CD CHECKLIST FOR PROJECT MANUAL REVIEWS

DIVISION 01 - GENERAL REQUIREMENTS

Section 01 25 00 - Substitutions & Product Options

1. Check for any discrepancy between Division 01 (boilerplate) paragraph on Substitution Requests and the Technical Specifications Sections that list products.
2. Ensure "Substitution Request Form-RAMS" has been included in the project manual. Verify "process" for approval of substitutions. The Parks Engineer shall “review” all submittals and the Consultant shall “approve" all submittals.

Section 01 57 13 Construction Stormwater Control

1. Ensure that all plans, details and specification sections of the Contract Documents complied with the most recent versions of the City of Seattle CSC codes, rules or directives.

DIVISION 03 - CONCRETE

Section 03 30 00 - Cast-in-Place Concrete

1. Fly ash contents (review strength vs. plasticity).
2. Ensure that the Contract Documents comply with requirements approved by DPD that spell out the content of (minimum and maximum) fly ash without jeopardizing strength, etc..
3. Concrete roof structure w/glass fiber reinforcement?
4. Review control joint expansion joint spacing.

DIVISION 04 - MASONRY

Section 04 22 00 - Concrete Unit Masonry

1. CMU Facing: Split-face is recommended.
2. Water/Damp-Proofing: Be sure it is included in this Section.
3. CMU: Ensure that the Technical Specifications call for reinforcement and grouting of cells.

DIVISION 05 - METALS

Section 05 52 00 - Metal Railings

1. Pipe rails (handrails)*)
   Pipe railing (guardrails)*) Exterior
   Ornamental Fencing*)
   *Needs to be hot-dipped galvanized w/paint optional.
2. Hardware - galvanized, stainless steel (non-rusting, vandal resistant).

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07 30 00 - Roofing

1. Ensure that the Contract Documents comply with current SPR Design Standards for roofing and re-roofing.

Section 07 10 00 - Dampproofing and Waterproofing

1. All masonry buildings require damp-proofing and/or sealer.

Section 07 21 00 - Thermal Insulation

1. Use of recycled-content material for both fiber and rigid insulation.
2. Cellulose insulation should be considered where possible.

Section 07 26 00 - Vapor Retarders

1. Vapor barriers (6 mil. poly) under wood floors in Gym and Multi-Purpose rooms.

Section 07 31 00 - Shingles and Roofing Tiles

1. No wood shingle or slate tile roofing.

Section 07 50 00 - Membrane Roofing

1. No built-up roofing accepted.
2. Traffic pads for roof-mounted equipment maintenance.
3. SPR prefers a 15-year; non-prorated, labor and materials water-tight Warranty on the roofing system by the materials manufacturer.

Section 07 60 00 - Flashing and Sheet Metal

1. No top or exposed fasteners at coping caps.
2. Corner coping cap shall be one piece (welded?).

Section 07 70 0 - Roof and Wall Specialties and Accessories

1. Fall restraint plan and anchors per WA State Dept. of Labor & Industries.
2. Zinc strip at three-tab roofing for moss control.

DIVISION 8 - OPENINGS

Section 08 10 00 & 08 20 00 - Metal Doors and Frames/Wood and Plastic Doors

1. Solid wood stave core doors are required.
2. All hollow metal door frames to be solid grouted (interior frames on a case by case basis).

Section 08 70 00 - Hardware

1. Make sure the documents comply with SPR Design Standards on "Hardware" and "Locks".
2. Provide "180 degree sweep" door closers.
3. SPR prefers removable mullion on double doors (we had problems with coordinators before).
4. Cylindrical locks are preferred (to mortise locks).
5. No overhead door stops. Use wall or floor stops.
6. Ensure solid blocking behind wall mounted door stops.
7. All cabinets shall be lockable - use “Best” locks.

DIVISION 09 - FINISHES

Section 09 29 00 - Gypsum Board

1. SPR recommends using recycled gypsum board (must be gyp. content).

Section 09 30 00 - Tiling

1. Ceramic tile - SPR recommends using recycled products.

Section 09 50 00 - Acoustical Treatment

1. Check for acoustical treatment in various rooms as required.

Section 09 64 00 - Wood Flooring

1. Wood sports floors must meet current SPR Design Standards for wood flooring (gym and multi-purpose room).
2. Ensure inclusion of steel or aluminum angle base, spaced to allow for air flow. Use threaded stainless steel or galvanized metal inserts for angle base, for ease of removal.

