May 29, 2018
IDEA PUBLIC SCHOOLS – IDEA Brownsville Robindale Phase I



GOMEZ MENDEZ SAENZ, INC.
1150 PAREDES LINE RD.
BROWNSVILLE, TEXAS 78526
(956) 546-0110

ADDENDUM NO. 2

A. PURPOSE AND INTENT
This addendum is issued for the purpose of modifying the plans and specifications for the IDEA PUBLIC SCHOOLS – IDEA Brownsville Robindale Phase I

This addendum shall become part of the contract and all CONTRACTORS shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same.

The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this Addendum.

B. SCOPE

I. CLARIFICATIONS:

1. Pre-Proposal conference Agenda and Sign-In Sheet INCLUDED within this addendum.
2. Contractor must include Performance and Payment Bond costs in Base Bid. Reference Item 11.4 in the Supplementary Conditions to the General Conditions of the Contract for Construction IDEA Public Schools.

II. SPECIFICATIONS:

1. Section 09642 – Gymnasium Wood Flooring
   Subject to compliance with this section:
   - *Connor Sports Flooring, NEOSHOK, shall be an approved manufacturer and product.*
   - *Aacer Flooring, AacerFlex, shall be an approved manufacturer and product.*

III. PLANS:

1. Sheet A1.02 – Overall Site Plan
   a. ADD Exterior Drinking Fountain and concrete walk to Soccer Field. Replace Sheet A1.02 previously issued with Sheet A1.02 included in this addendum.
   b. REVISE Running Trail at Soccer Field. Replace Sheet A1.02 previously issued with Sheet A1.02 included in this addendum.

c. ADD Key Note 33 and 34 – Owner provided/Contractor Installed benches and trash cans. Replace Sheet A1.02 previously issued with Sheet A1.02 included in this addendum.

2. Sheet A2.01 – First Floor Plan
    a. REVISE Partition Types, Detail References and Room Finish Schedule – Replace Sheet A2.01 previously issued with Sheet A2.01 included in this addendum.
3. Sheet A2.02 – First Floor Plan
    a. REVISE Partition Types, Elevation Keys, Detail References, Dimension String and Room Finish Schedule – Replace Sheet A2.02 previously issued with Sheet A2.02 included in this addendum.
4. Sheet A2.03 – Second Floor Plan
    a. REVISE Partition Types, Elevation Keys, Detail References and Dimension String – Replace Sheet A2.03 previously issued with Sheet A2.03 included in this addendum.
5. Sheet A2.04 – Second Floor Plan
    a. REVISE Elevation Keys, Detail References and Dimension String – Replace Sheet A2.04 previously issued with Sheet A2.04 included in this addendum.
6. Sheet A2.05 – First Floor Fixture Plan
    a. REVISE Elevation Keys and Detail References – Replace Sheet A2.05 previously issued with Sheet A2.05 included in this addendum.
7. Sheet A2.06 – Second Floor Fixture Plan
    a. REVISE Elevation Keys and Detail References – Replace Sheet A2.06 previously issued with Sheet A2.06 included in this addendum.
8. Sheet A2.07 – First Floor Reflected Ceiling Plan
    a. REVISE Section Keys and Detail References at folding partition furr down – Replace Sheet A2.07 previously issued with Sheet A2.07 included in this addendum.
9. Sheet A2.12 – VCT Pattern and Accent Wall Locations Plan
    a. ADD VCT Tile Pattern to Main Entry and Lobby – Replace Sheet A2.12 previously issued with Sheet A2.12 included in this addendum.

Civil Addendum Items: See Attached Information (8 Pages)
Landscape Addendum Items: See Attached Information (5 Pages)
MEP Addendum Items: See Attached Information (13 Pages)

End of Addendum 2

GMS ARCHITECTS

Pre-Proposal Conference
IDEA PUBLIC SCHOOLS – Brownsville Robindale and South McAllen

April 24, 2018

- **Sign-In Sheet**

- **Construction Proposal Documents**
  - Electronic Copies available thru Gomez Mendez Saenz, David Monreal, dmonreal@gmsarchitects.com Must sign electronic file release form.

- **Bidding Questions**
  - Project questions regarding the project shall be submitted in writing for a formal response via email to: David Monreal, dmonreal@gmsarchitects.com Written questions will be accepted until:
    - Brownsville Robindale - 12:00pm (Noon) Monday May 28, 2018.
    - South McAllen – 12:00pm (Noon) Thursday May 31, 2018.
  - No Addendums have been issued.

- **Bidding Information**
  - Brownsville Robindale
    - Sealed Proposals are due no later than **4:00pm, on Thursday May 31, 2018**. Properly identified Proposals will be opened and read aloud.
  - South McAllen
    - Sealed Proposals are due no later than **4:00pm, on Tuesday June 5, 2018**. Properly identified Proposals will be opened and read aloud.
  - A 5% Bid Bond must accompany the proposal. Must be Original.
  - Project Allowances are noted in Section 01010 Summary of Work General Requirements.
  - Bid Items
    - There is (1) Alternate for this project. Listed in Section 01010 Summary of Work General Requirements.
    - Kitchen Equipment Cost – This break-out cost should already be included in your Base Bid.
  - Review Ranking Evaluation and Ranking Criteria.
    - Provide (3) copies of your Proposal
    - Respond to every question

        - Firm Experience/Key Personnel
        - Proposed Subcontractor Team (No later than 48 Hours after bid). Email to David Monreal dmonreal@gmsarchitects.com
        - Other required information (No Point Value)
    - Product Substitutions – Bidding Requirements
        - Must be submitted (10) days before receipt of bids.
            - Approvals will be issued via Addendum only.
        - Current Specs list a Basis of Design and approved manufactures.

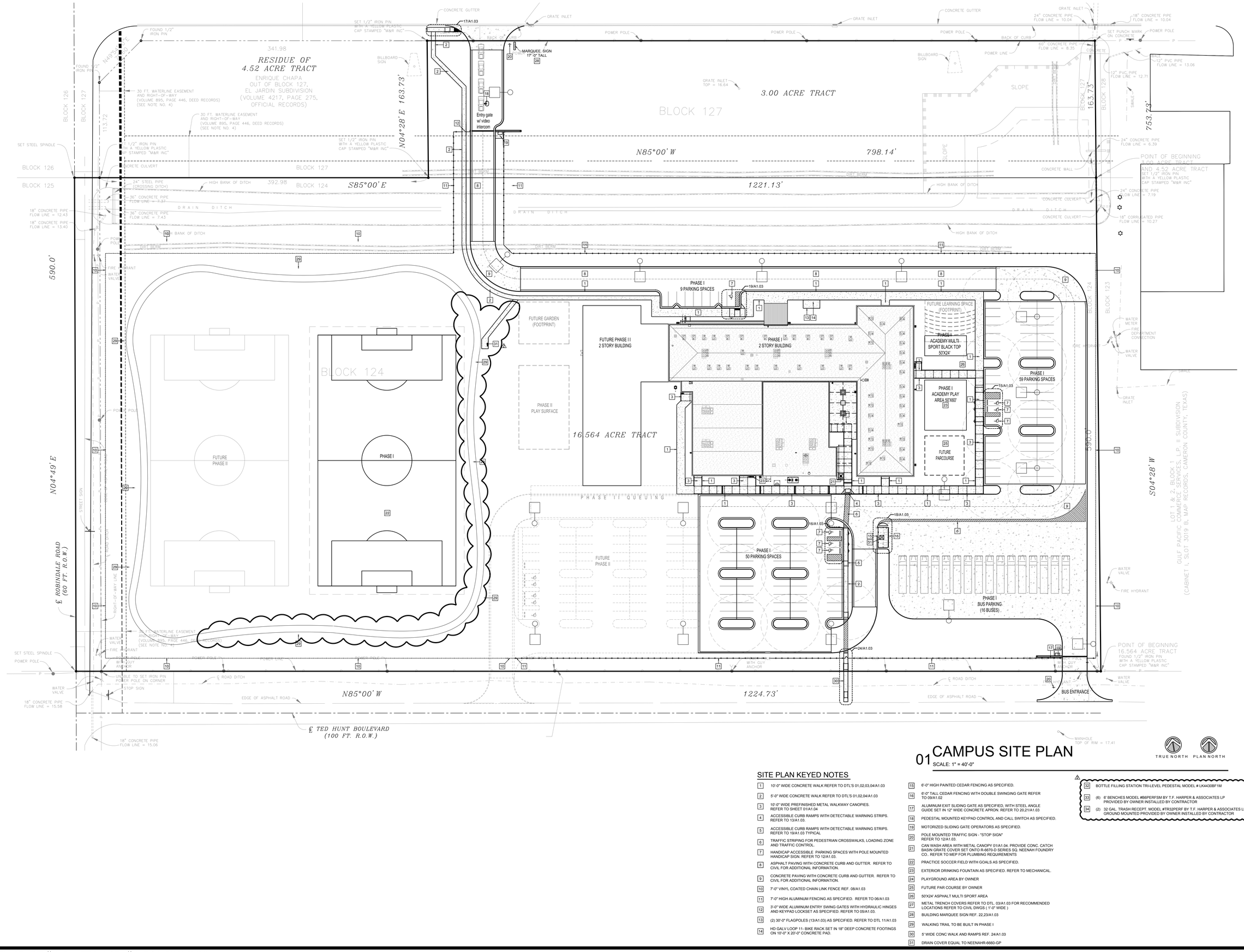
- **Project Overview**
    - Project Estimated Budget is $11.5 Million
    - Project consists of the following:
        - Two Story Building - Classroom Wings, Cafeteria/Kitchen, Gymnsaium and Administration Area
        - Parking Lot and Bus Parking
        - Perimeter Fencing and Entry Gates
        - Irrigated Soccer Field
        - Walkway Canopies
    - Brownsville Robindale – Windstorm Certified (South McAllen is not)

- **Questions?**

GMS ARCHITECTS

IDEA PUBLIC SCHOOLS
Brownsville Robindale and South McAllen
May 22, 2018

Name	Company	Phone Number	E-Mail
David Monreal	GMS Architects	956-546-0110	dmonreal@gmsarchitects.com
Ernie Villarreal	PMSI	512-989-7045	evillarreal@pmsitx.com
Ruben Murrieta	ZIWA corp.	956-542-8167	ruben@ziwacorp.com
Edward Ramirez	CAPPA	956-802-0671	eramirez@capatexas.com
JAIME ENRIQUEZ	ECON GROUP	259.8005	jenriquez@econgroup.us
Annette Carmona	Holchemont	956-686-2901	a.carmona@holchemont.com
Brandy Celedon	VIC	956 5337784	brandy@vicinsight.com
Leo Aguilar	Ziwa Corp	956-542-8167	leoaguilar@ziwacorp.com



01 CAMPUS SITE PLAN

SCALE: 1" = 40'-0"

TRUE NORTH PLAN NORTH

SITE PLAN KEYED NOTES

1. 10'-0" WIDE CONCRETE WALK REFER TO DTL'S 01,02,03,04/A1.03
2. 5'-0" WIDE CONCRETE WALK REFER TO DTL'S 01,02,04/A1.03
3. 10'-0" WIDE PREFINISHED METAL WALKWAY CANOPIES. REFER TO SHEET 01/A1.04
4. ACCESSIBLE CURB RAMPS WITH DETECTABLE WARNING STRIPS. REFER TO 13/A1.03.
5. ACCESSIBLE CURB RAMPS WITH DETECTABLE WARNING STRIPS. REFER TO 19/A1.03 TYPICAL
6. TRAFFIC STRIPING FOR PEDESTRIAN CROSSWALKS, LOADING ZONE AND TRAFFIC CONTROL.
7. HANDICAP ACCESSIBLE PARKING SPACES WITH POLE MOUNTED HANDICAP SIGN. REFER TO 12/A1.03.
8. ASPHALT PAVING WITH CONCRETE CURB AND GUTTER. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
9. CONCRETE PAVING WITH CONCRETE CURB AND GUTTER. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
10. 7'-0" VINYL COATED CHAIN LINK FENCE REF. 08/A1.03
11. 7'-0" HIGH ALUMINUM FENCING AS SPECIFIED. REFER TO 06/A1.03
12. 3'-0" WIDE ALUMINUM ENTRY SWING GATES WITH HYDRAULIC HINGES AND KEYPAD LOCKSET AS SPECIFIED. REFER TO 05/A1.03.
13. (2) 30'-0" FLAGPOLES (13/A1.03) AS SPECIFIED. REFER TO DTL 11/A1.03
14. HD GALV LOOP 11- BIKE RACK SET IN 18" DEEP CONCRETE FOOTINGS ON 10'-0" X 20'-0" CONCRETE PAD.
15. 6'-0" HIGH PAINTED CEDAR FENCING AS SPECIFIED.
16. 6'-0" TALL CEDAR FENCING WITH DOUBLE SWINGING GATE REFER TO 09/A1.02
17. ALUMINUM EXIT SLIDING GATE AS SPECIFIED, WITH STEEL ANGLE GUIDE SET IN 12" WIDE CONCRETE APRON. REFER TO 20,21/A1.03
18. PEDESTAL MOUNTED KEYPAD CONTROL AND CALL SWITCH AS SPECIFIED.
19. MOTORIZED SLIDING GATE OPERATORS AS SPECIFIED.
20. POLE MOUNTED TRAFFIC SIGN - "STOP SIGN" REFER TO 12/A1.03.
21. CAN WASH AREA WITH METAL CANOPY 01/A1.04. PROVIDE CONC. CATCH BASIN GRATE COVER SET ONTO R-6670-D SERIES SQ. NEENAH FOUNDRY CO.. REFER TO MEP FOR PLUMBING REQUIREMENTS
22. PRACTICE SOCCER FIELD WITH GOALS AS SPECIFIED.
23. EXTERIOR DRINKING FOUNTAIN AS SPECIFIED. REFER TO MECHANICAL.
24. PLAYGROUND AREA BY OWNER
25. FUTURE PAR COURSE BY OWNER
26. 50'X24' ASPHALT MULTI SPORT AREA
27. METAL TRENCH COVERS REFER TO DTL. 03/A1.03 FOR RECOMMENDED LOCATIONS REFER TO CIVIL DWGS (1'-0" WIDE)
28. BUILDING MARQUEE SIGN REF. 22,23/A1.03
29. WALKING TRAIL TO BE BUILT IN PHASE I
30. 5' WIDE CONC WALK AND RAMPS REF. 24/A1.03
31. DRAIN COVER EQUAL TO NEENAHR-6660-GP
32. BOTTLE FILLING STATION TRI-LEVEL PEDESTAL MODEL # LK4430BF1M
33. (6) 6' BENCHES MODEL #B6PERFSM BY T.F. HARPER & ASSOCIATES LP PROVIDED BY OWNER INSTALLED BY CONTRACTOR
34. (2) 32 GAL. TRASH RECEPT. MODEL #T832PERF BY T.F. HARPER & ASSOCIATES LP GROUND MOUNTED PROVIDED BY OWNER INSTALLED BY CONTRACTOR

No.	REVISIONS	BY
2	ADDENDA #2	RB

GMS ARCHITECTS
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fax (956) 546-0196

IDEA-BROWNSVILLE ROBINDALE CAMPUS PHASE I

IDEA Public Schools

BROWNSVILLE, TEXAS

REGISTERED ARCHITECT
DAVID A. MONREAL
19556
STATE OF TEXAS
5/11/2018

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: May 11, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: JA, RB
Job No. IDEA Robindale Phase I
Sheet: A1.02

LEGEND

FINISH LEGEND:

CONC.	SEALED CONCRETE
C.T.	CERAMIC TILE
GB/PTD	GYPSUM BOARD PAINTED
PTD.	PAINTED
RUBBER	RUBBER BASE
V.C.T.	VINYL COMPOSITE TILE
R.T.	RADIAL TILE
Q.T.	QUARRY TILE
WD.	WOOD
EXP/PTD	EXPOSED PAINTED
SUS\GYP	SUSPENDED 1/2" MOISTURE RESISTANT GYP BOARD - PAINTED
S.A.C.	SUSPENDED ACOUSTICAL CEILING REFERENCE SPECIFICATIONS FOR TYPES

WALL HATCH LEGE ND:

1 HR — INDICATES THAT THIS WALL SHALL BE FIRE RATED AND SHALL BE EXTENDED TO UNDERSIDE OF ROOF DECK.

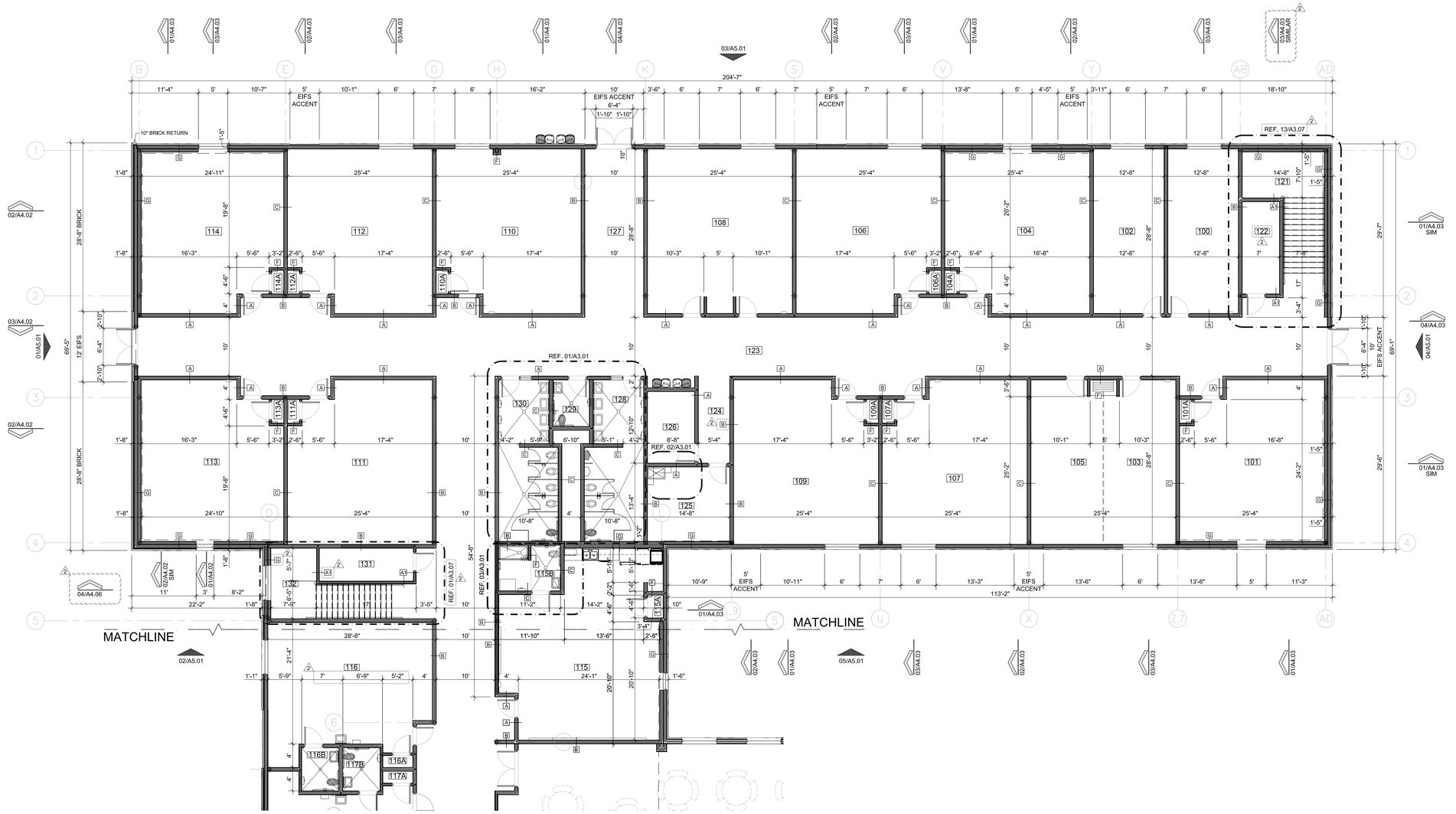
INDICATES METAL STUD W/ GYP/BRD WALL AS REQUIRED REFERENCE INTERIOR PARTITION SECTIONS

ROOM FINISH SCHEDULE

NOTE: **ALL GYPSUM** BOARD TO BE **PAINTED** WHETHER NOTED OR NOT

THIS SCHEDULE BASED ON PLAN NORTH ORIENTATION

ROOM	ROOM NAME	BASE	FLR.	WALLS N	WALLS S	WALLS E	WALLS W	CLG.	CLG. HEIGHTS	REMARKS
100	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
101	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
101A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
102	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
103	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
104	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
104A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
105	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
106	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
106A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
107	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
107A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
108	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
109	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
109A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
110	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
110A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
111	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
111A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
112	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
112A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
113	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
113A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
114	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
114A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
115	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
115A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
115B	TOILET	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
116	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
116A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
121	STAIRWELL	RUBBER	R.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD			CLG @ 2ND LVL | R.T. TREADS
122	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD			
123	CORRIDOR	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	DUROPLEX
124	CORRIDOR	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	9'-8"	DUROPLEX
125	CUSTODIAN	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	4'-0" C.T. WAINSCOT @ MOP SINK
126	IDF	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC IV	9'-4"	
127	CORRIDOR	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	DUROPLEX
128	BOYS TOILETS	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
129	TOILET	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
130	GIRLS TOILETS	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
131	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD			
132	STAIRWELL	RUBBER	R.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD			CLG @ 2ND LVL | R.T. TREADS



1ST FLOOR

01 FLOOR PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

1. REFERENCE SERIES A4.07 FOR TYPICAL INTERIOR WALL SECTIONS NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION —X
2. PROVIDE DRYWALL CONTROL JOINTS AT ALL STRUCTURAL STEEL COLUMN CONDITIONS AND WALL OPENINGS, WHETHER NOTED OR NOT
3. PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS
4. REFERENCE FIXTURE PLANS SHEET FOR FIXTURE, ACCESSORY REQUIREMENTS AND FLOOR TILE PATTERN LAYOUT
5. TYPICAL CORRIDOR WALLS TO BE EXTENDED TO UNDERSIDE OF DECK
6. REFERENCE SHEET A3.01 FOR TOILET ENLARGEMENTS
7. 2 PROVIDE HORIZONTAL MINI BLINDS AT ALL EXTERIOR WINDOWS TYPICAL (EXCEPT AT CORRIDOR AND STAIRWELL)
8. ALL EXPOSED DRYWALL CORNERS TO RECEIVE PLASTIC CORNER GUARDS, AS SPECIFIED.
9. ALL EXPOSED COLUMNS ARE TO BE FURRED WITH METAL STUDS AND DRYWALL. REFER TO 17/A3.02 FOR DETAILS.
10. PROVIDE DOUBLE 6" METAL STUD PARTITION AT ALL STRUCTURAL BRACING LOCATIONS. REFER TO 15/A3.02 FOR DETAILS AND STRUCTURAL FOR LOCATIONS.
11. REFERENCE A3.02 FOR TYPICAL PLAN DETAILS
12. PROVIDE MTL. STUD BLOCKING FOR ALL WALL MOUNTED BOARDS & ACCESSORIES.
13. PROVIDE WOOD BLOCKING AT ALL CABINETS, PROJECTOR & RAILING LOCATIONS.
14. PROVIDE SCHULTER KERDI SHOWER PANS AT ALL LOCATIONS RECEIVING CERAMIC AND QUARRY TILE FLOORING.

No.	REVISIONS	BY
2	ADDENDUM #2	JA

GMS ARCHITECTS

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Brownsville TX 78526
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IDEA-BROWNSVILLE ROBINDALE CAMPUS PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS

REGISTERED ARCHITECT DAVID A. MONREAL 79555 STATE OF TEXAS

5/11/2018

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: May 11, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: JA, RB
Job No. IDEA Robindale Phase I
Sheet: A2.01

MATCHLINE

MATCHLINE

NOTE: **ALL GYPSUM** BOARD TO BE **PAINTED** WHETHER NOTED OR NOT	ROOM FINISH SCHEDULE							THIS SCHEDULE BASED ON PLAN NORTH ORIENTATION	
			WALLS						
ROOM	ROOM NAME	BASE	FLR.	N	S	E	W	CLG.	CLG. HEIGHTS	REMARKS
115	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-6"	
115A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
115B	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
116	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
116A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
116B	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
117	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
117A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
117B	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
118	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
118A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
118B	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
133	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	10'-4"	DUROPLEX
134	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-8"	DUROPLEX
135	RECEPTION	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-8"	
136	CLINIC	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
136A	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
137	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	10'-4"	DUROPLEX ALT.
138	ELECTRICAL / CUSTODIAN	RUBBER	CONC.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD		4" C.T. WAINSCOT @ MOP SINK
139	COPY / BREAKROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
140	BOYS TOILETS	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
140A	BOYS DRESSING	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
141	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-4"	
142	GYM STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD		
143	GIRLS TOILETS	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
143A	GIRLS DRESSING	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
144	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	10'-4"	DUROPLEX
145	GYMNASIUM	RUBBER	WD.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD		
146	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	PTD		
147	STAIRWELL	RUBBER	RT	GB/PTD	GB/PTD	GB/PTD	GB/PTD			CLG @ 2ND LVL R.T. TREADS
148	ELEVATOR	RUBBER	R.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD			
149	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
150	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
151	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-8"	
152	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
153	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
154	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
155	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
156	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
157	MDF	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC IV	9'-4"	
158	FIRE RISER		CONC.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD		
159	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
160	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
161	PREP. CONFERENCE RM.	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-8"	
162	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
163	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
164	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
165	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
166	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
167	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
168	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
169	PRIMARY CONFERENCE RM.	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-8"	
170	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
171	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	9'-4"	
172	LOBBY	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SPACE COORD.	VARIES	PAINT STRUCTURE BLACK
173	CAFETERIA	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD	VARIES	
173A	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
173B	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
173C	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
173D	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
173E	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
174	KITCHEN	Q.T.	Q.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC V	10'-4"	
175	OFFICE	Q.T.	Q.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC V	9'-4"	
176	CUSTODIAN	Q.T.	Q.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-8"	4" C.T. WAINSCOT @ MOP SINK
177	DRY STORAGE	Q.T.	Q.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC V	9'-8"	
178	COOLER									RECESS FLOOR
179	FREEZER									RECESS FLOOR
180	CORRIDOR	Q.T.	Q.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC V	9'-8"	DUROPLEX
181	OFFICE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-4"	

LEGEND

FINISH LEGEND:

CONC.	SEALED CONCRETE
C.T.	CERAMIC TILE
GB/PTD	GYPSUM BOARD PAINTED
PTD.	PAINTED
RUBBER	RUBBER BASE
V.C.T.	VINYL COMPOSITE TILE
R.T.	RADIAL TILE
Q.T.	QUARRY TILE
WD.	WOOD
EXP/PTD	EXPOSED PAINTED
SUS\GYP	SUSPENDED 1/2" MOISTURE RESISTANT GYP BOARD - PAINTED
S.A.C.	SUSPENDED ACOUSTICAL CEILING REFERENCE SPECIFICATIONS FOR TYPES

WALL HATCH LEGEND:

1 HR — INDICATES THAT THIS WALL SHALL BE FIRE RATED AND SHALL BE EXTENDED TO UNDERSIDE OF ROOF DECK.

INDICATES METAL STUD W/ GYP/BRD WALL AS REQUIRED REFERENCE INTERIOR PARTITION SECTIONS

1ST FLOOR

01 FLOOR PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

1. REFERENCE SERIES A4.07 FOR TYPICAL INTERIOR WALL SECTIONS NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION — (A)
2. PROVIDE DRYWALL CONTROL JOINTS AT ALL STRUCTURAL STEEL COLUMN CONDITIONS AND WALL OPENINGS, WHETHER NOTED OR NOT
3. PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS
4. REFERENCE FIXTURE PLANS SHEET FOR FIXTURE, ACCESSORY REQUIREMENTS AND FLOOR TILE PATTERN LAYOUT
5. TYPICAL CORRIDOR WALLS TO BE EXTENDED TO UNDERSIDE OF DECK
6. REFERENCE SHEET A3.01 FOR TOILET ENLARGEMENTS
2. 7. PROVIDE HORIZONTAL MINI BLINDS AT ALL EXTERIOR WINDOWS TYPICAL (EXCEPT AT CORRIDOR AND STAIRWELL)
8. ALL EXPOSED DRYWALL CORNERS TO RECEIVE PLASTIC CORNER GUARDS, AS SPECIFIED.
9. ALL EXPOSED COLUMNS ARE TO BE FURRED WITH METAL STUDS AND DRYWALL. REFER TO 17/A3.02 FOR DETAILS.
10. PROVIDE DOUBLE 6" METAL STUD PARTITION AT ALL STRUCTURAL BRACING LOCATIONS. REFER TO 15/A3.02 FOR DETAILS AND STRUCTURAL FOR LOCATIONS.
11. REFERENCE A3.02 FOR TYPICAL PLAN DETAILS
12. PROVIDE MTL. STUD BLOCKING FOR ALL WALL MOUNTED BOARDS & ACCESSORIES.
13. PROVIDE WOOD BLOCKING AT ALL CABINETS, PROJECTOR & RAILING LOCATIONS.
14. PROVIDE SCHULTER KERDI SHOWER PANS AT ALL LOCATIONS RECEIVING CERAMIC AND QUARRY TILE FLOORING.

FUTURE PHASE II

No.	REVISIONS	BY
2	ADDENDUM #2	JA

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IDEA-BROWNSVILLE CAMPUS PHASE I

IDEA Public Schools

BROWNSVILLE, TEXAS



5/11/2018

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: May 11, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: JA, RB
Job No.: IDEA Robindale Phase I
Sheet: A2.02

NOTE:
ALL GYPSUM BOARD TO BE **PAINTED** WHETHER NOTED OR NOT

ROOM FINISH SCHEDULE

THIS SCHEDULE BASED ON PLAN NORTH ORIENTATION

ROOM	ROOM NAME	BASE	FLR.	WALLS N	WALLS S	WALLS E	WALLS W	CLG.	CLG. HEIGHTS	REMARKS
300	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
301	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
301A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
302	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
303	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
303A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
304	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
305	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
305A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
306	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
306A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
307	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
307A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
308	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
308A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
309	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
309A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
310	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
310A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
311	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
311A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
312	CLASSROOM	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-8"	
312A	STORAGE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC I	9'-0"	
313	CORRIDOR	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	DUROPLEX
314	CORRIDOR	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	DUROPLEX
316	IDF	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC IV	9'-4"	
317	ELECTRICAL / CUSTODIAN	RUBBER	CONC.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	EXP/PTD		4'-0" C.T. WAINSCOT @ MOP SINK
318	BOYS TOILETS	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
319	TOILET	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
320	GIRLS TOILETS	C.T.	C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SUS/GYP	9'-0"	6'-0" C.T. WAINSCOT
321	OFFICE	RUBBER	V.C.T.	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	9'-4"	
121	STAIRWELL	RUBBER	RT	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	RADIAL TILE TREADS
132	STAIRWELL	RUBBER	RT	GB\PTD	GB\PTD	GB\PTD	GB\PTD	SAC II	10'-4"	RADIAL TILE TREADS



LEGEND

FINISH LEGEND:

CONC.	SEALED CONCRETE
C.T.	CERAMIC TILE
GB/PTD	GYPSUM BOARD PAINTED
PTD.	PAINTED
RUBBER	RUBBER BASE
V.C.T.	VINYL COMPOSITE TILE
R.T.	RADIAL TILE
Q.T.	QUARRY TILE
WD.	WOOD
EXP/PTD	EXPOSED PAINTED
SUS\GYP	SUSPENDED 1/2" MOISTURE RESISTANT GYP BOARD - PAINTED
S.A.C.	SUSPENDED ACOUSTICAL CEILING REFERENCE SPECIFICATIONS FOR TYPES

WALL HATCH LEGEND:

1 HR — INDICATES THAT THIS WALL SHALL BE FIRE RATED AND SHALL BE EXTENDED TO UNDERSIDE OF ROOF DECK.

INDICATES METAL STUD W/ GYP/BRD WALL AS REQUIRED REFERENCE INTERIOR PARTITION SECTIONS

01 2ND FLOOR FLOOR PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

1. REFERENCE SERIES A4.07 FOR TYPICAL INTERIOR WALL SECTIONS NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION —X
2. PROVIDE DRYWALL CONTROL JOINTS AT ALL STRUCTURAL STEEL COLUMN CONDITIONS AND WALL OPENINGS, WHETHER NOTED OR NOT
3. PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS
4. REFERENCE FIXTURE PLANS SHEET FOR FIXTURE, ACCESSORY REQUIREMENTS AND FLOOR TILE PATTERN LAYOUT
5. TYPICAL CORRIDOR WALLS TO BE EXTENDED TO UNDERSIDE OF DECK
6. REFERENCE SHEET A3.01 FOR TOILET ENLARGEMENTS
7. (2) PROVIDE HORIZONTAL MINI BLINDS AT ALL EXTERIOR WINDOWS TYPICAL (EXCEPT AT CORRIDOR AND STAIRWELL)
8. ALL EXPOSED DRYWALL CORNERS TO RECEIVE PLASTIC CORNER GUARDS, AS SPECIFIED.
9. ALL EXPOSED COLUMNS ARE TO BE FURRED WITH METAL STUDS AND DRYWALL. REFER TO 17/A3.02 FOR DETAILS.
10. PROVIDE DOUBLE 6" METAL STUD PARTITION AT ALL STRUCTURAL BRACING LOCATIONS. REFER TO 15/A3.02 FOR DETAILS AND STRUCTURAL FOR LOCATIONS.
11. REFERENCE A3.02 FOR TYPICAL PLAN DETAILS
12. PROVIDE MTL. STUD BLOCKING FOR ALL WALL MOUNTED BOARDS & ACCESSORIES.
13. PROVIDE WOOD BLOCKING AT ALL CABINETS, PROJECTOR & RAILING LOCATIONS.
14. PROVIDE SCHULTER KERDI SHOWER PANS AT ALL LOCATIONS RECEIVING CERAMIC AND QUARRY TILE FLOORING.

