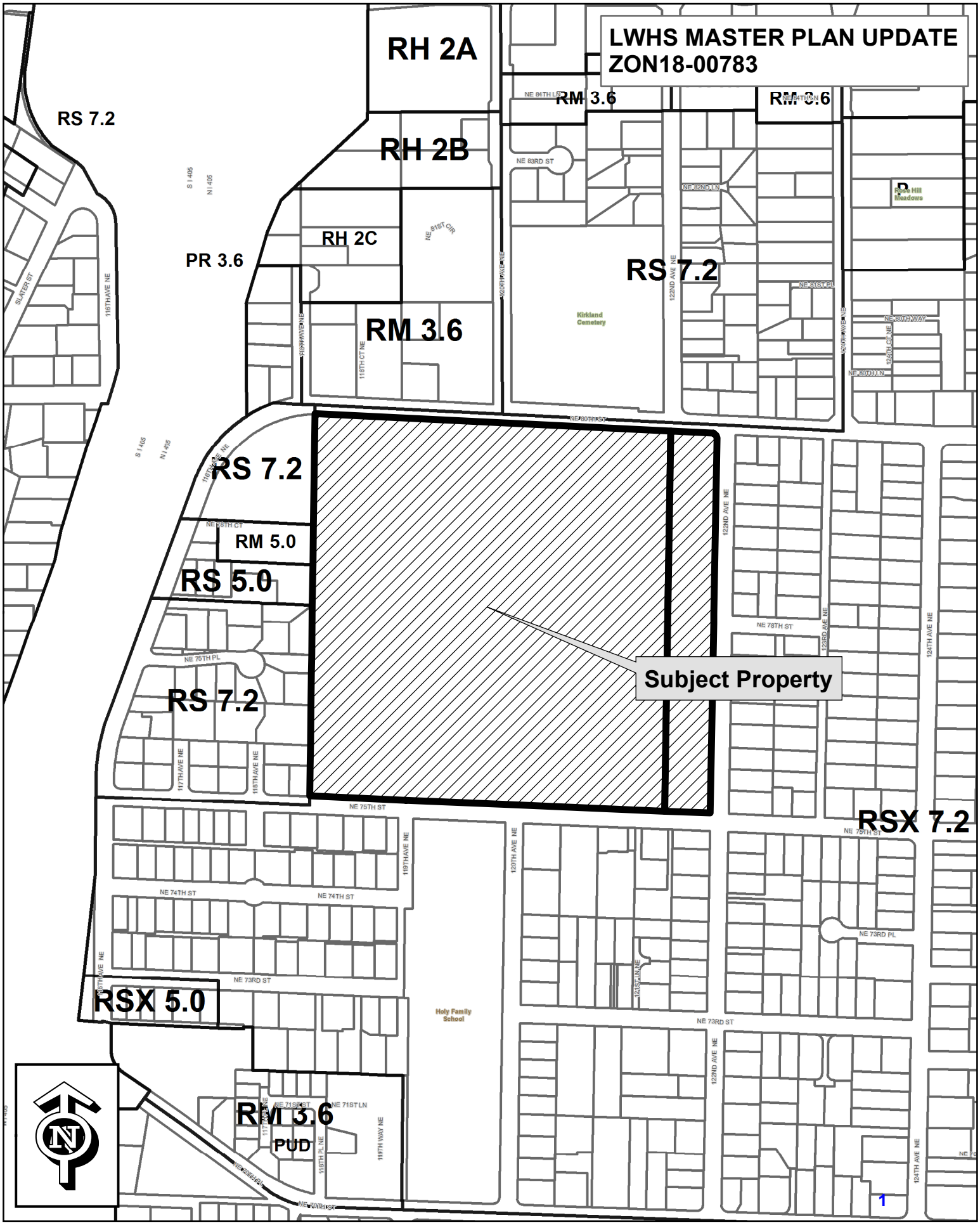
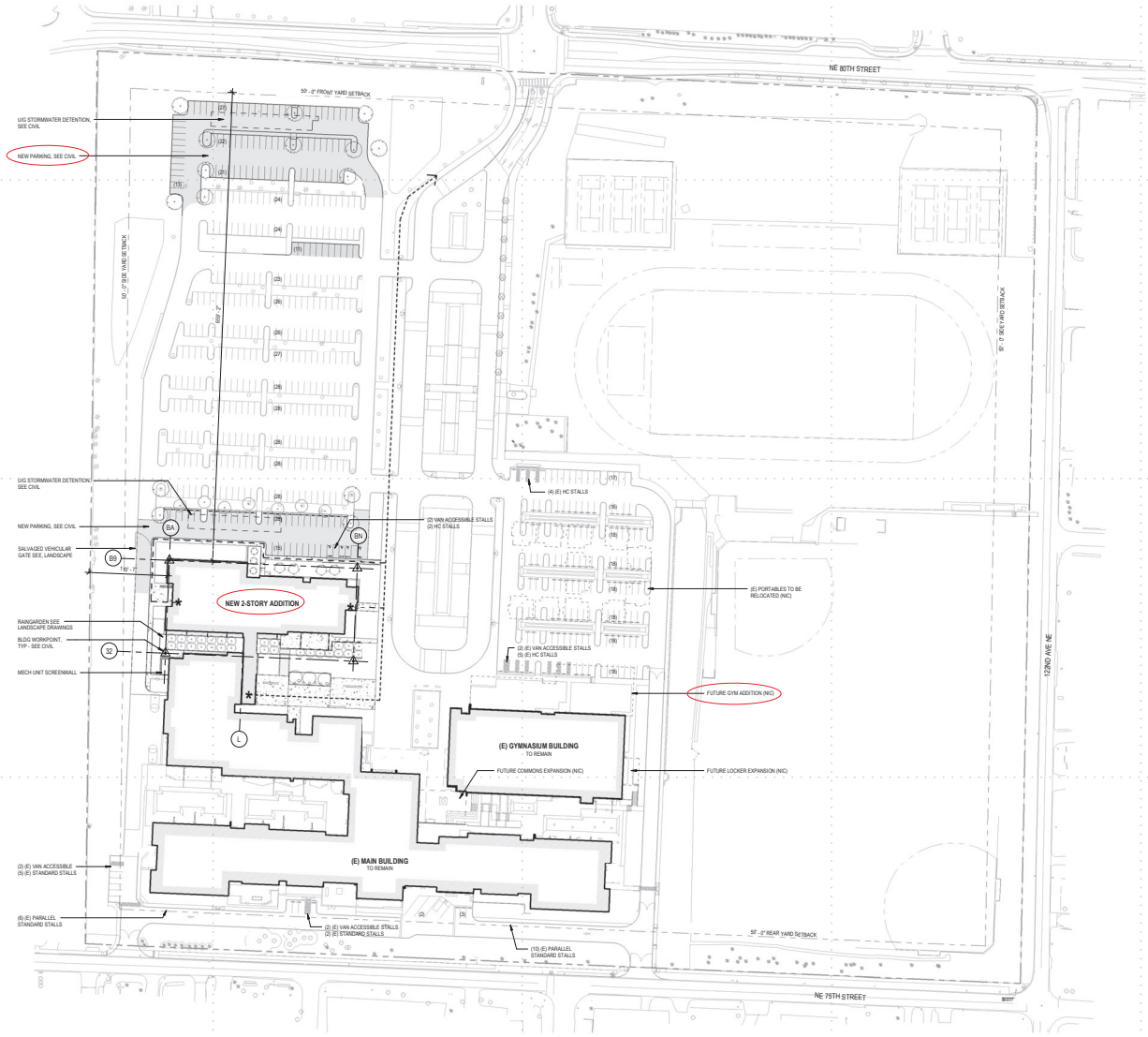
ATTACHMENT 1
ZON18-00783





OVERALL ARCHITECTURAL SITE PLAN
1" = 60'-0"

NORTH

Site Calculations

CAMPUS PARKING					ACCESSIBLE (IBC T1106.1)					VAN ACCESSIBLE				
REQD	PROVIDED				REQD	PROVIDED				REQD	PROVIDED			
	EXIST	DELETE	ADD	TOTAL	2%	EXIST	DELETE	ADD	TOTAL	1:8	EXIST	DELETE	ADD	TOTAL
520*	512	-121	+209**	600	12	16	-3	+4	19	4	7	-1	+2	8

*REQUIRED STALLS AS NOTED BY TRAFFIC IMPACT ANALYSIS SUBMITTED AS PART OF MASTERPLAN SUBMITTAL TO CITY OF KIRKLAND (KMC 105.32).
**TOTAL STALLS ADDED AFTER EXISTING PORTABLES (NIC) ARE REMOVED.

	REQD 1:12	PROVD			
		EXIST	DELETE	ADD	TOTAL
BICYCLE PARKING	49	72		+16	88

SITE PLAN GENERAL NOTES:

1. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, GRADING, PAVING AND CURBS, STRIPING, AND UTILITIES.
2. SEE LANDSCAPE DRAWINGS FOR FENCING, PLANTING, AND IRRIGATION.
3. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND SITE ELECTRICAL UTILITIES.
4. DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY, SEE CIVIL FOR BUILDING WORKPOINTS.

Legend

- ASPHALT PAVING
- CONCRETE PAVING
- * ACCESSIBLE EXIT
- ACCESSIBLE PATH OF TRAVEL

mcg.ARC

architect_
MCGRANAHAN ARCHITECTS

civil engineer_
JACOBSON CONSULTING ENGINEERS

landscape architect_
WEISMAN DESIGN GROUP

structural engineer_
PCS STRUCTURAL SOLUTIONS

mechanical engineer_
BCE ENGINEERS

electrical engineer_
HARDIS ENGINEERS

7924 REGISTERED ARCHITECT
MATTHEW C. LANE
STATE OF WASHINGTON

project_
LAKE WASHINGTON HIGH SCHOOL ADDITION

client_
LAKE WASHINGTON SCHOOL DISTRICT No. 414

location_
KIRKLAND, WA

Project No. 1810.000

ARCHITECTURAL SITE PLAN

issued_

SCHEMATIC DESIGN	30 JULY 18
DESIGN DEVELOPMENT	02 NOV 18
MASTER PLAN SUBMITTAL	27 NOV 18
PH I PERMIT SET	25 JAN 19

revision_

drawn_
DKS

checked_
ML

sheet_
A1.01A

ORIGINAL SHEET IS 30" x 42"
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Code Analaysis

APPLICABLE CODES:

CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING:

UNIFORM CODES:
2015 EDITION - INTERNATIONAL BUILDING CODE (IBC)
2009 EDITION - AMERICAN NATIONAL STANDARDS INSTITUTE (ICCANSI) A117.1-2009
2015 EDITION - INTERNATIONAL MECHANICAL CODE (IMC)
2015 EDITION - INTERNATIONAL FIRE CODE/NFPA (IFC)
2015 EDITION - UNIFORM PLUMBING CODE (UPC)
2014 EDITION - NATIONAL ELECTRICAL CODE W/ WA STATE AMENDMENTS (WAC 296-46B)

STATE CODES:
2015 EDITION - WASHINGTON STATE BUILDING CODE WAC 51-50 (BUILDING), WAC 51.52 (MECH), WAC 51-54A (FIRE), WAC 51-56, 51-11 (PLUMBING)
2015 EDITION - WASHINGTON STATE ENERGY CODE WAC 51-11C (COMMERCIAL)

DEFERRED SUBMITTALS & SEPARATE PERMIT APPLICATIONS:

THE FOLLOWING BIDDER DESIGNED SYSTEMS ARE TO BE SUBMITTED EITHER SEPARATELY FOR PERMIT OR A DEFERRED SUBMITTAL, FOR REVIEW AND APPROVAL, BY THE CONTRACTOR AFTER NTP AND PRIOR TO ANY WORK BEGINNING ON THESE SYSTEMS:

DEFERRED SUBMITTALS: 1. GROUND IMPROVEMENTS
2. OPEN WEB JOISTS

SEPARATE PERMIT SUBMITTALS: 1. ELECTRICAL 2. FIRE SUPPRESSION SYSTEM
3. FIRE SPRINKLER SYSTEM 4. FIRE ALARM SYSTEM

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL REVIEW AND COORDINATE SUBMITTAL DOCUMENTS FOR ALL SEPARATE OR DEFERRED SUBMITTALS PREPARED BY OTHERS.

