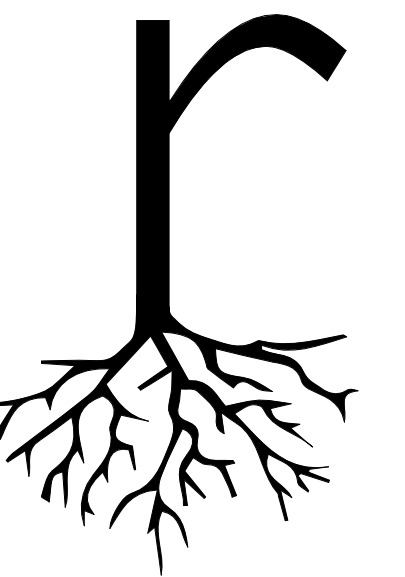


**El Paso Leadership Academy
RFP #2021-003 – Low Voltage Systems Contractor
EXHIBIT H – Project Documents**

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.



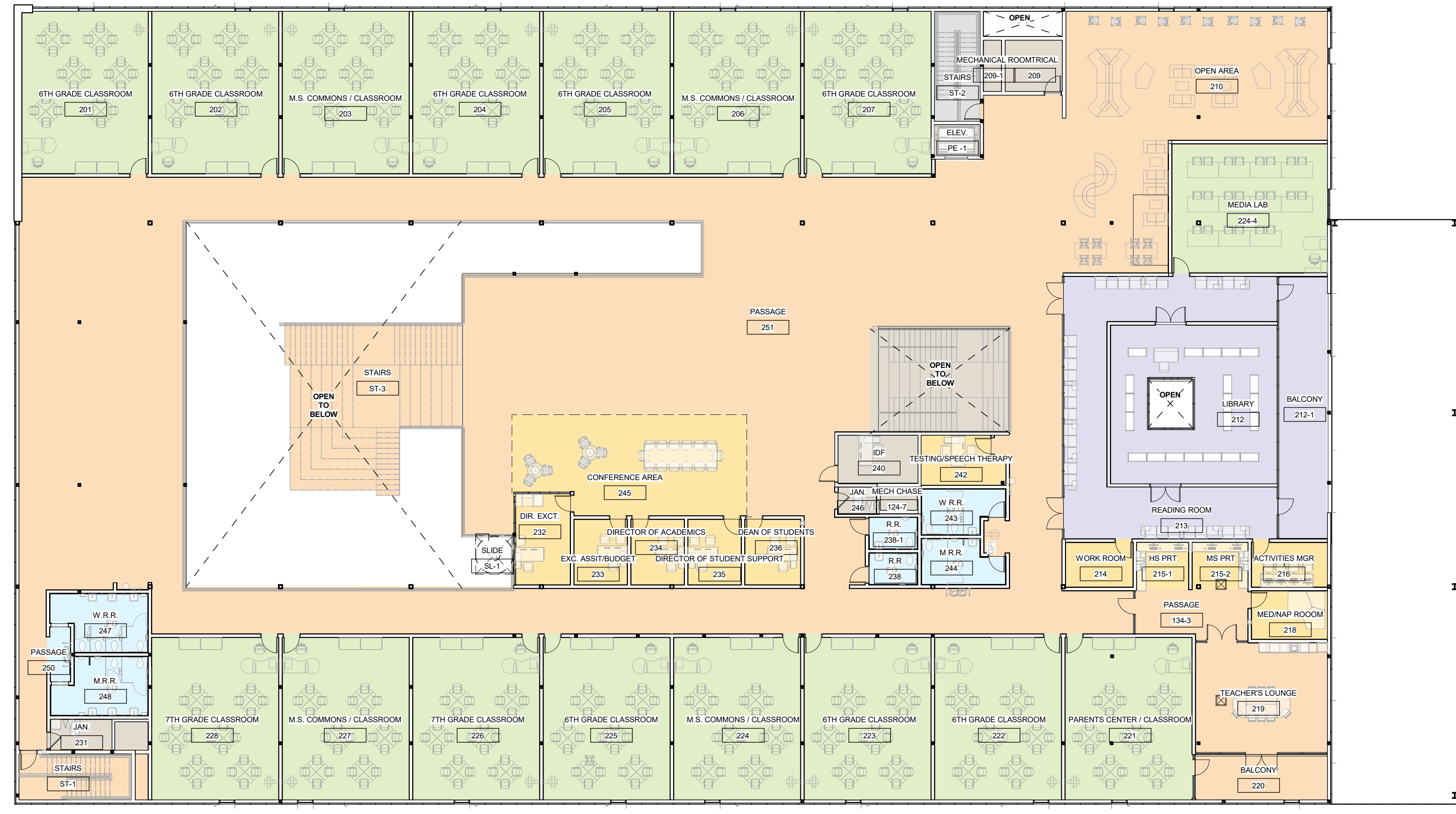
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2 CODE REVIEW - AREA PLAN LVL 2
1/16" = 1'-0"



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
UNI-SEX	
TOILET - FLOOR MOUNTED	3
URINAL - WALL MOUNTED	3
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
BoH		949 SF	2.622905	5
CLASSROOM		13296 SF	664.789229	666
KITCHEN		208 SF	4.580539	5
OFFICE		1841 SF	18.406768	20
REST ROOM		885 SF	0	0
UNOCCUPIED SPACE		14567 SF	0	0
SUBTOTAL		38738 SF	907.524387	914
LVL 2		1707 SF	52.3886	53
BoH		300 SF	3.731024	6
CLASSROOM		12681 SF	604.557451	606
LIBRARY		100 SF	24.77362	25
OFFICE		2477 SF	24.77362	25
REST ROOM		885 SF	1.638611	2
UNOCCUPIED SPACE		0 SF	0	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 2		1707 SF	52.3886	53	
BoH		949 SF	2.622905	5	
LVL 1		300 SF	3.731024	6	
LVL 2		12681 SF	604.557451	606	
CLASSROOM		25977 SF	1269.34648	1272	
LVL 1		20 SF	13296 SF	664.789229	666
LVL 2		12681 SF	604.557451	606	
LVL 1		100 SF	2477 SF	24.77362	25
LVL 2		100 SF	2477 SF	24.77362	25
OFFICE		100 SF	1841 SF	18.406768	20
LVL 1		100 SF	2365 SF	23.645193	28
LVL 2		100 SF	2365 SF	23.645193	28
REST ROOM		0 SF	4205 SF	42.051962	48
LVL 1		0 SF	991 SF	0	0
LVL 2		0 SF	885 SF	1.638611	2
UNOCCUPIED SPACE		0 SF	14567 SF	0	0
LVL 1		0 SF	14567 SF	0	0
LVL 2		0 SF	13296 SF	0	0
SUBTOTAL		27855 SF	0	0	
TOTAL		71260 SF	1618.257177	1634	

EPLA - CANTERA

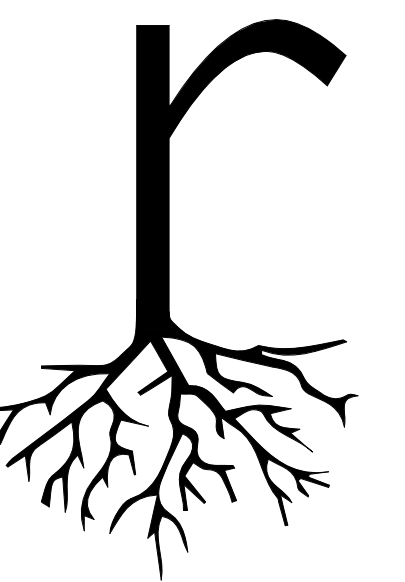
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DATE 12.21.2020
REVISIONS

CODE REVIEW

SHEET NUMBER

AA004



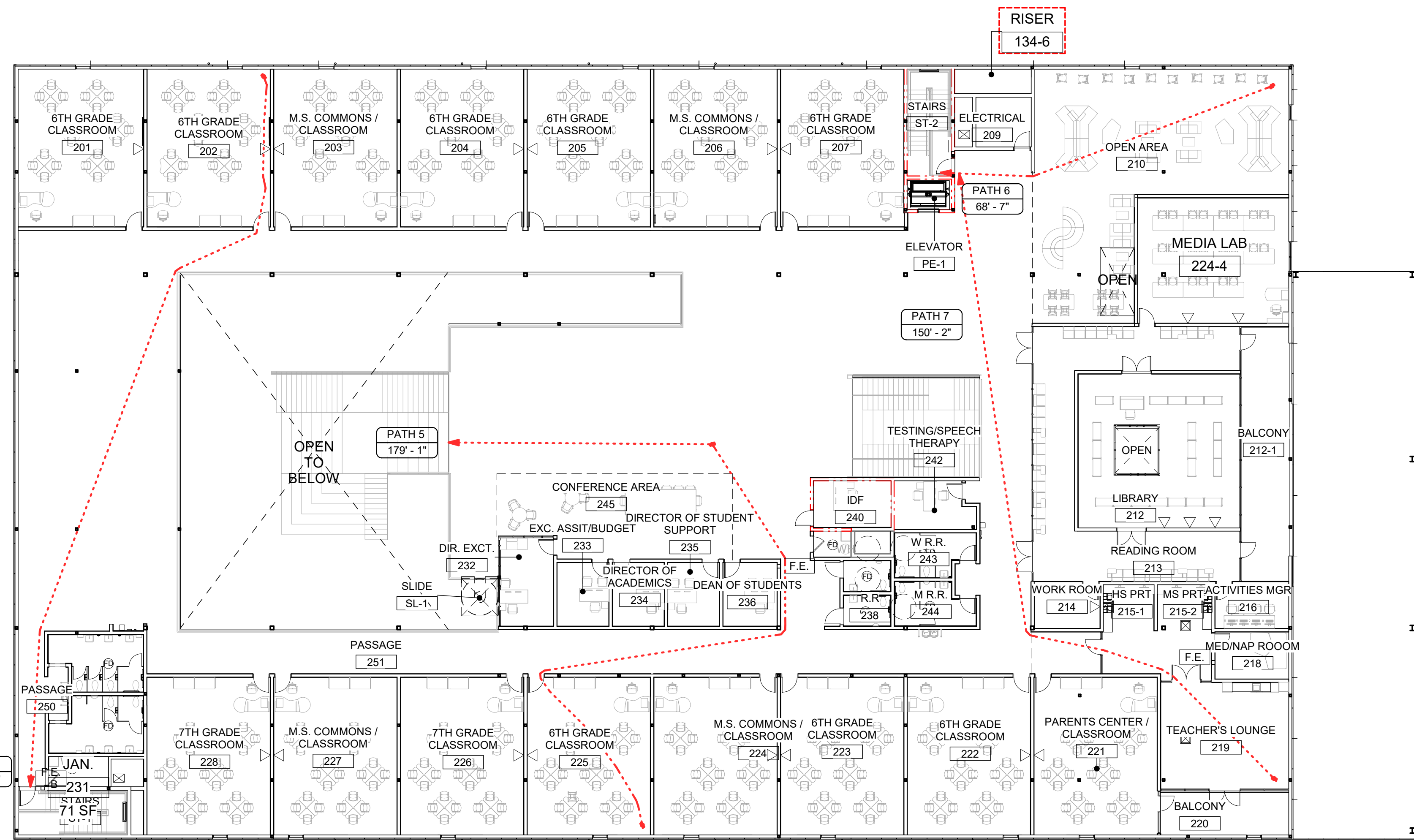
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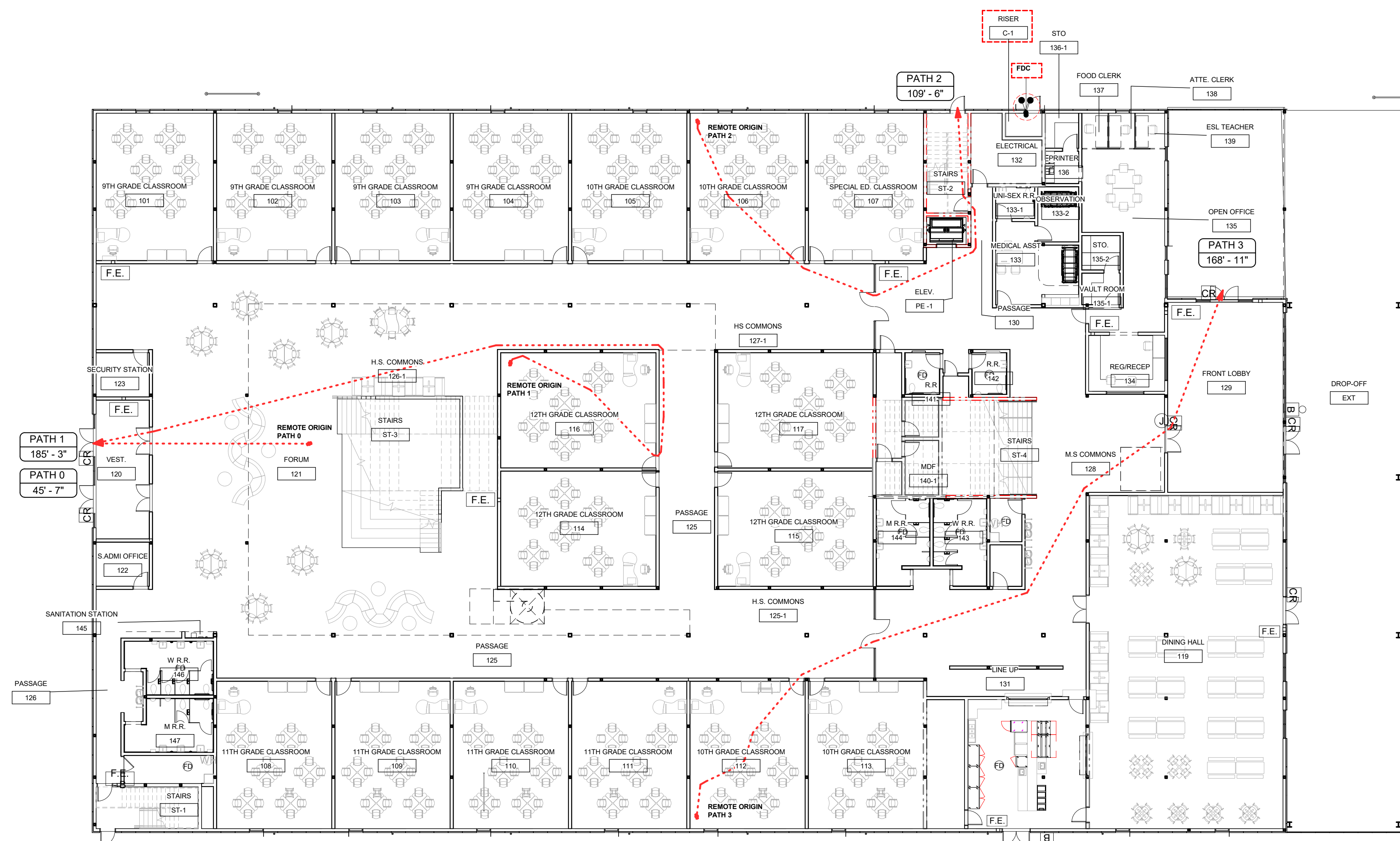
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- ALL INTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" MT. STUD @ 16" O.C. U.N.O. WALLS TO RECEIVE 100' SOUND INSULATION AND 4" METAL COVE BASE U.N.O.
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2 LIFE SAFETY PLAN - LVL2
1/16" = 1'-0"