No.	REVISIONS	BY
2	ADDENDUM #2	JA

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IDEA-BROWNSVILLE CAMPUS
PHASE I
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5/11/2018

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Architects-Planners
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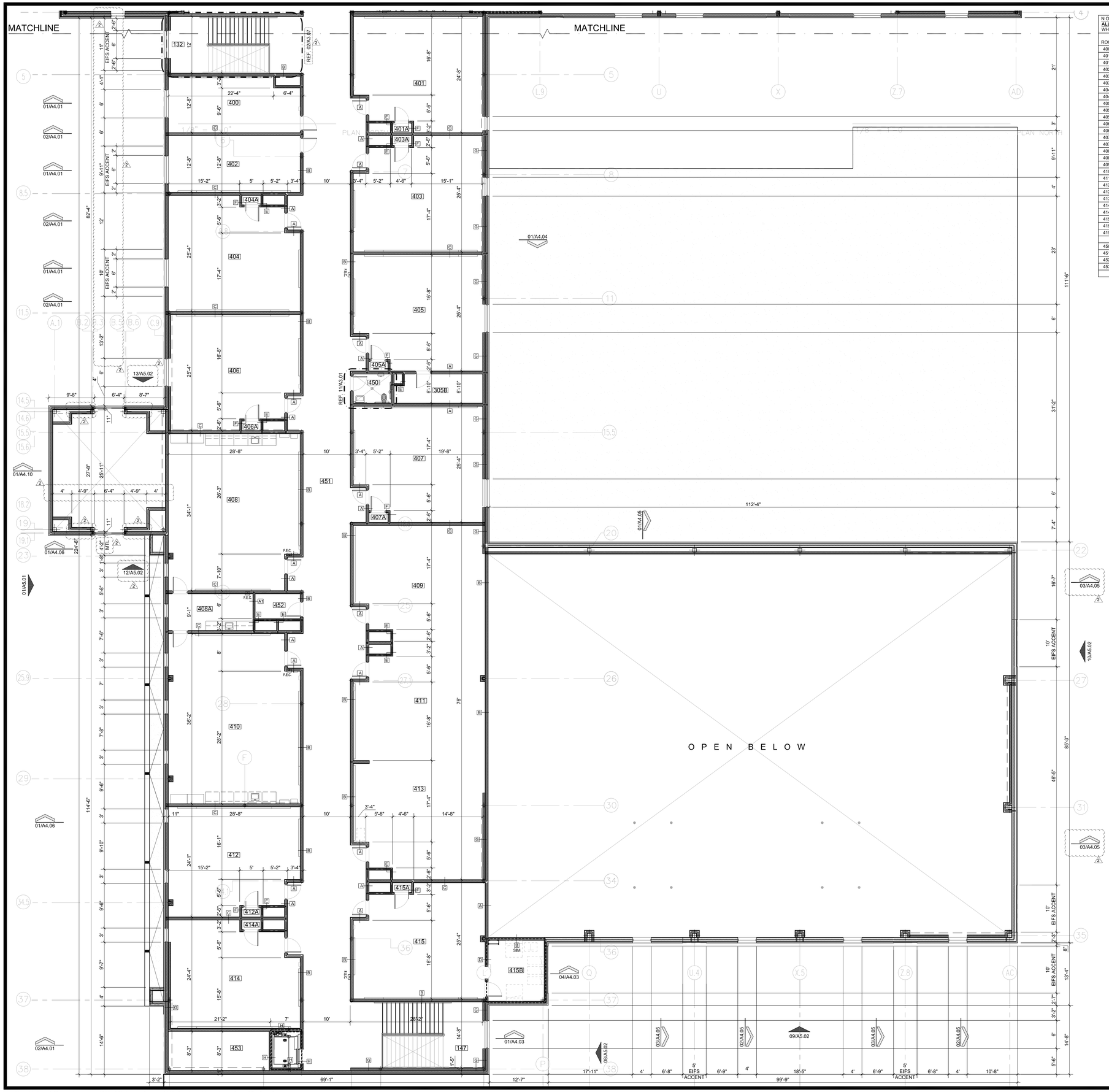
Date: May 11, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: JA, RB
Job No.: IDEA Robindale Phase I
Sheet: A2.03



No.	REVISIONS	BY
2	ADDENDUM #2	JA

NOTE:
ALL GYPSUM BOARD TO BE PAINTED WHETHER NOTED OR NOT

ROOM FINISH SCHEDULE

THIS SCHEDULE BASED ON PLAN NORTH ORIENTATION

ROOM	ROOM NAME	BASE	FLR.	WALLS N	WALLS S	WALLS E	WALLS W	CLG.	CLG. HEIGHTS	REMARKS
400	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
401	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
401A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
402	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
403	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
403A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
404	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
404A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
405	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
405A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
405B	PREP	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
406	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
406A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
407	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
407A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
408	GENERAL SCIENCE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
408A	PREP	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
409	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
410	GENERAL SCIENCE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
411	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
412	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
412A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
413	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
414	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
414A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
415	CLASSROOM	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-8"	
415A	STORAGE	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC I	9'-0"	
415B	ELECTRICAL	RUBBER	CONC.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	EXP/PTD		
450	TOILET	C.T.	C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC III	9'-0"	6'-0" C.T. WAINSCOT
451	CORRIDOR	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC II	10'-4"	DUROPLEX
452	IDF	RUBBER	V.C.T.	GB/PTD	GB/PTD	GB/PTD	GB/PTD	SAC IV	9'-4"	
453	FUTURE WORK ROOM		CONC.		GB	GB	GB			PHASE II

LEGEND

FINISH LEGEND:

CONC.	SEALED CONCRETE
C.T.	CERAMIC TILE
GB/PTD	GYPSUM BOARD PAINTED
PTD.	PAINTED
RUBBER	RUBBER BASE
V.C.T.	VINYL COMPOSITE TILE
R.T.	RADIAL TILE
Q.T.	QUARRY TILE
WD.	WOOD
EXP/PTD	EXPOSED PAINTED
SUS/GYP	SUSPENDED 1/2" MOISTURE RESISTANT GYP BOARD - PAINTED
S.A.C.	SUSPENDED ACOUSTICAL CEILING REFERENCE SPECIFICATIONS FOR TYPES

WALL HATCH LEGEND:

1 HR — INDICATES THAT THIS WALL SHALL BE FIRE RATED AND SHALL BE EXTENDED TO UNDERSIDE OF ROOF DECK.

INDICATES METAL STUD W/ GYP/BRD WALL AS REQUIRED REFERENCE INTERIOR PARTITION SECTIONS

2ND FLOOR

01 FLOOR PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

1. REFERENCE SERIES A4.07 FOR TYPICAL INTERIOR WALL SECTIONS NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION — X
2. PROVIDE DRYWALL CONTROL JOINTS AT ALL STRUCTURAL STEEL COLUMN CONDITIONS AND WALL OPENINGS, WHETHER NOTED OR NOT
3. PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS
4. REFERENCE FIXTURE PLANS SHEET FOR FIXTURE, ACCESSORY REQUIREMENTS AND FLOOR TILE PATTERN LAYOUT
5. TYPICAL CORRIDOR WALLS TO BE EXTENDED TO UNDERSIDE OF DECK
6. REFERENCE SHEET A3.01 FOR TOILET ENLARGEMENTS
2 7. PROVIDE HORIZONTAL MINI BLINDS AT ALL EXTERIOR WINDOWS TYPICAL (EXCEPT AT CORRIDOR AND STAIRWELL)
8. ALL EXPOSED DRYWALL CORNERS TO RECEIVE PLASTIC CORNER GUARDS, AS SPECIFIED.
9. ALL EXPOSED COLUMNS ARE TO BE FURRED WITH METAL STUDS AND DRYWALL, REFER TO 17/A3.02 FOR DETAILS.
10. PROVIDE DOUBLE 6" METAL STUD PARTITION AT ALL STRUCTURAL BRACING LOCATIONS. REFER TO 15/A3.02 FOR DETAILS AND STRUCTURAL FOR LOCATIONS.
11. REFERENCE A3.02 FOR TYPICAL PLAN DETAILS
12. PROVIDE MTL. STUD BLOCKING FOR ALL WALL MOUNTED BOARDS & ACCESSORIES.
13. PROVIDE WOOD BLOCKING AT ALL CABINETS, PROJECTOR & RAILING LOCATIONS.
14. PROVIDE SCHULTER KERDI SHOWER PANS AT ALL LOCATIONS RECEIVING CERAMIC AND QUARRY TILE FLOORING.

GMS ARCHITECTS
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IDEA-BROWNSVILLE CAMPUS

IDEA PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS



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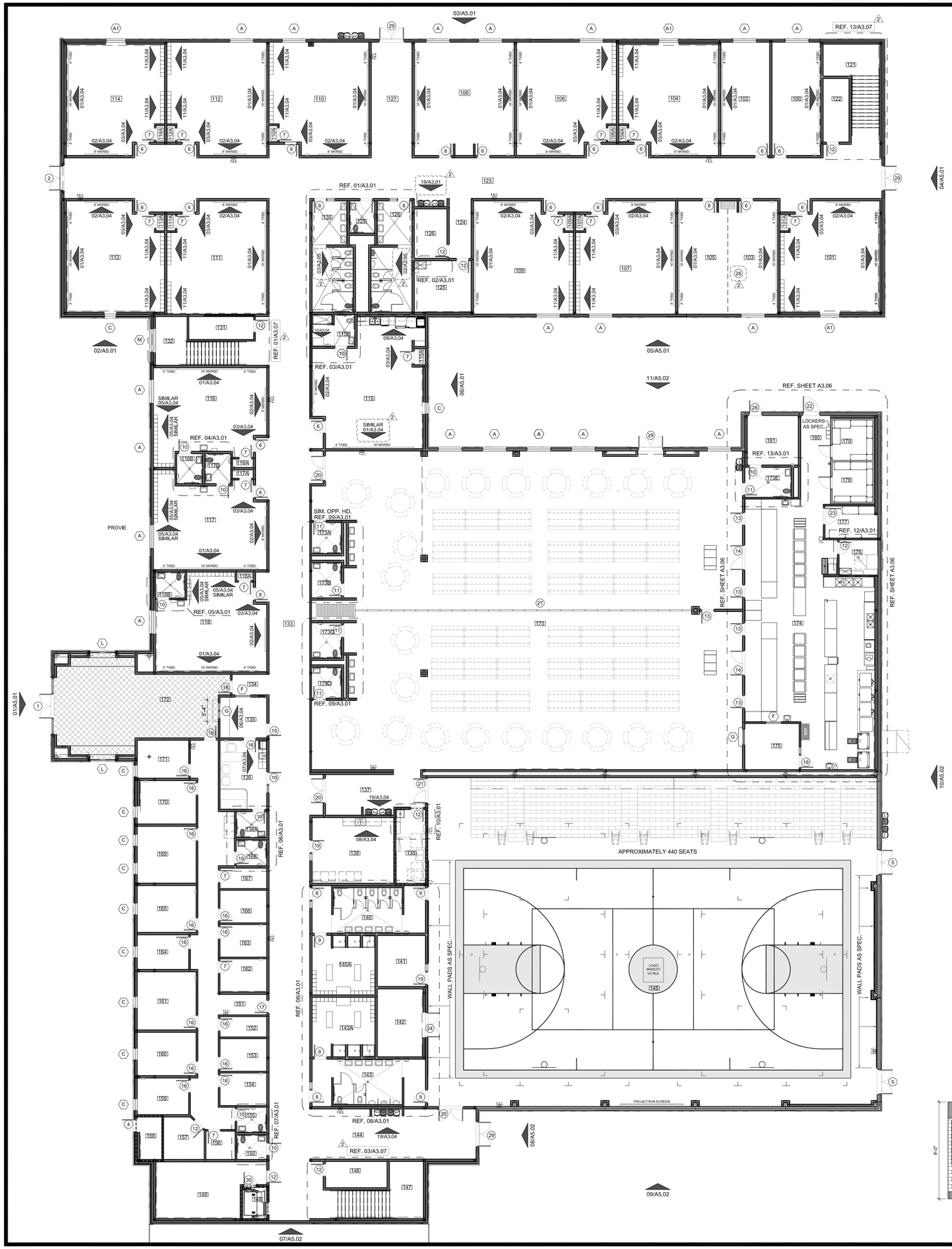
Architects-Planners
Interior Designers

Date: May 11, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: JA, RB
Job No. IDEA Robindale Phase I
Sheet: A2.04



1ST FLOOR

01 FIXTURE PLAN

PLAN NORTH

SCALE: 3/32" = 1'-0"

NOTE:
PROVIDE FOR THE FOLLOWING
- 2- PRACTICE VOLLEYBALL COURTS
- 2- PRACTICE BASKETBALL COURTS
- COURT BORDER COLOR FILL
- FREE THROW AREA COLOR FILL
- CENTER CIRCLE COLOR FILL
- CUSTOM LOGO GRAPHICS

GENERAL NOTES:

1.) PROVIDE FOR TWO (2) FIRE EXTINGUISHERS AND CABINETS IN ADDITION TO THOSE SHOWN ON THIS PLAN - TO BE LOCATED AS PER ARCHITECT'S OFFICE.

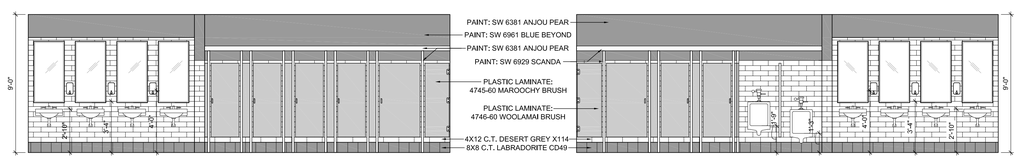
2.) GENERAL CONTRACTOR TO CONTACT ARCHITECTS OFFICE IF ANY FLOOR TILE DESIGN IS UNCLEAR REGARDING SIZE, COLOR, OR LOCATION

3.) PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS

4.) REFERENCE ROOM FINISH SCHEDULE ON SHEET A2.01 FOR ROOM FINISH INFORMATION

5.) PROVIDE FOR UP TO THREE VCT COLORS IN CORRIDORS AND WAITING.

6.) ALLOW FOR ONE ACCENT WALL IN EACH CLASSROOM, LAB, AND OFFICES



03 GIRLS TOILET ELEVATION
SCALE: 1/4" = 1'-0"

02 BOYS TOILET ELEVATION
SCALE: 1/4" = 1'-0"

No.	REVISIONS	BY
2	ADDENDUM #2	JA

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IDEA-BROWNSVILLE ROBINDALE CAMPUS
PHASE I
IDEA Public Schools
BROWNSVILLE, TEXAS

DAVID A. MONREAL 78556 REGISTERED ARCHITECT STATE OF TEXAS
5/11/2018

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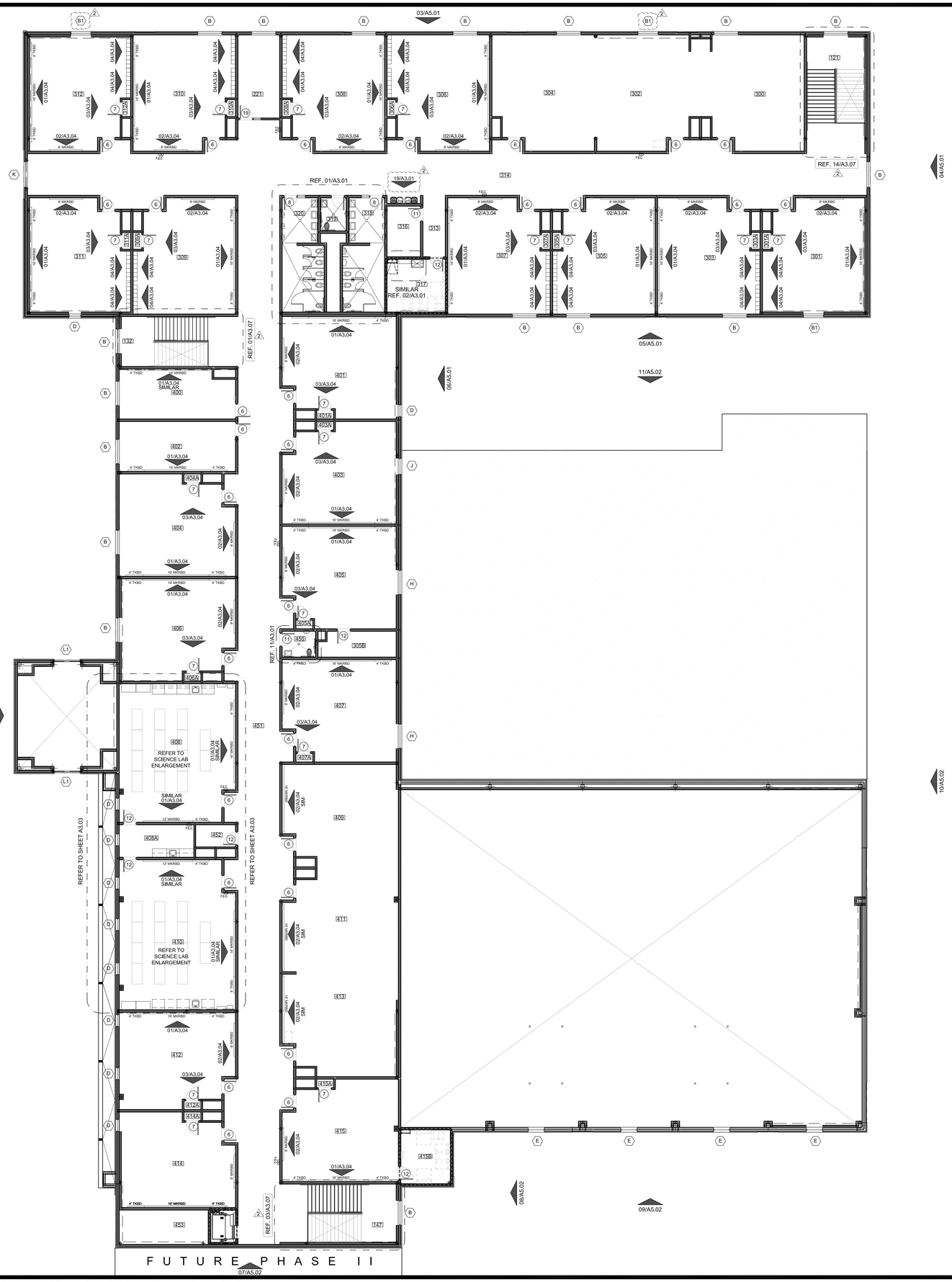
Date:	May 11, 2018
Scale:	As Noted
Project Architect:	David Monreal, AIA
Drawn By:	JA, RB
Job No.	IDEA Robindale Phase I
Sheet:	A2.05



2ND FLOOR

01 FIXTURE PLAN

PLAN NORTH

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1.) PROVIDE FOR TWO (2) FIRE EXTINGUISHERS AND CABINETS IN ADDITION TO THOSE SHOWN ON THIS PLAN - TO BE LOCATED AS PER ARCHITECT'S OFFICE.

2.) GENERAL CONTRACTOR TO CONTACT ARCHITECTS OFFICE IF ANY FLOOR TILE DESIGN IS UNCLEAR REGARDING SIZE, COLOR, OR LOCATION

3.) PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS

4.) REFERENCE ROOM FINISH SCHEDULE ON SHEET A2.01 FOR ROOM FINISH INFORMATION

5.) PROVIDE FOR UP TO THREE VCT COLORS IN CORRIDORS AND WAITING.

6.) ALLOW FOR ONE ACCENT WALL IN EACH CLASSROOM, LAB, AND OFFICES

7.) PROVIDE HORIZONTAL BLINDS AT EACH WINDOW "E" IN ROOM 150. PROVIDE REMOVABLE WANDS AT EACH LOCATION.

No.	REVISIONS	BY
2	ADDENDUM #2	JA

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IDEA-BROWNSVILLE CAMPUS
PHASE I
IDEA Public Schools BROWNSVILLE, TEXAS

DAVID A. MONREAL 79556 REGISTERED ARCHITECT STATE OF TEXAS
5/11/2018

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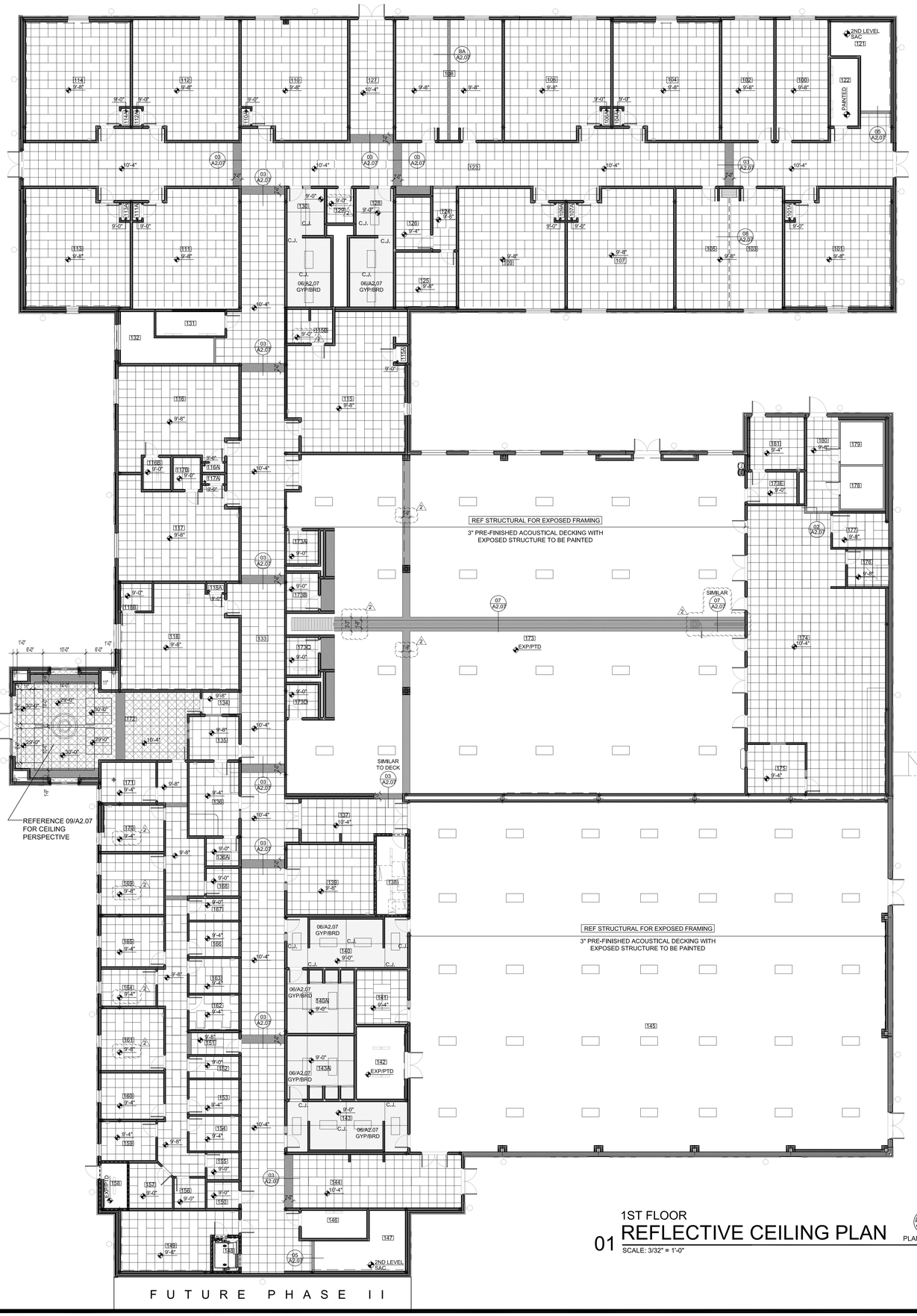
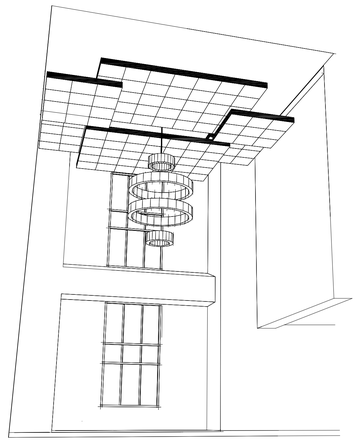
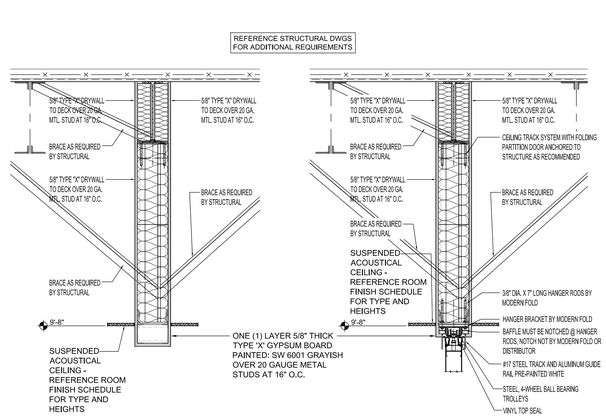
Date:	May 11, 2018
Scale:	As Noted
Project Architect:	David Monreal, AIA
Drawn By:	JA, RB
Job No.	IDEA Robindale Phase I
Sheet:	A2.06



1ST FLOOR
01 REFLECTIVE CEILING PLAN
SCALE: 3/32" = 1'-0"

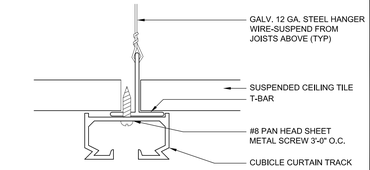


09 CEILING PERSPECTIVE
SCALE 1" = 1'-0"

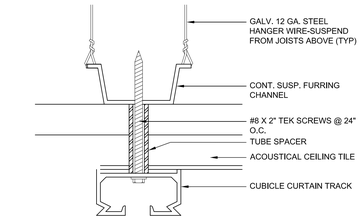


8A SECTION DETAIL
SCALE 1" = 1'-0"

08 SECTION DETAIL
SCALE 1" = 1'-0"



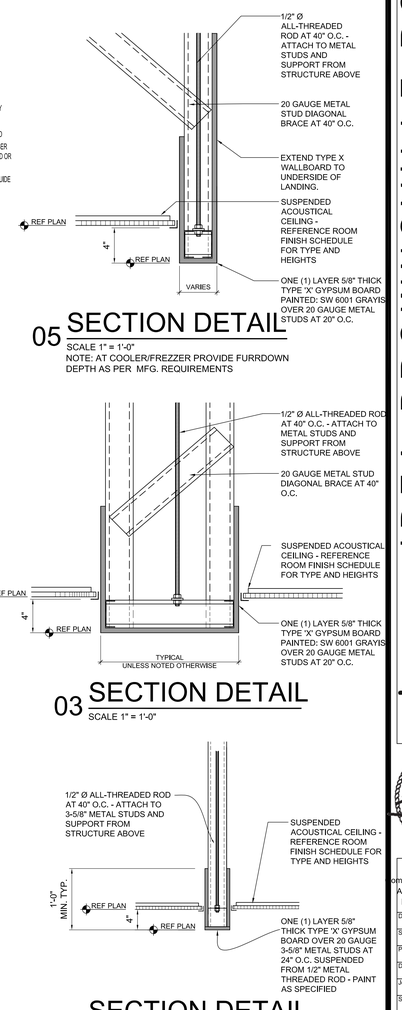
SUSPENDED ACOUSTICAL TILE CEILING



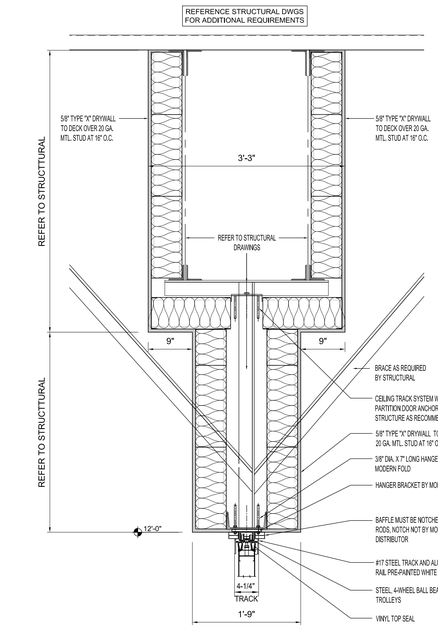
SUSPENDED TILE CEILING WITH HAT CHANNEL

H. CURTAIN TRACK
SCALE: 3"= 1'-0"

06 GYP BRD CTRL JNT



05 SECTION DETAIL
SCALE 1" = 1'-0"
NOTE: AT COOLER/FREZZER PROVIDE FURRDOWN DEPTH AS PER MFG. REQUIREMENTS



07 SECTION DETAIL
SCALE 1" = 1'-0"

03 SECTION DETAIL
SCALE 1" = 1'-0"

02 SECTION DETAIL
SCALE 1" = 1'-0"

No.	REVISIONS	BY
2	ADDENDUM #2	JA

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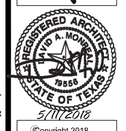
IDEA-BROWNSVILLE CAMPUS

IDEA PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS



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Project Architect: David Monreal, AIA
Drawn By: JA, RB
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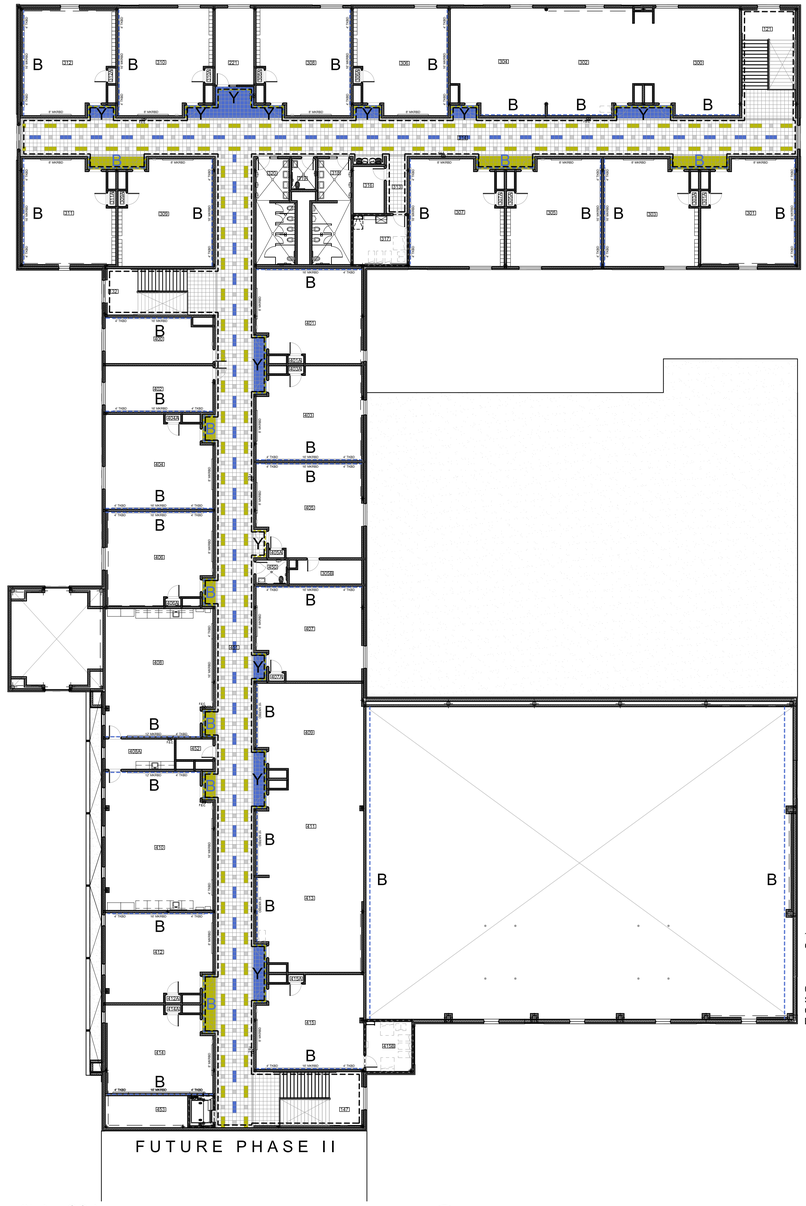
Sheet: A2.07



