REFERENCE BEAVERTON SCHOOL DISTRICT (BSD) TECHNICAL STANDARDS FOR FURTHER SPECIFICATIONS (ARCH/MEP) PROVIDED AT HTTPS://WWW.BEAVERTON.KI 2.OR.US/DEPARTMENTS/FACILITIES-DEVELOPMENT/TECHNICAL-

STANDARDS. FULLY INCORPORATED. IN CASE OF DISCREPANCIES, CONTRACTOR TO NOTIFY A/E FOR

DIVISION I GENERAL REQUIREMENTS

I.I GENERAL CONDITIONS

A. ALL WORK UNDER THIS CONTRACT TO BE IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AIA DOCUMENT A201, 2007 EDITION OR OTHER APPROVED FORMAT. B. WHERE ANY ARTICLE, PARAGRAPH, SUBPARAGRAPH OR CLAUSE OF THE GENERAL CONDITIONS IS MODIFIED OR DELETED BY THESE SUPPLEMENTS, THE UNALTERED PROVISIONS OF THAT ARTICLE, PARAGRAPH, SUBPARAGRAPH OR CLAUSE SHALL REMAIN IN EFFECT.

I.2 INTERPRETATION

A. VIEWED OR APPROVED BY ARCHITECT/ENGINEER SHALL MEAN WRITTEN REVIEW OR APPROVAL BY ARCHITECT/ENGINEER OR AN AUTHORIZED CONSULTANT.

B. REFERENCE IN THE SPECIFICATIONS TO A SINGLE ITEM OR PIECE OF EQUIPMENT SHALL APPLY TO AS MANY SUCH ITEMS AS ARE INDICATED ON DRAWINGS OR REQUIRED TO COMPLETE THE PROJECT. C. INDICATING AN ITEM OR METHOD ON THE DRAWINGS REQUIRES THE CONTRACTOR TO FURNISH, FABRICATE AND INSTALL THE ITEM, UNLESS INDICATED OTHERWISE.

A. UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS, THE OWNER SHALL PAY FOR PLAN CHECK FEES AND BUILDING PERMIT FEES, INCLUDING SEWER, GAS AND WATER CONNECTION FEES, AS WELL AS OTHER ASSESSMENTS OR FEES ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL PAY FOR ALL OTHER PERMITS, FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK, INCLUDING PLUMBING, MECHANICAL AND ELECTRICAL PERMIT FEES.

I.5 SUBMITTALS

A. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA, UNLESS SUBMITTAL BASED UPON ARCHITECT'S DIGITAL DATA DRAWING FILES IS OTHERWISE

B. SAMPLES: SUBMIT SAMPLES FOR REVIEW OF KIND, COLOR, PATTERN, AND TEXTURE FOR A CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED.

C. PRODUCT DATA: COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT..

I.7 EXECUTION REQUIREMENTS

A. CUTTING AND PATCHING: COMPLY WITH REQUIREMENTS FOR AND LIMITATIONS ON CUTTING AND PATCHING OF CONSTRUCTION ELEMENTS.

I. STRUCTURAL ELEMENTS: WHEN CUTTING AND PATCHING STRUCTURAL ELEMENTS, NOTIFY ARCHITECT OF LOCATIONS AND DETAILS OF CUTTING AND AWAIT DIRECTIONS FROM THE ARCHITECT BEFORE PROCEEDING. SHORE, BRACE, AND SUPPORT STRUCTURAL ELEMENT DURING CUTTING AND PATCHING. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY OR INCREASE DEFLECTION

2. OPERATIONAL ELEMENTS: DO NOT CUT AND PATCH OPERATING ELEMENTS AND RELATED COMPONENTS IN A MANNER THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.

3. OTHER CONSTRUCTION ELEMENTS: DO NOT CUT AND PATCH OTHER CONSTRUCTION ELEMENTS OR COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.

4. VISUAL ELEMENTS: DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING AND PATCHING. DO NOT CUT AND PATCH EXPOSED CONSTRUCTION IN A MANNER THAT WOULD, IN ARCHITECT'S OPINION, REDUCE THE BUILDING'S AESTHETIC QUALITIES. REMOVE AND REPLACE CONSTRUCTION THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.