Section 09 68 00 - Carpeting

1. Carpet must meet SPR Design Standards.
2. Consider using recycled content in carpet.

Section 09 77 00 - Special Wall Surfaces

1. SPR recommends tile walls and floors - at least a tile wainscot in restrooms.

Section 09 90 00 - Painting

1. Ensure that the Contract Documents comply with current SPR Design Standards and be sure to hire paint inspection.
2. Recommend using recycled latex paint.
3. No flat paint on walls.
4. Use latex paint in restrooms.
5. Ensure that the Contractor is not asked to provide "extra stock" of paint for different colors. Have the Contractor provide paint manufacturer's name and paint color numbers for each room (refer to SPR Standard Specification for Painting) for exact language.

Section 09 97 00 - Special Coatings

1. Seal exposed concrete floors.
2. Apply water-based, breathable, vandal-resistant coating on exterior and in restrooms as needed

DIVISION 10 - SPECIALTIES

Section 10 21 13 - Toilet Compartments

1. Check for mounting of partitions. Must be floor mounted and top braced.
2. Ensure that there is no particle board or mild steel partitions specified.
3. Ensure that "Santana" solid plastic (recycled material) HD type partitions only are specified.
4. When feasible, SPR recommends use of masonry partitions in unsupervised facilities, such as comfort stations.

Section 10 22 26 - Operable Partitions

1. Only "Hufcor/Airwall" operable partitions with top and bottom mechanical seals are acceptable.
2. Omni-directional partitions are preferred.

Section 10800 - Toilet and Bath Accessories

1. Consider heavier gauge wall-mounted accessories.

Section 10 52 00 - Fire Protection Specialties

1. All fire extinguisher cabinets shall be lockable.

DIVISION 22 - PLUMBING

Section 22 40 00 - Plumbing

1. Make sure the documents comply with SPR Design Standards/Specifications for fixtures, etc.
2. On toilet fixtures, use only neoprene gaskets and steel nipples to connect toilet to sewer pipe (for "hot pots" only).

Section 22 11 00 – Facility Water Distribution

1. Do not use Class 125 valves, use only Class 150-300 psi valves.
2. Do not use butterfly valves on anything.
3. Ensure the Potable Water Distribution System and Irrigation System Main Supply Line is Type K Copper for 1/2" to 2" or Ductile Iron or HDPE (as approved) for 3" and above.
4. Ensure that the Irrigation System Main Lines are Schedule 40 PVC or HDPE (as approved).
5. Ensure that the Irrigation System Lateral Lines are Schedule 40 PVC or HDPE (as approved).

DIVISION 23 - HEATING, VENTILATING & AIR-CONDITIONING

Section 23 00 00 - Heating, Ventilating, and Air Conditioning

1. Make sure the documents comply with SPR Design Standards for boilers and EMCS.
2. Ensure that equipment schedules are complete and accurate.
3. Check for isolation valves and pipe unions that aid in maintenance.

Section 23 08 00 - Commissioning of HVAC

1. Ensure that the proper commissioning of the HVAC systems are completed per SPR Standard Specification 23 08 00.

Section 23 85 00 - HVAC Air Distribution

1. Look for cross contamination problems.
2. Direct-drive room exhaust fans are preferred to belt-driven.
3. Ensure that there are volume control dampers.

DIVISION 25- INTEGRATED AUTOMATION

Section 25 50 00 - Building Automation Systems

1. Ensure that the Contract Documents comply with current SPR Design Standards

DIVISION 26 - ELECTRICAL

Section 26 05 00 - Basic Electrical Materials and Methods

1. Make sure the Contract Documents comply with current SPR Design Standards on for Electrical Work.

Section 26 50 00 - Lighting

1. Use energy efficient light fixtures.
2. SPR recommends LED and/or fluorescent lighting.
3. Use of indirect lighting shall be designed to complement a total interior architectural lighting system.

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section 32 80 00 - Irrigation Systems

1. Meet with Design & Technical Services Section Designers and SPR Plumbing Shop.
2. Verify acceptable products, including part numbers and manufacturers.

Section 32 93 00 - Landscape Planting:

1. Make sure the documents comply with SPR Design Standards).
2. Fertilizers (proportions))
3. Soils (mixture))
4. Recycled (composted) material) SPR Design & Technical
5. Drought-tolerant plants, water conservation) Services Section Designers
6. Seeding)
7. Planting)
8. Mulching & Staking)

DIVISION 33 – UTILITIES

Section 33 34 00 - Storm Sewer Utilities

1. Ensure that all storm drainage designs comply with the current version of the SPU Design Guidelines for Storm Drains.
2. Ensure that the Contract Documents comply with the City of Seattle Standard Specifications for Road, Bridge and Municipal Construction (most recent edition) and all current SPR Design Standards.
3. Ask SPR Construction Manager about any problems that have occurred lately or that happen regularly.

END OF SECTION