2ND FLOOR

02 DUROPLEX COATING PLAN

SCALE: 3/32" = 1'-0"

PLAN NORTH

– – – – – DENOTES 4'-0" PAINTED WAINSCOT WITH DUROPLEX COATING SYSTEM AS SPECIFIED

GENERAL NOTES:

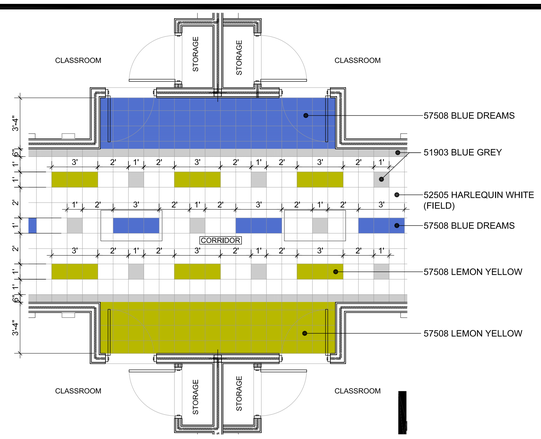
1.) GENERAL CONTRACTOR TO CONTACT ARCHITECTS OFFICE IF ANY FLOOR TILE DESIGN IS UNCLEAR REGARDING SIZE, COLOR, OR LOCATION

2.) PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS

3.) REFERENCE ROOM FINISH SCHEDULE ON SHEET A2.02 FOR ROOM FINISH INFORMATION

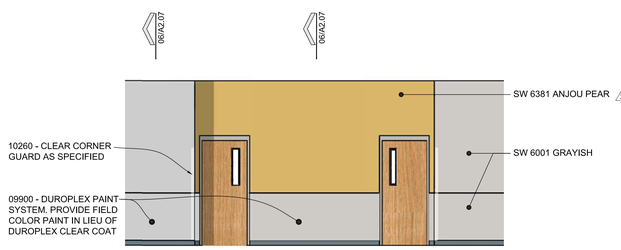
4.) PROVIDE FOR UP TO FOUR VCT COLORS IN CORRIDORS REFER TO 02/A2.07
5.) ALLOW FOR ONE ACCENT WALL IN EACH CLASSROOM, LAB, AND OFFICES NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION

Y = DENOTES YELLOW ACCENT WALL SW 6381 ANJOU PEAR REFER TO 04/A2.12
B = DENOTES BLUE ACCENT WALL SW 6961 BLUE BEYOND REFER TO 05/A2.12



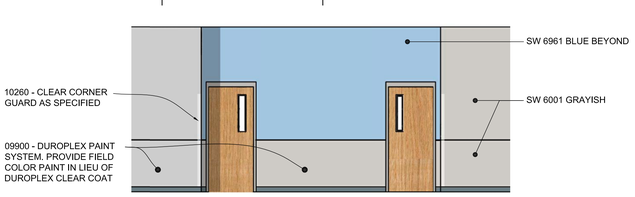
03 TYPICAL VCT PATTERN

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



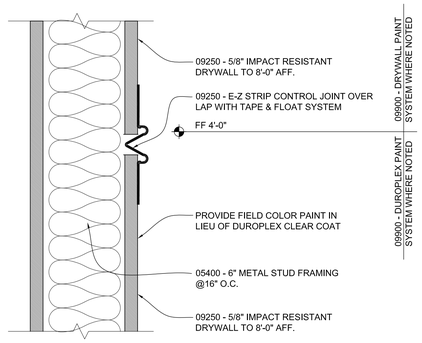
04 TYPICAL WALL ELEVATION

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



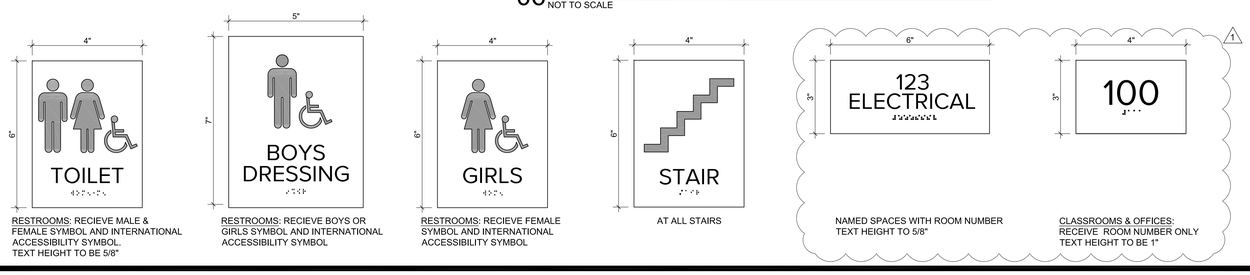
05 TYPICAL WALL ELEVATION

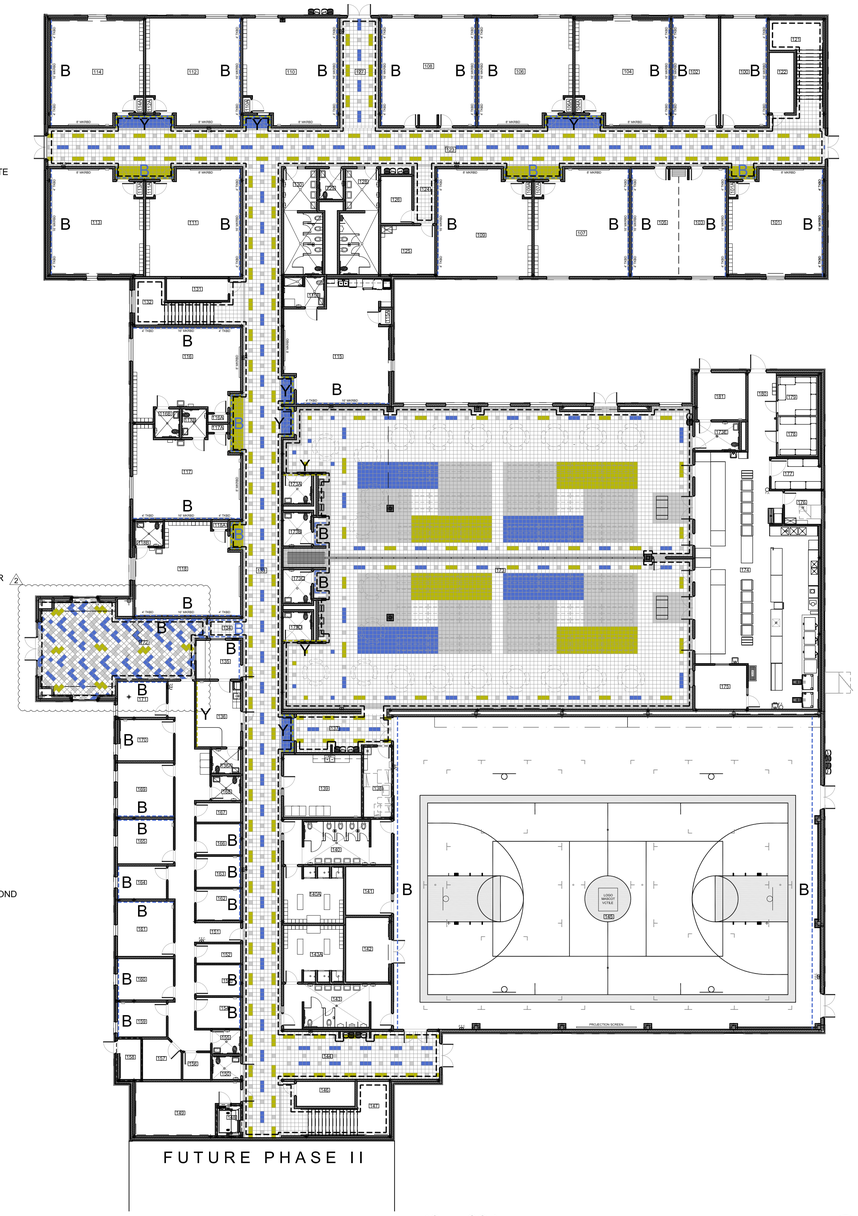
SCALE: 1/4" = 1'-0"



06 DUROPLEX TERMINATION DETAIL

NOT TO SCALE





1ST FLOOR

01 DUROPLEX COATING PLAN

SCALE: 3/32" = 1'-0"

PLAN NORTH

– – – – – DENOTES 4'-0" PAINTED WAINSCOT WITH DUROPLEX COATING SYSTEM AS SPECIFIED

GENERAL NOTES:

1.) GENERAL CONTRACTOR TO CONTACT ARCHITECTS OFFICE IF ANY FLOOR TILE DESIGN IS UNCLEAR REGARDING SIZE, COLOR, OR LOCATION

2.) PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS

3.) REFERENCE ROOM FINISH SCHEDULE ON SHEET A2.01 FOR ROOM FINISH INFORMATION

4.) PROVIDE FOR UP TO FOUR VCT COLORS IN CORRIDORS REFER TO 02/A2.07
5.) ALLOW FOR ONE ACCENT WALL IN EACH CLASSROOM, LAB, AND OFFICES NOTED ON THIS PLAN BY THE FOLLOWING DESIGNATION

Y = DENOTES YELLOW ACCENT WALL SW 6381 ANJOU PEAR REFER TO 04/A2.12
B = DENOTES BLUE ACCENT WALL SW 6961 BLUE BEYOND REFER TO 05/A2.12

No.	REVISIONS	BY
1	ADDENDA#1	RB
2	ADDENDUM #2	JA

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IDEA-BROWNSVILLE ROBINDALE CAMPUS PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS

REGISTERED ARCHITECT DAVID A. MONREAL 19556 STATE OF TEXAS
5/11/2018

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Architects-Planners
Interior Designers

Date:	May 11, 2018
Scale:	As Noted
Project Architect:	David Monreal, AIA
Drawn By:	JA, RB
Job No.	IDEA Robindale Phase I
Sheet:	A2.12

VCT PATTERN AND ACCENT WALLS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

T.B.M.
SET "□" CUT ON BOX INLET
ELEV. = 16.11 (N.G.V.D. 1929)

℄ RUBEN M. TORRES, SR., BOULEVARD
(F.M. 802)(150 FT. R.O.W.)

MERIDIAN OF
EL JARDIN
SUBDIVISION

NORTH

S85°00'E 30.00'

S45°54'30"E 70.60'

S85°00'E 341.98

RESIDUE OF
4.52 ACRE TRACT

ENRIQUE CHAPA
OUT OF BLOCK 127,
EL JARDIN SUBDIVISION
(VOLUME 4217, PAGE 275,
OFFICIAL RECORDS)

S85°00'E 676.89'

N10°12'00"E 1140.12'

15' UTILITY EASEMENT

3.00 ACRE TRACT

S04°28'W 72.07'

S04°28' W

POINT OF BEGINNING
3.00 ACRE TRACT
AND 4.52 ACRE TRACT
SET 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

POINT OF BEGINNING
16.564 ACRE TRACT
FOUND 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

BLOCK 126
BLOCK 125
BLOCK 127
BLOCK 128

30' WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOLUME 895, PAGE 446, DEED RECORDS)
(SEE NOTE NO. 4)

SET 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

NO FENCES OR OTHER IMPROVEMENTS SHALL
BE CONSTRUCTED WITHIN THIS EASEMENT

S85° 00' 00"E 566.36'

BLOCK 127 (EL JARDIN SUB.)
BLOCK 124 (EL JARDIN SUB.)

DIRT BERM

EASEMENT IN FAVOR OF THE
CITY OF BROWNSVILLE FOR STORMWATER
DETENTION AND DRAINAGE

100.00'

753.73'

S85°00'E 423.20'

S85°00'E 718.46'

DRAIN DITCH

HIGH BANK OF DITCH

24" STEEL PIPE
(CROSSING DITCH)

36" CONCRETE PIPE
FLOW LINE = 7.37

36" CONCRETE PIPE
FLOW LINE = 7.43

18" CONCRETE PIPE
FLOW LINE = 11.50

18" CONCRETE PIPE
FLOW LINE = 11.50

4.52 ACRE TRACT

CONCRETE CULVERT

24" CONCRETE PIPE
FLOW LINE = 7.19

18" CORRUGATED PIPE
FLOW LINE = 10.27

CONCRETE WALL

24" CONCRETE PIPE
FLOW LINE = 6.39

60" CONCRETE PIPE
FLOW LINE = 7.64

24" CONCRETE PIPE
FLOW LINE = 10.04

18" CONCRETE PIPE
FLOW LINE = 10.04

12" CONCRETE PIPE
FLOW LINE = 8.55

12" PVC PIPE
FLOW LINE = 12.71

12" PVC PIPE
FLOW LINE = 13.06

SET PUNCH MARK
ON CONCRETE

SWALE

GRATE INLET

BACK OF CURB

POWER POLE

POWER LINE

BILLBOARD SIGN

TELEBOARD SIGN

CONCRETE GUTTER

GRATE INLET

TOP OF GRATE=15.41

TOP OF GRATE=15.06

TOP OF GRATE=14.82

TOP OF GRATE=14.33

MANHOLE
TOP OF RIM = 17.33
24" RCP
TOP OF PIPE = 12.46

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL BOX

FOUND 1/2"
IRON PIN
R.O.W. POST

POWER POLE
WITH GUY
ANCHORS

FOUND 1/2"
(IRON PIN)
R.O.W. POST

WATER VALVE
WATER METER

SET STEEL SPINDLE

POWER POLE

UNABLE TO SET IRON PIN
POWER POLE ON CORNER

STOP SIGN

18" CONCRETE PIPE
FLOW LINE = 15.58

18" CONCRETE PIPE
FLOW LINE = 15.06

STREET SIGN

AT&T ROUTE SIGN

FIRE HYDRANT

WATER VALVE

℄ ROBINDALE ROAD
(60 FT. R.O.W.)

N 04°49' E

EDGE OF ASPHALT ROAD

℄ ROAD DITCH

RIGHT-OF-WAY LINE

30' ADDITIONAL RIGHT-OF-WAY

30' WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOL. 895, PG. 446, D.R.C.C.TX.)

30' FT. WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOLUME 895, PAGE 446, DEED RECORDS)
(SEE NOTE NO. 4)

20' UTILITY EASEMENT

16.564 ACRE TRACT

BLOCK 124

T.B.M.
SET RAILROAD SPIKE IN POWER POLE
ELEV. = 19.49 (N.G.V.D. 1929)

N85°00' W 1224.73'

℄ TED HUNT BOULEVARD
(100 FT. R.O.W.)

MANHOLE
TOP OF RIM = 18.03
30" RCP
TOP OF PIPE = 9.47

CONCRETE DRIVE

WATER METER
FIRE DEPARTMENT
CONNECTION
WATER VALVE
TELEPHONE
PEDESTAL

BACK OF CURB
24" CORR. PIPE
TOP OF PIPE = 13.71
FLOW LINE = 15.49

ROLLING GATE

CHAIN LINK FENCE

BOARD FENCE

WOOD POST
(TYPICAL)

18" CONCRETE PIPE
TOP OF PIPE = 17.54
FLOW LINE = 15.57

18" CONCRETE PIPE
FLOW LINE = 16.05

CONCRETE DRIVE

POWER POLE WITH GUY ANCHOR

WATER METER

18" CONCRETE PIPE
FLOW LINE = 15.97

CLEAN OUTS

12" CONCRETE PIPE
FLOW LINE = 15.21

18" CONCRETE PIPE
FLOW LINE = 15.64

12" CONCRETE PIPE
FLOW LINE = 14.91

18" CONCRETE PIPE
FLOW LINE = 14.38

PLANTER

MANHOLE
TOP OF RIM = 17.41
24" RCP
TOP OF PIPE = 12.91

18" CONCRETE PIPE
FLOW LINE = 14.63

ROOFLINE

SWALE

GRATE INLET

FIRE HYDRANT

WATER VALVE

WATER METER

FIRE DEPARTMENT CONNECTION

WATER VALVE

FIRE HYDRANT

LOT 1 & 2, BLOCK 1
GULF PACIFIC COMMERCE SERVICES, L.P. II SUBDIVISION
(CABINET I, SLOT 3019 B, MAP RECORDS, CAMERON COUNTY, TEXAS)

NOTES:

1) THIS TRACT LIES IN FLOOD ZONE "AH" (ELEV. 18) PER THE F.I.A. FLOOD INSURANCE RATE MAP OF COMMUNITY NO. 480101, PANEL NO. 0350 B, REVISED SEPTEMBER 15, 1983.

2) MONUMENTATION FOUND ALONG THE CENTERLINE OF ROBINDALE ROAD WAS USED AS THE BASIS OF BEARING.

3) RIGHT-OF-WAY FOR DRAIN DITCHES, CANALS AND LATERALS, ROADWAYS, PIPELINES AND UTILITIES AS RESERVED IN DEED DATED APRIL 24, 1926, FILED APRIL 24, 1926, EXECUTED BY SAN BENITO LAND AND WATER COMPANY TO MARGARET C. EVANS, RECORDED IN VOLUME 145, PAGE 623, OF THE DEED RECORDS OF CAMERON COUNTY, TEXAS.

4) EASEMENTS GRANTED CAMERON COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER FIVE (5), RECORDED IN VOLUME 895, PAGE 446, DEED RECORDS, CAMERON COUNTY, TEXAS.

5) EASEMENT DATED SEPTEMBER 13, 1977, RECORDED IN VOLUME 1095, PAGE 254, DEED RECORDS, CAMERON COUNTY, TEXAS. (COMMISSIONERS COURT OF CAMERON COUNTY CLOSED AND ABANDONED 40 FOOT ROAD EASEMENT BY THIS INSTRUMENT)

6) THIS PLAT OF SURVEY IS ACCOMPANIED BY A NARRATIVE METES AND BOUNDS DESCRIPTION OF THE 3.00 ACRE TRACT IN BLOCK 127, EL JARDIN SUBDIVISION.

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BOUNDARY AND TOPOGRAPHIC SURVEY OF

A 16.564 ACRE TRACT OF LAND, MORE OR LESS, OUT OF THE NORTH PORTION OF BLOCK ONE HUNDRED AND TWENTY FOUR (124), EL JARDIN SUBDIVISION, AS PER MAP OR PLAT THEROF RECORDED IN VOLUME 4, PAGE 39, MAP RECORDS OF CAMERON COUNTY, TEXAS.

AND

A 3.00 ACRE TRACT, MORE OR LESS, OUT OF THE SOUTH 4.52 ACRES, MORE OR LESS, OUT OF BLOCK ONE HUNDRED AND TWENTY SEVEN (127), EL JARDIN SUBDIVISION OF SHARES 19 AND 27, ESPIRITU SANTO GRANT, ACCORDING TO THE MAP OR PLAT THEROF RECORDED IN VOLUME 4, PAGE 39, MAP RECORDS OF CAMERON COUNTY, TEXAS.

SCALE: 1"= 50'

PREPARED FOR:

IDEA PUBLIC SCHOOLS

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IDEA Public Schools

STATE OF TEXAS
JAMES E. ROSE
44096
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Date: MAY, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: S.S
Job No. 20010
Sheet: C-1 OF C-7

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PROPOSED IMPROVEMENTS LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PROP. FIRE HYDRANT	— F — —	PROP. FIRE LINE
W	PROP. WATER METER WITH BACK FLOW PREVENTOR	— ST — —	PROP. STORM SEWER LINE
	PROP. WATER VALVE	CO	PROP. CLEAN-OUT
— S — —	PROP. SANITARY SEWER LINE		PROP. FITTING
— W — —	PROP. WATER LINE		PROP. SANITARY SEWER MANHOLE
— DW — —	PROP. DOMESTIC WATER LINE	W	PROP. WATER METER WITH BACK FLOW PREVENTOR
—GAS— —	PROP. GAS LINE		

NOTES:
1. ALL SANITARY SEWER LINES TO BE PVC SDR-35
2. ALL WATERLINES 4" AND LARGER SHALL BE PVC C900 DR-25 PIPE.
3. WATERLINE SMALLER THAN 4" SHALL BE PVC SCH 40 PIPE.
4. SEE MEP DRAWINGS FOR EXACT POINT OF CONNECTION FOR WATER (W) FIRE (F) AND SEWER (S) LINES AT BUILDINGS.
5. GATE VALVES SHALL BE INSTALLED ON ALL WATERLINES GOING INTO BUILDINGS.
6. 4" SANITARY SEWER LINES ARE TO BE INSTALLED AT 1% SLOPE OR GREATER WITH CLEAN OUTS AT SPACING REQUIRED BY CODE. NOT ALL REQUIRED CLEAN OUTS ARE SHOWN HEREON.
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ALL PERMIT, FEES, INSPECTION FEES, METER FEES IMPACT FEES, AND ALL OTHERS APPLICABLE FEES ASSOCIATED WITH WATER AND SEWER SERVICE SHALL BE PAID BY THE CONTRACTOR

T.B.M.
SET "□" CUT ON BOX INLET
ELEV. = 16.11 (N.G.V.D. 1929)

℄ RUBEN M. TORRES, SR., BOULEVARD
(F.M. 802)(150 FT. R.O.W.)

S85°00'E 676.89'

N85°00'W 1224.73'

S85°00'E 566.36'

S85°00'E 423.20'

S85°00'E 342.98'

N49°54'40"E 70.60'

S85°00'E 341.98'

S85°00'E 140.12'

S04°28'W 753.73'

N04°49'E 753.73'

S04°28'W 504.29'

S04°28'W 112.98'

S04°28'W 72.07'

N49°54'40"E 54.14'

RESIDUE OF
4.52 ACRE TRACT

ENRIQUE CHAPA
OUT OF BLOCK 127,
EL JARDIN SUBDIVISION
(VOLUME 4217, PAGE 275,
OFFICIAL RECORDS)

16.564 ACRE TRACT

BLOCK 124

BLOCK 125

BLOCK 126

BLOCK 127

BLOCK 128

BLOCK 123

BLOCK 129

BLOCK 127 (EL JARDIN SUB.)

BLOCK 124 (EL JARDIN SUB.)

℄ ROBINDALE ROAD
(60 FT. R.O.W.)

℄ TED HUNT BOULEVARD
(100 FT. R.O.W.)

15' UTILITY EASEMENT
(DEDICATED BY THIS PLAT)

20' UTILITY EASEMENT

30' ADDITIONAL RIGHT-OF-WAY

30' WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOL. 895, PG. 446, D.R.C.C.TX.)

30 FT. WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOLUME 895, PAGE 446, DEED RECORDS)
(SEE NOTE NO. 4)

EASEMENT IN FAVOR OF THE
CITY OF BROWNSVILLE FOR STORMWATER
DETENTION AND DRAINAGE

NO BOXES OR OTHER IMPROVEMENTS SHALL BE CONSTRUCTED WITHIN THIS EASEMENT

SET 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

POINT OF BEGINNING
3.00 ACRE TRACT
AND 4.52 ACRE TRACT
SET 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

POINT OF BEGINNING
16.564 ACRE TRACT
FOUND 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

PHASE I
9 PARKING SPACES

PHASE I
50 PARKING SPACES

PHASE I
59 PARKING SPACES

PHASE I
BUS PARKING
(16 BUSES)

FUTURE PHASE II
2 STORY BUILDING

PHASE I
2 STORY BUILDING
FF=21.00

PHASE I
ACADEMY MULTI
SPORT BLACK TOP
50'X24'

PHASE I
ACADEMY PLAY
AREA 50'X60'

FUTURE
PARCOURSE

FUTURE LEARNING SPACE
(FOOTPRINT)

FUTURE GARDEN
(FOOTPRINT)

PHASE II
PLAY SURFACE

FUTURE
PHASE II

PHASE I

BUS ENTRANCE

FUTURE LEARNING SPACE

LOT 1 & 2, BLOCK 1
GULF PACIFIC COMMERCE SERVICES, L.P. II SUBDIVISION
(CABINET I, SLOT 3019 B, MAP RECORDS, CAMERON COUNTY, TEXAS)

PRELIMINARY UTILITY PLAN 1"=40'

NORTH

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Project Architect: David Monreal, AIA
Drawn By: S.S
Job No. 20010
Sheet: C-2 OF C-7

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PROPOSED IMPROVEMENTS LEGEND

SYMBOL	DESCRIPTION		
	PROP. FIRE HYDRANT	— F —	PROP. FIRE LINE
W	PROP. WATER METER WITH BACK FLOW PREVENTOR	— ST —	PROP. STORM SEWER LINE
	PROP. WATER VALVE	CO	PROP. CLEAN-OUT
— S —	PROP. SANITARY SEWER LINE		PROP. FITTING
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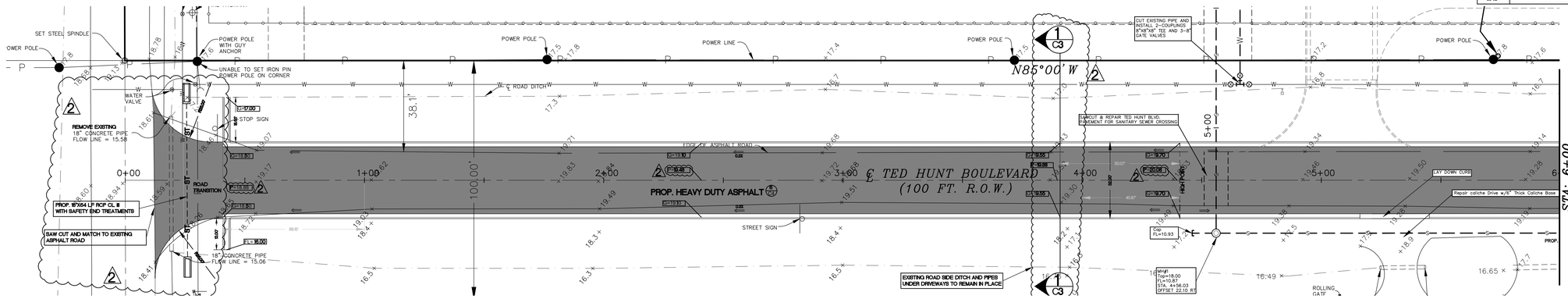
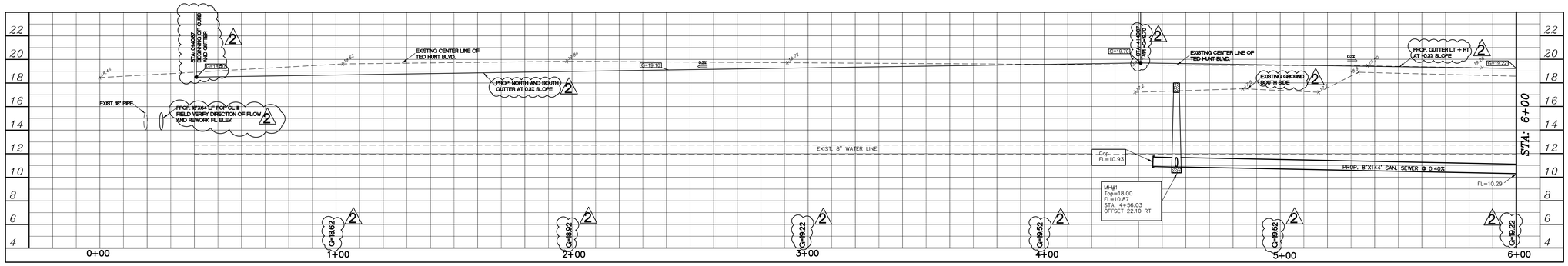
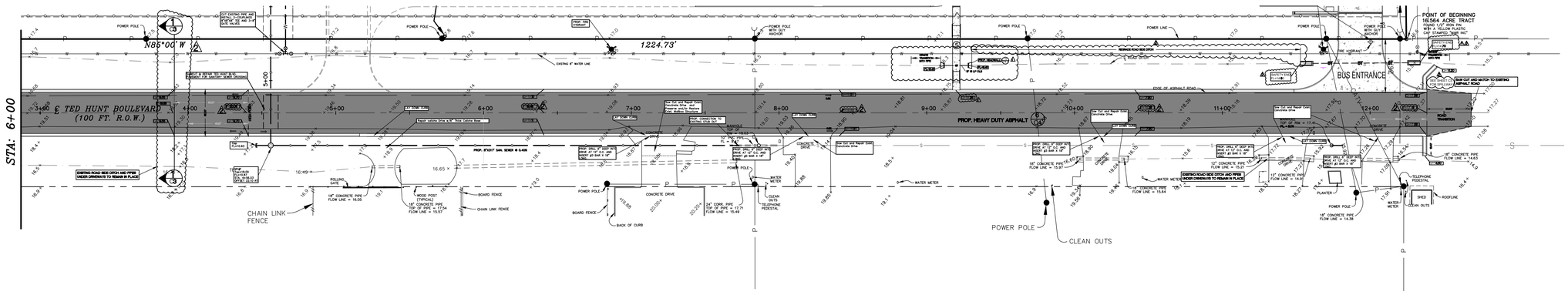
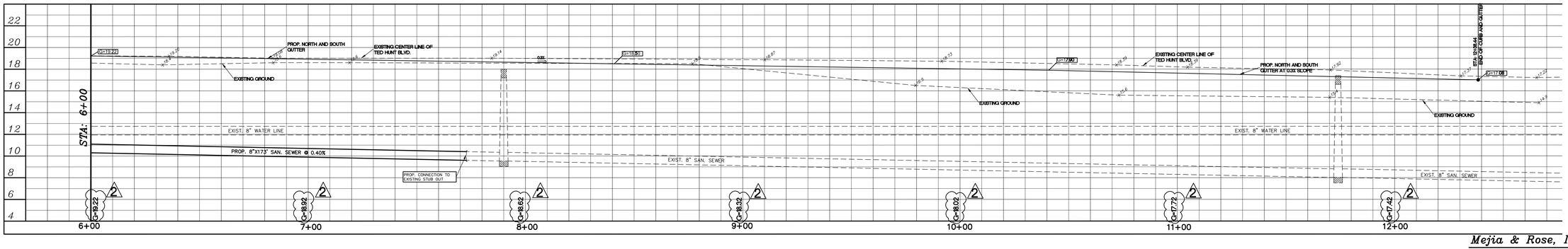
— DW —	PROP. DOMESTIC WATER LINE	W	PROP. WATER METER WITH BACK FLOW PREVENTOR
— GAS —	PROP. GAS LINE		









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STREET AND SEWER LINE EXTENSION PROFILE H 1"=40' V 1"=4'
PLAN AND PROFILE H 1"=20' V 1"=4'