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	

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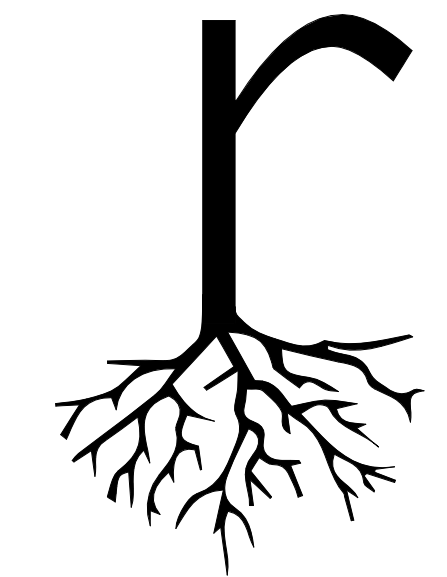
REVISIONS

SHEET TITLE

LIFE SAFETY

SHEET NUMBER

AA005



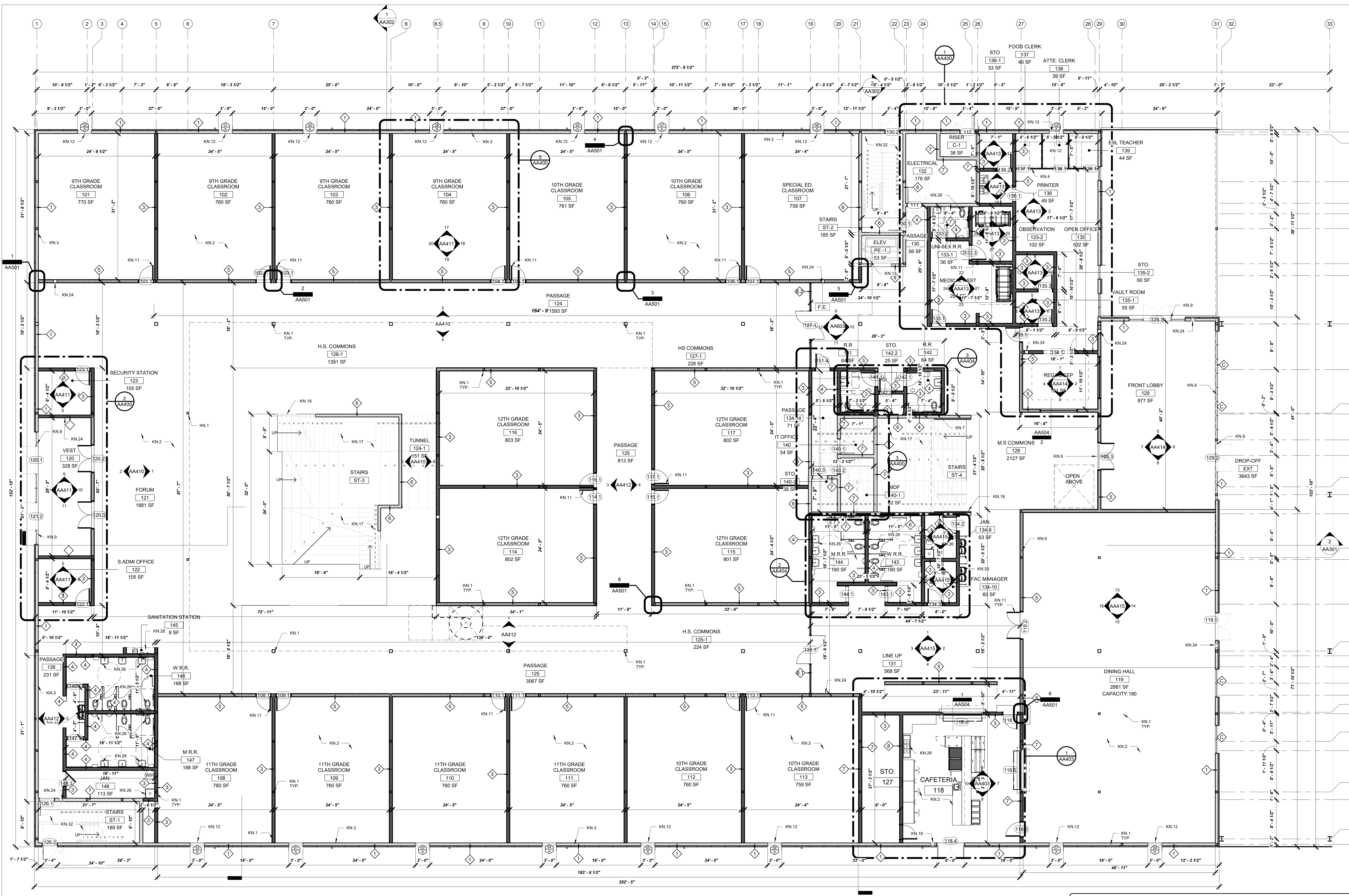
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1 FLOOR PLAN - LEVEL 1
1/8" = 1'-0"

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	3263 SF	3263 SF
120 VEST	328 SF	328 SF
121 FORUM	1881 SF	1881 SF
126 PASSAGE	231 SF	231 SF
SUBTOTAL	2440 SF	2440 SF
ADMIN + MS ZONES	2861 SF	2861 SF
119 DINING HALL	2861 SF	2861 SF
128 M.S. COMMONS	2127 SF	2127 SF
SUBTOTAL	5008 SF	5008 SF
ADMINISTRATION	5008 SF	5008 SF
122 S.ADMI OFFICE	105 SF	105 SF
123 SECURITY STATION	105 SF	105 SF
129 FRONT LOBBY	977 SF	977 SF
133 MEDICAL ASST	264 SF	264 SF
135-1 UNI-SEX R.R.	56 SF	56 SF
133-2 OBSERVATION	102 SF	102 SF
134 REG/RECEP	191 SF	191 SF
135-1 V.ALT ROOM	55 SF	55 SF
135-2 STO.	60 SF	60 SF
136 PRINTER	49 SF	49 SF
136-1 STO.	53 SF	53 SF
137 FOOD CLERK	40 SF	40 SF
138 ATTE. CLERK	39 SF	39 SF
139 ESL TEACHER	44 SF	44 SF
2670 SF	2670 SF	2670 SF
SUBTOTAL/AREAD	151 SF	151 SF
124 TUNNEL	151 SF	151 SF
131 LINE UP	568 SF	568 SF
SUBTOTAL	481 SF	481 SF
EXT/DROP-OFF	568 SF	568 SF
118 CAFETERIA	770 SF	770 SF
101 9TH GRADE CLASSROOM	760 SF	760 SF
102 9TH GRADE CLASSROOM	760 SF	760 SF
103 9TH GRADE CLASSROOM	760 SF	760 SF
104 9TH GRADE CLASSROOM	760 SF	760 SF
105 10TH GRADE CLASSROOM	761 SF	761 SF
106 10TH GRADE CLASSROOM	760 SF	760 SF
107 SPECIAL ED. CLASSROOM	758 SF	758 SF
108 11TH GRADE CLASSROOM	760 SF	760 SF
109 11TH GRADE CLASSROOM	760 SF	760 SF
110 11TH GRADE CLASSROOM	760 SF	760 SF
111 11TH GRADE CLASSROOM	760 SF	760 SF
112 10TH GRADE CLASSROOM	760 SF	760 SF
113 10TH GRADE CLASSROOM	759 SF	759 SF
114 12TH GRADE CLASSROOM	802 SF	802 SF
115 12TH GRADE CLASSROOM	801 SF	801 SF
116 12TH GRADE CLASSROOM	802 SF	802 SF
117 12TH GRADE CLASSROOM	802 SF	802 SF
124 PASSAGE	1953 SF	1953 SF
125 PASSAGE	867 SF	867 SF
125 PASSAGE	813 SF	813 SF
125-1 H.S. COMMONS	224 SF	224 SF
125-2 STO.	38 SF	38 SF
127-1 H.S. COMMONS	1391 SF	1391 SF
127-1 H.S. COMMONS	226 SF	226 SF
20413 SF	20413 SF	20413 SF
SUBTOTAL/DOOR	481 SF	481 SF
ST-3 STAIRS	80 SF	80 SF
ST-4 STAIRS	562 SF	562 SF
SUBTOTAL	668 SF	668 SF
127 STO.	218 SF	218 SF
130 PASSAGE	56 SF	56 SF
132 ELECTRICAL	176 SF	176 SF
134-9 JAN.	63 SF	63 SF
134-10 FAC. MANAGER	60 SF	60 SF
134-11 PASSAGE	71 SF	71 SF
140 IT OFFICE	54 SF	54 SF
140-1 MDF	82 SF	82 SF
140-2 STO.	38 SF	38 SF
141 R.R.	64 SF	64 SF
142 R.R.	64 SF	64 SF
142-1 STO.	25 SF	25 SF
143 W.R.R.	190 SF	190 SF
144 M.R.R.	188 SF	188 SF
145 SANITATION STATION	85 SF	85 SF
146 JAN.	113 SF	113 SF
146 W.R.R.	188 SF	188 SF
147 M.R.R.	188 SF	188 SF
148 JAN.	113 SF	113 SF
C-1 RISER	38 SF	38 SF
PE-1 ELEV.	53 SF	53 SF
ST-1 STAIRS	189 SF	189 SF
ST-2 STAIRS	185 SF	185 SF
2982 SF	2982 SF	2982 SF
SUBTOTAL	3436 SF	3436 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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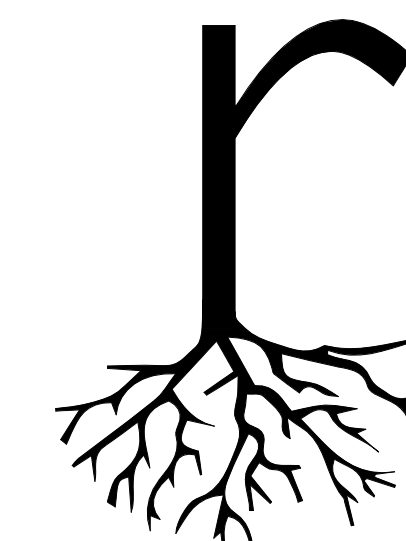
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REVISIONS