SPECIAL INSPECTIONS (1704.3):

APPLICABLE IBC INSPECTIONS: STRUCTURAL WELDING, HIGH STRENGTH BOLTING, STRUCTURAL CONCRETE & REINFORCEMENT, ANCHOR BOLTS IN CONCRETE, MASONRY, GRADING-EXCAVATION-FILLING, WELDING FOR SEISMIC RESISTANCE, FIRE RESISTANT PENETRATIONS, ARCHITECTURAL COMPONENTS, MECHANICAL & ELECTRICAL COMPONENTS, ITEMS BY AN APPROVED FABRICATOR.

USE & OCCUPANCY (IBC CHAPTER 3):

PER 302.1 EDUCATIONAL E (PRIMARY USE GROUP)

ALLOWABLE HEIGHT, BUILDING AREA & SETBACKS (IBC CHAPTER 5 AND CITY OF KIRKLAND MUNICIPAL CODE):

ALLOWABLE HEIGHT PER CITY OF KIRKLAND MUNICIPAL CODE: PER PUBLIC ("RSX 7.2") ZONE: 39' PROPOSED: **34'-6"**

BMC 19.12.105 "BUILDING HEIGHT" MEANS THAT DEFINITION FOR BUILDING HEIGHT LISTED WITHIN THE MOST CURRENT VERSION OF THE INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY THE CITY.

TABLES 504.3 / 504.4 / 506.2 ALLOWABLE BUILDING HEIGHT (PER IBC, W/ AUTOMATIC SPRINKLER SYSTEM INCREASE). THE ALLOWABLE HEIGHT & AREA IS CALCULATED BELOW ASSUMING NON-SEPARATED USES, USING GROUP "E" REQUIREMENTS.

CONSTRUCTION TYPE	ALLOWABLE HEIGHT (T504.3)	ALLOWABLE STORIES (T504.4)	ALLOWABLE AREA (T506.2)
TYPE II-B (FULLY SPRINKLERED)	75'-0" (S)	3 STORIES (S)	43,500 SF (SM)
PROPOSED:	34'-0" TO HIGHEST WALL HEIGHT (SEE 1/A0.05)	2 STORIES	SEE CALCULATION BELOW

ALL CALCULATIONS ARE BASED ON THE MOST RESTRICTIVE E OCCUPANCY

FRONTAGE INCREASE (If): AREA INCREASE (Aa)
If = [(F/P) - 0.25]/(W/30) Aa = [If/ x (W/S x If)] x Sa (EQUATION 5-2), SECTION 506.2.3 - SINGLE OCCUPANCY, MULT STORY

BUILDING II
If = [(1289 / 1428) - 0.25]/(30/30) Aa = (43,500 + (14,500 x 0.64) x 2
If = 0.65 **Aa = 105,577 SF ALLOWABLE AREA > [EXISTING BLDG II: 22,525 SF + ADDITION BLDG II: 46,785 SF =70,144 SF] - OK**

506.2.3 NO INDIVIDUAL STORY SHALL EXCEED THE ALLOWABLE AREA (Aa) AS DETERMINED BY EQUATION 5-2 USING THE VALUE OF Sa = 1.
Aa = (43,500 + (14,500 x 0.64) x 1 = 52,788 SF **> 46,785 SF**

GROSS AREA ANALYSIS (BUILDING II):

	EXISTING	ADDITION	TOTALS
1ST FLOOR	22,525 SF	23,891 SF	46,416 SF
2ND FLOOR		20,973 SF	20,973 SF
SUBTOTAL / BLDG	22,525 SF	44,864 SF	67,389 SF
HORIZONTAL PROJECTIONS :	834 SF	1,921 SF	2,755 SF
GRAND TOTAL:	23,359 SF	46,785 SF	70,144 SF

GROSS AREA ANALYSIS:

	(BLDG I)	(BLDG Ia)	(BLDG II)	(BLDG III)	TOTALS
1ST FLOOR	30,986 SF	21,070 SF	46,416 SF	28,258 SF	126,730 SF
2ND FLOOR	34,867 SF	21,070 SF	20,973 SF	7,857 SF	84,767 SF
3RD FLOOR	27,206 SF	20,863 SF			48,111 SF
SUBTOTAL / BLDG	92,459 SF	63,045 SF	67,389 SF	36,115 SF	259,608 TOTAL GROSS BLDG SF
HORIZONTAL PROJECTIONS :	8,800 SF	1,786 SF	2,755 SF	487 SF	13,828 SF TOTAL
GRAND TOTAL:	101,259 SF	64,830 SF	70,144 SF	36,602 SF	272,835 TOTAL FIRE AREA SF

508.3 **NONSEPARATED OCCUPANCIES.** BUILDING OR PORTION OF BUILDINGS THAT COMPLY WITH THE PROVISIONS OF THE SECTION SHALL QUALIFY AS NONSEPARATED OCCUPANCIES.

508.3.1 **OCCUPANCY CLASSIFICATION.** NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BLDG BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE. IN ADDITION, THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA.

508.3.2 **ALLOWABLE BUILDING AREA AND HEIGHT.** THE ALLOWABLE BLDG AREA AND HEIGHT OF THE BUILDING OR PORTION THEREOF SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSIDERATION FOR THE TYPE OF CONSTRUCTION OF THE BLDG IN ACCORDANCE WITH SECTION 503.1.

NOTE: NONSEPARATED USES. ALLOWABLE AREA CALCULATIONS FOR THIS BUILDING HAVE BEEN DETERMINED BASED ON THE MORE RESTRICTIVE "E" OCCUPANCY. THEREFORE, FIRE SEPARATIONS ARE NOT REQUIRED BETWEEN B, E, AND S-2 OCCUPANCIES.

509 INCIDENTAL USE AREAS. THE FOLLOWING ROOMS SHALL HAVE AN AUTOMATIC FIRE EXTINGUISHING SYSTEM AND SHALL BE CONSTRUCTED TO RESIST THE PASSAGE OF SMOKE (INDICATED BY "I" LABEL ON WALL SANITARIES PER PLAN), AND AUTOMATIC-CLOSING DOORS UPON DETECTION OF SMOKE PER 509.4.2- LABORATORIES AND VOCATIONAL SHOPS

509.4.2 **INCIDENTAL USES.** WHERE TABLE 509 PERMITS AUTOMATIC SPRINKLER SYSTEM WITHOUT A FIRE BARRIER, THE INCIDENTAL USES SHALL BE SEPARATED FROM THE REMAINDER OF THE BLDG BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE WALLS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR ASSEMBLY BELOW TO THE UNDERSIDE OF THE CEILING THAT IS A COMPONENT OF A FIRE RESISTANCE RATED FLOOR ASSEMBLY OR ROOF ASSEMBLY ABOVE OR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE. DOORS SHALL BE SELF- OR AUTOMATIC-CLOSING UPON DETECTION OF SMOKE IN ACCORDANCE WITH SECTION 716.5.9.3. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 80. WALLS SURROUNDING THE INCIDENTAL USE SHALL NOT HAVE AIR TRANSFER OPENINGS UNLESS PROVIDED WITH SMOKE DAMPERS IN ACCORDANCE WITH SECTION 710.8.7/716.5.9.3.

TYPES OF CONSTRUCTION (IBC CHAPTER 6):

TABLE 601: FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS - **TYPE II-B CONSTRUCTION:** (0) FIRE RESISTANCE RATING

TABLE 602: **FIRE RESISTANCE RATING OF EXTERIOR WALLS – 0-HR**; AT TYPE II-B CONSTRUCTION WHERE SEPARATION DISTANCE TO PROPERTY LINE AND ASSUMED PROPERTY LINES ARE GREATER THAN 10' (SEE EGRESS DIAGRAM PLAN) SEPARATION DISTANCE TO PROPERTY LINE AND ANY ASSUMED PROPERTY LINES ARE GREATER THAN 10'

FIRE RESISTIVE MATERIALS AND CONSTRUCTION (IBC CHAPTER 7):

TABLE 705.8 **MAXIMUM AREA OF EXTERIOR WALL OPENINGS:**

FIRE SEPARATION DISTANCE (F.S.D.)	OPENING PROTECTION (P, S (UNPROTECTED, SPRINKLED))	ALLOWABLE AREA
20' < X	UP, S (UNPROTECTED, SPRINKLED)	NO LIMIT

705.8.1 **ALLOWABLE AREA OF OPENINGS**. (EXCEPTION 2) BUILDINGS WHOSE EXT WALLS ARE NOT REQD TO BE FIRE-RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS.

705.11 **PARAPETS**. EXCEPTION 1: A PARAPET NEED NOT BE PROVID ON AN EXT WALL IF THE WALL IS NOT REQD TO BE FIRE-RATED PER TABLE 602 BECAUSE OF FIRE SEPARATION DISTANCE.

713.4 **FIRE-RESISTANCE RATING**. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. SHAFT ENCLOSURES SHALL MEET THE REQUIREMENTS OF SECTION 703.2.1.
(SEE ALSO SECTION 717.6.3)

713.14 **ELEVATOR & OTHER HOISTWAYS.** ELEVATORS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 713 & CHAPTER 30.

714.5 **NON-FIRE RESISTANCE RATED ASSEMBLIES**. PENETRATIONS OF NONFIRE-RESISTANCE-RATED FLOOR OR FLOOR/CEILING ASSEMBLIES OR THE CEILING MEMBRANE OF A NONFIRE-RESISTANCE-RATED ROOF/CEILING ASSEMBLY SHALL MEET THE REQUIREMENTS OF SECTION 715 OR SHALL COMPLY WITH SECTION 714.5.1 OR 714.5.2.

714.5.1 **NON-COMBUSTIBLE PENETRATING ITEMS**. NON-COMBUSTIBLE PENETRATING ITEMS THAT CONNECT NOT MORE THAN FIVE STORIES ARE PERMITTED, PROVIDED THAT THE ANNULAR SPACE IS FILLED TO RESIST THE FREE PASSAGE OF FLAME AND THE AND THE PRODUCTS OF COMBUSTION WITH AN APPROVED NON-COMBUSTIBLE MATERIAL, OR WITH A FILL, VOID OR CAVITY MATERIAL THAT IS TESTED AND CLASSIFIED FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS.

714.5.2 **PENETRATING ITEMS**. PENETRATING ITEMS THAT CONNECT NOT MORE THAN TWO STORIES ARE PERMITTED, PROVIDED THAT THE ANNULAR SPACE IS FILLED WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION.

717.6.3 **NONFIRE-RATED FLOOR ASSEMBLIES**. DUCT SYSTEMS CONSTRUCTED OF APPROVED MATERIALS IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE THAT PENETRATE NONFIRE-RATED FLOOR ASSEMBLIES SHALL BE PROTECTED BY:

METHOD #1: A SHAFT ENCLOSURE IN ACCORDANCE WITH SECTION 713. ***(NOT PROPOSED)***
METHOD #2: THE DUCT CONNECTS NOT MORE THAN TWO STORIES AND THE ANNULAR SPACE AROUND THE PENETRATING DUCT IS PROTECTED WITH AN APPROVED NONCOMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION. ***(PROPOSED @ 2 STORY SHAFTS)***

718.1 **FIREBLOCKING AND DRAFTSTOPPING** - NOT REQUIRED IN NON-COMBUSTIBLE CONSTRUCTION.

FIREFLOW REQUIREMENTS (IFC APPENDIX B):

B105.2 **REQUIRED FIRE FLOW**

	TB105.1(2)	AREA	FIRE FLOW	FLOW DURATION
BLDG I + BLDG Ia + BLDG II + BLDG III = HORIZ PROJ =	272,835 SF TYPE II-B	136,301~GREATER	8,000 GPM	4 HOURS

PER TB105.1(2): FIRE FLOW REQUIRED TO SITE (TOTAL BUILDING): **= 8,000 GPM**
PER TB105.2: ALLOWED MINIMUM FIRE FLOW TO BE 25% OF VALUE IN TB105.1(2) = 8,000 x 0.25 **= 2,000 GPM REQD**
FIRE FLOW PROVIDED = 2,000 GPM PROVID

INTERIOR FINISHES (IBC CHAPTER 8):

TABLE 803.11 MAXIMUM ALLOWABLE FLAME SPREAD, FOR GROUP E OCCUPANCY, SPRINKLERED:

INT EXIT STAIRWAYS, RAMPS, EXIT PASSAGEWAYS	CLASS B - CLASS C PERMITTED PER FOOTNOTES A,B.
CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRWAYS, RAMPS	CLASS C (FLAME SPREAD 76-200)
ROOMS & ENCLOSED SPACES	CLASS C (FLAME SPREAD 76-200)

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9):

Not reviewed for accuracy by Fire Dept, separate permits are required for all fire protection systems

(F)903.2.3 AUTOMATIC SPRINKLER SYSTEM REQUIRED FOR GROUP E.

