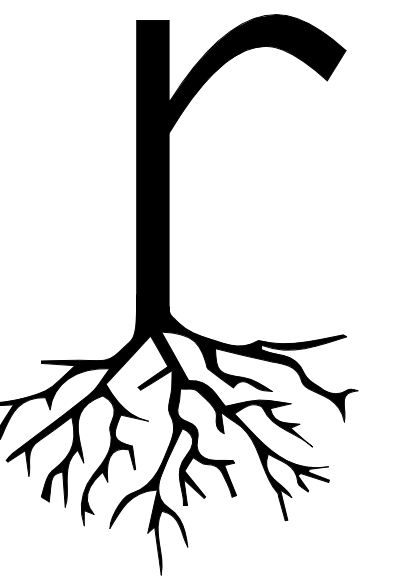


El Paso Leadership Academy
RFP #2021-004 – Security Systems Contractor
EXHIBIT H – Project Documents

Project Documents

The following Project Documents consist of only applicable sheets from the 100% Construction Documents dated 12/21/2020 and issued by Root Architects and RAXIS Engineering. Other sheets (enlarged plans, details, elevations, etc.) can be provided upon request and will be uploaded as Addenda.

The intended Security System components can be found on the **Electrical Sheets**. All other sheets are provided for reference and coordination purposes. All device locations and quantities are subject to change.



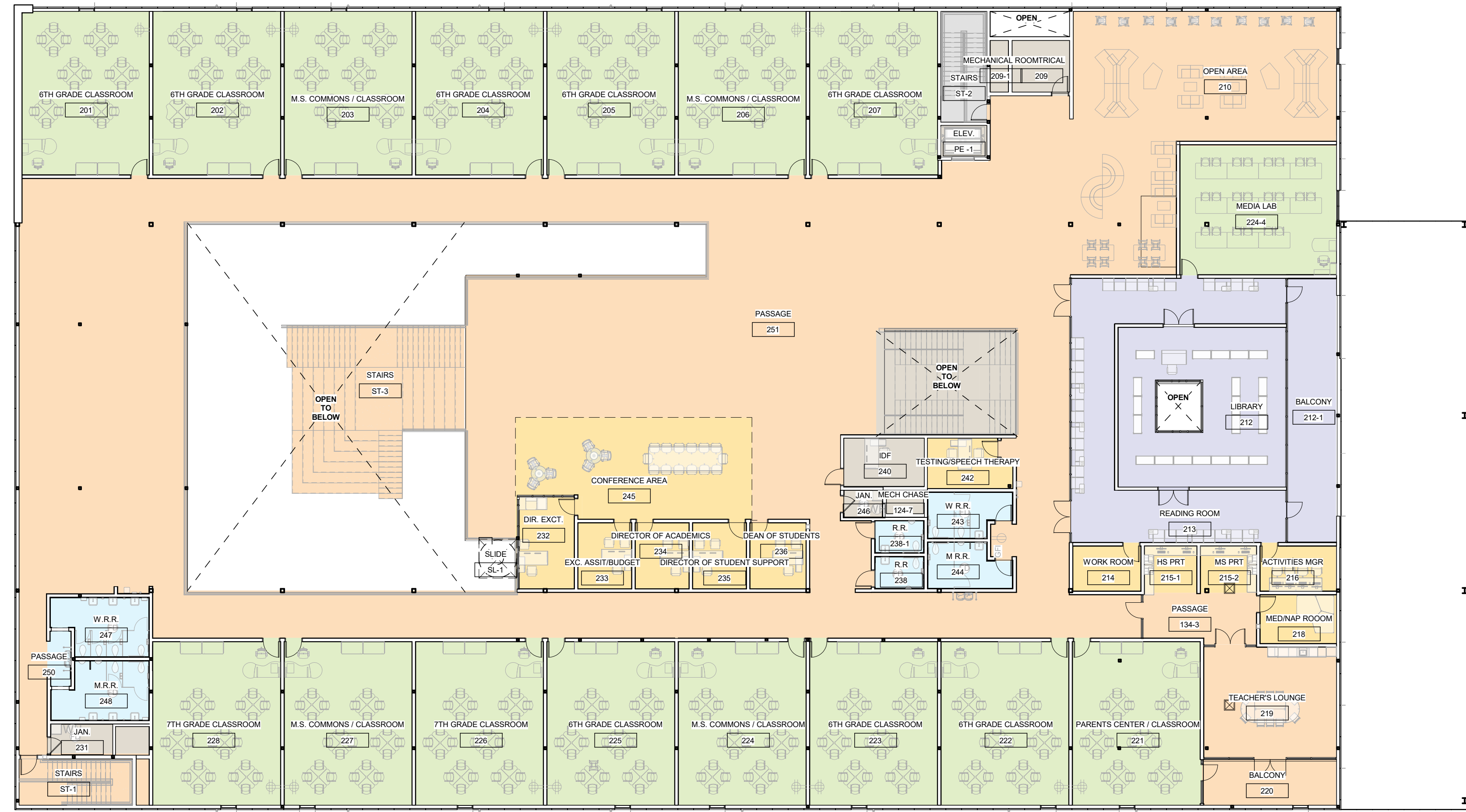
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2 CODE REVIEW - AREA PLAN LVL 2
1/16" = 1'-0"



1 CODE REVIEW - AREA PLAN LVL 1
1/16" = 1'-0"

COLOR LEGEND: OCCUPANCY USE

- ASSEMBLY
- BoH
- CLASSROOM
- KITCHEN
- LIBRARY
- OFFICE
- REST ROOM
- UNOCCUPIED SPACE

OCCUPANCY CALCULATIONS

TOTAL OCCUPANTS: 1,696

USE: ASSEMBLY OLF = SF/15 NET
AREA: 7,696 SF LOAD: 513

USE: STORAGE* OLF = SF/300
AREA: 2,084 SF LOAD: 7

USE: KITCHEN OLF = SF/200
AREA: 916 SF LOAD: 62

USE: CLASSROOM OLF = SF/20 NET
AREA: 20,427 SF LOAD: 1,022

USE: LIBRARY OLF = SF/50
AREA: 2,477 SF LOAD: 50

USE: OFFICE OLF = SF/100
AREA: 4,110 SF LOAD: 42

USE: RESTROOMS
AREA: 1,825 SF

UNOCCUPIED SPACE
AREA: 31,724 SF

*STORAGE - EQUIVALENT TO ACCESSORY STORAGE AREA. MECHANICAL EQUIPMENT ROOM AS SHOWN ON TABLE 1004.1.2 IBC 2015

*MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES
CLASSIFICATION: EDUCATIONAL - E
MENS + WOMENS W.C.: 1 PER 50
MENS + WOMENS LAV: 1 PER 100
(IBC 2015 - TABLE 2002.2)

FIXTURE SCHEDULE

Product Description	Count
M.R.R.	
TOILET - FLOOR MOUNTED	4
VANITY SINK - SQUARE	6
URINAL - WALL MOUNTED	4
UNI-SEX	
TOILET - FLOOR MOUNTED	3
URINAL - WALL MOUNTED	3
VANITY SINK - SQUARE	3
TOILET - FLOOR MOUNTED	8
VANITY SINK - SQUARE	6
M.R.R.	
TOILET - FLOOR MOUNTED	3
URINAL - WALL MOUNTED	3
UNI-SEX	
TOILET - FLOOR MOUNTED	2
VANITY SINK - SQUARE	2
URINAL - WALL MOUNTED	2
TOILET - FLOOR MOUNTED	6
VANITY SINK - SQUARE	4

TOTAL PLUMBING FIXTURE SCHEDULE

Product Description	Type Mark	Count
TOILET - FLOOR MOUNTED	1-01	26
VANITY SINK - SQUARE	1-02	25
URINAL - WALL MOUNTED	1-03	12

OCCUPANCY LOAD FACTOR BY FLOOR

Name	LOAD FACTOR	Area	CALC	OCCUPANCY LOAD FACTOR
LVL 1		4178 SF	217.1251451	218
ASSEMBLY		949 SF	2.622905	5
BoH		13296 SF	664.789029	666
CLASSROOM		208 SF	4.580539	24
KITCHEN		100 SF	18.406768	20
OFFICE		0 SF	991 SF	0
REST ROOM		0 SF	14567 SF	0
UNOCCUPIED SPACE		0 SF	14567 SF	0
SUBTOTAL		38738 SF	907.824387	914
LVL 2		1707 SF	52.3886	53
ASSEMBLY		300 SF	3.731024	6
BoH		12681 SF	604.557451	606
CLASSROOM		100 SF	24.773662	24
LIBRARY		100 SF	24.773662	20
OFFICE		0 SF	1641 SF	0
REST ROOM		0 SF	14567 SF	0
UNOCCUPIED SPACE		0 SF	13288 SF	0
SUBTOTAL		34522 SF	710.73279	720
TOTAL		71260 SF	1618.257177	1634

OCCUPANCY LOAD FACTOR BY USE

Level	LOAD FACTOR	Area	CALC	OCCUPANCY LOAD FACTOR	
ASSEMBLY		4178 SF	217.1251451	218	
LVL 1		1707 SF	52.3886	53	
LVL 2		5885 SF	269.913745	271	
BoH		949 SF	2.622905	5	
LVL 1		300 SF	3.731024	6	
LVL 2		2698 SF	6.353059	31	
CLASSROOM		20 SF	13296 SF	664.789029	666
LVL 1		12681 SF	604.557451	606	
LVL 2		25977 SF	1269.34648	1272	
KITCHEN		200 SF	4.580539	5	
LVL 1		916 SF	4.580539	5	
LIBRARY		100 SF	24.773662	25	
LVL 2		2477 SF	24.773662	25	
OFFICE		2477 SF	24.773662	20	
REST ROOM		100 SF	1641 SF	18.406768	20
LVL 1		0 SF	2365 SF	23.645193	28
LVL 2		0 SF	4205 SF	42.051962	48
REST ROOM		0 SF	991 SF	0	0
LVL 1		885 SF	1.638611	2	
LVL 2		0 SF	1.638611	2	
UNOCCUPIED SPACE		14567 SF	0	0	
LVL 1		0 SF	14567 SF	0	0
LVL 2		0 SF	13288 SF	0	0
SUBTOTAL		27855 SF	0	0	
TOTAL		71260 SF	1618.257177	1634	

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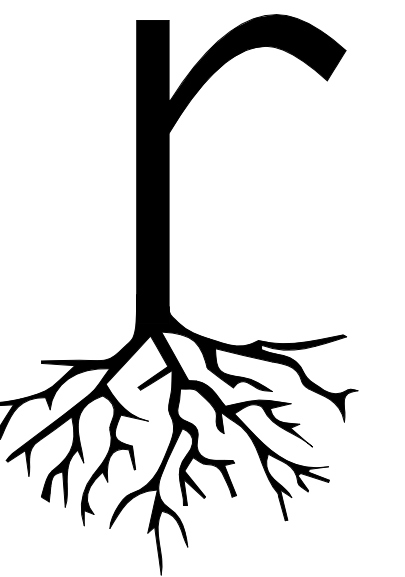
DATE 12.21.2020

REVISIONS

CODE REVIEW

SHEET NUMBER

AA004



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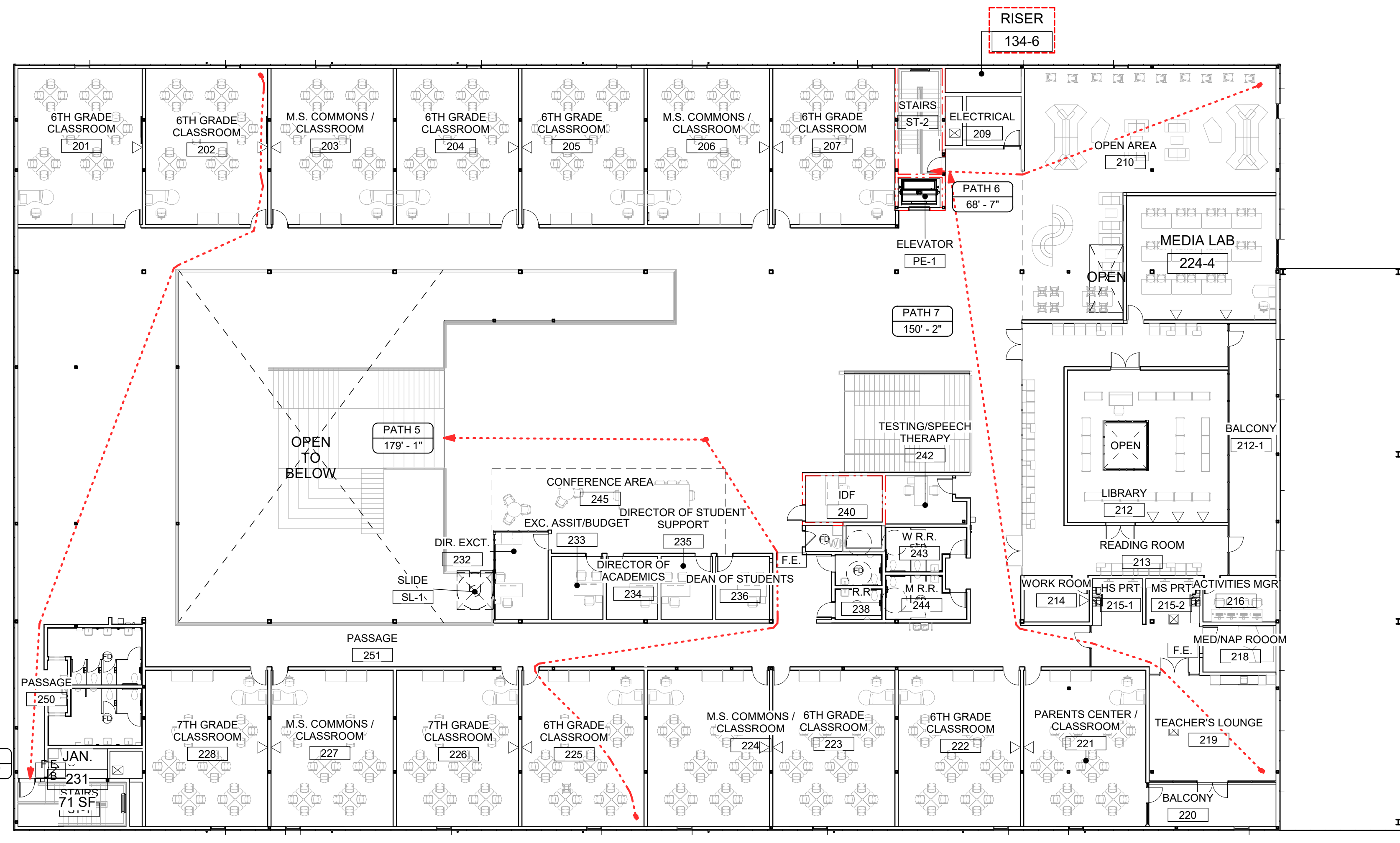
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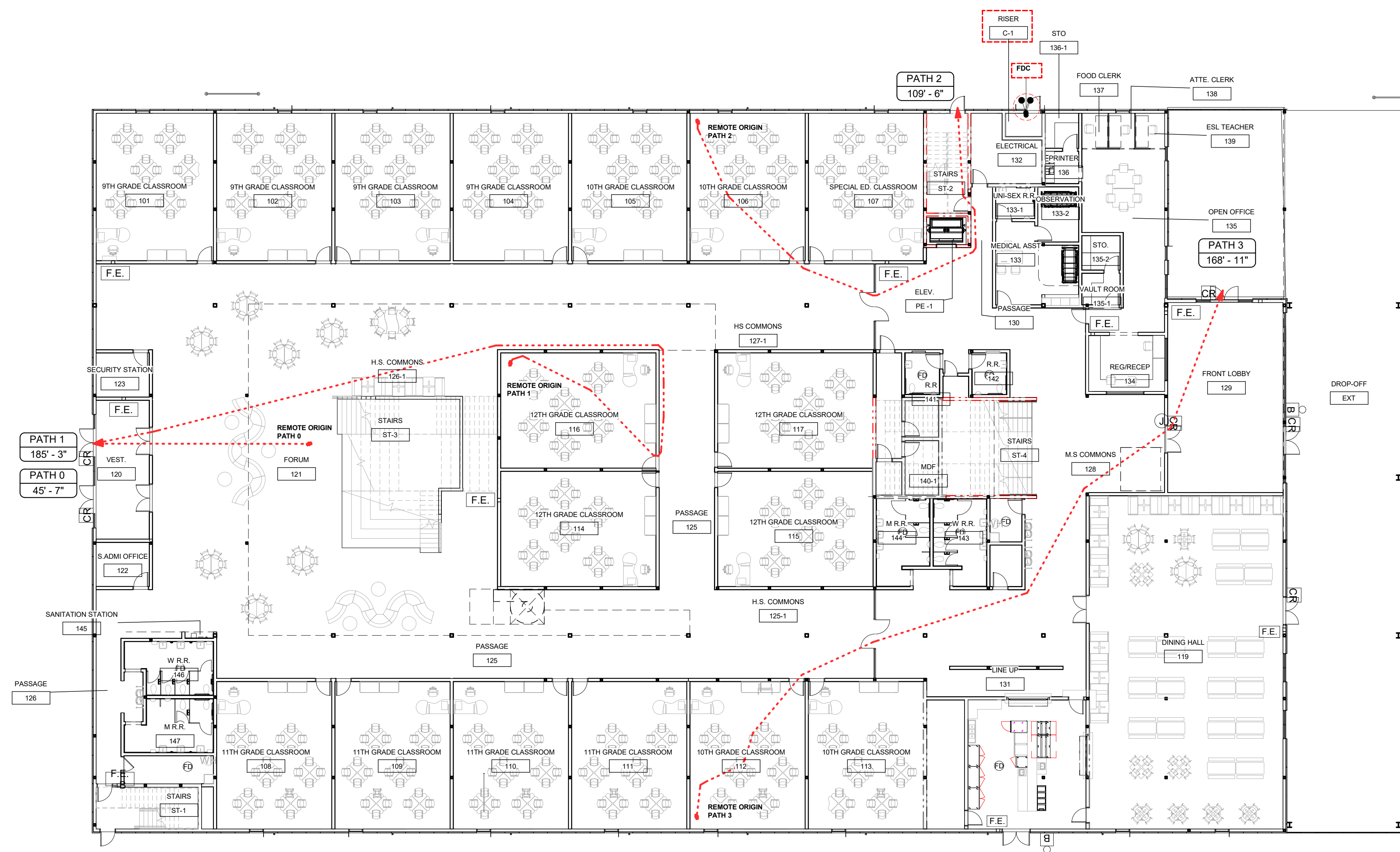
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2 LIFE SAFETY PLAN - LVL2
1/16" = 1'-0"



