibule	
DW	Dishwd, Dishwasher	JT	Joint	PWD	Plywood	VTD	Vault, Through Roof	
DWPR	Dampproofing					VWC	Vinyl Wall Covering	
DW	Dwwd	K		Q				
DOG, DOGS	Dressed(s)	KIT	Kitchen	Q	Question	W		
DR	Door	KTCR	Kitchen	QA	Quality Assurance	W	Wash, Wash, Width	
DS	Downspout	KOP	Knock Out Panel	QT	Quarry Tile	WC	With	
DTL	Detail					WB	Wall Base	
DWG	Drawing	L		R		WC	Water Closet	
DWR	Drawer	L	Length, Long	R	Radius	WD	Wood	
		L	Angle, Angle Shape	RAD	Radiant Athletic Flooring	WH	Water Heater	
E		LAM	Laminate	RADF	Radiused Asphaltic Sheet Flashing	WO	Without	
E	East	LAV	Lavatory	RBR	Rubber	WOM	Women	
EA	Each	LB	Pound	RCP	Reinforced Concrete Pipe	WP	Weatherproof, Waterproofing	
EIFS	Exterior Insl Finish System	LF	Linear Foot	RD	Roof Drain	WRGBB	Water Resistant Gypsum Backer Board	
EJ	Expansion Joint	LG	Length, Long	REINF	Reinforced, Reinforcement	WRGDB	Water Resistant Gypsum Board	
EL	Elevation	LIB	Library	REF	Refer, Reference, Refrigerator	WS	Weather Strip	
ELEC	Electrical	LKR	Locker	REFTG		WT	Weight	
ELEV	Elevator, Elevation	LLH	Long Leg Horizontal	REQT	Representative	WWC	Wallboard Wire Fabric	
EQ	Equal	LLH	Long Leg Horizontal	RESIL	Resilient			
EQUIP	Equipment	LLV	Long Leg Vertical	RESIL	Resilient			
EQ.SP	Equally Spaced	LPD	Liquid Soap Dispenser	RGST	Register			
EQUIP	Equipment	LT/WT	Lightweight	RH	Roof Hatch			
ETC	Et Cetera	LVR	Louver	RN	Room			
EW	Each Way			RO	Rough Opening			
EWC	Electric Water Cooler			RTG	Rating			
				RW	Roof Well			
				RWBS	Resilient Wood Athletic Flooring			

Misc.	
#	Number
@	At

Location Map



Index of Drawings

General

G001	Cover, Index of Drawings
G101	Code Review-Operational/Service Building
G102	Code Review-Bus Wash & Fuel Canopy
G202	Wall to Deck Details

Architectural Site

AS100	Overall Site Plan
AS101	Enlarged Site Plan
AS102	Enlarged Site Plans
AS103	Site Signage & Details

Civil

C1.01	Cover Sheet
C1.02	General Notes
C1.03	Overall Site Plan and Fire Lane Layout
C1.04	Drainage Area Map and Calculations
C1.05	Bus Parking Plan
C1.06	Transportation Center Building and Staff Parking
C1.07	Football Field Relocation
C1.08	Gentry Junior High Parking Addition
C1.09	Fueling Station Area
C1.10	Driveway Connections to E. Archer Right-of-Way
C1.11	Detention Plan and Profile and Storm Water Quality Feature
C1.12	Storm Water Pollution Prevention Plan
C1.13	Storm Water Pollution Prevention Plan Details
C1.14	Utility and Storm Water Quality Feature Details
C1.15	Miscellaneous Details
C1.16	Traffic Control Plan

Structural

S001	General Notes
S110	Foundation Plan-Overall
S111	Foundation Plan-Office Bldg. - Area "A"
S112	Foundation Plan-Shop Bldg. - Area "B"
S113	Foundation Plan-Fuel Canopy & Bus Wash
S114	Mezzanine Plan
S301	Typical Foundation Details
S302	Foundation Details
S303	Foundation Details
S304	Foundation Details
S401	Concrete Masonry Details

Architectural

A110	Overall Floor Plan
A131	Building "A" - Enlarged Plan
A132	Building "B" - Enlarged Plan
A133	Enlarged Mezzanine Plan
A141	Fuel Canopy Plan, Elevations & Section
A142	Bus Wash - Building "D"
A151	Roof Plan
A201	Area "A" - Exterior Elevations
A202	Area "B" - Exterior Elevations
A211	Building Sections
A212	Building Sections
A301	Wall Sections
A302	Wall Sections
A320	Exterior Section Details
A401	Enlarged Toilet Plans
A410	Stair Plans, Sections & Details
A501	Door Schedule
A502	Door and Window Types
A611	Reflected Ceiling Plan
A701	Bldg A - FFE Plan
A732	Bldg B - FFE Plan
A901	Materials Schedule
A902	Room Finish Schedule
A921	Interior Elevations
A922	Interior Elevations
A940	Interior Details

Service Equipment

Q001	Equipment Schedules & Notes
Q101	Maintenance Bldg. Equipment Layout Plan
Q102	Mezzanine Level Equipment Layout Plan
Q201	Fueling Bldg. Equipment Layout Plan
Q301	Wash Bldg. Equipment Layout Plan
Q500	Equipment Details & Enlarged Plans

Mechanical

MH1.1	Mechanical Floor Plan - Area "A"
MH1.2	Mechanical Floor Plan - Area "B"
MH1.3	Mechanical Floor Plan - Mezzanine
MH5.1	Mechanical Overall Roof Plan
MH7.1	Mechanical Details
MH8.1	Mechnical Symbols and Schedules

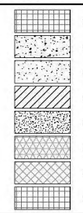
Electrical

EL1.1	Lighting Floor Plan - Area "A"
EL1.2	Lighting Floor Plan - Area "B"
EP1.1	Electrical Floor Plan - Area "A"
EP1.2	Electrical Floor Plan - Area "B"
EP1.3	Electrical Floor Plan - Mezzanine
EP1.4	Electrical Power Plan - Fueling Station
EP1.05	Electrical Floor Plan - Bus Wash Bldg.
EP7.01	Electrical Details
EP7.02	Electrical Details
EP7.03	Electrical Details
EP9.01	Electrical Riser Diagram
ET1.1	Electrical Communications Floor Plan - Area "A"
ET1.2	Electrical Communications Floor Plan - Area "B"
ET7.1	Electrical Communications Details and Symbols

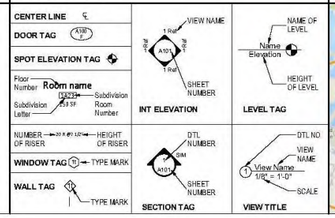
Plumbing

PL1.1	Plumbing Floor Plan - Area "A"
PL1.2	Plumbing Floor Plan - Area "B"
PL1.3	Plumbing Floor Plan - Fueling Station
PL1.4	Plumbing Floor Plan - Mezzanine
PL5.1	Plumbing Enlarged Floor Plans
PL7.1	Plumbing Details
PL7.2	Plumbing Details
PL8.1	Plumbing Schedules

Materials Legend



Symbols Legend



Vicinity Map

JMBZ Architecture Cooperative - PO Box 16887 - Sugar Land, TX 77496 - 713.922.7118 M - 281.980.0950 D - 281.980.0948 F - WWW.JMBZ.COM

John Matthew Brown, AIA - Texas Registration #34276 - "Not for Regulatory Approval, Permitting or Construction"

7/14/2015 3:52:21 PM

NOTE: 40% scale when printed at 11x17 size)

JMBZ ARCHITECTURE COOPERATIVE
PO Box 16887 Sugar Land, TX 77496
281.980.0950 www.JMBZ-ARCH.com

Consultants:

CIVIL:	WD Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL:	Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.255.3390
MEP:	EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE:	Maintenance Design Group 810 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006

Issue Date: 10/29/14

John Matthew Brown, AIA Texas Registration #34276 Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-64 Interstate 10 East, Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/29/14
Drawn by	AR
Checked by	JMB
*Scale	As indicated

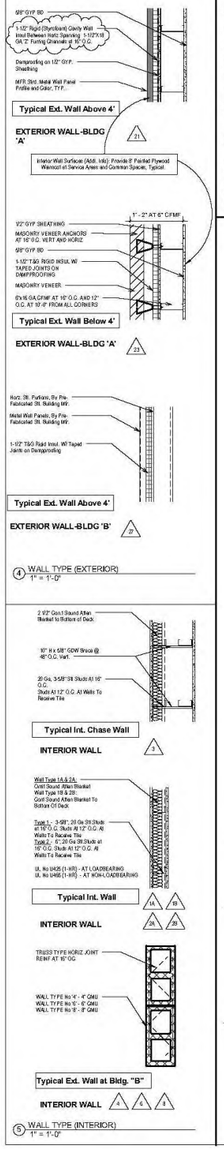
Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan NTS

Sheet Title:
Cover, Index of Drawings

G001



General Wall Type Notes

1. GYP BD To Be 5/8" Fire Resistive, U.O.N.
2. Ref. to Code Review In The "General" Sheets for Locations and Extent of Rated Assemblies.
3. Not Used.
4. Not Used.
5. Provide Cont. Acoustical Sealant on Both Sides at Adjacent Walls and at Top and Bottom of Gypsum Board Assembly Walls To Floor/Roof Deck and Floor.
6. Refer to Exterior Elevations and Wall Sections for Additional Exterior Veneer Info.
7. Provide 1/2" Cementitious Tile Backer Board Behind Tile at Showers and Wet Walls. Provide 5/8" WR GYP BD Behind Tile on Other Walls and at Wet Walls, U.O.N.
8. Provide Sound Attenuation Fire Blanket Insulation at All Restroom Walls and Mechanical Room Wall(s) Adjacent to Administration Offices and Training/Breakroom.
9. Provide a Cont. Bond Beam at the Bottom of CMU Walls at The First Course Above The Floor Level - Discontinue Bond Beams Into Reinforced Jambs at Openings in Walls.
10. Provide A Cont. Bond Beam at 8'-0" O.C. Max Vertically (Align with Door Head Lintels Where Possible) For Running Bond CMU - and - at 4'-0" O.C. Max Vertically (Align with Door Head Lintels Where Possible) for Stack Bond CMU. for Spacing Above Door Heads, Start Measuring from The Center Line of Lentels. Discontinue Bond Beams Into Reinforced Jambs at Openings in Walls or Into Other Bond Beams Where Top of Wall Slopes.

Fire Assembly Legend/Notes:

1-Hr. Walls and Ceiling Above

2-Hr. Walls and Ceiling Above -

1. Extents of horizontal fire assemblies are designated on this plan.
2. Not Used
3. Firestalls all penetrations through horizontal fire assemblies. Refer to U.L. guidelines for appropriate assemblies.
4. Install fire dampers at mechanical ducts penetrating horizontal fire assemblies as indicated on mechanical drawings.
5. Designated U.L. assemblies establish A basis for performance. Alternate assemblies will be considered when equivalent performance is demonstrated. Substitution proposals shall include changes required to all components of the assembly.
6. All conduit, pipes, ducts, & miscellaneous penetrations through floor must be treated as penetrations through rated enclosures. Refer to U.L. Guidelines for appropriate assembly.
7. Not Used.
8. Fire Stop Det at second floor Ref C1/G3.62.

Wall to Deck Rating Legend

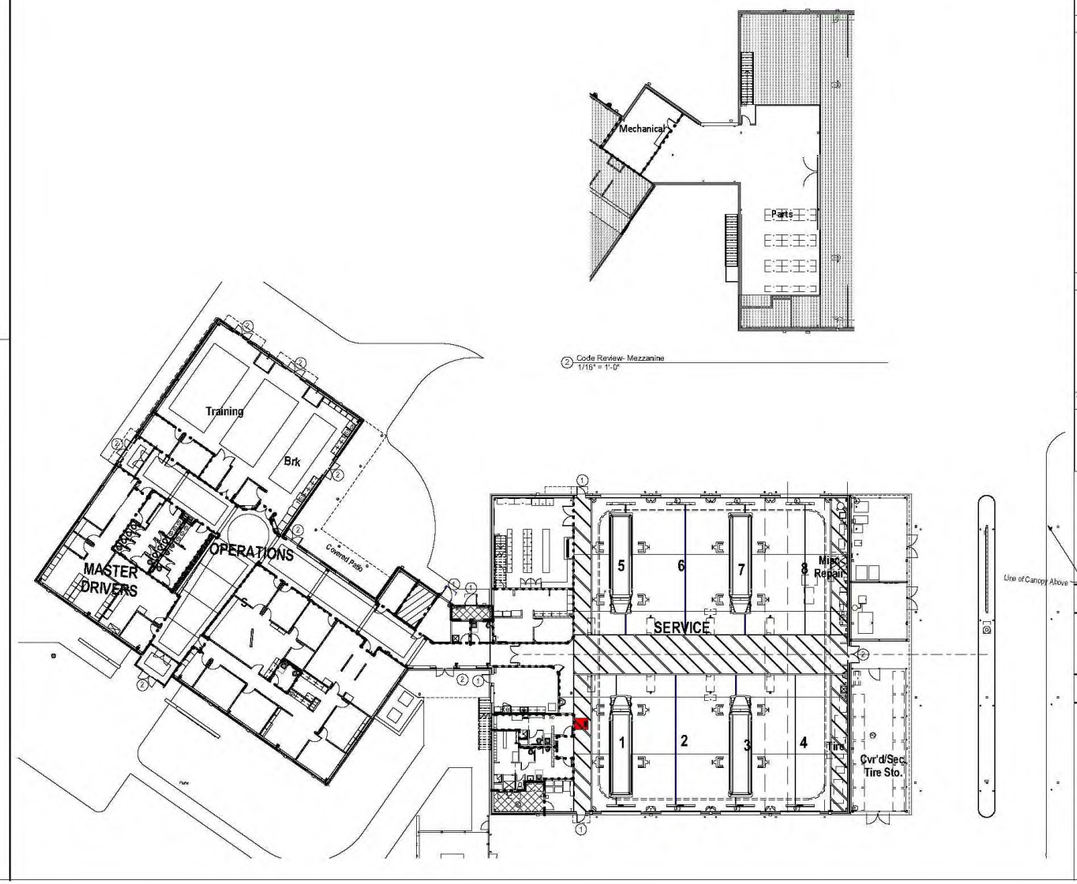
1-Hr Wall to Deck (45 min. Openings), U.L. No U465 at Stud Constr., NCMA-TEK 7-1a -Fire Resistance [2001] at CMU Constr.

2-Hr Fire Wall To Deck (1.5 Hr Openings), U.L. No U411 at Stud Constr.; NCMA-TEK 7-1a -Fire Resistance [2001] at CMU Constr.; U.L. No U905 at CMU Constr.

Non-Rated Wall to Deck - 8" Above Ceiling

Notes:
All Walls Typically Are Non-Rated Walls To Deck To 8" Above The Ceiling (U.O.N.) Refer Detail D2/G 2.62.
Typical Int Column Enclosures Are Not Rated and Extend to 8" Above Finish Ceiling Unless Otherwise Indicated. GDW Enclosures Per Det A2-A9/AP 5.04 Occur at Classroom Wing. CMU Enclosures Per Det D5, D6, B5/AP 5.03.
Refer to Wall Termination Details on Sheet G3.01 – Brace All Walls to Structure Above as Required.

Wall Bracing Notes:
1. GYP BD and STL. Stud Walls to Deck: Use Details D2, D3 and E1/G 3.01 at All GYP BD Walls to Deck.
2. GYP BD and STL. Stud Walls To Above Ceiling: Use Detail D4/G 3.01 at All GYP BD Walls to Above Ceiling.



② Code Review- Mezzanine
1/16" = 1'-0"

Code Review - IBC 2012

I. Building Class/Type: (Ch 3, 5, 6, 9)

PRIMARY OCCUPANCY: (302) A-2 – Assembly Group - Training/Break Room
SECONDARY OCCUPANCY(s): (304) 'B' - Business Group - Office/Administration
SECONDARY OCCUPANCY(s): (311) 'S-1' - Storage Group - Automotive Repair

CONSTRUCTION TYPE: (Tab. 600) TYPE II-B, (A-2, < 9,900 sf, 2-story, most restrictd)
AUTOMATIC SPRINKLER SYSTEM: (903) YES (903.2.1.2 <S,000sf, <100occs)

BUILDING AREA/HEIGHT LIMITATIONS(TAB 506.3) * with increases allowed for Automatic Sprinkler
Allowable for 'A-2' Occupancy 28,000sf / 3 stories / 85' height
(Assume <9,500sf, 2 story, <55'ht, mixed use, per "Non-Separated Uses", 508.3)

BUILDING AREA/HEIGHT ALLOWABLE/ACTUAL:
Allowable Area: 7,125 sf max.
(Most Restrictive (Const. Type II-B, Occ. A-2), per "Non-Separated Uses", 508.3)
Allowable Height: 85' max / 3 stories

R'EPROOFING REQUIREMENTS: (TAB 601 – TYPE II-B) hrs (all building elements)
STRUCTURAL FRAME: 0 hrs
BEARING WALLS: (exterior) 0 hrs
NONBEARING WALLS / PARTITIONS: (exterior) hrs
FLOOR CONSTRUCTION: 0 hrs
ROOF CONSTRUCTION: 0 hrs

II. Fire Protection Requirements:(Tab 602– Type II-B– Occ Groups A-3,E,B)

EXTERIOR WALLS: (tab 602)
(X>-30' to property line) 0 hrs
CORRIDORS: (TAB 1018.1) 0 hrs (< 30 occ or sprink)
SHAFT ENCLOSURES: N/A
STAIRWAYS: N/A

III. Means of Egress: (Chapter 10)

OCUPANT LOADS: (TAB 1004.1.2)
A-2 – Assembly: 15sf net (unconcentrated: tables/chairs):
2,650sf/15 = 177 occupants
B – Business: 100sf gross
12,166 sf/100 = 122 occupants
S-1 – Storage: 20sf net (311.2, considered part of S-1 occ)
11,883 sf/300 = 39 occupants
Total combined occupant load: = 340 occupant total

EGRESS REQUIREMENTS: (without automatic sprinklers)
Minimum Corridor Width: (TAB 1018.2) 44"min.
Egress Width per Occupant: (TAB 1005.3.2) Doors = 0.2"/occ Stairs = 0.3"/occ (N/A)

NUMBER OF EXITS REQUIRED:
Rooms & Spaces: (TAB 1021.2d) 1-500 occ = 2 exits req'd.
Spaces: (TAB 1014.1) 1-49 occ = 1 exit req'd.
Mezzanine: (505.1.#1)
MAXIMUM TRAVEL DISTANCE TO EXIT: (TAB 1016.2) 250' (with automatic sprinkler system)
MAXIMUM LENGTH OF DEAD END CORRIDOR: (1018.4) 20' (or 2.5x Width, 1017.3, #3)
EXIT THROUGH INTERVENING SPACES: (1014.2) Allowed through accessory spaces only (not allowed through hazardous, kitchens, sto...)

COMMON PATH OF TRAVEL: (1014.3) 100' (to choice of 2 exit paths)
ELEVATOR: (1060.7) N/A
ACCESSIBLE MEANS OF EGRESS: (1007) TAS (207.1) & comply with 2012 IBC, 1007

IV. Separation Requirements:

OCCUPANCY SEPARATION BETWEEN PRIMARY & SECONDARY OCCUPANCIES: (section 508)
No separation required between occupancies, per "NON-SEPERATED USES, 508.3.2
allowances/requirements – Use most restrictive provisions of the fire protection requirements, based on the most restrictive construction type and occupancy requirements.
INCIDENTAL USE AREAS: (TAB 509)
Archive Storage areas over 100sf: 2 hr (90 min rated doors)
Battery Storage over 100sf: 1 hr (45 min rated doors)
ACCESSORY USE AREAS: (508.3.1)
Fire Separation is not required for accessory use areas if the total area is not more than 10% of the total area of the story, in which it is located.

