

INTERNATIONAL BUILDING CODE NOTES

PROJECT DESCRIPTION:
A NEW 1-STORY PRIVATE SCHOOL WITH SECOND STORY MECHANICAL & SUPPORT. SITE IMPROVEMENTS INCLUDING PARKING, LANDSCAPE AND STORM WATER MANAGEMENT SYSTEM.

BUILDING CODE PARAMETERS:
INTERNATIONAL BUILDING CODE, VERSION: 2006

OCCUPANCY GROUPS PER 302.1:
E-EDUCATION, A-ASSEMBLY, B-BUSINESS, S-STORAGE
NO RATED CONSTRUCTION REQUIRED IF PRESCRIBED FIRE SEPARATION DISTANCES ARE MAINTAINED. (20' MIN. ACCESSIBLE OPEN SPACE)

CONSTRUCTION:
TYPE V-B
FULLY SPRINKLED WITH QUICK RESPONSE HEADS THROUGHOUT
FIRE ALARM MONITORED

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION
SECTION 302.1 OCCUPANCY CLASSIFICATIONS
B-BUSINESS
A-2 ASSEMBLY
A-3 ASSEMBLY
E- EDUCATION
S-2 STORAGE

CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREA
SECTION 501.2 PREMISES IDENTIFICATION
APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED FOR NEW BUILDINGS IN SUCH A POSITION AS TO BE CLEARLY VISIBLE AND LEGIBLE FROM A STREET OR ROAD FRONTING THE PROPERTY. LETTERS OR NUMBERS SHALL BE A MINIMUM OF 4 INCHES IN HEIGHT AND STROKE WIDTH MINIMUM OF 1/8 INCH AND OF CONTRASTING COLOR TO THE BACKGROUND ITSELF.

SECTION 503:
TYPE V-B (SPRINKLER) B, A-2, A-3, E, S-1 OCCUPANCIES
TABULAR AREA + 9,500 SF/FLR PER TABLE 503 (E OCC. - WORST CASE)
SECTION 504.2: HEIGHT MODIFICATION - 2-STORY BASIC (2-STORY W/ AUTOMATIC SPRINKLER SYSTEM INCREASE)
SPRINKLER SYSTEM PROVIDED. (NFPA 13)

SECTION 506 - AREA MODIFICATIONS:
E-EDUCATION
ACCESSIBLE PERIMETER RATIO: 770 / 856 = .90
SPRINKLER INCREASE:
TOTAL FIRST FLOOR ALLOWABLE AREA:
9,500 + (9,500 X 11 / 100) + 9,500 X 200 / 100) =
ACTUAL FIRST FLOOR AREA: 23,630 SF
TOTAL BUILDING ALLOWABLE AREA:
allowable area X 2 (MULTI STORY INCREASE) =
ACTUAL TOTAL BUILDING AREA: 26,855 SF

CHAPTER 6 - TYPE OF CONSTRUCTION:
TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
TYPE V-B - 0 HR. RATING REQUIREMENT PER TABLE 601.
BEARING WALLS - NON-RATED (INTERIOR AND EXTERIOR)
NON-BEARING WALLS - NON-RATED
FLOOR/CEILING - NON-RATED
ROOF/CEILING - NON-RATED

CHAPTER 6 - FIRE RESISTANCE RATED CONSTRUCTION:
TABLE 602: FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED FIRE SEPARATION DISTANCES
704.5 - EXTERIOR WALLS PER TABLE 602
705 - FIREWALLS: NONE REQUIRED
706 - FIRE BARRIERS: NONE REQUIRED
707.4 - SHAFT ENCLOSURES: NONE REQUIRED
708.1 - FIRE PARTITIONS: NONE REQUIRED
711.3 - HORIZONTAL ASSEMBLIES: NONE REQUIRED
712.3 - PENETRATIONS: NONE REQUIRED
713.1 - JOINT SYSTEMS: NONE REQUIRED
714.2 - STRUCTURAL MEMBERS: NONE REQUIRED

