

SPECIFICATION - MATERIALS / PRODUCTS

CODES AND STANDARDS

ALL WORK IS TO BE COMPLETE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL BUILDING CODE OF CANADA AND ALL APPLICABLE SUPPLEMENTS AND LOCAL BYLAWS.

CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO INVESTIGATE ACTUAL SITE CONDITIONS AND TO ACCURATELY BID THE PROJECT. EXTRAS WILL NOT BE GRANTED DUE TO OMISSIONS RESULTING FROM A FAILURE TO EXAMINE THE EXISTING BUILDING.

EXAMINE WORK AND SURFACES PREPARED BY OTHERS. REPORT TO THE CONTRACTOR, IN WRITING, DEFECTS OF WORK PREPARED BY OTHER TRADES AND UNSATISFACTORY SITE CONDITIONS. START OF WORK SHALL IMPLY ACCEPTANCE OF SURFACES AND CONDITIONS, AND SHALL HAVE GROUND FOR LATER CLAIMS. ALL WORK IS TO BE CO-ORDINATED WITH OTHER TRADES.

ALL INTERIOR / EXTERIOR FINISHES DAMAGED BY THE INSTALLATION OF NEW CONSTRUCTION SHALL BE PATCHED, REPAIRED AND FINISHED TO MEET OR BETTER ORIGINAL CONDITIONS.

08.11.00 - METAL DOORS AND FRAMES

PART 1 GENERAL

- 1.1 REGULATORY REQUIREMENTS
 - 1. STEEL FIRE RATED DOORS AND FRAMES SHALL BE LABELED AND LISTED BY AN ORGANIZATION ACCREDITED BY STANDARDS COUNCIL OF CANADA IN CONFORMANCE WITH CAN4-S104 AND CAN4-S105 FOR RATINGS SPECIFIED OR INDICATED.
 - 2. THE MAXIMUM TEMPERATURE RISE OF STEEL FIRE RATED DOORS SHALL CONFORM TO THE NATIONAL BUILDING CODE OF CANADA, TABLE 3.1.8.15.
 - 3. INSTALL LABELED STEEL FIRE RATED DOORS AND FRAMES TO NFPA 80 EXCEPT WHERE SPECIFIED OTHERWISE.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS
 - 1. ACCEPTABLE MANUFACTURERS:
 - 1. BARON METAL INDUSTRIES INC.
 - 2. MACOTTA COMPANY OF CANADA LIMITED
 - 3. SHANAHAN'S MANUFACTURING LIMITED
 - 4. STELDOR LTD.
 - 5. S.W. FLEMING LIMITED
- 2.2 STEEL DOORS
 - 1. TYPES: STANDARD AND FIRE RATED, ULC LABELLED, WITH FLUSH FACES.
 - 2. MATERIAL: COMMERCIAL QUALITY COLD ROLLED SHEET STEEL (GALVANNEAL) WIPED ZINC COAT FINISH.
 - 3. FIRE RATED, ULC LABELLED DOORS: MINIMUM 1.2mm SURFACE SHEETS, CORE MATERIAL AND DOOR CONSTRUCTION IN ACCORDANCE WITH ULC LABEL REQUIREMENTS INDICATED ON DOOR SCHEDULE.

PART 3 EXECUTION

- 3.1 INSTALLATION
 - 1. INSTALL LABELED STEEL FIRE RATED DOORS AND FRAMES TO NFPA 80 EXCEPT WHERE SPECIFIED OTHERWISE.
 - 2. AFTER INSTALLATION, TOUCH-UP ALL SCRATCHED OR DAMAGED SURFACES. USE A TYPE OF PRIMER IDENTICAL TO THAT USED FOR SHOP COAT.