1 LIFE SAFETY PLAN - LVL1
1/16" = 1'-0"

PATH	LENGTH
PATH 0	45'-7"
PATH 1	185'-3"
PATH 2	109'-6"
PATH 3	168'-11"
PATH 4	155'-7"
PATH 5	179'-1"
PATH 6	68'-7"
PATH 7	150'-2"

*MAX EXIT TRAVEL DISTANCE
(IBC 2015 - TABLE 1017.2)
OCCUPANCY E = 250'

NOTE:
BUILDING IS TO BE FULLY SPRINKLED

EGRESS LEGEND	
1 HOUR RATED WALL	
2 HOUR RATED WALL	
RAISER / RAISER ROOM	
EGRESS	
34" EGRESS DOOR	
72" EGRESS DOOR	
FIRE EXTINGUISHER	F.E.

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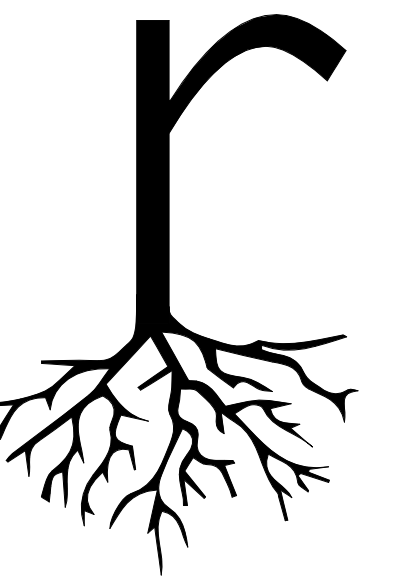
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REVISIONS

LIFE SAFETY

SHEET NUMBER

AA005



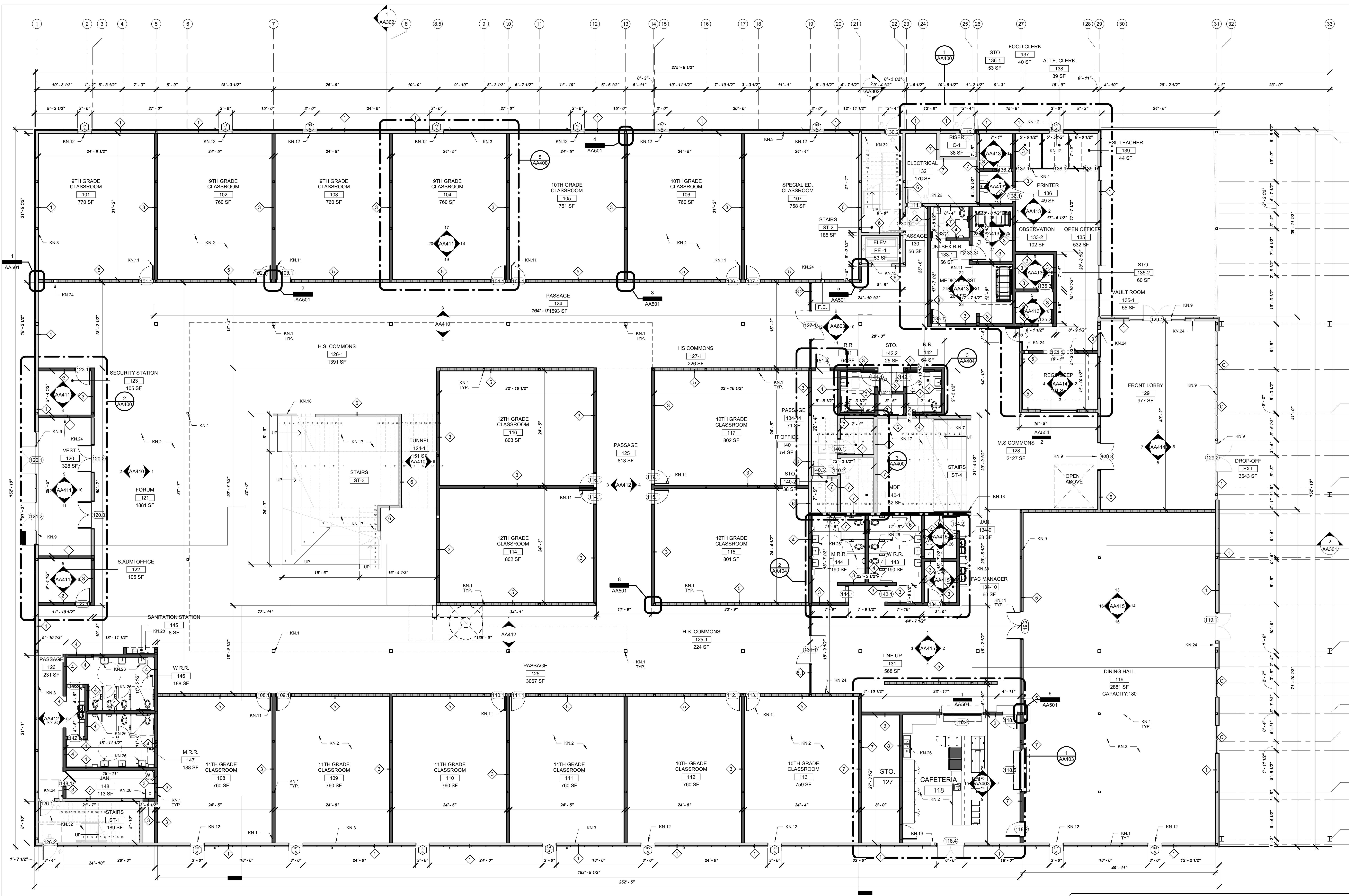
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1 FLOOR PLAN - LEVEL 1
1/8" = 1'-0"

NOTE:
REFER TO STRUCTURAL DRAWINGS FOR SLAB/CEILING PENETRATIONS

NOTE:
REFER TO MEP DRAWINGS FOR ELECTRICAL LIGHTING AND MECHANICAL FIXTURES COUNT AND LOCATION

NOTE:
FUTURE CONDUIT FOR LOW VOLTAGE. REF. MEP DRAWINGS FOR ELEC. LIGHTING AND MECHANICAL FIXTURES COUNT AND LOCATION

CLASSROOM COUNT	
TOTAL:	17 CLASSROOMS

GRAPHIC LEGEND	
	EXTERIOR WALL / CHASE WALL
	INTERIOR OPAQUE PARTITION
	INTERIOR POLYCARBONATE PARTITION

ROOM SCHEDULE - LVL 1		
ADMIN + H.S. ZONES	3643 SF	
120 VEST	328 SF	
121 FORUM	1881 SF	
126 PASSAGE	231 SF	
SUBTOTAL	2440 SF	
ADMIN + MS ZONES	2861 SF	
119 DINING HALL	2861 SF	
128 M.S. COMMONS	2127 SF	
SUBTOTAL	5008 SF	
ADMINISTRATION		
122 S.ADMI OFFICE	105 SF	
123 SECURITY STATION	105 SF	
129 FRONT LOBBY	977 SF	
133 MEDICAL ASST	264 SF	
135-1 UNI-SEX R.R.	56 SF	
133-2 OBSERVATION	102 SF	
134 REG/RECEP	191 SF	
135-1 V.ALT ROOM	53 SF	
135-2 STO.	60 SF	
136 PRINTER	49 SF	
136-1 STO.	53 SF	
137 FOOD CLERK	40 SF	
138 ATTE. CLERK	39 SF	
139 ESL TEACHER	44 SF	
2670 SF		
SUBTOTAL/AREAD	151 SF	
124 TUNNEL	151 SF	
131 LINE UP	588 SF	
EXT/DROP-OFF	3643 SF	
101 9TH GRADE CLASSROOM	770 SF	
102 9TH GRADE CLASSROOM	760 SF	
103 9TH GRADE CLASSROOM	760 SF	
104 9TH GRADE CLASSROOM	760 SF	
105 10TH GRADE CLASSROOM	761 SF	
106 10TH GRADE CLASSROOM	760 SF	
107 SPECIAL ED. CLASSROOM	758 SF	
108 11TH GRADE CLASSROOM	760 SF	
109 11TH GRADE CLASSROOM	760 SF	
110 11TH GRADE CLASSROOM	760 SF	
111 11TH GRADE CLASSROOM	760 SF	
112 12TH GRADE CLASSROOM	803 SF	
113 12TH GRADE CLASSROOM	802 SF	
114 12TH GRADE CLASSROOM	802 SF	
115 12TH GRADE CLASSROOM	801 SF	
116 12TH GRADE CLASSROOM	803 SF	
117 12TH GRADE CLASSROOM	802 SF	
118 12TH GRADE CLASSROOM	802 SF	
124 PASSAGE	1953 SF	
125 PASSAGE	860 SF	
125 PASSAGE	813 SF	
125-1 H.S. COMMONS	224 SF	
125-2 STO.	234 SF	
126-1 H.S. COMMONS	1391 SF	
127-1 H.S. COMMONS	226 SF	
20413 SF		
SUBTOTAL/AREAD	20413 SF	
124 TUNNEL	151 SF	
131 LINE UP	588 SF	
ST-4 STAIRS	801 SF	
118 CAFETERIA	218 SF	
127 STO.	668 SF	
130 PASSAGE	56 SF	
132 ELECTRICAL	176 SF	
134-9 JAN.	63 SF	
134-10 FAC. MANAGER	60 SF	
134-11 PASSAGE	71 SF	
140 IT OFFICE	54 SF	
140-1 MDF	82 SF	
140-2 STO.	38 SF	
141 R.R.	84 SF	
142 R.R.	64 SF	
142-1 STO.	25 SF	
143 W.R.R.	190 SF	
144 M.R.R.	188 SF	
145 SANITATION STATION	85 SF	
146 JAN.	113 SF	
C-1 RISER	38 SF	
147 M.R.R.	53 SF	
148 JAN.	189 SF	
PE-1 ELEV.	185 SF	
ST-1 STAIRS	2982 SF	
ST-2 STAIRS	185 SF	
SUBTOTAL	34436 SF	

FLOOR PLAN KEY NOTES			
KN.1	COLUMN REFERENCE STRUCTURAL	KN.18	RAILING SYSTEM
KN.2	FLOORING, REF. FINISH FLOOR PLAN	KN.19	FIRE EXTINGUISHER TYPE K
KN.3	EXTERIOR WALL, REF. WALL TYPES SHEET	KN.20	PLUMBING EQUIPMENT/ PIPING, CAP AND FILL PIPE PENETRATIONS
KN.4	CUBICLE PARTITION SYSTEM, REF. FURNITURE SHEETS	KN.21	ELECTRICAL PANEL/ELEC. METES, REF. MEP
KN.5	PREPARE SLAB AND SPACE FOR FUTURE PHASE TWO	KN.23	DATA EQUIPMENT (J-BOX), REF. MEP
KN.6	COUNTER DOOR, REF. DR AND WDW SHEETS	KN.24	FIRE EXTINGUISHER TYPE B
KN.7	WALL FUR-OUT	KN.25	MEZZANINE STRUCTURE, REF. STRUCTURAL SHEETS
KN.8	CLERESTORY	KN.26	NEW PLUMBING FIXTURE, REF. PLUMBING SHEETS
KN.9	STOREFRONT SYSTEM AND/OR DOOR, REF. FRAMES TYPES SHEETS	KN.27	CAST IRON STANDING PIPE, CAP AND FILL SLAB PENETRATIONS
KN.10	FRAMING OPENING	KN.28	SANITATION STATION, OWNER PROVIDE
KN.11	DOOR AND FRAME, REF. DR AND WDW SHEETS	KN.29	SERVICE/ELECTRICAL VAULT, REF. MEP SHEETS
KN.12	WINDOW SYSTEM, REF. DR AND WDW SHEETS	KN.30	STRUCTURE REFER TO STRUCTURAL SHEETS
KN.13	ELEVATOR SYSTEM, NO WOOD PERMITTED IN SHAFT, DOORS, CONTROLS AND SIGNAGE, PER MANUFACTURER	KN.31	PENETRATION ON SLAB, REF. STRUCTURAL SHEETS
KN.14	MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT	KN.32	EGRESS STAIRS AND RAILING
KN.15	ROOFING SYSTEM, REF. STRUCTURAL SHEETS	KN.33	HIGH-LOW / ADA DRINKING FOUNTAIN
KN.16	ROOF HATCH, STAIRS AND SAFETY RAILING, REF. ROOF SHEET	KN.34	NOT IN THE SCOPE, PHASE TWO
KN.17	WOOD STAIRS AND RAILING, REF. SHELL ENL. VIEWS	KN.35	DOWNPOUT, REF. ROOF SHEET