B. EXISTING CONDITIONS: THE EXISTENCE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AND CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED. BEFORE BEGINNING SITEWORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, MECHANICAL AND ELECTRICAL SYSTEMS, AND OTHER CONSTRUCTION AFFECTING THE WORK.

C. BEFORE CONSTRUCTION, VERIFY THE LOCATION AND INVERT ELEVATION AT POINTS OF CONNECTION OF SANITARY SEWER, STORM SEWER, AND WATER-SERVICE PIPING; UNDERGROUND ELECTRICAL SERVICES, AND

D. SITE IMPROVEMENTS: LOCATE AND LAY OUT SITE IMPROVEMENTS, INCLUDING PAVEMENTS, GRADING, FILL AND TOPSOIL PLACEMENT, UTILITY SLOPES, AND RIM AND INVERT ELEVATIONS.

E. BUILDING LINES AND LEVELS: LOCATE AND LAY OUT CONTROL LINES AND LEVELS FOR STRUCTURES, BUILDING FOUNDATIONS, COLUMN GRIDS, AND FLOOR LEVELS, INCLUDING THOSE REOUIRED FOR MECHANICAL AND ELECTRICAL WORK. TRANSFER SURVEY MARKINGS AND ELEVATIONS FOR USE WITH CONTROL LINES AND LEVELS, LEVEL FOUNDATIONS AND PIERS FROM TWO OR MORE LOCATIONS.

F. TEMPORARY SUPPORT: PROVIDE TEMPORARY SUPPORT OF WORK TO BE CUT.

G. PROTECTION: PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROIECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.

H. ADJACENT OCCUPIED AREAS: AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING AREAS.

I. EXISTING UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS: WHERE EXISTING SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BYPASS SUCH SERVICES/SYSTEMS BEFORE CUTTING TO MINIMIZE INTERRUPTION TO OCCUPIED AREAS.

J. CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER; COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.

K. PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS PRACTICABLE, PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS, WHERE APPLICABLE.

... CLEANING: CLEAN PROJECT SITE AND WORK AREAS DAILY, INCLUDING COMMON AREAS. ENFORCE REQUIREMENTS STRICTLY. DISPOSE OF MATERIALS LAWFULLY.

M. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS THAT ENSURE INSTALLED WORK IS WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

DIVISION 2 EXISTING CONDITIONS

2.1 SELECTIVE DEMOLITION A. GENERAL: DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:

I. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN.

2. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING FINISHED SURFACES.

3. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS, AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.

4. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. B. REUSE OF BUILDING ELEMENTS: PROJECT HAS BEEN DESIGNED TO RESULT IN END-OF-PROJECT RATES FOR REUSE OF BUILDING ELEMENTS AS FOLLOWS. DO NOT DEMOLISH BUILDING ELEMENTS BEYOND WHAT IS

INDICATED ON DRAWINGS WITHOUT ARCHITECT'S APPROVAL. C. REMOVED AND SALVAGED ITEMS: CLEAN SALVAGED ITEMS: PACK OR CRATE ITEMS AFTER CLEANING. IDENTIFY CONTENTS OF CONTAINERS. STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWNER.

PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE. D. REMOVED AND REINSTALLED ITEMS: CLEAN AND REPAIR ITEMS TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED REUSE. PAINT EQUIPMENT TO MATCH NEW EQUIPMENT.

I. PACK OR CRATE ITEMS AFTER CLEANING AND REPAIRING. IDENTIFY CONTENTS OF CONTAINERS.

2. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.

3. REINSTALL ITEMS IN LOCATIONS INDICATED. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.

E. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE.

DIVISION 9 FINISHES

9.2 GYPSUM WALLBOARD

A. GENERAL: COMPLYING WITH ASTM C 36/C 36M OR ASTM C 1396/C 1396M, AS APPLICABLE TO TYPE OF GYPSUM BOARD INDICATED AND WHICHEVER IS MORE STRINGENT.