(F)903.2.11.5 **AUTOMATIC SPRINKLER SYSTEM** SHALL BE INSTALLED IN COMMERCIAL KITCHEN HOOD AND DUCT SYSTEM

906.1 **WHERE REQUIRED**. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN ALL OF THE FOLLOWING LOCATIONS:
1. IN GROUP A, B, E, F, H, I, M, R-1, R-2, R-4 AND S OCCUPANCIES.
2. WITHIN 30 FEET OF COMMERCIAL COOKING EQUIPMENT.
3. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED.
6. SPECIAL HAZARD AREAS, INCLUDING BUT NOT LIMITED TO LABORATORIES, COMPUTER ROOMS AND GENERATOR ROOMS, WHERE REQUIRED BY THE FIRE CODE OFFICIAL.

SEE OVERALL FLOOR PLANS FOR PORTABLE FIRE EXTINGUISHER LOCATIONS.

907 **FIRE ALARM DETECTION SYSTEM**, INCLUDING SMOKE DETECTORS AND STROBE ALARMS (ANNUNCIATOR PANEL AND KNOX BOX ACCESS) REQUIRED.

[F] TABLE 905.3.1 AT LIGHT HAZARD OCCUPANCIES:
MINIMUM RATED SINGLE EXTINGUISHER = 2-A (2 UNITS OF A) MAXIMUM FLOOR AREA PER UNIT A = 3,000 SQFT
MAXIMUM FLOOR AREA FOR EXTINGUISHER = 11,250 SQFT MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = 75 FEET

[F] 907.2.3 **GROUP E. MANUAL FIRE ALARM SYSTEM** THAT INITIATES THE OCCUPANT NOTIFICATION SIGNAL UTILIZING AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM MEETING THE REQUIREMENTS OF SECTION 907.5.2.2 AND INSTALLED IN ACCORDANCE WITH SECTION 907.6 SHALL BE INSTALLED IN GROUP E OCCUPANCIES. WHEN AUTOMATIC SPRINKLER SYSTEMS OR SMOKE DETECTORS ARE INSTALLED, SUCH SYSTEMS OR DETECTORS SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

EXCEPTION 3: MANUAL FIRE ALARM BOXES SHALL NOT BE REQUIRED IN GROUP E OCCUPANCIES WHERE THE FOLLOWING APPLY:
3.1 INTERIOR CORRIDORS ARE PROTECTED BY SMOKE DETECTORS WITH ALARM VERIFICATION.
3.2 AUDITORIUMS, CAFETERIAS, GYMNASIUMS AND THE LIKE ARE PROTECTED BY HEAT DETECTORS OR OTHER APPROVED DETECTION DEVICES.
3.3 SHOPS AND LABORATORIES INVOLVING DUSTS OR VAPORS ARE PROTECTED BY HEAT DETECTORS OR OTHER APPROVED DETECTION DEVICES.

EXCEPTION 4. MANUAL FIRE ALARM BOXES SHALL NOT BE REQUIRED IN GROUP E OCCUPANCIES WHERE ALL OF THE FOLLOWING APPLY:
4.1 THE BUILDING IS EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.
4.2 THE EMERGENCY VOICE / ALARM COMMUNICATION SYSTEM WILL ACTIVATE ON SPRINKLER WATER FLOW.
4.3 MANUAL ACTIVATION IS PROVIDED FROM A NORMALLY OCCUPIED LOCATION.

[F] 915.1 **GENERAL. CARBON MONOXIDE DETECTION** SHALL BE INSTALLED IN NEW BUILDINGS IN ACCORDANCE WITH SECTIONS 915.1.1 THRU 915.6.

[F] 915.1.1 WHERE REQUIRED. CARBON MONOXIDE DETECTION SHALL BE PROVIDED ... IN CLASSROOMS IN GROUP E OCCUPANCIES IN THE LOCATIONS SPECIFIED IN SECTION 915.2 WHERE ANY OF THE CONDITIONS IN SECTIONS 915.1.2 THRU 915.1.6 EXIST.

[F] 915.1.2 **FUEL BURNING APPLIANCES.** DETECTION SHALL BE PROVIDED IN ... CLASSROOMS THAT CONTAIN A FUEL BURNING APPLIANCE.

[F] 915.2.3 THAT **GROUP E OCCUPANCIES**. CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN ON-SITE LOCATION IS STAFFED BY SCHOOL PERSONNEL.

MEANS OF EGRESS (IBC CHAPTER 10):

1004 SEE EGRESS PLANS FOR IDENTIFIED EGRESS ROUTES AND OCCUPANT LOADS.

1004.1.1 **CUMULATIVE OCCUPANT LOADS**. WHERE THE PATH OF EGRESS TRAVEL INCLUDES INTERVENING ROOMS, AREAS OR SPACES, CUMULATIVE OCCUPANT LOADS SHALL BE DETERMINED IN ACCORDANCE w/ THIS SECTION.

1004.1.1.1 **INTERVENING SPACES OR ACCESSORY AREAS.** WHERE OCCUPANTS EGRESS FROM ONE OR MORE ROOMS, AREAS OR SPACES THRU OTHERS, THE DESIGN OCCUPANT LOAD SHALL BE COMBINED OCCUPANT LOAD OF INTERCONNECTED ACCESSORY OR INTERVENING SPACES.

1004.1.2 **AREA WITHOUT FIXED SEATING**. THE NUMBER OF OCCUPANTS SHALL BE COMPUTED AT THE RATE OF ONE OCCUPANT PER UNIT OF AREA AS PRESCRIBED IN TABLE 1004.1.2

1004.3 **POSTING OF OCCUPANT LOAD.** ALL ASSEMBLY OCCUPANCIES SHALL HAVE THE OCCUPANT LOAD OF THE ROOM POSTED NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY.

1005.3.1 **STAIRWAYS.** WHERE STAIRWAYS SERVE MORE THAN ONE STORY, ONLY THE OCCUPANT LOAD OF EACH STORY CONSIDERED INDIVIDUALLY SHALL BE USED IN COMPUTING THE REQUIRED CAPACITY OF THE EXITS AT THAT FLOOR, PROVIDED THAT THE EXIT CAPACITY SHALL NOT DECREASE IN THE DIRECTION OF EGRESS TRAVEL.

1005.3.2 **OTHER EGRESS COMPONENTS - EXCEPTIONS:** 1. FOR OTHER THAN GROUP H & I-2 OCCUPANCIES, THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF **0.15 INCH** - IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM - AND AN EMERGENCY VOICE/ ALARM COMMUNICATION SYSTEM.

1005.4 **CONTINUITY**. THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE MEANS OF EGRESS REQUIRED FROM ANY STORY OF A BUILDING SHALL NOT BE REDUCED ALONG THE PATH OF EGRESS TRAVEL UNTIL ARRIVAL AT THE PUBLIC WAY.

1005.5 **DISTRIBUTION OF MINIMUM WIDTH & REQUIRED CAPACITY**. WHERE MORE THAN ONE EXIT, OR ACCESS TO MORE THAN ONE EXIT, IS REQUIRED, THE MEANS OF EGRESS SHALL BE CONFIGURED SUCH THAT THE LOSS OF ANY ONE EXIT, OR ACCESS TO ONE EXIT, SHALL NOT REDUCE THE AVAILABLE CAPACITY OR WIDTH TO LESS THAN 50% OF THE REQUIRED CAPACITY OR WIDTH.

1006.2.1 **EGRESS BASED ON OCCUPANT LOAD & COMMON PATH OF EGRESS TRAVEL DISTANCE.** TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1.

1006.2.1.1 **THREE OR MORE EXITS OR EXIT ACCESS DOORWAYS** SHALL BE PROVIDED FROM ANY SPACE WITH AN OCCUPANT LOAD OF 501 TO 1,000. FOUR EXITS OR EXIT ACCESS DOORWAYS SHALL BE PROVIDED FROM ANY SPACE WITH AN OCCUPANT LOAD GREATER THAN 1,000.

TABLE 1006.3.1 **MINIMUM NUMBER OF EXITS** OR ACCESS TO EXITS PER STORY

OCCUPANTS	EXITS
50 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

1007.1.1 **TWO EXITS OR EXIT ACCESS DOORWAYS - EXCEPTIONS:** 2. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM - THE SEPARATION DISTANCE SHALL BE NOT LESS THAN (1/3) ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

1007.1.2 **THREE OR MORE EXITS OR EXIT ACCESS DOORWAYS.** WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED, NOT LESS THAN TWO EXIT OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 1007.1.1. ADDITIONAL REQUIRED EXIT OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED AT A REASONABLE DISTANCE APART SO THAT IF ONE BECOMES BLOCKED, THE OTHERS WILL BE AVAILABLE.

1009.1 **ACCESSIBLE MEANS OF EGRESS REQUIRED**. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED BY SECTION 1006.2 OR 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

1009.3 **STAIRWAYS. EXCEPTION 5. AREA REFUGE IS NOT REQUIRED** AT STAIRWAYS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

1010.1.1 **DOORS, GATES, TURNSTILES**. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE **48 INCHES**. HEIGHT OF DOOR OPENINGS SHALL BE NOT LESS THAN **80 INCHES**.

1010.1.2 **DOOR SWING.** EGRESS DOORS SHALL BE OF THE PIVOTED OR SIDE-HINGED SWINGING TYPE. **EXCEPTIONS: 6.** IN OTHER THAN GROUP H OCCUPANCIES, SPECIAL PURPOSE HORIZONTAL SLIDING, ACCORDION OR FOLDING DOOR ASSEMBLIES COMPLYING WITH SECTION 1010.1.4.3.
EXCEPTIONS: 7. POWER-OPERATED DOORS IN ACCORDANCE WITH SECTION 1010.1.4.2

1010.1.4.2 **POWER-OPERATED DOORS**. WHERE MEANS OF EGRESS DOORS ARE OPERATED OR ASSISTED BY POWER. THE DESIGN SHALL BE SUCH THAT IN THE EVENT OF POWER FAILURE, THE DOOR IS CAPABLE OF BEING OPENED MANUALLY TO PERMIT MEANS OF EGRESS TRAVEL OR CLOSED WHERE NECESSARY TO SAFEGUARD MEANS OF EGRESS.

1010.1.10 **PANIC AND FIRE EXIT HARDWARE**. DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP A OR E OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.
EXCEPTIONS: 1. A MAIN EXIT OF A GROUP A OCCUPANCY SHALL BE PERMITTED TO BE LOCKING IN ACCORDANCE WITH SECTION 1010.1.9.3, ITEM 2.
EXCEPTIONS: 2. DOORS SERVING A GROUP A OR E OCCUPANCY SHALL BE PERMITTED TO BE ELECTROMAGNETICALLY LOCKED IN ACCORDANCE WITH SECTION 1010.1.9.9

1010.1.10.3 **ELECTRICAL ROOMS & WORKING CLEARANCES**. EXIT AND EXIT ACCESS DOORS SERVING ELECTRICAL ROOMS & WORKING SPACES SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL AND SHALL BE EQUIPPED WITH PANIC HARDWARE OR FIRE EXIT HARDWARE WHERE SUCH ROOMS OR WORKING SPACES CONTAIN ONE OR MORE OF THE FOLLOWING: 1. EQUIPMENT OPERATING AT MORE THAN 600 VOLTS, NOMINAL. 2. EQUIPMENT OPERATING AT 600 VOLTS OR LESS, NOMINAL AND RATED AT 800 AMPERES OR MORE AND WHERE THE EQUIPMENT CONTAINS OVERCURRENT DEVICES, SWITCHING DEVICES OR CONTROL DEVICES. **EXCEPTION:** PANIC & FIRE EXIT HARDWARE IS NOT REQUIRED ON EXIT AND EXIT ACCESS DOORS SERVING ELECTRICAL EQUIPMENT ROOMS & WORKING SPACES WHERE SUCH DOORS ARE NOT LESS THAN 25 FT FROM THE NEAREST EDGE OF THE ELECTRICAL EQUIPMENT.

MEANS OF EGRESS (IBC CHAPTER 10) CONT'D:

1013.4 **RAISED CHARACTER & BRAILLE EXIT SIGNS.** A SIGN STATING "EXIT" IN VISUAL CHARACTERS, RAISED CHARACTERS & BRAILLE & COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

1014.6 **HANDRAILS SHALL EXTEND 12 INCHES** BEYOND TOP RISER & TOP/BOTTOM OF RAMP RUNS. HANDRAIL EXTENSIONS SHALL CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER.