V. Miscellaneous Detailed Requirements:

CEILING HEIGHT:
7'-6" min. – Occupiable Spaces (1008.2)
7'-0" min. – kitchen, toilet, sto. Laundry (1008.2)
7'-0" min. - Means of Egress (1008.2)

Minimum Required Plumbing Fixture Count Table

Note:
Urinal Substitution for Water Closets (UPC 2003, 419.2)
- 67% allowed for Occs. 'A' & 'E' - 50% allowed for all other Occs.
Travel Distance Maximum (2902.4.1) - fixtures count within 500' max distance, other than assembly.
Design Capacity - TBD

Occ./ Egress Legend/ Notes:

EGRESS (SEC 1005.1), (SEC 1023.6.1 - ASSEMBLY WITHOUT SMOKE PROTECTION)
1 3'-0" ASSEMBLY DOOR (33.2" CLR.) AT 0.2" PER PERSON = 166 PERSONS
2 PAIR 3'-0" ASSEMBLY DOOR (66.4" CLR.) AT 0.2" PER PERSON = 332 PERSONS
3 3'-0" DOOR (33.2" CLR.) AT 0.15" PER PERSON = 222 PERSONS
4 PAIR 3'-0" DOOR (66.4" CLR.) AT 0.15" PER PERSON = 443 PERSONS
5 4'-0" DOOR (46.2" CLR.) AT 0.15" PER PERSON = 308 PERSONS
EXIT EGRESS PATH OF TRAVEL
EXIT DISCHARGE PER SEC 1024.1, EXCEPTION 1
FEC - Locate Per "NFPA 10" (75' Max.) - Field Locate/Coordinate Exact Locations with Architect in Field, Ref B3/A1.2.11, Typ. - Contractor to Verify Exact Amount and Location Compliance and Provide Additional Fecs Per Fire Marshall Req'ts.

JMB2 ARCHITECTURE COOPERATIVE
PO Box 19887 Sugar Land, TX 77496
281.980.0900 www.JMB2.ARCH.com

Consultants:
CIVIL: WO Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922
STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.255.3360
MEP: EMA-Estes Molure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677
BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/29/14

John Matthew Brown, AIA
Texas Registration #34276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4544 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/29/14
Drawn by	AR
Checked by	JMB
*Scale	As indicated

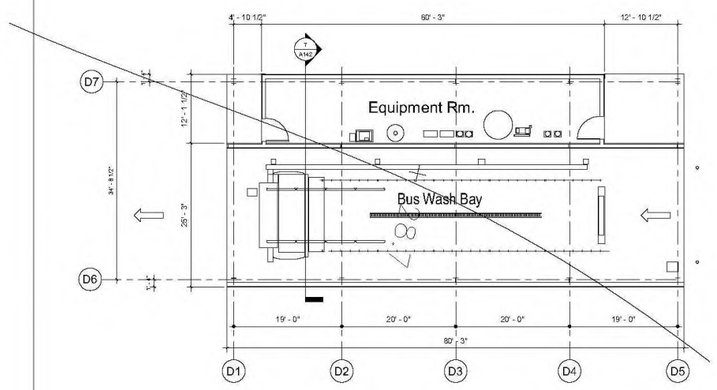
Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

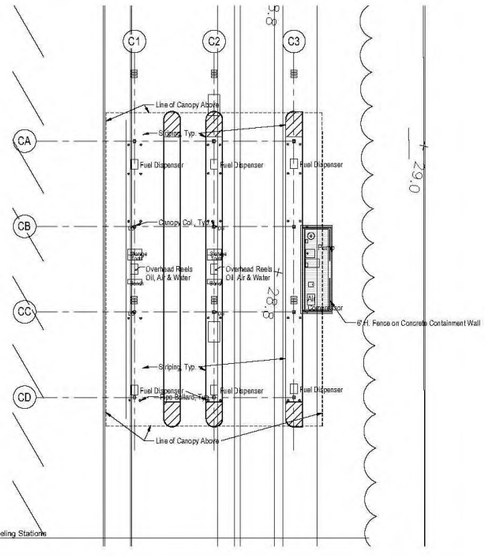
Key Plan
NORTH NTS

Sheet Title:
Code Review-Operations/Serv Building

G101



4 D1 - Bus Wash
1/8" = 1'-0"



1 Code Review - Fueling Stations
1/16" = 1'-0"

BUS WASH BUILDING CODE REVIEW

I. Building Class/Type: (Ch 3, 5, 6, 9)

PRIMARY OCCUPANCY: (303) F-1 – Factory/Industrial
SECONDARY OCCUPANCY(s): (304) S-1* - Storage

CONSTRUCTION TYPE: (Tab. 503) TYPE II-B, (Non-combustible)
AUTOMATIC SPRINKLER SYSTEM: (903) NO (<15,000sf & 17,500 sf)

BUILDING AREA/HEIGHT LIMITATIONS: (TAB 506.3) 2 stories/ 55' (no increases)
Allowable for 'A-2' Occupancy 28,000sf / 3 stories / 55' height

BUILDING AREA/HEIGHT ALLOWABLE/ACTUAL:
Allowable Area : 3,002 sf actual
Allowable Height: 55' max./ 3 stories

FIREPROOFING REQUIREMENTS: (TAB 601 – TYPE II-B) 0 hrs (all building elements)
STRUCTURAL FRAME: 0 hrs
BEARING WALLS: (ext/int) 0 hrs
NONBEARING WALLS / PARTITIONS: (ext/int) hrs
FLOOR CONSTRUCTION: 0 hrs
ROOF CONSTRUCTION: 0 hrs

II. Fire Protection Requirements:(Tab 602– Type II-B)

EXTERIOR WALLS: (tab 602)
(X>-30' to property line) 0 hrs
CORRIDORS: (TAB 1018.1) 0 hrs (< 30 occ or sprink)
SHAFT ENCLOSURES: N/A
STAIRWAYS: N/A

III. Means of Egress: (Chapter 10)

OCCUPANT LOADS: (TAB 1004.1.2)
f-1 – Factory/Industrial: 100sf gross (open areas only)
2,627 sf/100 = 26 occupants
S-1 – Storage: 734sf net (311.2, considered part of S-1 occ)
734 sf/300 = 3 occupants
Total combined occupant load: = 29 occupant total

IV. Separation Requirements:

OCCUPANCY SEPARATION BETWEEN PRIMARY & SECONDARY OCCUPANCIES: (section 508)
No separation required between occupancies, per "NON-SEPERATED USES, 508.3.2 allowance/requirements – Use most restrictive provisions of the fire protection requirements, based on the most restrictive construction type and occupancy requirements.
INCIDENTAL USE AREAS: (TAB 509)
NA
ACCESSORY USE AREAS: (508.3.1)
NA

FUELING CANOPY CODE REVIEW

I. Building Class/Type: (Ch 3, 5, 6, 9)

PRIMARY OCCUPANCY: (303) F-1 – Factory/Industrial
SECONDARY OCCUPANCY(s): (304) S-1* - Storage

CONSTRUCTION TYPE: (Tab. 503) TYPE II-B, (Non-combustible)
AUTOMATIC SPRINKLER SYSTEM: (903) NO (<15,000sf & 17,500 sf)

BUILDING AREA/HEIGHT LIMITATIONS: (TAB 506.3) 2 stories/ 55' (no increases)
Allowable for 'A-2' Occupancy 28,000sf / 3 stories / 55' height

BUILDING AREA/HEIGHT ALLOWABLE/ACTUAL:
Allowable Area : 3,002 sf actual canopy area
Allowable Height: 55' max./ 3 stories

FIREPROOFING REQUIREMENTS: (TAB 601 – TYPE II-B) 0 hrs (all building elements)
STRUCTURAL FRAME: 0 hrs
BEARING WALLS: (ext/int) 0 hrs
NONBEARING WALLS / PARTITIONS: (ext/int) 0 hrs
FLOOR CONSTRUCTION: 0 hrs
ROOF CONSTRUCTION: 0 hrs

II. Fire Protection Requirements:(Tab 602– Type II-B)

EXTERIOR WALLS: (tab 602)
(X>-30' to property line) 0 hrs
CORRIDORS: (TAB 1018.1) 0 hrs (< 30 occ or sprink)
SHAFT ENCLOSURES: N/A
STAIRWAYS: N/A

III. Means of Egress: (Chapter 10)

OCCUPANT LOADS: (TAB 1004.1.2)
f-1 – Factory/Industrial: 100sf gross (open areas only)
8,599 sf/100 = 84 occupants
S-1 – Storage: 3464sf net (311.2, considered part of S-1 occ)
346 sf/300 = 2 occupants
Total combined occupant load: = 86 occupant total

IV. Separation Requirements:

OCCUPANCY SEPARATION BETWEEN PRIMARY & SECONDARY OCCUPANCIES: (section 508)
No separation required between occupancies, per "NON-SEPERATED USES, 508.3.2 allowance/requirements – Use most restrictive provisions of the fire protection requirements, based on the most restrictive construction type and occupancy requirements.
INCIDENTAL USE AREAS: (TAB 509)
NA
ACCESSORY USE AREAS: (508.3.1)
NA

JMBZ ARCHITECTURE COOPERATIVE
PO Box 18887 Sugar Land, TX 77496
281.980.0900 www.JMBZ-ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.238.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 04/22/15

John Matthew Brown, AIA
Texas Registration #14276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center
45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/29/14
Drawn by	Author
Checked by	Checker
Scale	As indicated

Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan
NORTH
NTS

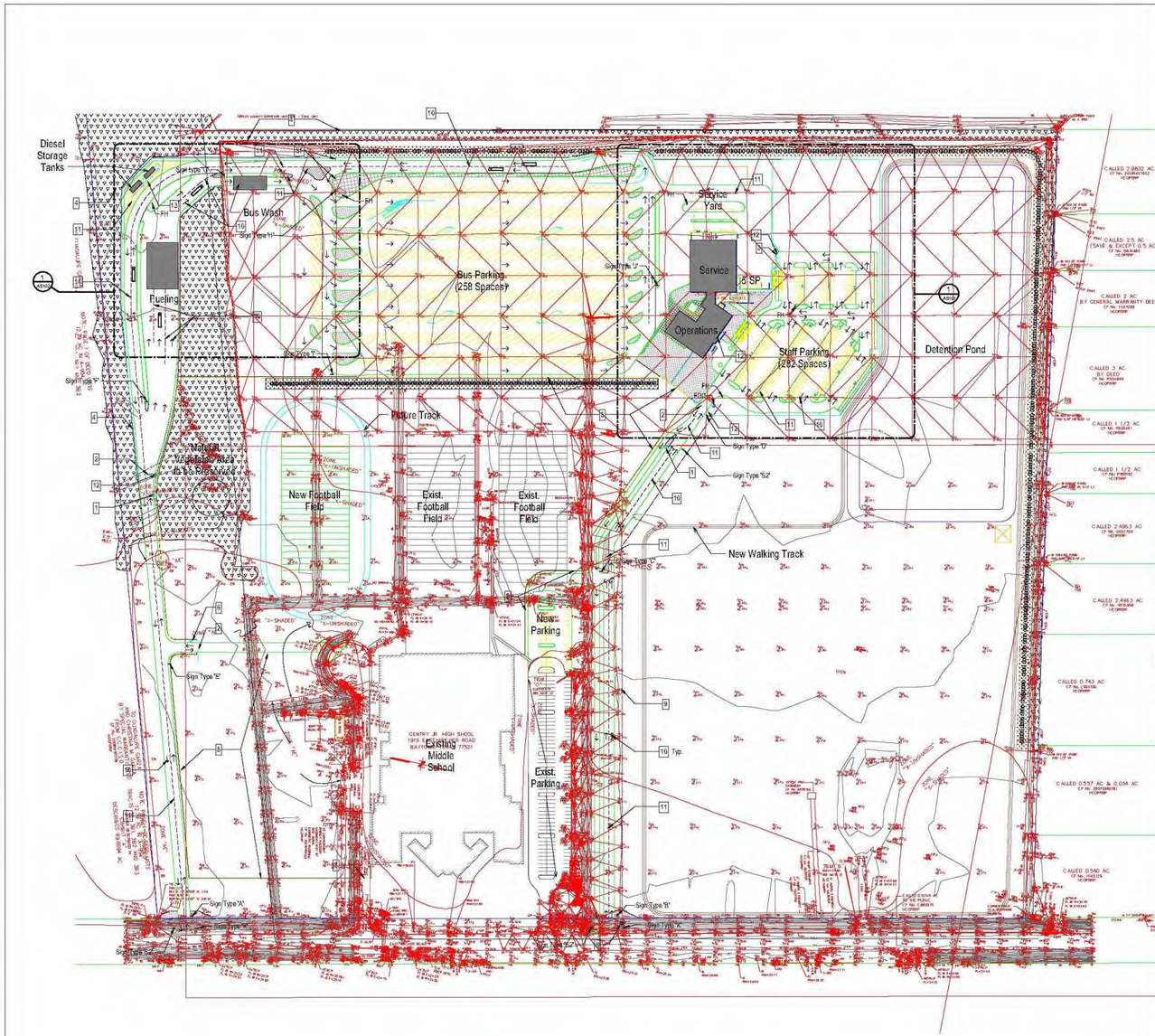
Sheet Title:
Code Review-Bus Wash & Fuel Canopy

G102

"NOTE: 40% scale when printed at 11x17 size)

7/14/2015 3:51:07 PM

John Matthew Brown, AIA - Texas Registration #34276 - "Not for Regulatory Approval, Permitting or Construction"



Site Plan General Notes

1. Refer to Civil Drawings for Dimensions, Grading, Site Utilities, SWPPP and Detention.
2. Refer AS103 for Traffic and Post & Panel Signage Types & Details.
3.
4.
5.
6.
7.

Site Demolition General Notes

1. Contractor Shall Obtain Necessary Plans Depicting Existing or Proposed Utilities Prior to Construction. Any Damage Caused by Contractor Shall Be Repaired at The Contractor's Expense.
2. All Street Work Within The Public Right-of-Way Shall Conform to Harris County Standard Details. Adjacent Sidewalks Shall Also Conform. Contractor Shall Be Responsible for Obtaining Any Necessary Permits Before Working Within The Street Right of Way.
3. Repair/Replace All Existing Sidewalks and Paving To Remain That Are Damaged Due to Construction.
4. Protect All Planting to Remain from Damage Due to Construction.
5. All Areas of Construction Shall Be Fenced and Secured Throughout The Project During Construction. The Contractor Shall Verify The Extent of Fencing Required Due to Staging Areas, Job Site Trailer Locations, etc.
6. Reference Civil & MEP Documents for Additional Hardscape Sawcutting, Earth Removal, Trenching, and Relocation and/or Demolition of Existing Utilities Above and Below the Ground.

PARKING INFORMATION

Regular (9'-0"X18'-0") Parking Spaces
6 Accessible + 1 Van-Accessible Parking Spaces

Staff Parking	282
Service Parking	5
Bus Parking	258
Added Parking at Gentry MS	53
Total	**598**

Site Graphics and Signage General Notes

1. All Dimensions for Graphics & Signage is from Face of Curb.
2. All Graphics and Signage Is To Be Fabricated In Accordance with Harris County and The "State of Texas" Standards.
3. All Firelane Striping To Be Per Harris County Fire Marshal' Requirements.
4. Verify Signage Locations, Messages, Graphics and Face Direction(s) with Architect, Prior to Fabrication.
5. All Parking Space Striping To Be 4" Wide White Traffic Paint.
6. All Island and Misc. Striping To Be 4" Wide White Traffic Paint.
7. Refer to Civil Drawings for Site Striping, Fire Lane Striping and Signage Dimensions and Details.

Site Key Notes

1. Card Reader/ W Phone for Sliding Gate. Refer to Electrical Site and Drawings.
2. 30' Wide Sliding H.D. Chain Link Gate.
3. 30' Wide 2 way Sliding H.D. Chain Link Gate with Lock.
4. 6' High Chain Link Fencing.
5. Chain Link Fencing - Not In Contract.
6. Card Reader for Sliding Chain Link Gate.
7. Gate - Not In Contract.
8. Irrigation Meter.
9. Irrigation water line w/ Shut-off valves at each End
10. 4" Wide White Parking Lot, Directional Arrows and Street Striping
11. 4" Wide Yellow Parking Lot, Directional Arrows and Street Striping
12. Baytown Fire Department Knox Box
13. 20 Ea. - 4' H x 8" Dia. Conc. Filled Pipe Bollards Spaced 5'-0" O.C. In Front of Diesel Tanks

Site Legend

- Berm & Nature Screen with Indigenous Plants and Drip Irrigation
- Protected Existing Planting Areas. General Contractor to Install 6' H Temporary Fencing around the Perimeter of These Areas.
- Zero Scape and Sod Grass Landscaping with Drip Irrigation
- Parking Lot Striping

JMB2 ARCHITECTURE COOPERATIVE
PO Box 19887 Houston, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL:	WO Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4822
STRUCTURAL:	Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.238.3390
MEP:	EMA-Estes Molure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE:	Maintenance Design Group 910 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006

Issue Date: 10/28/14

John Matthew Brown, AIA
Texas Registration #34276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by	JMB, AR
Checked by	JMB
*Scale	1" = 100'-0"

Revisions:

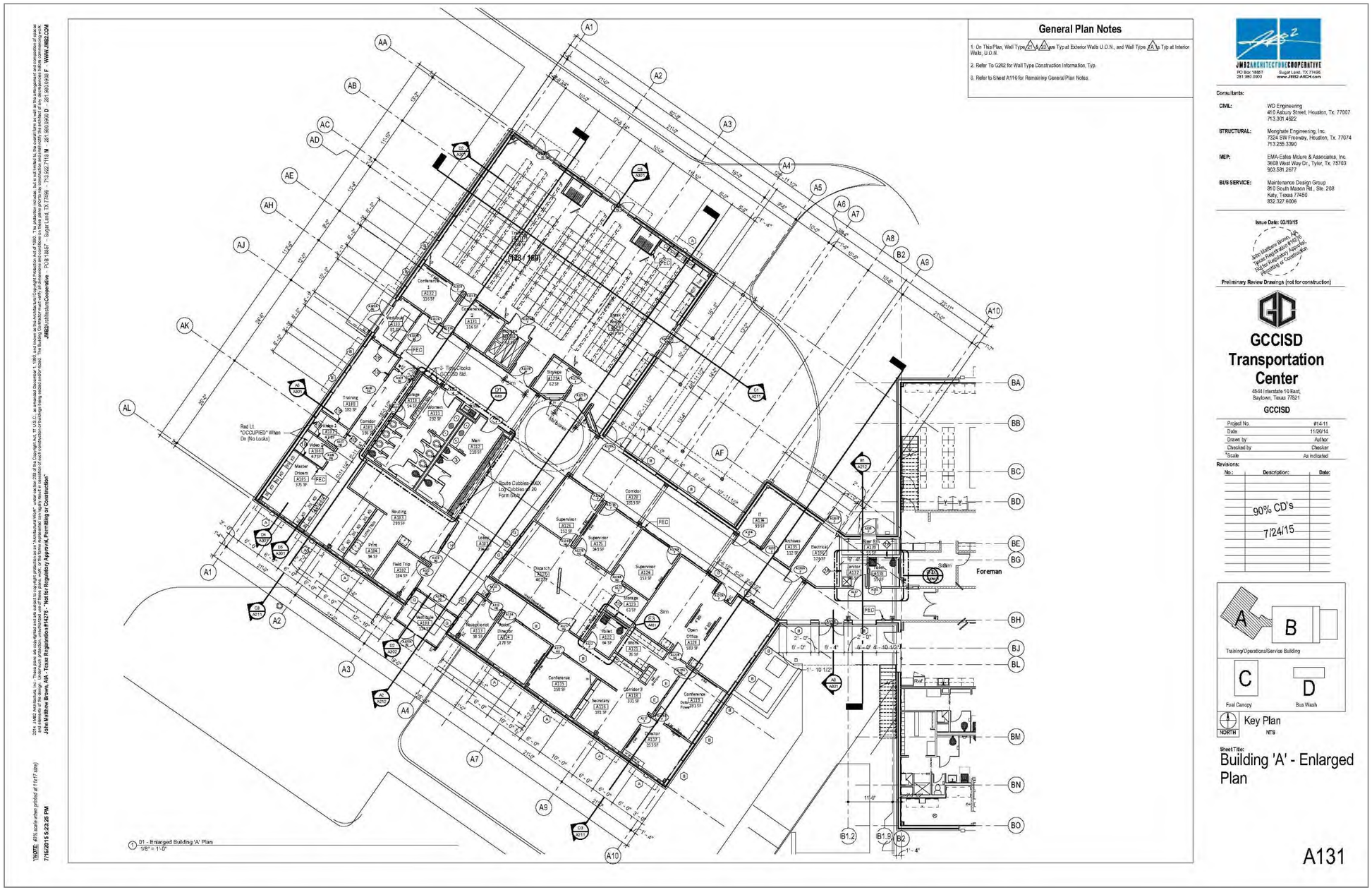
No.:	Description:	Date:
	50% CD's	4/22/15