FLOOR PLAN
LVL 1
SHEET NUMBER

AA100

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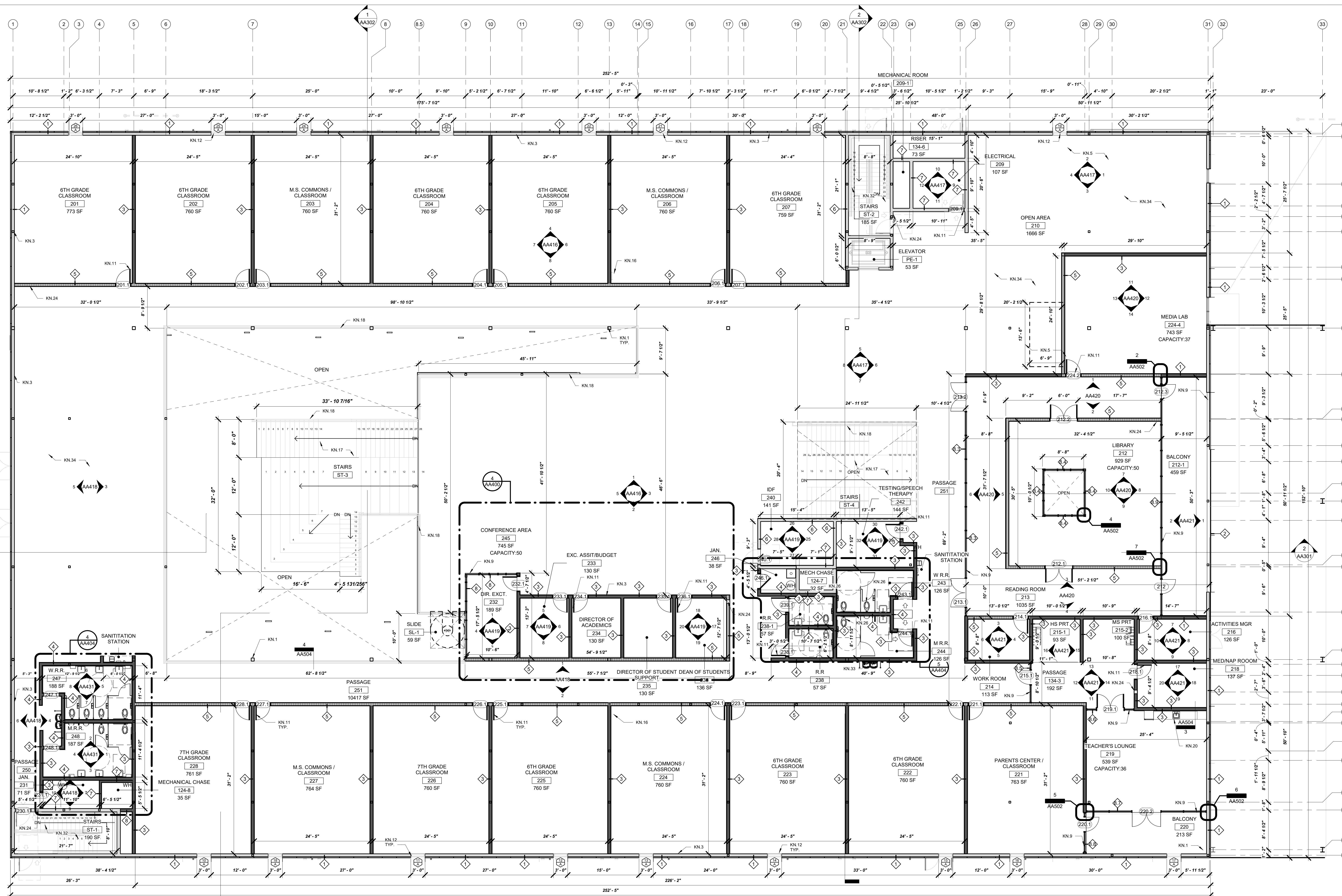
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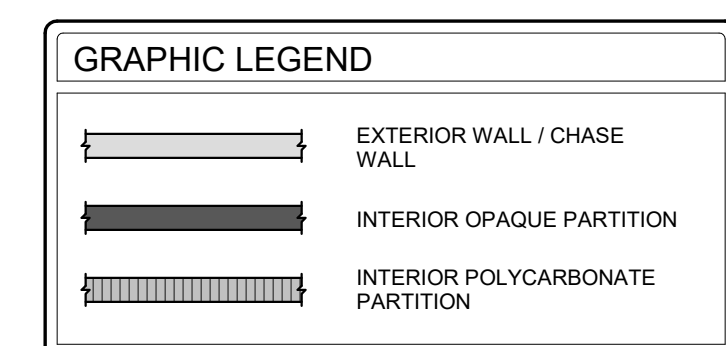
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- DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.
- REFER TO BUILDING SECTIONS AND ELEVATIONS FOR ALL PLATE HEIGHTS.
- REFER TO WINDOW SCHEDULE FOR HEAD AND SILL HEIGHTS. WINDOW SELECTION AS PER OWNER. SELECTED WINDOWS MUST MEET ENERGY CODE REQUIREMENTS. REFER TO WINDOW SCHEDULE FOR SIZES.
- REFER TO DOOR SCHEDULE FOR HEAD HEIGHTS.
- ALL EXTERIOR ELECT. OUTLETS AND CIRCUITS LOCATED WITHIN 6'-0" OF KITCHEN SINK AND BATH VANITIES TO BE GROUND FAULT INTERRUPTER (GFCI)
- COORDINATE ACFURNACE AND WATER HEATER LOCATIONS IN FIELD WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- ALL VENTS, EXHAUST, FANS AND APPLIANCES THAT REQUIRE VENTING TO BE VENTED TO OUTSIDE IN ACCORDANCE WITH ALL APPLICABLE CODES.
- SMOKE ALARMS SHALL BE HARD WIRED IN SERIES WITH BATTERY BACKUP POWER IN ACCORDANCE WITH APPLICABLE CODE.
- VERIFY OUTLET/SWITCH LOCATIONS IN FIELD WITH OWNER AND ARCHITECT.
- TREATED SOLE PLATE WITH 1/4" BOLT @ 4' O.C. BOLT MUST EXTEND AT LEAST 7" INTO CONC. ALL SKI PLATE LUMBER AND ANY LUMBER IN CONTACT WITH CONCRETE OR CMU. BLOCKING TO BE MOISTURE TREATED.
- ALL INTERIOR WALLS TO BE CONSTRUCTED OUT OF 5/8" MET. STUD @ 16" O.C. UN.D.O WALLS TO RECEIVE SOUND INSULATION AND 4" METAL COVE BASE U.O.
- ALL EXTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" MET. STUD @ 16" O.C. WITH BATT OR SPRAY FOAM INSULATION U.O.
- REFER TO FINISH PLAN FOR ALL FINISH SCHEDULES.
- ENSURE EGRESS REQUIREMENTS ARE MET PER CODE.
- COORDINATE HOSE BIB LOCATIONS IN FIELD WITH OWNER AND ARCHITECT.
- CONTRACTOR TO PROVIDE MOCK UP FOR APPROVAL OF ALL EXTERIOR FINISH MATERIALS AND FENESTRATION. PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 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.



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

CLASSROOM COUNT

MAIN:	11 CLASSROOMS
	4 M.S. COMMON CLASSROOMS
TOTAL:	15 CLASSROOMS



ROOM SCHEDULE - 2ND LVL

134-3	PASSAGE	192 SF	207	M.S. COMMONS / 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	228	7TH GRADE CLASSROOM	760 SF
222	DIR. EXCT.	189 SF	251	PASSAGE	215 SF
223	EXC. ASSIT/BUDGET	130 SF	252	PASSAGE	10417 SF
224	DIRECTOR OF STUDENT SUPPORT	130 SF	253	STAIRS	22072 SF
225	DEAN OF STUDENTS	136 SF	254	UTILITY	
226	TESTING/SPEECH THERAPY	144 SF	255	MECH CHASE	32 SF
227	CONFERENCE AREA	745 SF	256	MECHANICAL CHASE	35 SF
228	SL-1	59 SF	257	RISER	73 SF
229	SLIDE	59 SF	258	ELECTRICAL	107 SF
230	SUBTOTAL	3941 SF	259	M.ECHANICAL ROOM	34 SF
231	S.M.S. SHARED	231 SF	260	JAN.	71 SF
232	OPEN AREA	1666 SF	261	R.R.	57 SF
233	LIBRARY	929 SF	262	R.R.	57 SF
234	BALCONY	459 SF	263	JAN.	38 SF
235	READING ROOM	1035 SF	264	M.R.R.	126 SF
236	MECH LAB	743 SF	265	M.R.R.	126 SF
237	STAIRS	344 SF	266	JAN.	38 SF
238	SUBTOTAL	5175 SF	267	M.R.R.	188 SF
239	MIDDLE SCHOOL		268	M.R.R.	187 SF
240	6TH GRADE CLASSROOM	773 SF	269	ELEVATOR	53 SF
241	6TH GRADE CLASSROOM	760 SF	270	ST-1	190 SF
242	M.S. COMMONS / CLASSROOM	760 SF	271	STAIRS	185 SF
243	6TH GRADE CLASSROOM	760 SF	272	STAIRS	1701 SF
244	6TH GRADE CLASSROOM	760 SF	273	STAIRS	32889 SF
245	6TH GRADE CLASSROOM	760 SF	TOTAL		

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.23	FIRE EXTINGUISHER TYPE B
KN.7	WALL FUR-OUT	KN.24	MEZZANINE STRUCTURE. REF. STRUCTURAL SHEETS
KN.8	CLERESTORY	KN.25	NEW PLUMBING FIXTURE. REF. PLUMBING SHEETS
KN.9	STOREFRONT SYSTEM AND/OR DOOR. REF. FRAMES TYPES SHEETS	KN.26	"CAST IRON STANDING PIPE. CAP AND FILL SLAB PENETRATIONS
KN.10	FRAMING OPENING	KN.27	SANITATION STATION. OWNER PROVIDE
KN.11	DOOR AND FRAME. REF. DR AND WDW SHEETS	KN.28	SERVICE ELECTRICAL VAULT. REF. MEP SHEETS
KN.12	WINDOW SYSTEM. REF. DR AND WDW SHEETS	KN.29	STRUCTURE REFER TO STRUCTURAL SHEETS
KN.13	ELEVATOR SYSTEM. NO WOOD PERMITTED IN SHAFT. DOORS, CONTROLS AND SIGNAGE. PER MANUFACTURER	KN.30	PENETRATION ON SLAB. REF. STRUCTURAL SHEETS
KN.14	MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT	KN.31	EGRESS STAIRS AND RAILING
KN.15	ROOFING SYSTEM. REF. STRUCTURAL SHEETS	KN.32	HIGH - LOW / ADA DRINKING FOUNTAIN
KN.16	ROOF HATCH, STAIRS AND SAFETY RAILING. REF. ROOF SHEET	KN.33	NOT IN THE SCOPE. PHASE TWO
KN.17	WOOD STAIRS AND RAILING. REF. SHELL ENL. VIEWS	KN.34	DOWNSPOUT. REF. ROOF SHEET

EPLA - CANTERA

2101 JOE BATTLE BLVD
EL PASO, TX 79938

DATE 12.21.2020

NO.	REVISIONS

SHEET TITLE
FLOOR PLAN
LVL 2
SHEET NUMBER

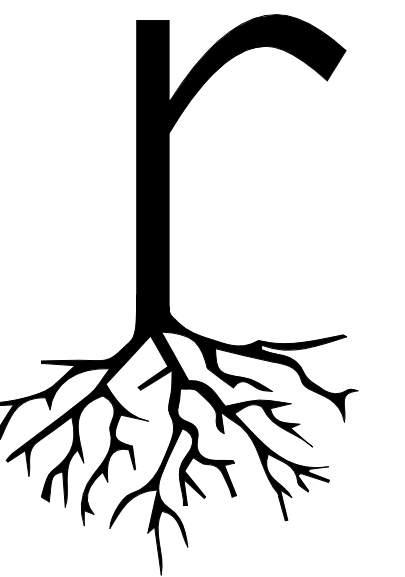
AA101

1/21/2020 10:16:06 PM FULL SHEET SIZE: ARCH1 (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