09.91.00 - PAINTING

PART 1 GENERAL

CONFORM TO THE STANDARDS CONTAINED IN THE MASTER PAINTERS INSTITUTE ARCHITECTURAL PAINTING SPECIFICATION MANUAL, LATEST EDITION, FOR ALL PAINTING MATERIALS INCLUDING PREPARATION AND APPLICATION OF MATERIALS. PAINT MATERIALS LISTED IN THE MPI APPROVED PRODUCTS LIST (APL) ARE ACCEPTABLE FOR USE. PROVIDE ALL PAINT AND COATING PRODUCTS USED IN ANY INDIVIDUAL SYSTEM FROM THE SAME MANUFACTURER; NO EXCEPTIONS.

PART 3 EXECUTION

- 3.1 PREPARATION
 - 1. CLEAN ALL SURFACES. PREPARE SURFACES FOR PAINTING.
 - 2. METAL: CLEAN EXISTING METAL SURFACES TO BE REPAINTED BY REMOVING LOOSE, CRACKED, BRITTLE OR NON-ADHERENT PAINT, RUST, LOOSE MILL SCALE, WELDING SLAG, DIRT, OIL, GREASE AND OTHER FOREIGN SUBSTANCES IN ACCORDANCE WITH THE FOLLOWING:
 - 1. SCRAPE EDGES OF OLD PAINT BACK TO SOUND MATERIAL WHERE REMAINING PAINT IS THICK AND SOUND, FEATHER EXPOSED EDGES.
 - 2. COMMERCIAL BLAST CLEAN RUSTED AND BARE METAL SURFACES WHERE EXISTING PAINT SYSTEM HAS FAILED.
 - 3. SOLVENT CLEANING: SSPC-SP-1.
 - 4. HAND TOOL CLEANING: SSPC-SP-2.
 - 5. POWER TOOL CLEANING: SSPC-SP-3.
 - 6. COMMERCIAL BLAST CLEANING: SSPC-SP-6.
 - 7. BRUSH-OFF BLAST CLEANING: SSPC-SP-7.
 - 3. CONCRETE MASONRY: WASH WITH SOLUTION OF TRISODIUM PHOSPHATE AND RINSE THOROUGHLY. SAND LIGHTLY. APPLY ONE BONDING COAT.