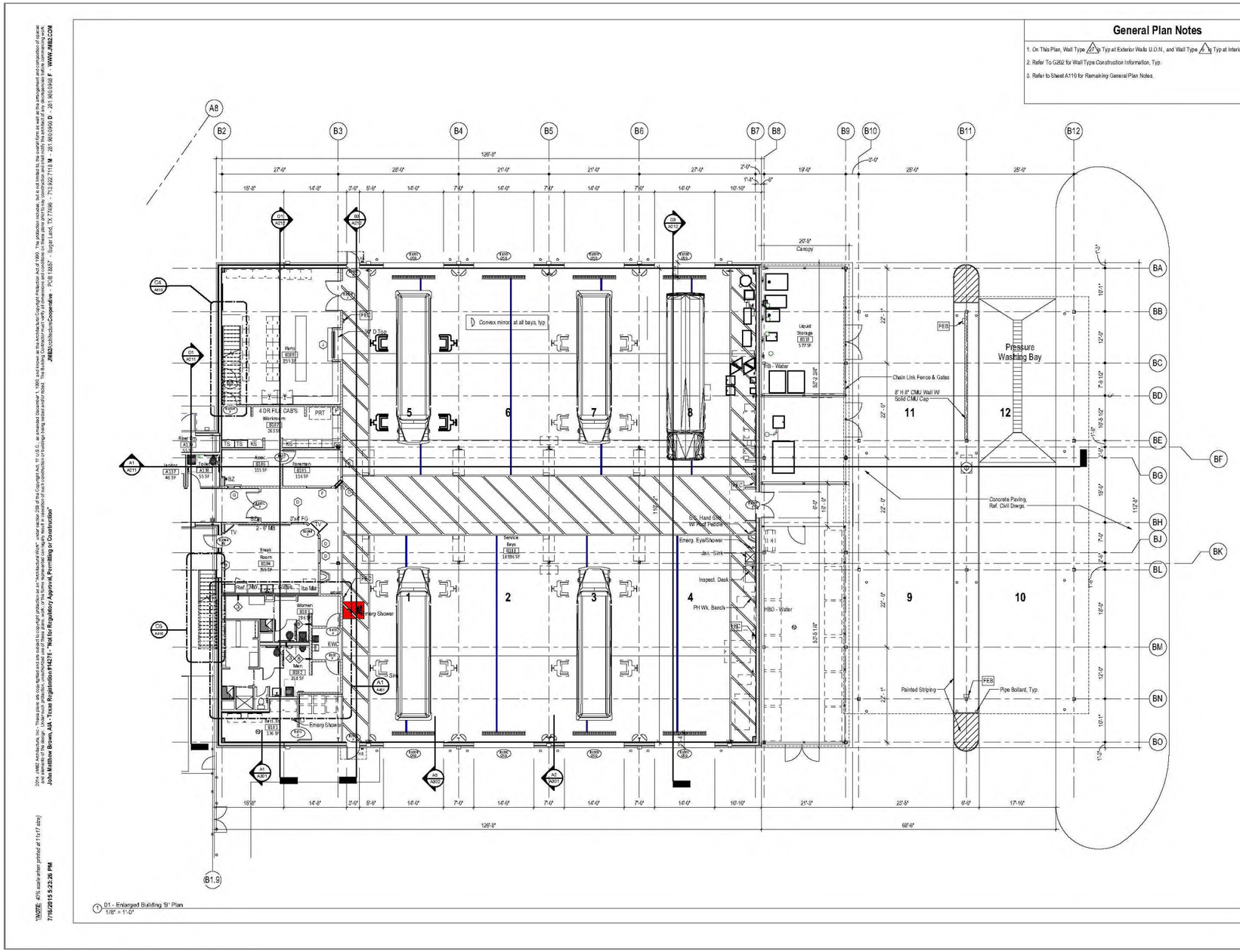
A Training/Operations/Service Building
B
C Fuel Canopy
D Bus Wash

Key Plan
NTS
NORTH

Sheet Title:
Overall Site Plan

.AS100


General Plan Notes
1. On This Plan, Wall Type 1, 1A, 2, 2A are Typ at Exterior Walls U.O.N., and Wall Type 3, 3A is Typ at Interior Walls, U.O.N.
2. Refer To G202 for Wall Type Construction Information, Typ.
3. Refer to Sheet A110 for Remaining General Plan Notes.
JMBZ ARCHITECTURE COOPERATIVE
PO Box 16887 Sugar Land, TX 77496
281.980.0900 www.JMBZ-ARCH.com
Consultants:
CIVIL: WO Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL: Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.266.3360
MEP: EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE: Maintenance Design Group 910 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006
Issue Date: 02/10/15
John Matthew Brown, AIA Texas Registration #14276 Not for Regulatory Approval, Permitting or Construction
Preliminary Review Drawings (not for construction)
GCCISD Transportation Center
4544 Interstate 10 East, Baytown, Texas 77521
GCCISD
Project No. #14-11
Date 11/26/14
Drawn by Author
Checked by Checker
*Scale As indicated
Revisions:
No.: Description: Date:
90% CD's 7/24/15
A B Training/Operations/Service Building
C Fuel Canopy
D Bus Wash
Key Plan NTS
NORTH
Sheet Title:
Building 'A' - Enlarged Plan
A131
1 01 - Enlarged Building 'A' Plan 1/8" = 1'-0"
*NOTE: 40% scale when printed at 11x17 size)
7/16/2015 5:23:25 PM
John Matthew Brown, AIA - Texas Registration #14276 - "Not for Regulatory Approval, Permitting or Construction"
JMBZ-ArchitectureCooperative - PO B 16887 - Sugar Land, TX 77496 - 713.922.7118 M - 281.980.0900 D - 281.980.0900 F - WWW.JMBZ.COM



1 01 - Enlarged Building 'B' Plan
1/8" = 1'-0"

JMB2 ARCHITECTURE COOPERATIVE
PO Box 16807 281.980.0900
Sugar Land, TX 77496 www.JMB2-ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.255.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 04/1/15

John Matthew Brown, AIA Texas Registration #14276 "Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD
GCCISD Transportation Center

45-44 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/20/14
Drawn by	Author
Checked by	Checker
*Scale	As indicated

Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

A B
Training/Operations/Service Building
C Fuel Canopy
D Bus Wash
Key Plan
NTS
NORTH

Sheet Title:
Building 'B' - Enlarged Plan

A132

JMB2 Architects**Cooperative** - PO Box 16587 - Sugar Land, TX 77496 - 713.922.7118 **M** - 281.980.0900 **D** - 281.980.0908 **F** - **WWW.JMB2.COM**

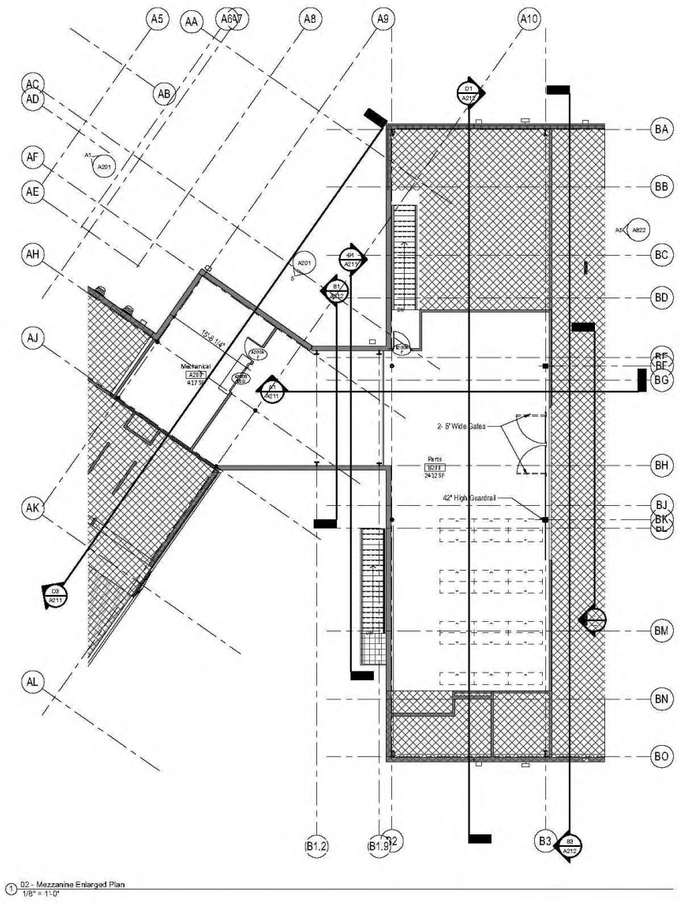
"NOTE: 40% scale when printed at 11x17 size)

7/14/2015 3:51:14 PM

John Matthew Brown, AIA - Texas Registration #34276 - **"Not for Regulatory Approval, Permitting or Construction"**

General Plan Notes

1. On This Plan, Wall Type 1, A, 2 are Typ at Exterior Walls U.O.N.; and Wall Type A is Typ at Interior Walls, U.O.N.
2. Refer To G252 for Wall Type Construction Information, Typ.
3. Refer to Sheet A110 for Remaining General Plan Notes.



1 02 - Mezzanine Enlarged Plan
1/8" = 1'-0"

JMB2 ARCHITECTURE COOPERATIVE
PO Box 16587 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL:	WD Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL:	Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.238.3390
MEP:	EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE:	Maintenance Design Group 810 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006

Issue Date: 03/10/15

John Matthew Brown, AIA Texas Registration #34276 Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

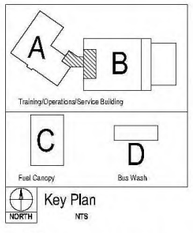
45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by	Author
Checked by	Checker
Scale	As indicated

Revisions:

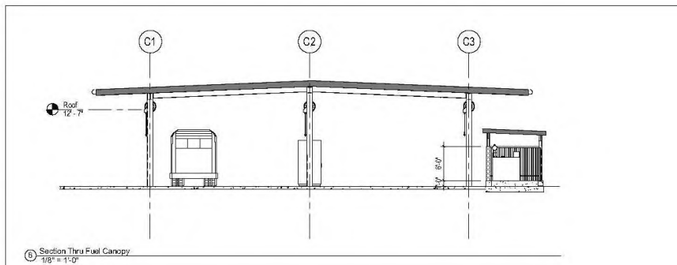
No.:	Description:	Date:
	50% CD's	4/22/15

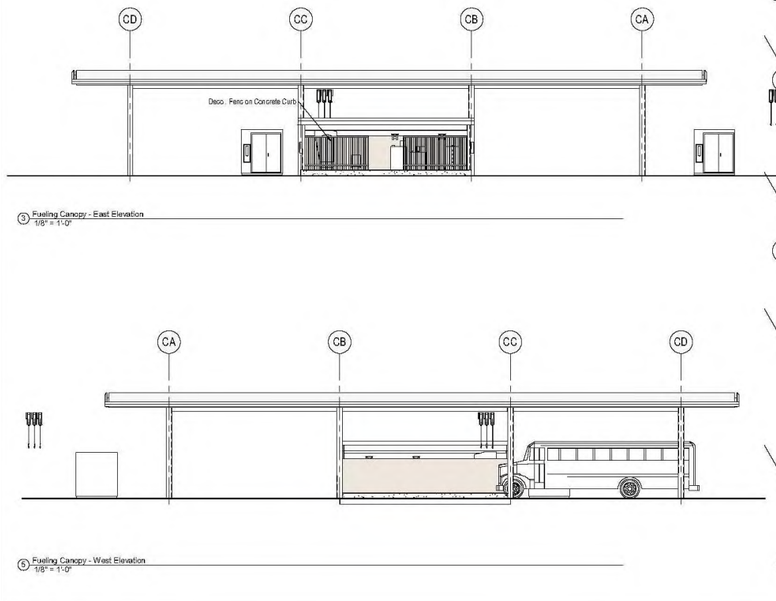


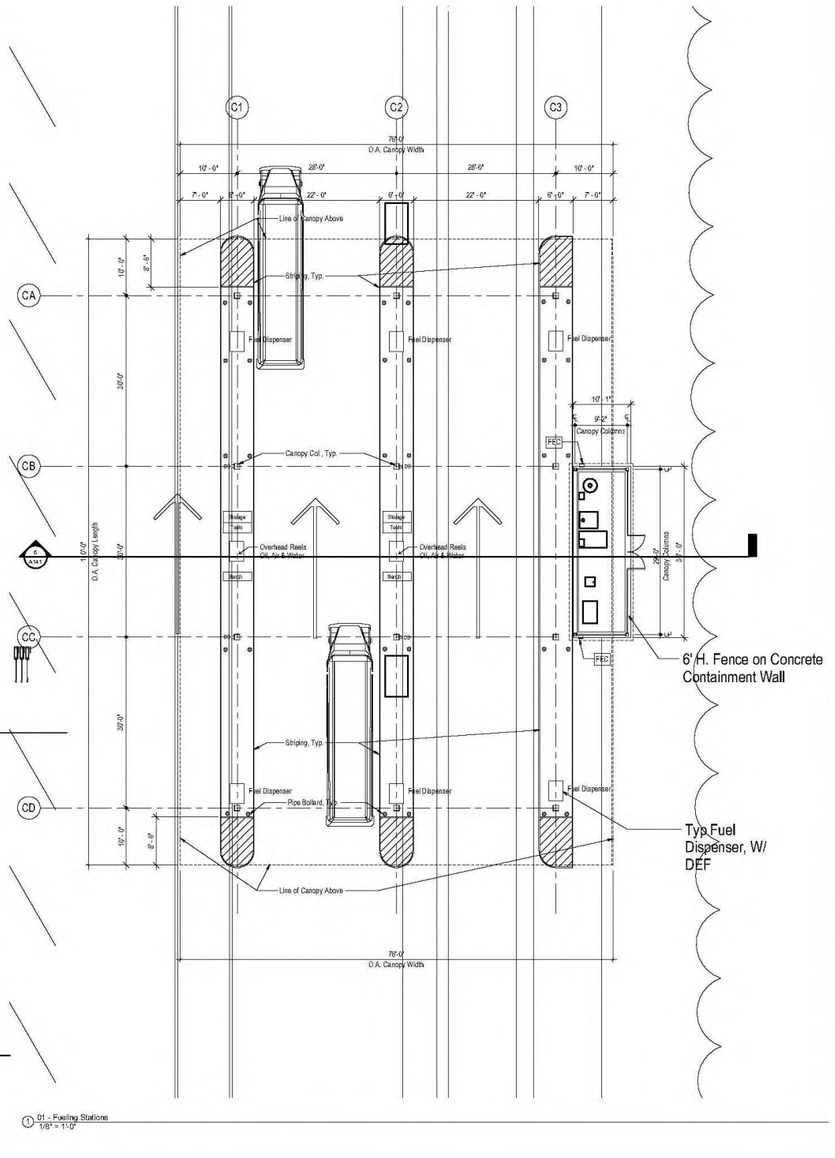
Sheet Title:
Enlarged Mezzanine Plan

A133

NOTE: All fts scale when printed at 11x17 only)
7/14/2015 3:51:16 PM







JMB2 ARCHITECTURE COOPERATIVE
PO Box 16587 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL:	WD Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL:	Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.238.3390
MEP:	EMA-Estes Moore & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE:	Maintenance Design Group 810 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006

Issue Date: 03/22/15

John Matthew Brown, AIA
Texas Registration #14276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD
GCCISD Transportation Center

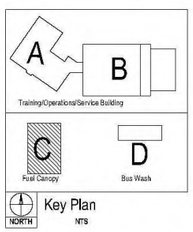
45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/20/14
Drawn by	Author
Checked by	Checker
*Scale	As indicated

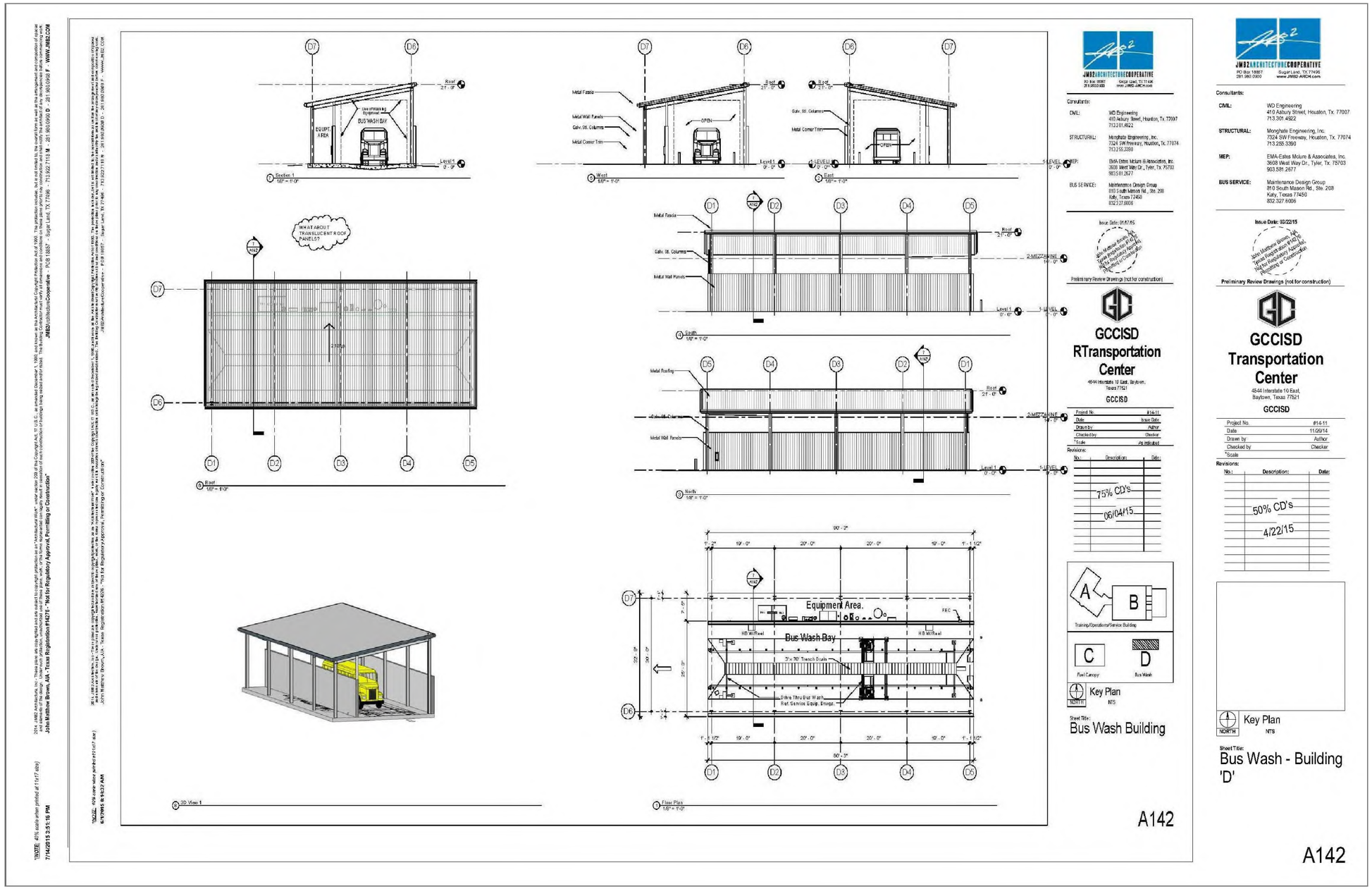
Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15



Sheet Title:
Fuel Canopy Plan, Elevations & Section

A141


WHAT ABOUT TRANSLUCENT ROOF PANELS?
BUS WASH BAY
EQUIPT. AREA
Roof
Level 1
Metal Fascia
Metal Wall Panels
Galv. Sti. Columns
Metal Corner Trim
OPEN
Metal Roofing
Equipment Area.
Bus Wash Bay
Drive Thru Bus Wash
Ref. Service Equip. Enclos.
GCCISD
RTransportation Center
45-44 Interstate 10 East, Baytown, Texas 77521
GCCISD
Transportation Center
45-44 Interstate 10 East, Baytown, Texas 77521
Preliminary Review Drawings (not for construction)
75% CD's
06/04/15
50% CD's
4/22/15
Bus Wash Building
Bus Wash - Building 'D'
A142

JMB2ARCHITECTURE**Cooperative** - PO Box 18887 - Sugar Land, TX 77496 - 713.922.7118 **M** - 281.980.0990 **D** - 281.980.0998 **F** - **WWW.JMB2.COM**

John Matthew Brown, AIA - Texas Registration #34215 - "Not for Regulatory Approval, Permitting or Construction"

NOTE: 40% scale when printed at 11x17 size)

7/16/2015 5:23:28 PM

General Roof Notes

1. For Typical Roof Penetration Details Refer To Sheet A380.

2. For Additional Roof Penetration Details: Refer To MEP Docs.

3. Refer MEP Documents for Rooftop Equipment Not Shown. Mechanical, Electrical and Plumbing Roof Equipment Depicted on This Sheet Is for General Architectural Information Only. Refer To The MEP Documents for Additional Requirements and Coordination. Refer Structural Documents for Equipment Supports. Refer Detail ??????? and MEP and Struct Docs for Curb Details.

