46, **5 5**

SSUED / REVISED DATE PRELIMINARY SET 09/08/16 L COORDINATION SET 11/08/16 L/PERMIT SET P REVIEW SET 01/11/17 01/26/17 PERMIT CORRECTIONS 03/22/17 PERMIT CORRECTIONS-2 04/06/17 / 05/05/17 /4

BID SET PERMIT ADDENDUM 05/24/17 /5 HP REVIEW PERMIT ADDENDUM 2 06/15/17 /

SPECIFICATIONS

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2) WALL APPLICATION - GYPSUM BOARD SUBSTRATE:
                                                                                                                 A) THINSET MORTAR SYSTEM:
                                                                                                                    (1) TCA SYSTEM: SIMILAR TO W243.
                                                                                                                    (2) INSTALLATION STANDARD: ANSI A108.5.
                                                                                                                     (3) SETTING MATERIALS: THINSET MORTAR.
  5) TILE COUNCIL OF AMERICA (TCA): HANDBOOK OF FOR CERAMIC TILE INSTALLATION, CURRENT
                                                                                                                     (4) LOCATION: RESTROOM WALL TILE.
                                                                                                              JOINT PATTERN:
                                                                                                                 A) LAY OUT TILE PATTERN PRIOR TO COMMENCING TILE INSTALLATION.
                                                                                                                  B) ACCURATELY LOCATE GROUT JOINTS ON LINES INDICATED; WHERE NOT INDICATED, ADJUST
    A) TILE: SUBMIT SAMPLES OF EACH TYPE AND COLOR OF TILE. INCLUDE REPRESENTATIVE RANGE
                                                                                                                 C) WHERE CUT TILES ARE NECESSARY, POSITION TILE SUCH THAT CUT TILE AT EACH EDGE OF
    B) GROUT: SUBMIT CURED SAMPLES OF EACH GROUT COLOR. FURNISH 2 CURED SAMPLES OF
       APPROVED GROUT COLORS TO THE EXPANSION JOINT SEALER INSTALLER FOR COLOR
    C) SCREEDS: SUBMIT SAMPLES OF EACH TYPE AND FINISH OF SCREED; MINIMUM 3 INCH LENGTH.
                                                                                                                 TILES OF DISTINCTIVE COLOR OR CHARACTER WITHIN EACH FIELD AREA.
 2) PRODUCT DATA: SUBMIT FOR EACH TYPE OF GROUT, ADHESIVE, ADDITIVE, ACCESSORY, AND
                                                                                                              5) INSTALL TILES ALIGNED WITH ADJACENT FINISHES, WHERE INDICATED. PROVIDE MORTAR FILL AS
                                                                                                                 NECESSARY FOR PROPER ALIGNMENT.
 3) SHOP DRAWINGS: INDICATE GENERAL LAYOUT, SURROUNDING CONSTRUCTION, LOCATION OF
    EXPANSION JOINTS IN SUBSTRATES AND TILE FIELDS, EDGE DETAILS, AND SPECIAL CONDITIONS
 4) SCHEDULE: SUBMIT A SCHEDULE OF EACH TILE TYPE, GROUT, AND JOINT WIDTH COMBINATION
                                                                                                                 IN RESTROOMS, AT INTERSECTIONS OF FLOOR TILE WITH WALLS. INSTALL TILE FOR SQUARE
                                                                                                                 CORNERS AT VERTICAL INSIDE CORNERS.

    CONFORM TO ANSI STANDARD SPECIFICATIONS FOR THE INSTALLATION OF CERAMIC TILE.