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Sheet: **C-2.1** OF C-7

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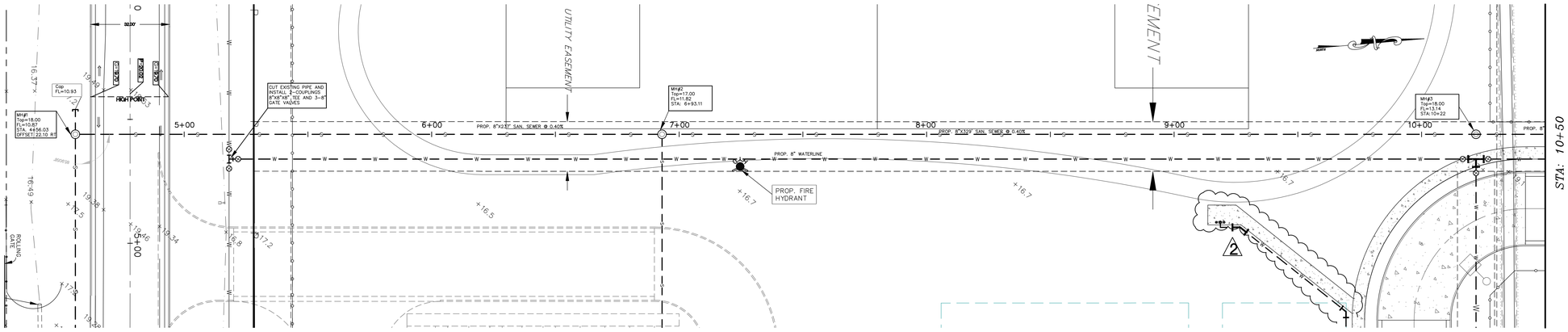

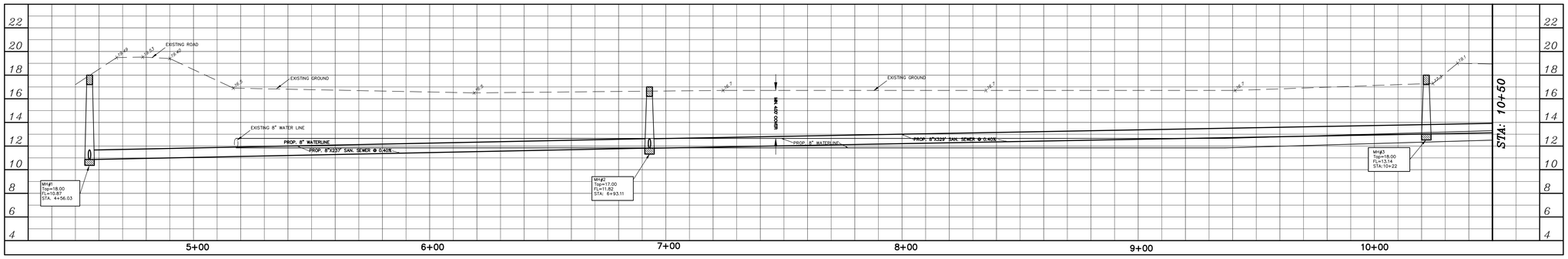

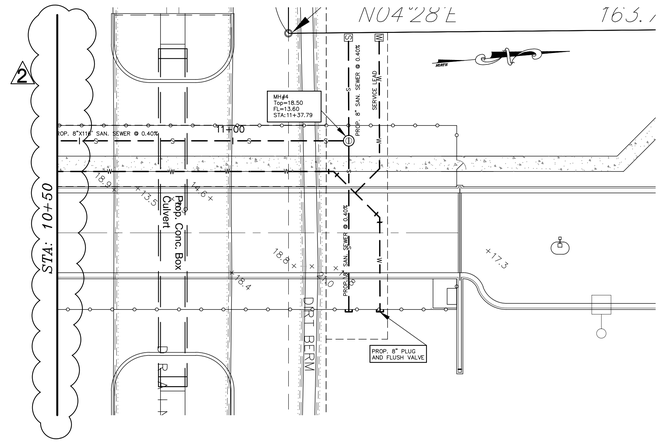

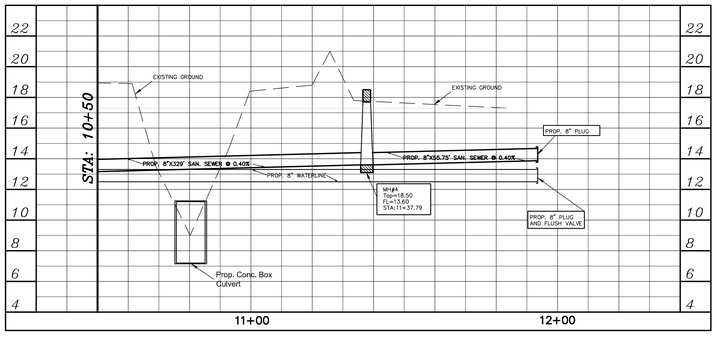

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SEWER LINE PROFILE H 1"=20' V 1"=4'

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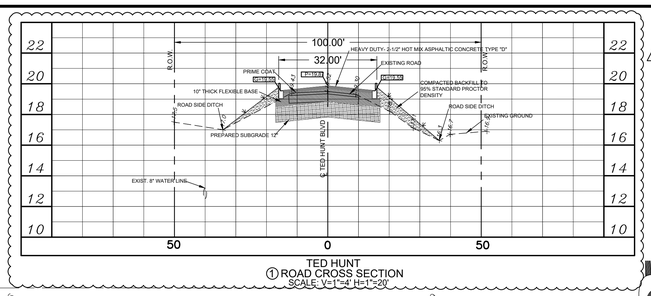
C-2.2
OF C-7

LEGEND	
	INDICATES PROPOSED GROUND SURFACE SPOT ELEVATION
	INDICATES PROPOSED DIRECTION OF GRADE
	INDICATES SIDEWALK TRENCH UNDER DRAIN
	INDICATES PROPOSED SWALE
17.5	INDICATES TYPICAL PROPOSED FINISHED GROUND SURFACE CONTOUR
TC=25.75	INDICATES PROPOSED TOP OF CURB ELEV.
TS=25.85	INDICATES PROPOSED TOP OF SIDEWALK ELEV.
PVE=25.75	INDICATES PROPOSED PAVEMENT ELEVATION
GVE=25.75	INDICATES PROPOSED GUTTER ELEVATION

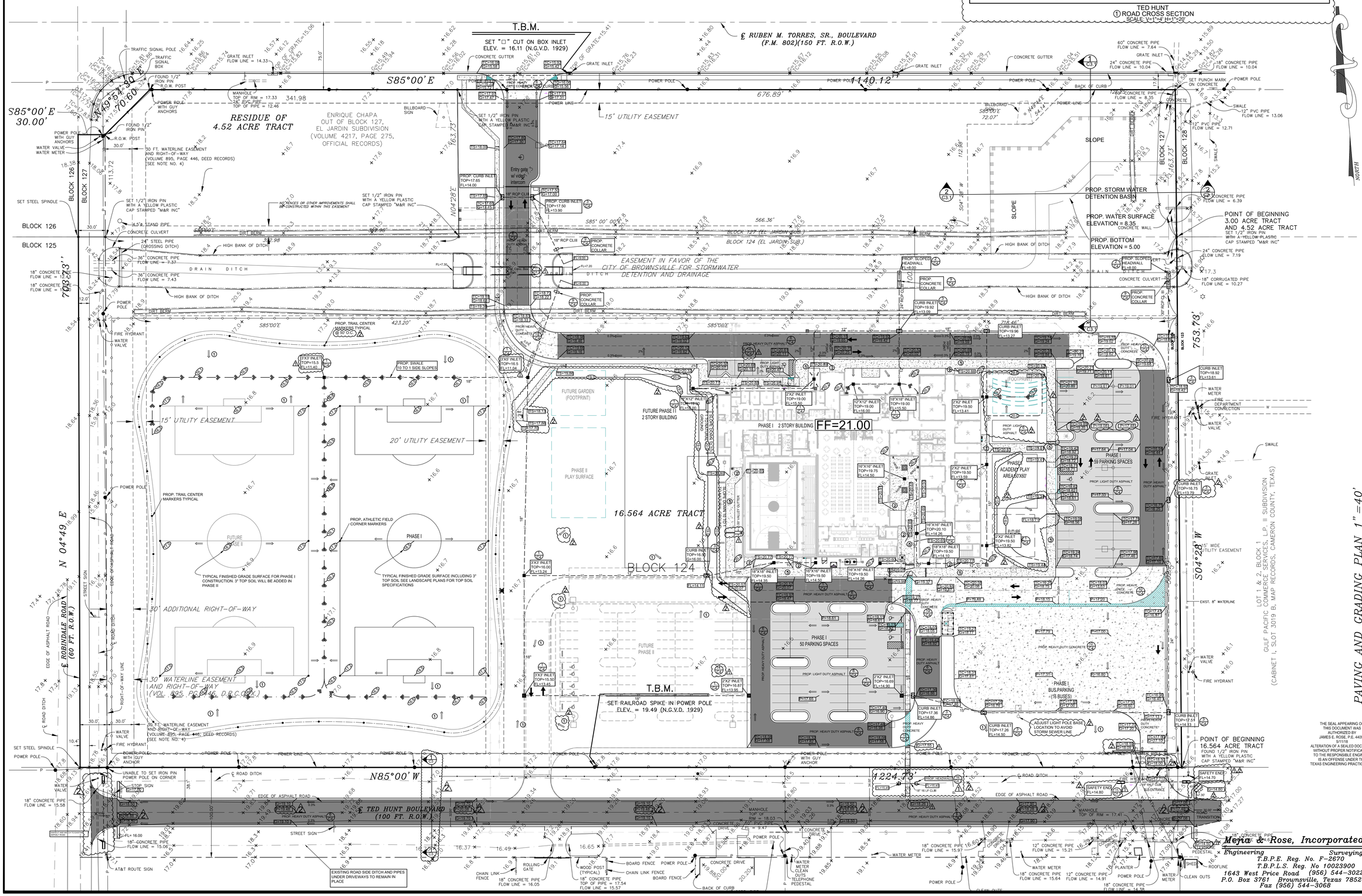
GRADING PLAN NOTES

1. GRADE ALL AREAS (SMOOTH AND FINELY GRADED AS NEEDED TO RECIEVE HYDROMULCHING OR SOD) TO DRAIN TO THE NEAREST DRAINAGE OUTLET OR SWALE
2. SIDEWALK TO MATCH FINISHED FLOOR OR DOORWAYS. SLOPE AWAY FROM BUILDING @ 2% SLOPE
3. ALL DEBRIS AND EXCESS EARTH MATERIAL GENERATED BY THE SITEWORK OPERATIONS WILL BECOME PROPERTY OF THE CONTRACTOR TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED AT HIS EXPENSE.
4. NO SIDEWALKS SHALL HAVE A CROSS SLOPE GREATER THAN 2% OR LONGITUDINAL SLOPE GREATER THAN 5%.
5. EXCEPT WHERE SPECIFICALLY SHOWN ON PLANS. STORM SEWER PIPE 12" TO 60" DIAMETER SHALL BE: REINFORCED CONCRETE PIPE (CLIII RUBBER GASKETED) OR ADS HP HIGH PERFORMANCE POLYPROPYLENE PIPE WITH WATER TIGHT FITTINGS. STORM SEWER PIPE 4" TO 10" DIAMETER SHALL BE: CORRUGATED POLYETHYLENE PIPE SMOOTH INTERIOR ADS N-12 HQ PIPE WITH WATER TIGHT FITTINGS OR APPROVED EQUAL MEETING AASHTO DESIGNATION M252-921 OR PVC SDR 35 PIPE. ALL STORM SEWER PIPE SHALL BE BEDDED IN SAND, SAME AS SANITARY SEWER AND WATER LINE PIPE.
6. BACKFILL ALL CURB & GUTTER, PAVEMENT EDGES AND SIDEWALKS TO 3" BELOW TOP OF CURB OR SIDEWALK AND SLOPE TO EXISTING GROUND AT 10 TO 1.
7. NO IRRIGATION SPRINKLER HEADS OR PIPING SHALL BE INSTALLED IN ANY AREA UNTILL FINAL GRADING IN THAT AREA HAS BEEN COMPLETED AND APPROVED BY SITEWORK ENGINEER.



TED HUNT
① ROAD CROSS SECTION
SCALE: V=1"=4' H=1"=20'

② 2



PAVING AND GRADING PLAN 1"=40'

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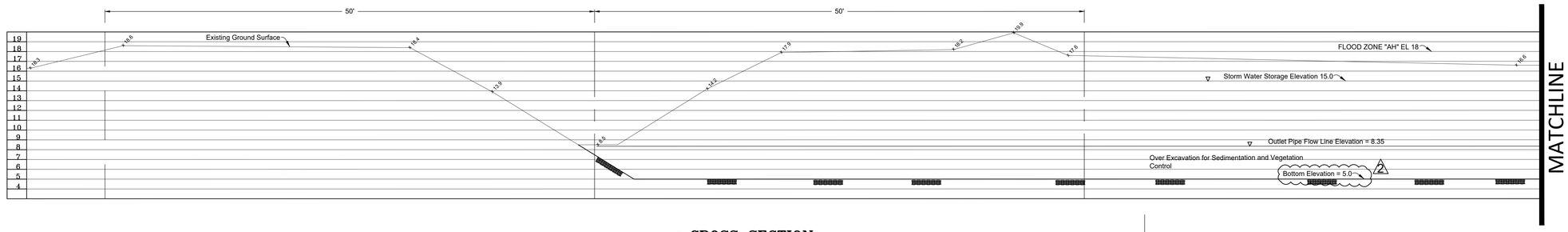
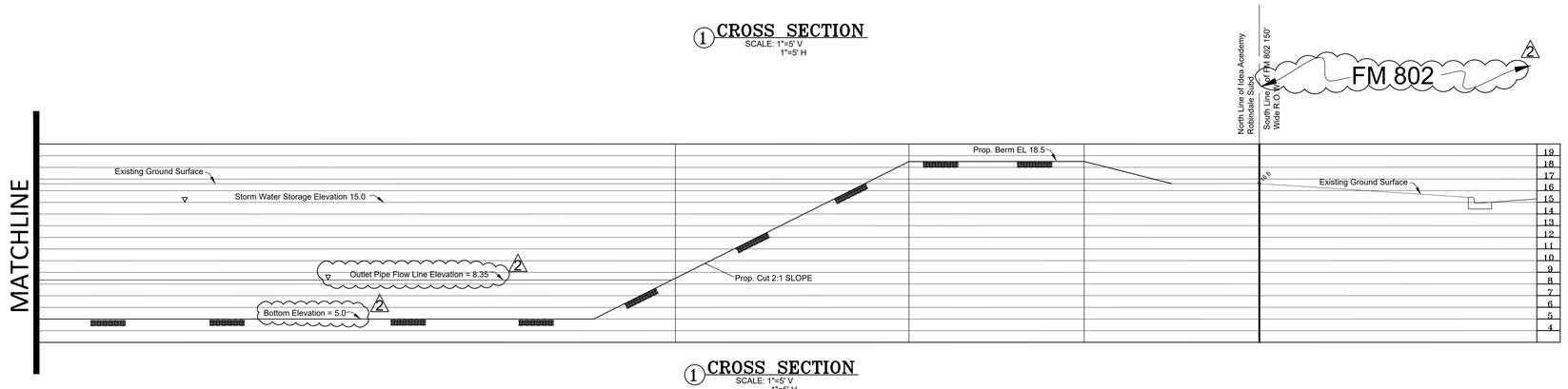


1 CROSS SECTION
SCALE: 1"=5' V
1"=5' H



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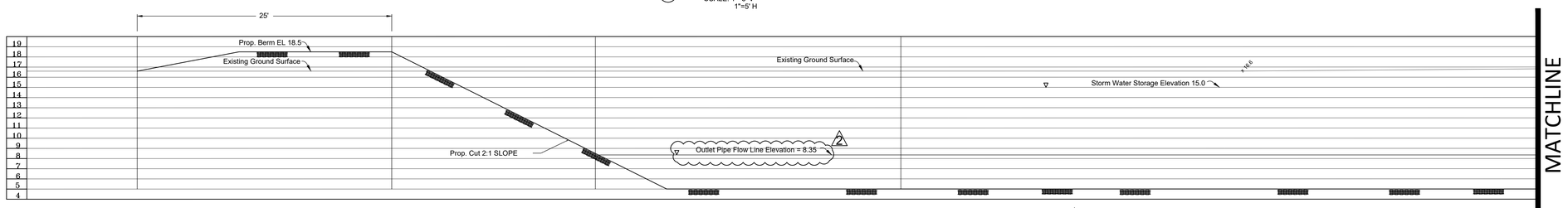
SCALE: 1"=5' V
1"=5' H



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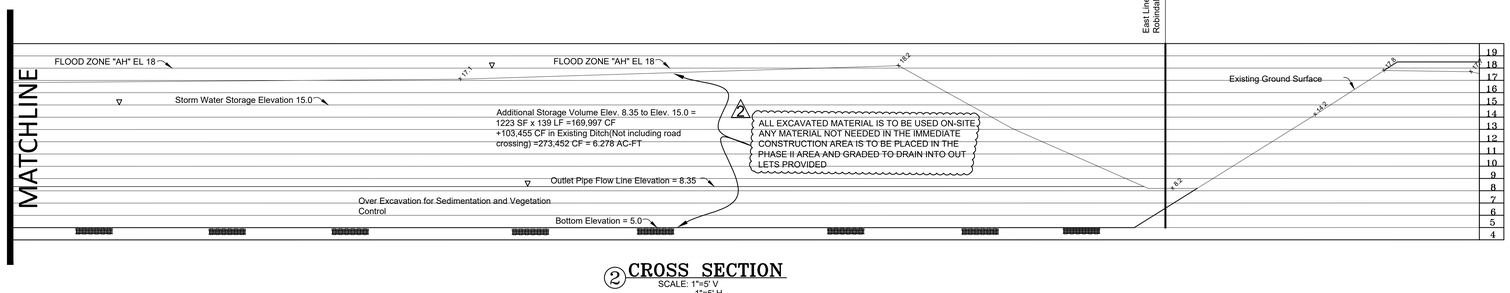
SCALE: 1"=5' V
1"=5' H



2 CROSS SECTION
SCALE: 1"=5' V
1"=5' H

No.	REVISIONS	BY
2	5-18-18	M&R

GMS ARCHITECTS
1150 Paredes Line Rd.
Brownsville TX 78526
(956) 546-0110
fax (956) 546-0196

IDEA-ROBINDALE CAMPUS
PHASE I
BROWNSVILLE, TEXAS
IDEA Public Schools

2 DETENTION BASIN CROSS SECTIONS

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STATE OF TEXAS
JAMES E. ROSE
44096
LICENSED
PROFESSIONAL ENGINEER

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Architects-Planners
Interior Designers

Date: MAY, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: S.S
Job No. 20010
Sheet: C-3.1 OF C-7

Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No 10023900
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P.O. Box 3761 Brownsville, Texas 78520
Fax (956) 544-3068

No.	REVISIONS	BY
1	5-18-18	M&R
2	5-18-18	M&R

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IDEA-ROBINDALE CAMPUS
PHASE I
BROWNSVILLE, TEXAS

IDEA Public Schools

HORIZONTAL CONTROL PLAN 1"=40'

T.B.M.
SET "□" CUT ON BOX INLET
ELEV. = 16.11 (N.G.V.D. 1929)

T.B.M.
SET RAILROAD SPIKE IN POWER POLE
ELEV. = 19.49 (N.G.V.D. 1929)

POINT OF BEGINNING
3.00 ACRE TRACT
AND 4.52 ACRE TRACT
SET 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

POINT OF BEGINNING
16.564 ACRE TRACT
FOUND 1/2" IRON PIN
WITH A YELLOW PLASTIC
CAP STAMPED "M&R INC"

RESIDUE OF
4.52 ACRE TRACT

ENRIQUE CHAPA
OUT OF BLOCK 127,
EL JARDIN SUBDIVISION
(VOLUME 4217, PAGE 275,
OFFICIAL RECORDS)

16.564 ACRE TRACT

EASEMENT IN FAVOR OF THE
CITY OF BROWNSVILLE FOR STORMWATER
DETENTION AND DRAINAGE

15' UTILITY EASEMENT

20' UTILITY EASEMENT

30' ADDITIONAL RIGHT-OF-WAY

30' WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOL. 895, PG. 446, D.R.C.C.TX.)

30 FT. WATERLINE EASEMENT
AND RIGHT-OF-WAY
(VOLUME 895, PAGE 446, DEED RECORDS)
(SEE NOTE NO. 4)

NO FENCES OR OTHER IMPROVEMENTS SHALL BE CONSTRUCTED WITHIN THIS EASEMENT

℄ RUBEN M. TORRES, SR., BOULEVARD
(F.M. 802)(150 FT. R.O.W.)

℄ ROBINDALE ROAD
(60 FT. R.O.W.)

℄ TED HUNT BOULEVARD
(100 FT. R.O.W.)

BLOCK 124 (EL JARDIN SUB.)
BLOCK 125
BLOCK 126
BLOCK 127 (EL JARDIN SUB.)
BLOCK 127
BLOCK 128

LOT 1 & 2, BLOCK 1, L.P. II SUBDIVISION
(CABINET 1, SLOT 3019 B, MAP RECORDS, CAMERON COUNTY, TEXAS)

GULF PACIFIC COMMERCE SERVICES, L.P.

PHASE I
9 PARKING SPACES
97.00'

PHASE I
50 PARKING SPACES

PHASE I
BUS PARKING
(16 BUSES)

PHASE I
2 STORY BUILDING
FF=21.00

PHASE I
ACADEMY MULTI
SPORT BLACK TOP
50'X24'

PHASE I
ACADEMY PLAY
AREA 50'X60'

FUTURE LEARNING SPACE
(FOOTPRINT)

FUTURE PARCOURSE

FUTURE GARDEN
(FOOTPRINT)

FUTURE PHASE I I
2 STORY BUILDING

PHASE II
PLAY SURFACE

FUTURE
PHASE II

PHASE I

PROP. 15' UTILITY EASEMENT

PROP. 20' UTILITY EASEMENT

FIRE LANE NO PARKING

BUS ENTRANCE

S85°00'E 1140.12'

S85°00'E 676.89'

S85°00'E 566.36'

S85°00'E 423.20'

S85°00'E 718.46'

N85°00'W 1224.73'

N 04°49' E 753.73'

S04°28' W 753.73'

N04°29'E 341.98

S04°28'W 112.98'

N 49°54'30" E 70.60'

S85°00'E 72.07'

N 49°14'E 54.14'

S85°00'E 342.98

S85°00'E 369.98

S85°00'E 627.54

100.00'

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STATE OF TEXAS
JAMES E. ROSE
44096
LICENSED
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Interior Designers

Date: MAY, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: S.S
Job No.: 20010
Sheet: C-3.2 OF C-7

Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
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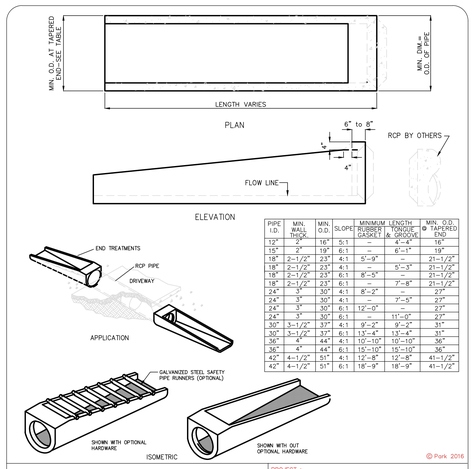


PIPE I.D.	MIN. WALL THICK.	MIN. O.D.	SLOPE	MINIMUM LENGTH BURIED GASKET	MINIMUM LENGTH TONGUE & GROOVE	MIN. O.D. @ TAPERED END
12"	2"	16"	5:1	–	4'-4"	16"
15"	2"	19"	6:1	–	6'-1"	19"
18"	2-1/2"	23"	4:1	5'-9"	–	21-1/2"
18"	2-1/2"	23"	4:1	–	5'-3"	21-1/2"
18"	2-1/2"	23"	6:1	8'-5"	–	21-1/2"
18"	2-1/2"	23"	6:1	–	7'-8"	21-1/2"
24"	3"	30"	4:1	8'-2"	–	27"
24"	3"	30"	4:1	–	7'-5"	27"
24"	3"	30"	6:1	12'-0"	–	27"
24"	3"	30"	6:1	–	11'-0"	27"
30"	3-1/2"	37"	4:1	9'-2"	9'-2"	31"
30"	3-1/2"	37"	6:1	13'-4"	13'-4"	31"
36"	4"	44"	4:1	10'-10"	10'-10"	36"
36"	4"	44"	6:1	15'-10"	15'-10"	36"
42"	4-1/2"	51"	4:1	12'-8"	12'-8"	41-1/2"
42"	4-1/2"	51"	6:1	18'-9"	18'-9"	41-1/2"

© Park 2016

Specifications

CONCRETE : Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction

REINFORCEMENT: Grade 60 reinforced. Steel rebar conforming to ASTM A615 on required centers or equal.

Installation Data

Stabilized sand shall be used for bedding and backfill of all safety end treatment sections. The bedding shall surround the section for a minimum thickness of inches or to the limits of excavation and shall taper to a minimum of 12 inches at the top of the section for a depth of 12 inches.

PROJECT :
CUSTOMER :
ARCHITECT :
ENGINEER :
ORDER # :
DATE :

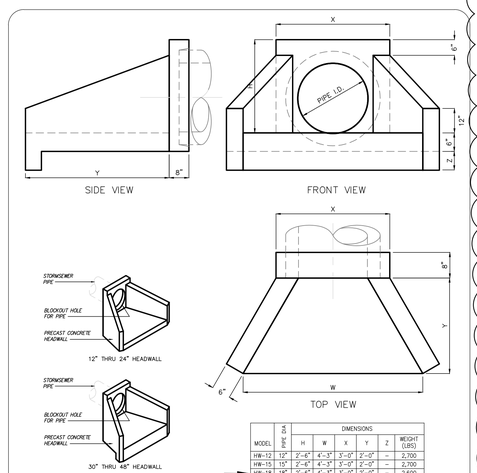
888.611.PARK
www.park-usa.com
PARK DESIGN FOR WATER

PRECAST CONCRETE SAFETY END TREATMENT

DRAWN	CHK.	DWG. NO.	REV.
DATE 04/16		SET-3	A

SHEET PRECAST 1 OF 4 SHEETS

15 (N.T.S)



MODEL	PIPE DIA	DIMENSIONS H	W	X	Y	Z	WEIGHT (LBS)
HW-12	12"	2'-6"	4'-3"	3'-0"	2'-0"	–	2,700
HW-15	15"	2'-6"	4'-3"	3'-0"	2'-0"	–	2,700
HW-18	18"	2'-6"	4'-3"	3'-0"	2'-0"	–	2,600
HW-21	21"	3'-0"	5'-10"	3'-2"	3'-0"	–	4,300
HW-24	24"	3'-0"	5'-10"	3'-2"	3'-0"	–	4,200
HW-30	30"	3'-6"	7'-4"	4'-1"	4'-0"	9"	6,200
HW-36	36"	4'-1"	9'-3"	4'-8"	5'-0"	9"	8,100
HW-42	42"	4'-11"	12'-4"	5'-10"	6'-0"	12"	11,000
HW-48	48"	4'-11"	12'-6"	5'-10"	6'-0"	12"	11,000

© Park 2006

SPECIFICATIONS

CONCRETE : Class 1 concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction including walls and floor.

REINFORCEMENT: Grade 60 reinforced. No. 4 steel rebar to conform to ASTM A615 on required centers or equal.

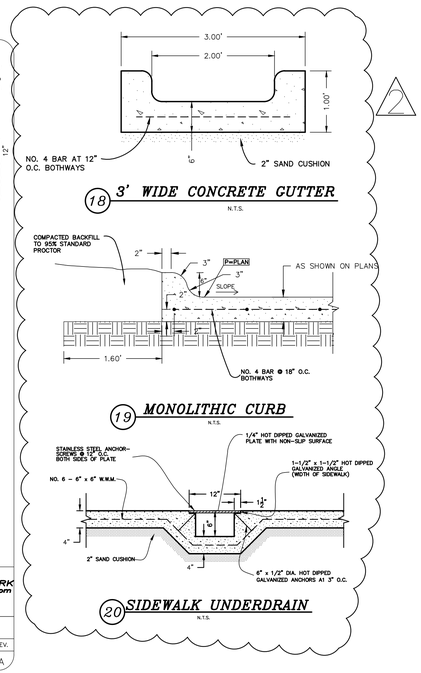
PARK ENVIRONMENTAL EQUIPMENT 888-611-PARK www.park-USA.com

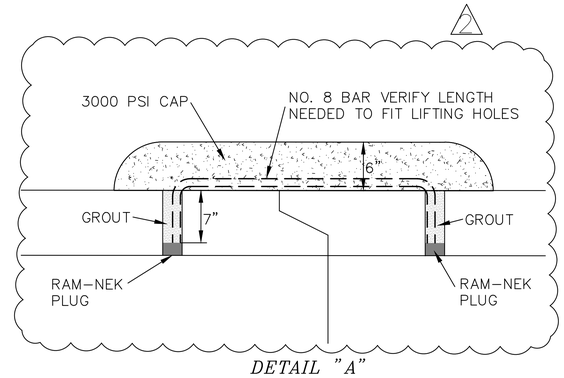
"Expect the Best"

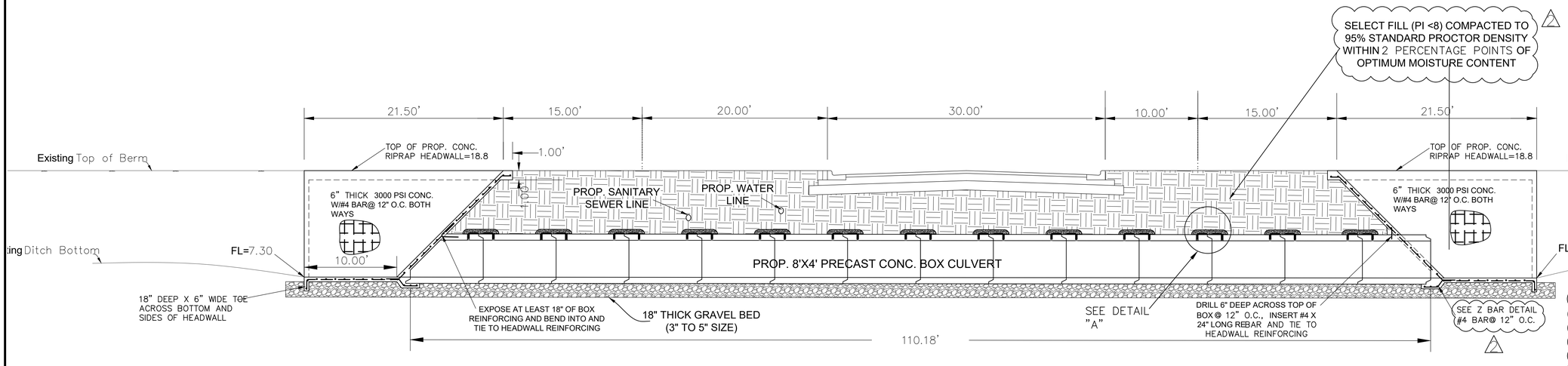
CONCRETE HEADWALL FOR STORMWATER PIPING

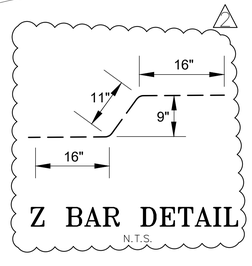
SCALE NONE	DWG. NO.	REV.
DATE 01/06	HW-1	A

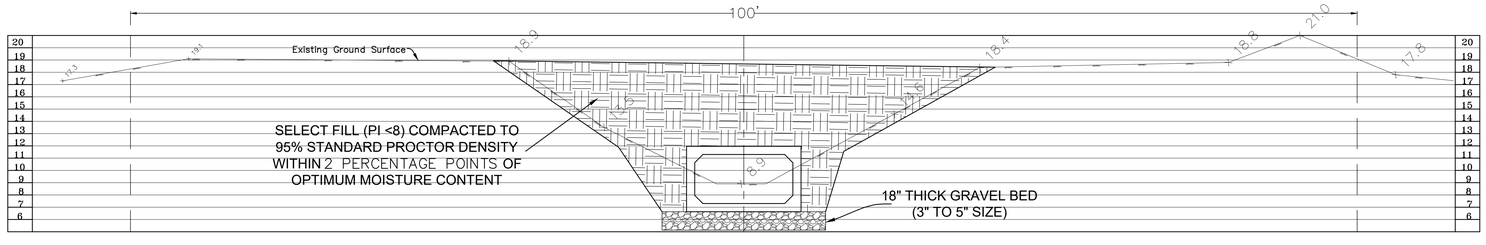
16 (N.T.S)