4. All Metal Roofing Panels, Trim, Gutters and Downspouts to be by Pre-Fabricated Metal Building Manufacturer.

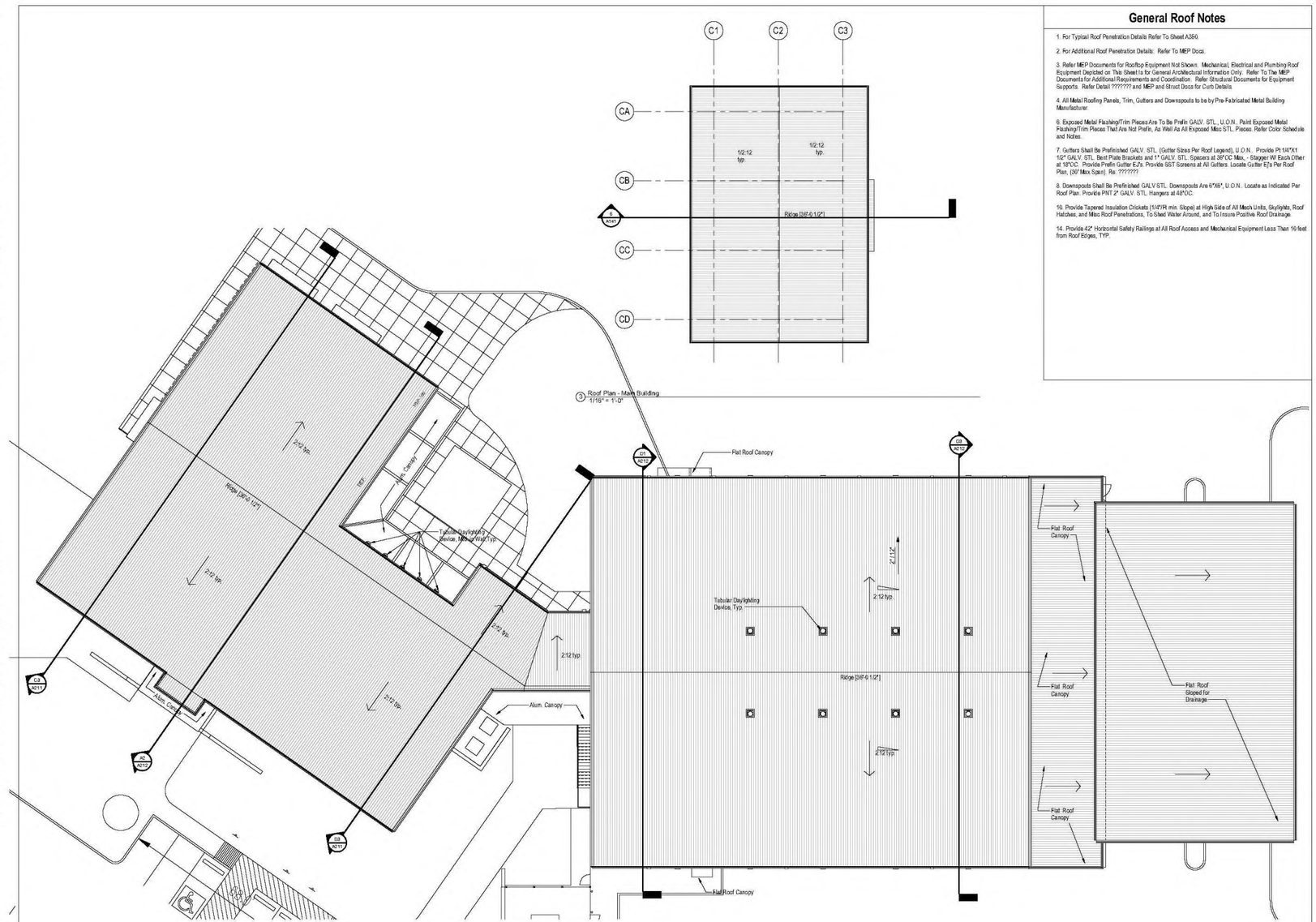
6. Exposed Metal Flashing/Trim Pieces Are To Be Prefin GALV. STL., U.O.N.. Paint Exposed Metal Flashing/Trim Pieces That Are Not Prefin, As Well As All Exposed Misc STL. Pieces. Refer Color Schedule and Notes.

7. Gutters Shall Be Prefinished GALV. STL. (Gutter Sizes Per Roof Legend), U.O.N.. Provide Pl 1#7'X1 1/2" GALV. STL. Bent Plate Brackets and 1" GALV. STL. Spacers at 36"OC Max., - Stagger W/ Each Other at 18"OC. Provide Prefin Gutter EJ's. Provide SST Screens at All Gutters. Locate Gutter EJ's Per Roof Plan, (30' Max Span). Re: ???????

8. Downspouts Shall Be Prefinished GALV.STL. Downspouts Are 6"X6", U.O.N.. Locate as Indicated Per Roof Plan. Provide PNT 2" GALV. STL. Hangers at 48"OC.

10. Provide Tapered Insulation Crickets (1/4"/Ft min. Slope) at High Side of All Mech Units, Skylights, Roof Hatches, and Misc Roof Penetrations, To Shed Water Around, and To Insure Positive Roof Drainage.

14. Provide 42" Horizontal Safety Railings at All Roof Access and Mechanical Equipment Less Than 10 feet from Roof Edges, TYP.



JMB2 ARCHITECTURE COOPERATIVE
PO Box 18887 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.255.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Wwy Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/23/14

John Matthew Brown, AIA
Texas Registration #34215
Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-44 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/20/14
Drawn by:	AR
Checked by:	JMB
Scale	As indicated

Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

A
B
Training/Operations/Service Building
C
Fuel Canopy
D
Bus Wash
NORTH
Key Plan
NTS

Sheet Title:
Roof Plan

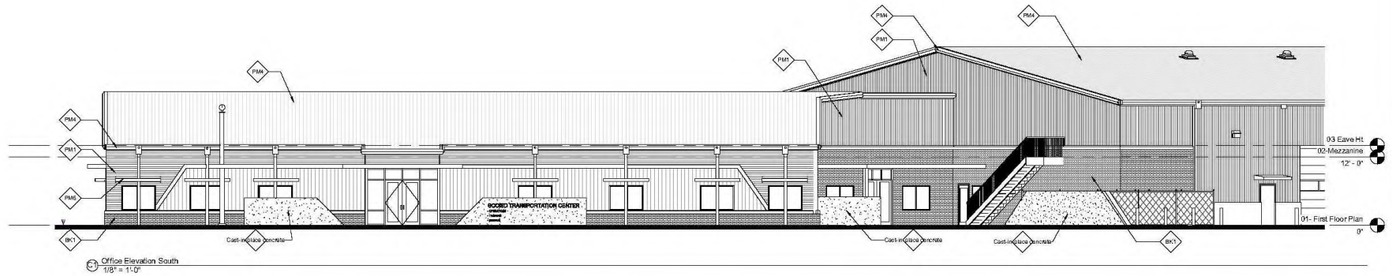
A151

NOTE: 40% stable when printed at 11x17 size)
7/14/2015 3:51:22 PM

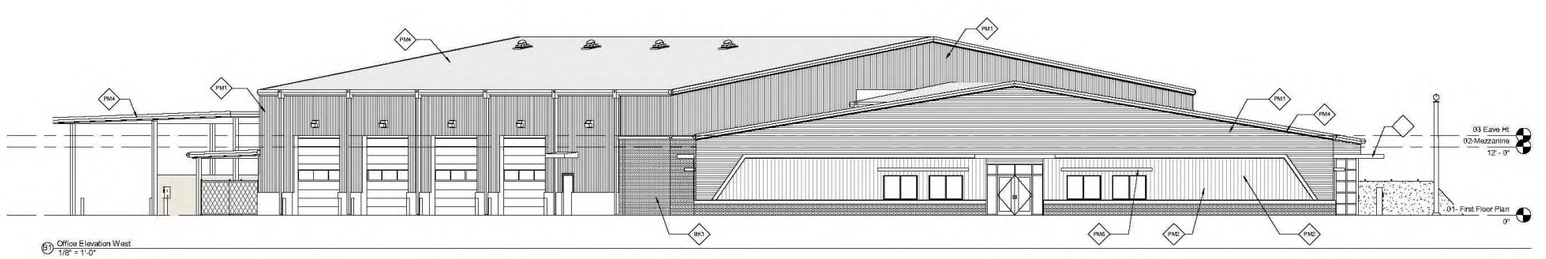
John Matthew Brown, AIA - Texas Registration #14276 - "Not for Regulatory Approval, Permitting or Construction"

Elevation General Notes

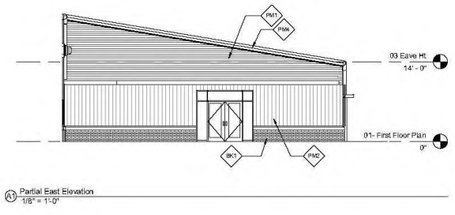
1. M.J. Locations (CMU)
   - 4'-0" from Outside Corner at CMU Backed Walls, U.O.N.
   - Equally Space All Offsets on Masonry Dimensions w/ Spans not to Exceed 20'-0" O.C., TYP.
2. Not Used.
3. Refer to Sheet A801 for Additional Exterior Finishes & Finish Notes, TYP.
4. Refer to Roof Plan, for Downspout Gutter E.J. & Scupper Locations.
5. Cont. Masonry Accent Scheme at All Ext. Walls, Including at Entries, Columns and Walls Not Shown on Elevation, TYP.



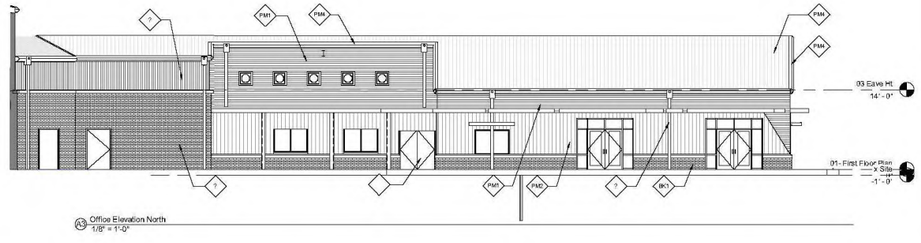
A1 Office Elevation South
1/8" = 1'-0"



A1 Office Elevation West
1/8" = 1'-0"



A1 Partial East Elevation
1/8" = 1'-0"



A3 Office Elevation North
1/8" = 1'-0"

JMB2 ARCHITECTURE COOPERATIVE
PO Box 18587 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.238.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/28/14

John Matthew Brown, AIA
Texas Registration #14276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/28/14
Drawn by	AR
Checked by	JMB
Scale	1/8" = 1'-0"

Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

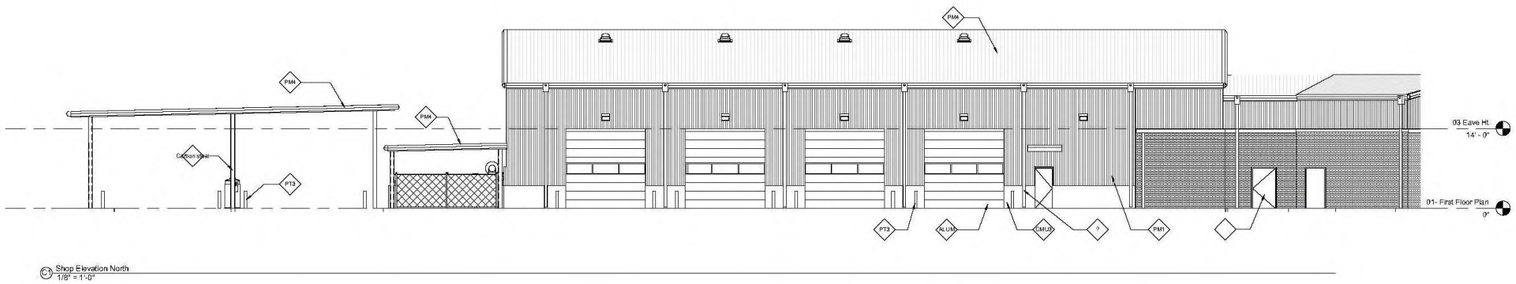
Key Plan
NORTH NTS

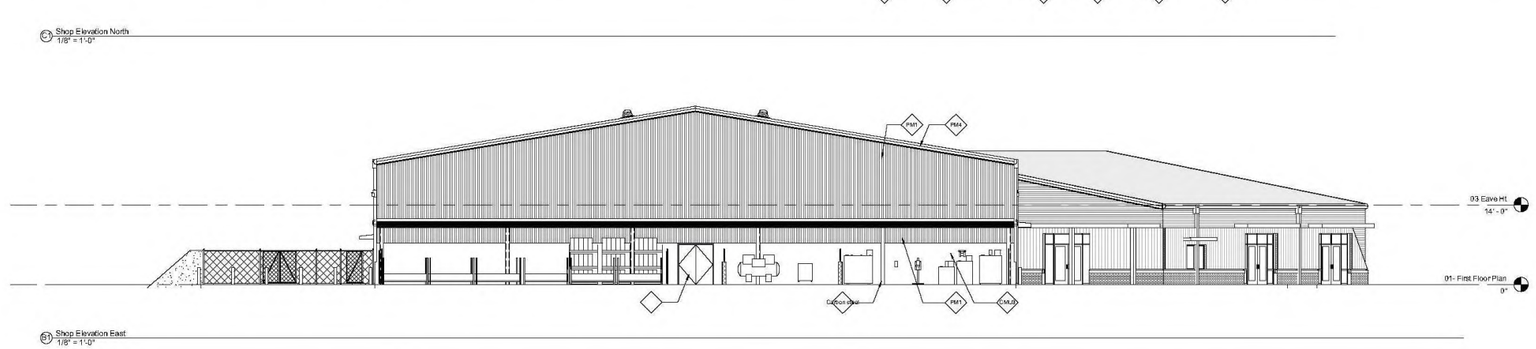
Sheet Title:
Area 'A' - Exterior Elevations

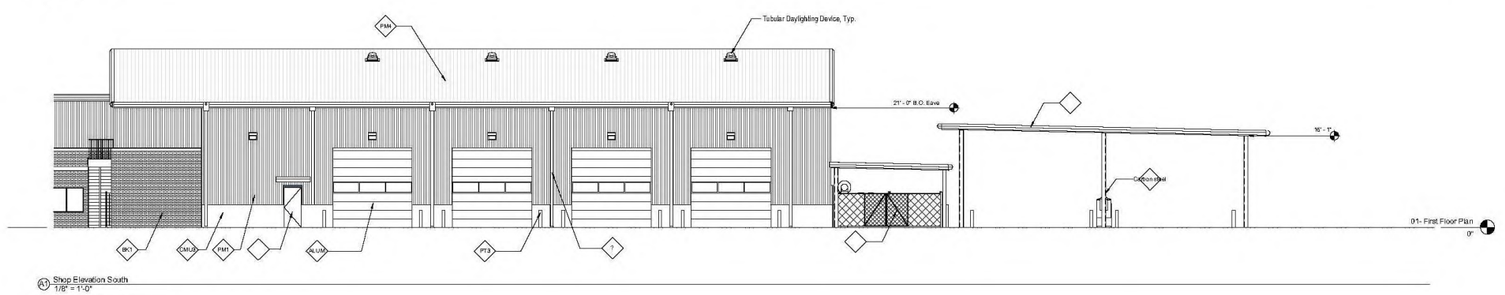
A201

Elevation General Notes

1. M.J. Locations (CMU)
   - 4'-0" from Outside Corner at CMU Backed Walls, U.O.N.
   - Equally Space All Offsets on Masonry Dimensions w/ Spans not to Exceed 20'-0" O.C., TYP.
2. Not Used.
3. Refer to Sheet A801 for Additional Exterior Finishes & Finish Notes, TYP.
4. Refer to Roof Plan, for Downspout Gutter E.J. & Scupper Locations.
5. Cont. Masonry Accent Scheme at All Ext. Walls, Including at Entries, Columns and Walls Not Shown on Elevation, TYP.