1015.2 **GUARDS - WHERE REQUIRED**. GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING MEZZANINES, EQUIPMENT PLATFORMS, AISLES, STAIRS, RAMPS AND LANDINGS THAT ARE LOCATED MORE THAN **30 INCHES** MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW. **EXCEPTION:** GUARDS ARE NOT REQUIRED FOR THE FOLLOWING LOCATIONS: 1. ON THE LOADING SIDE OF LOADING DOCKS OR PIERS. 2. ON THE AUDIENCE SIDE OF STAGES AND RAISED PLATFORMS, INCLUDING STAIRS LEADING UP TO THE STAGE AND RAISED PLATFORMS. 3. ON RAISED STAGE AND PLATFORM FLOOR AREAS

1015.7 **GUARDS - ROOF ACCESS.** GUARDS SHALL BE PROVIDED WHERE THE ROOF HATCH OPENING IS LOCATED WITHIN **10 FT** OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN **30 INCHES** ABOVE THE FLOOR, ROOF OR GRADE BELOW. EXCEPTION: GUARDS ARE NOT REQUIRED WHERE PERMANENT FALL ARREST/ RESTRAINT ANCHORAGE CONNECTOR DEVICES THAT COMPLY WHT ANSI ASSE A 359.1 ARE AFFIXED FOR USE DURING THE ENTIRE ROOF COVERING LIFETIME.

1016.2 **EXIT ACCESS - EGRESS THRU INTERVENING SPACES**. 2. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THRU ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER. 3. EGRESS SHALL NOT PASS THRU KITCHENS, STORAGE ROOMS, CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.

TABLE 1017.2 **EXIT ACCESS TRAVEL DISTANCE LIMITATIONS.**

OCCUPANCY	WITH SPRINKLER SYSTEM
E	250'

1017.3 **EXIT ACCESS MEASUREMENT.** EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT.

1019.2 **EXIT ACCESS STAIRWAYS & RAMPS** THAT SERVE FLOOR LEVELS WITHIN A SINGLE STORY ARE NOT REQUIRED TO BE ENCLOSED.

1019.3 **FLOOR OPENINGS CONTAINING EXIT ACCESS STAIRWAYS** THAT DO NOT COMPLY WITH ONE OF THE CONDITIONS LISTED IN THIS SECTION SHALL BE ENCLOSED WITH A SHAFT ENCLOSURE. 1. EXIT ACCESS STAIRWAYS AND RAMPS THAT SERVE OR ATMOSPHERICALLY CONNECTED WITHIN ONLY TWO STORIES. SUCH INTERCONNECTED STORIES SHALL NOT BE OPEN TO OTHER STORIES.

1020.1 **CORRIDOR CONSTRUCTION**. CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.1. USE GROUP (E) / OCC LOAD > 30, WITH SPRINKLER SYSTEM = **0 HOUR**

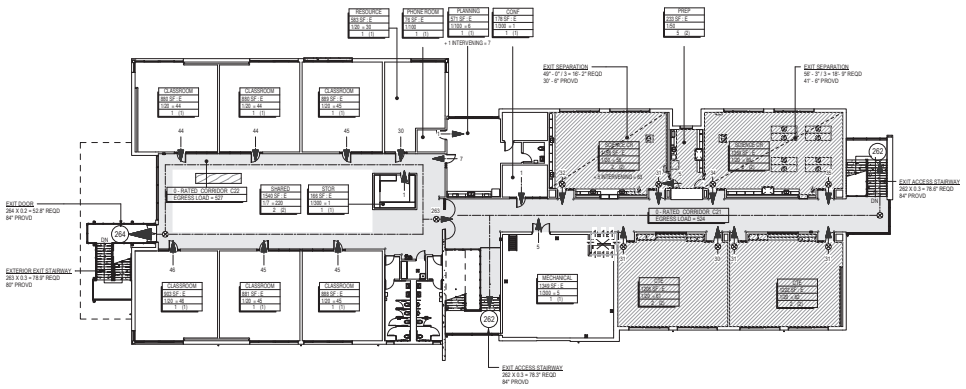
1020.2 **CORRIDOR WIDTH.** THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1 BUT NOT LESS THAN **44 INCHES**.

1020.4 **DEAD ENDS**. WHERE MORE THAN ONE EXIT IS REQUIRED, **EXCEPTION: 2.** USE GROUP (E), WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM THE LENGTH OF THE DEAD END CORRIDORS SHALL NOT EXCEED **50 FEET**.

ACCESSIBILITY (2015 WASHINGTON STATE AMENDMENTS TO 2015 IBC CHAPTER 11):

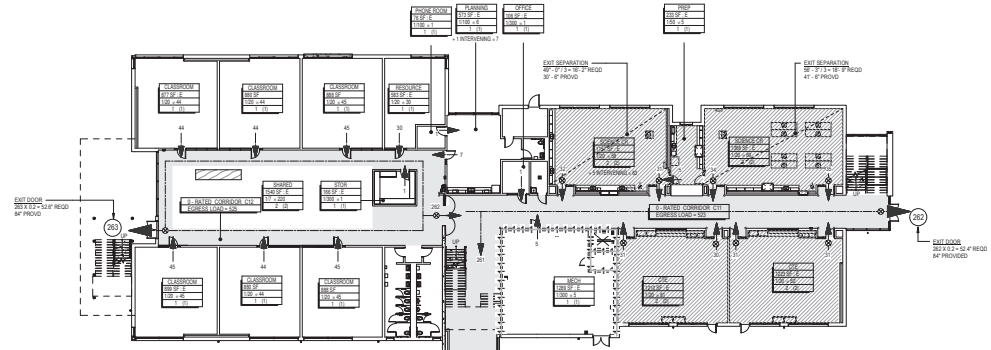
1104.4 AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH ACCESSIBLE STORY AND MEZZANINE IN MULTI-LEVEL BUILDINGS AND FACILITIES.

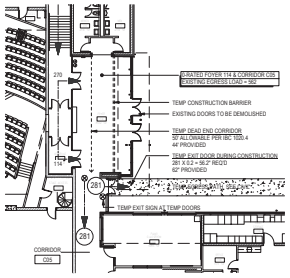
1105.1 IN ADDITION TO ACCESSIBLE ENTRANCES REQUIRED BY SECTIONS 1105.1.1 THRU 1105.1.7, AT LEAST 60

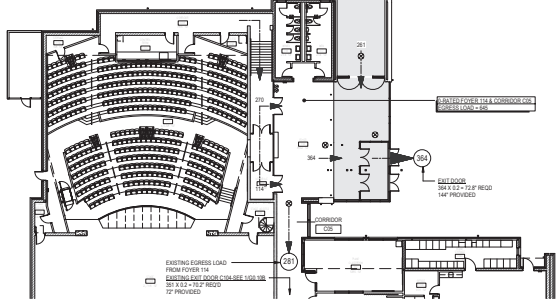


SECOND FLOOR EGRESS DIAGRAM 2

Scale: 1/16" = 1'-0"



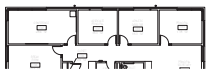




TEMP FIRST FLOOR EGRESS DIAGRAM 3

TEMPORARY CONDITION DURING CONSTRUCTION PERIOD

Scale: 1/16" = 1'-0"



FIRST FLOOR EGRESS DIAGRAM 1

Scale: 1/16" = 1'-0"

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GENERAL NOTES:

1. ALL OCCUPANCIES ARE 'E' UNLESS NOTED OTHERWISE.
2. PATH OF EXIT TRAVEL TO BE IDENTIFIED BY EXITS SIGNS, PER IBC1013.1 DOORS ONLY ARE IDENTIFIED - SEE REFLECTED CEILING PLANS FOR EXIT SIGNAGE.
3. SEE SHT A0.03 FOR FIRE RATED ASSEMBLY DETAILS.
4. ACCESSORY USES ARE NOT INCLUDED IN OCCUPANCY CALCULATIONS.
5. FIRE EXTINGUISHER LOCATIONS SHOWN ON OVERALL FLOOR PLAN SHEETS.
6. PANIC HARDWARE SHALL BE PROVIDED ON ALL EXIT DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE PER IBC 1010.1.10.
7. SEE G0.10 FOR BUILDING SEPARATION DIAGRAM.
8. AT ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS AND SMOKE PARTITIONS / BARRIERS PROVIDE PERMANENT IDENTIFICATION AT ALL ACCESSIBLE CONCEALED SPACES. REFER TO SIGNAGE SHEET.
9. PROVIDE "MAXIMUM OCCUPANT" LOAD SIGNAGE AT ALL ASSEMBLY SPACES WHERE OCCUPANT LOAD EXCEEDS 50 OCCUPANTS, SEE SIGNAGE SHEETS FOR ADDITIONAL INFORMATION.
10. E* = ACCESSORY STORAGE SPACES USED FOR STORAGE PURPOSES THAT IS LESS THAN 100 SQUARE FEET AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS PART OF THAT OCCUPANCY.

LEGEND

ROOM NAME — CLASSROOM
OCCUPANT LOAD FACTOR AND TOTAL OCCUPANT LOAD (TABLE 1004.1.1) — XXX SF / 1200 = XX / 31
AREA AND OCCUPANCY TYPE
NO. OF REQUIRED EXITS (AND EXITS PROVIDED)

1 HOUR FIRE BARRIER — 1 1 1 1 1 1
2 HOUR FIRE BARRIER — 2 2 2 2 2 2
PATH OF EXIT TRAVEL
REQUIRED EXIT FROM INDIVIDUAL ROOM WITH OCCUPANT LOAD — 42
EXIT DISCHARGE WITH OCCUPANT LOAD — 92
EXIT DOOR DESIGNATION
0-RATED CORRIDOR (T1019.1) &/OR HALLWAY, AS INDICATED. NO SPECIAL CONSTRUCTION REQUIRED
1 HOUR RATED FLOOR/CEILING ASSEMBLY
INCIDENTAL USE THAT REQUIRES CONSTRUCTION TO RESIST THE PASSAGE OF SMOKE (PER IBC 710)

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STATE OF WASHINGTON

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LAKE WASHINGTON HIGH SCHOOL ADDITION

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CODE SUMMARY - FIRST FLOOR EGRESS DIAGRAM

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SCHEMATIC DESIGN	30 JULY 18
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PERMIT SET	01 MAR 19

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Legend

- EXISTING BUILDING TO REMAIN
- ASPHALT PAVING
- CONCRETE PAVING
- * ACCESSIBLE EXIT
- ACCESSIBLE PATH OF TRAVEL

SITE PLAN GENERAL NOTES:

1. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, GRADING, PAVING AND CURBS, STRIPING, AND UTILITIES.
2. SEE LANDSCAPE DRAWINGS FOR FENCING, PLANTING, AND IRRIGATION.
3. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND SITE ELECTRICAL UTILITIES.
4. DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY, SEE CIVIL FOR BUILDING WORKPOINTS.