CROSS SECTION

SCALE: 1"=5' V
1"=5' H

17 CONCRETE BOX CULVERT DETAIL

SCALE: 1"=5' V
1"=5' H

No.	REVISIONS	BY
1	5-18-18	M&R
2	5-29-18	M&R

GMS ARCHITECTS
1150 Paredes Line Rd.
Brownsville TX 78526
(956) 546-0110
fax (956) 546-0196

IDEA-ROBINDALE CAMPUS
PHASE I
BROWNSVILLE, TEXAS

IDEA Public Schools

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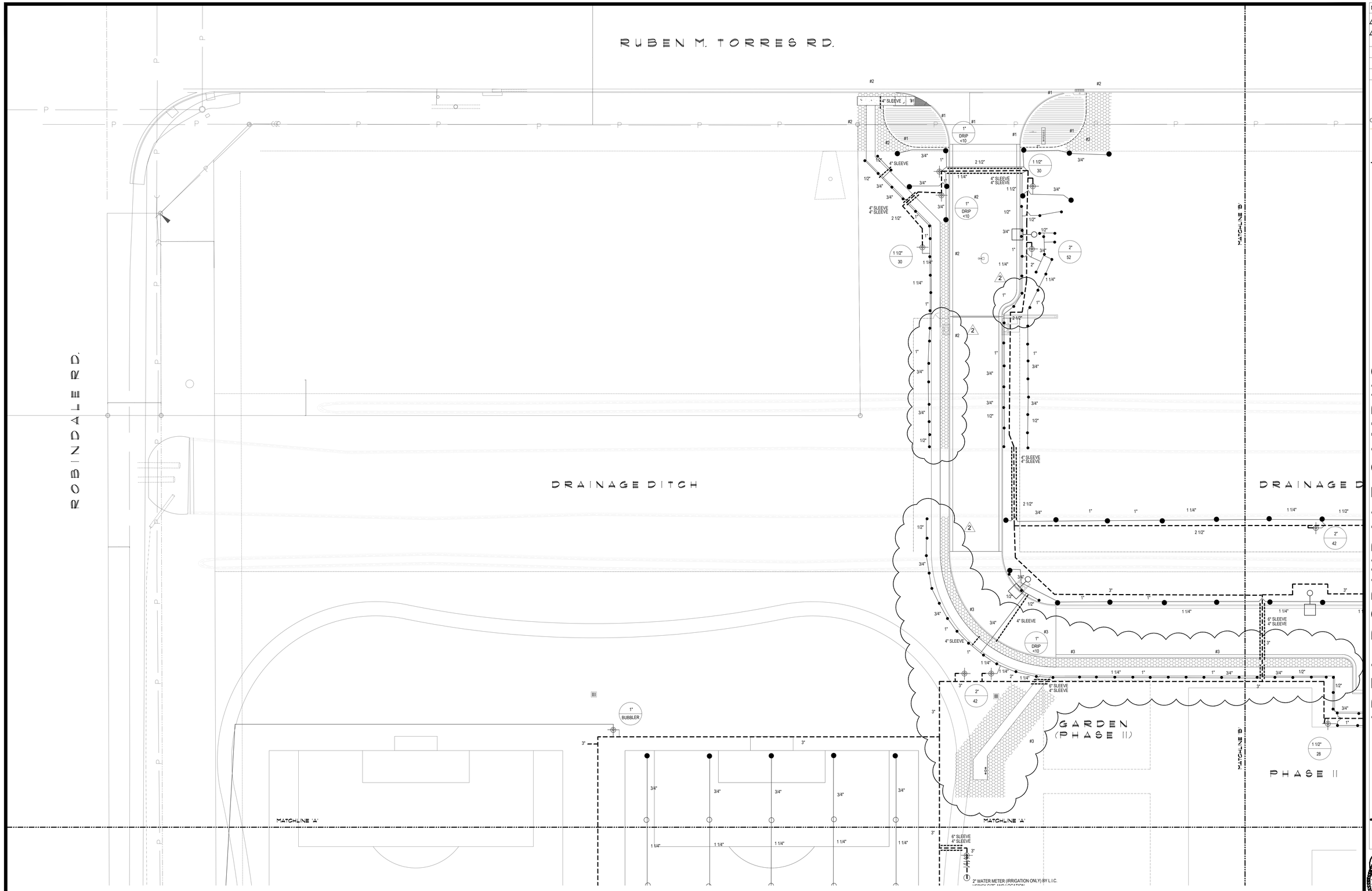
Architects-Planners
Interior Designers

Date: MAY, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: S.S
Job No.: 20010

Sheet: **C-4.1** OF C-7

DETAILS

Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 78520
Fax (956) 544-3068



MP ●	RAINBIRD R-VAN SERIES ROTARY NOZZLE
⊠	RAINBIRD 1404 BUBBLER HEAD
●	RAINBIRD 5000 PC - ROTORS
○	RAINBIRD 5000 FC - ROTORS
▲	RAINBIRD QUICK COUPLER VALVE (33-DLRC) QUICK COUPLERS SHALL BE CONNECTED TO MAINLINE ADD ONE ZONE THAT ACTIVATES MASTER VALVE AND ACTIVATES THE QUICK COUPLERS, LABEL ON COLORED ZONING DIAGRAM - LOCATED ALONG MAINLINE 200' SPACING

RAINBIRD PEB SERIES ELECTRIC VALVE

CONTROLLER (ESP-LXD TWO WIRE) WITH FLOW CONTROL MANAGEMENT (ADD FLOW SENSOR TO METERS)

WATER METER (AS SIZED)

BACKFLOW PREVENTER (AS SIZED)

CLASS 200 PVC LATERAL PIPING

CLASS 200 PVC MAINLINE

SCH. 40 PVC SLEEVING (AS SIZED)

VALVE SIZE

GPM

DRIPLINE (BED)

DRIPLINE (LAWN)

XXX RAIN

RAINBIRD DRIPLINE XFS

(18" LATERAL SPACING, 12" EMITER SPACING)

XF SERIES TIE DOWN STAKES (TDS-050) @ 36" O.C. & TWO ON EACH TEE/ELBOW

PVC LATERAL PIPING SIZED AS REQUIRED

RAINBIRD DRIP CONTROL ZONE KIT XCZ-100-PRB-COM (EACH DRIP ZONE)

1" BALL VALVE WITH REGULATED PRESSURE AND 200 MESH FILTRATION

(1) DRIP SYSTEM OPERATION INDICATOR (OPERIND) PER IRRIGATION ZONE

INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS

ALL VALVE BOXES SHALL BE RAINBIRD VB-STD OR APPROVED EQUAL

ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

DESIGN PRESSURE 60 PSI

ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) MC-178/ P.O.BOX 13087, AUSTIN, TX 78711-3087. TECQ'S WEBSITE IS: www.tceq.state.tx.us

BUBBLER PIPING CHART

NUMBER OF BUBBLERS	SIZE OF PIPE
1 - 5	½"
6 - 10	¾"
11 - 20	1"
21 - 30	1 ¼"
31 - 40	1 ½"

IRRIGATION PLAN

SCALE: 1"=20'-0"

W E

No.	REVISIONS	BY
1	ADDENDUM #1 5/18/18	
2	ADDENDUM #2 5/29/18	

GMS ARCHITECTS

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SSP Design

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FAX(956) 547-9977
SPA@SSPDESIGN.COM

IDEA-ROBINDALE CAMPUS PHASE I

BROWNSVILLE, TEXAS

IDEA Public Schools

STATE OF TEXAS
JOHN DAVID MENDEZ
LICENSED IRRIGATOR
5/18/18

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Architects-Planners
Interior Designers

Date: 5/29/18

Scale: As Noted

Project Architect: David Monreal, AIA

Drawn By: RB

Job No. IDEA Robindale Phase I

Sheet: L1.01

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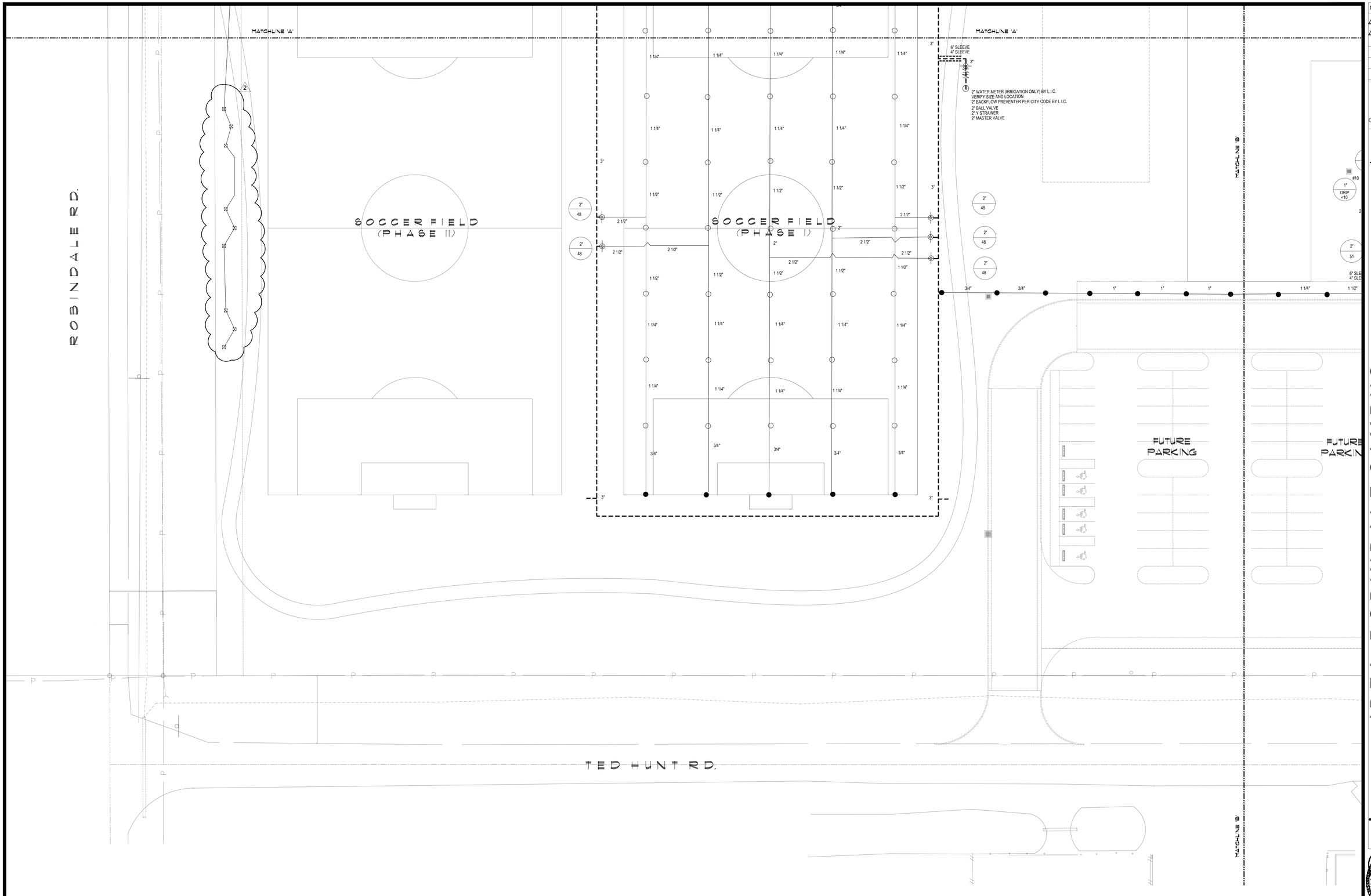

MP ● RAINBIRD R-VAN SERIES ROTARY NOZZLE

⊠ RAINBIRD 1404 BUBBLER HEAD

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GPM

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DRIPLINE (LAWN)

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1" BALL VALVE WITH REGULATED PRESSURE AND 200 MESH FILTRATION

(1) DRIP SYSTEM OPERATION INDICATOR (OPERIND) PER IRRIGATION ZONE

INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS

ALL VALVE BOXES SHALL BE RAINBIRD VB-STD OR APPROVED EQUAL

ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

DESIGN PRESSURE 60 PSI

ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.

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BUBBLER PIPING CHART

NUMBER OF BUBBLERS	SIZE OF PIPE
1 - 5	½"
6 - 10	¾"
11 - 20	1"
21 - 30	1 ¼"
31 - 40	1 ½"

IRRIGATION PLAN

SCALE: 1"=20'-0"

W E

No.	REVISIONS	BY
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2	ADDENDUM #2 5/29/18	

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SPAJESKI@SSPDESIGN.COM

IDEA-ROBINDALE CAMPUS PHASE I

BROWNSVILLE, TEXAS

IDEA Public Schools

STATE OF TEXAS
GONZALO MENDEZ SAENZ
LICENSED IRRIGATOR

5/18/18

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Architects-Planners
Interior Designers

Date: 5/29/18

Scale: As Noted

Project Architect: David Monreal, AIA

Drawn By: RB

Job No. IDEA Robindale Phase I

Sheet: L1.03

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RUBEN M. TORRES RD.

ROBINDALE RD.

DRAINAGE DITCH

DRAINAGE D

MATCHLINE 'B'

MATCHLINE 'A'

LANDSCAPE ORDINANCE REQUIREMENTS

DESCRIPTION	QUANTITY
TOTAL SITE AREA	15 AC.
DEVELOPMENT AREA	445,520 SF
REQUIRED LANDSCAPE AREA (10%)	44,552 SF
PROVIDED LANDSCAPE AREA	153,795 SF
REQUIRED VISIBLE LANDSCAPE AREA	22,276 SF
PROVIDIED VISIBLE LANDSCAPE AREA	46,138 SF
REQUIRED NON-GRASS LANDSCAPE	11,138 SF
PROVIDED NON-GRASS LANDSCAPE	11,784 SF
REQUIRED PARKING LOT TREES	19
PROVIDED PARKING LOT TREES	19
1,153 L.F. FRONTAGE DIVIDED BY 50 = 23 BUFFER TREES REQ.	
PROVIDED BUFFER TREES	23
AREA OF IRRIGATION (AUTOMATIC)	100 %

237-PURP

284-PURP

CONCRETE EDGE (TYP. SYM.)

2-CEDR

2-CEDR

2-CEDR

TREE RINGS (TYP.SYM.)

HYDRO (TYP. SYM.)

HYDRO LIMITS

HYDRO (TYP. SYM.)

3-ASH

SOD (TYP. SYM.)

1-SABL

FUTURE TRAIL

SOD (TYP. SYM.)

SOD LIMITS

HYRDO LIMITS

GARDEN (PHASE II)

SOD (TYP. SYM.)

PHASE II

HYDRO (TYP. SYM.)

3-OLIV

LANDSCAPE PLAN

SCALE: 1"=20'-0"

No.	REVISIONS	BY
1	ADDENDUM #1 5/18/18	
2	ADDENDUM #2 5/29/18	

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IDEA-ROBINDALE CAMPUS PHASE I

BROWNSVILLE, TEXAS

IDEA Public Schools

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Interior Designers

Date: 5/29/18
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: RB
Job No. IDEA Robindale Phase I
Sheet: L2.01

ROBINDALE RD.

MATCHLINE 'A'

3-OLIV

3-OLIV

3-OLIV

TREE RINGS (TYP. SYM.)

SOCCER FIELD (PHASE II)

SOCCER FIELD (PHASE I)

HYDRO * (TYP. SYM.)

MATCHLINE 'A'

MATCHLINE 'B'

SOD LIMITS

SOD (TYP. SYM.)

1-LAUR

114-FROG

SOD (TYP. SYM.)

FUTURE PARKING

FUTURE PARKIN

SOD (TYP. S

SOD L

HYDRO (TYP. S

HYDRO L

MATCHLINE 'B'

TED HUNT RD.

SOCCER FIELD NOTES

1. APPLY HERBICIDE/ROUNDUP TO FIELD AREA.
2. CLEAR AND GRUB (REMOVE ALL DEBRIS) FROM SOD AREA.
3. APPLY SAND/TOPSOIL/COMPOST MIX (3" DEPTH) ABOVE FINISHED GRADE AS PER CIVIL PLANS.
4. CONTRACTOR TO GRADE FIELD WITH SPECIFIED CROWN/SLOPES UTILIZING FULLY AUTOMATED COMPUTERIZED DUAL GPS SYSTEM WITH LASER AUGMENTATION TO ACHIEVE GRADES WITHIN 1/4" TOLERANCE. FIELD MUST DRAIN SMOOTHLY WITH NO BIRD BATHS OR LOW SPOTS.
5. FIELD DRAINAGE WILL BE TESTED AND REVIEWED BY SSP PRIOR TO APPROVAL.
6. INSTALL SOD (ROLLED) AS PER PLANS (ALTERNATE NO 1).

LANDSCAPE PLAN
SCALE: 1"=20'-0"

No.	REVISIONS	BY
1	ADDENDUM #1 5/18/18	
2	ADDENDUM #2 5/29/18	

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IDEA-ROBINDALE CAMPUS PHASE I

BROWNSVILLE, TEXAS

IDEA Public Schools

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: 5/29/18
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: RB
Job No. IDEA Robindale Phase I
Sheet: L2.03

PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	TYPE	SIZE	SPACING	QTY
	PALMS/CYCADS					
SABL	SABAL TEXANA	TEXAS SABAL PALM	B/B	6-8' TRUNK	AS.	2
	TREES					
ASH	FRAXINUS P. 'FAN TEX' ASH	FAN TEX ASH	B/B	3" CAL. - 10'H X 6'W	AS.	14
CEDR	ULMUS CRASSIFOLIA	CEDAR ELM (CONT. GROWN)	36" BOX	3-4" CAL. 14' H X 11' W	AS.	14
LAUR	SOPHORA SECUNDIFLORA	MOUNTAIN LAUREL (CONT. GRN)	24" BOX	MULTI-TRUNK - 6'-0" HT	AS.	13
LIVE	QUERCUS VIRGINIANA	LIVE OAK (CONTAINER GROWN)	36" BOX	4-5" CAL 18' HT X 14' W	AS.	10
MYRT	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	45 GAL	12'HT X 6'W MULTI	AS.	1
OLIV	CORDIA BOISSIERI	WILD OLIVE	B/B	3" CAL. 8' HT X 4' W	AS.	24
PERS	DIOSPYROS TEXANA	TEXAS PERSIMMON	B/B	3" CAL. 12' HT X 6' W	AS.	3
TABB	TABEBUIA IMPETIGINOSA	PURPLE TABEBUIA	30 GAL	3-4" CAL. 10'H X 6' W	AS.	2
VITX	VITEX AGNUS-CASTUS	CHASTE TREE	15 GAL	2-3" CAL. 8' HT	AS.	4
	SHRUBS					
BULB	BULBINE FRUTESCENS	ORANGE BULBINE	1 GAL	12"HT-BUSHY	18" O.C.	200
IRIS	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	3 GAL	18"HT-BUSHY	AS.	15
MIST	EUPATORIUM GREGGII	PURPLE MIST FLOWER	1 GAL	12"HT-BUSHY	AS.	328
TRIX	TRIXIS INULA	MEXICAN TRIXIS	3 GAL	12"HT-BUSHY	AS.	47
	GROUND COVERS					
BLUE	SALVIA FARINACEA	BLUE SAGE	3 GAL	12"HT-BUSHY	12" O.C.	512
FROG	PHYLA INCISA	TEXAS FROG FRUIT	QTS.	12"HT-BUSHY	18" O.C.	2,272
PURP	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	1 GAL	12"HT-BUSHY	18" O.C.	1,362
WOOL	STEMODIA LANATA	WOOLY STEMODIA		12"HT-BUSHY	12" O.C.	212
ZEXM	WEDELIA TEXANA	ORANGE ZEXMENIA	1 GAL	12"HT-BUSHY	12" O.C.	621
	GRASS					
HYDRO	CYNODON DACTYLON	COMMON BERMUDA HYDROMULCH			124,800 S.F.	
SOD	CYNODON DACTYLON	# 1 CERTIFIED '419' HYBRID BERMUDA SOD			2,033 S.Y. (2)	

NOTE: CONTAINER GROWN MATERIAL SHALL BE GLEN FLORA FARMS OR APPROVED EQUAL

MATERIAL SCHEDULE

DESCRIPTION	NOTES	QUANTITY
PREMIUM COMPOST	2" LAYER PREMIUM COMPOST (EARTHWISE ORGANICS MIX)	65 C.Y.
SCREENED TOP SOIL	8" FOR ALL PLANTING BEDS	288 C.Y.
MULCH (HARDWOOD)	2" MIN. FOR ALL PLANTING BEDS AND WATERING BASINS (TEXAS NATIVES HARDWOOD)	1060 BAGS
HERBICIDE	ALL PLANTING BED AREAS AS SPECIFIED	11,784 S.F.
FERTILIZER	ALL PLANT MATERIAL PER DETAILS	--
PLANTING TABLETS	PER DETAILS / AS SPECIFIED	--
PRE-EMERGENT	ALL PLANTING BED AREAS AS SPECIFIED	11,784 S.F.
GUYING / STAKING	ALL TREES/PALMS PER DETAILS	--
CONCRETE EDGE	5" EXTRUDED COLORED CONCRETE EDGING PER PLANS/DETAILS	672 L.F.
ROCK SWALE	18" WIDE ROCK SWALE PER DETAILS AT RAIN GUTTER LOCATIONS	100 S.F.
TREE RINGS	(36" DIA.) 4x6" EXTRUDED CONCRETE EDGING PER PLANS/DETAILS	36
TREE GRATE	NEENAH FOUNDRY 60" R-8746-A CAST IRON TREE GRATE W/ 18" OPENING INCLUDE TYPE 8500 TREE GRATE FRAME (R8500606) AND STEEL CHANNEL SUPPORT (99920606).	2
IRRIGATION SYSTEM	COMPLETE AUTOMATIC IRRIGATION SYSTEM BY LICENSED CONTR.	--

NOTE: CONTRACTORS MUST REVIEW TECHNICAL SPECIFICATIONS FOR ADDITIONAL PRODUCT INFORMATION AND PROJECT REQUIREMENTS.

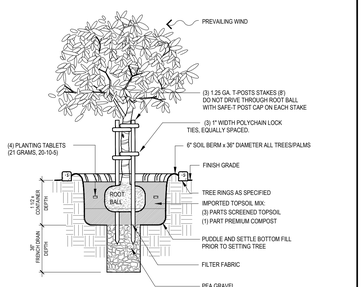
MATERIAL SCHEDULE - SOCCER FIELD

DESCRIPTION	NOTES	QUANTITY
HERBICIDE	ALL LANDSCAPE AREAS (ROUNDUP OR APPROVED EQUAL	49,500 S.F.
CLEAR/GRUB/SITE PREP	CLEAR ALL DEBRIS FROM TOP LAYER OF EXISTING SITE	49,500 S.F.
GRADING	GRADING & LASER LEVELING	49,500 S.F.
TOPSOIL/SAND MIX #	70/20/10 SAND/TOPSIL/COMPOST MIX (3" - ADD TO FINISHED GRADE AS PER CIVIL PLANS	460 C.Y.
HYDROMULCH	'PAN-AM' HYBRID BERMUDA HYDROMULCH	50,000 S.F.
MAINTENANCE	90 DAY MAINTENANCE OF FIELDS WITH REEL MOWERS & FERTILIZATION	1

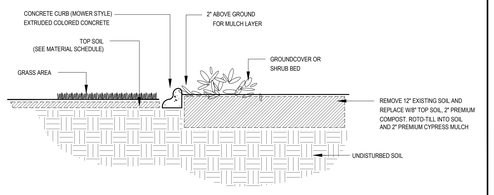
EARTHWISE ORGANICS (956) 778-8540 OR APPROVED EQUAL
MATHIS SAND - WRIGHT MATERIALS PLANT 1 (361) 387-0293

LANDSCAPE CONSTRUCTION NOTES

1. WORK UNDER THIS CONTRACT INCLUDES SITE REVIEW AND COORDINATION WITH EXISTING CONDITIONS, SITE CLEANUP, EXCAVATION, BED PREP, TILLING, PLANTING, STAKING, EDGING, IRRIGATION, MAINTENANCE, AND GUARANTEE.
2. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES AND DIMENSIONS PRIOR TO BIDDING. QUANTITIES SHOWN IN SCHEDULE ARE FOR CONVENIENCE ONLY.
3. NOTIFY SSP DESIGN PRIOR TO BID OF ANY DISCREPANCIES IN DRAWINGS/DETAILS OR INSUFFICIENT QUANTITIES DUE TO DIFFERENCES IN PLAN AND ACTUAL FIELD CONDITIONS.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. SPOTTING OF ALL UTILITIES IS REQUIRED.
5. NOTIFY AND MEET WITH SSP DESIGN PRIOR TO ANY CONSTRUCTION FOR VERIFICATION/INTERPRETATION OF PLANS.
6. LANDSCAPE CONTRACTOR SHALL VERIFY ALL PROPERTY BOUNDARIES AND LIMITS OF WORK WITH GENERAL CONTRACTOR/CIVIL ENGINEER. DO NOT BEGIN LANDSCAPE CONSTRUCTION UNTIL ALL BOUNDARIES, EASEMENTS AND RIGHTS-OF-WAY HAVE BEEN VERIFIED IN THE FIELD.
7. LANDSCAPE CONTRACTOR SHALL STAKE OUT ALL BEDS, TREES, PALM LOCATIONS PRIOR TO INSTALLATION FOR APPROVAL BY SSP DESIGN.
8. LANDSCAPE CONTRACTOR TO COORDINATE WITH SSP DESIGN TO ENSURE PROPER PLACEMENT OF PLANT MATERIAL AND IRRIGATION EQUIPMENT.
9. LANDSCAPE CONTRACTOR TO INSTALL EXTRUDED CONCRETE EDGING AS SHOWN ON PLANS.
10. LANDSCAPE CONTRACTOR TO SUPPLY/INSTALL 36" DIA. TREE RINGS AS SHOWN ON PLANS/DETAILS.
11. NOTIFY SSP DESIGN PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL ON SITE. ANY PLANT MATERIAL NOT APPROVED BY SSP DESIGN WILL BE SUBJECT TO REJECTION.
12. IRRIGATION CONTRACTOR SHALL SUPPLY AND INSTALL COMPLETE AUTOMATIC IRRIGATION SYSTEM INCLUDING WATER METER, BACKFLOW DEVICE, CONTROLLER, MAINLINE, SLEEVES, LATERALS, AND POP-UP HEADS, TO COVER ALL LANDSCAPE AREAS PER PLANS/DETAILS. IRRIGATION SYSTEM SHALL BE INSTALLED BY A TEXAS LICENSED IRRIGATOR ONLY.
13. LANDSCAPE CONTRACTOR SHALL REMOVE ALL EXISTING GRASS/WEEDS BY HERBICIDING PRIOR TO BED PREP AND SOIL REPLACEMENT.
14. LANDSCAPE CONTRACTOR SHALL REMOVE 12" OF EXIST'G SOIL WITHIN ALL BED AREAS AND REPLACE WITH IMPORTED TOP SOIL/PREMIUM COMPOST MIX.
15. LANDSCAPE CONTRACTOR SHALL CONSTRUCT 6"x36" WATERING BASINS AROUND ALL TREES/PALMS WITH A MIN. 2" LAYER OF CYPRESS MULCH.
16. LANDSCAPE CONTRACTOR SHALL LOOSEN / GRADE ALL LAWN AREAS PRIOR TO HYDRO-MULCHING/SODDING TO ENSURE PROPER DRAINAGE AND UNIFORM SURFACE.
17. LANDSCAPE CONTRACTOR SHALL REMOVE ALL EXISTING GRASS AND WEEDS BY HERBICIDING, DISKING, FLOATING AND LIGHT GRADING OF ENTIRE PROJECT AREA PRIOR TO SODDING/HYDROMULCHING.
18. LANDSCAPE CONTRACTOR SHALL ESTABLISH AND MAINTAIN ALL PLANT MATERIAL FOR 90 DAYS AFTER SUBSTANTIAL COMPLETION AND SHALL GUARANTEE ALL TREES/PALMS FOR A PERIOD OF ONE YEAR.
19. IRRIGATION CONTRACTOR SHALL GUARANTEE ALL SYSTEM COMPONENTS FOR A PERIOD OF ONE YEAR.
20. SEE SPECIFICATIONS FOR FURTHER INSTRUCTIONS/REQUIREMENTS.

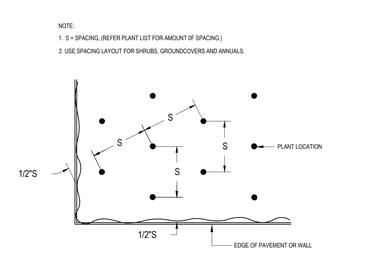


1 TREE PLANTING DETAIL
NOT TO SCALE

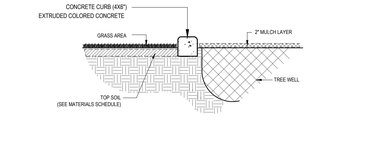


NOTES:
1. CONCRETE CURBING TO HAVE 1 1/2" DEEP CONTRACTION JOINTS @ 5'-0" SPACING.
2. CONCRTE CURBING TO HAVE TAPERED DRAINAGE POINTS AT 10' O.C.
3. 2500-3000 PSI COMPRESSIVE STRENGTH, 490 PSI FLEXURAL STRENGTH.
4. USE HALF-INCH POLYPROPYLENE FIBER REINFORCEMENT.
5. NATURAL FINISH AND TEXAS BUFF COLOR.
6. EQUAL TO 'CURB APPEAL' EDGING (956-867-8350).

2 CONCRETE EDGE DETAIL
NOT TO SCALE

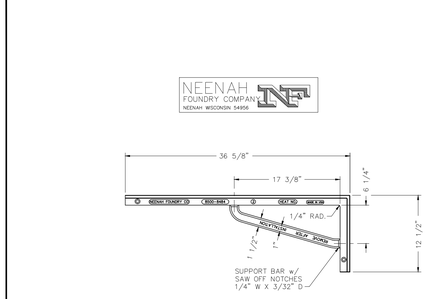


3 TRIANGULAR PLANT SPACING DIAGRAM
NOT TO SCALE

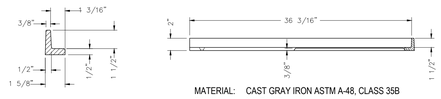


NOTES:
1. CONCRETE CURBING TO HAVE 1 1/2" DEEP CONTRACTION JOINTS @ 5'-0" SPACING.
2. CONCRETE CURBING TO HAVE TAPERED DRAINAGE POINTS AT 10' O.C.
3. 2500-3000 PSI COMPRESSIVE STRENGTH, 490 PSI FLEXURAL STRENGTH.
4. USE HALF-INCH POLYPROPYLENE FIBER REINFORCEMENT.
5. NATURAL FINISH AND TEXAS BUFF COLOR.
6. EQUAL TO 'CURB APPEAL' EDGING (956-867-8350).

4 TREE RING DETAIL
NOT TO SCALE



FRAME BOLT HOLE/SLOT DETAIL

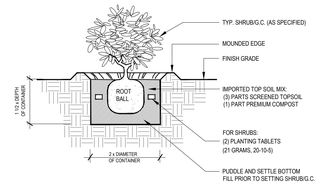


MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 21#

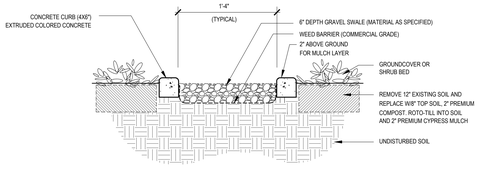
TYPICAL FRAME SECTION

NOTE:
USE STEEL CHANNEL SUPPORT R-8500 (99920606) FOR 5' X 5' TREE GRATE

8 TREE GRATE FRAME DETAIL
SCALE: NTS

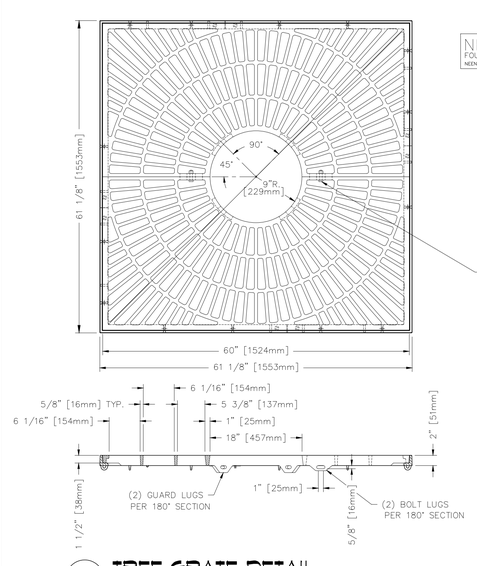


5 SHRUB/G.C. PLANTING DETAIL
NOT TO SCALE



NOTES:
1. CONCRETE CURBING TO HAVE 1 1/2" DEEP CONTRACTION JOINTS @ 5'-0" SPACING.
2. CONCRETE CURBING TO HAVE TAPERED DRAINAGE POINTS AT 10' O.C.
3. 2500-3000 PSI COMPRESSIVE STRENGTH, 490 PSI FLEXURAL STRENGTH.
4. USE HALF-INCH POLYPROPYLENE FIBER REINFORCEMENT.
5. NATURAL FINISH AND TEXAS BUFF COLOR.
6. EQUAL TO 'CURB APPEAL' EDGING (956-867-8350).