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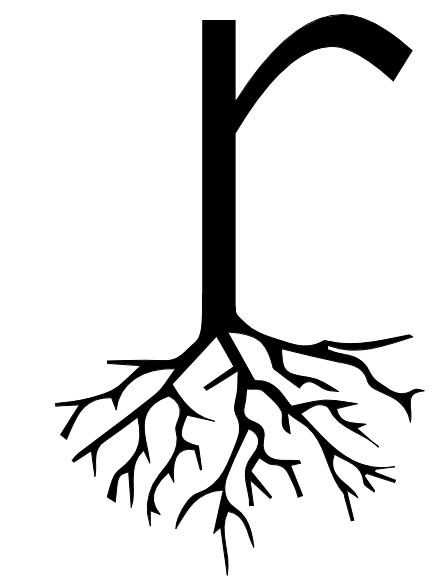
DATE: 12.21.2020

REVISIONS

SHEET TITLE
FLOOR PLAN
LVL 1
SHEET NUMBER

AA100

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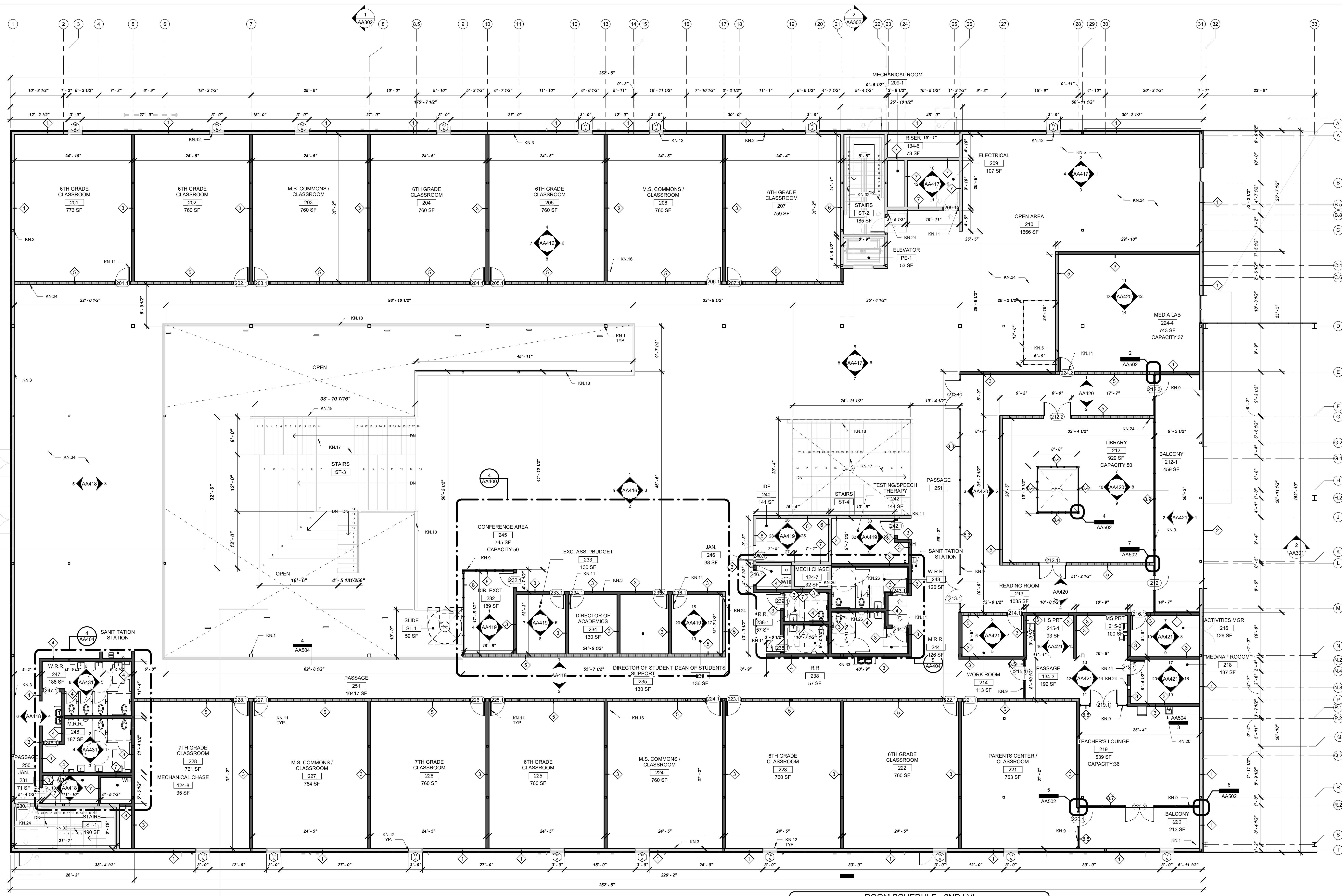
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2. ALL SUB-CONTRACTORS SHALL RECEIVE A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR THEIR COMPLETE SCOPE OF WORK REGARDLESS OF WHERE IN THE DOCUMENT SET THE DESCRIPTION OF WORK APPEARS. ANY WORK PERFORMED WILL MEET ALL CURRENT CODE REQUIREMENTS. NO EXCEPTIONS WILL BE ALLOWED.
3. THE CONTRACTOR SHALL REQUIRE ALL INSTALLERS TO VERIFY THAT SUBSTRATES, STARTING POINTS, ETC. CONFORM WITH THE INTENT OF THE CONTRACT DOCUMENTS. INSTALLERS SHALL REPORT, IN WRITING, ANY DISCREPANCIES WHICH AFFECT THE WORK. ALLOWING SUFFICIENT TIME TO ENABLE THE GENERAL CONTRACTOR TO DETERMINE AND EXECUTE CORRECTIVE MEASURES. REQUIRED, BUT NO LATER THAN ONE WEEK PRIOR TO THE SCHEDULED START OF THE WORK.
4. DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.
5. REFER TO BUILDING SECTIONS AND ELEVATIONS FOR ALL PLATE HEIGHTS.
6. REFER TO WINDOW SCHEDULE FOR HEAD AND SILL HEIGHTS. WINDOW SELECTION AS PER OWNER. SELECTED WINDOWS MUST MEET ENERGY CODE REQUIREMENTS. REFER TO WINDOW SCHEDULE FOR SIZES.
7. REFER TO DOOR SCHEDULE FOR HEAD HEIGHTS.
8. ALL EXTERIOR ELECT. OUTLETS AND CIRCUITS LOCATED WITHIN 6'-0" OF KITCHEN SINK AND BATH VANITIES TO BE GROUND FAULT INTERRUPTER (GFCI).
9. COORDINATE A/C FURNACE AND WATER HEATER LOCATIONS IN FIELD WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
10. ALL VENTS, EXHAUST, FANS AND APPLIANCES THAT REQUIRE VENTING TO BE VENTED TO OUTSIDE IN ACCORDANCE WITH ALL APPLICABLE CODES.
11. SMOKE ALARMS SHALL BE HARD WIRED IN SERIES WITH BATTERY BACKUP POWER IN ACCORDANCE WITH APPLICABLE CODE.
12. VERIFY OUTLET/SWITCH LOCATIONS IN FIELD WITH OWNER AND ARCHITECT.
13. TREATED SOLE PLATE WITH 1/2" BOLT @ 4' O.C. BOLT MUST EXTEND AT LEAST 7" INTO CONC. ALL SILL PLATE LUMBER AND ANY LUMBER IN CONTACT WITH CONCRETE OR CMU. BLOCKING TO BE MOISTURE TREATED.
14. ALL INTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" MET. STUD @ 16" O.C. UN'D. WALLS TO RECEIVE SOUND INSULATION AND 4" METAL COVE BASE U.O.
15. ALL EXTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" MET. STUD @ 16" O.C. WITH BATT OR SPRAY FOAM INSULATION U.O.
16. REFER TO FINISH PLAN FOR ALL FINISH SCHEDULES.
17. ENSURE EGRESS REQUIREMENTS ARE MET PER CODE.
18. COORDINATE HOSE BIB LOCATIONS IN FIELD WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
19. CONTRACTOR TO PROVIDE MOCK UP FOR APPROVAL OF ALL EXTERIOR FINISH MATERIALS AND FENESTRATION. PRIOR TO CONSTRUCTION.
20. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
21. ANY DISCREPANCIES NOTED IN PLANS MUST BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO CONSTRUCTION. CONTRACTOR AND ALL SUB-CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION OF ANY DISCREPANCY, REGARDLESS OF WHERE THEY MAY APPEAR IN THE CONSTRUCTION DOCUMENT SET.



1 FLOOR PLAN - LVL 2
1/8" = 1'-0"

ROOM SCHEDULE - 2ND LVL

134-3	PASSAGE	192 SF	207	6TH GRADE CLASSROOM	760 SF
134-4	WORK ROOM	113 SF	222	6TH GRADE CLASSROOM	760 SF
215-1	HS PRT	83 SF	223	6TH GRADE CLASSROOM	760 SF
215-2	MS PRT	100 SF	224	M.S. COMMONS / CLASSROOM	760 SF
218	ACTIVITIES MGR	137 SF	225	6TH GRADE CLASSROOM	760 SF
219	TEACHER'S LOUNGE	539 SF	226	7TH GRADE CLASSROOM	760 SF
220	BALCONY	213 SF	227	M.S. COMMONS / CLASSROOM	760 SF
221	PARENTS CENTER / CLASSROOM	763 SF	250	PASSAGE	215 SF
222	DIR. EXCT.	189 SF	251	PASSAGE	10417 SF
223	EXC. ASSIT/BUDGET	130 SF	252	STAIRS	760 SF
224	DIRECTOR OF STUDENT SUPPORT	130 SF	253	STAIRS	22072 SF
225	DEAN OF STUDENTS	136 SF	254	MECH CHASE	32 SF
242	TESTING/SPEECH THERAPY	144 SF	255	MECHANICAL CHASE	35 SF
245	CONFERENCE AREA	745 SF	256	RISER	73 SF
SL-1	SLIDE	59 SF	209	ELECTRICAL	107 SF
SUBTOTAL		3941 SF	206-1	MECHANICAL ROOM	34 SF
11	M.S. SHARED	231	231	JAN.	71 SF
10	OPEN AREA	1666 SF	238	R.R.	57 SF
212	LIBRARY	929 SF	239-1	R.R.	57 SF
213	BALCONY	459 SF	240	IFB	141 SF
213	READING ROOM	1035 SF	243	W.R.	126 SF
224-4	MEDIA LAB	743 SF	244	M.R.R.	126 SF
ST-4	STAIRS	344 SF	246	JAN.	38 SF
SUBTOTAL		5175 SF	247	W.R.	188 SF
MIDDLE SCHOOL			248	M.R.R.	187 SF
201	6TH GRADE CLASSROOM	773 SF	251	ELEVATOR	53 SF
202	6TH GRADE CLASSROOM	760 SF	ST-1	STAIRS	190 SF
203	M.S. COMMONS / CLASSROOM	760 SF	ST-2	STAIRS	185 SF
204	6TH GRADE CLASSROOM	760 SF	ST-3	STAIRS	170 SF
205	6TH GRADE CLASSROOM	760 SF	TOTAL		32889 SF

FLOOR PLAN KEY NOTES

KN 1	COLUMN REFERENCE STRUCTURAL	KN 18	RAILING SYSTEM
KN 2	FLOORING. REF. FINISH FLOOR PLAN	KN 19	FIRE EXTINGUISHER TYPE K
KN 3	EXTERIOR WALL. REF. WALL TYPES SHEET	KN 20	PLUMBING EQUIPMENT/ PIPING. CAP AND FILL PIPE PENETRATIONS
KN 4	CUBICLE PARTITION SYSTEM. REF. FURNITURE SHEETS	KN 21	ELECTRICAL PANEL/ELEC. METES. REF. MEP
KN 5	PREPARE SLAB AND SPACE FOR FUTURE PHASE TWO	KN 22	DATA EQUIPMENT (J-BOX). REF. MEP
KN 6	COUNTER DOOR. REF. DR AND WDW SHEETS	KN 24	FIRE EXTINGUISHER TYPE B
KN 7	WALL FUR-OUT	KN 25	MEZZANINE STRUCTURE. REF. STRUCTURAL SHEETS
KN 8	CLERESTORY	KN 26	NEW PLUMBING FIXTURE. REF. PLUMBING SHEETS
KN 9	STOREFRONT SYSTEM AND/OR DOOR. REF. FRAMES TYPES SHEETS	KN 27	CAST IRON STANDING PIPE. CAP AND FILL SLAB PENETRATIONS
KN 10	FRAMING OPENING	KN 28	SANITATION STATION. OWNER PROVIDE
KN 11	DOOR AND FRAME. REF. DR AND WDW SHEETS	KN 29	SERVICE ELECTRICAL VAULT. REF. MEP SHEETS
KN 12	WINDOW SYSTEM. REF. DR AND WDW SHEETS	KN 30	STRUCTURE REFER TO STRUCTURAL SHEETS
KN 13	ELEVATOR SYSTEM. NO WOOD PERMITTED IN SHAFT. DOORS, CONTROLS AND SIGNAGE. PER MANUFACTURER	KN 31	PENETRATION ON SLAB. REF. STRUCTURAL SHEETS
KN 14	MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT	KN 32	EGRESS STAIRS AND RAILING
KN 15	ROOFING SYSTEM. REF. STRUCTURAL SHEETS	KN 33	HIGH - LOW / ADA DRINKING FOUNTAIN
KN 16	ROOF HATCH, STAIRS AND SAFETY RAILING. REF. ROOF SHEET	KN 34	NOT IN THE SCOPE. PHASE TWO
KN 17	WOOD STAIRS AND RAILING. REF. SHELL ENL. VIEWS	KN 35	DOWNSPOUT. REF. ROOF SHEET