B. REGULAR TYPE: THICKNESS: 5/8 INCH (15.9 MM). LONG EDGES: TAPERED.

C. TYPE X: THICKNESS: 5/8 INCH (15.9 MM). LONG EDGES: TAPERED. D. INTERIOR TRIM: ASTM C 1047.

E. JOINT TREATMENT: COMPLY WITH ASTM C 475/C 475M.

F. |OINT TAPE:

I. INTERIOR GYPSUM WALLBOARD: PAPER. L. STEEL DRILL SCREWS: ASTM C 1002, UNLESS OTHERWISE INDICATED.

M. APPLYING AND FINISHING PANELS, GENERAL:

I. COMPLY WITH ASTM C 840.

S. CONTROL JOINTS: INSTALL CONTROL JOINTS AT LOCATIONS INDICATED ON DRAWINGS. T. GYPSUM BOARD FINISH LEVELS: FINISH PANELS TO LEVELS INDICATED BELOW:

I. LEVEL 4: FIVE COATS DRYWALL MUD FINISH- CORRIDORS, GYMNASIUMS, LOCKER ROOMS, CAFETERIA, OFFICES, HIGH TRAFFIC/PUBLIC AREAS; EXCEEDS SURFACE LEVEL #4.

9.4 PAINTING

A. MATERIAL COMPATIBILITY:

I. PROVIDE MATERIALS FOR USE WITHIN EACH PAINT SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.

2. FOR EACH COAT IN A PAINT SYSTEM, PROVIDE PRODUCTS RECOMMENDED IN WRITING BY MANUFACTURERS OF TOPCOAT FOR USE IN PAINT SYSTEM AND ON SUBSTRATE INDICATED.

B. COLORS: REFER TO BSD FOR COLOR

C. SHEEN: MATCH EXISTING.

D. SUBMITTALS:

I. SUBMIT PRODUCT MSDS AND PRODUCT DATA SHEETS.

2. SUBMIT DRAW DOWNS TO ARCHITECT FOR COLOR VERIFICATION.

F. COMPLY WITH ALL LOCAL AND STATE ORDINANCES REGARDING VOC CONTENT OF PRODUCTS FOR INDOOR OR OUTDOOR APPLICATIONS.

G. MAXIMUM MOISTURE CONTENT OF SUBSTRATES: WHEN MEASURED WITH AN ELECTRONIC MOISTURE METER AS FOLLOWS:

I. GYPSUM BOARD: 12 PERCENT.

I. VERIFY SUITABILITY OF SUBSTRATES, INCLUDING SURFACE CONDITIONS AND COMPATIBILITY WITH EXISTING

FINISHES AND PRIMERS. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS IN "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL" APPLICABLE TO SUBSTRATES AND PAINT SYSTEMS INDICATED.

K. GYPSUM BOARD SUBSTRATES: LATEX SYSTEM:

14. PRIME COAT: INTERIOR/EXTERIOR PVA (POLYVINYL ACETATE) MATCHING TOPCOAT.

15. INTERMEDIATE COAT: INTERIOR/EXTERIOR ACRYLIC LATEX, RODDA PAINT PASYN, OR EQUAL TOPCOAT.

16. TOPCOAT: INTERIOR/EXTERIOR ACRYLIC.

DIVISION 10 SPECIALTIES

10.1 METAL STUDENT LOCKERS

A. MANUFACTURERS I. ACCEPTABLE MANUFACTURER: LIST INDUSTRIES, INC. SUPERIOR LOCKERS

Connector; eastanollee, ga 30538; tel: 706-827-2700; fax: 706-827-2710; email:request info (SALES@ASI-GLOBALPARTITIONS.COM); WEB:HTTP://ASI-GLOBALPARTITIONS.COM

I. ALL-WELDED LOCKERS ARE COVERED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP EXCLUDING FINISH, DAMAGE RESULTING FROM DELIBERATE DESTRUCTION AND VANDALISM UNDER

C. LOCKER TYPES: I. GENERAL: LOCKERS SHALL BE "SUPERIOR BOOKSAFE III CORRIDOR LOCKERS" AS MANUFACTURED BY LIST INDUSTRIES INC. OR APPROVED EQUAL.