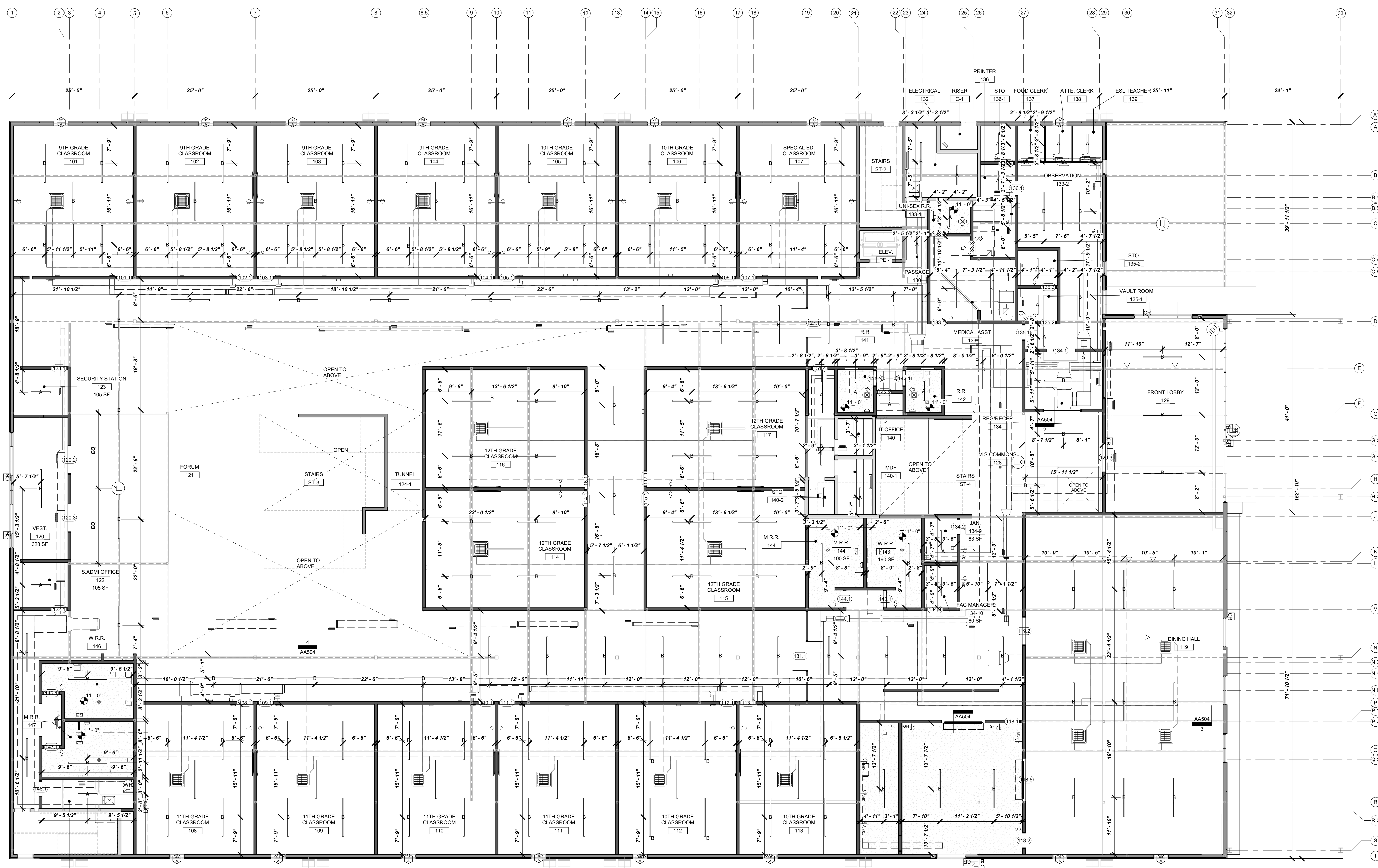
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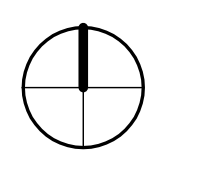
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- POWER OUTLETS ABOVE COUNTERTOPS TO BE 6" OFF FINISHED COUNTER SURFACE & TURNED HORIZONTALLY.
- ALL SWITCHES/CONTROLS TO BE 42" ABOVE FINISHED FLR.
- ALL LOW VOLTAGE TRANSFORMERS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- RECESSED LIGHTING SPACED 3'-0" FROM WALLS U.N.O.
- ALL OUTDOOR LIGHTS, LIGHT FIXTURES, AND INTERIOR BATH TUB LIGHTS TO BE WATERPROOF.



1 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	EXT/DROP-OFF	ST-4 STAIRS
120 VEST 328 SF	2643 SF	90 SF
121 FORUM 1881 SF	4361 SF	562 SF
122 PASSAGE 231 SF	770 SF	127 STO
123 SECURITY STATION 105 SF	760 SF	130 PASSAGE 668 SF
124 PASSAGE 2440 SF	760 SF	132 ELECTRICAL 176 SF
125 S.ADMI OFFICE 105 SF	103 9TH GRADE CLASSROOM 760 SF	134-9 JAN 63 SF
126 FRONT LOBBY 917 SF	104 9TH GRADE CLASSROOM 760 SF	134-10 FAC MANAGER 60 SF
127 M.S. COMMONS 2127 SF	105 10TH GRADE CLASSROOM 761 SF	140-1 PASSAGE 171 SF
128 M.S. COMMONS 2127 SF	106 10TH GRADE CLASSROOM 760 SF	140-11 OFFICE 54 SF
129 S.ADMI OFFICE 105 SF	107 SPECIAL ED CLASSROOM 758 SF	140-12 MDF 82 SF
130 SECURITY STATION 105 SF	108 11TH GRADE CLASSROOM 760 SF	140-2 STO 38 SF
131 FRONT LOBBY 917 SF	109 11TH GRADE CLASSROOM 760 SF	141 R.R. 64 SF
132 MEDICAL ASST 264 SF	110 11TH GRADE CLASSROOM 760 SF	142 R.R. 64 SF
133-1 UNISEX R.R. 56 SF	111 11TH GRADE CLASSROOM 759 SF	143 W.R.R. 190 SF
133-2 OBSERVATION 102 SF	112 10TH GRADE CLASSROOM 760 SF	144 M.R.R. 180 SF
134 REG/RECEP 191 SF	113 10TH GRADE CLASSROOM 759 SF	145 SANITATION STATION 8 SF
135-1 VAULT ROOM 60 SF	114 12TH GRADE CLASSROOM 802 SF	146 W.R.R. 188 SF
135-2 STO 60 SF	115 12TH GRADE CLASSROOM 801 SF	147 M.R.R. 188 SF
136-1 PRINTER 49 SF	116 12TH GRADE CLASSROOM 803 SF	148 JAN 113 SF
136-1 STO 53 SF	117 12TH GRADE CLASSROOM 802 SF	149 JAN 38 SF
137 FOOD CLERK 40 SF	124 PASSAGE 1593 SF	C-1 RISER 38 SF
138 ATTE CLERK 39 SF	125 PASSAGE 3067 SF	PE-1 ELEV 53 SF
139 ESL TEACHER 44 SF	126-1 H.S. COMMONS 813 SF	ST-1 STAIRS 139 SF
140-1 JAN 38 SF	125-1 H.S. COMMONS 224 SF	ST-2 STAIRS 185 SF
140-2 STO 38 SF	126-1 H.S. COMMONS 224 SF	ST-3 STAIRS 290 SF
141 R.R. 64 SF	127-1 H.S. COMMONS 226 SF	ST-4 STAIRS 90 SF
142 R.R. 64 SF	20413 SF	TOTAL 3436 SF
143 W.R.R. 190 SF	124-1 TUNNEL 151 SF	
144 M.R.R. 180 SF	131 LINE UP 568 SF	
145 SANITATION STATION 8 SF		
146 W.R.R. 188 SF		
147 M.R.R. 188 SF		
148 JAN 113 SF		
149 JAN 38 SF		
C-1 RISER 38 SF		
PE-1 ELEV 53 SF		
ST-1 STAIRS 139 SF		
ST-2 STAIRS 185 SF		
ST-3 STAIRS 290 SF		
ST-4 STAIRS 90 SF		
TOTAL 2902 SF		
REF. ROOF PLAN		

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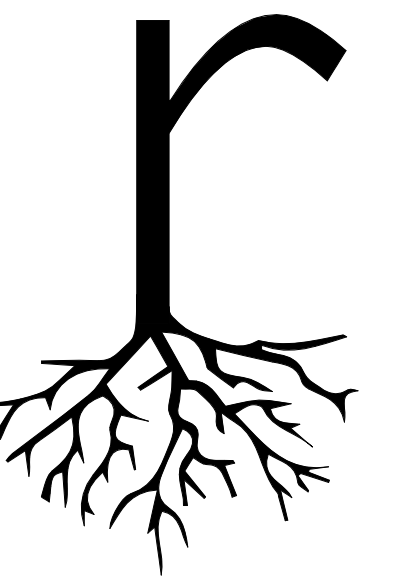
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REVISIONS

NO.	DESCRIPTION

SHEET TITLE
RCP LVL 1

SHEET NUMBER
AA110



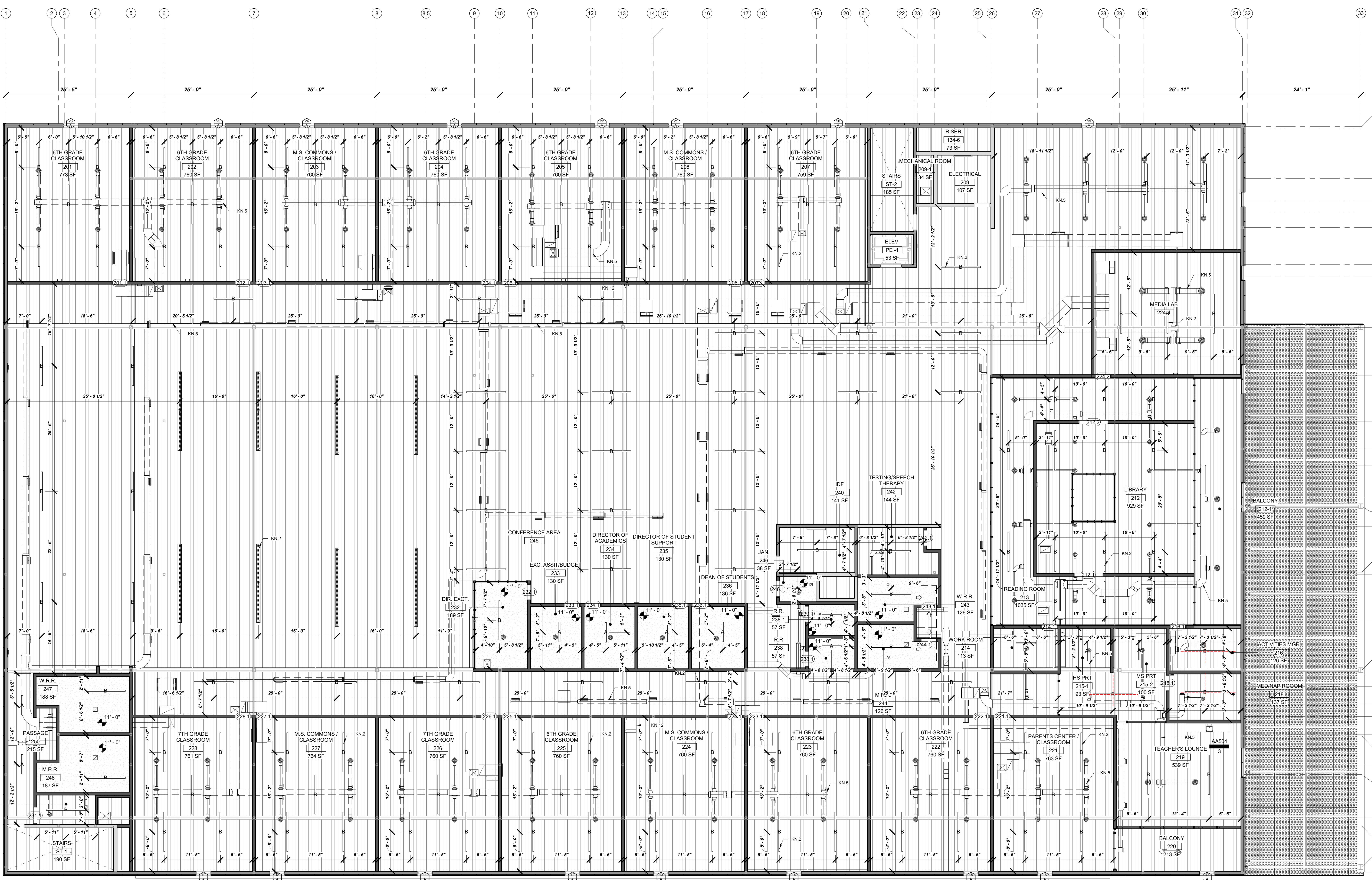
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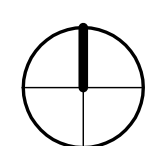
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1/8" = 1'-0"