CLASSROOM COUNT

MAIN: 11 CLASSROOMS
4 M.S. COMMONS CLASSROOMS

TOTAL: 15 CLASSROOMS

GRAPHIC LEGEND

- EXTERIOR WALL / CHASE WALL
- INTERIOR OPAQUE PARTITION
- INTERIOR POLYCARBONATE PARTITION

EPLA - CANTERA

2101 JOE BATTLE BLVD
EL PASO, TX 79938

DATE: 12.21.2020

REVISIONS	

SHEET TITLE
FLOOR PLAN
LVL 2
SHEET NUMBER

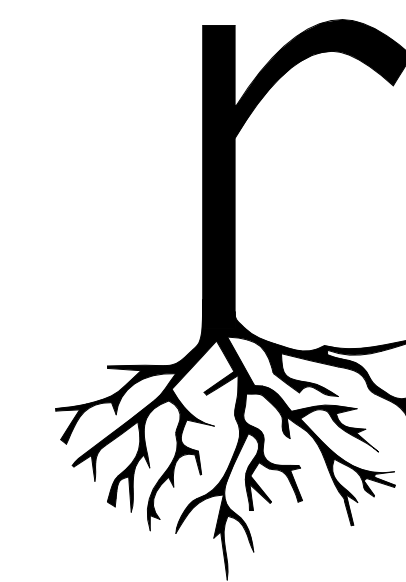
AA101

12/21/2020 10:16:06 PM FULL SHEET SIZE: ARCH (E) (30" x 42")

NOTE:
REFER TO STRUCTURAL DRAWINGS FOR SLAB/CEILING PENETRATIONS

NOTE:
REFER TO MEP DRAWINGS FOR ELECTRICAL LIGHTING AND MECHANICAL FIXTURES COUNT AND LOCATION

NOTE:
FUTURE CONDUIT FOR LOW VOLTAGE. REF. MEP DRAWINGS FOR ELEC. LIGHTING AND MECHANICAL FIXTURES COUNT AND LOCATION



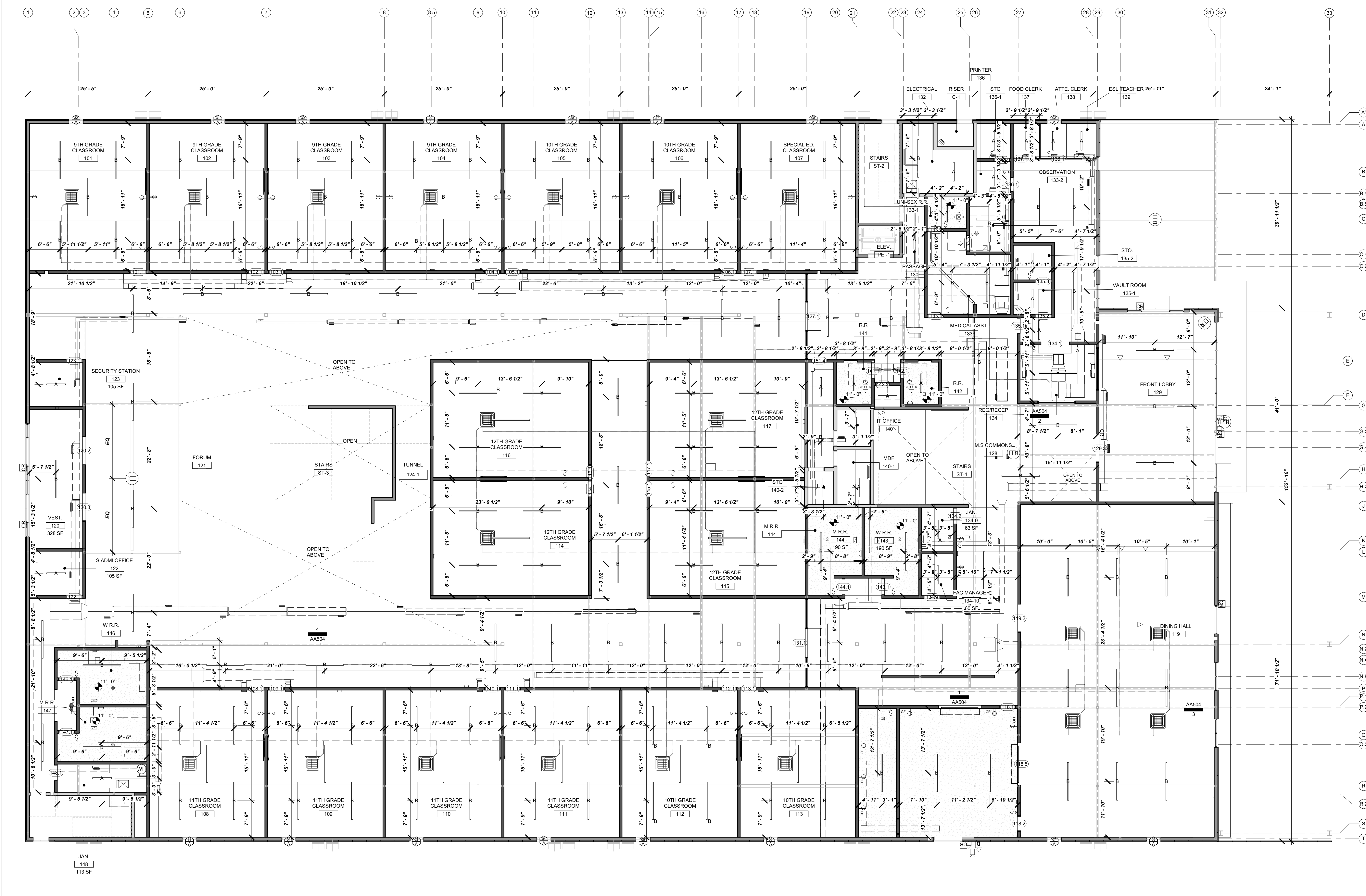
root
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311 MONTANA - STE A2-100
EL PASO, TX 79902



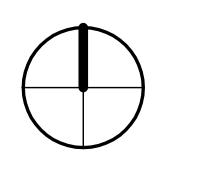
12.21.2020

RCP GENERAL NOTES

1. CENTER ALL LIGHT PATTERNS WITHIN ANY GIVEN SPACE. U.N.O. FIELD VERIFY AND NOTE ANY DISCREPANCIES TO ARCHITECT BEFORE INSTALLATION. COORDINATE ANY LAYOUT DISCREPANCIES WITH OWNER. PROVIDE FOR NECESSARY ADJUSTMENTS.
2. REVIEW ALL LIGHT FIXTURE LOCATIONS FOR CONFLICTS WITH STRUCTURE, MECHANICAL, DUCTWORK, PIPING AND PLENUM CLEARANCES. COORDINATE ANY CONFLICTS WITH THE OWNER PRIOR TO ANY WORK ABOVE CEILING.
3. REVIEW AND VERIFY ALL CEILING HEIGHTS FOR COORDINATION WITH ABOVE CEILING WORK AND COORDINATE ANY CONFLICTS WITH THE OWNER PRIOR TO INSTALLATION OF ABOVE CEILING WORK.
4. PROVIDE PAINTED ACCESS PANELS IN GYPSUM BOARD CEILING WHERE SPECIFIED FOR ACCESS TO ABOVE CEILING MECHANICAL AND ELECTRICAL DEVICES. ACCESS PANELS SHALL BE FLUSH TRIMLESS TYPE PAINTED TO MATCH FINISH OF REST OF CEILING.
5. COORDINATE A/C AND WATER HEATER LOCATION WITH OWNER. CONTRACTOR TO PROVIDE ELECTRICITY AND/OR GAS TO EQUIPMENT AS REQUIRED.
6. NEW EXPOSED WOOD BEAM AND PANEL CEILING IN LIVING AND DINING ROOMS TO MATCH ORIGINAL.
7. ALL LIGHT FIXTURES TO BE ON DIMMABLE SWITCHES U.N.O.
8. LIGHT FIXTURES BY OWNER. REFER TO SUPPLEMENTAL DRAWING PACKAGE FOR SPECIFICATIONS.
9. ALL SUBSTITUTIONS ARE SUBJECT TO ARCHITECT'S WRITTEN APPROVAL.
10. SWITCH & POWER LOCATIONS ARE FOR QUANTITY ONLY. WALK JOB ARCHITECT & OWNER AFTER INSTALLATION OF BOXES BUT BEFORE WIRING TO VERIFY LOCATIONS.
11. ALL EXPOSED CONDUIT RUNS NEED TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
12. POWER OUTLETS TO BE SPACED 12'-0" AND 12' AFF TO CENTER OF J-BOX UNLESS OTHERWISE NOTED.
13. POWER OUTLETS ABOVE COUNTERTOPS TO BE 6" OFF FINISHED COUNTER SURFACE & TURNED HORIZONTALLY.
14. ALL SWITCHES/CONTROLS TO BE 42" ABOVE FINISHED FLR.
15. ALL LOW VOLTAGE TRANSFORMERS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
16. RECESSED LIGHTING SPACED 3'-0" FROM WALLS U.N.O.
17. ALL OUTDOOR LIGHTS, LIGHT FIXTURES, AND INTERIOR BATH TUB LIGHTS TO BE WATERPROOF.



REFLECTED CEILING PLAN - LVL 1
1/8" = 1'-0"



GRAPHIC LEGEND

- EXTERIOR WALL / CHASE WALL
- INTERIOR OPAQUE PARTITION
- INTERIOR POLYCARBONATE PARTITION

LIGHTING LEGEND

- FAITHSAIL 4FT LED STRIP LIGHTS
- FAITHSAIL 8FT LED STRIP LIGHTS
- SUPPLY DIFFUSER

CEILING FINISH LEGEND

- NEW HARD CEILING
- EXPOSED CEILING

ROOM SCHEDULE - LVL 1		
ADMIN + H.S. ZONES	328 SF	
120 VEST	181 SF	
121 FORUM	231 SF	
126 PASSAGE	246 SF	
SUBTOTAL	2463 SF	
ADMIN + MS ZONES	2861 SF	
119 DINING HALL	2127 SF	
138 M.S. COMMONS	500 SF	
SUBTOTAL	5008 SF	
ADMINISTRATION		
122 S.ADMI OFFICE	105 SF	
123 SECURITY STATION	105 SF	
129 FRONT LOBBY	917 SF	
133 MEDICAL ASST	264 SF	
133-1 UNISEX R.R.	56 SF	
133-2 OBSERVATION	102 SF	
134 REG/RECEP	191 SF	
135-1 VAULT ROOM	55 SF	
135-2 STO.	60 SF	
136 PRINTER	49 SF	
136-1 STO.	53 SF	
137 FOOD CLERK	40 SF	
138 ATTE. CLERK	39 SF	
139 ESL TEACHER	44 SF	
139-1	2670 SF	
SUBTOTAL AREAS	151 SF	
124-1 TUNNEL	568 SF	
131 LINE UP		
EXT/DROP-OFF	2643 SF	
SUBTOTAL	4361 SF	
HIGH SCHOOL		
103 9TH GRADE CLASSROOM	770 SF	
104 9TH GRADE CLASSROOM	760 SF	
105 9TH GRADE CLASSROOM	760 SF	
106 10TH GRADE CLASSROOM	760 SF	
107 SPECIAL ED CLASSROOM	758 SF	
108 11TH GRADE CLASSROOM	760 SF	
109 11TH GRADE CLASSROOM	760 SF	
110 11TH GRADE CLASSROOM	760 SF	
111 11TH GRADE CLASSROOM	760 SF	
112 10TH GRADE CLASSROOM	760 SF	
113 10TH GRADE CLASSROOM	758 SF	
114 12TH GRADE CLASSROOM	802 SF	
115 12TH GRADE CLASSROOM	801 SF	
116 12TH GRADE CLASSROOM	803 SF	
117 12TH GRADE CLASSROOM	802 SF	
124 PASSAGE	1593 SF	
125 PASSAGE	3967 SF	
125 PASSAGE	813 SF	
125-1 H.S. COMMONS	224 SF	
126-1 H.S. COMMONS	1391 SF	
127-1 H.S. COMMONS	226 SF	
SUBTOTAL AREAS	20413 SF	
SUBTOTAL	481 SF	
ST-4 STAIRS	50 SF	
118 CAFETERIA	562 SF	
127 STO.		
130 PASSAGE	668 SF	
132 ELECTRICAL	176 SF	
134-9 JAN.	63 SF	
134-10 FAC. MANAGER	60 SF	
134-11 PASSAGE	11 SF	
140 IT OFFICE	54 SF	
140-1 MDF	82 SF	
140-2 STO.	38 SF	
141 R.R.	64 SF	
142 R.R.	64 SF	
142-2 STO.	25 SF	
143 W.R.R.	190 SF	
143 W.R.R.	188 SF	
147 W.R.R.	113 SF	
148 JAN.	38 SF	
C-1 RISER	53 SF	
PE-1 ELEV.	139 SF	
ST-1 STAIRS	185 SF	
ST-2 STAIRS	292 SF	
SUBTOTAL	3436 SF	

RCP KEY NOTES

- KN.1 ACOUSTICAL CEILING PANEL
- KN.2 LIGHT FIXTURE - REF. TO MEP DRAWINGS
- KN.3 JBOX FOR FUTURE ELECTRICAL FIXTURE REF. TO MEP
- KN.4 CONDUIT REF. TO SCHEDULE
- KN.5 DUCT WORK REF. TO FINISH SCHEDULE
- KN.6 MECHANICAL EQUIPMENT REF. TO MEP AND FINISH SCHEDULE
- KN.7 MECHANICAL DIFFUSER / RETURN GRILL REF. TO FINISH SCHEDULE
- KN.8 CABLE TRAY
- KN.9 EXPOSED PLUMBING LINES REF. TO FINISH SCHEDULES
- KN.10 14 DIAMETER FAN
- KN.11 EMERGENCY EXIT
- KN.12 ROOF HATCH AND SAFETY RAILING. REF. ROOF PLAN.