6 ROCK SWALE DETAIL
NOT TO SCALE



NOTE: FRAME CROSS BAR REQUIRES REMOVAL AFTER INSTALLATION.
ALL DIMENSIONS ARE SHOWN IN ENGLISH AND [METRIC].
COMPONENT NO'S: (4) 5'-0" FRAME 8500-6060; (2) TREE GRATE 8746-0010
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NOT PAINTED
WEIGHT: 512#/SET

7 TREE GRATE DETAIL
SCALE: NTS

No.	REVISIONS	BY
1	ADDENDUM #1 5/18/18	
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IDEA-ROBINDALE CAMPUS PHASE I
BROWNSVILLE, TEXAS
IDEA Public Schools

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: 5/29/18
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: RB
Job No.
Sheet: IDEA Robindale Phase I

L2.05

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May 25, 2018
Idea – Brownsville Robindale Campus Phase I

ADDENDUM NO. 2

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans and specifications for the project referenced above.
This addendum shall become part of the contract and all contractors shall be bound by its content.
All aspects of the specifications and drawings not covered herein shall remain the same.
The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

B. SCOPE

I. Specifications:

1) Section 233713 – Diffusers, Registers and Grilles.
   a. Add Nailor Industries to the approved manufacturer's list. Manufacturer shall meet or exceed the specifications.

2) Section 237433 – Dedicated Outdoor-Air Units clarification:
   a. Add GREENHECK to the approved manufacturer's list.
   b. Hot Gas Bypass not required provided the system can unload to 20% of its total capacity.
   c. If bypass on DOAS VFD is not available, manufacturer shall provide a spare VFD of the same capacity for each unit. Deliver spare VFDs to Owner during Construction.

3) Louvers:
   a. Add Pottorff and Greenheck to the approved manufacturer's list. Manufacturer shall meet or exceed the specifications.

4) Division 22 – Plumbing Specifications:
    a. Add the following manufacturer's the approved list, they shall meet or exceed the specifications:
        i. AO Smith for Water Heaters.
        ii. Charlotte Pipe for couplings and soil pipe.
        iii. Holdrite/Hydroflame for Fire stop assemblies.
        iv. Powers for Shower valves.
        v. Watts for Backflow Preventers.
        vi. Watts Drainage for Trap Primers, Shock Arrestors, Drains, Cleanouts and Hydrants.
        vii. Wessels for Expansion Tanks.

II. Drawings:

1) Sheet MEP1.01:
    a) Revised MEP Site Plan (Outdoor drinking fountain with bottle filling station added). See attached sheet.

2) Sheet M3.04:
    a) Revised Second Floor Mechanical Plan (Gym ductwork – Modification). See attached sheet.

3) Sheet E3.04:
    a) Revised Second Floor Lighting Plan (Branding wall LED sign – Clarification). See attached sheet.

4) Sheet E4.01:
    a) Revised General Notes (Note #2 – Clarification). See attached sheet.

5) Sheet E4.02:
    a) Revised General Notes (Note #2 – Clarification). See attached sheet.

6) Sheet E4.03:
    a) Revised General Notes (Note #2 – Clarification). See attached sheet.

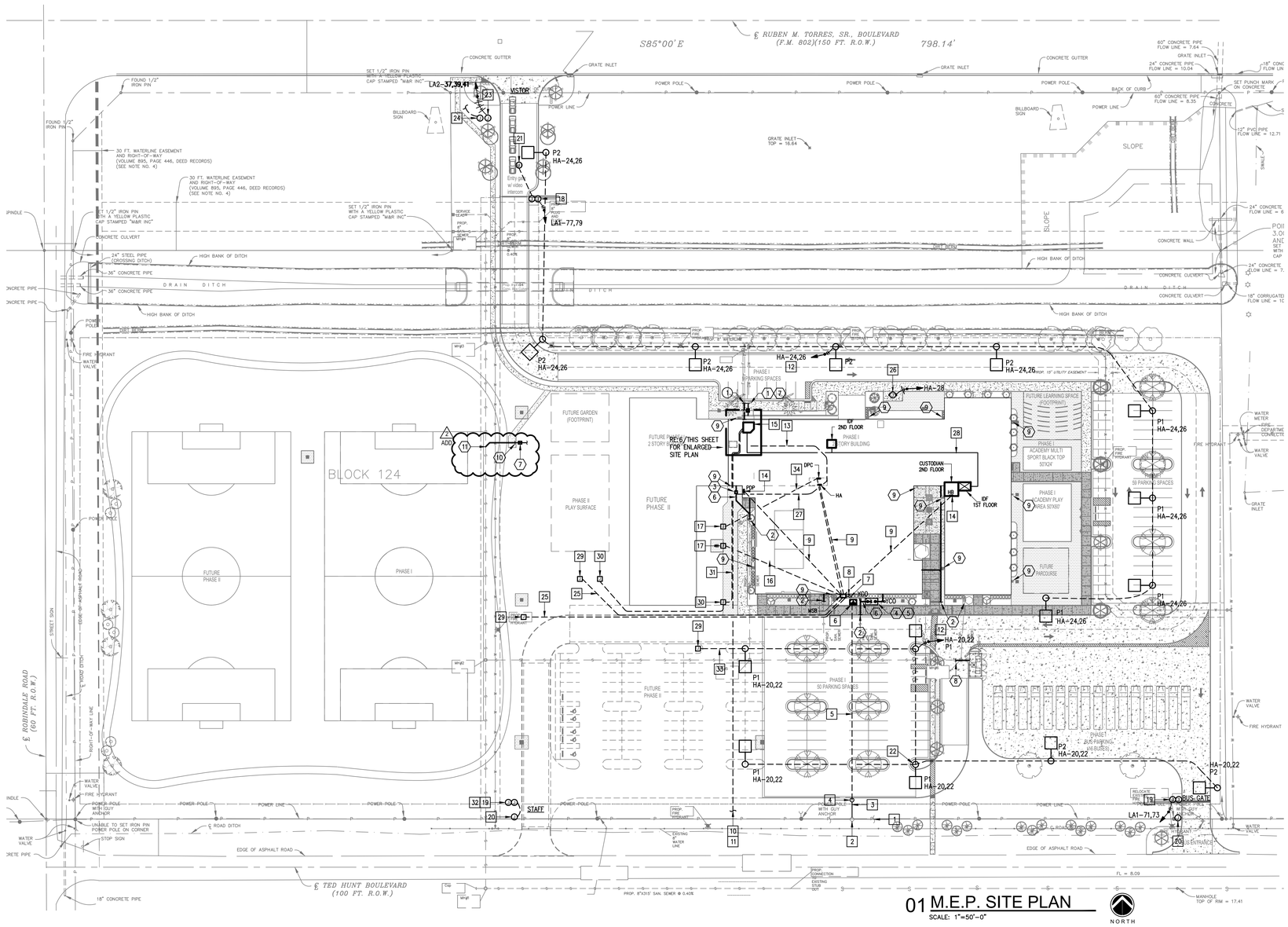
7) Sheet E4.04:
    a) Revised General Notes (Note #2 – Clarification). See attached sheet.

8) Sheet E4.05:
    a) Revised General Notes (Note #2 – Clarification). See attached sheet.

b) Office 181: Provide an intrusion detection system keypad and fire alarm pull station adjacent to exterior door. This office to be programed as a separate intrusion zone. Coordinate with owner.
c) Corridor 180: Provide an intrusion detection system keypad adjacent to exit door.

9) Sheet E6.01:
   a) Revised Luminaire Schedule (Added fixture). See attached sheet.

10) Sheet E6.02
   a) Revised Light Fixture Images (Revised designations). See attached sheet.


℄ RUBEN M. TORRES, SR., BOULEVARD
(F.M. 802)(150 FT. R.O.W.)
S85°00'E
798.14'
℄ ROBINDALE ROAD
(60 FT. R.O.W.)
℄ TED HUNT BOULEVARD
(100 FT. R.O.W.)
BLOCK 124
FUTURE PHASE II
PHASE I
FUTURE GARDEN (FOOTPRINT)
PHASE II PLAY SURFACE
FUTURE PHASE I 2 STORY BUILDING
REFER THIS SHEET FOR ENLARGED SITE PLAN
PHASE I PARKING SPACES
PHASE I ACADEMY MULTI SPORT BLACK TOP 50'X24'
PHASE I ACADEMY PLAY AREA 50'X60'
FUTURE PARKOURSE
FUTURE LEARNING SPACE
PHASE I 50 PARKING SPACES
PHASE I BUS PARKING (4 BUSES)
PROP. FIRE HYDRANT
PROP. 18" UTILITY EASEMENT
SLOPE
CONCRETE WALL
CONCRETE CULVERT
DRAIN DITCH
HIGH BANK OF DITCH
EDGE OF ASPHALT ROAD
STREET SIGN
STOP SIGN
STAFF
BUS GATE
FIRE HYDRANT
WATER METER
WATER VALVE
GRATE INLET
POWER POLE
POWER LINE
BILLBOARD SIGN
BACK OF CURB
SET 1/2" IRON PIN WITH A YELLOW PLASTIC CAP STAMPED "M&R INC"
FOUND 1/2" IRON PIN
30 FT. WATERLINE EASEMENT AND RIGHT-OF-WAY (VOLUME 895, PAGE 446, DEED RECORDS) (SEE NOTE NO. 4)
24" STEEL PIPE (CROSSING DITCH)
36" CONCRETE PIPE
18" CONCRETE PIPE
24" CONCRETE PIPE
18" CORRUGATED
12" PVC PIPE
CONCRETE CULVERT
CONCRETE GUTTER
GRATE INLET
SET PUNCH MARK ON CONCRETE
SMILE
POINT OF ANTICIPATED CAP
LA1-37,39,41
LA1-77,79
LA1-71,73
P1 HA-24,26
P2 HA-24,26
P1 HA-20,22
P2 HA-20,22
P1 HA-28
MH#1
MH#2
MH#3
MH#4
MH#5
MH#6
MH#7
MH#8
MH#9
MH#10
MH#11
MH#12
MH#13
MH#14
MH#15
MH#16
MH#17
MH#18
MH#19
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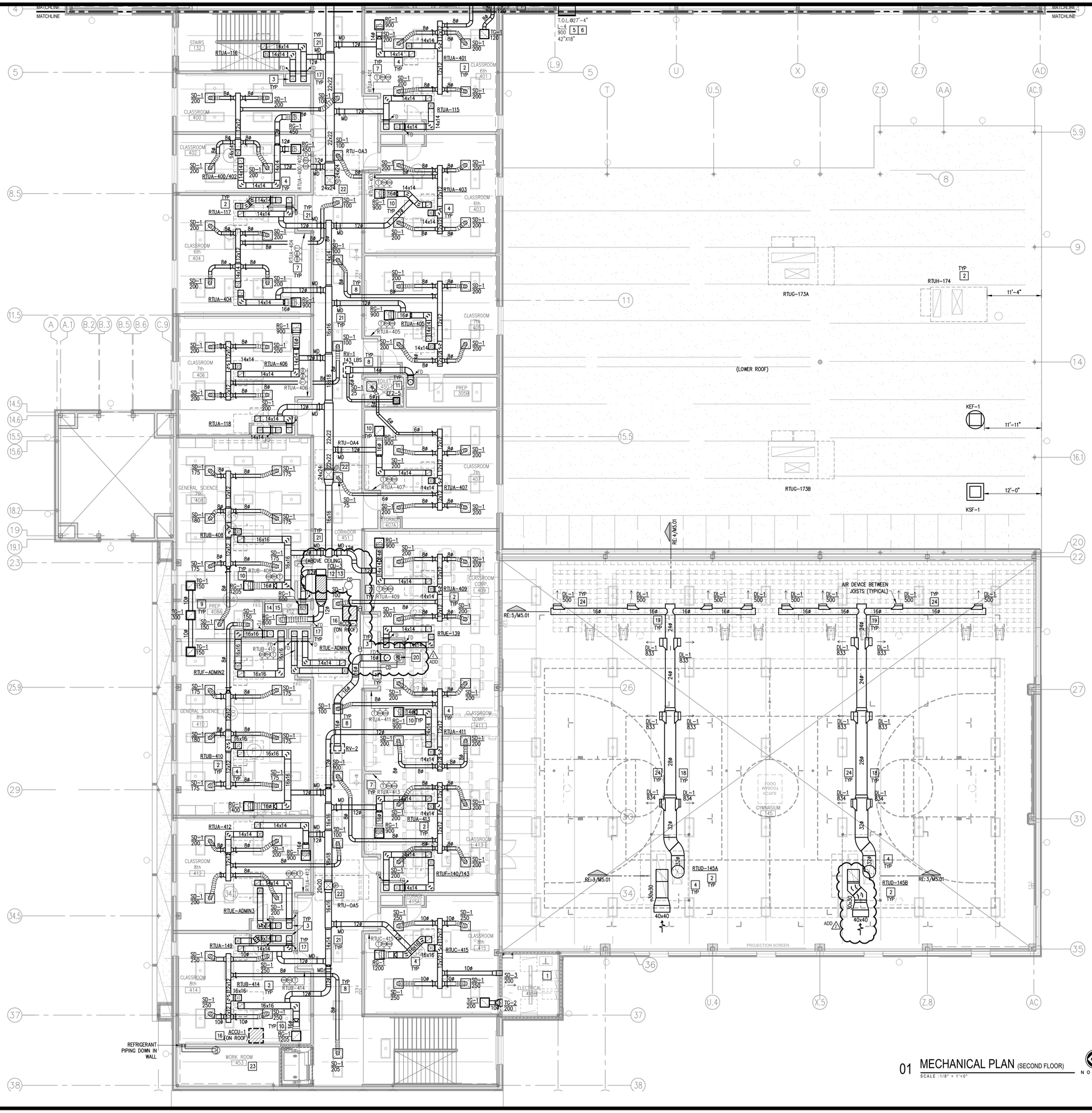
MH#40



GENERAL NOTES:

1. PRIOR TO LABELING EQUIPMENT, COORDINATE DESIGNATION AND IDENTIFICATION WITH OWNER AND BUILDING AUTOMATION SYSTEM.

KEYED NOTES:

1. CODE AND WORKING CLEARANCE FOR ELECTRICAL PANELS. DO NOT ROUTE DUCT OR PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT FOOTPRINT. SEE ELECTRICAL PLANS FOR EXACT LOCATION. (TYP.)
2. PROVIDE RTU ON ROOF CURB AS SCHEDULED. REFER TO MECHANICAL ROOF PLAN FOR MORE INFORMATION.
3. DUCTWORK DOWN TO FIRST FLOOR. REFER TO FIRST FLOOR MECHANICAL PLAN FOR CONTINUATION.
4. DUCTWORK ROUTING SHOWN IS DIAGRAMMATIC IN NATURE. FIELD-VERIFY STRUCTURE AND SPACE AVAILABILITY PRIOR TO SUBMITTING SHOP DRAWINGS. COORDINATE WITH ARCHITECT AND ENGINEER IN CASE OF CONFLICTS.
5. SLEEVE ALL WALL PENETRATIONS PER SPECIFICATIONS. SEAL AROUND DUCTS & PIPING AT ALL WALLS, AC ROOMS AND WALL LOUVER PENETRATIONS WITH FIRE-PROOF CAULKING. PROVIDE ESCUTCHEON PLATES AND FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE TO PROVIDE A FINISH LOOK. (TYP.)
6. PROVIDE LOUVER AS SCHEDULED. COORDINATE FINAL FINISH, SIZE AND LOCATION WITH ARCHITECT PRIOR TO ORDERING. (TYP.)
7. PROVIDE THERMOSTAT, RH, AND CO2 SENSORS WHERE INDICATED. INSTALL 48" A.F.F. COORDINATE WITH ARCHITECT AND OWNER TO MEET ADA REQUIREMENTS. PROVIDE CLEAR LOCKING COVER FOR ALL SENSORS. (TYPICAL)
8. PROVIDE ROUND SPIRAL LOCK-SEAM DUCT. LONGITUDINAL SEAM TYPE IS NOT ACCEPTABLE. (TYPICAL)
9. PROVIDE ACOUSTICAL LINING FOR TRANSFER DUCT. SEE SPECIFICATIONS. (TYPICAL)
10. PROVIDE FABRICATED RETURN AIR PLENUM BOX ABOVE RETURN GRILLE. INSTALL ACOUSTICAL LINING IN PLENUM BOX. CONNECT WITH FLEX DUCT TO MAIN RETURN TRUNK DUCT WHERE SHOWN ON DRAWING AND INSTALL BALANCING DAMPER WHERE INDICATED. FOR AREAS WHERE FLEX DUCT IS NOT SHOWN, PROVIDE ACOUSTICAL LINING FOR CONNECTION TO MAIN RETURN TRUNK DUCT. SEE DETAIL SHEET. (TYPICA
11. PROVIDE EXHAUST FAN AS SCHEDULED. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
12. PROVIDE FAN COIL UNIT AS SCHEDULED. PROVIDE WATER LEVEL DETECTION DEVICE THAT WILL SHUT-OFF THE FCU PRIOR TO OVERFLOW. AUXILIARY DRAIN SYSTEM SHALL BE AS PER IMC-2009 SECTION 307.2.3. SEE DETAIL SHEET. ROUTE COPPER CONDENSATE LINE TO PLUMBING RECEPTACLE AND INSULATE PER SPECIFICATIONS. DROP REFRIGERANT LINES NEXT TO UNIT TO AVOID INTERFERENCE WITH MAINTENANCE ACCESS. POSITION UNIT TO ALLOW REQUIRED CLEARANCES.
13. SUSPEND FCU USING SPRING VIBRATION ISOLATORS AS PER MANUFACTURER'S RECOMMENDATIONS. POSITION UNIT TO ALLOW REQUIRED CLEARANCES. PROVIDE AUXILIARY DRAIN PAN WITH FLOAT SWITCH TO DISABLE FAN WHEN MOISTURE IS DETECTED. PROVIDE INSULATED COPPER CONDENSATE PIPING. ROUTE INSULATED CONDENSATE PIPING DOWN TO FIRST FLOOR INSIDE CHASE. TERMINATE CONDENSATE PIPING AT FLOOR SINK IN THE FIRST FLOOR ELECTRICAL/CUSTODIAN ROOM 138. (ADD 1)
14. PROVIDE PLENUM BOX ON TOP OF AIR DEVICE FOR SIDE FLEX CONNECTION. REMOVE PATTERN DIFFUSER AND ENSURE S/A DEVICE DROPS AIR IN FRONT OF RACKS. COORDINATE EXACT LOCATION WITH OWNER AND ENGINEER PRIOR INSTALLATION. RG-1 TO BE USED AS SUPPLY AIR DEVICE.
15. PRIOR TO INSTALLATION OF FCU AND RELATED DUCTWORK, COORDINATE LOCATION OF COMMUNICATION AND DATA EQUIPMENT TO ENSURE RACKS ARE POSITIONED IN A PROPER MANNER CLEARLY IDENTIFYING THE COLD AND HOT ISLES. SUPPLY AIR DEVICES SHALL THROW AIR IN FRONT OF RACKS AND RETURN AIR DEVICES SHALL BE LOCATED ON BACK SIDE OF RACKS. DOCUMENT COORDINATION WITH OWNER, I.T. DEPARTMENT, AND ARCHITECT/ENGINEER PRIOR INSTALLATION.
16. PROVIDE AIR COOLED CONDENSING UNIT ON ROOF AS SCHEDULED. REFER TO MECHANICAL ROOF PLAN FOR MORE INFORMATION.
17. PROVIDE 1-1/2 HOUR RATING, DYNAMIC FIRE DAMPER EQUAL TO RUSKIN DIBD2 AND DUCT ACCESS DOOR EQUAL TO RUSKIN ADH-22 FOR RECTANGULAR DUCT, ACUDOR RD FOR ROUND DUCT. (TYPICAL). PROVIDE FIRE DAMPER AT WALL PENETRATIONS AS SHOWN.: ACCESS PANEL SHALL BE IN CEILING SPACE.
18. PROVIDE DOUBLE WALL EXPOSED-PAINTED ROUND DUCT AS PER SPECIFICATIONS WITH DIFFUSERS AS SCHEDULED. PROVIDE HIGH PERFORMANCE PAINT AND COORDINATE FINAL COLOR OF DUCTS AND DIFFUSERS WITH ARCHITECT BEFORE ORDERING AND INSTALLING. ALL EXPOSED DUCTS SHALL BE PAINTED. COORDINATE FINISH AND COLOR WITH ARCHITECT.
19. DOUBLE WALL DUCTWORK RUNNING PERPENDICULAR TO THE JOIST GIRDERS SHALL BE ROUTED THROUGH THE JOIST GIRDER WEBBING. COORDINATE WITH GENERAL CONTRACTOR.
20. ROUTE CONDENSATE PIPING DOWN FROM ROOF AT THIS APPROXIMATE LOCATION. ROUTE PIPING DOWN TO FIRST FLOOR CEILING SPACE. REFER TO SHEET M3.02 FOR CONTINUATION.
21. PROVIDE MOTORIZED DUCT MOUNTED OUTSIDE AIR DAMPER AND ACTUATOR WITH CO2 SENSOR AS PER SPECIFICATIONS TO ACHIEVE DEMAND CONTROLLED VENTILATION SEQUENCE. REFER TO DDC CONTROLS SEQUENCES FOR MORE INFORMATION. CONTROLS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY POWER, CONDUITS AND WIRING FOR A COMPLETE AND FUNCTIONAL DCV SYSTEM.
22. PROVIDE DUCT MOUNTED STATIC PRESSURE SENSOR DOWNSTREAM THE DOAS ROOFTOP UNIT SUPPLY AIR DUCTWORK AND INTEGRATE WITH THE VAV OPERATION OF THE DOAS. COORDINATE WITH CONTROLS CONTRACTOR.
23. THIS SPACE TO BE USED IN PHASE II. COORDINATE WITH GENERAL CONTRACTOR.
24. COORDINATE DUCTWORK ROUTING AND AIR DEVICE PLACEMENT WITH STRUCTURAL JOISTS, CROSS BRACING, AND BRIDGING. COORDINATE WITH GENERAL CONTRACTOR.

01 MECHANICAL PLAN (SECOND FLOOR)
SCALE : 1/8" = 1'-0"

NORTH

No.	REVISIONS	BY
1	MAY 18, 2018	
2 ADD	MAY 25, 2018	

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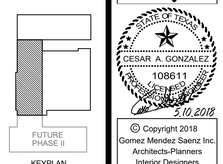

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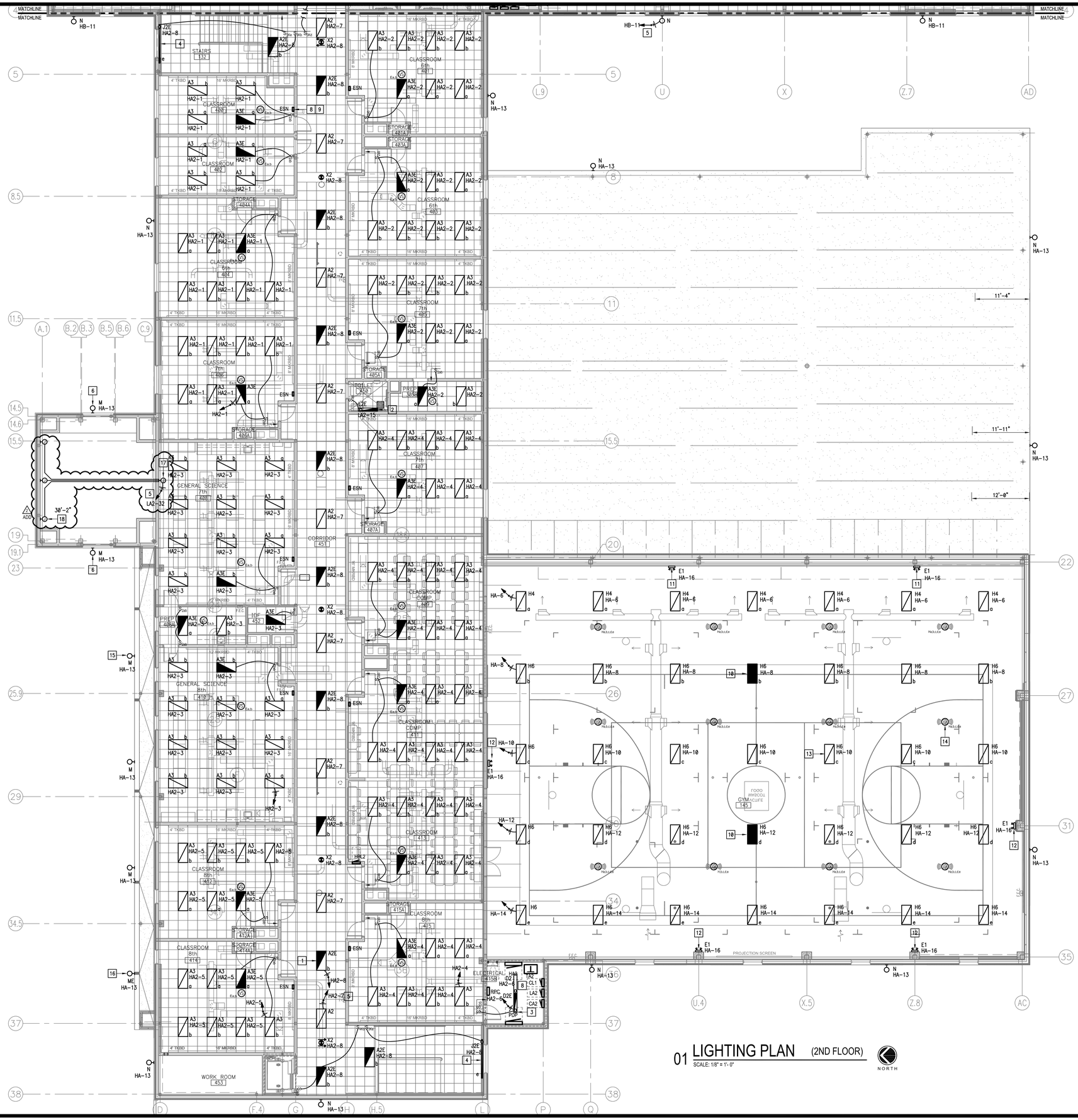
Date:	May 10, 2018
Scale:	As Noted
Project Architect:	David Monreal, AIA
Drawn By:	ETHOS
Job No.	IDEA Robindale Phase I
Sheet:	M3.04



01 LIGHTING PLAN (2ND FLOOR)
SCALE: 1/8" = 1'- 0"

NORTH

GENERAL NOTES:

1. LIGHTING BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/277V HOMERUNS EXCEEDING 200FT THE WIRE SIZE SHALL BE #10 & #8 FOR 275'.
2. INTERIOR LIGHTING CONTROLS SHALL BE BY OCCUPANCY SENSORS.
3. MULTIPLE OCCUPANCY SENSORS CONTROLLING A SINGLE OR MULTIPLE SWITCH SCHEME AND POWER PACKS SHALL BE CONNECTED WITH CLASS II #18 WIRING IN 1/2" RACEWAY.
4. EXTERIOR LIGHTING CONTROLS SHALL BE BY LIGHTING MANAGEMENT PANEL.
5. PROVIDE 0–10V SIGNAL WIRING TO EACH DIMMED LIGHT FIXTURE DRIVER AND WALL SWITCH.
6. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

1. CONNECT EMERGENCY BATTERY PACK TO BE CHARGING AT ALL TIMES (UNSWITCHED). LIGHT FIXTURE SHALL BE OPERATED BY THE CORRESPONDING SWITCH – TYPICAL.
2. MOUNT FIXTURE TYPE "L2E" AT 24" ABOVE MIRROR – TYPICAL.
3. PROVIDE UNISTRUT AND THREADED ROD TO SUSPEND LIGHT FIXTURE AT 9'–0" AFF. COORDINATE INSTALLATION WITH HVAC DUCT WORK.
4. MOUNT FIXTURE TYPE "J2E" AT 15'–4" A.F.F. TO CENTER OF FIXTURE – TYPICAL.
5. VIA CORRESPONDING LIGHTING CONTROL RELAY PANEL.
6. MOUNT LIGHT FIXTURE TYPE "M" AT 15'–4" AFF TO CENTER OF FIXTURE (U.N.O.).
7. MOUNT LIGHT FIXTURE TYPE "N" AT 20'–9" AFF TO CENTER OF FIXTURE (U.N.O.) – TYPICAL.
8. NO DUCTWORK OR PIPING TO BE ROUTED ABOVE PANELBOARDS. COORDINATE WITH OTHER TRADES – TYPICAL.
9. PROVIDE LIGHTING CONTROL PANEL (ESN) 12" ABOVE CEILING. SEE DETAIL 02/E8.05. CONNECT TO NEAREST 277V CIRCUIT – TYPICAL.
10. NIGHT LIGHT TO REMAIN UNSWITCHED.
11. MOUNT FIXTURE TYPE "E1" AT 80" ABOVE TOP OF BLEACHERS.
12. MOUNT FIXTURE TYPE "E1" AT 12'–0" A.F.F. (U.N.O.) TO TOP OF FIXTURE.
13. SEE DETAIL 01/E9.03 FOR MOUNTING.
14. PROVIDE CLASS II #18 WIRING IN 1/2" RACEWAY TO BETWEEN VACANCY SENSORS AND POWER PACKS AS PER MANUFACTURER INSTRUCTION TO OBTAIN SWITCHING SCHEMES AS NOTED.
15. MOUNT LIGHT FIXTURE TYPE "M" AT 13'–4" AFF TO CENTER OF FIXTURE (U.N.O.) – TYPICAL.
16. MOUNT LIGHT FIXTURE TYPE "ME" AT 13'–4" AFF TO CENTER OF FIXTURE (U.N.O.).

ADD 2

17. CONNECT LOGO SIGN POWER SUPPLIES ABOVE CEILING. COORDINATE EXACT LOCATION WITH SIGN CONTRACTOR.
18. PROVIDE J-BOX AND 3/4" RACEWAY ROUTED ABOVE CEILING BACK TO LOGO SIGN POWER SUPPLIES LOCATION. COORDINATE EXACT LOCATIONS WITH SIGN CONTRACTOR PRIOR TO ANY ROUGH-IN. INDICATED HEIGHT IS APPROXIMATE – TYPICAL OF 3.