GRAPHIC LEGEND

[Symbol]	EXTERIOR WALL / CHASE WALL
[Symbol]	INTERIOR OPAQUE PARTITION
[Symbol]	INTERIOR POLYCARBONATE PARTITION

LIGHTING LEGEND

[Symbol]	FAITHSAIL 4FT LED STRIP LIGHTS
[Symbol]	FAITHSAIL 8FT LED STRIP LIGHTS
[Symbol]	SUPPLY DIFFUSER

CEILING FINISH LEGEND

[Symbol]	NEW HARD CEILING
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			240	IDF	141 SF
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			244	M.R.R.	126 SF
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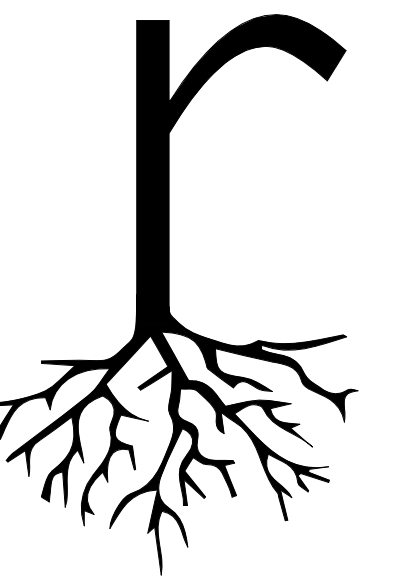
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SHEET TITLE
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AA111



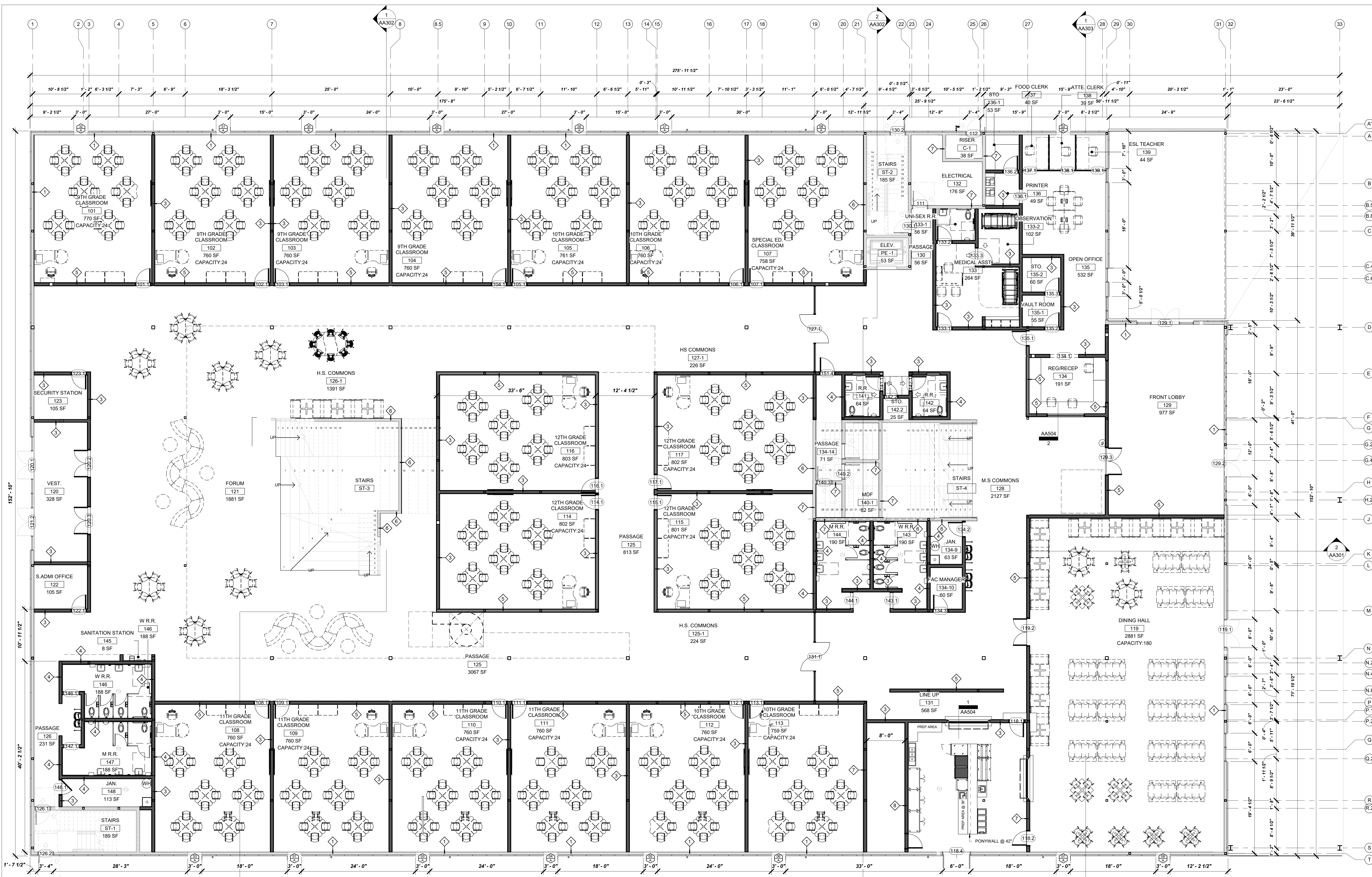
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- REFER TO DOOR SCHEDULE FOR HEAD HEIGHTS.
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- COORDINATE AC/FURNACE AND WATER HEATER LOCATIONS IN FIELD WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- ALL VENTS, EXHAUST, FANS AND APPLIANCES THAT REQUIRE VENTING TO BE VENTED TO OUTSIDE IN ACCORDANCE WITH APPLICABLE CODES.
- SMOKE ALARMS SHALL BE HARD WIRED IN SERIES WITH BATTERY BACKUP POWER IN ACCORDANCE WITH OWNER AND ARCHITECT.
- VERIFY OUTLET/SWITCH LOCATIONS IN FIELD WITH OWNER AND ARCHITECT.
- 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.
- ALL INTERIOR WALLS TO BE CONSTRUCTED OUT OF 5/8" METAL STUD @ 16" O.C. UNO. WALLS TO RECEIVE 90' INSULATION AND 4" METAL COVE BASE U.N.O.
- ALL EXTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" METAL STUD @ 16" O.C. WITH BATT OR SPRAY FOAM INSULATION U.N.O.
- REFER TO FINISH PLAN FOR ALL FINISH SCHEDULES.
- ENSURE EGRESS REQUIREMENTS ARE MET PER CODE.
- COORDINATE HOSE BIB LOCATIONS IN FIELD WITH OWNER AND ARCHITECT.
- CONTRACTOR TO PROVIDE MOCK UP FOR APPROVAL OF ALL EXTERIOR FINISH MATERIALS AND FENESTRATION. PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 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 FURNITURE FLOOR PLAN - LVL 1 - MAIN
1/8" = 1'-0"

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	5002 SF
120 WEST	328 SF
121 FORUM	1881 SF
122 PASSAGE	231 SF
SUBTOTAL	2440 SF
ADMIN + MS ZONES	2881 SF
119 DINING HALL	2881 SF
120 M.S. COMMONS	2127 SF
SUBTOTAL	5008 SF
ADMINISTRATION	760 SF
122 S ADMIN OFFICE	105 SF
123 SECURITY STATION	105 SF
129 FRONT LOBBY	977 SF
133 MEDICAL ASST	284 SF
133-1 UNI-SEX R.R.	56 SF
133-2 OBSERVATION	102 SF
134 REGRECEP	191 SF
135 OPEN OFFICE	532 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
SUBTOTAL	2670 SF
121-1 TUNNEL	151 SF
131 LINE UP	568 SF
EXT DROP-OFF	4361 SF
HIGH SCHOOL	770 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 9TH 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 10TH GRADE CLASSROOM	760 SF
113 10TH GRADE CLASSROOM	759 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
148 JAN.	3067 SF
125 PASSAGE	40 SF
126 H.S. COMMONS	224 SF
127 H.S. COMMONS	1391 SF
127-1 HS COMMONS	226 SF
MIDDLE SCHOOL	20413 SF
ST-3 STAIRS	481 SF
ST-1 STAIRS	61 SF
ST-2 STAIRS	185 SF
SUBTOTAL	2982 SF
TOTAL	36436 SF

FURNITURE SCHEDULE - LVL 1	
507 M	34
508 M	34
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600 M	34
TOTAL	1341

EPLA - CANTERA

2101 JOE BATTLE BLVD
EL PASO TX, 79938

DATE 12.21.2020

REVISIONS

SHEET TITLE

FURN FP LVL 1

SHEET NUMBER

AA170

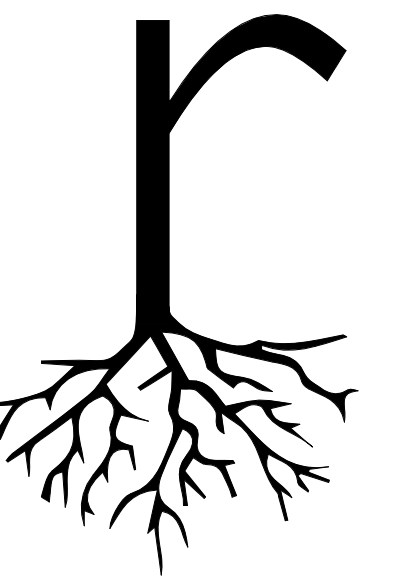
12/21/2020 10:52:37 AM FULL SHEET SIZE: ARCHIT (30" x 42")

NOTE:
REFER TO STRUCTURAL DRAWINGS FOR SLAB/CEILING PENETRATIONS

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

FURNITURE PLAN FOR REFERENCE ONLY. FINAL FURNITURE LAYOUT TBD

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



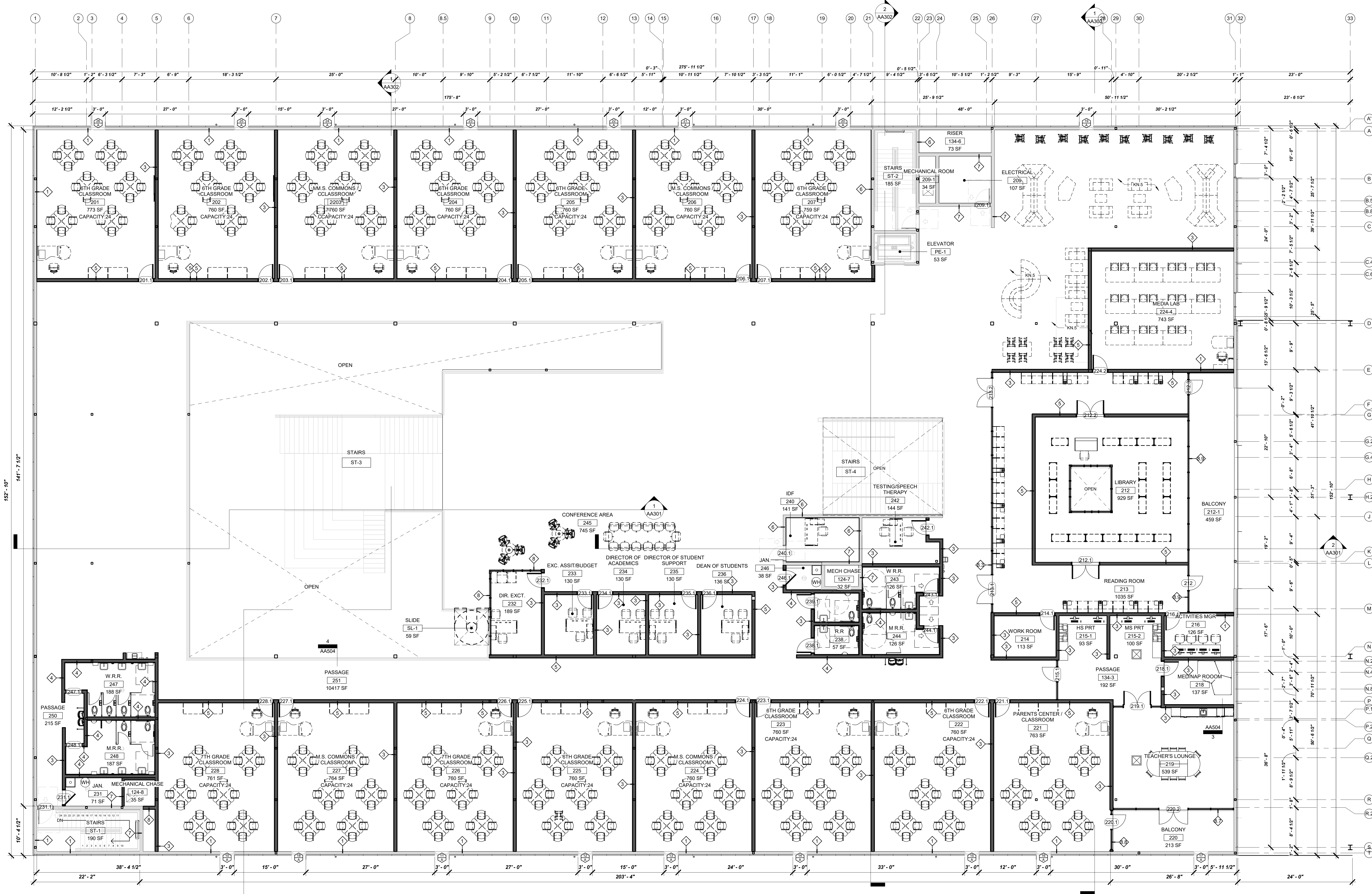
root
ARCHITECTS
(915) 307-0574
3111 MONTANA - STE A2-100
EL PASO, TX 79902