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DATE 12.21.2020

REVISIONS

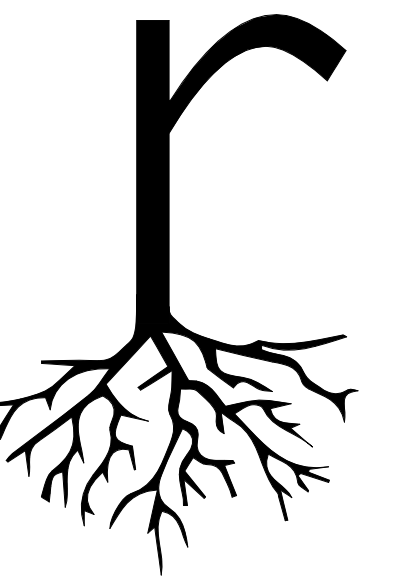
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SHEET TITLE
RCP LVL 1

SHEET NUMBER

AA110

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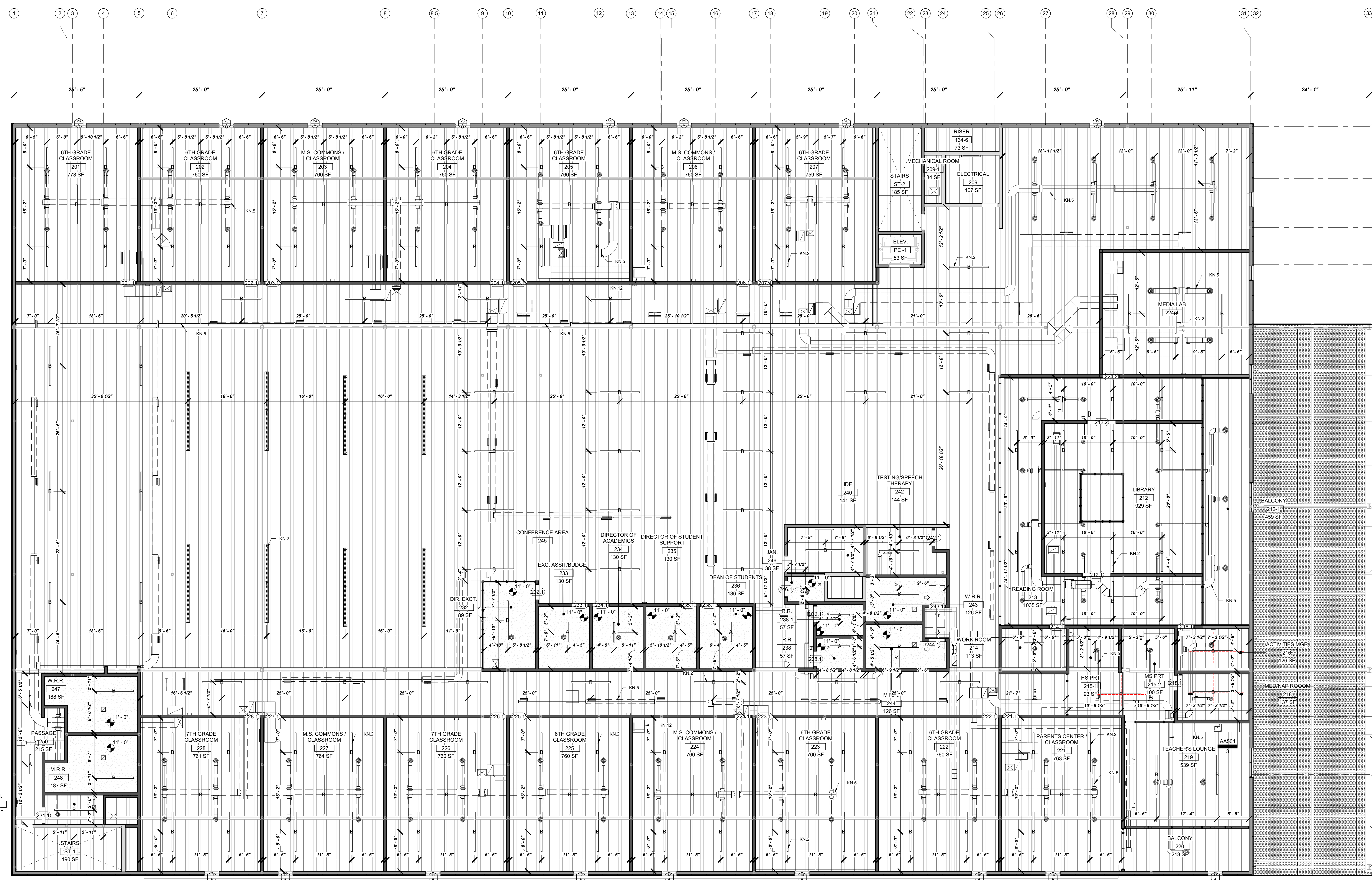
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EL PASO, TX 79902



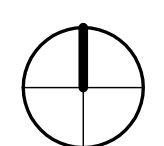
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1 REFLECTED CEILING PLAN - LVL 2
1/8" = 1'-0"



GRAPHIC LEGEND

	EXTERIOR WALL / CHASE WALL
	INTERIOR OPAQUE PARTITION
	INTERIOR POLYCARBONATE PARTITION

LIGHTING LEGEND

	FAITHSAIL 4FT LED STRIP LIGHTS
	FAITHSAIL 8FT LED STRIP LIGHTS
	SUPPLY DIFFUSER

CEILING FINISH LEGEND

	NEW HARD CEILING
	EXPOSED CEILING

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220	BALCONY	213 SF	228	7TH GRADE CLASSROOM	760 SF
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232	DIR. EXCT.	189 SF	251	M.S. COMMONS / CLASSROOM	760 SF
233	EXC. ASSIT/BUDGET	130 SF	ST-3	STAIRS	22072 SF
234	DIRECTOR OF ACADEMICS	130 SF	SUBTOTAL		
235	DIRECTOR OF STUDENT SUPPORT	130 SF	134-7	MECH CHASE	32 SF
236	DEAN OF STUDENTS	136 SF	134-8	MECHANICAL CHASE	35 SF
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210	OPEN AREA	1666 SF	238-1	R.R.	57 SF
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203	M.S. COMMONS / CLASSROOM	760 SF	SUBTOTAL		1701 SF
204	6TH GRADE CLASSROOM	760 SF	TOTAL		32889 SF
205	6TH GRADE CLASSROOM	760 SF			

RCP KEY NOTES

KN.1	ACOUSTICAL CEILING PANEL
KN.2	LIGHT FIXTURE - REF. TO MEP DRAWINGS
KN.3	JBOX FOR FUTURE ELECTRICAL FIXTURE REF. TO MEP
KN.4	CONDUIT REF. TO SCHEDULE
KN.5	DUCT WORK REF. TO FINISH SCHEDULE
KN.6	MECHANICAL EQUIPMENT REF. TO MEP AND FINISH SCHEDULE
KN.7	MECHANICAL DIFFUSER / RETURN GRILL REF. TO FINISH SCHEDULE
KN.8	CABLE TRAY
KN.9	EXPOSED PLUMBING LINES REF. TO FINISH SCHEDULES
KN.10	14 DIAMETER FAN
KN.11	EMERGENCY EXIT
KN.12	ROOF HATCH AND SAFETY RAILING. REF. ROOF PLAN.

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2101 JOE BATTLE BLVD
EL PASO TX, 79938

DATE 12.21.2020
REVISIONS

SHEET TITLE
RCP 2ND LVL

SHEET NUMBER

AA111

ELECTRICAL SPECIFICATIONS

- THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE NATIONAL ELECTRICAL CODE, ENERGY CODE AS ADOPTED AND INTERPRETED BY THE STATE OF TEXAS AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITION REGARDING MECHANICAL SYSTEMS, FIRE SYSTEMS AND ELECTRICAL SYSTEMS. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED, WHERE THE DRAWINGS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE OWNER, ARCHITECT AND ENGINEERS ARE FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- ALL WORK SHALL CONFORM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED.
- ALL MATERIALS SHALL BE NEW, EXCEPT WHERE NOTED OTHERWISE. ALL WORK SHALL PRESENT A NEAT AND MECHANICAL APPEARANCE WHEN COMPLETED AND SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER OR OWNER. SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- CONTRACTOR SHALL SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIAL SPECIFIED. CONTRACTOR SHALL INDICATE AND/OR PROVIDE NAME OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF SIX (6) COPIES, ELECTRONIC FORMAT, OR AS DIRECTED BY THE ENGINEER. EACH SECTION SHALL BE SUBMITTED AND SHALL INCLUDE ALL ITEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATION OR IN SCHEDULES ON THE DRAWINGS.
- PROVIDE THE OWNER WITH THREE (3) COPIES OF ALL INSTALLATIONS INSTRUCTIONS, PRODUCT DATA SUBMITTAL INFORMATION, WARRANTIES, CONTACT INFORMATION DURING WARRANTY PERIOD, AND BALANCING REPORTS IN 3-RING BINDERS.
- ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH IT IS INSTALLED. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND/OR ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER ELECTRICAL SERVICES TO AREA OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING TO BE APPROVED BY THE OWNER'S FACILITY MANAGEMENT, OWNER, ARCHITECT, OR ENGINEER. CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK. FACILITY MANAGEMENT, OWNER, ARCHITECT OR ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT OFFICE. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES.
- ALL WIRING SHALL BE RUN IN RIGID CONDUIT, INTERMEDIATE METALLIC CONDUIT (IMC) OR ELECTRICAL METALLIC TUBING (EMT) INSTALLED IN ACCORDANCE WITH THE NEC. MC CABLE IS ALLOWED FOR FIXTURE WHIPS ONLY. ALUMINUM CONDUIT SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS. EMT OR ALUMINUM CONDUIT SHALL NOT BE INSTALLED IN CONCRETE SLABS OR BELOW GRADE. MINIMUM SIZE 3/4 INCH. ALL CONDUITS CONTAINING POWER CONDUCTORS SHALL CONTAIN AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. A #9 PULL WIRE SHALL BE INSTALLED IN EACH EMPTY CONDUIT.
- INCREASE BRANCH CIRCUIT WIRE SIZE AS REQUIRED TO PREVENT EXCESSIVE VOLTAGE DROP AS FOLLOWS: 60' TO 100' - #10 AWG; OVER 100' - #8 AWG.
- THE CONDUIT SYSTEM AND NEUTRAL CONDUCTOR OF THE WIRING SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE NEC AND ALL LOCAL CODES AND ORDINANCES. GROUNDING AND BONDING SHALL COMPLY WITH ALL THE APPLICABLE REQUIREMENTS OF THE NEC.
- USE THE FOLLOWING WIRING COLOR CODE:

120/208	277/480
PHASE A BLACK	BROWN
PHASE B RED	ORANGE
PHASE C BLUE	YELLOW
NEUTRAL WHITE	GRAY
GROUND GREEN	GREEN
SWITCH PINK/PURPLE	PINK/PURPLE
- BURIED ELECTRICAL CONDUITS SHALL BE MARKED PER CODE REQUIREMENTS WITH UNDERGROUND WARNING TAPE 3" BELOW FINISHED GRADE. TAPE SHALL BE 4" WIDE COLORED RED WITH SUITABLE WARNING LEGEND PER ASMB A13.1.
- CONTRACTOR TO PROVIDE BLANK COVER FOR ALL J-BOXES AND WEATHERPROOF COVERS FOR J-BOXES IN WET LOCATIONS.
- ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF THE MOST CURRENT ANS/CSCTE77. WHEN MULTIPLE TIERS ARE SPECIFIED THE BOXES MUST PHYSICALLY ACCOMMODATE AND STRUCTURALLY SUPPORT COMPATIBLE COVER WHILE POSSESSING THE HIGHEST TIER RATING. ALL COVERS ARE REQUIRED TO HAVE THE TIER LEVEL RATING EMBOSSED ON THE SURFACE. IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFING TOOLING. INDEPENDENT THIRD PARTY VERIFICATION OR TEST REPORTS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER CERTIFYING THAT ALL TEST PROVISIONS OF THIS SPECIFICATION HAVE BEEN MET ARE REQUIRED WITH EACH SUBMITTAL. CONTRACTOR TO ENSURE EXACT LOCATION AND PLACEMENT OF BOXES AND COVERS AND PROVIDE THE RATING REQUIRED BY LOCAL AND NATIONAL CODES.
- ELECTRICAL PANELS SHALL BE PANELBOARDS, HAVE COPPER BUSS, BOLTED CIRCUIT BREAKERS, KAIG RATING AS NOTED, PROVIDE TYPED AND LAMINATED COMPLETE SCHEDULE.
- ALL DISCONNECTS SHALL BE HEAVY DUTY RATED.

ELECTRICAL SYMBOL LEGEND

- THESE SYMBOLS COMPRISE A STANDARD LIST; NOT ALL SYMBOLS MAY APPEAR ON THIS PROJECT.
- ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE ABOVE FINISHED FLOOR. MOUNTING HEIGHTS INDICATED ON ARCHITECTURAL WALL ELEVATIONS OR AS NOTED SPECIFICALLY ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS LISTED BELOW.

LIGHTING SYMBOLS		POWER SYMBOLS		SPECIAL SYSETEMS SYMBOLS		FIRE ALARM SYSTEM SYMBOLS		
SYMBOL	DESCRIPTION	MTG. HT.	SYMBOL	DESCRIPTION	MTG. HT.	SYMBOL	DESCRIPTION	MTG. HT.
A	FLUORESCENT OR LED LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	JUNCTION BOX		⊠	DATA/TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"
⊕	DIRECTIONAL LIGHT, LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊖	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED	18"	⊠	PULL STATION WITH STOPPER, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	48"
E	WALL MOUNTED FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		SW	SWITCH		⊠	STROBE, NUMBER DENOTES 'd'f RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
E	RECESSED CAN FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		IC	STANDARD 20A DOUBLE POLE		⊠	PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
EF-1	EXHAUST FAN, REFER TO MECHANICAL PLANS		GF	15A OR 20A FOR UPS		⊠	TELEPHONE CONDUIT WITH PULLSTRING	
EF	POLE LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		0	DEDICATED 5-20R EM EMERGENCY C. LOADS PROOF		⊠	RACEWAY/AMBREWAY ASSEMBLY DOWN	
P2	DECORATIVE POLE LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		1	RED PLOT LIGHT		⊠	RACEWAY/AMBREWAY ASSEMBLY UP	
N	BOLLARD LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		2	DOUBLE POLE		⊠	TERMINATE WITH ISOLATED PLASTIC BUSHING	
E	CEILING FAN WITH OR WITHOUT LIGHTING KIT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		3	THREE WAY		⊠	HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF WIRES, ARROWS INDICATE QUANTITY OF CIRCUITS, NUMBERS INDICATE PANEL AND CIRCUITS	
EM	EMERGENCY LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		4	FOUR WAY		⊠	HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF WIRES, ARROWS INDICATE QUANTITY OF CIRCUITS, SOLID CIRCLE INDICATED GROUND, OPEN CIRCLE INDICATE ISOLATED GROUND, NUMBERS INDICATE PANEL AND CIRCUITS	
X1	EXIT LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		OR	SLEWER DIMMER (THROW AWAY)		⊠	HOME RUN TO PANELBOARD, CROSS MARK ON ARROW INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.	
\$	WALL SWITCH, 20A SINGLE POLE, SINGLE THROW	48"	OU	OCCUPANCY SENSOR, WITH BYPASS (NON-RED SENSORS)		⊠	HOME RUN TO PANELBOARD, CROSS MARK INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.	
			OC	OCCUPANCY SENSOR, WITH BYPASS ULTRASONIC SENSOR		⊠	HOME RUN, CROSS MARK INDICATE CIRCUIT, HALF CIRCLE INDICATE SWITCH LESS	
			OC	OCCUPANCY SENSOR, WITH BYPASS DUAL TECHNOLOGY SENSOR (INFRARED & ULTRASONIC)		⊠	PANELBOARD, REFER TO CORRESPONDING PANEL SCHEDULE	