CHAPTER 9 - FIRE PROTECTION SYSTEMS
NFPA 13 SPRINKLER SYSTEM PROVIDED
SECTION 903 - AUTOMATIC SPRINKLER SYSTEMS
SECTION 903.3.1.1 - NFPA 13 SPRINKLER SYSTEMS
SECTION 903.3.4 - SPRINKLER SYSTEMS ACTUATION:
REQUIRED TO BE MONITORED
SECTION 903.4.2 - SPRINKLER SYSTEMS TO BE ALARMED
SECTION 905 - STANDPIPE SYSTEMS
SECTION 905.3.1 - PER EXCEPTION #1, CLASS I STANDPIPE ALLOWED
WHEN NFPA 13 SYSTEM PROVIDED
SECTION 905.4.1 - PROTECTION
NOT REQUIRED TO BE PROTECTED PER EXCEPTION
SECTION 907 - FIRE ALARM & DETECTION SYSTEMS
SECTION 907.2.3 - MANUAL FIRE ALARM SYSTEM REQUIRED
UNLESS CONDITIONS MET
SECTION 907.1.1 - SHOP DRAWINGS OF SYSTEMS REQUIRED
PRIOR TO INSTALLATION
SECTION 907.9 - VISIBLE AND AUDIBLE ALARMS PROVIDED
PER 907.9.1 & 907.9.2

CHAPTER 10 - MEANS OF EGRESS
SECTION 1004 - OCCUPANT LOAD
TABLE 1004.1.2
FIRST FLOOR (GROUND LEVEL)
23,630 SF TOTAL
B-BUSINESS SF = OCCUPANTS @ 1/100
A-2 ASSEMBLY SF = OCCUPANTS @ 1/77
A-3 ASSEMBLY SF = OCCUPANTS @ 1/115
E- EDUCATION SF = OCCUPANTS @ 1/20
TOTAL OCCUPANT LOAD =
2 EXISTS REQUIRED PER TABLE 1014.1, 17 EXISTS PROVIDED DIRECTLY
TO GRADE EXIT WIDTH REQUIRED PER TABLE 1005.1 =
SECOND FLOOR (ABOVE GROUND LEVEL)
3,187 SF TOTAL (STORAGE & MECHANICAL)
TOTAL OCCUPANT LOAD = 0
1 EXISTS REQUIRED PER TABLE 1014.1, 1 EXISTS PROVIDED
EXIT WIDTH REQUIRED PER TABLE 1005.1 =

SECTION 1006 - EGRESS ILLUMINATION
1006.2 - PROVIDE ONE (1) FC AT FLOOR LEVEL IN EXIT CORRIDORS
1006.3 - PREMISES SHALL PROVIDE EXIT ILLUMINATION POWER WITH BATTERY BACK-UP OF NOT LESS THAN 90 MIN. DURATION.
SECTION 1007 - ACCESSIBLE MEANS OF EGRESS
1007.1 - 2 ACCESSIBLE MEANS OF EGRESS ARE REQUIRED. 17 ARE PROVIDED FROM GRADE.
1007.2 - ACCESSIBLE ROUTES ARE PROVIDED FROM 2 ACCESSIBLE EXISTS AT THE GRADE PLANE LEVEL AND PROVIDE ACCESS TO THE PUBLIC RIGHT-OF-WAY.
SECTION 1011 - EXIST SIGNS
1011.1 - PROVIDE EXIST SIGNS AT ALL EXIST DISCHARGE DOORS AND DOORS TO THE EXIT ENCLOSURES.
1011.5.3 - EXIST SIGN ILLUMINATION. EXIST SIGNS SHALL BE ILLUMINATED AT ALL TIMES AND SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FC AND SHALL BE PROVIDED W/ BATTERY BACK-UP WITH DURATION OF NOT LESS THAN 90 MIN.