I. TYPE: 2 TIER 2. SIZE: 12" WIDE X 14" DEEP X 72" HIGH

D. BOOKSAFE III CORRIDOR LOCKERS:

1. DOORS: 14 GAUGE SOLID SHEET STEEL WITH RECESSED HANDLE, AND SINGLE-POINT LATCHING 2. SIDES: 16 GAUGE SOLID SHEET STEEL

3. TOPS, BOTTOMS, SHELVES: 16 GAUGE SOLID SHEET STEEL 4. BACKS: 18 GAUGE SOLID SHEET STEEL

E. MATERIALS:

I. STEEL SHEET: ALL SHEET STEEL USED IN FABRICATION SHALL BE PRIME GRADE FREE FROM SCALE AND

IMPERFECTIONS AND CAPABLE OF TAKING A HEAVY COAT OF HIGH GLOSS BAKED ENAMEL. 2. FASTENERS: CADMIUM, ZINC OR NICKEL PLATED STEEL; BOLT HEADS, SLOTLESS TYPE; SELF LOCKING NUTS OR LOCK WASHERS.

3. HARDWARE: HOOKS AND HANG RODS OF CADMIUM PLATED OR ZINC PLATED STEEL OR CAST ALUMINUM.

4. HANDLE: SEAMLESS DRAWN STAINLESS STEEL RECESSED HANDLE.5. NUMBER PLATES: TO BE POLISHED ALUMINUM WITH NOT LESS THAT 3/8" HIGH ETCHED NUMBERS ATTACHED TO DOOR WITH TWO ALUMINUM RIVETS.

F, CONSTRUCTION: LOCKERS SHALL BE "SUPERIOR BOOKSAFE III CORRIDOR LOCKERS" AS MANUFACTURED BY LIST INDUSTRIES INC. OR APPROVED EQUAL. ALL LOCKERS SHALL BE FACTORY-ASSEMBLED, OF ALL MIG WELDED CONSTRUCTION, IN MULTIPLE COLUMN UNITS TO MEET JOB CONDITIONS. ASSEMBLY OF LOCKER BODIES BY MEANS OF BOLTS, SCREWS, OR RIVETS WILL NOT BE PERMITTED. WELDING OF KNOCKDOWN LOCKER METAL STUDENT LOCKERS 10 5 I 13-3 CONSTRUCTION IS NOT ACCEPTABLE. GRIND EXPOSED WELDS AND METAL EDGES FLUSH AND MAKE SAFE TO TOUCH.

I.. UNIBODY VERTICAL SIDE PANELS: SHALL BE OF INTEGRAL FRAME AND SIDE WALL CONSTRUCTION MANUFACTURED FROM SOLID 16 GAUGE SHEET STEEL. THE ONE-PIECE SIDE/FRAME SHALL BE FORMED TO PROVIDE A CONTINUOUS DOOR STRIKE ON THE HINGE SIDE. AN ADDITIONAL CONTINUOUS VERTICAL DOOR STRIKE SHALL BE ACHIEVED AT THE LATCH SIDE BY MIG WELDING A 16 GAUGE FULL HEIGHT CHANNEL FRAME MEMBER TO THE INTEGRAL LOCKER SIDE PRODUCING A RIGID TORQUE-FREE WELDED LOCKER BODY. THE FRAME SHALL INCLUDE A TAB WHICH ENGAGES A SLOT IN THE BASE LOCKING THE SIDE PANEL AND FRAME INTO POSITION. SIDES TO BE SOLID.

THE FRONT AND REAR. A FULL DEPTH HORIZONTAL CHANNEL SHALL BE MIG WELDED UNDER THE LOCKER BOTTOM FRONT-TO-BACK AT THE LEFT AND RIGHT SIDE OF EACH WELDED LOCKER UNIT AS WELL AS BENEATH EACH VERTICAL SIDE PANEL FOR MAXIMUM RIGIDITY.

2. INTEGRAL FRAME LOCKER BASE: 16 GAUGE FORMED SHEET STEEL WITH DOUBLE RETURN FLANGES AT

3. FLAT TOPS: SHALL BE FORMED OF ONE PIECE OF 16 GAUGE COLD ROLLED SHEET STEEL AND SHALL BE AN INTEGRAL PART MIG WELDED TO EACH VERTICAL SIDE PANEL FRAME MEMBER AND BE CONTINUOUS TO COVER THE FULL WIDTH OF A MULTIPLE LOCKER UNIT.