ELECTRICAL GENERAL NOTES

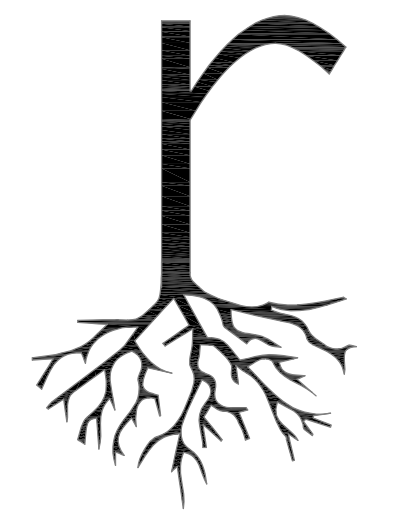
- GENERAL
- THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT CONDITIONS.
 - ALL ELECTRICAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL ARCHITECTURAL AND MECHANICAL EQUIPMENT AND PROVIDE ELECTRICAL CONNECTIONS IN THIS CONTRACT FOR ANY ITEM REQUIRED.
 - THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH PROJECT PRIOR TO THE BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD, IN REGARD TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF THE WORK OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER FOR CLARIFICATION PRIOR TO AWARD OF CONTRACT.
 - IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN THEIR BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
 - LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED, COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR EXACT LOCATIONS.
 - THE CONDUIT RUNS AS SHOWN ON PLANS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.
 - CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
 - SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS.
 - CONTRACTOR SHALL MAKE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. PROVIDE UPDATED TYPED WRITTEN DIRECTORIES FOR ALL PANELS AND LABEL ALL PANELS WITH PLASTIC LAMINATED NAMEPLATES.
 - INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
 - ALL ELECTRICAL WIRING AND HOME RUN CIRCUITING TO PANELS SHALL BE ROUTED IN CONDUIT, MIN SIZE 3/4" EMT CONDUIT IF NOT NOTED ON DRAWINGS.
 - REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL GEAR.
 - AFTER THE CONTRACTOR HAS RECEIVED APPROVED SHOP DRAWINGS FOR THE ELECTRICAL DISTRIBUTION EQUIPMENT, THEY SHALL SUBMIT SCALED LAYOUTS OF ALL ELECTRICAL EQUIPMENT TO THE ENGINEER FOR APPROVAL TO ENSURE THAT ALL CLEARANCE REQUIREMENTS ARE MET. THIS SUBMITTAL SHALL BE PROVIDED WITH SUFFICIENT TIME SO AS NOT INTERFERE WITH THE TIMELY EXECUTION OF THE ROUGH-IN WORK THAT WILL BE REQUIRED.
 - WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
 - ALL NEW WIRING SHALL BE COPPER, MIN #12 THWN CU.
 - MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS: OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
 - ELECTRICIAN TO CONFIRM POWER REQUIREMENTS FOR MECHANICAL EQUIPMENT DELIVERED ON SITE.
 - ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ARCHITECTURAL WALL OR CEILING.
 - CONTRACTOR SHALL SAW CUT AND PATCH ASPHALT, CONCRETE OR OTHER MATERIAL ENCOUNTERED AS REQUIRED TO INSTALL NEW UNDERGROUND RACEWAY. REFER TO ARCHITECTURAL REGARDING PATCHING REQUIREMENTS.
 - CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LAY-IN FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND MECHANICAL DIFFUSERS PRIOR TO INSTALLATION OF FIXTURES.
 - PROVIDE BLANK METAL COVERPLATE OVER ALL UNUSED OUTLET BOXES. PAINT COVERPLATE TO MATCH ADJACENT SURFACES.
 - OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO SWITCHES, TELEPHONE OUTLETS, DATA OUTLETS, HVAC SENSORS, ETC.. ANY DEVICE THAT HAS TO BE RELOCATED DUE TO CONTRACTOR'S FAILURE TO COORDINATE LOCATION WITH COUNTERTOPS, CHALKBOARDS, TACKBOARDS, ETC. WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
 - ALL RECEPTABLES TO BE 20A COMMERCIAL GRADE, IVORY OR AS SELECTED BY OWNER. WALL PLATES TO MATCH. ISOLATED GROUND DUPLEX RECEPTABLES (IG) WILL BE ORANGE BODY AND FACE PLATE.
 - INSTALL WALL MOUNTED LIGHT FIXTURES, SWITCHES, OUTLETS, AND COMMUNICATION DEVICES IN STRICT COORDINATION WITH ARCHITECTURAL DETAILS, SECTIONS AND ELEVATIONS.
 - FIRESTOPPING OF PENETRATIONS IN FIRE-RATED WALLS, FLOORS, etc. SHALL BE DONE BY A FIRESTOPPING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL MAKE REQUIRED PENETRATIONS IN RATED WALLS, FLOORS, etc. NEATLY AND WITH A CUTTING TOOL. THE CONTRACTOR SHALL MAKE THE PENETRATIONS NO LARGER THAN NECESSARY, AND THE CONTRACTOR SHALL COORDINATE ALL SUCH PENETRATIONS WITH THE FIRE STOPPING CONTRACTOR BEFORE SUCH PENETRATIONS ARE MADE.
 - PROVIDE 1" CONDUIT, WITH PULLSTRING FROM COMMUNICATION OUTLETS TO ABOVE SUSPENDED CEILING.
 - SUPPORT ALL FIXTURES FROM STRUCTURE ABOVE. CEILING TILES OR PLASTER CEILING SHALL NOT SUPPORT FIXTURES.
 - FINISHED FLOOR ELEVATIONS FOR OUTLETS AND OTHER DEVICES ARE TO CENTER OF BOX. WHERE MILLWORK IS PRESENT, BOTTOM OF BOX SHALL BE MINIMUM OF 2" ABOVE BACK- SPLASH, REGARDLESS OF DIMENSION SHOWN ON PLANS.
 - SUPPORT HORIZONTAL RUNS OF EMT CONDUIT EVERY 10'-0" AND AT EVERY FITTING, BOX, PANEL, etc..
 - USE GLAND RING COMPRESSION THREADED FITTINGS WITH INSULATED THROAT FOR EMT CONDUIT. DOUBLE SET SCREW FITTINGS ARE ACCEPTABLE FOR 2-1/2" CONDUIT AND LARGER ONLY.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR THE MECHANICAL EQUIPMENT'S ELECTRICAL REQUIREMENTS, INCLUDING POWER, CONTROL, COMMUNICATION, AND MONITORING, OF EACH DEVICE PROVIDED AND/OR INSTALLED BY MECHANICAL CONTRACTOR.
 - BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH, WATER (EXCEPT AS REQD), VERMIN, ETC..
 - DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL CONDUIT INSTALLED ON THE ROOF MUST BE SUPPORTED, WITH CONDUIT SUPPORTS EVERY 10'-0". CONDUIT SUPPORT TO BE DURA-BLOCK, CONTRACTOR TO PROVIDED SIZED AND ACCESSORIES REQUIRED.
 - ALL GFCI RATED RECEPTACLE SHALL BE INSTALLED IN AN ACCESSIBLE SERVICE LOCATION, IT SHALL NOT BE INSTALLED BEHIND ANY EQUIPMENT. IF NEEDED CONTRACTOR SHALL HAVE THE OPTION TO PROVIDE A GFCI RATED CIRCUIT BREAKER WHERE REQUIRED BY CODE. ALL EQUIPMENT GFCI RATED RECEPTABLES SHALL NOT BE INSTALLED MORE THAN 12" FROM SERVING EQUIPMENT. COORDINATE ALL LOCATIONS WITH EQUIPMENT INSTALLER BEFORE DOING ANY WORK.
 - CONTRACTOR MUST PROVIDE DUCT SMOKE DETECTORS IN HVAC UNITS 2,000 CFM AND ABOVE. PROVIDE REMOTE TEST SWITCH AND MAKE CONNECTIONS AS REQUIRED.
 - FINAL ELECTRIC SERVICE IS BASED ON CONNECTED LOAD CALCULATIONS. CONTRACTOR SHALL COORDINATE WITH LOCAL ELECTRIC COMPANY FOR ANY REQUIREMENTS PRIOR TO PROJECT STARTUP. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING LOCAL ELECTRIC COMPANY STANDARDS, (EPEC BLUE BOOK), FOR SERVICE INSTALLATION.
 - ALL ELECTRICAL JUNCTION BOXES SIMILAR ELECTRICAL EQUIPMENT MUST BE PLACED IN A MANNER THAT PROVIDE COMPLETE SERVICEABILITY FOR THE JUNCTION BOX AND/ OR EQUIPMENT AS WELL AS ANY OTHER ADJACENT MEP EQUIPMENT. ANY CONFLICTS THAT ARISE FROM IMPROPER PLACEMENT ARE TO BE CORRECTED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
 - PER NFPA 25- STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS PARAGRAPH 5.2.2.2 "SPRINKLER PIPING SHALL NOT BE SUBJECTED TO EXTERNAL LOADS BY MATERIAL EITHER RESTING ON THE PIPE OR HUNG FROM THE PIPE. SUCH EXTERNAL LOADS INCLUDE BUT IS NOT LIMITED TO CEILING SYSTEMS, CEILING SUPPORT SYSTEM, LOW VOLTAGE CABLES OF ANY KIND, ELECTRICAL CONDUIT AND WIRING SYSTEMS, PLUMBING PIPING SYSTEMS, HVAC SYSTEMS, INSULATION ON EITHER PLUMBING OR HVAC, STRUCTURAL SUPPORTS OR BRACING. ANY CONFLICTS THAT ARISE FROM IMPROPER PLACEMENT ARE TO BE CORRECTED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.

ELECTRICAL SYMBOL LEGEND

A OR AMP	AMPERE	NEC	NATIONAL ELECTRIC CODE
AF	AMP FUSED	NEUT	NEUTRAL
AF	ABOVE FINISH FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
AHU	AIR HANDLING UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AIC	AMPS INTERRUPTING CAPACITY	NF	NON FUSED
AL	ALUMINUM	NO	NORMALLY OPEN
AC	ABOVE COUNTER	PB	PUSHBUTTON
COND./C	CONDUIT	PC	PHOTOCELL
OKT	CIRCUIT	PH	PHASE
CLG	CEILING	PNL	PANEL
CONN	CONNECTION	PRV	POWER ROOF VENTILATION
CU	CUPPED	PVC	PLASTIC CONDUIT
DISC	DISCONNECT	RECEP	RECEPTACLE
EM	ELECTRICAL CONTRACTOR	RTU	ROOF TOP UNIT
EC	EMERGENCY	SW	SWITCH
EPEC	EL PASO ELECTRIC COMPANY EQUIPMENTS	TC	TIMER CONTACTOR
EWG	ELECTRICAL WATER COOLER	TEL	TELEPHONE
EWH	ELECTRICAL WATER HEATER	T OR TRAN	TRANSFORMER
FA	FIRE ALARM	TYP	TYPICAL
FLA	FULL LOAD AMPERES	UG	UNDER GROUND
FLOUR	FLUORESCENT	UH	UNIT HEATER
F	FUSE	UV	UNIT VENTILATOR
GC	GENERAL CONTRACTOR	V	VOLT
GFI	GROUND FAULT INTERRUPTER	VA	VOLT AMPERES
GND	GROUND	W	WATTS
GRS	GALVANIZED RIGID STEEL	WP	WEATHER PROOF
HP	HORSE POWER	W/O	WITHOUT
HZ	HERTZ	WTR	WATER
IG	ISOLATED GROUND	Y	WYE CONNECTED
J-BOX	JUNCTION BOX	ø	PHASE
KV	KILOVOLT		
KVA	KILOVOLT AMPERES		
KW	KILOWATT		
LTC	LIGHTING		
MC/MECH	MECHANICAL CONTRACTOR		
MCM	THOUSAND CIRCULAR MIL		
MD	MOUNTED		
NC	NORMALLY CLOSED		

ELECTRICAL SYMBOL LEGEND

CONTRACTOR	MEANS THE PERSON(S), FIRM OR COMPANY WHOSE TENDER FOR THE ELECTRICAL INSTALLATION HAS BEEN ACCEPTED BY THE EMPLOYER AND INCLUDE THE CONTRACTOR'S PERSONAL REPRESENTATIVE, SUCCESSOR, AND PERMITTED ASSISTANTS.(The word "Contractor" may also mean sub-contractor as the context requires.)
DRAWINGS	MEANS THE DRAWINGS REFERRED TO IN THE CONTRACT AND ANY MODIFICATION OF SUCH DRAWINGS APPROVED BY THE ARCHITECT AND SUCH OTHER DRAWINGS AS MAY FROM TIME TO TIME BE FURNISHED OR APPROVED IN WRING BY ARCHITECT.
EQUIPMENT SUPPLIER	MEANS A PERSON WHO GENERATE, SUPPLIES AND SELLS SPECIAL EQUIPMENT FOR USE IN THE PROJECT.
PROVIDE	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.
OR EQUAL	EQUAL IN QUALITY AND FUNCTION.
INSTALL	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.