JMB2 ARCHITECTURE COOPERATIVE
PO Box 18587 Sugar Land, TX 77496
281.980.0900 www.JMB2.ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.238.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/28/14

John Matthew Brown, AIA
Texas Registration #34276
"Not for Regulatory Approval, Permitting or Construction"

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-64 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/28/14
Drawn by	AR
Checked by	JMB
*Scale	1/8" = 1'-0"

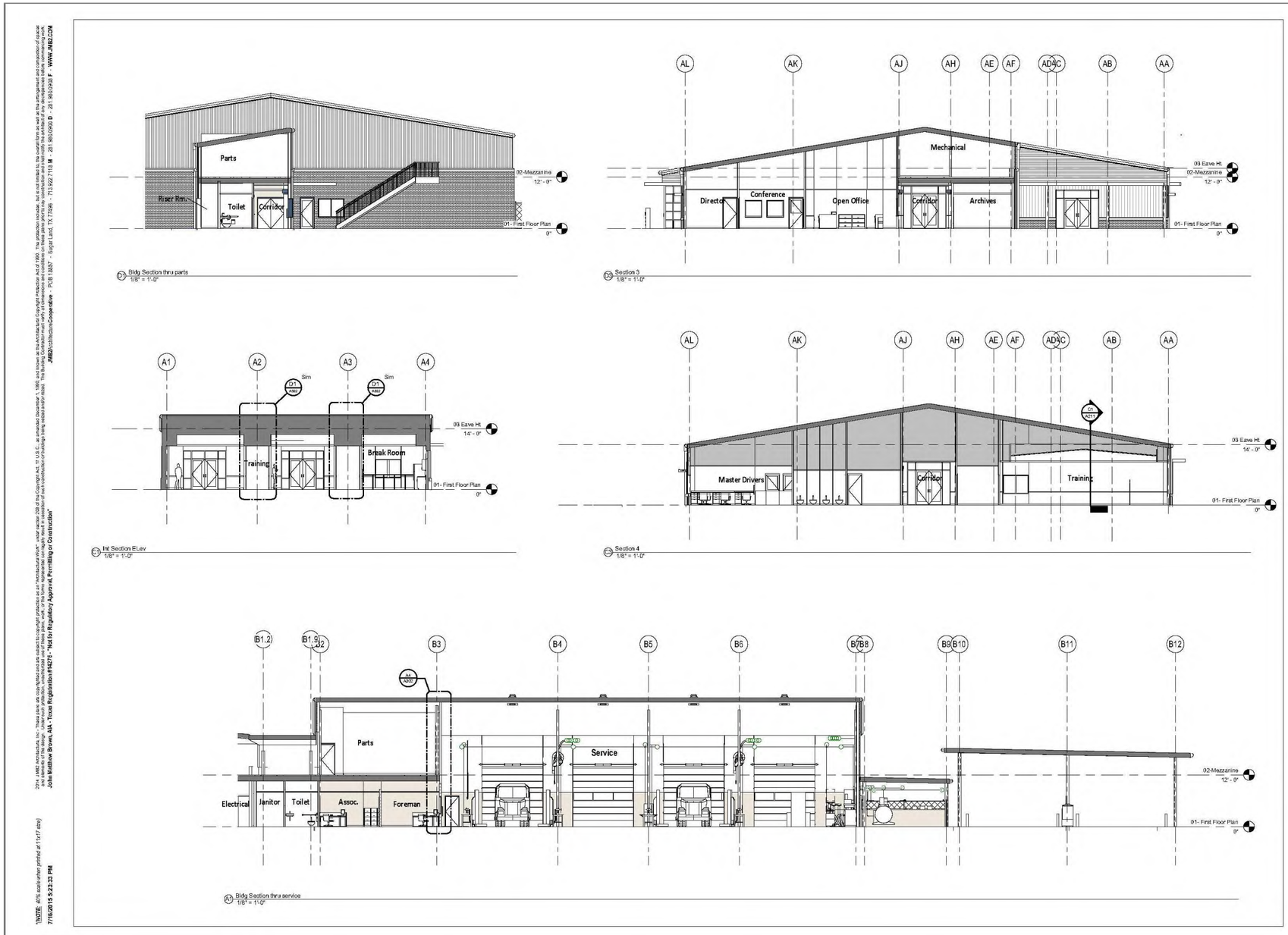
Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan
NTS

Sheet Title:
Area 'B' - Exterior Elevations

A202



JMB2 ARCHITECTURE COOPERATIVE
PO Box 16887 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WO Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.255.3390

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/23/14

John Matthew Brown, AIA
Texas Registration #14276
Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD

GCCISD Transportation Center

45-44 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/20/14
Drawn by	AR
Checked by	JMB
Scale	1/8" = 1'-0"

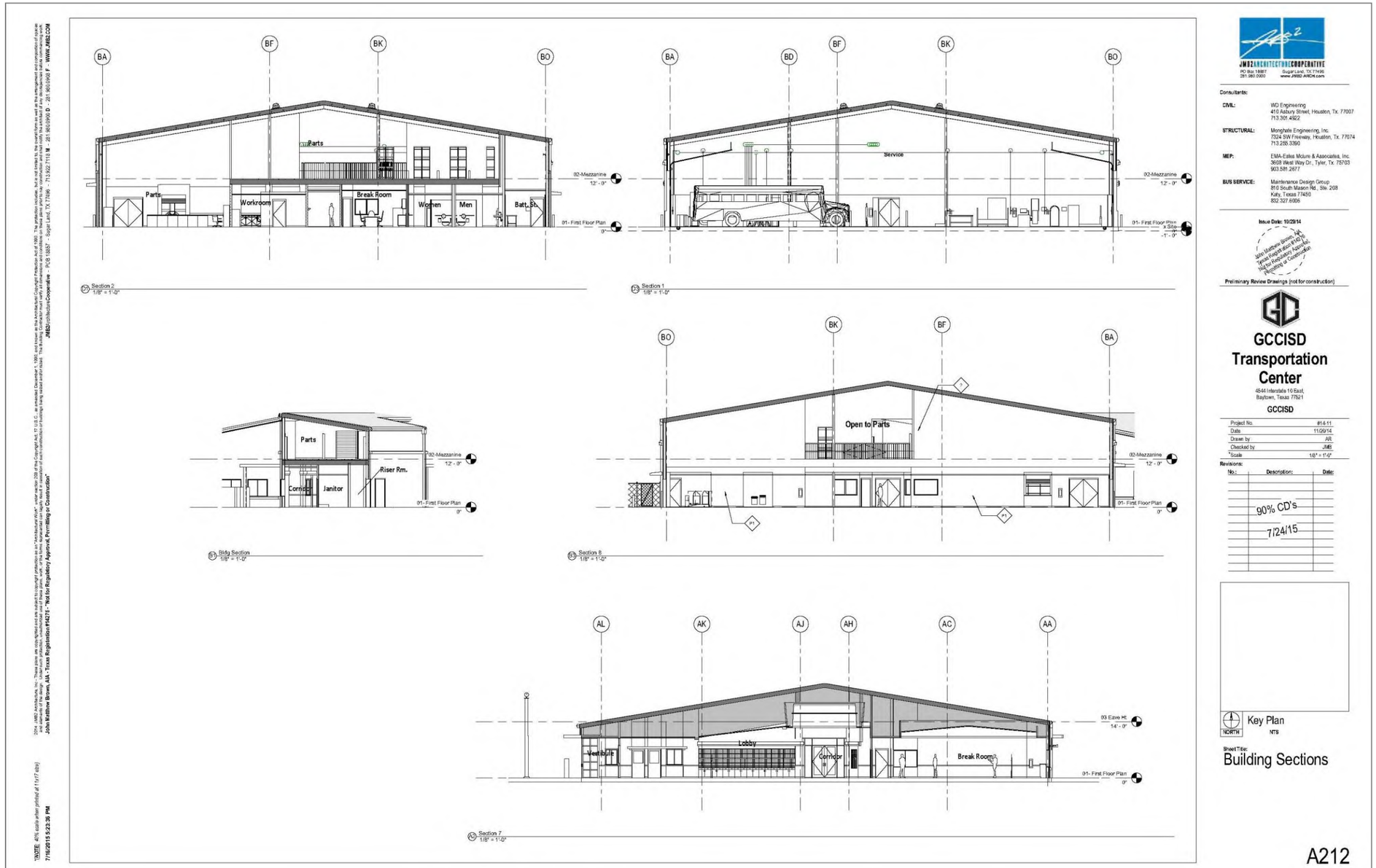
Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

Key Plan
NTS

Sheet Title:
Building Sections

A211



JMB2 ARCHITECTURE COOPERATIVE
PO Box 16867 Sugar Land, TX 77496
281.980.0900 www.JMB2.ARCH.com

Consultants:

CIVIL:	WO Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL:	Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.236.3360
MEP:	EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE:	Maintenance Design Group 816 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006

Issue Date: 10/29/14

John Matthew Brown, AIA
Texas Registration #14215
Not for Regulatory Approval,
Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4544 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/29/14
Drawn by	AR
Checked by	JMB
Scale	1/8" = 1'-0"

Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

Key Plan
NTS

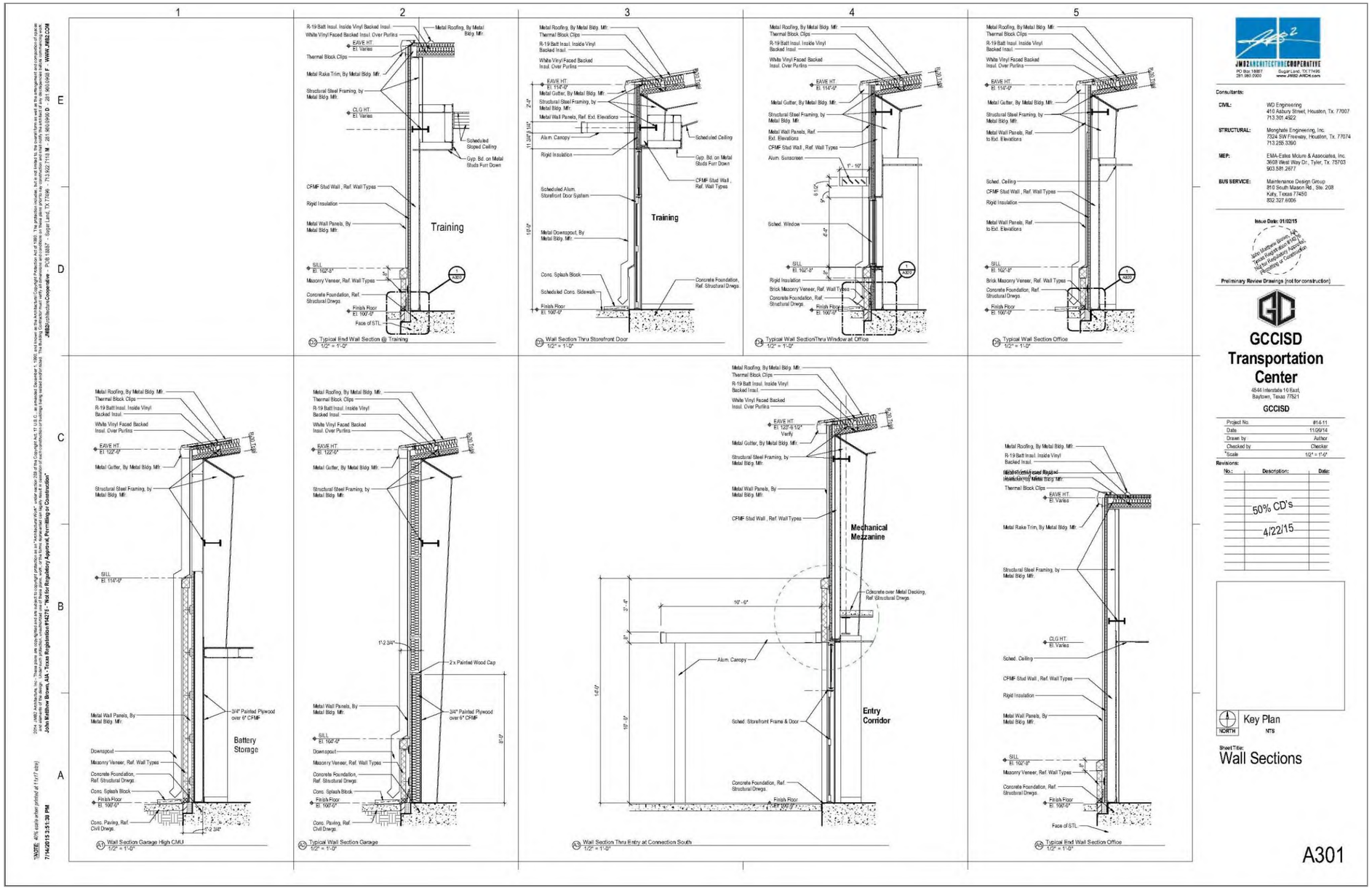
Sheet Title:
Building Sections

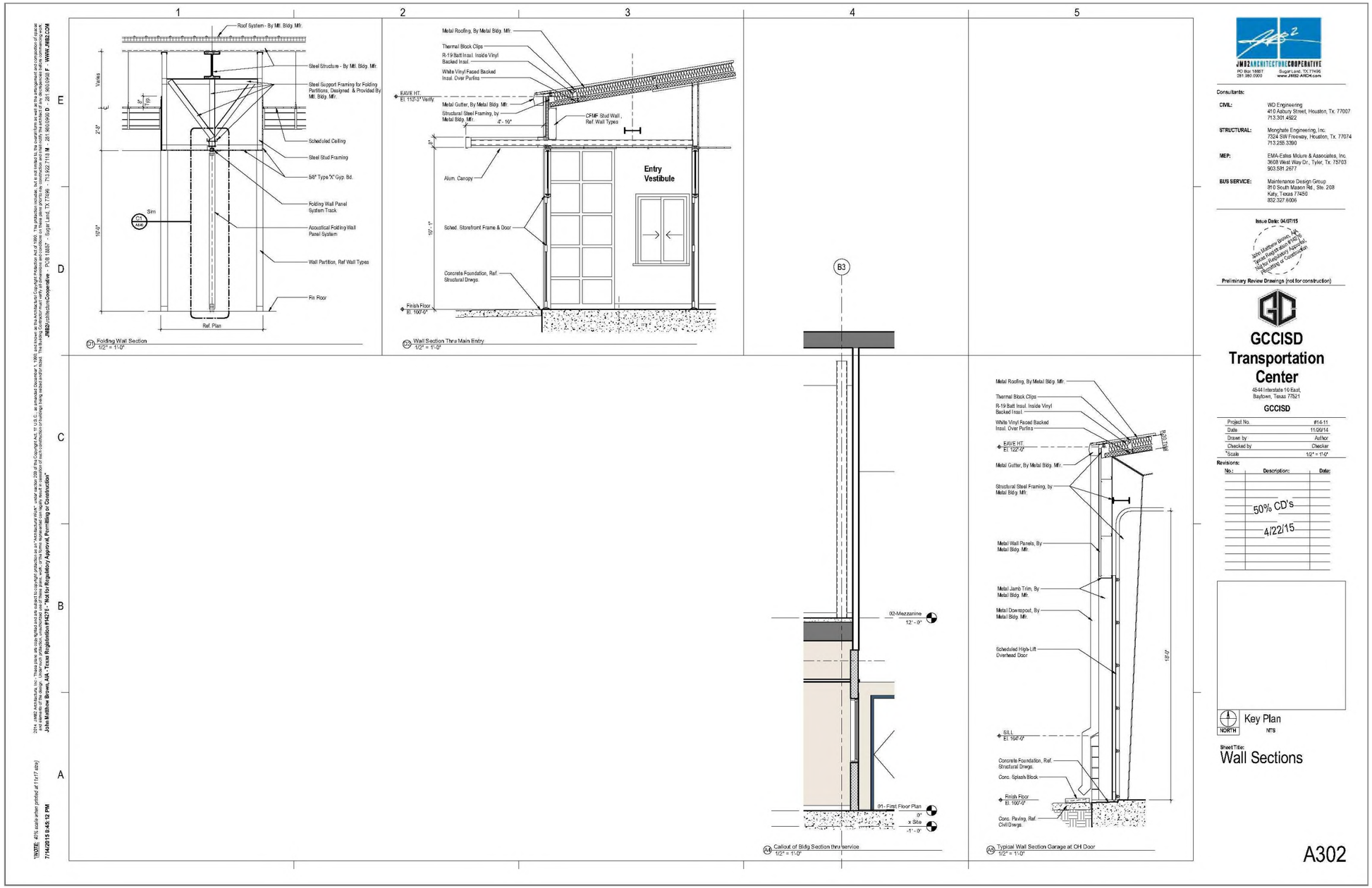
A212

John Matthew Brown, AIA - Texas Registration #14215 - Not for Regulatory Approval, Permitting or Construction

7/15/2015 5:22:35 PM

NOTE: 40% scale when printed at 11x17 size)


Training
Scheduled Sloped Ceiling
Gyp. Bd. on Metal Studs Furr Down
CFMF Stud Wall , Ref. Wall Types
Rigid Insulation
Metal Wall Panels, By Metal Bldg. Mfr.
Masonry Veneer, Ref. Wall Types
Concrete Foundation, Ref. Structural Drwgs.
Finish Floor El. 100'-0"
Face of STL
Typical End Wall Section @ Training
1/2" = 1'-0"
Training
Scheduled Ceiling
Gyp. Bd. on Metal Studs Furr Down
CFMF Stud Wall , Ref. Wall Types
Scheduled Alum. Storefront Door System
Metal Downspout, By Metal Bldg. Mfr.
Conc. Splash Block
Scheduled Conc. Sidewalk
Concrete Foundation, Ref. Structural Drwgs.
Wall Section Thru Storefront Door
1/2" = 1'-0"
Typical Wall SectionThru Window at Office
1/2" = 1'-0"
Typical Wall Section Office
1/2" = 1'-0"
Battery Storage
3/4" Painted Plywood over 6" CFMF
Wall Section Garage High CMU
1/2" = 1'-0"
2'x Painted Wood Cap
Typical Wall Section Garage
1/2" = 1'-0"
Mechanical Mezzanine
Entry Corridor
Alum. Canopy
Sched. Storefront Frame & Door
Concrete over Metal Decking, Ref. Structural Drwgs.
Wall Section Thru Entry at Connection South
1/2" = 1'-0"
Typical End Wall Section Office
1/2" = 1'-0"
JMBZ ARCHITECTURE COOPERATIVE
Consultants:
CIVIL:
STRUCTURAL:
MEP:
BUS SERVICE:
Issue Date: 01/02/15
Preliminary Review Drawings (not for construction)
GCCISD Transportation Center
4544 Interstate 10 East, Baytown, Texas 77521
GCCISD
Project No. #14-11
Date 11/26/14
Drawn by: Author
Checked by: Checker
Scale 1/2" = 1'-0"
Revisions:
No.: Description: Date:
50% CD's
4/22/15
Key Plan
NORTH
NTS
Sheet Title:
Wall Sections
A301



JMB2ARCHITECTURECOOPERATIVE - PO Box 18587 - Sugar Land, TX 77496 - 713.922.7118 M - 281.980.0900 D - 281.980.0908 F - WWW.JMB2.COM
John Matthew Brown, AIA - Texas Registration #34276 - "Not for Regulatory Approval, Permitting or Construction"

NOTE: 40% scale when printed at 11x17 size)
7/14/2015 8:45:12 PM

JMB2 ARCHITECTURE COOPERATIVE
PO Box 18587 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WD Engineering, 410 Asbury Street, Houston, Tx. 77007, 713.301.4922

STRUCTURAL: Monghate Engineering, Inc., 7324 SW Freeway, Houston, Tx. 77074, 713.238.3390

MEP: EMA-Estes Mclure & Associates, Inc., 3608 West Way Dr., Tyler, Tx. 75703, 903.581.2677

BUS SERVICE: Maintenance Design Group, 810 South Mason Rd., Ste. 208, Katy, Texas 77450, 832.327.6006

Issue Date: 04/07/15

John Matthew Brown, AIA Texas Registration #34276 Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

45-64 Interstate 10 East, Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by	Author
Checked by	Checker
*Scale	1/2" = 1'-0"

Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

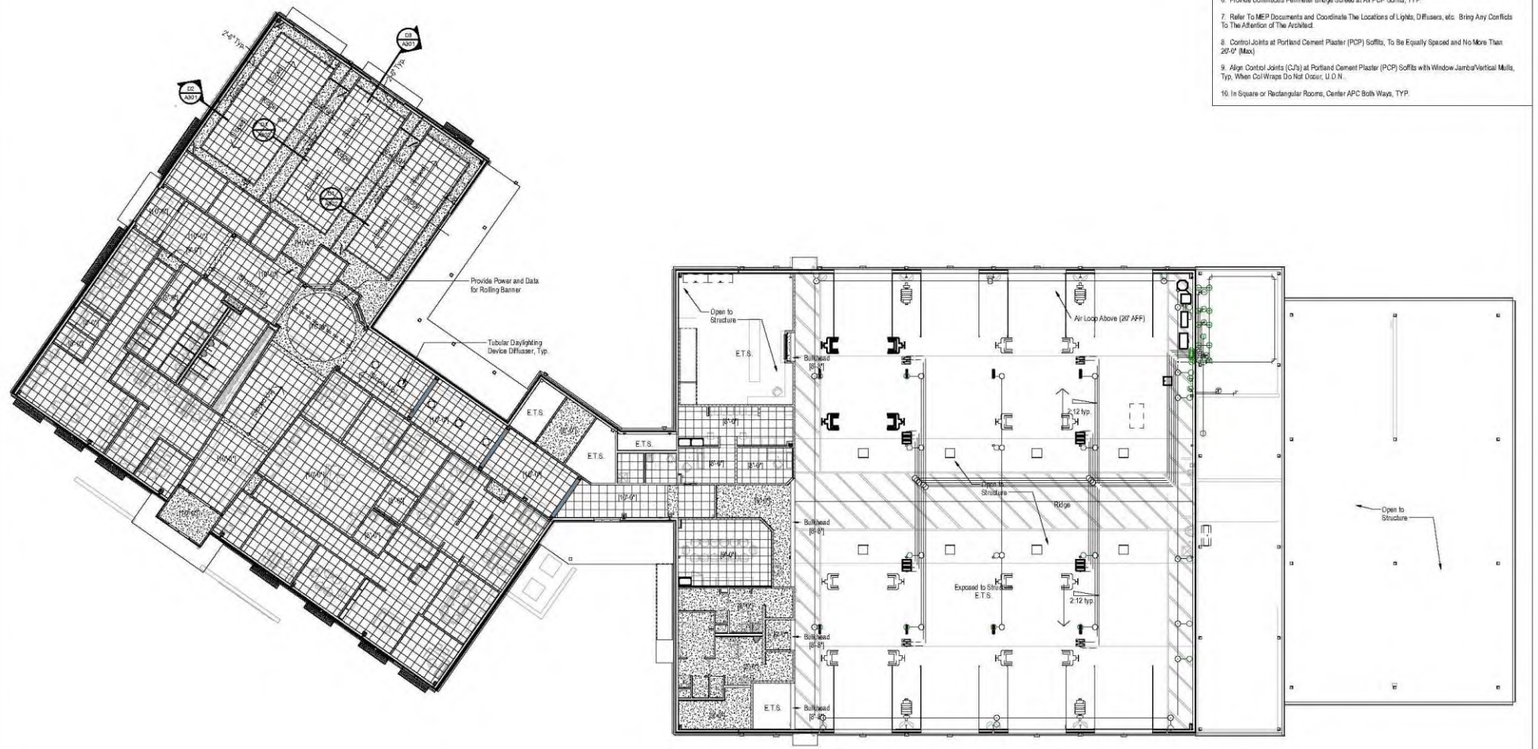
Key Plan
NTS

NORTH

Sheet Title:
Wall Sections

A302

Ceiling Heights Notes	Ceiling Types Legend	General RCP Plan Notes
First Floor: - 9' TYP. Ceiling U.O.N. - 8' TYP. at Toilets U.O.N.		1. All Bulkheads Shall Be Constructed As Follows: 5/8" GYP BD Over 3 5/8"SS Stud Framing at 16"Oc W/ 3 5/8" SS Stud Braces, Staggered, at 48"Oc, U.O.N. Anchor Framing To Strucl Above W/ Cont. 18GA Runner Track Mech Attached to 2"X2"X0.116" Bent Plate, Which Is Mech Attached To Sll Structure, TYP. Provide Cont. 3"X3"X18ga Slk. Mtl. Corner Angles at All Exposed Outside Corners and Cont Sll Studs at Framing Intersections, TYP. Cont 5/8" GYP BD 8" Above Adjacent APC, Where Occurs, and Cont Bulkhead 4" Below APC, Where Occurs, U.O.N. 2. All Vertical Sides of GYP BD Bulkheads, Shall Be Offset Back, 2" from Adjacent, Perpendicular Surface Edges at CMU and To Align with Adj GYP BD Walls, U.O.N. 3. All GYP BD Bulkhead Widths, Shall Be No Less Than 12" Wide U.O.N. 4. All GYP BD Bulkhead Bottom Elevations, Shall Be No Less Than 4" Below Scheduled APC Elevations, U.O.N. 5. Align Control Joints (CJs) with Walls and Edges of Col Wraps at Ext PCP Soffits, U.O.N. 6. Provide Continuous Perimeter Bridge Screed at All PCP Soffits, TYP. 7. Refer To MEP Documents and Coordinate The Locations of Lights, Diffusers, etc. Bring Any Conflicts To The Attention of The Architect. 8. Control Joints at Portland Cement Plaster (PCP) Soffits, To Be Equally Spaced and No More Than 20'-0" (Max). 9. Align Control Joints (CJs) at Portland Cement Plaster (PCP) Soffits with Window Jamb/Vertical Mulls, Typ, When Col Wraps Do Not Occur, U.O.N.. 10. In Square or Rectangular Rooms, Center APC Both Ways, TYP.



01 - First Floor Plan
3/32" = 1'-0"

JMBARCHITECTURECOOPERATIVE
PO Box 16867 Sugar Land, TX 77496
281.980.0900 www.JMBE.ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.226.3350

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
816 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/23/14

John Matthew Brown, AIA
Texas Registration #19276
Not for Regulatory Approval,
Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD
Transportation Center
4544 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14.11
Date	11/20/14
Drawn by	AR
Checked by	JMB
Scale	As indicated

Revisions:

No.:	Description:	Date:
	90% CD's	7/24/15

A
B
Training/Operations/Service Building
C
Fuel Canopy
D
Bus Wash

Key Plan
NORTH NTS

Sheet Title:
Reflected Ceiling Plan

A611

JMBArchitectureCooperative - PO Box 16867 - Sugar Land, TX 77496 - 713.522.7119 - M - 281.980.0900 - D - 281.980.0968 - F - WWW.JMBE.ARCH

John Matthew Brown, AIA - Texas Registration #19276 - "Not for Regulatory Approval, Permitting or Construction"

7/16/2015 5:22:40 PM

TRUTE: 4PK card printed at 11x17 size)

JMB2 ARCHITECTURE COOPERATIVE
PO Box 16867 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:
CIVIL: WD Engineering, 410 Asbury Street, Houston, Tx. 77007, 713.301.4922
STRUCTURAL: Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074, 713.288.3360
MEP: EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703, 903.581.2677
BUS SERVICE: Maintenance Design Group, 810 South Mason Rd., Ste. 208, Katy, Texas 77450, 832.327.6006

Issue Date: 04/07/15

John Matthew Brown, AIA Texas Registration #14276 Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4544 Interstate 10 East, Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/20/14
Drawn by	Author
Checked by	Checker
Scale	As indicated

Revisions:

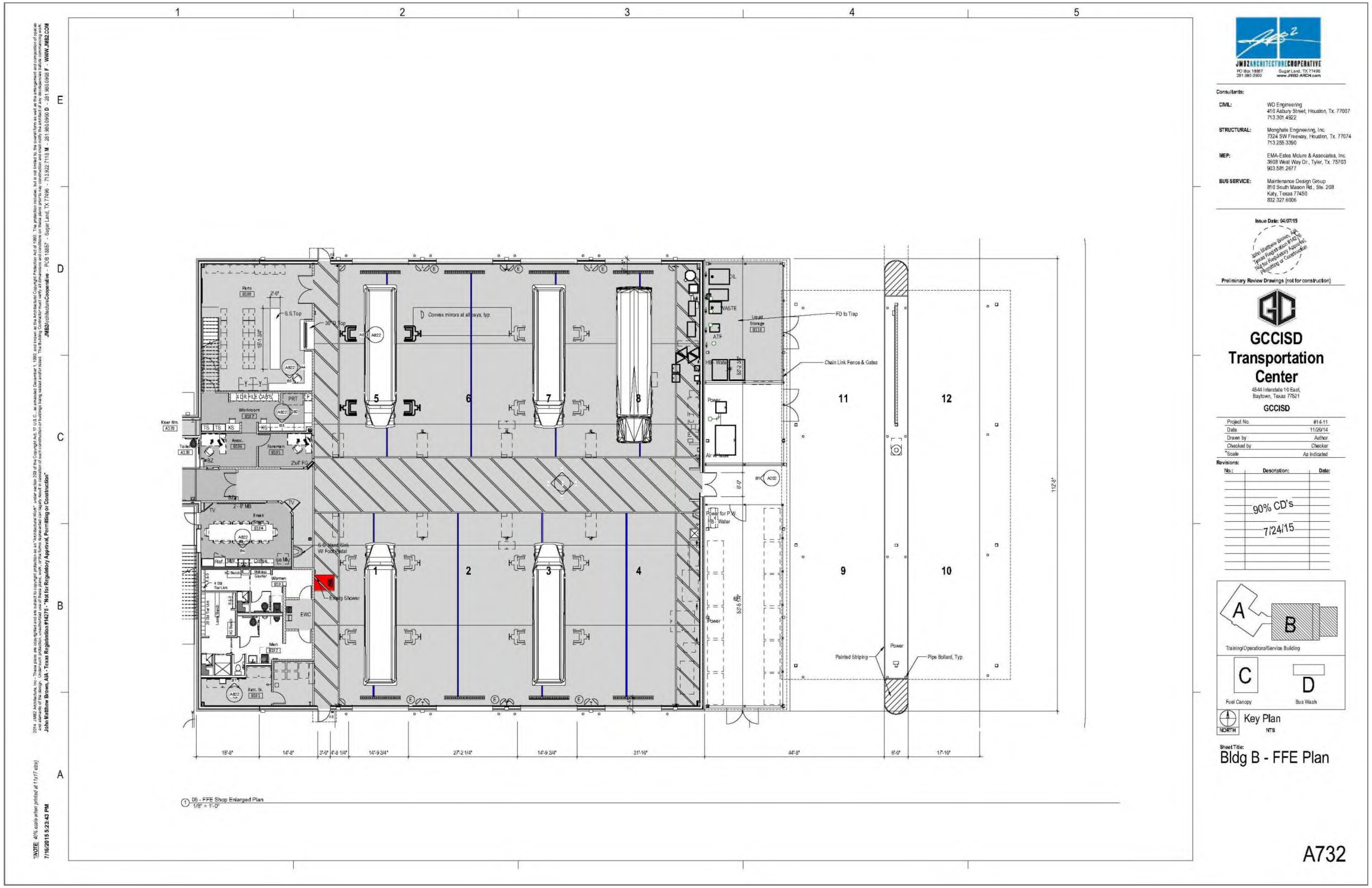
No.:	Description:	Date:
	50% CD's	4/22/15

A Training/Operational Service Building; B; C Fuel Canopy; D Bus Wash

Key Plan NTS

Sheet Title: Bldg A - FFE Plan

A731



JMB2ARCHITECTURECOOPERATIVE
PO Box 18867 281.980.0900 Sugar Land, TX 77496 www.JMB2-ARCH.com
Consultants:
CIVIL: WD Engineering 410 Asbury Street, Houston, Tx. 77007 713.301.4922
STRUCTURAL: Monghate Engineering, Inc. 7324 SW Freeway, Houston, Tx. 77074 713.255.3390
MEP: EMA-Estes Mclure & Associates, Inc. 3608 West Way Dr., Tyler, Tx. 75703 903.581.2677
BUS SERVICE: Maintenance Design Group 810 South Mason Rd., Ste. 208 Katy, Texas 77450 832.327.6006
Issue Date: 04/07/15
John Matthew Brown, AIA Texas Registration #14276 Not for Regulatory Approval, Permitting or Construction
Preliminary Review Drawings (not for construction)
GCCISD
Transportation Center
4544 Interstate 10 East, Baytown, Texas 77521
GCCISD
Project No. #14-11
Date 11/20/14
Drawn by Author
Checked by Checker
*Scale As indicated
Revisions:
No.: Description: Date:
90% CD's
7/24/15
A
B
Training/Operations/Service Building
C
D
Fuel Canopy
Bus Wash
NORTH
Key Plan
NTS
Sheet Title:
Bldg B - FFE Plan
A732
Parts B108
S.S.Top
30" Q. Top
4 DR FILE CAB'S
PRT
Workroom B107
Riser Rm. A139
Toilet A138
Assoc. B106
Foreman B105
2'x4' FG
Break Room B104
2 - 6' MB
TV
Ref.
M/W
Coffee
Ice Mkr
S.S. Hand Sink W Foot Pedal
Women B103
Emerg Shower
EWC
Men B102
Batt. St. B101
Convex mirrors at all bays, typ.
OIL
WASTE
ATF
Liquid Storage B110
FD to Trap
Chain Link Fence & Gates
HB - Water
Power
Air w/ hose
Power for P.W.
Painted Striping
Pipe Bollard, Typ.
15'-8"
14'-8"
3'-0"
4'-8 1/4"
14'-9 3/4"
27'-2 1/4"
14'-9 3/4"
31'-10"
44'-8"
6'-0"
17'-10"
112'-8"
06 - FFE Shop Enlarged Plan
1/8" = 1'-0"
*NOTE: 40% scale when printed at 11x17 size)
7/16/2015 5:23:43 PM

	No.	Location	Color & Material Specifications	Descriptions	Manufacturer / Supplier
	P1	Walls	Sherwin-Williams SW 7012 Creamy	Interior paint	Sherwin-Williams or equal 1-800-4-SHERWIN www.sherwin-williams.com
	P2	Walls, Ceiling tile in rotunda, Exposed Structural Steel in Service Area	Sherwin-Williams SW 6515 Lesarre Blue	Interior paint	Sherwin-Williams or equal 1-800-4-SHERWIN www.sherwin-williams.com
	P3	Walls	Sherwin-Williams SW 6519 Dover Poor	Interior paint	Sherwin-Williams or equal 1-800-4-SHERWIN www.sherwin-williams.com
	P4	Walls, Interior windows	Sherwin-Williams SW 6517 Regatta	Interior paint	Sherwin-Williams or equal 1-800-4-SHERWIN www.sherwin-williams.com
	P5	Walls, Shop Safety Areas, Bollards	Sherwin-Williams SW 6689 Overjoy	Interior paint accent color	Sherwin-Williams or equal 1-800-4-SHERWIN www.sherwin-williams.com
	SC1	Floors: Vestibules, Corridors, Break Rooms, Main Training Room, Work Area, Print Area, Service Workroom, Forman, & Foreman's Assoc.	Bomanite Gunmetal Gray IC (VERIFY COLOR IN FIELD)	Stained Concrete Floors	Bomanite or equal 360-369-1115 www.bomanite.com
	Q1	Countertops & Backsplash	Dalltile N331 Crystal Springs	Quartz	Dalltile or equal 713-681-7625 www.dalltile.com
	PL1	Toilet Partitions	Wilsonart D25-60 Atlanta	Solid Matte medium blue color laminate	Wilsonart or equal 800-432-8667 www.wilsonart.com
	ACT1	Showroom, all Customer Areas	Ultima-1912 Beveled Tegular 24" X 24" X 9/16" GR: White-Fine Texture	Acoustical Ceiling Tile	Armstrong Ceiling Systems 877-Arm-Strong or Equal
	C1	Offices, Conference Rooms	Mannington Commercial Stock Brights 34293 - Dart	Commercial Carpet Tile - Field	Mannington Commercial or equal 800-241-2262 www.mannington.com

	No.	Location	Color & Material Specifications	Descriptions	Manufacturer / Supplier
	CT1	Walls - Wainscot, Main corridors, Bathrooms	Dalltile K175 - Semi-Gloss Biscuit	3"x6" Ceramic Field Tile, Brick pattern	Dalltile or equal 713-681-7625 www.dalltile.com
	CT2	Walls - Top of Wainscot, Main corridors, Bathrooms	Dalltile K175 - Semi-Gloss Biscuit	2"x6" Ceramic Bullnose Trim Tile (5-4269)	Dalltile or equal 713-681-7625 www.dalltile.com
	CT3	Walls - Top of Wainscot, Main corridors, Bathrooms	Dalltile K175 - Semi-Gloss Biscuit	4 1/4"x 6" Ceramic Cove Base Tile (A-3481)	Dalltile or equal 713-681-7625 www.dalltile.com
	CT4	Walls - Wainscot, Main corridors	Dalltile K175 - Semi-Gloss Biscuit	4 1/4"x 4 1/4" Ceramic Wall Accent Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	CT5	Walls - Wainscot, Main corridors	Dalltile 1469 - Semi-Gloss Galaxy	4 1/4"x 4 1/4" Ceramic Wall Accent Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	CT6	Walls - Wainscot, Main corridors	Dalltile K189 - Semi-Gloss Navy	4 1/4"x 4 1/4" Ceramic Wall Accent Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	CT7	Walls - Wainscot, Main corridors	Dalltile DH56 - Semi-Gloss Sunflower	4 1/4"x 4 1/4" Ceramic Wall Accent Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	PT1	Walls - Wainscot, Bathrooms, Bathroom floors	Dalltile D209 Navy Speckle	1"x1" Mosaic Wall Accent Tile & Floor Field Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	PT2	Walls - Wainscot, Bathrooms, Bathroom floors	Dalltile D189 Navy	1"x1" Mosaic Wall Accent Tile & Floor Field Tile	Dalltile or equal 713-681-7625 www.dalltile.com
	PT3	Walls - Wainscot, Bathrooms, Bathroom floors	Dalltile D199 Comsilk	1"x1" Mosaic Wall Accent Tile & Floor Field Tile	Dalltile or equal 713-681-7625 www.dalltile.com

JMB2 ARCHITECTURE COOPERATIVE
PO Box 19867 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WD Engineering, 410 Asbury Street, Houston, Tx. 77007, 713.301.4922

STRUCTURAL: Monghate Engineering, Inc., 7324 SW Freeway, Houston, Tx. 77074, 713.255.3360

MEP: EMA-Estes Mclure & Associates, Inc., 3608 West Way Dr., Tyler, Tx. 75703, 903.581.2677

BUS SERVICE: Maintenance Design Group, 810 South Mason Rd., Ste. 208, Katy, Texas 77450, 832.327.6006

Issue Date: 07/30/14

John Matthew Brown, AIA, Texas Registration #14276, Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4544 Interstate 10 East, Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by:	Author
Checked by:	Checker
*Scale	3/8" = 1'-0"

Revisions:

No.:	Description:	Date:
	50% CD's	
	4/22/15	

Key Plan
NORTH NTS

Sheet Title:
Colors and Materials Board

A800

NOTE: 40% stable when printed at 11x17 size)
7/14/2015 3:51:56 PM

Materials and Finishes Schedule

	Mark	Material	Manufacturer	Style	MFR. No.	Color	Remarks
Interior Walls/ Floors/ Ceilings	P1	Paint	Sherwin-Williams (or equal)	Int.	SW 7012	"Creamy"	Field 1
	P2	Paint	Sherwin-Williams (or equal)	Int.	SW 6815	"Leisure Blue"	Accent 1
	P3	Paint	Sherwin-Williams (or equal)	Int.	SW 6816	"Down Pour"	Accent 2
	P4	Paint	Sherwin-Williams (or equal)	Int.	SW 6517	"Regatta"	Accent 3
	P5	Paint	Sherwin-Williams (or equal)	Int.	SW 6989	"Overjoy"	Accent 4
	P6	Paint					Epoxy
	APC1	Acoutical Panel System	Armstrong Ceiling Systems (or equal)	2'x 2'		White - mfr. std. color	Provide additional 5% attic stock
	APC2	Acoutical Panel System (Grid)	Armstrong Ceiling Systems (or equal)	15/16" exposed "T"		White - mfr. std. color	Provide mfr. std. suspension system & accessories for a complete system
	EX1	Exposed Ceiling					
	CT1	Ceramic Tile	Daltile (or equal)	3"x6" Tile	K175 - Semi-Gloss	"Biscuit"	Field 1
	CT2	Ceramic Tile	Daltile (or equal)	2"x6" Bullnose Tile	(S-4269) K175 - Semi-Gloss	"Biscuit"	Border 1
	CT3	Ceramic Tile	Daltile (or equal)	4 1/4"x6" Cove Tile	(A-3461) K175 - Semi-Gloss	"Biscuit"	Base 1
	CT4	Ceramic Tile	Daltile (or equal)	4 1/4"x 4 1/4" Tile	K175 - Semi-Gloss	"Biscuit"	Accent 1
	CT5	Ceramic Tile	Daltile (or equal)	4 1/4"x 4 1/4" Tile	K1469 - Semi-Gloss	"Galaxy"	Accent 2
	CT6	Ceramic Tile	Daltile (or equal)	4 1/4"x 4 1/4" Tile	K159 - Semi-Gloss	"Navy"	Accent 3
	CT7	Ceramic Tile	Daltile (or equal)	4 1/4"x 4 1/4" Tile	DH50 - Semi-Gloss	"Sunflower"	Accent 4
	PT1	Porcelain Tile	Daltile (or equal)	1"x 1" Mosaic Tile	D269	"Navy Speckle"	Bathroom Accent 1
	PT2	Porcelain Tile	Daltile (or equal)	1"x 1" Mosaic Tile	D189	"Navy"	Bathroom Accent 2
	PT3	Porcelain Tile	Daltile (or equal)	1"x 1" Mosaic Tile	D190	"Cornsilk"	Bathroom Accent 3
	C1	Carpet Tile	Mannington Commercial (or equal)	24"x 24" Modular Tile	04290	"Dart"	Field 1
	HCN???	Hard Concrete					
	SCN???	Stained Concrete	Bomanite (or sim.)	???	???	"Gunmetal Gray"	Verify color (navy blue) in field or provide sample prior to install.
	RBR	Rubber Base	Roppe (or equal)	4" x 1/8" cove	Vinyl Base, Type TV	165 "Colonial Blue"	
Accessories	PLT	Plastic Laminate (Toilet Partitions)					
	WS	Wood Stain					sim. to Wilsonart Laminate 7926-38 "Montisello Maple - contractor to provide stain sample prior to install
	Q1	Quartz - Countertops & Backsplash	Daltile (or equal)	???	NQ31	"Crystal Springs"	
	FR1	Door and Window Frames					
Exterior	GL1	Clear Glass					
	ACM	Aluminum Composite Material	Alucobond (or equal)		PVDF 2???	Clear Anodized	
	CMU 1	Concrete Masonry Unit (Water Table)				White, Burnished	Water Table
	CMU 2	Concrete Masonry Unit				Charcoal, Split Face	Service
	BK 1	Brick	Acme (or equal)	King Size Brick		"Lonestar Clay"	
	PM1	Prefinished Metal	Centria	Concept Series	CS-260	"Steel Grey"	Wall, Operations & Service
	PM2	Prefinished Metal	Centria	W Series	W-36A	"Midnight Bronze"	Wall, Operations
	PM3	Prefinished Metal	Centria?			Clear Anodized	Roof
	GL1	Exterior Glass (Tint)				Black Tint	
	SD???	Sectional Door				Clear Anodized	
	CN	Concrete					Dry Slough
		Canopy					