No.	REVISIONS	BY
1	MAY 18, 2018	
ADD 2	MAY 25, 2018	

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Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No. IDEA Robindale Phase II
Sheet: E3.04

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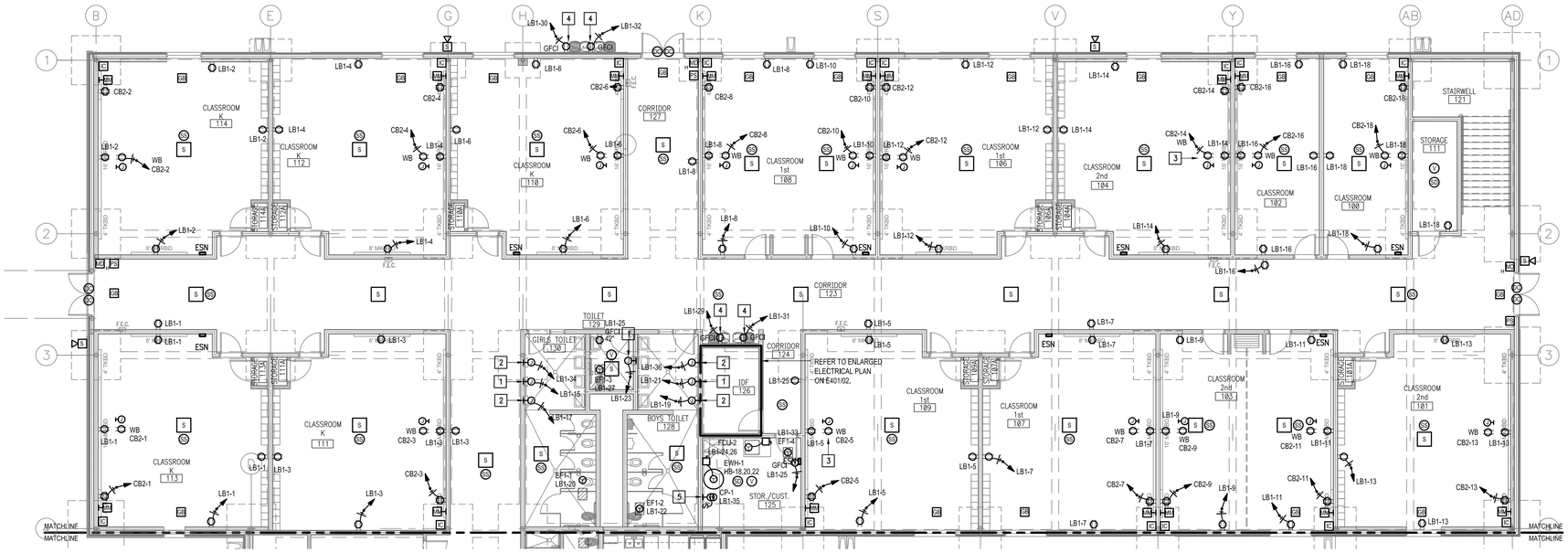
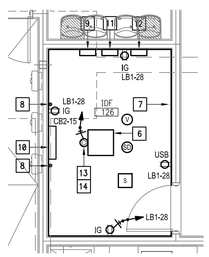


01 ELECTRICAL PLAN (1ST FLOOR)
SCALE: 1/8" = 1'-0"

NORTH



02 ELECTRICAL PLAN (ENLARGED IDF ROOM 126)
SCALE: 1/4" = 1'-0"

NORTH

GENERAL NOTES:

1. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
2. HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND". (ADD)
3. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
4. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM, INTRUSION DETECTION, VOICE, INTERCOM AND DATA CABLING.
5. PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
6. PROVIDE EACH ISOLATED GROUND CIRCUIT HOMERUN WITH A "HOT", DEDICATED NEUTRAL, ISOLATED GROUND (IG) AND A SHARED MECHANICAL GROUND.
7. PROVIDE ISOLATED GROUND (IG) RECEPTACLES WITH 4 INSULATED CONDUCTORS, "HOT", NEUTRAL, ISOLATED GROUND (IG) AND EQUIPMENT GROUND THAT CONNECTS TO THE BOX ENCLOSURE. PROVIDE ISOLATED GROUND CONDUCTOR WITH A YELLOW TRACER.
8. THERE SHALL BE NO SPLICES IN THE ISOLATED GROUND (IG) FEEDING THE (IG) BUSS.
9. PROVIDE 1-2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL CLASSROOMS, RESTROOMS, OFFICES, ETC. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
10. USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.
11. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

1. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" – 2#10 & #10G. MOUNT @ +40" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
2. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" – 2#10 & #10G. MOUNT @ +40" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
3. PROVIDE ELECTRICAL RECEPTACLE FLUSH MOUNTED TO THE WALL ABOVE WHITE BOARD FOR PROJECTOR – TYPICAL. INSTALL OUTLET AND SPECIAL SYSTEMS J-BOX PER MANUFACTURER'S PUBLISHED TEMPLATES – SEE DETAILS.
4. CONNECT ELECTRIC DRINKING FOUNTAIN; BRANCH CIRCUIT: 1/2" – 2#12 & #12G. ROUGH-IN AT 17-7/16" TO CENTER OF J-BOX – TYPICAL. COORDINATE WITH PLUMBING CONTRACTOR.
5. CONNECT VIA CORRESPONDING RELAY PANEL.
6. DATA RACK – PROVIDED BY OWNER.
7. PROVIDE 3/4" X 4', PLYWOOD TELEPHONE/DATA BOARD ON ALL WALLS. FIRE RESISTIVE TREATED (A-0 INT-APA). MOUNT AT 24" AFF.
8. PROVIDE GROUND BUS BAR. REFER TO GROUNDING ELECTRICAL RISER DIAGRAM.
9. PROVIDE INTRUSION DETECTION SYSTEM POWER SUPPLY; BRANCH CIRCUIT: 1/2 – 2#12 & #12G.
10. PROVIDE 6"H X 6"D (WIDTH AS REQUIRED) SURFACE MOUNTED WIREWAY WITH HINGED COVER. ROUTE SPECIAL SYSTEMS RACEWAYS TO THIS LOCATION – SEE SITE PLAN AND DETAIL.
11. PROVIDE FIRE ALARM POWER SUPPLY, BRANCH CIRCUIT: 1/2" – 2-#12 & #12G.
12. PROVIDE INTERCOM SYSTEM SWITCHING MODULES WALL MOUNTED.
13. PENDANT MOUNTED SEE DETAIL, FIELD CONFIRM EXACT LOCATION WITH OWNER/IT SUBCONTRACTOR.
14. PROVIDE SPECIAL RECEP FOR IDF-UPS(NEMA L5-30P); BRANCH CIRCUIT: 3/4" – 2#10 & #10G.

No.	REVISIONS	BY
1	MAY 18, 2018	
1 ADD	MAY 25, 2018	

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LICENSED
PROFESSIONAL ENGINEER
5.10.2018

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Architects-Planners
Interior Designers

Date: May 10, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No. IDEA Robindale Phase I
Sheet: E4.01

GENERAL NOTES:

1. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
2. ADD HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND".
3. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
4. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM, INTRUSION DETECTION, VOICE, INTERCOM AND DATA CABLING.
5. PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
6. PROVIDE EACH ISOLATED GROUND CIRCUIT HOMERUN WITH A "HOT", DEDICATED NEUTRAL, ISOLATED GROUND (IG) AND A SHARED MECHANICAL GROUND.
7. PROVIDE ISOLATED GROUND (IG) RECEPTACLES WITH 4 INSULATED CONDUCTORS, "HOT", NEUTRAL, ISOLATED GROUND (IG) AND EQUIPMENT GROUND THAT CONNECTS TO THE BOX ENCLOSURE. PROVIDE ISOLATED GROUND CONDUCTOR WITH A YELLOW TRACER.
8. THERE SHALL BE NO SPLICES IN THE ISOLATED GROUND (IG) FEEDING THE (IG) BUSS.
9. PROVIDE 1–2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL CLASSROOMS, RESTROOMS, OFFICES, ETC. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
10. USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.
11. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

44 ELEVATOR CONTROLS CONNECTION; BRANCH CIRCUIT: 1/2" RACEWAY – 2#12 & #12G. COORDINATE THE J-BOX EXACT LOCATION WITH THE ELEVATOR SUPPLIER.

45 SEE ARCHITECTURAL DRAWINGS OF THE ELEVATOR PIT/SHAFT FOR THE EXACT LOCATION.

46 CONNECT ELEVATOR SUMP PUMP. COORDINATE SWITCH LOCATION WITH ELEVATOR EQUIPMENT SUPPLIER.

47 ELEVATOR TELEPHONE ROUGH-IN. PROVIDE A J-BOX WITH A 3/4" RACEWAY & PULL WIRE STUBBED NEAR THE TELECOM ROOM. COORDINATE THE J-BOX EXACT LOCATION WITH THE ELEVATOR SUPPLIER.

48 ELEVATOR FIRE ALARM ROUGH-IN. PROVIDE A J-BOX WITH A 3/4" RACEWAY & PULL WIRE STUBBED NEAR THE ELECTRICAL ROOM. COORDINATE THE J-BOX EXACT LOCATION WITH THE ELEVATOR SUPPLIER.

49 ELEVATOR LIGHTING CONNECTION. PROVIDE A 30A, 2PNF, 240 V NEMA 1 DISCONNECT; BRANCH CIRCUIT: 1/2" RACEWAY – 2#12 & #12G.

50 NO DUCTWORK OR PIPING TO BE ROUTED ABOVE ELECTRICAL GEAR. COORDINATE WITH OTHER TRADES – TYPICAL.

51 CONNECT ELEVATOR SERVICE ALERT PANEL PROVIDED BY PLUMBING CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, LA3–44. SIGNAL WIRING TERMINATIONS AND INSTALLATIONS SHALL BE BY ELECTRICAL CONTRACTOR. PROVIDE A 6"X6"X6" NEMA 6XP SUBMERSIBLE J-BOX FOR WIRING IN ELEVATOR PIT. COORDINATE EXACT LOCATION OF ALL COMPONENTS WITH PLUMBER & ELEVATOR EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH-IN.

52 PENDANT MOUNTED SEE DETAIL, FIELD CONFIRM EXACT LOCATION WITH OWNER/IT SUBCONTRACTOR.

KEYED NOTES:

1 PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B–750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" C 2#10 & #10G. MOUNT @ +48" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.

2 PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B–750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" CC 2#10 & #10G. MOUNT @ +48" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.

3 PROVIDE ELECTRICAL OUTLET FLUSH MOUNTED TO THE WALL ABOVE WHITE BOARD FOR PROJECTOR – TYPICAL. INSTALL OUTLET AND SPECIAL SYSTEMS J–BOX PER MANUFACTURERS PUBLISHED TEMPLATES – SEE DETAILS.

4 CONNECT ELECTRIC DRINKING FOUNTAIN; BRANCH CIRCUIT: 1/2" C 2#12 & #12G. ROUGH–IN AT 17–7/16" TO CENTER OF J–BOX. COORDINATE WITH PLUMBING CONTRACTOR. – TYPICAL

5 PROVIDE ASSISTIVE LISTENING TRANSMITTER; MOUNT AT 16' AFF. SHARE CIRCUIT WITH AMPLIFIER. PROVIDE DUPLEX RECEPTACLE 16' AFF.

6 CONNECT INTERCEPTOR SERVICE ALERT PANEL PROVIDED BY PLUMBING CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, LA3–46 PROVIDE A 1/2" RACEWAY FROM SERVICE ALERT PANEL TO SOLID INTERCEPTOR FOR WIRING. COORDINATE EXACT LOCATIONS WITH PLUMBER.

7 CONNECT REFRIGERATOR; BRANCH CIRCUIT: 1/2 C 2#12 & #12G.

8 CONNECT DISH WASHER; BRANCH CIRCUIT: 1/2" C 2#12 & #12G.

9 CONNECT COPY MACHINE; BRANCH CIRCUIT: 1/2" C 2#2 & 12G.

10 PROVIDE SPECIAL RECEPTACLE FOR CLOTHES DRYER (NEMA 10–30R); BRANCH CIRCUIT: 3#10 & #10G.

11 CONNECT CLOTHES WASHER; BRANCH CIRCUIT: 1/2" C 2#12 & #12G.

12 CONNECT FLOW SWITCH; BRANCH CIRCUIT: 1/2" C 2#2 & 12G.

13 CONNECT IRRIGATION CONTROLLER; BRANCH CIRCUIT: 1/2" C 2#12 & #12G

14 3/4" RACEWAY W/ PULLWIRE (SCOREBOARD CONTROLS RACEWAY).

15 1–1/4" RACEWAY W/ PULLWIRE (P.A. SYSTEM RACEWAY).

16 INSTALL DEVICES INSIDE FLUSH MOUNTED FLOORBOX. COORDINATE THE SCORE KEEPERS TABLE EXACT LOCATION PRIOR TO ROUGH–IN (COVER PLATE FLUSH MOUNTED).

17 ATTACH RECEPTACLE FLUSH TO THE CEILING TILE & CONNECT MOTORIZED BACKSTOP. VERIFY POINT OF CONNECTION W/ BACKSTOP SUPPLIER PRIOR TO ROUGH–IN.

18 MOUNT AT 80" ABOVE TOP OF BLEACHERS.

19 TO MOTORIZED BACKBOARD KEYED SWITCH – SEE DETAIL. FURNISHED BY BACKSTOP SUPPLIER; INSTALLED & CONNECTED BY ELECTRICAL CONTRACTOR.

20 TO CONTROL MOTORIZED BACKBOARDS.

21 PROVIDE BACK BOX FOR MOTORIZED PROJECTION SCREEN SWITCH. PROVIDE 1/2" RACEWAY WITH PULLWIRE TO MOTORIZED SCREEN LOCATION.

22 CONNECT MOTORIZED PROJECTION SCREEN BELOW BEAM; BRANCH CIRCUIT: 1/2" C 2#12 & #12G. SEE ARCHITECT DRAWINGS FOR EXACT LOCATION.

23 PROVIDE AN EXTENSION RING ON WIRING DEVICES LOCATED ON THIS WALL TO INSTALL FLUSH MOUNTED WITH PROTECTIVE PADDING.

24 1–1/4" RACEWAY W/ PULLWIRE (DATA). TERNIMATE AT MDF WIREWAY IN ROOM.

25 CONNECT MOTORIZED TELESCOPIC BLEACHERS. COORDINATE EXACT POINT OF CONNECTION AND LOCATION OF SAFETY SWITCH BELOW BLEACHERS WITH EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH–IN. SEE CONNECTION SCHEDULE.

26 PROVIDE FLUSH MOUNTED AMPLIFIER FACING CAFETERIA ROOM SIDE. PROVIDE SINGLE CHANNEL PASSIVE LAPTOP DIRECT BOX, RAPCO HORIZON # LTIBLOX.

27 PROVIDE PENDANT MOUNTED CAFETERIA SPEAKER – TYPICAL.

28 PROVIDE FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE SYSTEM; BRANCH CIRCUIT: 1/2" C 2#12 & #12G, LA1–43. PROVIDE TWO TELEPHONE CONNECTIONS.

29 PROVIDE SLIDE GATES GANGABLE BOXES BELOW KNEE SPACE – SEE DETAIL 05/E9.03.

30 PROVIDE FLUSH MOUNTED AMPLIFIER FACING OFFICE ROOM SIDE. BRANCH CIRCUIT 1/2" C 2 #12 & 1 #12G, LA3–21.

31 CONNECT SHOT CLOCK BELOW BEAM; BRANCH CIRCUIT: 1/2 C 2#12 & #12G. SEE ARCHITECT DRAWINGS FOR EXACT LOCATION.

32 CONNECT SCOREBOARD ABOVE BEAM; BRANCH CIRCUIT: 1/2 C 2#12 & #12G.

33 MOUNT AT 15' AFF. STUB–OUT CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE TO ALLOW FOR CABLING TO MDF/IDF ROOM – TYPICAL.

34 MOUNT AT 88" ABOVE TOP OF BLEACHERS. STUB–OUT CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE TO ALLOW FOR CABLING TO MDF/IDF ROOM.

35 CONNECT BYPASS DAMPER(LABELED "BPD") STEP–DOWN TRANSFORMER TO NEAREST 120V NON–GFCI CIRCUIT. BRANCH CIRCUIT: 1/2" – 2#12 & #12G. BYPASS DAMPER TO BE CONNECTED BY HVAC CONTROLS CONTRACTOR – TYPICAL.

36 PROVIDE 4" DATA RACEWAY ABOVE CEILING (FUTURE PHASE II).

37 DATA RACK – PROVIDED BY OWNER.

38 PROVIDE 3/4" X 4', PLYWOOD TELEPHONE/DATA BOARD ON ALL WALLS. FIRE RESISTIVE TREATED (A–D INT–APA). MOUNT AT 24" AFF.

39 PROVIDE GROUND BUS BAR. REFER TO GROUNDING ELECTRICAL RISER DIAGRAM.

40 PROVIDE INTRUSION DETECTION SYSTEM CONTROL PANEL; BRANCH CIRCUIT: 1/2 – 2#12 & #12G, CA1–26. PROVIDE A WIRELESS COMMUNICATOR.

41 PROVIDE 6"H X 6"D (WIDTH AS REQUIRED) SURFACE MOUNTED WIREWAY WITH HINGED COVER. ROUTE SPECIAL SYSTEMS RACEWAYS TO THIS LOCATION – SEE SITE PLAN AND DETAIL.

42 INSTALL AND CONNECT INTERCOM SYSTEM CARD CAGE ON RACK. RACK PROVIDED BY CONTRACTOR.

43 PROVIDE SPECIAL RECEP FOR IDF–UPS(NEMA L5–30P); BRANCH CIRCUIT: 3/4" – 2#10 & #10G.

REFER TO THE ENLARGED KITCHEN ELECTRICAL PLAN ON E405/01.

REFER TO ENLARGED ELECTRICAL PLAN ON E4.02/03.

REFER TO ENLARGED ELECTRICAL PLAN ON E4.02/04.

REFER TO ENLARGED ELECTRICAL PLAN ON E4.02/02.

01 ELECTRICAL PLAN (1ST FLOOR)

SCALE: 1/8" = 1'-0"

NORTH

02 ELECTRICAL PLAN (ELEVATOR)

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

NORTH

ENLARGED MDF 04 ELECTRICAL PLAN

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

ENLARGED 03 ELECTRICAL PLAN

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

(FIRST FLOOR) (SECOND FLOOR)

FUTURE PHASE II

KEYPLAN

No.	REVISIONS	BY
1	MAY 18, 2018	
ADD 2	MAY 25, 2018	

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IDEA-BROWNSVILLE CAMPUS PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS

STATE OF TEXAS
RAY PEYNADO
125390
LICENSED PROFESSIONAL ENGINEER
5.10.2018

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Architects-Planners
Interior Designers

Date: May 10, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No. IDEA Robindale Phase I
Sheet: E4.02

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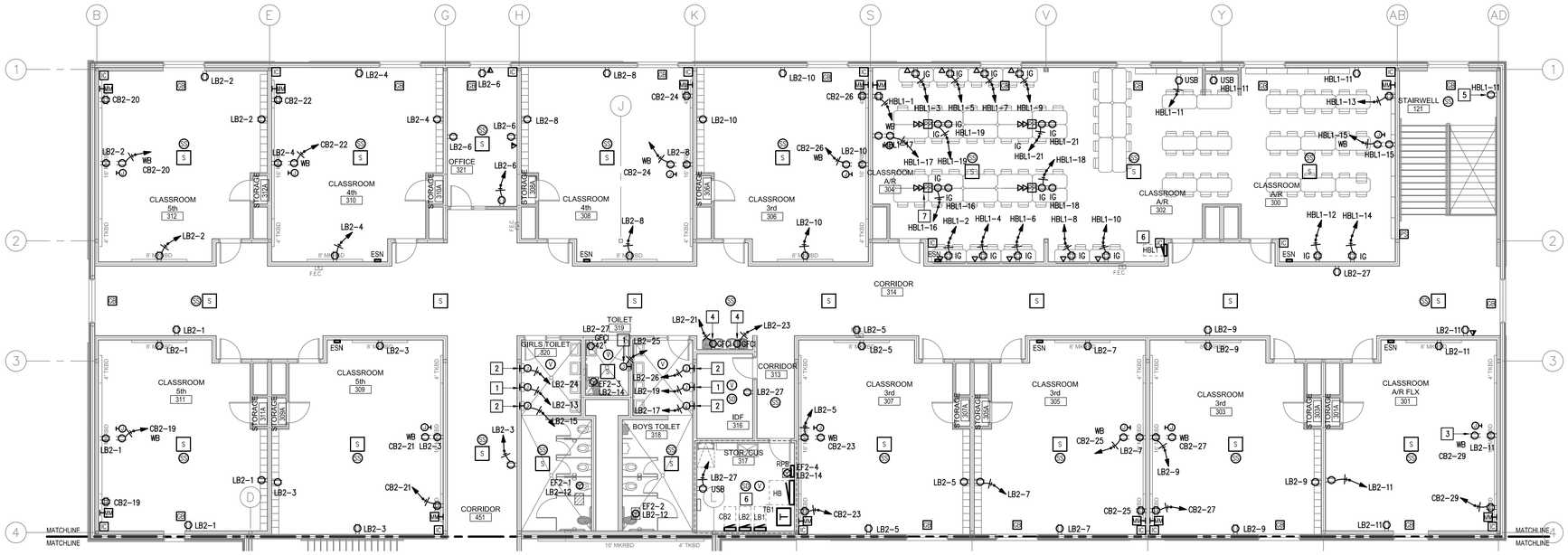

01 ELECTRICAL PLAN (2ND FLOOR)

SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

1. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
2. HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND". (ADD 1)
3. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
4. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM, INTRUSION DETECTION, VOICE, INTERCOM AND DATA CABLING.
5. PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
6. PROVIDE EACH ISOLATED GROUND CIRCUIT HOMERUN WITH A "HOT", DEDICATED NEUTRAL, ISOLATED GROUND (IG) AND A SHARED MECHANICAL GROUND.
7. PROVIDE ISOLATED GROUND (IG) RECEPTACLES WITH 4 INSULATED CONDUCTORS, "HOT", NEUTRAL, ISOLATED GROUND (IG) AND EQUIPMENT GROUND THAT CONNECTS TO THE BOX ENCLOSURE. PROVIDE ISOLATED GROUND CONDUCTOR WITH A YELLOW TRACER.
8. THERE SHALL BE NO SPLICES IN THE ISOLATED GROUND (IG) FEEDING THE (IG) BUSS.
9. PROVIDE 1–2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL CLASSROOMS, RESTROOMS, OFFICES, ETC. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
10. USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.
11. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

1. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" – 2#10 & #10G. MOUNT @ +48" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
2. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" – 2#10 & #10G. MOUNT @ +48" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
3. PROVIDE ELECTRICAL OUTLET FLUSH MOUNTED TO THE WALL ABOVE WHITE BOARD FOR PROJECTOR – TYPICAL. INSTALL OUTLET AND SPECIAL SYSTEMS J-BOX PER MANUFACTURERS PUBLISHED TEMPLATES – SEE DETAILS.
4. CONNECT ELECTRIC DRINKING FOUNTAIN; BRANCH CIRCUIT: 1/2" – 2#12 & #12G. ROUGH-IN AT 17-7/16" TO CENTER OF J-BOX. COORDINATE WITH PLUMBING CONTRACTOR.
5. MOUNTING HEIGHT TO BE FROM TOP OF LANDING.
6. NO DUCTWORK OR PIPING TO BE ROUTED ABOVE ELECTRICAL GEAR. COORDINATE WITH OTHER TRADES – TYPICAL.
7. CONNECT TELE-POWER POLE. TELE-POWER POLE SHALL BE HUBBELL DUAL COMPARTMENT MODEL #SP11001CCXCI. FURNISH WITH (2) IG DUPLEX RECEPTACLES AND (2) OUTLET SPACES FOR COMMUNICATIONS CONNECTORS – TYPICAL.

No.	REVISIONS	BY
1	MAY 18, 2018	
2 ADD	MAY 25, 2018	

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STATE OF TEXAS
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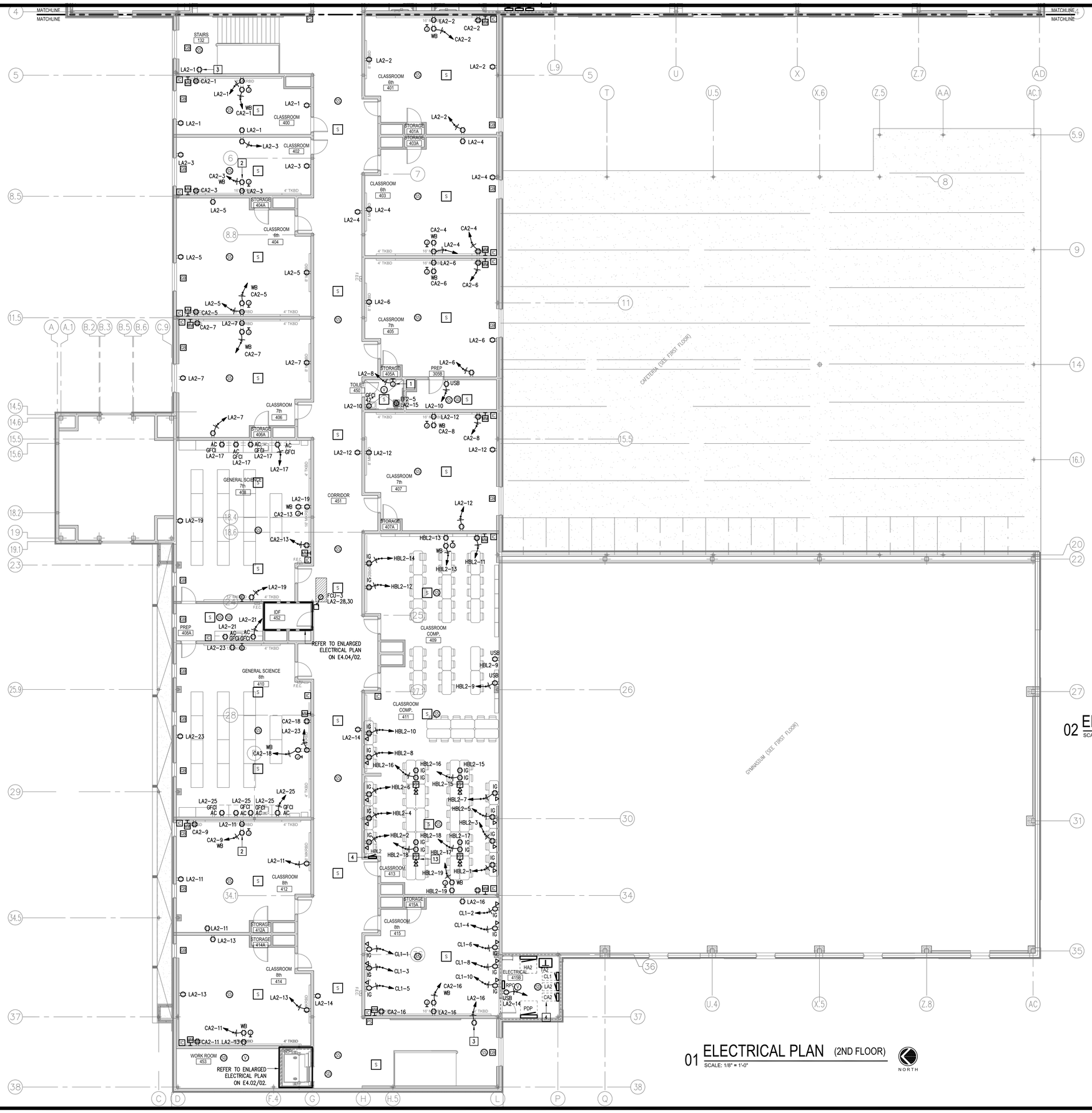
Architects-Planners
Interior Designers

Date: May 10, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No.: IDEA Robindale Phase I
Sheet:

E4.03



01 ELECTRICAL PLAN (2ND FLOOR)
SCALE: 1/8" = 1'-0"

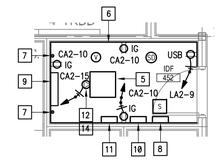
NORTH

GENERAL NOTES:

1. PROVIDE BRANCH CIRCUITS 3/4" – 2#12 & #12G (U.N.O.).
2. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.
3. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
4. HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND". (ADD 1)
5. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
6. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM, INTRUSION DETECTION, VOICE, INTERCOM AND DATA CABLING.
7. PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
8. PROVIDE EACH ISOLATED GROUND CIRCUIT HOMERUN WITH A "HOT", DEDICATED NEUTRAL, ISOLATED GROUND (IG) AND A SHARED MECHANICAL GROUND.
9. PROVIDE ISOLATED GROUND (IG) RECEPTACLES WITH 4 INSULATED CONDUCTORS, "HOT", NEUTRAL, ISOLATED GROUND (IG) AND EQUIPMENT GROUND THAT CONNECTS TO THE BOX ENCLOSURE. PROVIDE ISOLATED GROUND CONDUCTOR WITH A YELLOW TRACER.
10. THERE SHALL BE NO SPLICES IN THE ISOLATED GROUND (IG) FEEDING THE (IG) BUSS.
11. PROVIDE 1–2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL CLASSROOMS, RESTROOMS, OFFICES, ETC. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
12. USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.
11. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

1. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" C 2#10 & #10G. MOUNT @ +40" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
2. PROVIDE ELECTRICAL OUTLET FLUSH MOUNTED TO THE WALL ABOVE WHITE BOARD FOR PROJECTOR – TYPICAL. INSTALL OUTLET AND SPECIAL SYSTEMS J-BOX PER MANUFACTURERS PUBLISHED TEMPLATES – SEE DETAILS.
3. MOUNTING HEIGHT TO BE FROM TOP OF LANDING.
4. NO DUCTWORK OR PIPING TO BE ROUTED ABOVE ELECTRICAL GEAR. COORDINATE WITH OTHER TRADES – TYPICAL.
5. DATA RACK – PROVIDED BY OWNER.
6. PROVIDE 3/4" X 4', PLYWOOD TELEPHONE/DATA BOARD ON ALL WALLS. FIRE RESISTIVE TREATED (A-D INT-APA). MOUNT AT 24" AFF.
7. PROVIDE GROUND BUS BAR. REFER TO GROUNDING ELECTRICAL RISER DIAGRAM.
8. PROVIDE INTRUSION DETECTION SYSTEM POWER SUPPLY; BRANCH CIRCUIT: 1/2 – 2#12 & #12G.
9. PROVIDE 6"H X 6"D (WIDTH AS REQUIRED) SURFACE MOUNTED WIREWAY WITH HINGED COVER. ROUTE SPECIAL SYSTEMS RACEWAYS TO THIS LOCATION – SEE SITE PLAN AND DETAIL.
10. PROVIDE FIRE ALARM POWER SUPPLY, BRANCH CIRCUIT: 1/2" – 2-#12 & #12G.
11. PROVIDE INTERCOM SYSTEM SWITCHING MODULES WALL MOUNTED.
12. PROVIDE SPECIAL RECEPTACLE FOR IDF-UPS(NEMA L5-30P); BRANCH CIRCUIT: 3/4" – 2#10 & #10G.
13. CONNECT TELE-POWER POLE. TELE-POWER POLE SHALL BE HUBBELL DUAL COMPARTMENT MODEL #SP11001CCXCL. FURNISH WITH (2) IG DUPLEX RECEPTACLES AND (2) OUTLET SPACES FOR COMMUNICATIONS CONNECTORS – TYPICAL.
14. PENDANT MOUNTED SEE DETAIL, FIELD CONFIRM EXACT LOCATION WITH OWNER/IT SUBCONTRACTOR.