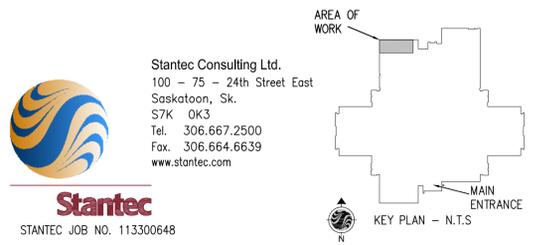
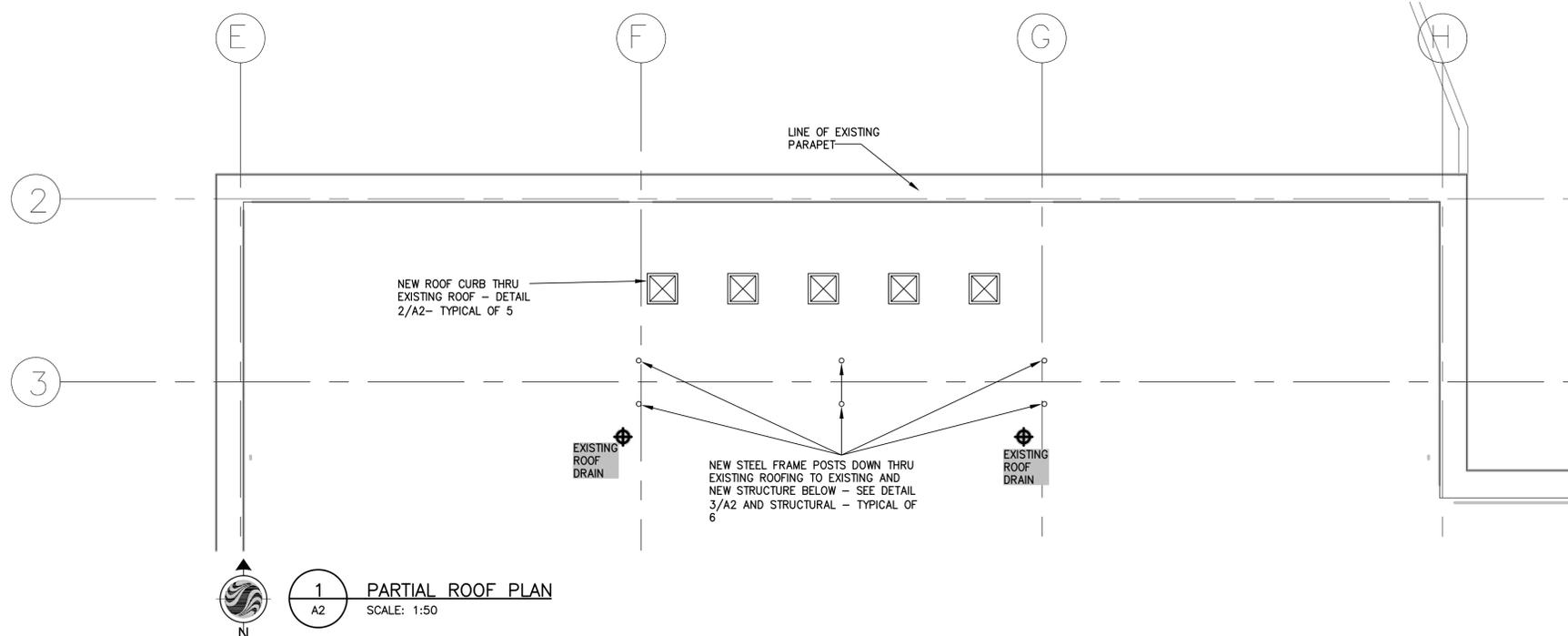
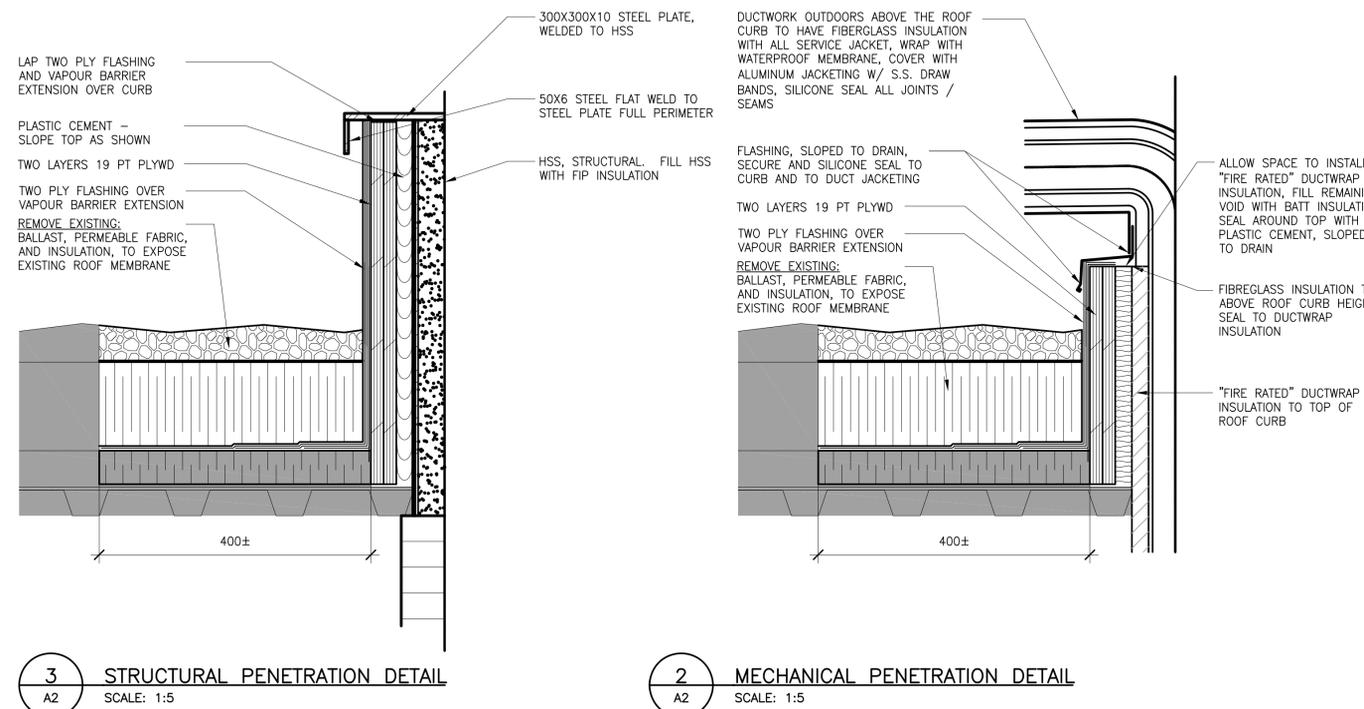
3.2 SCHEDULE OF PAINTING