12.21.2020

GENERAL NOTES

- DOCUMENTS PROVIDED IN THIS PACKAGE ARE REPRESENTATIVE OF A COMPLETE DRAWING SET UNDER NO CIRCUMSTANCES.
- 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.
- 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. CORRECTIVE MEASURES REQUIRED, BUT NO LATER THAN ONE WEEK PRIOR TO THE SCHEDULED START OF THE WORK.
- DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.
- REFER TO BUILDING SECTIONS AND ELEVATIONS FOR ALL PLATE HEIGHTS.
- 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.
- REFER TO DOOR SCHEDULE FOR HEAD HEIGHTS.
- ALL EXTERIOR ELECT. OUTLETS AND OUTLETS LOCATED WITHIN 6" OF KITCHEN SINK AND BATH VANTITIES TO BE GROUND FAULT CIRCUIT INTERRUPTER (GFCI).
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- ALL EXTERIOR WALLS TO BE CONSTRUCTED OUT OF 6" METAL STUD @ 16" O.C. WITH BATT OR SPRAY FOAM INSULATION U.O.
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1 FURNITURE FLOOR PLAN - LEVEL 2 - MAIN
1/8" = 1'-0"

12/21/2020 8:52:47 PM
FULL SHEET SIZE: ARCH1 (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

FURNITURE PLAN FOR REFERENCE ONLY. FINAL FURNITURE LAYOUT TBD

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

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

ROOM SCHEDULE - 2ND LVL

ADMINISTRATION	134-3	PASSAGE	192 SF	206	M.S. COMMONS / CLASSROOM	760 SF
214	WORK ROOM	113 SF	207	6TH GRADE CLASSROOM	759 SF	
215-1	M.S. PRNT	93 SF	222	6TH GRADE CLASSROOM	760 SF	
215-2	M.S. PRNT	100 SF	223	6TH GRADE CLASSROOM	760 SF	
216	ACTIVITIES MGR	126 SF	224	M.S. COMMONS / CLASSROOM	760 SF	
218	MEDIA LAB	137 SF	225	6TH GRADE CLASSROOM	760 SF	
219	TEACHERS LOUNGE	539 SF	226	7TH GRADE CLASSROOM	760 SF	
220	BALCONY	213 SF	227	M.S. COMMONS / CLASSROOM	764 SF	
221	PARENTS CENTER / CLASSROOM	763 SF	228	7TH GRADE CLASSROOM	760 SF	
222	DIR. EXCT	189 SF	229	PASSAGE	215 SF	
223	EXC. ASST/BUDGET	130 SF	230	PASSAGE	10417 SF	
224	DIRECTOR OF ACADEMICS	130 SF	231	PASSAGE	760 SF	
225	DIRECTOR OF STUDENT SUPPORT	130 SF	232	STAIRS	22072 SF	
226	DEAN OF STUDENTS	136 SF	233	UTILITY	124-7	
242	TESTING/SPEECH THERAPY	144 SF	234	MECH CHASE	32 SF	
243	CONFERENCE AREA	745 SF	235	RISER	35 SF	
244	SLIDE	59 SF	236	ELECTRICAL	760 SF	
245	CONFERENCE AREA	745 SF	237	ELECTRICAL	107 SF	
246	JAN.	38 SF	238	MECHANICAL ROOM	34 SF	
247	W.R.R.	188 SF	239	JAN.	71 SF	
248	M.R.R.	187 SF	240	R.R.	57 SF	
249	MEDIA LAB	743 SF	241	R.R.	57 SF	
250	STAIRS	344 SF	242	IBF	141 SF	
251	STAIRS	5175 SF	243	W.R.R.	126 SF	
252	STAIRS	188 SF	244	M.R.R.	126 SF	
253	6TH GRADE CLASSROOM	773 SF	245	JAN.	38 SF	
254	M.S. COMMONS / CLASSROOM	760 SF	246	W.R.R.	188 SF	
255	6TH GRADE CLASSROOM	760 SF	247	M.R.R.	187 SF	
256	6TH GRADE CLASSROOM	760 SF	248	ELEVATOR	53 SF	
257	6TH GRADE CLASSROOM	760 SF	249	STAIRS	190 SF	
258	6TH GRADE CLASSROOM	760 SF	250	STAIRS	185 SF	
259	6TH GRADE CLASSROOM	760 SF	251	STAIRS	185 SF	
260	6TH GRADE CLASSROOM	760 SF	252	STAIRS	185 SF	
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263	6TH GRADE CLASSROOM	760 SF	255	STAIRS	185 SF	
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266	6TH GRADE CLASSROOM	760 SF	258	STAIRS	185 SF	
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268	6TH GRADE CLASSROOM	760 SF	260	STAIRS	185 SF	
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401	6TH GRADE CLASSROOM	760 SF	393	STAIRS	185 SF	
402	6TH GRADE CLASSROOM	760 SF	394	STAIRS	185 SF	
403	6TH GRADE CLASSROOM	760 SF	395	STAIRS	185 SF	
404	6TH GRADE CLASSROOM	760 SF	396	STAIRS	185 SF	
405	6TH GRADE CLASSROOM	760 SF	397	STAIRS	185 SF	
406	6TH GRADE CLASSROOM	760 SF	398	STAIRS	185 SF	
407	6TH GRADE CLASSROOM	760 SF	399	STAIRS	185 SF	
408	6TH GRADE CLASSROOM	760 SF	400	STAIRS	185 SF	

FURNITURE SCHEDULE - 2ND LVL

30" H	Rhodes	22	EX-TR17-L-2	Russwood	4	skrt_01	2
50"V154D	VIKCO</						

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, KAIC 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			
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	
⊕	DIRECTIONAL LIGHT, LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊖	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED	18"
E	WALL MOUNTED FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	DUPLEX RECEPTACLE OUTLET, GFI RATED, WALL MOUNTED	44"
⊕	RECESSED CAN FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	120/250VAC - 30A, 10-30R, RECEPTACLE WALL MOUNTED	18"
⊕	EXHAUST FAN, REFER TO MECHANICAL PLANS		⊕	SWITCHED OUTLET, SPLIT WIRE 1/2 SWITCHED, 1/2 HOT	18"
⊕	POLE LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	QUADRUPLX RECEPTACLE, WALL MOUNTED	18"
⊕	DECORATIVE POLE LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	FLOOR BOX WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA	
⊕	BOLLARD LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	FLOOR BOX WITH QUADRUPLX RECEPTACLE AND SINGLE GANG TEL/DATA	
⊕	CEILING FAN WITH OR WITHOUT LIGHTING KIT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED	
⊕	EMERGENCY LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	DUPLEX RECEPTACLE OUTLET, STUBB-UP 18" AFF FOR EQUIPMENT	
⊕	EXIT LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		⊕	ELECTRICAL WIRING THRU WALL OR CEILING	
\$	WALL SWITCH, 20A SINGLE POLE, SINGLE THROW	48"	⊕	ELECTRICAL WIRING BELOW FLOOR OR GRADE	
SW	DESCRIPTION	SW	DESCRIPTION		
1	DOUBLE POLE	1	RED PLOT LIGHT		
2	THREE WAY	1	ROTARY TIMER		
3	FOUR WAY	M	MOTOR POWER MOTOR RATED SWITCH		
4	SLIDER DIMMER (THROW MIN)	O	OCCUPANCY SENSOR, WITH BIPASS/ULTRASONIC SENSOR		
K	KEYED SWITCH (WITH OPERATING DEVICE TAB)	O	OCCUPANCY SENSOR, WITH BIPASS/ULTRASONIC SENSOR		
B	BYPASS SWITCH	O	OCCUPANCY SENSOR, WITH BIPASS/ULTRASONIC SENSOR		
LV	LOW VOLTAGE SWITCH	O	OCCUPANCY SENSOR, WITH BIPASS/ULTRASONIC SENSOR		
OC	CEILING MOUNTED OCCUPANCY SENSOR, WITH BYPASS SWITCH WALL MOUNTED				
OR	OCCUPANCY SENSOR, WITH BYPASS INFRARED SENSOR				
OU	OCCUPANCY SENSOR, WITH BYPASS ULTRASONIC SENSOR				
OC	OCCUPANCY SENSOR, WITH BYPASS DUAL TECHNOLOGY SENSOR (INFRARED & ULTRASONIC)				

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.

ELECTRICAL SYMBOL LEGEND

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- 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.

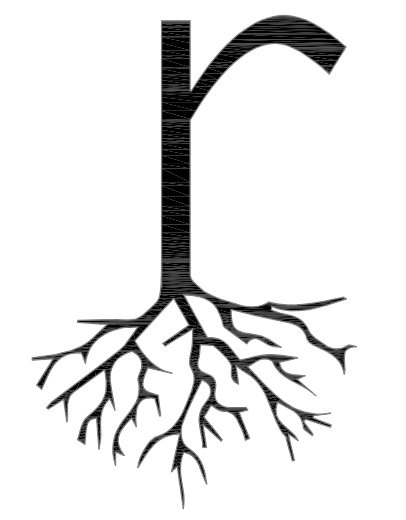
SPECIAL SYSETEMS SYMBOLS		FIRE ALARM SYSTEM SYMBOLS			
SYMBOL	DESCRIPTION	MTG. HT.	SYMBOL	DESCRIPTION	MTG. HT.
◀	DATA/TEL BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"	⊕	PULL STATION WITH STOPPER, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	48"
◀	DATA BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"	⊕	STROBE, NUMBER DENOTES 'd'f RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
◀	TEL BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"	⊕	PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
⊕	CHIME FOR DOOR BELL, WALL MOUNTED		⊕	SMOKE DETECTOR	
⊕	TRANSFORMER, VERIFY WITH MANF.		⊕	CARBON MONOXIDE/SMOKE DETECTOR	
⊕	THERMOSTAT BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING		⊕	DUCT DETECTOR	
⊕	HVAC CONTROLS, BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING		⊕	FIRE ALARM CONTROL PANEL WITH DIGITAL NOTIFIER	48"
⊕	DATA/TEL BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING		⊕	FIRE ALARM REMOTE ENUNCIATOR	48"
⊕	BUZZER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING		⊕	FIRE ALARM KEY PAD	
⊕	PUSH BUTTON FOR BUZZER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING				
⊕	ELECTRICAL FEEDER, UNDER GRADE				
⊕	TELEPHONE CONDUIT WITH PULLSTRING				
⊕	RACEWAY/WIREWAY ASSEMBLY DOWN				
⊕	RACEWAY/WIREWAY ASSEMBLY UP				
⊕	STUBBED CONDUIT, TERMINATE WITH ISOLATED PLASTIC BUSHING				
⊕	HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF WIRES, ARROWS INDICATE QUANTITY OF CIRCUITS, NUMBERS INDICATE PANEL AND CIRCUITS				
⊕	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				
⊕	HOME RUN TO PANELBOARD, CROSS MARK ON ARROW INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.				
⊕	HOME RUN TO PANELBOARD, CROSS MARK INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.				
⊕	HOME RUN, CROSS MARK INDICATE CIRCUIT, HALF CIRCLE INDICATE SWITCH LESS				
⊕	PANELBOARD, REFER TO CORRESPONDING PANEL SCHEDULE				