4. HAT SHELVES, INTERMEDIATE SHELVES AND BASES: SHALL BE 16 GAUGE SHEET STEEL, HAVE DOUBLE BENDS AT FRONT AND SHALL BE MIG WELDED TO THE SIDES. 5. BACKS: SHALL BE 18 GAUGE COLD ROLLED SHEET STEEL, BE CONTINUOUS TO COVER A MULTIPLE

UNIBODY UNITAND BE WELDED TO EACH VERTICAL SIDE PANEL. 6. DOORS: DOOR TO BE FABRICATED FROM SINGLE SHEET PRIME 14 GAUGE WITH SINGLE BENDS AT TOP AND BOTTOM AND DOUBLE BENDS AT THE SIDES WITH A 3" (1-1/2" FOR 9" WIDE DOORS) WIDE 18 GAUGE FULL HEIGHTCHANNEL DOOR STIFFENER MIG WELDED TO THE HINGE SIDE OF THE DOOR AS WELL AS TO THE TOP AND BOTTOM DOOR RETURN BENDS AND SPOT WELDED TO THE INSIDE OF DOOR FACE TO FORM A RIGID TORQUE-FREE BOX REINFORCEMENT FOR THE DOOR. DOOR SHALL BE PLAIN (NON-PERFORATED).

7. HANDLE: ALL LOCKER DOORS SHALL HAVE A SEAMLESS DRAWN 304 STAINLESS STEEL RECESSED HANDLE SHAPED TO RECEIVE A PADLOCK OR BUILT-IN COMBINATION LOCK. THE RECESS PAN SHALL BE DEEP ENOUGH TO HAVE THE LOCK BE COMPLETELY FLUSH WITH THE OUTER DOOR FACE.

8. LATCHING: THE LATCHING MECHANISM SHALL BE SINGLE-POINT RIGID NON-MOVING POSITIVE LATCH BY MEANS OF A HEAVY GAUGE (MINIMUM 11 GAUGE) LATCH SECURELY WELDED TO THE FRAMED VERTICAL DIVIDER. THE LATCH ASSEMBLY MUST BE MADE OF A SINGLE PIECE OF STEEL AND HAVE A PADLOCK LOOP THAT INSERTS THROUGH THE RECESS PAN. LOCKING DEVICE SHALL BE DESIGNED FOR USE WITH EITHER BUILT-IN COMBINATION LOCKS OR PADLOCKS. LATCH HOOKS SHALL BE I GAUGE (MINIMUM) WITH RIVETED BUMPERS AND SHALL BE MIG WELDED TO VERTICAL FRAME MEMBER

9. DOOR HINGES: HINGES FOR WARDROBE DOORS SHALL NOT BE LESS THAN 16 GAUGE CONTINUOUS PIANO TYPE, SECURELY RIVETED TO FRAME AND WELDED TO THE DOOR. ALL DOORS SHALL BE RIGHT HAND SIDE HINGED.

G. LOCKER ACCESSORIES

I. LOCKS

a. BUILT-IN COMBINATION LOCKS: BUILT-IN COMBINATION AUTOMATIC DEAD BOLT LOCKS WITH 5 CONTROL KEYS. LOCKS MUST BE CAPABLE OF A MINIMUM OF FIVE COMBINATION CHANGES.

2. EQUIPMENT: FURNISH EACH LOCKER WITH THE FOLLOWING ITEMS, UNLESS OTHERWISE SHOWN. b. SINGLE TIER LOCKERS: OPENINGS 60" AND 72" SHALL INCLUDE ONE HAT SHELF, ONE DOUBLE PRONG CEILING HOOK AND A MINIMUM OF TWO SINGLE PRONG WALL HOOKS.