- 1. EXISTING INTERIOR CONCRETE AND MASONRY SURFACES
 - SYSTEM: MPI RIN 4.2H:
 - APPLY WITH ROLLER.
 - TWO COATS WATER BASE, LIGHT INDUSTRIAL COATING:
 - PRODUCT: MPI 153 (GLOSS LEVEL G5)
- 2. EXISTING INTERIOR METAL (STEEL AND IRON)
 - SYSTEM: MPI RIN 5.1J:
 - TWO COATS, TWO COMPONENT EPOXY COATING (INTERIOR):
 - PRODUCT: MPI 115.
- 3. EXTERIOR METAL (STEEL AND IRON)
 - SYSTEM: MPI EXT 5.1D
 - ONE COAT ALKYD METAL PRIMER (WHERE NOT SPECIFIED SHOP PRIMED) - PRODUCT: MPI 79
 - TWO COATS EXTERIOR ALKYD SEMI-GLOSS - PRODUCT: MPI 94

10.80.00 - CONSTRUCTION SPECIALTIES

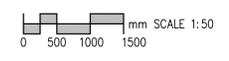
PART 2 PRODUCTS

- 2.1 STORAGE ROOM SHELVING
 - 1. METROMAX i SHELVING AS SUPPLIED BY SHANAHAN'S OR APPROVED EQUIVALENT.
 - 1. FOUR (4) SHELVES PER UNIT. SIX (6) UNITS TOTAL.
 - 2. HEAVY DUTY SOLID SHELF WITH DROP MAT FOR SPILL CONTAINMENT
 - 3. SHELVES 610mm (24") X 1220mm (48")
 - 4. POLYMER POSTS, 1890mm (74") TALL



Stantec Consulting Ltd.
 100 - 75 - 24th Street East
 Saskatoon, Sk.
 S7K 0K3
 Tel. 306.667.2500
 Fax. 306.664.6639
 www.stantec.com

STANTEC JOB NO. 113300648



DATE	REVISION	Drawn/Dessine	Date/Date	Scale/Echelle	DWG. Title/Titre Dessin
10_06_2013	TENDER	JJH	2013.06.01	1:50 UNO	PARTIAL PLANS
24_05_2013	100%_REVIEW				
10_05_2013	50%_REVIEW				

CHEMICAL ROOM ACID STORAGE RETROFIT

Environment Canada / Environnement Canada
 Property Management / Gestion de l'immobilier
 District 2 / District 2

NATIONAL HYDROLOGY RESEARCH CENTRE
 #11 INNOVATION BLVD
 SASKATOON, SK, S7N 3H5

DWG # / DESSIN #
A2