Furnishing and Equipment General Notes:

1. Model Numbers/Mfr's. Are Listed on Casework Elevations So That A Minimum Design Basis May Be Established. Consequently, The Dimensions Shown (Widths) May Differ from The Mfr's. Standard Dimensions for The Listed Model Numbers. All Model Numbers Are for "Terrill", U.O.N.
2. Provide Side, Top, and Bottom Filler Pieces As Req'd. To Complete Casework Indicated on Plans, Typ.
3. All Floor Mounted Fixtures Are To Have The Same Base Material As The Room They Are In, Typ.
4. Blind Cabinets, at Corners, Are To Be Left or Right Hand, As Req'd. Per Plan. Typ.
5. All Cabinets To Have Plt. Lam. Throughout, Including All Exposed Surfaces Inside and Out (Typ).
6. Provide Plt. Lam. Finished End Panels at All Exposed Cabinet Ends, Typ. Including Kneespaces.
7. Field Verify All Dimensions Prior To Fabrication & Installation of Any Fixtures, Typ.
8. All Bookcases and Shelves To Have Front Facing Surface of Back Panel To Match Finish of Remainder of Bookcase, Typ.
9. All Countertops To Be Plastic Laminate W/ 4" High Backsplash (Terrill, Type No. 2) Typ., U.O.N.
10. Provide Keyed Locks at All Cabinet Doors & Drawers, Where Indicated.
11. All Chalkboards, Tackboards, & Markerboards Are 4'-0" Tall U.O.N. Boards Shall Be in The Same Frame When Adjacent, Typ.
12. All Cbds., Mbds., & Tkbds. To Have Cont. Tackstrips & Chalktroughs, U.O.N. All Tackstrips To Have Map Hooks, Typ., U.O.N.
13. All Kneespace Units Not Receiving Sinks Shall Receive Grommets at 36"O.C., 3" from The Back Edge of The Kneespace Unit & min. 3" from Side Edge, Typ., U.O.N. (Center Grommets on Kneespace, Typ.)
14. All Projection Screens To Be Spring-Roller-Operated, Wall Mounted, 72"X72" W/ 70"X70" Viewing Area, U.O.N.
15. Provide Built in Recessed Combination Locks at All Lockers, U.O.N.
16. All Kneespace Units in The Administration Area Are To Have Mfr's. Standard Computer Keyboard Drawer, Typ., U.O.N.
17. Provide Mfr's. Standard Pencil Drawer Insert at All Kneespace Units W/ Standard Drawers (Not Keyboard Drawers), U.O.N.
18. Typical at Library Circulation Desk, Provide Mfr's. Standard Cont. Closed Floor Base/Toe Space Piece & Cont. Curved & Straight Surround Back Panel, As Indicated on Plans, U.O.N.
19. Provide Horizontal Louver Blinds at All Interior Windows, Typ., U.O.N.
20. Provide Horizontal Louver Blinds at All Exterior Windows, Except at Entries, U.O.N.
21. Provide 2X2x16 Ga. (Type 304) S.S. Corner Guards at All Outside Corners of Drywall Const. in Food Service Areas, from Top of Base, Typ. - Surface Mount, Type Ag-16-2, As Mfr'd. By Metaline or Approved Equal.
22. Provide Acid Resistant Plastic Laminate Student Station Counter Surfaces at Science Rooms, Typ.
23. Provide Epoxy Resin Counter Surfaces at Demonstration Desk Science Rooms, Typ.
24. All Shelves Shall Be Adjustable, U.O.N. Shelves Over 36" in Length Shall Be 1" Thick, Typ.
25. Provide 7/8" Work Tops with Plastic Laminate Finish at All Casework Shelving Units Under 48".

Mounting Height Legend

Note: Coordinate All Electrical Items W/ Casework, Display Boards, Mirrors and Acoustical Material As Indicated on The Plans, Casework Elevations and Interior Elevations, Typ.

1. Fire Extinguishers (Measured Floor to T.O. Cabinet)
   A.All Grades and Adults +56"
2. Pencil Sharpeners (Measured Floor to T.O. 8" x 8" WD BLK)
   A.Grades K-8 +36"
3. CHBD, MKBD and TKBD (Measured Floor to Bott. of Board)
   A.Grades K-6 +28"
4. Door Hardware (Measured Floor to Center of Hardware)
   A.Grades K-6
   i.Push Plates +42"
   ii.Pull Handles +42"
   iii.Knobs +36"
   iv.Panic Exit +36" to CL. of Bar
5. Thermostats and CCMS Sensors (Verify HT. W/ Architect)
   A.All Occupied Spaces +48" MAX. to Top of Box.
6. Convenience Receptacles
   A.General Areas +15" Min. to Bott. of Box
   B.Special Areas As Required, Verify w/ Architect.
7. Clock Outlets
   A.General Areas +96"
   B.Special Areas As Required, Verify w/ Architect
8. Light Switches
   A.All Areas +48" MAX. to T.O. of Box
9. Fire Alarm Pull Stations
   A.All Areas +44" to Bott. of Backbox
10. Fire Alarm Strobes/Horn Strobes
    A.All Areas +80" to Bott. of Backbox, or 6" Below Ceiling, Whichever is lower
11. Smoke and/or Heat Detectors
    A.General Areas =Ceiling Height
    B.Special Areas =As Required, Verify w/ Architect
12. Intercom Speakers
    A.General Areas +96" or Flush w/ Ceiling
    B.Special Areas =As Required, Verify w/ Architect
13. T.V. Mounting Brackets
    A.General Areas +78" A.F.F.
    B.Special Areas As Required, Verify w/ Architect
14. Telephone Outlets
    A.All Areas +15" Min. to Bott. of Box
15. Sound System Call Switches
    A.All Areas +48" MAX. to TOP of BOX
16. Data Cable Outlets
    A. All Areas 15" Min. to Bott. of Box
17. Projection Screens
    A.All Areas Coordinate w/ Architect
18. Countertops (Base Cabinets Floor To countertop)
    A.Grades K-4 +36"
    B.Grades 5 and 6 +32"
    C.Grades 7-12 and Adults +34"
19. Shelf and Rod (Measured Floor to T.O. Shelf)
    A.All Areas +72" U.O.N.
20. Robe Hooks
    A.Adult +72" A.F.F.
    B.Handicapped +48" A.F.F.

General Color Schedule Notes:

1. Manufacturers Names and Identification Numbers Are Listed As A Means of Establishing A Standard of Type, Function, Color, and Quality. Refer To Project Manual for Additional Manufacturers & Procedures.
2. The Contractor Shall Submit To The Architect A Sample of All Finish Materials for Approval Before Materials Are Applied on The Job.
3. Verify All Graphics with The Architect Before Painting. Graphics May Need To Be Adjusted After Enlarging To Reflect The Same Composition As on The Drawings.
4. If Requested The Architect Will Provide 8 1/2" X 11" Clear Acetate or Mylar of Detailed Mural Graphics for Projection on Wall.
5. Terminate All Accent Paints & Vinyl Wall Covering on Inside Corners Only Unless Otherwise Indicated.
6. Paint All Interior & Exterior Exposed Piping. Verify Color W/ Architect.
7. Paint Any Vents, Grilles, Piping, Fec, etc. ...Same Color As Adjacent Wall.

XX1 Colors Will Be Marked As Shown. Note All Colors May Not Be Marked on Plans. Materials Not Noted Will Be Covered Under General Notes or Will Be Picked on The Job By The Architect.

Interior

1. All Carpet Shall Be Mark "C1", U.O.N.
2. Undesignated Painted Gyp.Bd Walls To Be Mark "P1".
3. Undesignated Painted CMU Walls To Be Mark "P1".
4. All Interior Hollow Metal Door and Window Frames Shall Be Painted To Match Mark "P2", U.O.N. All Vision Panel Frames in Interior Doors To Match Mark "P2".
5. All Interior Hollow Metal Doors Shall Be Painted To Match Mark "P2".
6. All Interior Wood Doors & Unassigned Wood Trim Pieces Shall Be Mark "WS".
7. Steel Handrails (Interior) Shall Be Painted To Match Mark "P8".
8. All Boy's and Girl's Toilet Partitions Shall Be Mark "PL1".
9. All Base Cabinets, Wall Cabinets, and Misc. Case Work Shall Be Wood Veneer Stained Mark "WS".
10. All Countertops Shall Be Mark "PL1", U.O.N.
11. Provide Preformed Rubber Treads and Risers for All Stairs. Color Shall Be Mark "RF".
12. All Metal Lockers Shall Be Finished To Match Mark "P3".
13. Provide High Impact Wallcovering Mark "HW" with Matching Bumper Rail at Elevator Cabin, Typ.
14. Patterns and Colors for Areas Scheduled To Receive Mosaic Ceramic Tile Shall Be As Represented in Detail B1/AP1.01.
15. Patterns and Colors for Areas Scheduled To Receive Ceramic Wall Tile Wainscot Shall Be As Represented in Detail A1/AP1.01. Refer To Interior Elevations on Sheets A521 & A522 for Clarification.
16. All Interior and Exterior Storefront and Curtainwall Shall Have A Clear Anodized Finish.

Exterior

1. All Exterior Steel Lintels Shall Be Painted To Match Adjacent Brick.
2. All Vertical Surface Plaster To Be Mark "PS1". All Horizontal Surface Plaster To Be "PS1".
3. All Flagpoles To Have Clear Anodized Finish, U.O.N.
4. All Alum. Windows & Door Frames Shall Be Clear Anodized, Exterior Glazing To Be Mark "GL" Insulation Glass, Typ.
5. Mortar Shall Match The Brick It Surrounds.
6. Undesignated Fields of Brick To Be Mark "BK1".
7. All Exterior Metal Shall Be Finished As Follows:

   Clear Anod - Aluminum Storefront, Aluminum Windows
   AWP- Aluminum Roof Panels, Wall Panels,
   PM- All Undesignated Pre-Finished Metal
   PM- Pre-Finished Louvers
   Galvanized- Gutters, Downspouts, Brackets & D.S. Boots; Steel Handrails.
   HC1- Hollow Metal Doors, and Frames
   Galvanized- All Exposed Counter Flashing, Pipe Supports and Other Misc. Flashing (U.O.N.).

JMBZ ARCHITECTURE COOPERATIVE
PO Box 19867 Sugar Land, TX 77496
281.980.0900 www.JMBZ-ARCH.com

Consultants:
CIVIL: WG Engineering, 410 Asbury Street, Houston, Tx. 77007, 713.301.4922
STRUCTURAL: Monghate Engineering, Inc., 7324 SW Freeway, Houston, Tx. 77074, 713.255.3360
MEP: EMA-Estes Mclure & Associates, Inc., 3608 West Way Dr., Tyler, Tx. 75703, 903.581.2677
BUS SERVICE: Maintenance Design Group, 810 South Mason Rd., Ste. 208, Katy, Texas 77450, 832.327.6006

Issue Date: 10/28/14

John Matthew Brown, AIA, Texas Registration #14276, Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center
4544 Interstate 10 East, Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by	AR
Checked by	JMB
Scale	1/2" = 1'-0"

Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan NORTH NTS

Sheet Title: Materials Schedule

A801

Room Schedule

Number	Name	Base Finish	Floor Finish	North Wall	East Wall	South Wall	West Wall	Ceiling Finish	Ceiling Height	Remarks	Area
A100	Vestibule	-	S-CONC	PT1	PT1	-	PT1	APC1	9'-0"		114 SF
A101	Lobby	CT	S-CONC	-	PT1	PT1	PT1	APC1	9'-0"		734 SF
A102	Field Trip	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		164 SF
A103	Routing	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		299 SF
A104	Print	RBR	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		94 SF
A105	Master Drivers	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		375 SF
A106	Video 2	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		47 SF
A107	Video 1	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		47 SF
A108	Training	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		182 SF
A109	Corridor	-	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		196 SF
A110	TIC Storage	RBR	H-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		54 SF
A111	Women	CT	CT	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		292 SF
A112	Men	CT	CT	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		218 SF
A113	Receptionist	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		90 SF
A114	Assist. Director	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		170 SF
A115	Conference	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		158 SF
A116	Secretary	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		191 SF
A117	Director	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		153 SF
A118	Corridor 3	-	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		331 SF
A119	Conference	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		191 SF
A120	Open Office	-	CPT / S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		593 SF
A121	Work	RBR	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		76 SF
A122	Toilet	CT	CT	PT1	PT1	PT1	PT1	APC1	9'-0"		64 SF
A123	Storage	RBR	H-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		61 SF
A124	Supervisor	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		153 SF
A125	Supervisor	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		149 SF
A126	Supervisor	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		152 SF
A127	Dispatch	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		467 SF
A128	Corridor	CT	S-CONC	PT1	PT1	PT1	PT1	APC1	10'-0"		1019 SF
A129	Break Room	-	S-CONC	PT1	PT1	PT1	PT1	APC1	Varies		767 SF
A129A	Storage	RBR	H-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		62 SF
A130	Training	-	S-CONC	PT1	PT1	PT1	PT1	APC1	Varies		1688 SF
A130A	Storage	RBR	H-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		66 SF
A131	Conference 2	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		116 SF
A132	Conference 1	RBR	CPT	PT1	PT1	PT1	PT1	APC1	9'-0"		116 SF
A133	Vestibule	-	S-CONC	PT1	PT1	PT1	PT1	APC1	10'-0"		91 SF
A134	IT	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		99 SF
A135	Archives	RBR	H-CONC	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		112 SF
A136	Electrical	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		126 SF
A137	Janitor	RBR	H-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		46 SF
A138	Toilet	CT	CT	PT1	PT1	PT1	PT1	APC1	9'-0"		55 SF
A139	Riser Rm	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		55 SF
A200	Mechanical	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		417 SF
B100	Service Bays	-	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		10996 SF
B101	Batt. St.	-	H-CONC	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		136 SF
B102	Men	CT	CT	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		350 SF
B103	Women	CT	CT	PT1	PT1	PT1	PT1	GYP. BD.	9'-0"		206 SF
B104	Break Room	-	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		335 SF
B105	Foreman	RBR	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		116 SF
B106	Assoc.	RBR	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		115 SF
B107	Workroom	RBR	S-CONC	PT1	PT1	PT1	PT1	APC1	9'-0"		263 SF
B108	Parts	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		806 SF
B110	Liquid Storage	-	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		577 SF
B200	Parts	RBR	H-CONC	PT1	PT1	PT1	PT1	EXP. STR.	Varies		2412 SF

Finish Schedules Remarks

1. Ceiling varies, refer to RCP
2. Epoxy Paint Ceiling
3. Provide Tectum Acoustical Panels on Adjacent Walls.
4. Suspended Exterior Gypsum Soffit Board - Epoxy Painted in Shower Ceiling Only.
5. Refer AF6.01 for Ceramic Tiles Patterns at All Walls and Floors.
6. Provide Radial Rubber Flooring at Ramps.
7. Paint Ceilings.
8. Refer to Food Service Documents for Additional Information.
9. Provide Horizontal Mini-Blinds at Windows.
10. Provide Shades at Windows.

General Finish Notes

1 Floor Material Changes Between Rooms to Occur Under Door (U.O.N) Refer to Furnishing & Equipment Plans for Floor Material Transitions and Patterns.

2 (#) - References the Finish Schedule Remarks.

3. Coordinate Interior Finishes w/ Wall Types. (See Plan)

4. All APC Shall Be Per The Following Guidelines:

- APC1 Shall Be 24" x 48" Standard as SApecified
- APC2 Shall Be 24" x 48" Lay-In Vinyl Faced GYP BD.
- APC3 Shall Be 24" x 48" Standard as Specified

5. Refer ITo Lighting Plans for Ceiling Grid Layout (U.O.N)

6. Provide CJs at GYP BD Ceilings at 90'-0" OC Max U.O.N. Provide CJs at Walls/BLKHDS at 30'-0" Max U.O.N.

7. Refer to Floor Plans for Bulkhead Locations & CL'G HT Variations

JMB2 ARCHITECTURE COOPERATIVE
PO Box 16867 Sugar Land, TX 77496
281.980.0900 www.JMB2-ARCH.com

Consultants:

CIVIL: WO Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.226.3260

MEP: EMA-Estes Mclure & Associates, Inc.
3608 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
816 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 10/28/14

John Matthew Brown, AIA
Texas Registration #14276
Not for Regulatory Approval,
Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4544 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date:	11/28/14
Drawn by:	AR
Checked by:	JMB
*Scale:	

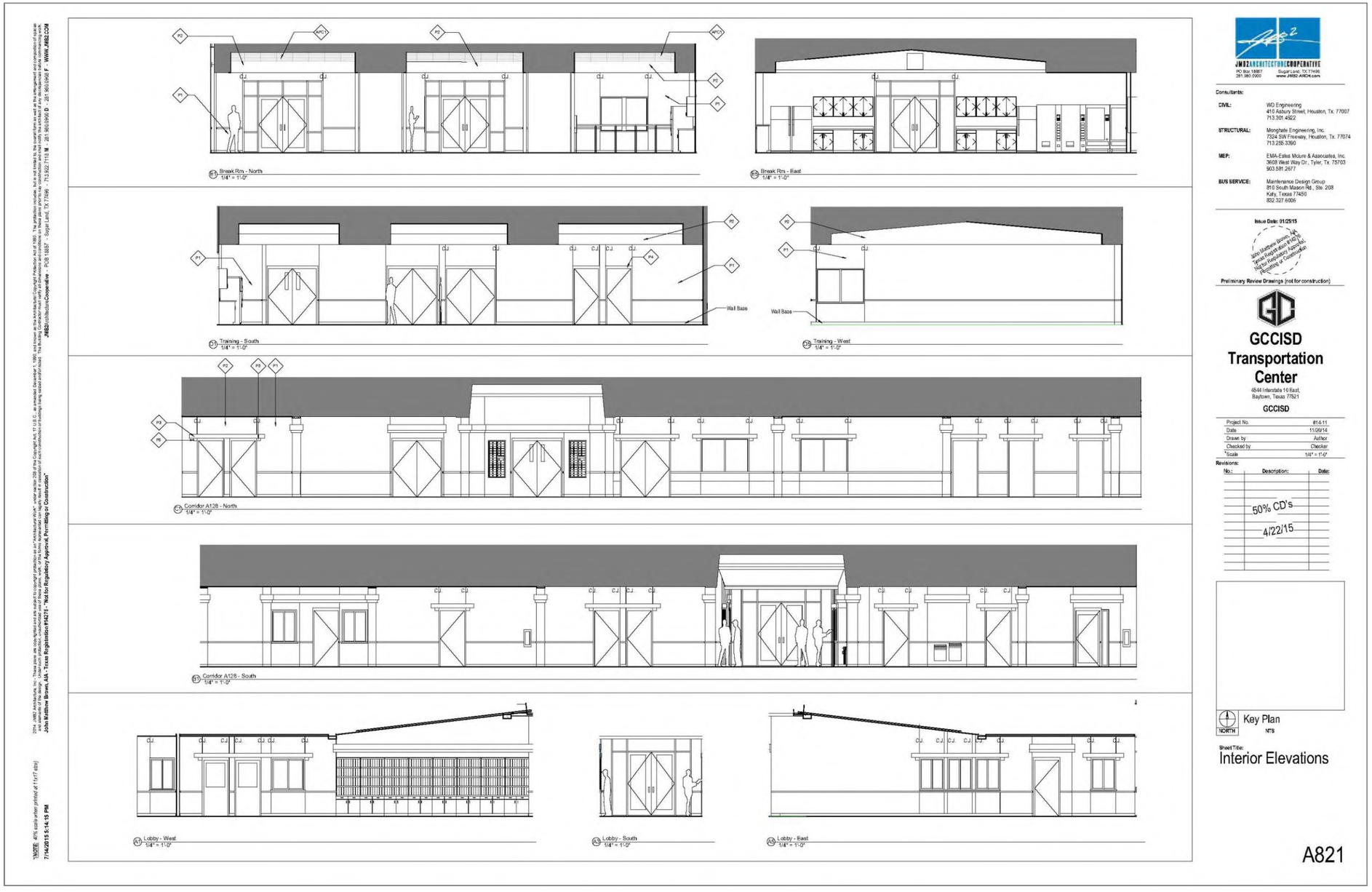
Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan
NORTH NTS