c. DOUBLE TIER LOCKERS: OPENINGS 30" THRU 36" HIGH SHALL INCLUDE ONE DOUBLE PRONG

CEILING HOOK AND A MINIMUM OF TWO SINGLE PRONG WALL HOOKS. d. TRIPLE TIER LOCKERS: OPENINGS 20" THRU 24" HIGH SHALL INCLUDE ONE DOUBLE PRONG CEILING

e. FINISHED END PANELS (IF REQUIRED): SHALL BE "BOXED" TYPE FORMED FROM 16 GAUGE COLD ROLLED STEEL WITH I" O.D. DOUBLE BENDS ON SIDES AND A SINGLE BEND AT TOP AND BOTTOM WITH NO EXPOSED HOLES OR BOLTS. IF LOCKERS HAVE SLOPE TOPS, END PANELS MUST BE FORMED WITH SLOPE AT TOP TO COVER THE ENDS OF THE SLOPE TOPS. FINISHED TO MATCH LOCKERS. PROVIDE AT ALL EXPOSED ENDS.

f. $\,$ Continuous slope tops (if required): Not less than 18 gauge sheet steel APPROXIMATELY 18 DEGREES PITCH, IN LENGTHS AS LONG AS PRACTICAL BUT NOT LESS THAN FOUR LOCKERS, TO BE INSTALLED IN ADDITION TO THE LOCKER FLAT TOP WITH END CLOSURES FOR SUPPORT. FINISHED TO MATCH LOCKERS.

g. FILLERS (IF REQUIRED): PROVIDE WHERE INDICATED, OF NOT LESS THAN 16 GAUGE SHEET STEEL, FACTORY FABRICATED AND FINISHED TO MATCH LOCKERS

3. FINISHING: FINISHING: ALL LOCKER PARTS TO BE CLEANED AND COATED AFTER FABRICATION WITH A SEVEN STAGE HOT-SPRAY WASHING PROCESS AND COATED WITH A ZIRCONIUM-BASED NANOTECHNOLOGY PROVIDING A GREEN ALTERNATIVE TO TRADITIONAL IRON PHOSPHATE FOLLOWED BY A COAT OF HIGH GRADE CUSTOM BLEND POWDER ELECTROSTATICALLY SPRAYED AND BAKED AT 350 DEGREES FAHRENHEIT FOR A MINIMUM OF 20 MINUTES TO PROVIDE A TOUGH DURABLE FINISH. COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD LIST OF COLORS. TWO-TONE COLOR COMBINATION: SHALL BE AT NO ADDITIONAL COST WITH THE LOCKER BODY, FRAME AND TRIM CHOSEN FROM ONE COLOR AND THE DOORS MAY BE ONE OF ANY OTHER COLOR CHOSEN FROM MANUFACTURERS STANDARD SELECTION

4. LOCKERS SHALL BE GREENGUARD GOLD CERTIFIED.

H. INSTALLATION

I. GENERAL: INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH REFERENCED STANDARDS, THE MANUFACTURER'S WRITTEN DIRECTIONS, AS SHOWN ON THE DRAWINGS AND AS HEREIN SPECIFIED. 2. PLACEMENT: LOCKERS SHALL BE SET IN PLACE, PLUMB, LEVEL, RIGID, FLUSH AND SECURELY ATTACHED TO THE WALL (OR BOLTED TOGETHER IF BACK-TO-BACK) AND ANCHORED TO THE FLOOR OR BASE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

3. ANCHORAGE: ABOUT 48" O.C., UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER, AND APPLY WHERE NECESSARY TO AVOID METAL DISTORTION, USING CONCEALED FASTENERS. FRICTION CUPS ARE NOT ACCEPTABLE.

4. TRIM: SLOPING TOPS, METAL FILLERS AND END PANELS SHALL BE INSTALLED USING CONCEALED FASTENERS. PROVIDE FLUSH, HAIRLINE JOINTS AGAINST ADJACENT SURFACE

I. ADJUSTMENT

I. GENERAL: UPON COMPLETION OF INSTALLATION, INSPECT LOCKERS AND ADJUST AS NECESSARY FOR PROPER DOOR OPERATION. TOUCH-UP SCRATCHES AND ABRASIONS TO MATCH ORIGINAL FINISH.

PRELIMINARY PLAN ONLY-NOT **FOR** CONSTRUCTION

ENGINEERII PLANNIN

5895 SW 72ND AVE SUITE 2 PORTLAND, OREGON 9722 T E L: 5 0 3 . 2 2 6 . I 2 8 F A X: 5 0 3 . 2 2 6 . I 6 7 W W W . C I D A I N C . C O

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GENERAL NOTES

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