ELECTRICAL SYMBOL LEGEND

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A OR AMP	AMPERE	NEC	NATIONAL ELECTRIC CODE	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.)
AF	AMP FUSED	NEUT	NEUTRAL	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.
AFB	ABOVE FINISH FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION	EQUIPMENT SUPPLIER	MEANS A PERSON WHO GENERATE, SUPPLIES AND SELLS SPECIAL EQUIPMENT FOR USE IN THE PROJECT.
AHU	AIR HANDLING UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	PROVIDE	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.
AIC	AMPS INTERRUPTING CAPACITY	NF	NON FUSED	OR EQUAL	EQUAL IN QUALITY AND FUNCTION.
AL	ALUMINUM	NO	NORMALLY OPEN	INSTALL	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.
AC	ABOVE COUNTER	NC	NORMALLY CLOSED		
COND./C	CONDUIT	PC	PHOTOCELL		
OKT	CIRCUIT	PB	PUSHBUTTON		
CLG	CEILING	PH	PHASE		
CONN	CONNECTION	PNL	PANEL		
CU	CUPPED	PRV	POWER ROOF VENTILATION		
DISC	DISCONNECT	PVC	PLASTIC CONDUIT		
EM	ELECTRICAL CONTRACTOR	RECEP	RECEPTACLE		
EC	EMERGENCY	RTU	ROOF TOP UNIT		
EPEC	EL PASO ELECTRIC COMPANY EQUIPMENTS	SW	SWITCH		
EQIP	EQUIPMENTS	TC	TIMER CONTACTOR		
EW	ELECTRICAL WATER COOLER	TEL	TELEPHONE		
EW	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				
LTO	LIGHTING				
MC/MECH	MECHANICAL CONTRACTOR				
MCM	THOUSAND CIRCULAR MIL				
MD	MOUNTED				
NC	NORMALLY CLOSED				

- 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 RECEPTACES 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.



root ARCHITECTS



12.21.2020

EPLA - IMPROVEMENT

2101 JOE BATTLE BLVD
EL PASO TX, 79938

DATE	11.16.2020
REVISIONS	

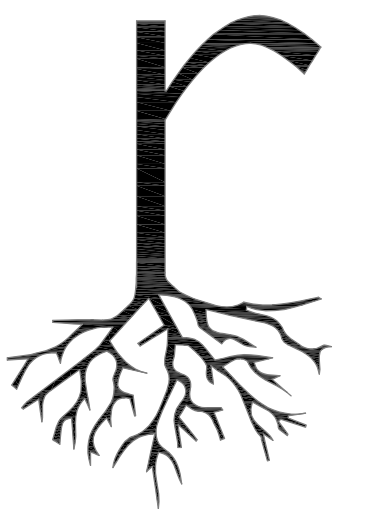
SHEET TITLE

ELECTRICAL GENERAL NOTES

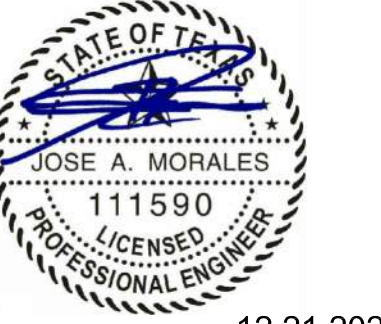
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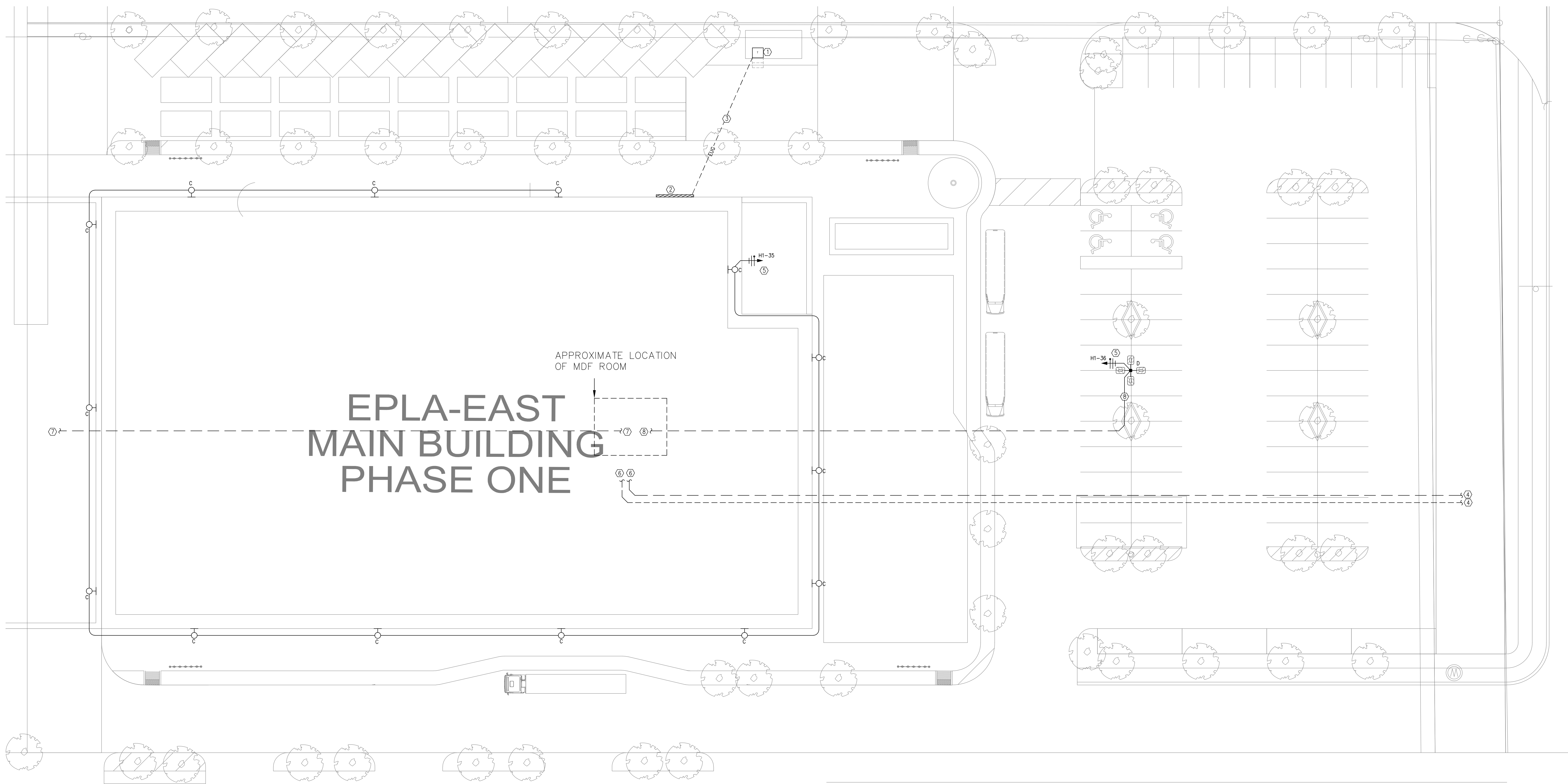




root ARCHITECTS



12.21.2020



EPLA-EAST MAIN BUILDING PHASE ONE

APPROXIMATE LOCATION OF MDF ROOM

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) (1 ACRE=43,560 SQ.FT.)	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 #RM4D-1L35K-8-MD-L4 1 PAA 4	277V		100W LED	40K		WHT	PENDANT	
BE	METALUMEN #RM4D-1L35K-8-MD-L4 E PAA 4	277V		100W LED	40K		WHT	PENDANT	
B1	METALUMEN #RM4D-1L35K-4-MD-L4 1 PAA 4	277V		50W LED	40K		WHT	PENDANT	
B2	METALUMEN #RM4D-1L35K-4-MD-L4 1 PAA 4	277V		200W LED	40K		WHT	PENDANT	
B2E	METALUMEN #RM4D-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 SURFACE	
C	WILLIAMS 76R 4 L72 840 DIM UNV	277V		50W LED	40K		WHT	WALL	
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.

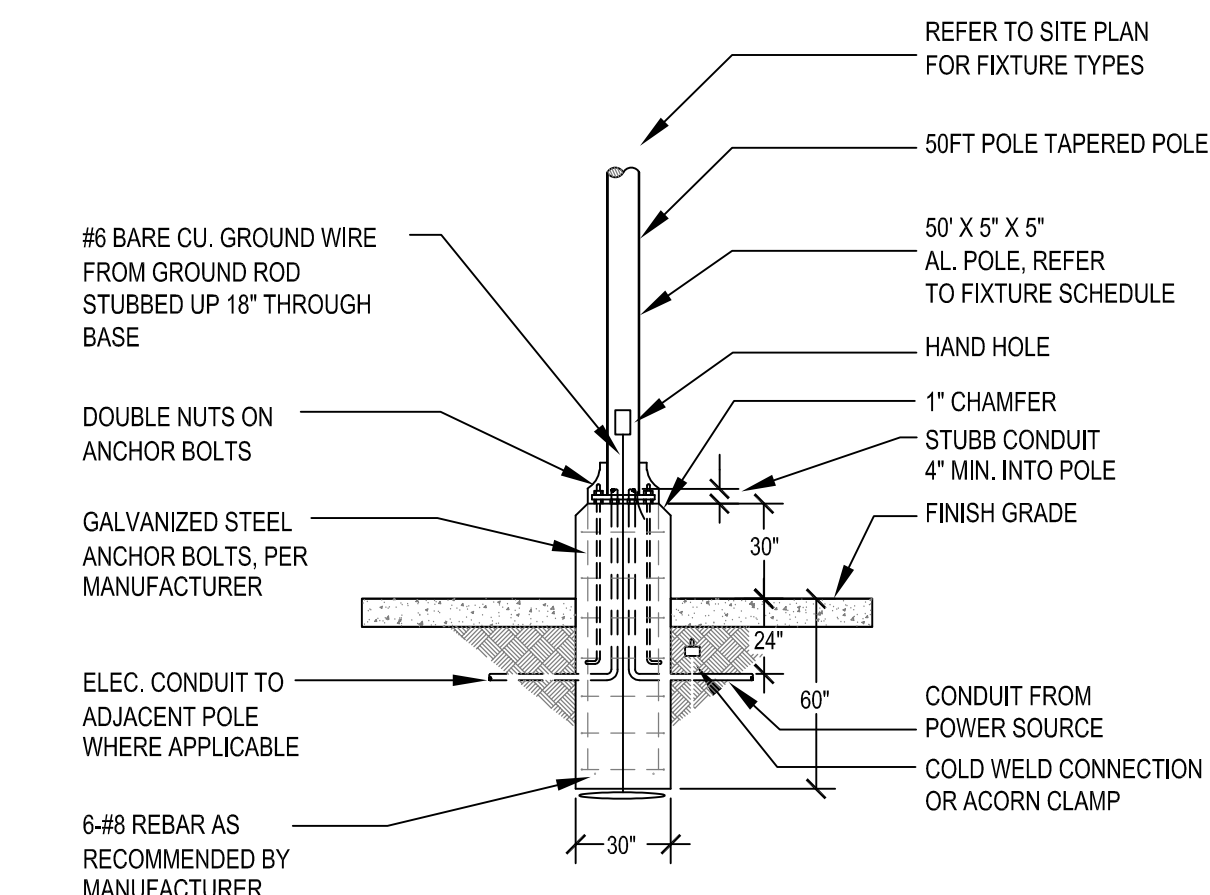
Medium Commercial Wall (SMW) LED Wall Light



Feature	Value
Lumen Package	6000 30000
Wattage Range	60-180
Efficiency Range (LPW)	100-150
Weight Range	6-12LB

FEATURES & SPECIFICATIONS

- Construction**
 - Rugged die-cast aluminum housing for maximum durability and long life.
 - Operating temperature: -40°C to +45°C (-40°F to 113°F).
 - Power Factor > 95.
 - High-impact polycarbonate lens.
 - High-impact LED circuit board mounted to heat sink housing for maximum heat dissipation.
- Optical System**
 - Precision engineered PMMA lens for uniform light distribution.
 - Zero glare or light spill.
 - Available in 1000, 2000 or 3000K color temperatures per ANSI C78.277.
- Electrical**
 - 120V/277V/300V/347V/480V standard.
 - Standard 120V/277V/300V/347V/480V or optional 120V/277V/300V/347V/480V.
- Quick Links**
 - **Color** - Customizable color options.
 - **Mounting** - Multiple mounting options.
 - **Dimensions** - Multiple size options.
- Warranty**
 - 5-year warranty on LED chips.
 - 5-year warranty on LED driver.
 - 5-year warranty on LED housing.
 - 5-year warranty on LED lens.
 - 5-year warranty on LED housing.
 - 5-year warranty on LED lens.
 - 5-year warranty on LED housing.
 - 5-year warranty on LED lens.



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.