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ARCHITECTS



12.21.2020

EPLA - IMPROVEMENT

2101 JOE BATTLE BLVD
EL PASO TX, 79938

DATE	11.16.2020
REVISIONS	

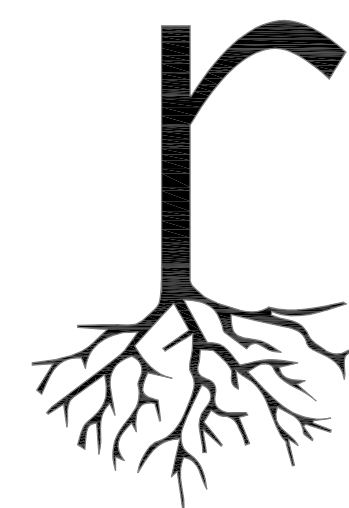
SHEET TITLE

**ELECTRICAL
GENERAL
NOTES**

SHEET NUMBER

E100

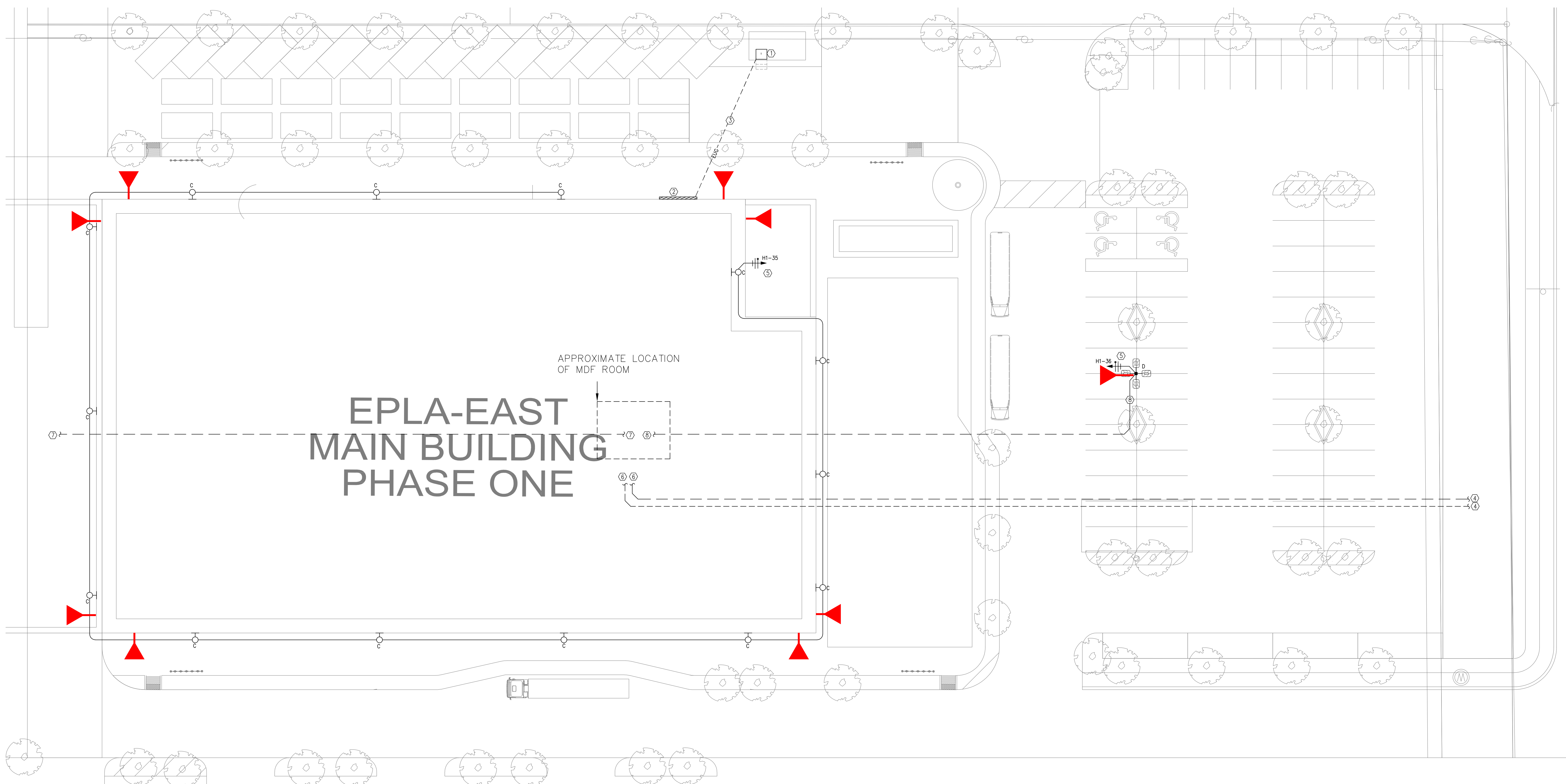




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12.21.2020



EPLA-EAST MAIN BUILDING PHASE ONE

1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

ELECTRICAL SITE PLAN KEYED NOTES

- 1 LOCATION OF LOCAL ELECTRIC CO. TRANSFORMER. COORDINATE WITH LOCAL ELECTRIC CO. BEFORE DOING ANY WORK. FINAL LOCATION OF TRANSFORMER AND ELECTRIC METER TO BE DETERMINED BY LOCAL ELECTRIC CO.
- 2 LOCATION OF EPEC METER AND MAIN DISCONNECT, REFER TO ELECTRICAL RISER DIAGRAM 1/E500.
- 3 (4) 3" CONDUITS EACH WITH 4-#350 MCM THWN CU. CONDUCTORS.
- 4 4" CONDUIT WITH PULLSTRING TO NEAREST TELEPHONE OR CABLE PULLBOX. COORDINATE WITH LOCAL UTILITY COMPANY BEFORE DOING ANY WORK.
- 5 THIS CIRCUIT TO BE WIRED THRU TIMER CONTACTOR. TIMER CONTACTOR TO BE CONTROLLED BY PHOTOCELL.
- 6 4" CONDUIT WITH PULLSTRING TO 'MDF ROOM'.
- 7 2" CONDUIT FROM 'MDF ROOM' BUILDING PERIMETER FROM PHASE II SITE. COORDINATE WITH OWNER FOR EXACT LOCATION OF CONDUIT SUBUP.
- 8 2" CONDUIT FROM 'MDF ROOM' TO LIGHT POLE BASE. COORDINATE WITH OWNER FOR EXACT REQUIREMENTS.

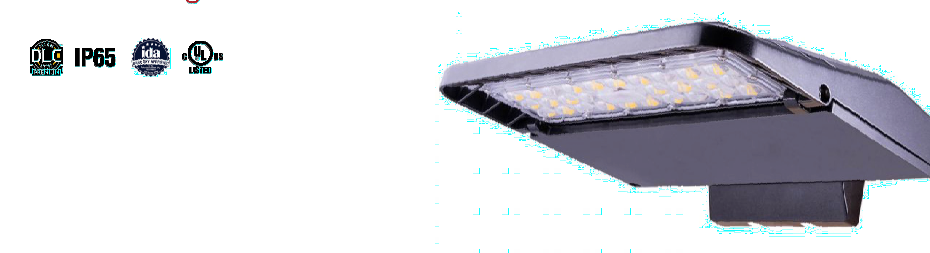
ZONING	LIGHTING ORDINANCE ZONE	PROJECTED AREA (ACRE)	ALLOWED LUMENS PER ACRE	PERMITTED TOTAL LUMENS (AREA*ALLOWED LUMENS)
C1	E4	3.18	1,000,000	3,181,772

SYMBOL	TYPE	LAMP SOURCE	LUMENS PER LAMP	QUANTITY	TOTAL LUMENS
TYPE 'C'	WALL	78 W LED	10,000	14	140,000
TYPE 'D'	POLE	229W MH	28,000	4	112,000
TOTAL PROJECT LUMENS					252,000

TYPE	MANUFACTURER/MODEL NO.	SUPPLY	DIM	LED	WATTS	TEMP.	COLOR	MOUNTING	NOTES
D	LSI LCD6 LED 14L UNV DIM1 40 FL	277V		14W LED	40K		CBA	RECESSED	
B	METALUMEN #IRM4D-1L35K-8-MD-L4 1 PAA 4	277V		100W LED	40K		WHT	PENDANT	
BE	METALUMEN #IRM4D-1L35K-8-MD-L4 E PAA 4	277V		100W LED	40K		WHT	PENDANT	
B1	METALUMEN #IRM4D-1L35K-4-MD-L4 1 PAA 4	277V		50W LED	40K		WHT	PENDANT	
B2	METALUMEN #IRM4D-1L35K-C16-MD-L4 1 PAA 4	277V		200W LED	40K		WHT	PENDANT	
B2E	METALUMEN #IRM4D-1L35K-C16-MD-L4 B PAA 4	277V		200W LED	40K		WHT	PENDANT	
SE	LSI W444 LED SS NW UE EM	277V		35W LED	40K		WHT	WALL	
C	LSI SMW-LED-10L-3-UNV-DIM-40	277V		78W LED				WALL	
D	LSI SMA-LED-28L-4-3-UNV-ACR-FT-40-5SQ50	277V		229W LED				50' POLE	
C	WILLIAMS 76R 4 L72 840 DIM UNV	277V		50W LED	40K		WHT	SURFACE	
G	FSW 2 30 830 UNV DIM	120V		29 9W LED				WALL	
X1	MULE LIGHTING MDC U R A A REM	120V		INCLUDED			WH	CEILING/WALL	[1]
EL	MULE LIGHTING EM-80 W	120V		INCLUDED			WH	WALL	[1]
EX	MULE LIGHTING RLED-2-WP	120V		INCLUDED			WH	WALL	[2]

NOTES: [1] PROVIDE WITH 90 MIN. MINIMUM POWER LIFE BATTERY
[2] REMOTE MOUNTED EMERGENCY HEAD, CONNECT TO INTERIOR EXIT SIGN.

Medium Commercial Wall (SMW) LED Wall Light

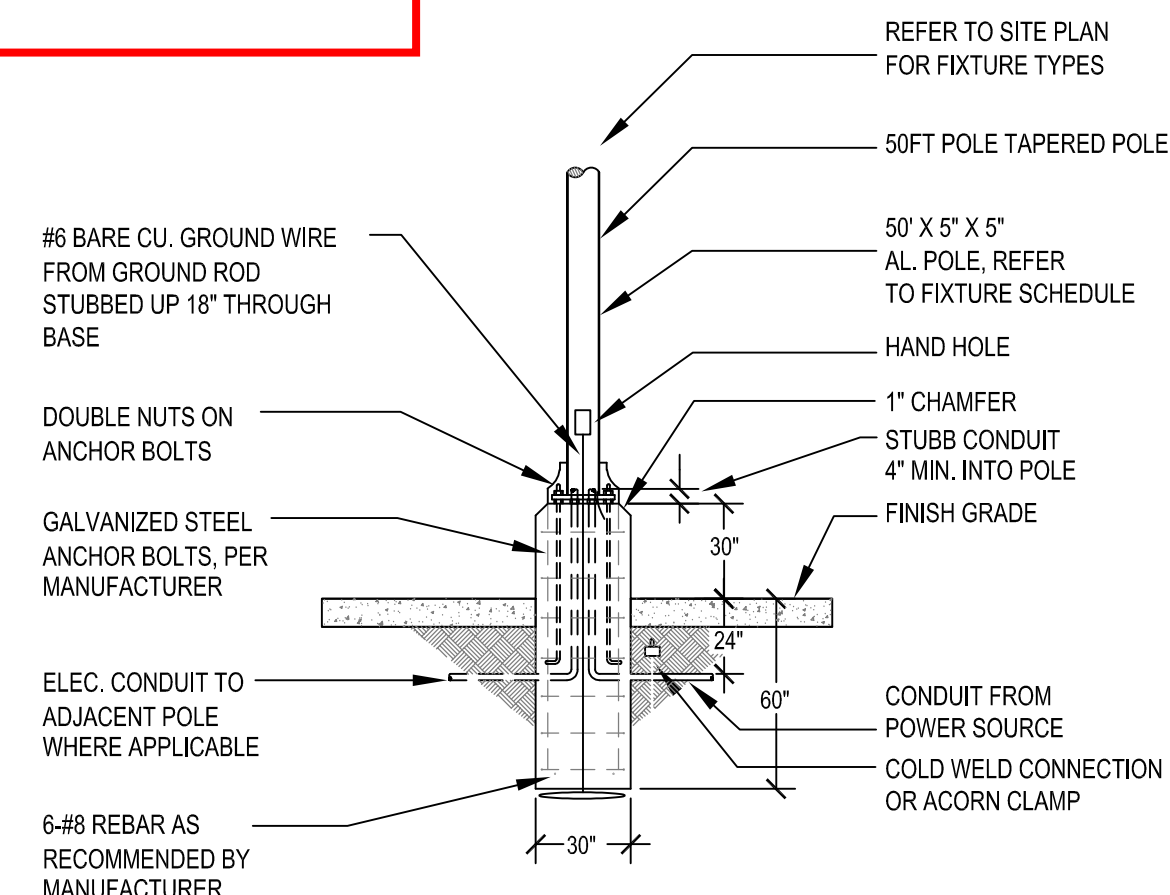


QUICK LINKS
Color Scale
Performance
Photometrics
Dimensions

FEATURES & SPECIFICATIONS

- Construction**
 - Rugged die-cast aluminum housing for maximum durability and weather resistance from harsh environments.
 - IP65 rating for dust and moisture resistance.
 - Pressure-impregnated (PIE) cast aluminum housing for superior strength.
 - Zero-lead or (Pb) free.
 - Available in black, white, or custom color.
 - Temperature per AIAA C78.277.
 - Minimum CRF of 50.
- Optical System**
 - Precision engineered (PIE) cast aluminum housing for superior strength.
 - Zero-lead or (Pb) free.
 - Available in black, white, or custom color.
 - Temperature per AIAA C78.277.
 - Minimum CRF of 50.
- Electrical**
 - 120V, 60Hz, 60W, 100W, 150W, 200W, 229W, 300W, 400W, 500W, 600W, 700W, 800W, 900W, 1000W, 1200W, 1500W, 2000W, 2500W, 3000W, 4000W, 5000W, 6000W, 7000W, 8000W, 9000W, 10000W.
 - 120V, 60Hz, 60W, 100W, 150W, 200W, 229W, 300W, 400W, 500W, 600W, 700W, 800W, 900W, 1000W, 1200W, 1500W, 2000W, 2500W, 3000W, 4000W, 5000W, 6000W, 7000W, 8000W, 9000W, 10000W.
- LED**
 - L70 Collocated life >100k hours.
 - High temperature operation: -40°C to +40°C.
 - Operating temperature: -40°C to +40°C.
 - Power Factor > 0.9.
 - High efficacy LED (up to 130lm/W).
 - High efficacy LED (up to 130lm/W).
 - High efficacy LED (up to 130lm/W).
- Warranty**
 - 5-year warranty (or 50,000 hours) on LED components.
 - 3-year warranty (or 30,000 hours) on other components.
 - 1-year warranty (or 10,000 hours) on labor.
 - LED components are covered by the manufacturer's warranty.
 - LED components are covered by the manufacturer's warranty.
 - LED components are covered by the manufacturer's warranty.

Exterior Camera. Coordinate final location and viewing angle with Design-BUILDER and Owner. Rough-in by Design-BUILDER.



TYPICAL LIGHT POLE BASE DETAIL

GENERAL NOTES

- A. CONTRACTOR TO COORDINATE AND VERIFY WITH THE POLE LIGHTS VENDOR FOR FINAL INSTALLATION DETAIL AND PERFORM AS PER MANUFACTURER TO MEET WIND RATING.
- B. 18" DIA. ROUND HOLE MAY BE DRILLED FOR BASE, BUT TOP OF BASE SHALL BE SQUARED.