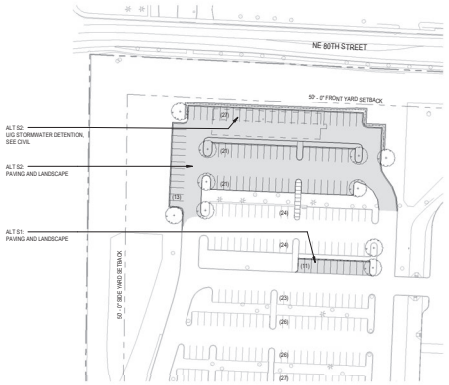
Site Calculations

CAMPUS PARKING (BASE BID)					ACCESSIBLE (IBC T1106.1)					VAN ACCESSIBLE				
REQ'D	PROVIDED				REQ'D 2%	PROVIDED				REQ'D 1:6	PROVIDED			
	EXIST	DELETE	ADD	TOTAL		EXIST	DELETE	ADD	TOTAL		EXIST	DELETE	ADD	TOTAL
520*	512	-121	+174**	565		12	18	-3	+4	19	4	7	-1	+2	8

CAMPUS PARKING (ALTERNATE)					ACCESSIBLE (IBC T1106.1)					VAN ACCESSIBLE				
REQ'D	PROVIDED				REQ'D 2%	PROVIDED				REQ'D 1:6	PROVIDED			
	EXIST	DELETE	ADD	TOTAL		EXIST	DELETE	ADD	TOTAL		EXIST	DELETE	ADD	TOTAL
520*	512	-121	+209**	600		12	18	-3	+4	19	4	7	-1	+2	8

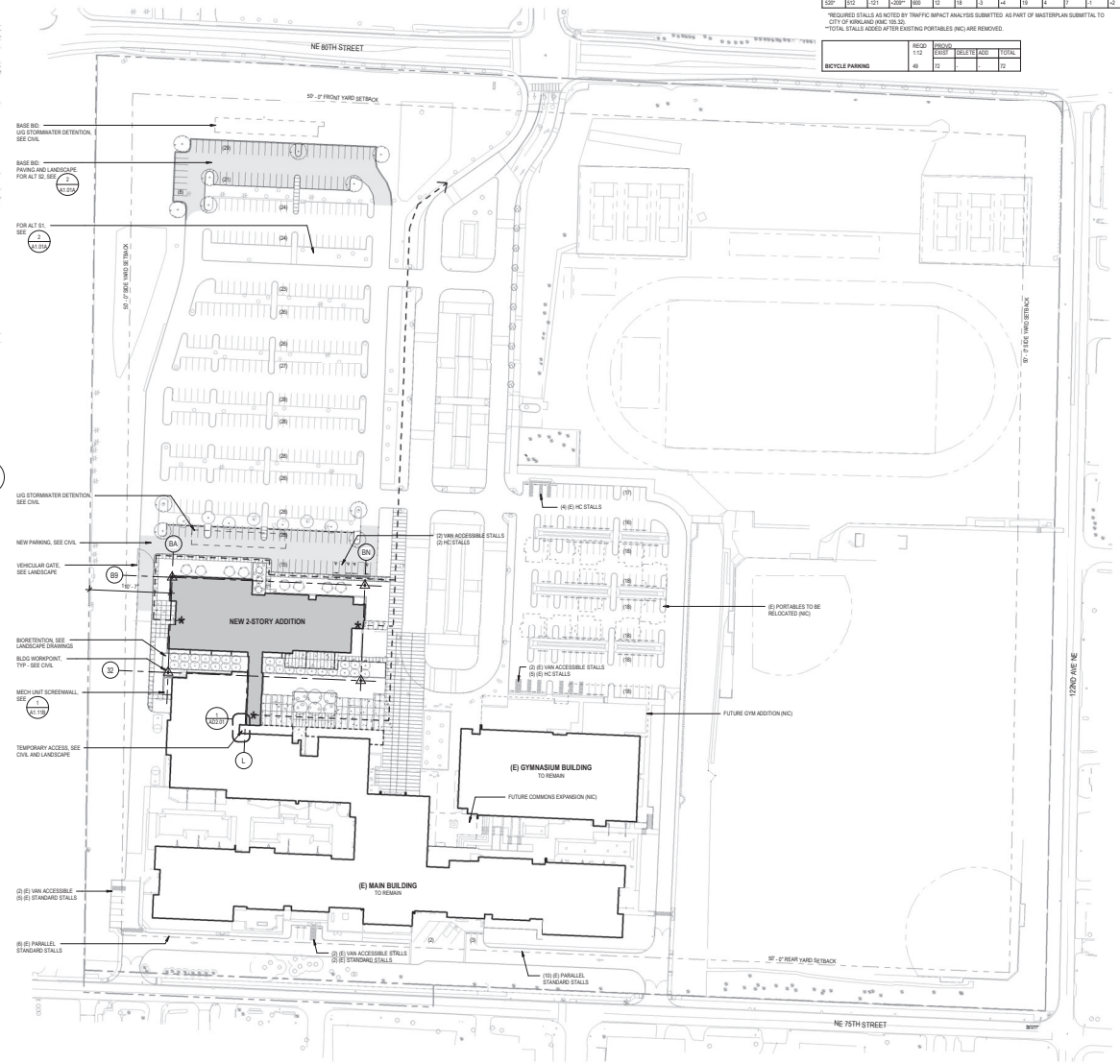
*REQUIRED STALLS AS NOTED BY TRAFFIC IMPACT ANALYSIS SUBMITTED AS PART OF MASTERPLAN SUBMITTAL TO CITY OF KIRKLAND (KMC 105.32).
**TOTAL STALLS ADDED AFTER EXISTING PORTABLES (NIC) ARE REMOVED.

	REQ'D 1:12	PROVIDED			
		EXIST	DELETE	ADD	TOTAL
BICYCLE PARKING	49	72		-	72



NORTH

PARTIAL ARCHITECTURAL SITE PLAN - ALTERNATES (2)
Scale: 1" = 60'-0"



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OVERALL ARCHITECTURAL SITE PLAN - BASE BID (1)
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ARCHITECTURAL SITE PLAN - REFERENCE ONLY

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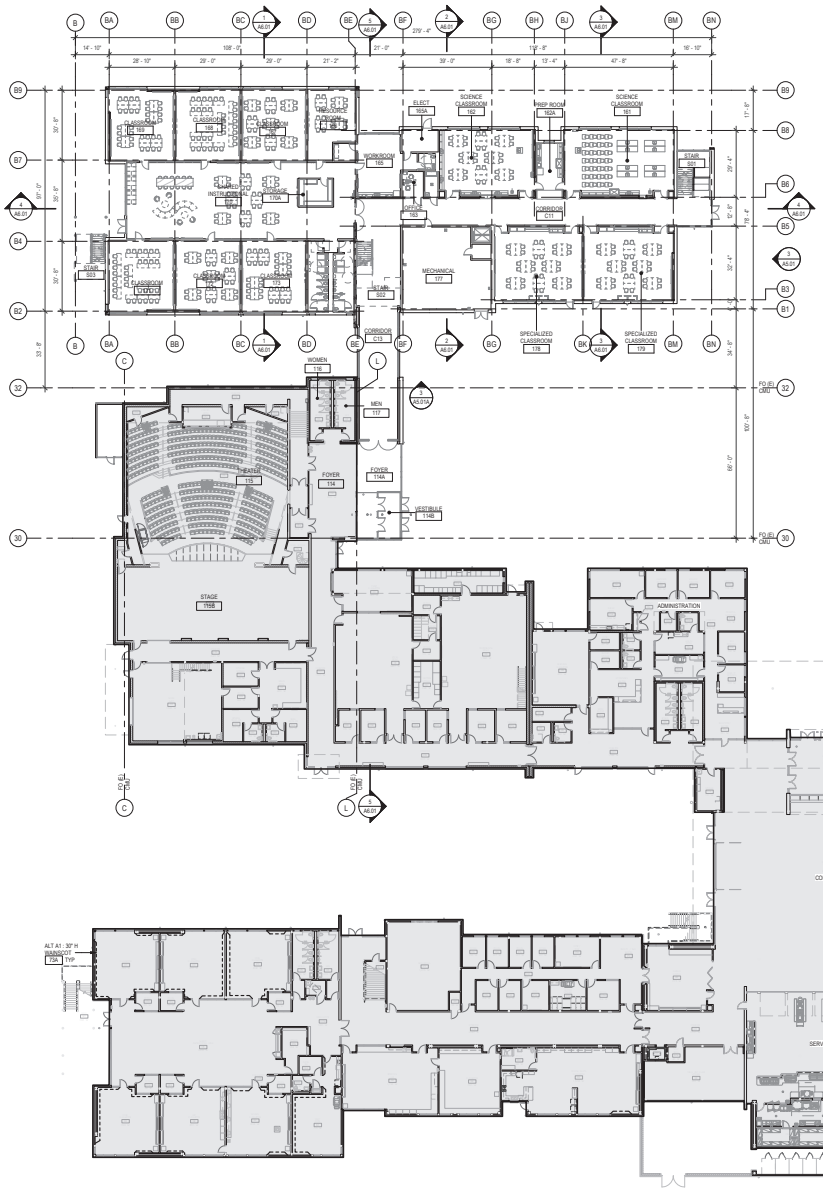
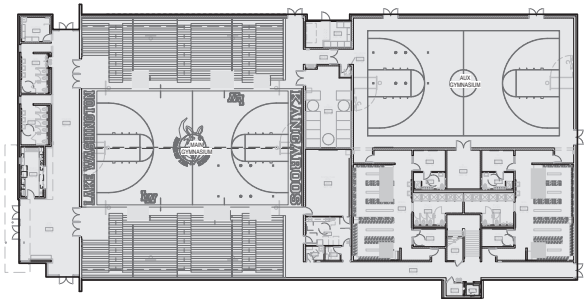


OVERALL FLOOR PLAN GENERAL NOTES: (SHEETS A2.01-A2.03)

1. THESE GENERAL NOTES APPLY TO ALL OVERALL FLOOR PLAN DRAWINGS.
2. FIRST FLOOR ELEVATION DATUM 0'-0" = (410.0') PER CIVIL
3. FURNITURE SHOWN FOR REFERENCE ONLY.

OVERALL FLOOR PLAN LEGEND

- EXISTING CONDITION (NIC)
- NEW SCOPE
- ALTERNATE A1



OVERALL FIRST FLOOR PLAN
1" = 20'-0"

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OVERALL FIRST FLOOR PLAN

KEY PLAN
A2.01 A2.02 A2.03

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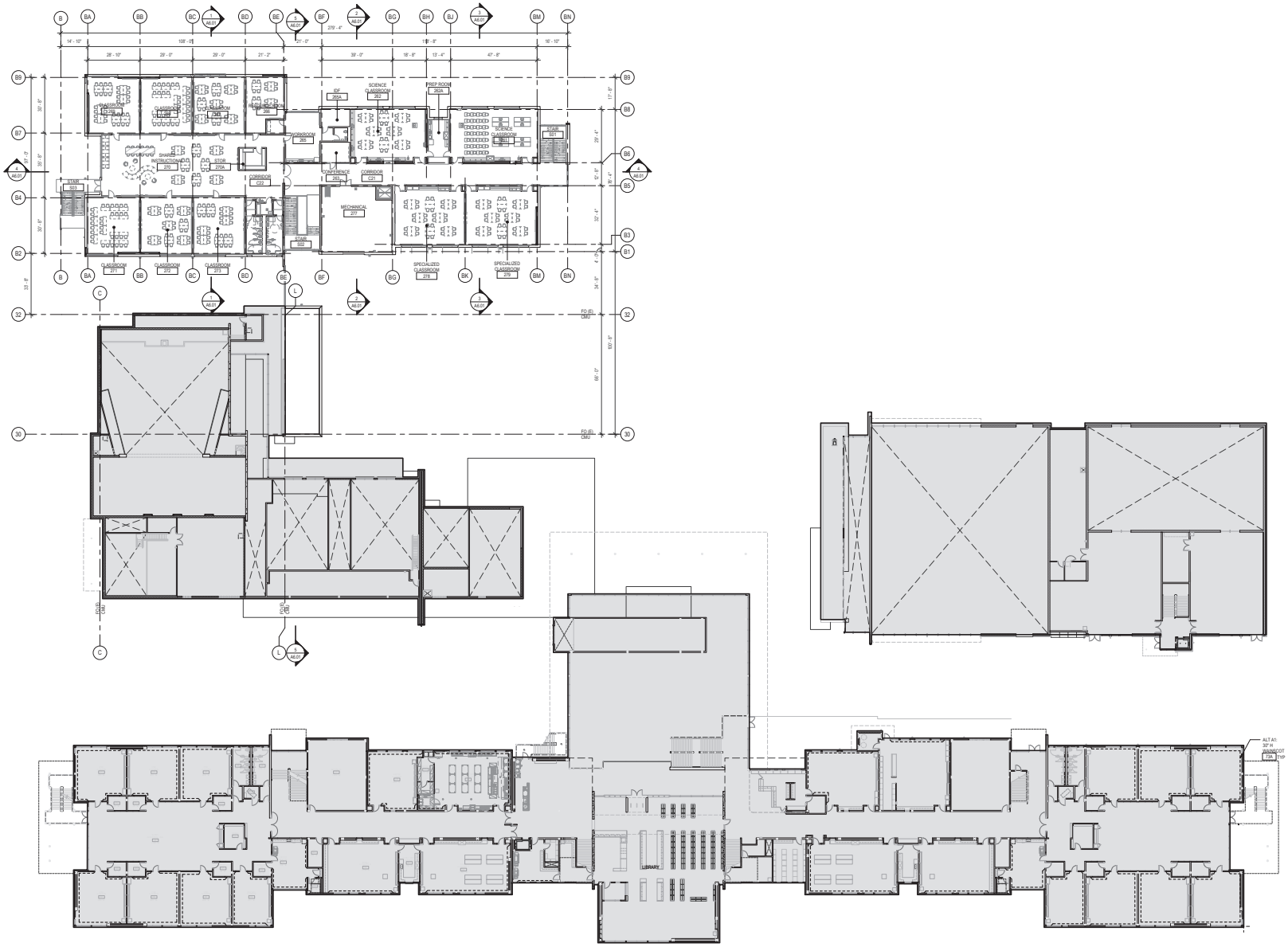