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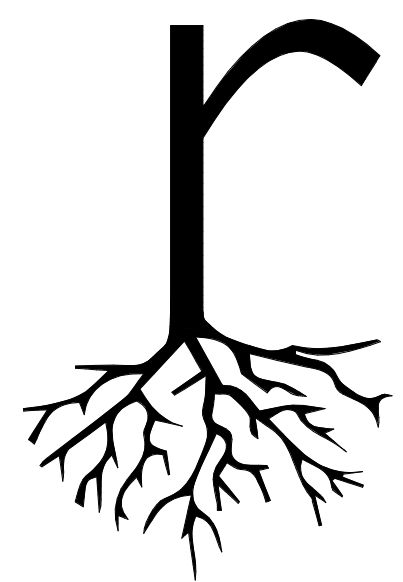
SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER

E101





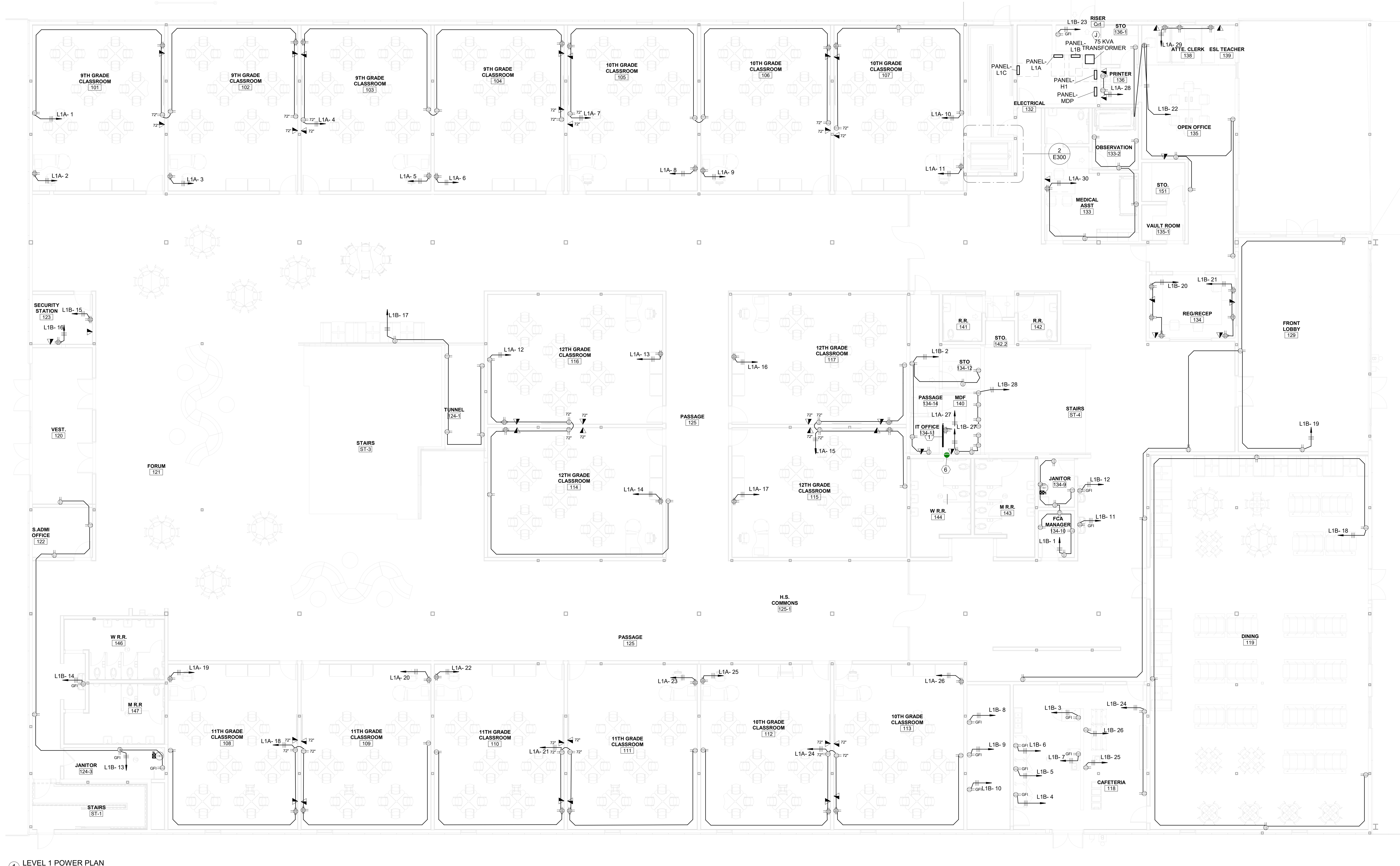
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ARCHITECTS



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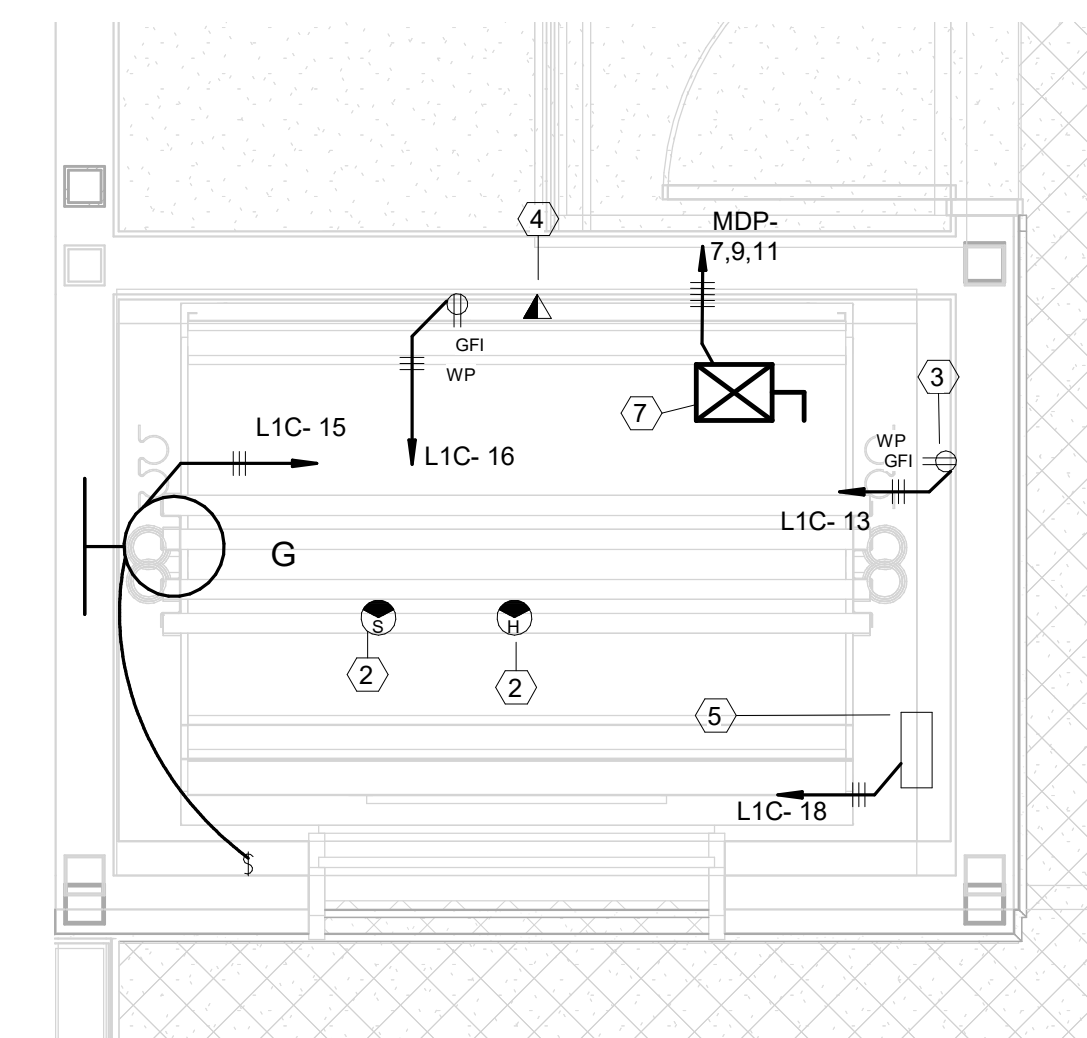
GENERAL NOTES

- 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.



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

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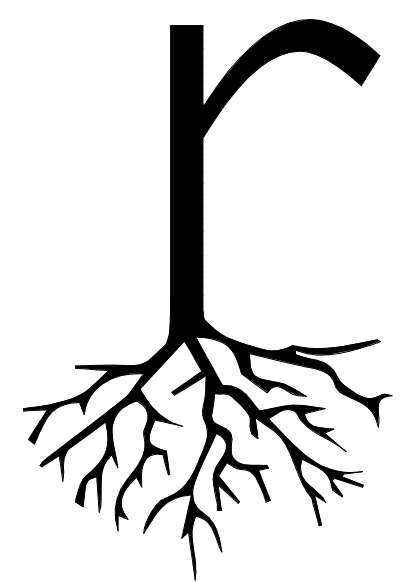
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POWER PLAN LEVEL 1

SHEET NUMBER

E300





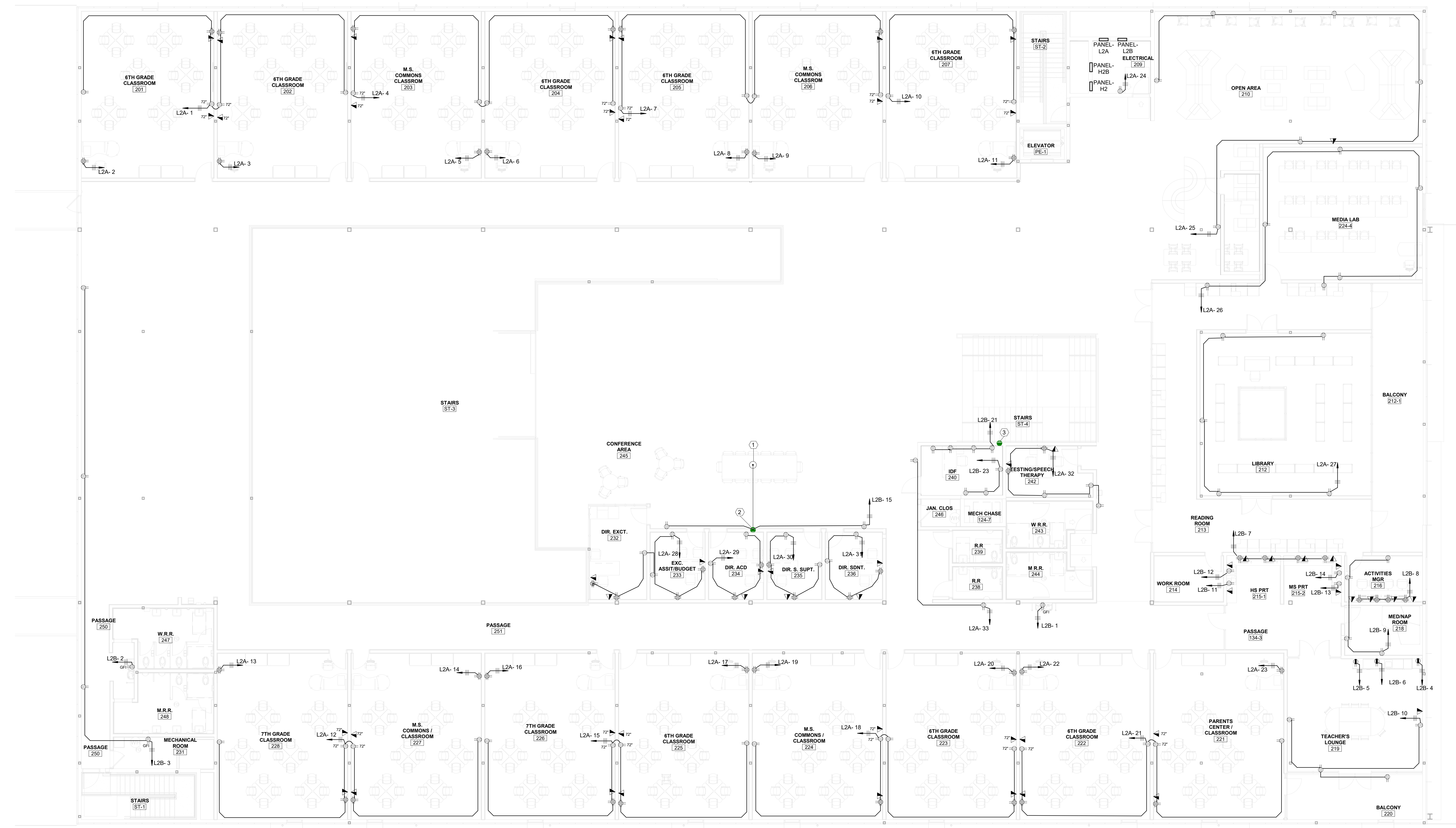
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ARCHITECTS



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 REQUIAERMENTS AND LOCATION.

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SHEET TITLE	
POWER PLAN LEVEL 2	
SHEET NUMBER	
E301	



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