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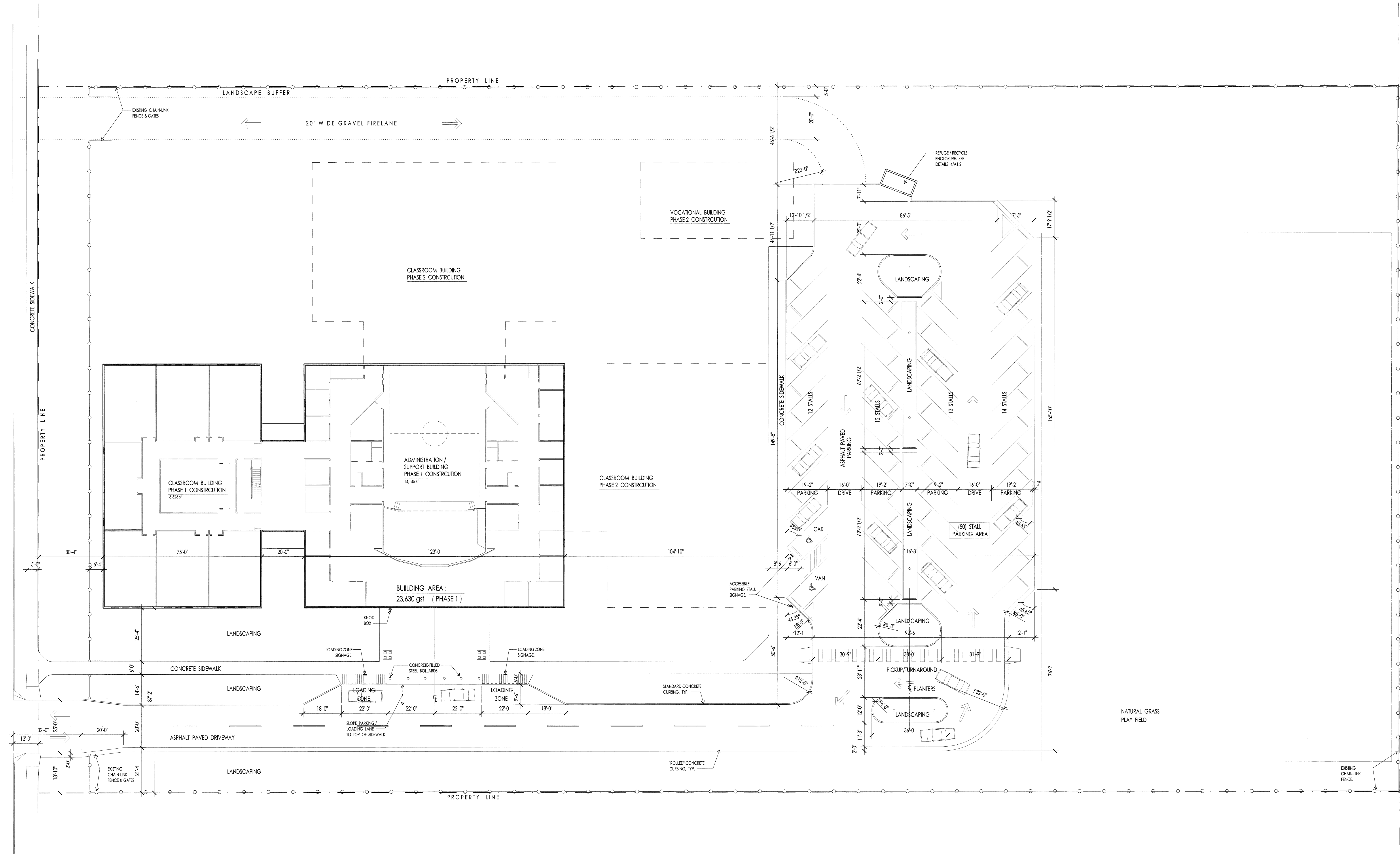
PROJECT & LOCATION
CEDAR RIVER ACADEMY
ENUMCLAW, WA ~ KING COUNTY

SHEET CONTENTS
SITE IMPROVEMENT PLAN

DATE & REVISIONS	CHECK SET	PERMIT SET	COMMENTS SET
02/27/08			
03/27/08			
07/12/08			

SHEET NUMBER

A1.1
COMMENTS
RESPONSE SET



1 SITE IMPROVEMENT PLAN
1" = 20' - 0"