OVERALL SECOND FLOOR PLAN
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STATE OF WASHINGTON

project_
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OVERALL SECOND FLOOR PLAN

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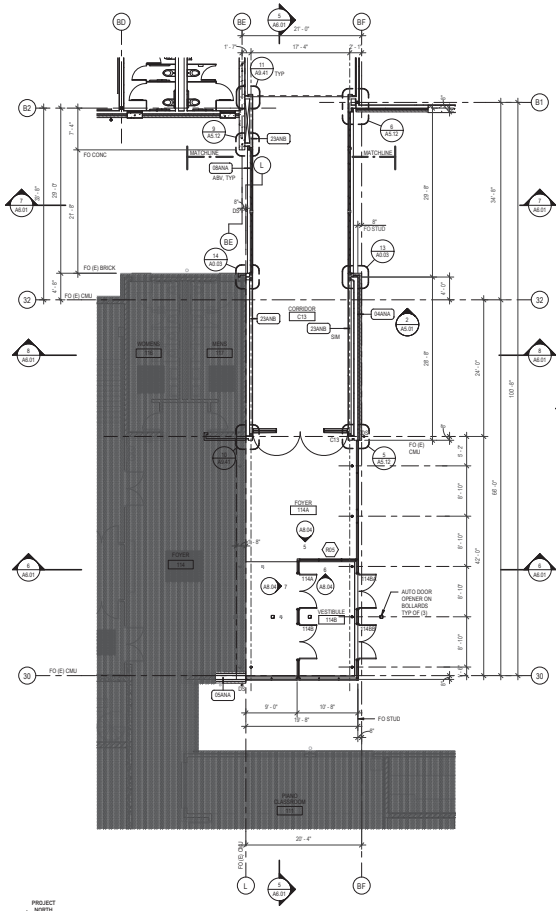
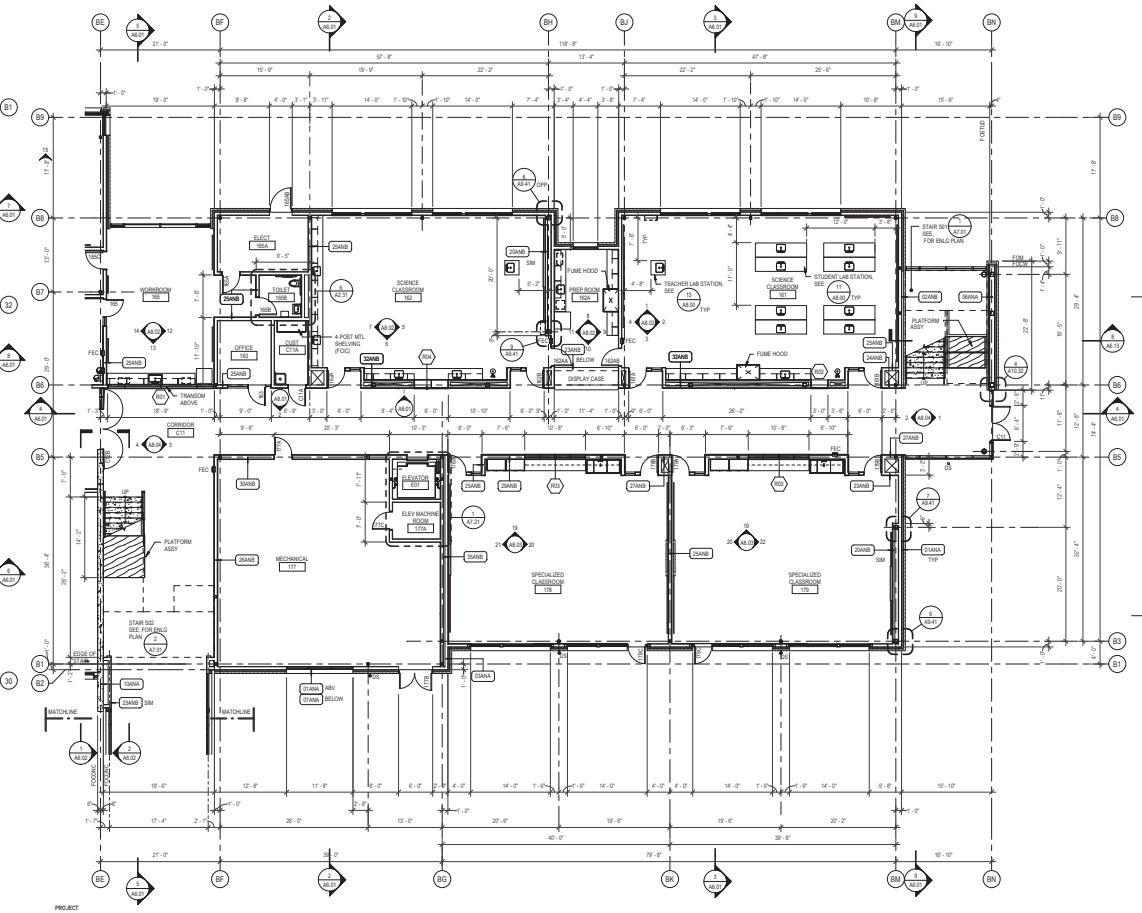
PARTIAL FLOOR PLAN GENERAL NOTES: (SHEETS A2.11 - A2.24)

1. THESE GENERAL NOTES APPLY TO ALL PARTIAL FLOOR PLAN DRAWINGS.
2. GRIDLINES ARE CENTERLINE OF STRUCTURE UNO
3. WALL DIMENSIONS ARE TO FACE OF STUD, UNO.
4. SEE SHEET A0.02 FOR WALL TYPES.
   ALL EXTERIOR WALLS ARE TYPE 2VANB UNO.
   ALL INTERIOR WALLS ARE TYPE 2SANB UNO.
5. SEE (1 / A8.00) FOR MOUNTING HEIGHTS OF ALL WALL-MOUNTED EQUIPMENT (WB, TB, TV, ETC.)
6. SEE FINISH PLANS FOR ALL SLAB DEPRESSIONS AND FLOOR DRAIN LOCATIONS.



PARTIAL FIRST FLOOR PLAN (2)
Scale: 1/8" = 1'-0"



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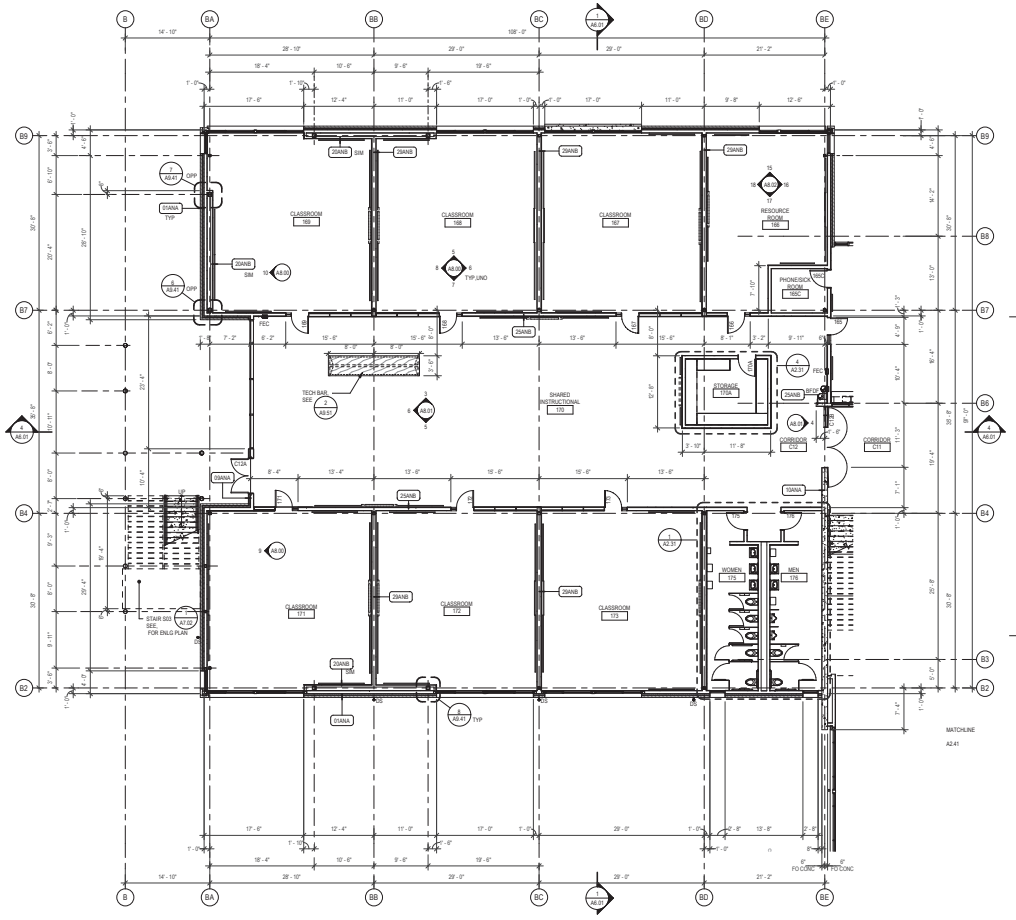
PARTIAL FIRST FLOOR PLAN

KEY PLAN



PARTIAL FIRST FLOOR PLAN
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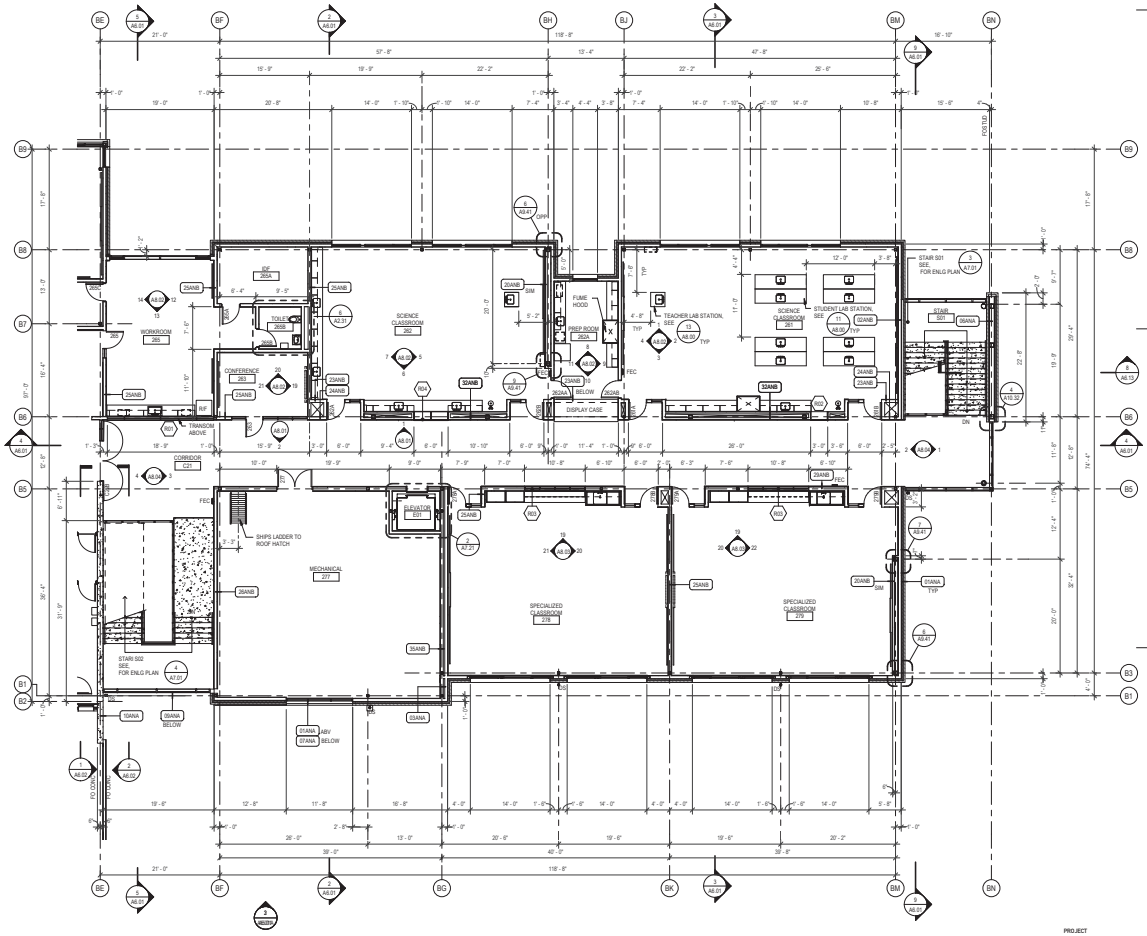