02 ELECTRICAL PLAN (ENLARGED IDF ROOM 242)
SCALE: 1/4" = 1'-0"

NORTH

FUTURE PHASE II

KEYPLAN

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No.	REVISIONS	BY
1	MAY 18, 2018	
2 ADD	MAY 25, 2018	

IDEA-BROWNSVILLE PHASE I
IDEA Public Schools
BROWNSVILLE, TEXAS

STATE OF TEXAS
RAY PEYNADO
125390
LICENSED PROFESSIONAL ENGINEER
5.10.2018

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Interior Designers

Date:	May 10, 2018
Scale:	As Noted
Project Architect:	David Monreal, AIA
Drawn By:	ETHOS
Job No.	IDEA Robéndale Phase I
Sheet:	E4.04

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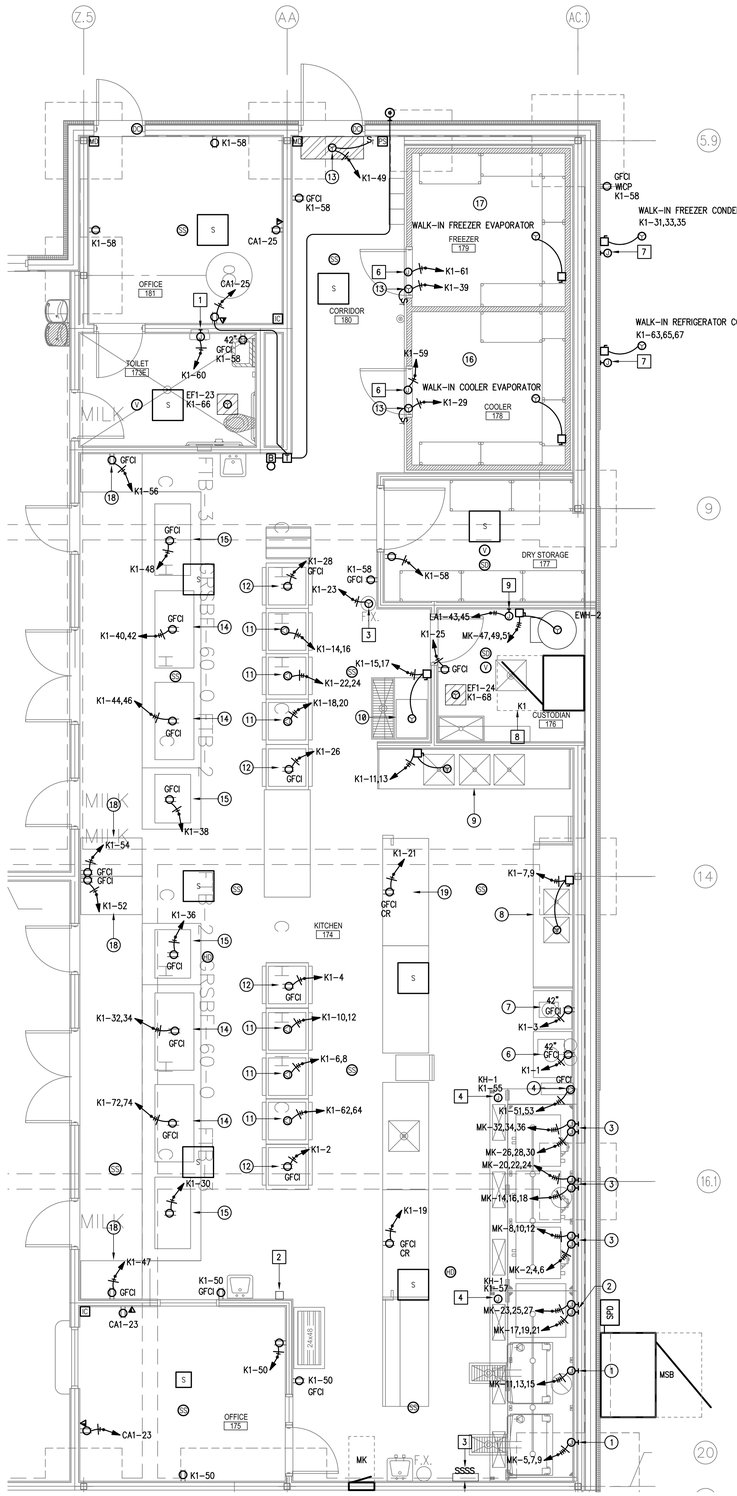
FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE:

ITEM #	ITEM DESCRIPTION	LOAD	VOLTAGE	CONNECTION REQUIRED	BRANCH CIRCUIT
1	40 GAL. BRAISER (2)	12 KW	480V/3PH/60HZ	PROVIDE A HARDWIRE CONNECTION. INSTALL WALL MOUNTED AT 24"AFF.	3/4" – 4#12 & #12G
2	COMBI OVEN/STEAMER (1)	24 KW	480V/3PH/60HZ	PROVIDE J-BOX IN WALL AT 18"AFF BRANCH TO CONNECTION ON EQUIPMENT. FIELD COORDINATE MOUNTING HEIGHT.	3/4" – 4#8 & #10G
3	DBL. DECK CONV. OVEN (3)	12.5KW EA.	480V/3PH/60HZ TWO CONNECTIONS	PROVIDE (2) J-BOXES IN WALL AT (1)– 18"AFF & (1)– 36"AFF BRANCH TO CONNECTION ON EQUIPMENT. FIELD COORDINATE MOUNTING HEIGHT.	3/4" – 4#12 & #12G EACH
4	HOT WATER DISPENSER (1)	5KW	208V/1PH/60HZ	PROVIDE A L6-30R RECEPTACLE. INSTALL WALL MOUNTED.	3/4" – 3#10 & #10G
5	KITCHEN EXHAUST HOOD (2)	2HP KEF-1 1.5HP KSF-1	480V/3PH/60HZ 480V/3PH/60HZ PROVIDE INTERLOCK WIRING BETWEEN FANS AND SUPPLY FAN AND CONTROLS PANELS. MAGNETIC STARTERS FURNISHED BY DIV. 23.	KEF-1 CONNECT TO INTEGRAL DISCONNECT KSF-1 CONNECT TO INTEGRAL DISCONNECT	3/4" – 3#12 & #12G 3/4" – 3#12 & #12G
6	MEAT SLICER (1)	.6 KW	208V/1PH/60HZ	PROVIDE A 20A DUPLEX RECEPTACLE WALL MOUNTED.	3/4" – 3#12 & #12G
7	VEGGIE ROBOT COUPE (1)	.9 KW	120V/1PH/60HZ	PROVIDE A 20A DUPLEX RECEPTACLE WITH CORD REEL. INSTALL CEILING MOUNTED. SEE DETAIL.	3/4" – 2#12 & #12G
8	2-COMPARTMENT SINK W/DISPOSAL (1)	1.5HP	208V/3PH/60HZ	PROVIDE A 30A, 3PNF, 240V, NEMA 4X SS DISCONNECT. INSTALL AT 18"AFF. CONNECT SOLENOID VALVE AND CONTROL SWITCH.	3/4" – 3#12 & #12G
9	3-COMPARTMENT SINK W/DISPOSAL (1)	1.5HP	208V/3PH/60HZ	PROVIDE A 30A, 3PNF, 240V, NEMA 4X SS DISCONNECT. INSTALL AT 18"AFF. CONNECT SOLENOID VALVE AND CONTROL SWITCH.	3/4" – 3#12 & #12G
10	ICE MACHINE (1)	2.5KW	208V/1PH/60HZ	PROVIDE A 30A, 2PNF, 240V, NEMA 4X SS DISCONNECT. INSTALL WALL MOUNTED AT +48" A.F.F.	3/4" – 3#12 & #12G
11	HOT FOOD PASS THRU CABINET (6)	1.5KW	208V/1PH/60HZ	PROVIDE A L14-20R RECEPTACLE. INSTALL PENDANT MOUNTED. SEE DETAIL.	3/4" – 3#12 & #12G
12	PASS THRU REFRIGERATOR (4)	1.3KW	120V/1PH/60HZ	PROVIDE A 20A DUPLEX RECEPTACLE. INSTALL PENDANT MOUNTED. SEE DETAIL.	3/4" – 2#12 & #12G
13	AIR CURTAIN (3)	1.2KW	120V/1PH/60HZ	PROVIDE THERMAL SWITCH AT 8'–0"AFF.	3/4" – 2#12 & #12G
14	HOT FOOD SERVING UNIT (4)	.9KW	120V/1PH/60HZ	PROVIDE A 30A SPECIAL RECEPTACLE. INSTALL PEDESTAL MOUNTED. SEE DETAIL.	3/4" – 3#10 & #10G
15	FROST TOP SERVING UNIT (4)	6.7A	208V/1PH/60HZ	PROVIDE A 20A DUPLEX RECEPTACLE. INSTALL PEDESTAL MOUNTED. SEE DETAIL.	3/4" – 2#12 & #12G
16	WALK-IN REFRIGERATOR EVAPORATOR (1) WALK-IN REFRIGERATOR CONDENSER (1)	1.0A 8.3A	208V/1PH/60HZ 208V/3PH/60HZ	PROVIDE A 30A, 2PNF, 240V, NEMA 4X SS DISCONNECT. COORDINATE LOCATION WITH SUPPLIER. POWER AND CONTROL CIRCUIT OBTAINED FROM CONDENSER. PROVIDE A 30A, 3PNF, 240V, NEMA 4X SS DISCONNECT. INSTALL WALL MOUNTED. PROVIDE POWER AND CONTROL CIRCUIT TO EVAPORATOR.	3/4" – 2#12 & #12G 3/4" – 3#12 & #12G
17	WALK-IN FREEZER EVAPORATOR (1) WALK-IN FREEZER CONDENSER (1)	8.2A 14.8A	208V/1PH/60HZ 208V/3PH/60HZ	PROVIDE A 30A, 2PNF, 240V, NEMA 4X SS DISCONNECT. COORDINATE LOCATION WITH SUPPLIER. POWER AND CONTROL CIRCUIT OBTAINED FROM CONDENSER. PROVIDE A 30A, 3PNF, 240V, NEMA 4X SS DISCONNECT. INSTALL WALL MOUNTED. PROVIDE POWER AND CONTROL CIRCUIT TO EVAPORATOR.	3/4" – 2#12 & #12G 3/4" – 3#12 & #12G
18	MILK COOLER (2)	.6KW	120V/1PH/60HZ	PROVIDE 20A DUPLEX RECEPTACLE. INSTALL WALL MOUNTED. SEE DETAIL.	3/4" – 2#12 & #12G
19	CAN OPENER (2)	.2KW	120V/1PH/60HZ	PROVIDE 20A DUPLEX RECEPTACLE. INSTALL PENDANT MOUNTED. SEE DETAIL.	3/4" – 2#12 & #12G

NOTES:

1.) 48" AFF INDICATES TO TOP OF DEVICE;
18" AFF INDICATES TO TOP OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
NOTE: VERIFY ELECTRICAL REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.



01 ELECTRICAL PLAN (ENLARGED KITCHEN ROOM 148)
SCALE: 1/4" = 1'-0"

NORTH

GENERAL NOTES:

1. HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS.
2. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.
3. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" – 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
4. ADD HOMERUNS – INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND".
5. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
6. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM, INTRUSION DETECTION, VOICE, INTERCOM AND DATA CABLING.
7. PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
8. PROVIDE 1–2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL CLASSROOMS, RESTROOMS, OFFICES, ETC. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
9. USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.
10. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.

KEYED NOTES:

1. PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK: B–750 (NO SUBSTITUTIONS). BRANCH CIRCUIT: 3/4" RACEWAY – 2#10 & #10G. MOUNT AT +48" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
2. PROVIDE JUNCTION BOX FOR FIRE SUPPRESSION SYSTEM 120/1Ø/10A ABOVE CEILING; BRANCH CIRCUIT: 3/4" – 2#12 & #12G. COORDINATE WITH FIRE SUPPRESSION SYSTEM CONTRACTOR FOR ALL REQUIREMENTS AND FINAL LOCATIONS. PROVIDE RECESSED MOUNTED OCTAGON J-BOX AND 3/4" RACEWAY FOR PULL STATION AT 48"AFF. FIRE SUPPRESSION SYSTEM IS TO BE INTERCONNECTED TO BUILDING FIRE ALARM SYSTEM.
3. TO CONTROL KITCHEN HOODS FANS AND LIGHTS.
4. CONNECT KITCHEN HOOD LIGHTS; BRANCH CIRCUIT: 3/4" – 2#12 & #12G.
5. CONNECT KITCHEN HOOD CONTROL PANEL.
6. CONNECT COOLER/FREEZER LIGHTS, DOOR HEATER AND PRESSURE RELIEF PORT; BRANCH CIRCUIT: 3/4" – 2#12 & #12G.
7. PROVIDE WEATHERPROOF J-BOX AND 3/4" RACEWAY WITH PULLWIRE BACK TO THE COOLER & FREEZER LOCATION. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
8. NO DUCTWORK OR PIPING TO BE ROUTED ABOVE ELECTRICAL GEAR. COORDINATE WITH OTHER TRADES – TYPICAL.
9. CONNECT HEAT TRACE CABLE; CONNECT VIA LIGHTING CONTROL PANEL.

No.	REVISIONS	BY
1	MAY 18, 2018	
2 ADD	MAY 25, 2018	

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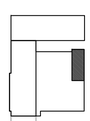

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Architects-Planners
Interior Designers

Date: May 10, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No. IDEA Robindale Phase I
Sheet:

E4.05

EQUIPMENT CONNECTION SCHEDULE:

DESIGN	HP/KW	FLA	MCA	MOCP	VOLTAGE	DISCONNECT	BRANCH CIRCUIT
RTU-A-(RM #)	–	–	13	15	480V/3PHASE	(1) NONE.	1/2" – 3#12 & #12G
RTU-B-(RM #)	–	–	18	20	480V/3PHASE	(1) NONE.	1/2" – 3#12 & #12G
RTU-C-(RM #)	–	–	18	20	480V/3PHASE	(1) NONE.	1/2" – 3#12 & #12G
RTU-D-(RM #)	–	–	104	110	480V/3PHASE	200A, 3PNF, 600V, NEMA 3R.	1.25" – 3#2 & #6G
RTU-E-(RM #)	–	–	26	30	480V/3PHASE	(1) NONE.	3/4" – 3#10 & #10G
RTU-F-(RM #)	–	–	23	25	480V/3PHASE	(1) NONE.	3/4" – 3#10 & #10G
RTU-G-(RM #)	–	–	104	110	480V/3PHASE	200A, 3PNF, 600V, NEMA 3R.	1.25" – 3#2 & #6G
RTU-H-(RM #)	–	–	49.8	50	480V/3PHASE	60A, 3PNF, 600V, NEMA 3R.	3/4" – 3#8 & #10G
RTU-OA1	–	–	64	80	480V/3PHASE	100A, 3PNF, 600V, NEMA 3R.	1.25" – 3#4 & #8G
RTU-OA2	–	–	64	80	480V/3PHASE	100A, 3PNF, 600V, NEMA 3R.	1.25" – 3#4 & #8G
RTU-OA3	–	–	64	80	480V/3PHASE	100A, 3PNF, 600V, NEMA 3R.	1.25" – 3#4 & #8G
RTU-OA4	–	–	64	80	480V/3PHASE	100A, 3PNF, 600V, NEMA 3R.	1.25" – 3#4 & #8G
RTU-OA5	–	–	45	60	480V/3PHASE	60A, 3PNF, 600V, NEMA 3R.	1" – 3#6 & #10G
FCU-1	1/2 HP	–	5	15	208V/1PHASE	30A, 2PNF, 240V, NEMA 1.	1/2" – 2#12 & #12G
ACCU-1	–	–	12.4	20	208V/1PHASE	30A, 2PNF, 240V, NEMA 3R.	1/2" – 2#12 & #12G
FCU-2	1/2 HP	–	5	15	208V/1PHASE	30A, 2PNF, 240V, NEMA 1.	1/2" – 2#12 & #12G
ACCU-2	–	–	12.4	20	208V/1PHASE	30A, 2PNF, 240V, NEMA 3R.	1/2" – 2#12 & #12G
FCU-3	1/2 HP	–	5	15	208V/1PHASE	30A, 2PNF, 240V, NEMA 1.	1/2" – 2#12 & #12G
ACCU-3	–	–	12.4	20	208V/1PHASE	30A, 2PNF, 240V, NEMA 3R.	1/2" – 2#12 & #12G
EWH-1	24 KW	28.9	–	40	480V/3PHASE	60A, 3PNF, 600V, NEMA 1.	3/4" – 3#8 & #10G
EWH-2	54 KW	64.9	–	80	480V/3PHASE	100A, 3PNF, 600V, NEMA 1.	1.25" – 3#4 & #8G
CP-1	1/12 HP	–	–	20	120V/1PHASE	(3) THERMAL SWITCH.	1/2" – 2#12 & #12G
TELESCOPIC BLEACHER	2-1/2 HP	5.4	–	20	208V/3PHASE	30A, 3PNF, 240V, S/N, NEMA 1.	1/2" – 4#12 & #12G
SUMP PUMP	1/3HP	7.2	–	20	120V/1PHASE	(3) THERMAL SWITCH.	1/2" – 2#12 & #12G
ELEVATOR	30 HP	41.0	50	100	480V/3PHASE	(2) BUSSMANN POWER MODULE SWITCH.	1.25" – 4#3 & #3G
ALTERNATE #4							
BP-1 (BOOSTER PUMP)	3 HP	9.6	–	30	480V/3PHASE	30A, 3PNF, 600V, NEMA 1.	3/4" – 3#10 & #10G

(1) MEANS OF DISCONNECT IS THE CIRCUIT BREAKER (WITHIN SIGHT).

(2) BUSSMAN: PS1, RATED FOR 100A, SHUNT TRIP, CONTROL POWER TRANSFORMER, FIRE SAFETY INTERFACE, KEY TO TEST SWITCH, PILOT LIGHT, MECHANICAL INTERLOCK AUXILIARY CONTACT, PHASE FAILURE/UNDER VOLTAGE RELAY, NEMA 1 ENCLOSURE.

(3) EATON MANUAL STARTER "MS" SERIES.

NOTE: LOCATE EQUIPMENT MEANS OF DISCONNECT WITHIN EQUIPMENT SIGHT. DO NOT INSTALL ON EQUIPMENT, BELOW DUCTWORK OR PLUMBING LINES.

EXHAUST FAN CONNECTION SCHEDULE:

DESIGNATION	HP/WATTS	FLA	VOLTAGE	CONNECTION FOR EACH	BRANCH CIRCUIT
EF1-1	190 W	1.6	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF1-2	190 W	1.6	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF1-3	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-4	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-5	54.5 W	0.5	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-6	57.3 W	0.5	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-7	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-8	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-9	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-10	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-11	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-12	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-13	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-14	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-15	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-16	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-17	195 W	0.2	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF1-18	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-19	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-20	195 W	0.2	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF1-21	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-22	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-23	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF1-24	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF2-1	195 W	1.6	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF2-2	195 W	1.6	120V/1PHASE	CONNECT AT CEILING. INTERLOCKING BY HVAC CONTROLS CONTR.	1/2" – 2#12 & #12G
EF2-3	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF2-4	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G
EF2-5	34.4 W	0.3	120V/1PHASE	CONNECT AT CEILING. SWITCH VIA OCCUPANCY SENSOR.	1/2" – 2#12 & #12G

LUMINAIRE SCHEDULE

CALLOUT	LAMP	DESCRIPTION	DRIVER	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTES	LUMENS
A2	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 40L EZ1 LP840 LSI: LPASC24 LED 40L UNV DIM1 40 U	34	277V 1P 2W		4032
A2E	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 40L EZ1 LP840 EL14L LSI:LPASC24 LED 40L UNV DIM1 40 EM U	34	120V 1P 2W 277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	4032
A3	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 48L EZ1 LP840 LSI:LPASC24 LED 48L UNV DIM1 40 U	45	277V 1P 2W		5234
A3E	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 48L EZ1 LP840 EL14L LSI:LPASC24 LED 48L UNV DIM1 40 EM U	45	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	5234
B2	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 40L EZ1 LP840 LSI: LPEC24 LED HO NW UE	34	277V 1P 2W	PROVIDE LAMPS CENTER MOUNTED.	4032
B2E	LED	2'X4' LAY-IN INDIRECT TROFFER	0-10V	RECESSED	LITHONIA: 2BLT4 40L EZ1 LP840 EL14L LSI: LPEC24 LED HO NW UE EM	34	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	4032
C1	LED	6" LENSED DOWN LIGHT	0-10V	CEILING	LITHONIA: LDN6 35/05 LO6AR 277 VANTAGE: A6VACLED 2 07 35 C601 SCL MD WHT	12	120V 1P 2W 277V 1P 2W		662
D2	LED	4' WRAPAROUND	0-10V	CHAIN/SURFACE	LITHONIA: SBL 40L EZ1 LP840 LSI: NA10 LED SS NW UE	32	277V 1P 2W		3994
D2E	LED	4' WRAPAROUND	0-10V	CHAIN/SURFACE	LITHONIA: SBL4 40L EZ1 EL14L LP840 LSI: NA10 LED SS NW UE EM	32	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	3994
E1	INC.	EMERGENCY LIGHTING UNIT		WALL	LITHONIA: IND12100 W H5012S SEL ELA WG2M MULE: NM4 12 100 2 12V(SBH) SD NC TD	20	277V 1P 2W	PROVIDE WITH A WIREGUARD, SELF-DIAGNOSTICS, LOAD DISCONNECT, & TIME DELAY.	2950
F2E	LED	4' WRAPAROUND	0-10V	SURFACE	KENALL: MLHA8 48 F MW PP 45L40K DV LEL LUMINAIRE LED: VPF84-50W-4000K-120-277-CP-GRY-DIM-EMB310ST	45	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	5072
F3	LED	24" X 48" SEALED LAY-IN TROFFER	0-10V	RECESSED	LITHONIA: 2GTL F4 48L FN PCL12187 SWL EZ1 ABC LP840 LSI: 2T GA24 LED SS NW UE TG PC187	47	277V 1P 2W	PROVIDE WITH .187" POLYCARBONATE DIFFUSER AND WITH AN ALUMINUM DOOR & ADDITIONAL GASKETING.	2950
F3E	LED	24" X 48" SEALED LAY-IN TROFFER	0-10V	RECESSED	LITHONIA: 2GTL F4 48L FN PCL12187 SWL EZ1 EL14L ABC LP840 LSI: 2T GA24 LED SS NW UE TG EM PC187	47	277V 1P 2W	PROVIDE WITH .187" POLYCARBONATE DIFFUSER AND WITH AN ALUMINUM DOOR & ADDITIONAL GASKETING.	2950
ADD 2 FP	LED	FLOOD LIGHT	0-10V	SURFACE	LITHONIA: DSXF1 LED-2-A530/40K-MFL-MVOLT-DSXF1/2TS-AFTM-AFTMB LSI: XFLM NF LED 28 HO NW UE PLP	37	277V 1P 2W	PROVIDE FIXTURE U.L. LISTED FOR WET LOCATION WITH TENON AND BULLHORN. STANDARD COLOR FINISH TO BE SELECTED AT A LATER DATE.	0
G2	LED	2'X4' FLANGED TROFFER	0-10V	RECESSED	LITHONIA: 2GLT F 4 40L GZ1 LP840 LSI: GA24 LED SS NW UE FK24	39	277V 1P 2W		4290
G2E	LED	2'X4' FLANGED TROFFER	0-10V	RECESSED	LITHONIA: 2GLT F 4 40L GZ1 LP840 EL14L LSI: GA24 LED SS NW UE EM FK24	39	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	4290
H3	LED	24" X 48" HIGH BAY	0-10V	SURFACE	LITHONIA: IBH 15000LM SEF PFL GND MVOLT OZ10 40K 80CRI DWH GE: ABV2 0 18 T 48 9D Q V ST K Q W	137	277V 1P 2W	PROVIDE WITH A .125 POLYCARB LENS AND A WIRE GUARD.	14218
H3E	LED	24" X 48" HIGH BAY	0-10V	SURFACE	LITHONIA: IBH 15000LM SEF PFL GND MVOLT OZ10 40K 80CRI PS10250 DWH GE: ABV2 0 18 T 48 9D Q V ST K Q W EL5	137	277V 1P 2W	PROVIDE WITH A .125 POLYCARB LENS AND A WIRE GUARD.	14218
H4	LED	24" X 48" HIGH BAY	0-10V	SURFACE	LITHONIA: IBH 15000LM SEF PFL GND MVOLT OZ10 40K 80CRI DWH WGIBG24 GE: ABV2 0 18 T 48 9D Q V ST K Q W	137	277V 1P 2W	PROVIDE WITH A .125 POLYCARB LENS AND A WIRE GUARD.	14218
H6	LED	24" X 48" HIGH BAY	0-10V	SURFACE	LITHONIA: IBH 24000LM SEF PFL GND MVOLT OZ10 40K 80CRI DWH WGIBG24 GE: ABV2 0 24 T 48 9D Q V ST K Q W	137	277V 1P 2W	PROVIDE WITH A .125 POLYCARB LENS AND A WIRE GUARD.	23643
J2E	LED	8' LINEAR	0-10V	RECESSED	FINELITE: HP4R-H-80-40-F-277V-SC-VF FORCAST: SRT-44-FG-95-40K-8-UNV-WH-EMLED	56	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	5808
K1	(2) XENON	EMERGENCY LIGHTING UNIT		WALL	LITHONIA: AFN _ X PREM MULE LIGHTING: MAKO-3 X SD	2	277V 1P 2W	PROVIDE WITH A NI-CAD BATTERY PACK & SELF DIAGNOSTICS. STANDARD FINISH TO BE SELECTED AT A LATER DATE.	0
L2	LED	WALL BRACKET	0-10V	WALL	LITHONIA, WL4 40L SLD LP840 LSI: W44 4 HO NW UE	40	277V 1P 2W		2950
L2E	LED	WALL BRACKET	0-10V	WALL	LITHONIA, WL4 40L SLD LP840 EL7L LSI: W44 4 HO NW UE EM	40	120V 1P 2W 277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	2950
M	LED	WALLPACK	0-10V	SURFACE	LITHONIA: WSR LED 1 10A700/40K SR4 MVOLT X RAYON: T650LED DL 30 UN112 40 WT	22	277V 1P 2W	PROVIDE UL LISTED FOR WET LOCATIONS.	2655
ME	LED	WALLPACK	0-10V	SURFACE	LITHONIA: WSR LED 1 10A700/40K SR4 MVOLT ELCW X RAYON: T650LED DL 30 UN112 40 WT EM	22	277V 1P 2W	PROVIDE UL LISTED FOR WET LOCATIONS AND WITH AN EMERGENCY BATTERY PACK. STANDARD COLOR FINISH TO BE SELECTED AT A LATER DATE.	2655
N	LED	WALLPACK	0-10V	SURFACE	LITHONIA: WSR LED 2 10A700/40K SR4 MVOLT X RAYON: T650LED DL 45 UN112 40 WT MTO	45	277V 1P 2W	PROVIDE UL LISTED FOR WET LOCATIONS. STANDARD COLOR FINISH TO BE SELECTED AT A LATER DATE.	3404
P1	LED	ARCHITECTURAL AREA LUMINAIRE	0-10V	POLE	LITHONIA: DSX1 LED 60C 1000 40K T5W 480 RPA PIRH/ KW: RTAP308.0-7-X-DMX-BC-VD LSI: XALM-5W-LED-HO-40-UE	209	480V 2P 2W	PROVIDE FIXTURE UL LISTED FOR WET LOCATIONS AND WITH A MOTION SENSOR. POLE SHALL BE 30 FOOT ROUND TAPERED ALUMINUM (CUT TO 27') & RATED FOR 120MPH WINDS. PROVIDE POLE WITH A VIBRATION DAMPER. STANDARD COLOR FINISH TO BE SELECTED AT A LATER DATE.	25014
P2	LED	ARCHITECTURAL AREA LUMINAIRE	0-10V	POLE	LITHONIA: DSX1 LED 60C 1000 40K T3M 480 RPA PIRH/ KW: RTAP308.0-7-X-DMX-BC-VD LSI:XALM 3 LED HO 40 UE	209	480V 2P 2W	PROVIDE FIXTURE UL LISTED FOR WET LOCATIONS AND WITH A MOTION SENSOR. POLE SHALL BE 30 FOOT ROUND TAPERED ALUMINUM (CUT TO 27') & RATED FOR 120MPH WINDS. PROVIDE POLE WITH A VIBRATION DAMPER. STANDARD COLOR FINISH TO BE SELECTED AT A LATER DATE.	20295
Q	LED	DECORATIVE PENDANT	0-10V	PENDANT	TO BE SELECTED AT A LATER DATE.	290	277V 1P 2W	PROVIDE AN ALLOWANCE OF $12,000 FOR THE PURCHASE OF THIS FIXTURE.	29580
R	LED	4" LINEAR LUMINAIRE	0-10V	RECESSED	FINELITE: HP-4 R-4'-B-840-F-277-SC-VF CORONET: LRS4-4-4-40-LTG1-UNV-DB-E-NT-SD	19	120V 1P 2W		1916
S	LED	SURFACE CORNER MOUNT	DRIVER	SURFACE	KENALL: MLHA8-48-R-LG-PP-45L40K-DCC-277-CMB	45	277V 1P 2W	PROVIDE CORNER MOUNT BRACKET.	5072
X1	LED	SINGLE SIDED EXIT SIGN		WALL/CEILING	BEGHELLI: FTZ-SA-LR1-UWW MULE LIGHTING: WLCX-1-R-W-U-SD	3	277V 1P 2W	PROVIDE WITH A UNIVERSAL MOUNTING CANOPY, LIGHT EMITTING DIODES, & A NI-CAD BATTERY PACK.	0
X2	LED	DOUBLE SIDED EXIT SIGN		WALL/CEILING	BEGHELLI: FTZ-SA-LR2-UWW MULE LIGHTING: WLCX-2-R-W-U-SD	5	277V 1P 2W	PROVIDE WITH A UNIVERSAL MOUNTING CANOPY, LIGHT EMITTING DIODES, & A NI-CAD BATTERY PACK.	0

GENERAL NOTES:
1. OTHER LIGHT FIXTURE AND BALLAST MANUFACTURERS THAN THOSE LISTED ON THIS SCHEDULE ARE REQUIRED TO OBTAIN PRIOR APPROVAL BY SUBMITTING CUT SHEETS OF THEIR SUBSTITUTIONS AT LEAST (10) DAYS PRIOR TO BID. CUT SHEETS SHALL INDICATE/HIGHLIGHT PHOTOMETRIC CURVE, EFFICIENCY & CONSTRUCTION FOR DIRECT COMPARISON WITH SPECIFIED FIXTURES AND BALLAST.
2. EXTRA MATERIALS: SEE SPECIFCATIONS.
3. EMERGENCY BATTERY PACKS SHALL BE COMPLETE FACTORY INSTALLED WITH NI-CAD BATTERY, CHARGER INDICATING LIGHT, ELECTRONIC CIRCUITRY, 1400 LUMENS OUTPUT, 90 MINUTES DURATION & FIVE FULL YEARS WARRANTY.
4. FURNISH ALL 2' X 4' LAY-IN LIGHT FIXTURES WITH INTEGRAL CEILING CLIPS.

No.	REVISIONS	BY
1	MAY 18, 2018	
ADD 2	MAY 25, 2018	

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IDEA-BROWNSVILLE ROBINDALE CAMPUS PHASE I

IDEA Public Schools BROWNSVILLE, TEXAS

STATE OF TEXAS
RAY PEYNADO
125390
LICENSED PROFESSIONAL ENGINEER
5.10.2018

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Gomez Mendez Saenz Inc.
Architects-Planners
Interior Designers

Date: May 10, 2018
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No.: IDEA Robindale Phase I
Sheet: E6.01

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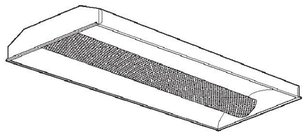
TEXAS REGISTERED
ENGINEERING FIRM
F-15998



01 TYPE A2,A2E,A3,A3E,A4, F3, G2 (ADD)
SCALE : NOT TO SCALE (ADD)



02 TYPE B2, B3, B4
SCALE : NOT TO SCALE



03 TYPE C1
SCALE : NOT TO SCALE



04 TYPE D2, D2E (ADD)
SCALE : NOT TO SCALE



05 TYPE E1
SCALE : NOT TO SCALE



06 TYPE F2E (ADD)
SCALE : NOT TO SCALE



07 TYPE FP
SCALE : NOT TO SCALE



08 TYPE H3, H3E, H4, H6 (ADD)
SCALE : NOT TO SCALE



09 TYPE G3, G3E (ADD)
SCALE : NOT TO SCALE



10 TYPE J2E (ADD)
SCALE : NOT TO SCALE



11 TYPE K1
SCALE : NOT TO SCALE



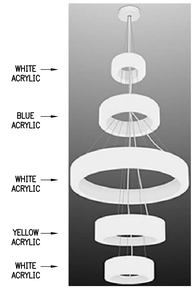
12 TYPE L2, L2E (ADD)
SCALE : NOT TO SCALE



13 TYPE M, ME, N (ADD)
SCALE : NOT TO SCALE



14 TYPE P1 & P2
SCALE : NOT TO SCALE



15 TYPE Q
SCALE : NOT TO SCALE



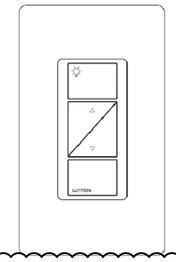
16 TYPE R
SCALE : NOT TO SCALE



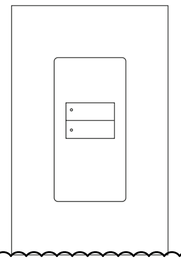
17 TYPE S
SCALE : NOT TO SCALE



18 TYPE X1, X2
SCALE : NOT TO SCALE



19 LUTRON PX-2BRL DIMMING WALLSTATION (ADD)
SCALE : NOT TO SCALE



20 LUTRON QSWS2-2BI WALLSTATION (ADD)
SCALE : NOT TO SCALE



21 ACUITY CH1 DIGITAL SWITCH (ADD)
SCALE : NOT TO SCALE



22 LUTRON QSWS2-2BRLI WALLSTATION (ADD)
SCALE : NOT TO SCALE



23 LUTRON QSWS2-5BRLI WALLSTATION (ADD)
SCALE : NOT TO SCALE



24 LUTRON QSWS2-KISI3MOC KEYED WALLSTATION (ADD)
SCALE : NOT TO SCALE



25 LUTRON SENSOR
SCALE : NOT TO SCALE

No.	REVISIONS	BY
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ADD 1	MAY 25, 2018	

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PHASE I
IDEA Public Schools
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STATE OF TEXAS
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Architects-Planners
Interior Designers

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