Sheet Title:
Room Finish Schedule

A802



JMBZ ARCHITECTURE COOPERATIVE
PO Box 18987 Sugar Land, TX 77496
281.980.0900 www.JMBZ-ARCH.com

Consultants:

CIVIL: WD Engineering
410 Asbury Street, Houston, Tx. 77007
713.301.4922

STRUCTURAL: Monghate Engineering, Inc.
7324 SW Freeway, Houston, Tx. 77074
713.288.3360

MEP: EMA-Estes Mclure & Associates, Inc.
3908 West Way Dr., Tyler, Tx. 75703
903.581.2677

BUS SERVICE: Maintenance Design Group
810 South Mason Rd., Ste. 208
Katy, Texas 77450
832.327.6006

Issue Date: 01/25/15

John Matthew Brown, AIA
Texas Registration #42210
Not for Regulatory Approval, Permitting or Construction

Preliminary Review Drawings (not for construction)

GCCISD Transportation Center

4840 Interstate 10 East,
Baytown, Texas 77521

GCCISD

Project No.	#14-11
Date	11/26/14
Drawn by	Author
Checked by	Checker
*Scale	1/4" = 1'-0"

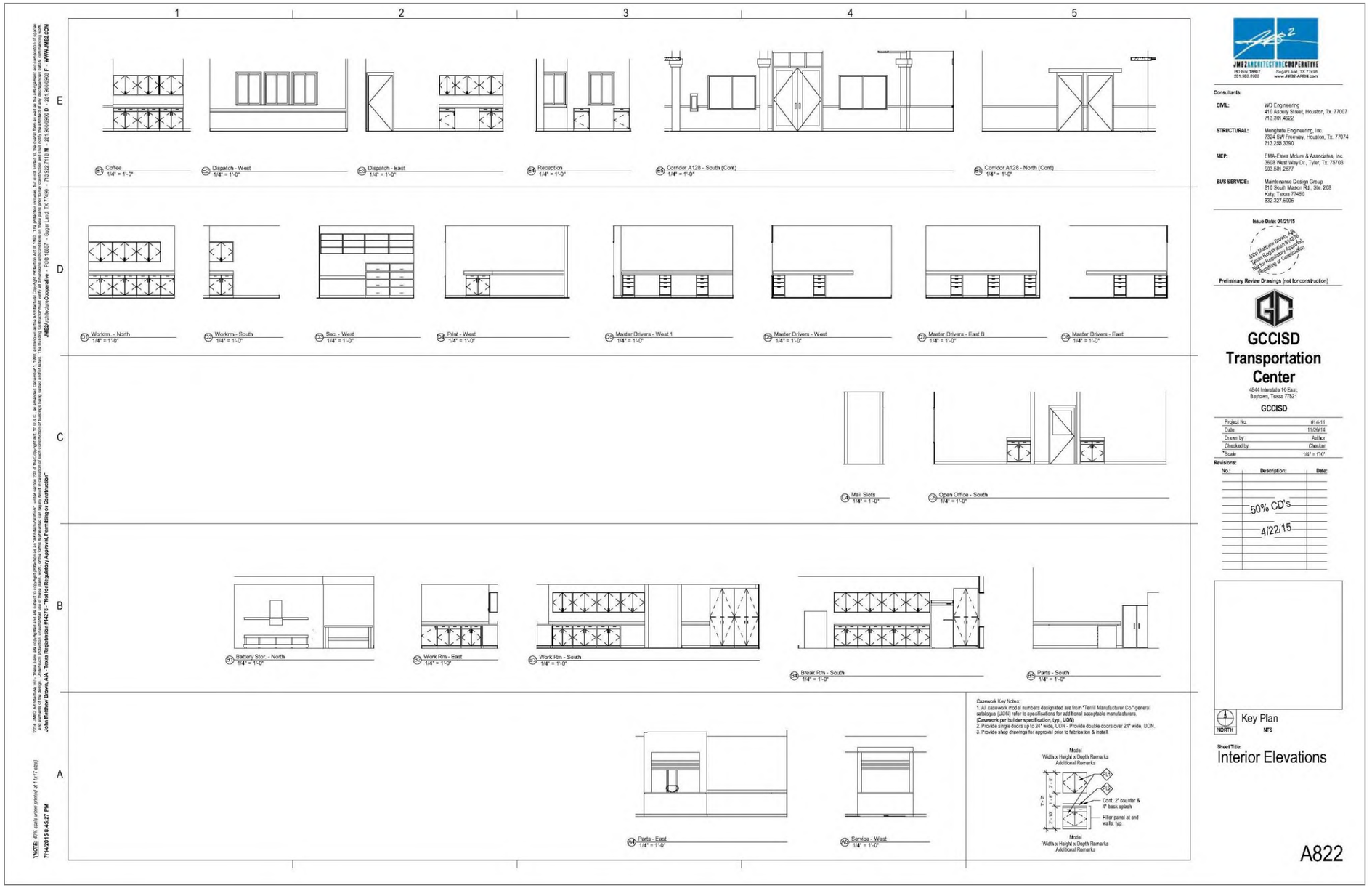
Revisions:

No.:	Description:	Date:
	50% CD's	4/22/15

Key Plan
NORTH NTS

Sheet Title:
Interior Elevations

A821



JMB2 Architecture Cooperative

Outline Specifications

5

GCCISD New Transportation Center Facility Outline Specification

DIVISION 1 – GENERAL REQUIREMENTS

1. The general construction contract for the New Transportation Center Facility will include all labor, materials, and services to construct the building, drives, and parking.
2. The project will utilize the Construction Manager At-Risk method.
3. The facilities will be designed for compliance with the 2012 IBC Code, published by the International Code Council, Inc., as amended in section 18-92 of the Baytown Building Code.
4. General Contractor shall install temporary fencing around all trees and green spaces to remain.

DIVISION 2 – SITE WORK

1. Goose Creek Consolidated Independent School District hired Raba Kistner Consultants, Inc. to perform the geotechnical engineering study for this project. Report dated December 4, 2014 is available upon request.
2. General site work includes site clearing, underground site utilities, imported fill and construction of the building pads, rough and fine grading, sodding/seeding, etc.
3. Underground sanitary sewer, storm, and water piping will be extended to the new facility from existing piping systems adjacent to, or on, the building site.
4. Site work will include grading for surface storm water drainage into inlets, and underground storm water piping that outfall into a detention pond. Roof drains will be connected to the storm water drainage system.
5. On-Site detention required by City.
6. Contractor shall perform rough and fine grading.
7. Saw cutting and demolition of existing site entrances so new culverts and concrete entrances can be installed.

DIVISION 3 – CONCRETE

1. It is anticipated that the project site & soils will permit a reinforced concrete slab on grade, with concrete grade beams and drilled/under-reamed piers for preliminary evaluation at a pier-bearing depth of 14’ below existing natural grade may be assumed. Slabs on grade will be placed on a 6 mil polyethylene vapor retarder.
2. Ground and polished concrete floor slabs, including stained and polished concrete.
3. Non-shrink grout.

DIVISION 4 – MASONRY

1. CMU and brick masonry units.
2. Reinforced single-wythe CMU wall construction in the Service Building.
3. Brick veneer construction on Operations Building to 4 feet above finished floor.

DIVISION 5 – METALS

1. Misc. structural steel framing at Mezzanine and overhead support framing for folding partition in Training.
2. Floor joist framing at the Mezzanine.
3. Steel floor decking at the Mezzanine.
4. Cold-formed metal framing will be used in the Operations Building.
5. Misc. metal brackets and support.
6. Steel stairs with either metal pan filled with concrete treads or abrasive-finished metal treads.
7. Steel pipe railings and guard rails at stairs and Mezzanine.
8. Expanded metal grating at continuous floor drains in Service Building service bays.

DIVISION 6 – WOOD AND PLASTICS

1. Wood blocking at casework and around door frames and railings.
2. Wood fencing.
3. Gypsum board sheathing over CFMF studs at exterior walls behind brick veneer and metal wall panels.
4. Chair rail at corridor walls and rod and shelf in Men and Women locker room.

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

1. Cold-Applied, Asphalt Emulsion Damproofing over exterior CMU and gypsum sheathing at brick veneer and metal panel veneer walls.
2. Provide batt insulation in exterior wall cavities and vinyl faced batt insulation at the metal roof.
3. Latex joined sealants will be used at interior control and expansion joints and at the perimeter of joints of the exterior openings.
4. Provide acoustical sealants at wall plates and tops separating sounds sensitive rooms.

DIVISION 8 – DOORS AND WINDOWS

1. Painted hollow metal door frames and doors. Interior fixed windows will be painted hollow metal frames with clear safety glass.
2. Interior doors will be plastic laminated flush wood doors.
3. Provide painted metal framed flush access doors as required.
4. Provide electric overhead coiling doors at the Service Bays
5. Main entry exterior doors will be aluminum storefront glazed with tinted safety glass. Exterior windows will be fixed, aluminum storefront with tinted. Insulated, low-e safety glass. Provide aluminum sun shading devices over windows at Operational Building.
6. Provide 6’ wide sliding glass window at Service Bay to Parts and a pass-thru window at Corridor to Association.
7. Door hardware will be mortised – brushed stainless steel finish, keyed to GCCISD master keying system. All hardware will be scheduled and in the construction contract. Some of the exterior doors will be on a card reader electronic door lock system specified by the Owner. All hardware will be installed by the contractor. All cost and installation to be part of construction contract.
8. Aluminum louvers will be provided as scheduled in MEP drawings.

DIVISION 9 – FINISHES

1. Interior walls and furr down framing shall be non-structural metal framing.
2. Interior walls and furr down shall be gypsum wall board. Wall board behind ceramic tile to be cement backer board. Gypsum board ceilings will be provided at restrooms.
3. Glazed ceramic tile on restroom and shower walls and unglazed ceramic tile on restroom and shower floors. Portland cement grout will be specified.
4. Ceilings in all office, training, corridors and workrooms to be 2 x 2 lay-in acoustical tile in a suspended painted metal grid.
5. FRP panels to be installed to a height of 4’ above finish floor in all Janitor Closets. Provide corner, top and vertical trim pieces.
6. 6” high resilient wall base on all walls.
7. Metal transition strips at carpet to VCT and concrete transitions.
8. Offices, conference rooms, training and break rooms will have direct glued tile carpeting.
9. Offices, conference rooms, training and break rooms will have direct glued sheet carpeting.
10. Painting of exposed exterior steel lintels, bollards.
11. Interior gypsum board walls and furr downs throughout the Operations and Service Buildings will be painted. Interior CMU walls to be painted with epoxy paint. Interior hollow metal frames and doors to be painted.
12. Epoxy paint will be on exposed CMU walls.

DIVISION 10 – SPECIALTIES

1. Porcelain enamel marker boards and vinyl-fabric covered tack boards will be provided in designated office, training, break rooms, workrooms and corridors.
2. Provide a cast building dedication plaque.
3. Provide cast aluminum lettering attached to marquee wall.
4. Provide wall mounted laminated panel signage for all rooms and spaces.
5. Provide informational and directional aluminum post and panel signs on drives and at parking areas.
6. Provide overhead braced solid HDPE plastic toilet partitions and urinal screens. Provide continuous wall brackets, continuous hinges, coat hooks, door latches and pilaster shoes and sleeves. Hardware will be stainless steel.
7. Are we using these partitions at Mezzanine over Service Bays?
8. Curtains at dressing areas and shower enclosures in Men’s and Women’s Showers.
9. Modernfold Encore paired panel, manually operated panel system. This system will have both welded steel frame and welded steel panel faces. Panels will be rated at 54 STC and both finished with standard vinyl wallcovering.
10. Stainless Steel grab bars will be provided at all accessible toilet stalls and private toilet rooms. Stainless steel framed, tempered glass mirrors will be provided above all lavatories in toilet rooms. Multi-roll toilet tissue holders will be provided at all water closets. Paper towel and soap dispensers will be provided at all restrooms. 2- 24” x 42” HC wood benches will be provided in Dressing areas in Men’s and Women’s Service Locker Rooms. One loose bench will be provided in Men’s Locker Room.
11. Semi-recessed fire extinguisher cabinets.
12. Provide fire extinguishers in cabinets as shown on plan.
13. Provide double stacked metal lockers in Dressing areas in Men’s and Women’s Service Restrooms.
14. Provide one 35’ tall aluminum flagpole with one-United States and one-Texas flag. Provide a light.
15. Provide aluminum walkway covers outside Break Room, at Main
16. entries, and at man doors around the Service building.

DIVISION 11 – EQUIPMENT

1. Provide card readers that operate automatic gate controllers at two locations.
2. Provide 3-refrigerators, 2- ice makers, 2- microwaves and 2- trash disposals.

DIVISION 12 – FURNISHINGS

1. Provide horizontal blinds at all exterior windows.
2. All casework will be plastic laminate clad over plywood construction with standard grade plastic laminate. Use heavy duty hinges and drawer slides.
3. All casework countertops will be plastic laminate clad over plywood construction with standard grade plastic laminate. Provide solid surface tops in the restrooms.
4. Provide concrete filled pipe bollards, trash and ash receptacles and planters as shown in the construction documents.

DIVISION 13 – SPECIAL CONSTRUCTION

1. Pre-engineered metal buildings including rigid structural steel frame, metal roof and wall panels with all steel purlins, fasteners, insulation, gutters and downspouts.

DIVISION 31 – EARTHWORK

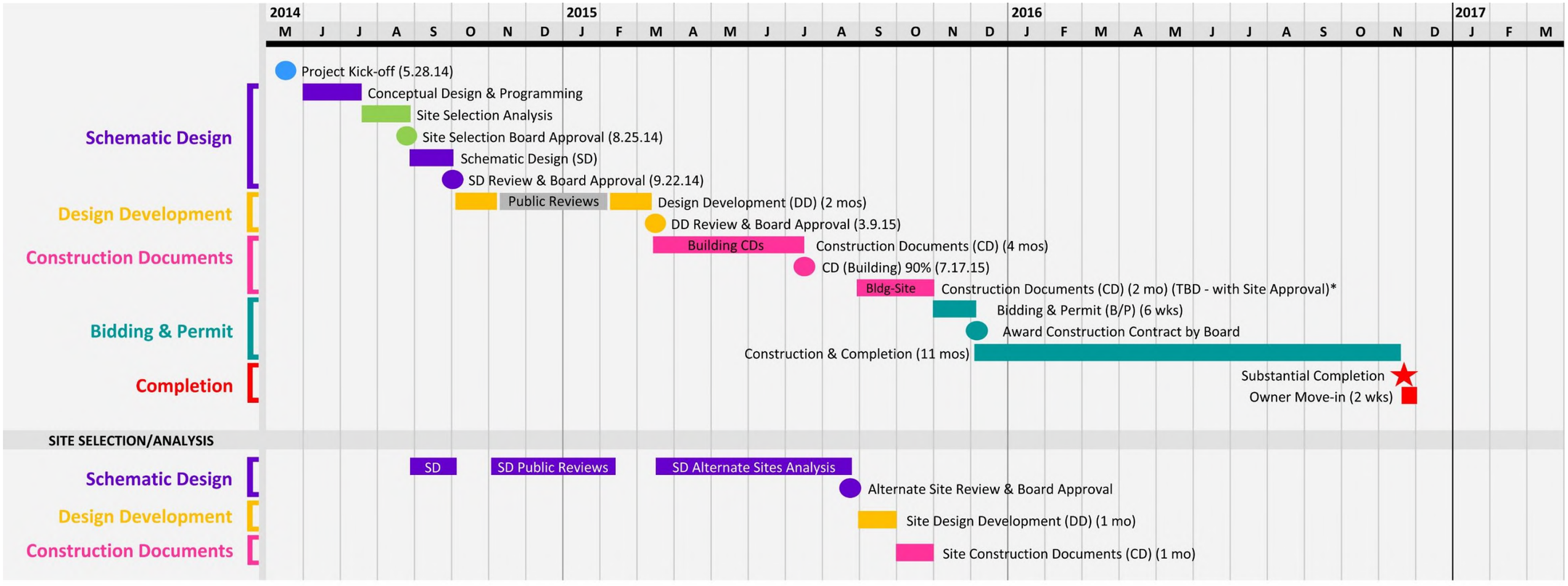
1. Clear and grub site and stock pile topsoil for reuse.
2. Rough and fine grading, excavation for building pads, paving, and detention pond and drainage swales. Grading to include grading for surface storm water drainage to inlets and underground storm piping that outfall to the detention pond. It will be a 40 acre foot detention pond with 1:3 max. sloped sides on the northeast corner of the site.A lift station shall be used to pump storm water out of detention pond into drainage swale that drains to public storm system. Overexcavation and select fill replacement a depth of 4’ may be required under all building footprints to achieve a PVR of <1 according to the geotechnical report provided by GCCISD.
3. Removal of accumulated ponding rainwater from excavated areas so as to support and speed up the construction process after a rain event.
4. Apply termite protection under new building slabs.
5. Drill under reamed pier holes and install reinforcement and concrete as designed by the structural engineer. Bottom of pier to be 14’ below natural grade. Coordinate design and construction of piers with the recommendations from the geotechnical report provided by GCCISD.

DIVISION 32 – EXTERIOR IMPROVEMENTS

1. Install asphalt paving in areas shown on Construction Drawings.
2. Install reinforcement and concrete paving as designed by the civil engineer. Coordinate design and construction of paving with the recommendations from the geotechnical report provided by Goose Creek Consolidated I.S.D.. Provide 5” thick paving at car parking areas, 6” thick paving at car drives and 7” thick paving at bus drives.
3. Clean and seal all expansion joints in concrete paving, sidewalks and concrete to building conditions.
4. Provide TrueGrid stone filled Permeable Paver System at the Bus Parking Lot. Pavers will be installed over 8 inches of washed crushed stone (1" diameter), compacted in 4 inch lifts with grid cover stone - 1.8 inches washed crushed stone (1/2" diameter) with striping domes. Include 3-year materials and workmanship warranty.
5. Provide standard concrete wheel stops at asphalt or concrete pavement in Staff parking lot. Provide 6‘ wide low profile recycled rubber wheel stops at all bus parking spaces.
6. Provide painted parking striping at Staff and Bus Parking lots, fire lane painting and accessible aisle and all driveway striping.
7. Provide 6’ high chain link fencing, manual swinging gates and automatic sliding gates. Work includes fence framework, fabric and accessories, concrete post foundations, gates and related hardware and privacy slats. There will be two 30’ wide automatic sliding gates controlled by a card reader.
8. Provide a total programmable irrigation system for all new planting and grass areas immediately around the Main Building. Also provide a total programmable irrigation system for all new planting re the total site.
9. Install soil preparation per Landscape Architect instructions.
10. Install 2’ wide strip adjacent to all new drives and parking immediately around the Main building. Hydro-seed all fine graded areas on the site.
11. Provide trees, bushes, flowers, etc.. per landscape drawings.

Project Schedule

6



* Note: Final schedule completion dates are contingent upon site selection approval. Durations listed will be adjusted and ultimate schedule dates will be determined and based on date of site selection approval.

COLLABORATION BEGINS HERE.

JMB2ARCHITECTURECOOPERATIVE ▪ POB 18857, Sugar Land, TX 77496 ▪ 281.980.0900 T ▪ 281.980.0908 F ▪ WWW.JMB2.COM