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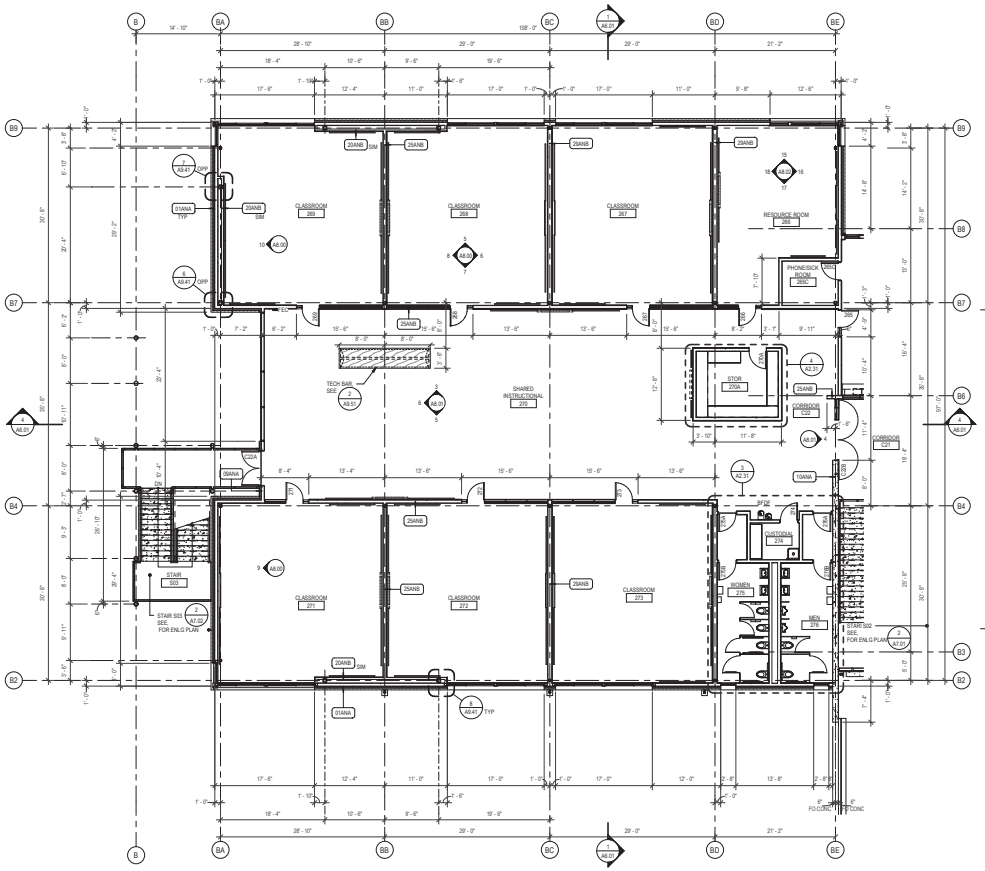

PARTIAL SECOND FLOOR PLAN

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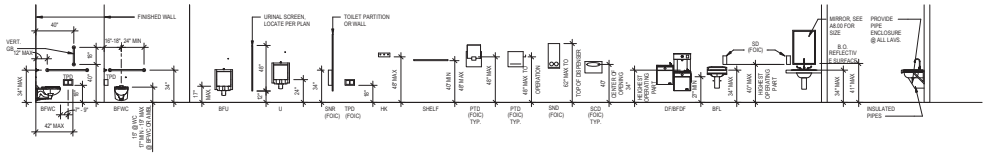
ACCESSORY KEY

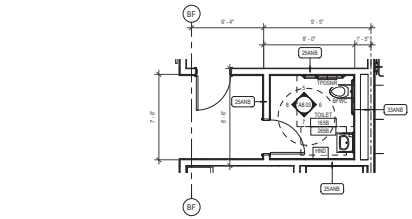
AMBL	AMBULATORY WATER CLOSET	HK	HOOK STRIP	SNR	SANITARY NAPKIN RECEPTACLE
BFWC	BARRIER FREE WATER CLOSET	HND	HAND DRYER	TPD	TOILET PAPER DISPENSER
BFDF	BARRIER FREE DRINKING FOUNTAIN	LAV	LAVATORY	TR	TRASH RECEPTACLE
BFL	BARRIER FREE LAVATORY	MR	MIRROR	U	URINAL
BFSH	BARRIER FREE SHOWER	MRSH	MIRROR W/ STAINLESS STEEL SHELF	WC	WATER CLOSET
BFU	BARRIER FREE URINAL	MPR	MOP RACK	WF	WASH FOUNTAIN
CH	COAT HOOK	MBH	MOP/BROOM HOLDER		
CT	CHANGING TABLE	PTD	PAPER TOWEL DISPENSER		
DF	DRINKING FOUNTAIN	PTR	PAPER TOWEL RECEPTACLE		
FD	FLOOR DRAIN	SCD	SEAT COVER DISPENSER		
GB	GRAB BAR	SD	SOAP DISPENSER		



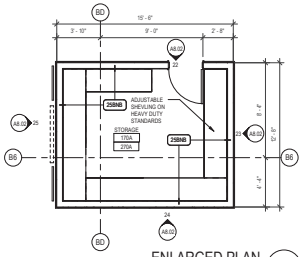
TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS 5
Scale: 1/4" = 1'-0"

SHEET NOTES

1. SEE 5/A2.31 FOR TYP ACCESSORY MOUNTING HEIGHTS.
2. SEE 2/A2.31 FOR TYP WATER CLOSET PLANS.
3. SEE FINISH PLANS FOR WALL TILE COLORS.
4. CONTRACTOR SHALL PROVIDE SOLID TREATED WOOD BLOCKING BEHIND ALL WALL MOUNTED ACCESSORIES.
5. NOT ALL ACCESSORIES MAY BE USED.
6. SEE PLANS FOR PLUMBING FIXTURES AND FLOOR DRAINS.
7. SEE INTERIOR ELEVATIONS FOR FINISHES AND MATERIALS
8. SEE 3/A8.01 FOR TYP FLOOR DRAIN DETAIL
9. PROVIDE WALL ACCESS PANEL AT ALL PLUMBING WALLS.
10. DIMENSIONS FROM FINISH FACE UNO OR SHOWN



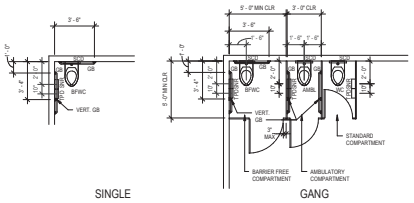
PROJECT NORTH
ENLARGED PLAN 6
Scale: 1/4" = 1'-0"



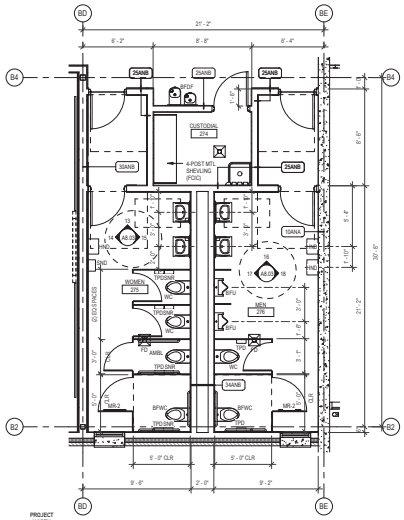
PROJECT NORTH
ENLARGED PLAN 4
Scale: 1/4" = 1'-0"

NOTES:

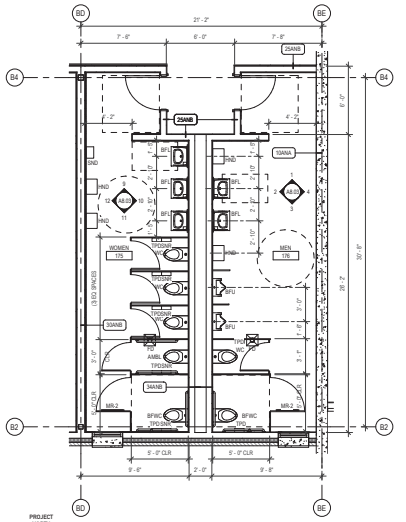
1. SNR ONLY AT WOMEN'S AND UNISEX RESTROOMS
2. SEE ENLARGED FLOOR PLANS FOR ALL PARTITION DIMENSIONS



TYPICAL WATER CLOSET PLAN 2
Scale: 1/4" = 1'-0"



PROJECT NORTH
ENLARGED PLAN 3
Scale: 1/4" = 1'-0"



PROJECT NORTH
ENLARGED PLAN 1
Scale: 1/4" = 1'-0"

ORIGINAL SHEET IS 30" x 42"
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mcg.ABC

architect_
MCDRANAHAN ARCHITECTS

civil engineer_
JACOBSON CONSULTING ENGINEERS

landscape architect_
WEISMAN DESIGN GROUP

structural engineer_
PCS STRUCTURAL SOLUTIONS

mechanical engineer_
BCE ENGINEERS

electrical engineer_
HARDIS ENGINEERS

7924 REGISTERED ARCHITECT
MATTHEW C. LANE
STATE OF WASHINGTON

project_
LAKE WASHINGTON HIGH SCHOOL ADDITION

client_
LAKE WASHINGTON SCHOOL DISTRICT No. 414

location_
KIRKLAND, WA

Project No. 1810.000

ENLARGED FLOOR PLANS

issued_

SCHEMATIC DESIGN	30 JULY 18
DESIGN DEVELOPMENT	02 NOV 18
PERMIT SET	01 MAR 19

revision_

drawn_
SL

checked_
ML

sheet_
A2.31

ATTACHMENT 2
ZON18-00783

mcg+ARC

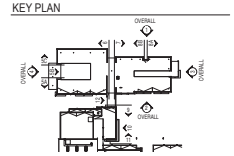
FINISH LEGEND:

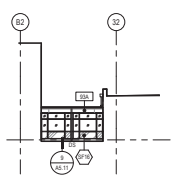
- 90A UNO — BRICK VENEER
- 90B — BRICK VENEER
- 92A — INSUL METAL PANEL
- 93A — COMPOSITE METAL PANEL
- 93B — COMPOSITE METAL PANEL
- GLAZING - CLEAR
- GLAZING - TRANSLUCENT

GENERAL NOTES:

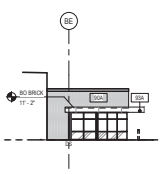
1. SEE SHEET A9.00 FOR FINISH AND COLOR DESIGNATIONS.
2. SEE A10 SERIES FOR STOREFRONT, CURTAINWALL AND LOUVER TYPES.

KEY PLAN

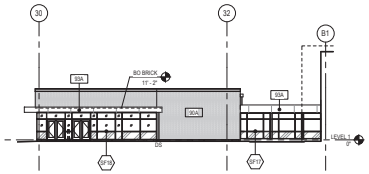




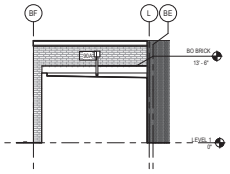
WEST ELEVATION 12
Scale: 1/16" = 1'-0"



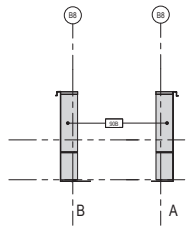
SOUTH ELEVATION 11
Scale: 1/16" = 1'-0"



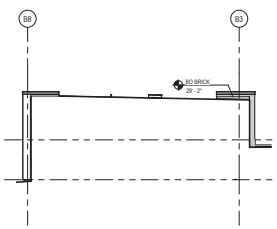
EAST ELEVATION 10
Scale: 1/16" = 1'-0"



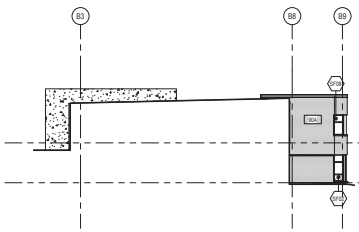
PARTIAL ELEVATION 9
Scale: 1/8" = 1'-0"



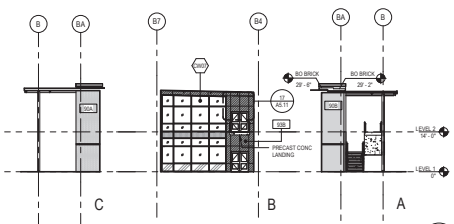
PARTIAL ELEVATION 8
Scale: 1/16" = 1'-0"