EPLA - IMPROVEMENT
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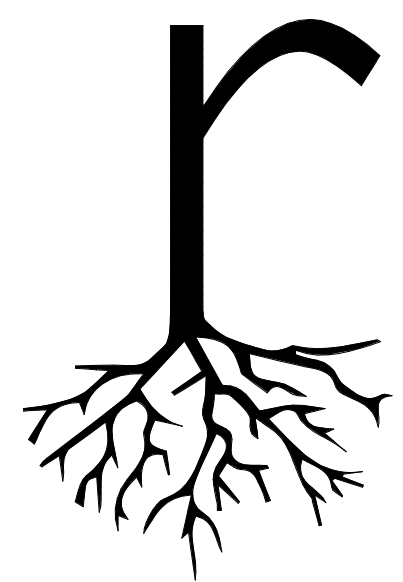
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REVISIONS:

SHEET TITLE:
**ELECTRICAL
SITE PLAN**

SHEET NUMBER:
E101



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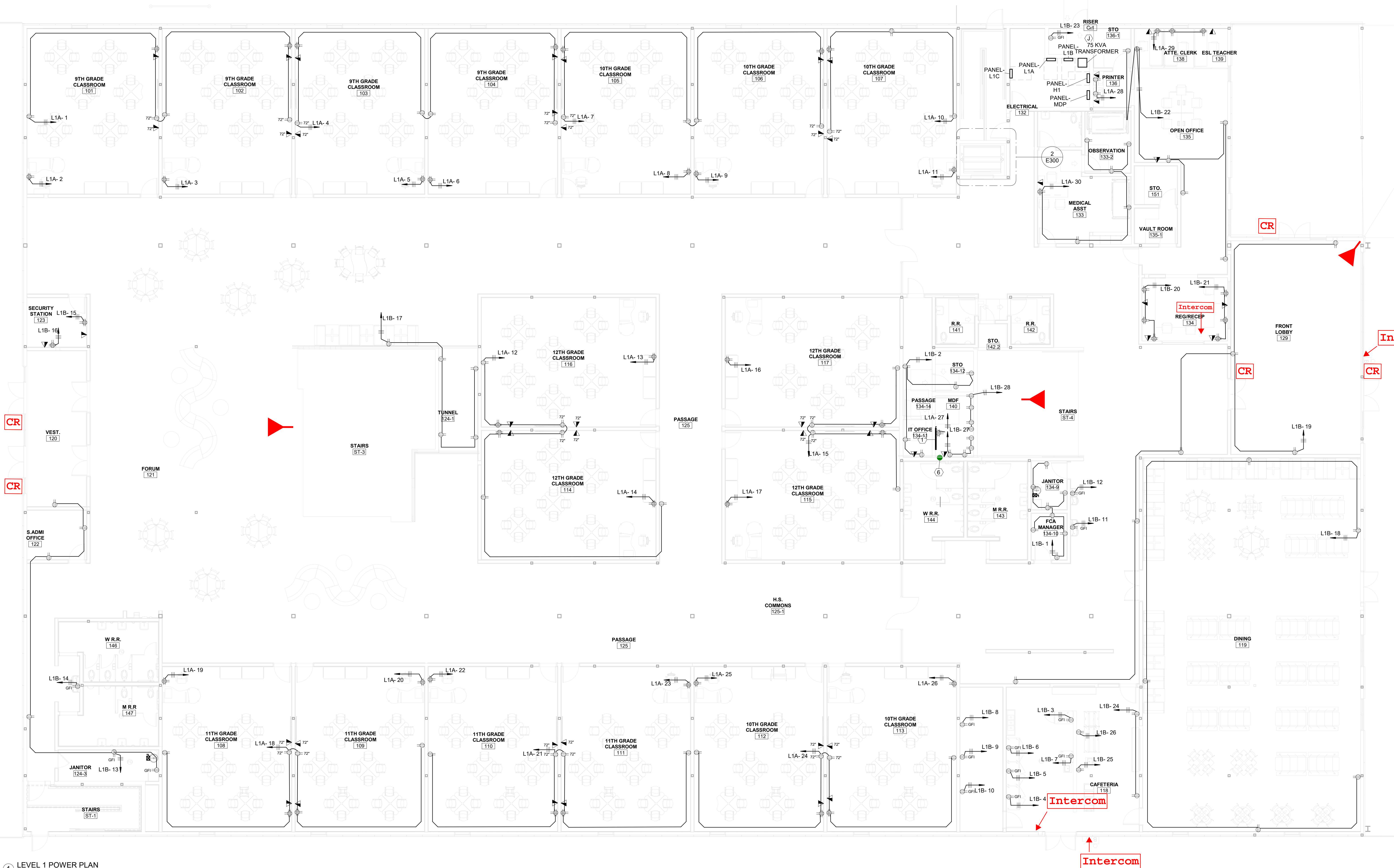
root ARCHITECTS



12-21-20

GENERAL NOTES

- A. ALL RECEPTACLES AND DATA LOCATIONS ARE TO BE VERIFIED BY OWNER PRIOR TO ROUGH-IN TO ENSURE FURNITURE LAYOUTS ARE COORDINATED.
- B. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT AS PER NEC 2014 406.12(C).
- C. PROVIDE ALL CONDUIT ROUGH-IN FOR SPECIAL SYSTEMS.



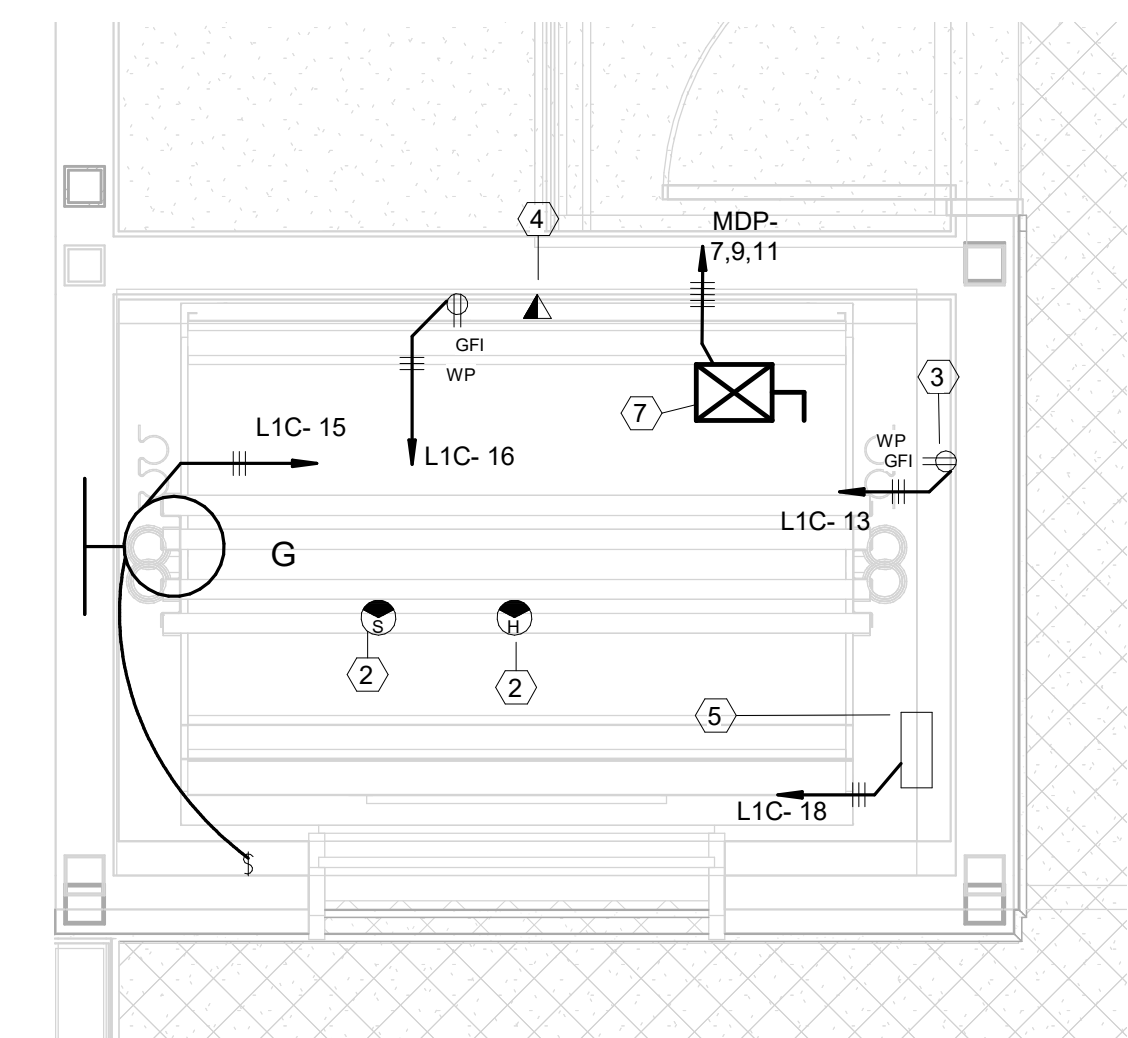
1 LEVEL 1 POWER PLAN
1/8" = 1'-0"

KEYED NOTES	
1	INSTALL 4'X4'X5/8" FIRE TREATED PLYWOOD AND 4" ABOVE FINISH FLOOR. INSTALL GROUND BAR WITH #6 CU. GROUND TO BUILDING STEEL. COORDINATE WITH OWNER FOR EXACT LOCATION.
2	MAKE CONNECTIONS TO FIRE ALARM CONTROL PANEL. FIRE ALARM TO BE INSTALLED BY OTHERS.
3	GFI RECEPTACLE FOR SUMP PUMP.
4	INSTALL TELEPHONE DATA BOX FOR DEDICATED TELEPHONE LINE. COORDINATE WITH ELEVATOR INSTALLER FOR REQUIREMENTS.
5	CIRCUIT BREAKER ENCLOSURE FOR ELEVATOR CAB LIGHTS. COORDINATE WITH EQUIPMENT INSTALLER.
6	(2) 4" SLEEVES FROM MDF ROOM TO IDF ROOM ON SECOND FLOOR. COORDINATE WITH OWNER FOR EXACT REQUIREMENTS AND LOCATION.
7	PROVIDE AND INSTALL 60A, 3 POLE, 3PH CIRCUIT BREAKER WITH SHUNT TRIP. MAKE CONNECTIONS TO ELEVATOR SYSTEM AS REQUIRED. COORDINATE WITH EQUIPMENT INSTALLER FOR EXACT LOCATION AND POWER SUPPLY REQUIREMENTS.

Interior Camera. Coordinate final location and viewing angle with Design-Builder and Owner. Rough-in by Design-Builder.

Point-to-Point intercom system. Coordinate final location with Design-Builder and Owner. Rough-in by Design-Builder.

Proximity Card Reader. Coordinate final location with Design-Builder and Owner. Rough-in by Design-Builder.



2 ELEVATOR POWER PLAN
1/2" = 1'-0"

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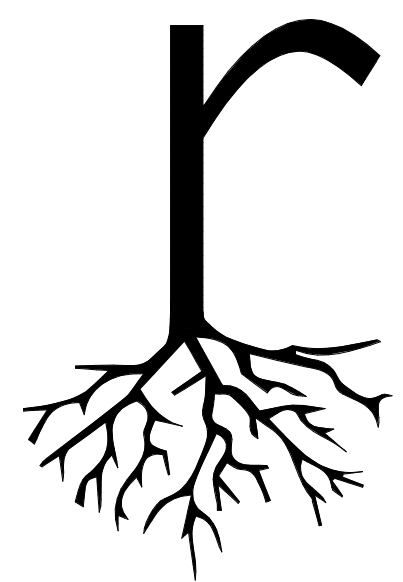
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POWER PLAN
LEVEL 1

SHEET NUMBER

E300





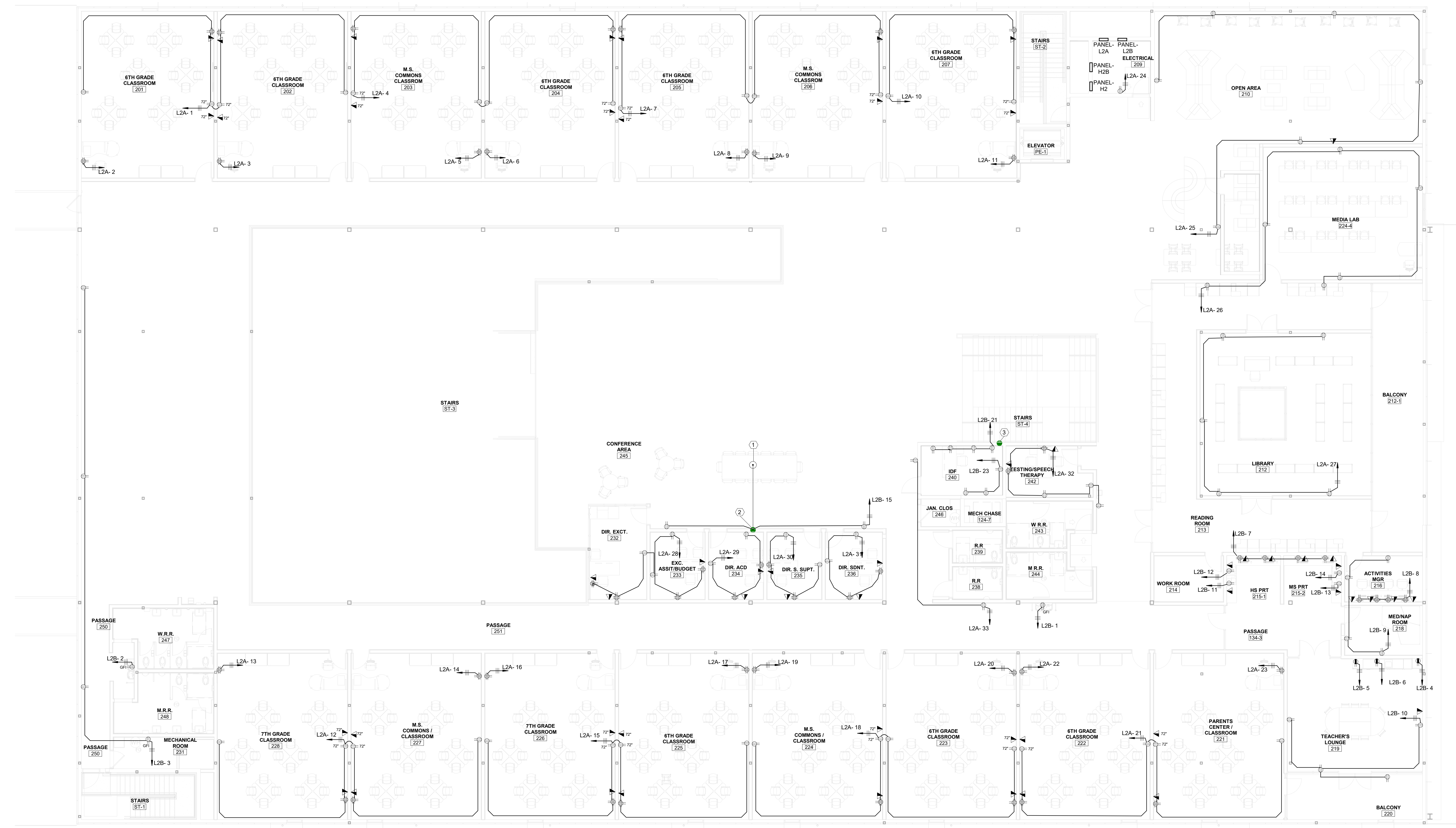
root
ARCHITECTS



12-21-20

GENERAL NOTES

- A. ALL RECEPTACLES AND DATA LOCATIONS ARE TO BE VERIFIED BY OWNER PRIOR TO ROUGH-IN TO ENSURE FURNITURE LAYOUTS ARE COORDINATED.
- B. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT AS PER NEC 2014 406.12(C).
- C. PROVIDE ALL CONDUIT ROUGH-IN FOR SPECIAL SYSTEMS.



1 LEVEL 2 POWER PLAN
1/8" = 1'-0"

KEYED NOTES	
1	PROVIDE AND INSTALL POKE BOX WITH ONE QUAD RECEPTACLES AND SEPARATE SIDE FOR DATA OUTLETS. INSTALL FLUSH WITH FINISHED FLOOR AND PROVIDE BRASS COVER. FLOOR BOX TO BE LEGRAND WIREMOLD 6AT OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR EXACT LOCATION PRIOR TO COMMENCING ANY WORK.
2	RISE TO ABOVE ACCESSIBLE CEILING WITH 2" CONDUIT WITH PULLSTRING.
3	(2) 4" SLEEVES FROM MDF ROOM TO IDF ROOM ON SECOND FLOOR. COORDINATE WITH OWNER FOR EXACT REQUIREMENTS AND LOCATION.

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SHEET TITLE

POWER PLAN LEVEL 2

SHEET NUMBER

E301



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