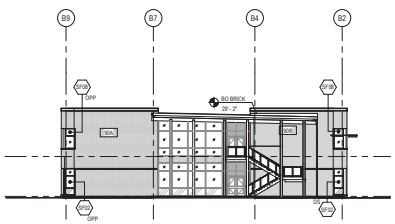
PARTIAL ELEVATION 7
Scale: 1/16" = 1'-0"



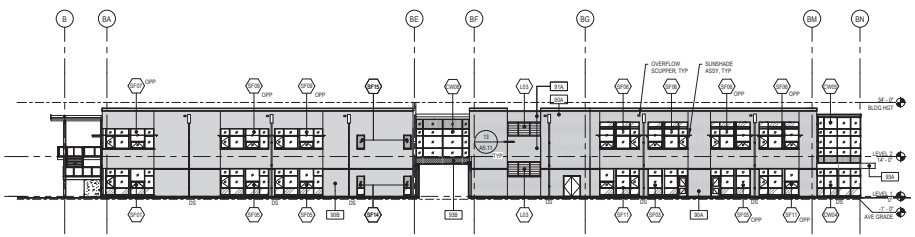
PARTIAL ELEVATION 6
Scale: 1/16" = 1'-0"



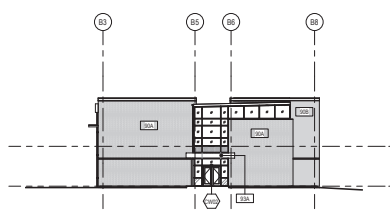
PARTIAL ELEVATION 5
Scale: 1/16" = 1'-0"



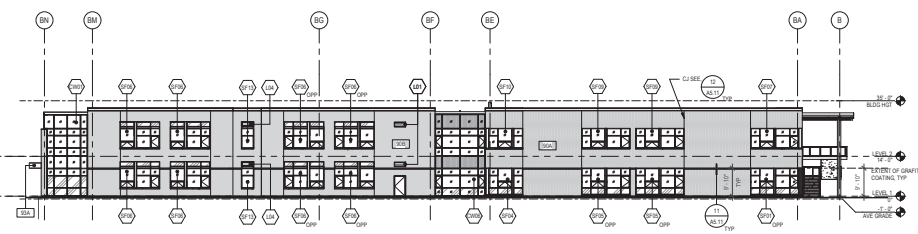
OVERALL WEST ELEVATION 4
Scale: 1/16" = 1'-0"



OVERALL SOUTH ELEVATION 2
Scale: 1/16" = 1'-0"



OVERALL EAST ELEVATION 3
Scale: 1/16" = 1'-0"



OVERALL NORTH ELEVATION 1
Scale: 1/16" = 1'-0"

architect_
MCGRANAHAN ARCHITECTS

civil engineer_
JACOBSON CONSULTING ENGINEERS

landscape architect_
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location_
KIRKLAND, WA

Project No. 1810.000

EXTERIOR ELEVATIONS

issued_

SCHEMATIC DESIGN	30 JULY 18
DESIGN DEVELOPMENT	02 NOV 18
PERMIT SET	01 MAR 19

revision_

drawn_
RCS

checked_
ML

sheet_
A5.01

ORIGINAL SHEET IS 30" x 42"

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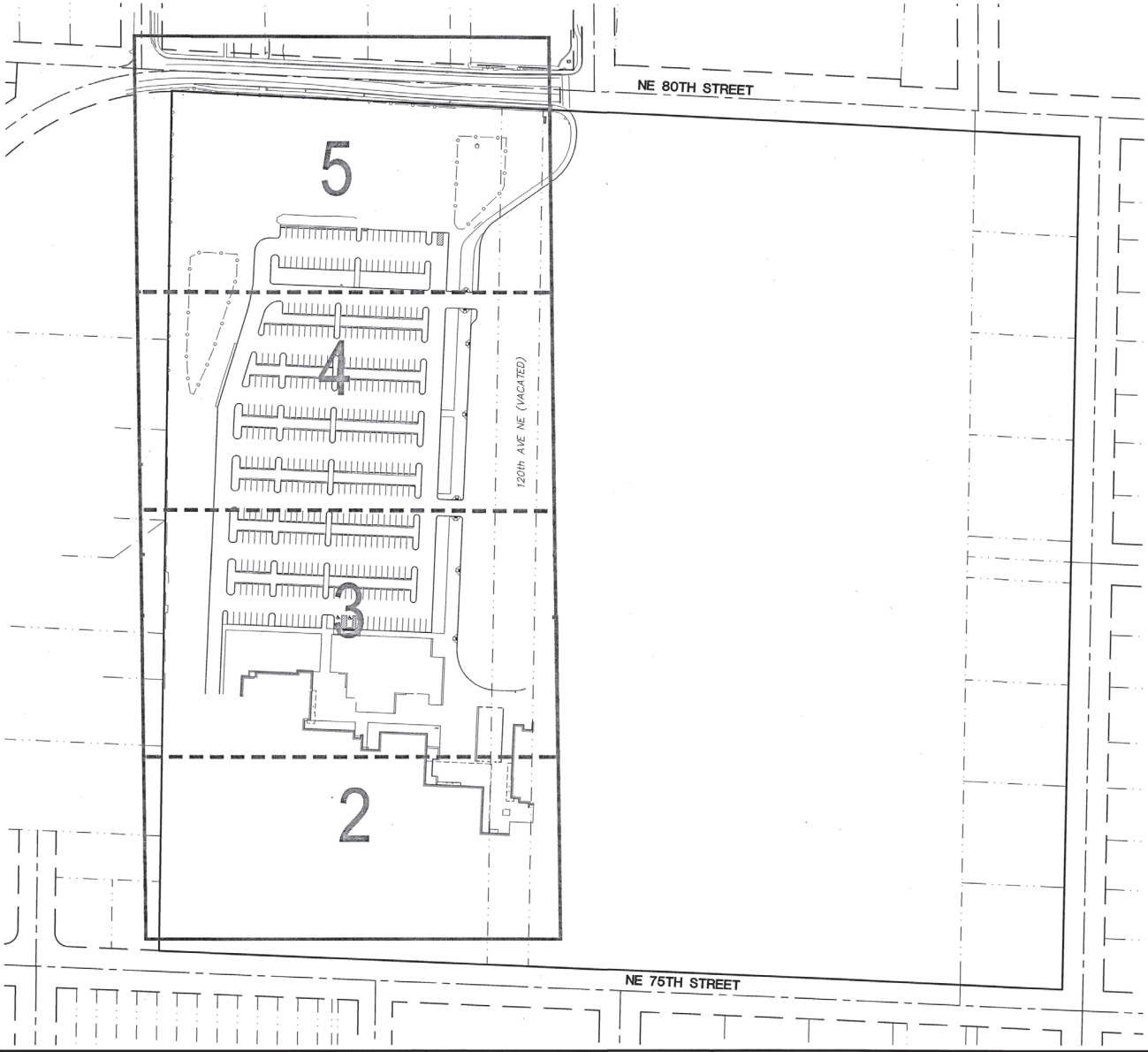

RECORD LEGAL DESCRIPTION:

THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND A PORTION OF NORTHEAST QUARTER OF NORTHWEST QUARTER LYING WEST OF ANDREEN ACRE TRACTS ADDITION LESS COUNTY ROADS; TOGETHER WITH VACATED STREET

LESS THAT PORTION FOR ROAD PURPOSES PER DEED RECORDED UNDER RECORDING NUMBER 20121001001213 RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

LEGEND

- WATER VALVE
- HYDRANT
- WATER METER
- IRRIGATION CONTROL BOX
- MANHOLES (SS/SD)
- CB
- POWER/UTILITY POLE
- GUY ANCHOR
- POWER TRANSFORMER
- POWER/TELEPHONE VAULT
- POWER METER
- TELEPHONE/TV RISER
- GAS VALVE
- JUNCTION BOX
- GAS METER
- STREET LIGHT
- LUMINAIRE
- SPOT ELEVATION
- SIGN
- MAILBOX
- ROCKERY
- CONIFEROUS TREE
- DECIDUOUS TREE
- CASED MONUMENT
- MAGNETIC NAIL W/ WASHER
- REBAR AND CAP
- IRRIGATION CONTROL
- BOULDER
- RD ROOF DRAIN
- C.O. CLEAN OUT

GRAPHIC SCALE
80 0 80 160
(IN FEET)
1 inch = 80 ft.

- CENTER LINES
- PROPERTY LINES
- RIGHT-OF-WAY LINES
- LOT LINES
- DITCH LINE
- FLOW LINE
- W WATER LINE
- SS SANITARY SEWER LINE
- SD STORM DRAIN LINE
- G GAS LINE
- UP UNDERGROUND POWER LINES
- UT UNDERGROUND TELEPHONE LINES
- UTV UNDERGROUND CABLE TV LINES
- UFO UNDERGROUND FIBER OPTIC LINES
- P OVERHEAD POWER LINES
- OHL OVERHEAD UTILITY LINES
- CHAIN LINK FENCE
- WIRE FENCE
- WOOD FENCE

NOTES:

HORIZONTAL DATUM: NAD 83/91 BASED ON FOUND MONUMENTS AT THE NORTH QUARTER CORNER OF SECTION 9, TOWNSHIP 25 NORTH, RANGE 5 EAST W.M. (CITY OF KIRKLAND CONTROL POINT #21) AND THE NORTHEAST CORNER OF SECTION 9, TOWNSHIP 25 NORTH, RANGE 5 EAST (WASHINGTON COUNCIL OF COUNTY SURVEYORS CONTROL POINT #20) BEING A BEARING OF N89°43'52"W.

VERTICAL DATUM: NAVD 88 BASED ON CITY OF KIRKLAND BENCHMARK #21, PUBLISHED ELEVATION=413.98'

SITE AREA: 1,654,053 SQ. FT. OR 37.972 ACRES

ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS OTHERWISE NOTED.

THE LOCATION AND DESCRIPTION OF ALL SURVEY MARKERS SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS TAKEN IN AUGUST, 2018 UNLESS OTHERWISE INDICATED.

WORK PERFORMED IN CONJUNCTION WITH THIS SURVEY UTILIZED THE FOLLOWING EQUIPMENT AND PROCEDURES: (A) 1" TRIMBLE 5& SERIES ELECTRONIC TOTAL STATION, MAINTAINED TO THE MANUFACTURER'S SPECIFICATIONS PER W.A.C. 332-130-100. (B) FIELD TRAVERSE, EXCEEDING REQUIREMENTS SET FORTH IN W.A.C. 332-130-090.

THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO SHOW ALL EASEMENTS.

THIS TOPOGRAPHIC SURVEY DRAWING ACCURATELY PRESENTS SURFACE FEATURES LOCATED DURING THE COURSE OF THIS SURVEY. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED SOLELY UPON INFORMATION PROVIDED BY OTHERS AND PACE ENGINEERS, INC. DOES NOT ACCEPT RESPONSIBILITY OR ASSUME LIABILITY FOR THEIR ACCURACY OR COMPLETENESS. CONTRACTOR/ENGINEERS SHALL VERIFY EXACT SIZE AND LOCATION PRIOR TO CONSTRUCTION.
CALL FOR LOCATE: UTILITY LOCATION SERVICE: 811

WILLIAM R. HAWKINS
STATE OF WASHINGTON
25130
REGISTERED
PROFESSIONAL LAND SURVEYOR
10/8/18

PORTION OF: NE & NW 1/4 of NW 1/4 SECTION 9, T. 25 N., R. 5 E., W.M.

CAD/CALC WRH	SYM	REVISION	DATE	BY	APP'D
DRAWN DMB					
PLAT CHK WRH					

PACE
An Engineering Services Company

11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014 | f. 425.827.5043
Civil | Structural | Planning | Survey
www. paceengrs.com

LAKE WASHINGTON HIGH SCHOOL
11833 NE 75th ST.
KIRKLAND, WA

DATE	10-8-2018
SCALE	1" = 80'
SURVEY TEAM	BL/NM/ES
FIELD BOOK	601G& ELEC.
DWG FILE	V18482-SRV.dwg

TOPOGRAPHIC SURVEY
FOR
LAKE WASHINGTON SCHOOL DISTRICT

PROJECT NO.
18482.10
SHEET 1 OF 5

FILE NAME: P:\PBV\18482 LK WA HS\CAD\SURVEY\CAD CSD 2018\REF\V18482-SRV.DWG
LAYOUT TAB: SHT 1
SAVE DATE: 10/8/2018 9:23:50 AM
PLOT TIME: 10/8/2018
PLOT BY: DAVID BUSBY
XREF FILES: SURVEY_PACE_36X24.DWG