 1) FURNISH 1 PERCENT ADDITIONAL QUANTITIES OF EACH TYPE OF TILE INSTALLED FOR MAINTENANCE
                                                                                                              9) PROVIDE TEMPORARY SETTING BUTTONS AND SHIMS AS NECESSARY TO MAINTAIN WALL TILES IN
                                                                                                                POSITION UNTIL SETTING MORTAR HAS SET.
 3) TILE WHICH IS USED TO SATISFY EXTRA STOCK REQUIREMENTS SHALL BE FREE OF DAMAGED TILES,
                                                                                                                A) JOINT WIDTH VARIATION: PLUS OR MINUS 25% OF THE PROPOSED JOINT WIDTH.
                                                                                                                 B) TAPER: PLUS OR MINUS 25% FROM ONE END TO THE OTHER.
                                                                                                                 C) NO PORTION OF A TILE SURFACE SHALL VARY MORE THAN 1/32 INCH ABOVE OR BELOW AN
                                                                                                                    ADJACENT TILE SURFACE.
                                                                                                           C. SCREED INSTALLATION:
  3) SPECIAL SHAPES: UNLESS OTHERWISE INDICATED OR SPECIFIED, FURNISH SPECIAL SHAPES AS
                                                                                                              1) INSTALL SCREEDS AT TILE FIELD EDGES AT THE LOCATIONS INDICATED.
    STANDARD WITH THE TILE MANUFACTURER FOR UNIFORM TRANSITIONS AND CONCEALED EDGES IN
                                                                                                                 JOINTS. REMOVE BURRS AT FIELD CUTS.
    THE FINISHED INSTALLATION. SPECIAL SHAPES INCLUDE BULLNOSES, DOUBLE BULLNOSES,
                                                                                                                THAN 12 FEET OR SHORTER THAN 4 FEET IN LENGTH FOR CONTINUOUS RUNS GREATER THAN 16
                                                                                                                 SCREED AND TILE EDGE.
                                                                                                              6) GRIND SCREED JOINTS AS NECESSARY TO CORRECT MINOR MISALIGNMENT AND TO EASE SHARP
                                                                                                                 OUTSIDE CORNERS.
                                                                                                           D. SOLID SURFACING THRESHOLDS:
                                                                                                              1) INSTALL AT TILE FIELD EDGE AT DOOR OPENINGS INDICATED.
   A) THINSET MORTAR: IN ACCORDANCE WITH ANSI A118.4; PORTLAND CEMENT WITH 100 PERCENT
    B) THINSET MORTAR: "KERABOND" WITH "UNIVERSAL KERALASTIC" BY MAPEI CORP., "211 CRETE
      FILLER POWDER" WITH 4237 LATEX THIN-SET MORTAR ADDITIVE," BY LATICRETE INTERNATIONAL
                                                                                                                 INTERSECTIONS WITH WALLS AND COLUMNS.
      INC., HYDROMENT"TILE-MATE PREMIUM" WITH "447 FLEX-A-LASTIC" BY BOSTIK, OR APPROVED.
   C) RAPID-SET THIN BED MORTAR: "GRANI/RAPID" WITH "KER 318" FLEXIBLE ADMIXTURE" BY MAPEL
                                                                                                              3) LEAVE EXPANSION JOINTS FREE OF MORTAR.
                                                                                                              4) SEALANT MATERIALS AND INSTALLATION ARE SPECIFIED IN SECTION 079200.
      CORP., HYDROMENT "SINGLE FLEX FS," BY BOSTIK, OR "211 CRETE FILLER POWDER" WITH "4237
                                                                                                           F. GROUTING:
                                                                                                             COMPLY W
      RECOMMENDED BY THE MANUFACTURER FOR THE SETTING TIME REQUIRED)," BY LATICRETE
                                                                                                              2) MIX GROUT
                                                                                                              3) GROUT ALL
   D) MEDIUM BED MORTAR: "GRANI/RAPID" BY MAPEI CORP., HYDROMENT "MEDIUM BED MORTAR" BY
                                                                                                                RECOMMEN
      BOSTIK, OR "226 THICK BED MORTAR MIX" WITH "3701 LATEX MORTAR ADMIX," BY LATICRETE
                                                                                                              4) REMOVE E
   E) RAPID SET MEDIUM BED MORTAR: "GRANI/RAPID" BY MAPEI CORP., OR "211 CRETE FILLER
                                                                                                                MANUFACT
                                                                                                              5) PROTECT
      POWDER" WITH "3701 LATEX MORTAR ADMIX" AND "101 RAPID SET LATEX" (PROPORTIONS AS
                                                                                                                CLEANERS
      RECOMMENDED BY THE MANUFACTURER FOR THE SETTING TIME REQUIRED), BY LATICRETE
                                                                                                              DO NOT GR
                                                                                                                JOINTS BET
                                                                                                                EXPANSION
                                                                                                              7) CURED GR
                                                                                                           G. CURING: CURE
      (4) WATER: CLEAN AND FREE FROM AMOUNTS OF MATTER DELETERIOUS TO SETTING BED
                                                                                                           H. PROTECTION

 PROTECT T

                                                                                                              2) REPLACE AL
   G) ORGANIC ADHESIVES: ANSI A136.1, TYPE I; PROVIDE PRIMER/SEALER AS RECOMMENDED BY THE
                                                                                                             CLEANING:
                                                                                                              1) IN ACCORDA
                                                                                                              2) COORDINAT
                                                                                                                OPERATION
                                                                                                             3) WASH AND
                                                                                                          J. TILE SEALING:

 APPLY STAIN

                                                                                                                THOSE WITH
                                                                                                                RECOMMEN
   B) LATICRETE INTERNATIONAL, INC. "1600 SERIES UNSANDED GROUT" WITH "1776 GROUT ADMIX
                                                                                                              APPLY SEAL
   C) BOSTIK HYDROMENT "CERAMIC TILE GROUT /JOINT FILLER" WITH "425 FLEXIBLE GROUT
                                                                                                             WIPE TILE S
                                                                                                                RESIDUE.
7) METAL SCREED: AS MANUFACTURED BY SCHLÜTER SYSTEMS, INC. (800-225-8902), OR CERAMIC
   TOOL COMPANY, (800-236-5230); CLEAR ANODIZED ALUMINUM TILE EDGING TRIM; SIZES AS REQUIRED
                                                                                                        096429 - WOOD FLOOR
                                                                                                       1. GENERAL
9) SILOXANE TYPE TILE SEALER: MIRACLE SEALANTS "511-H20" BY MIRACLE SEALANTS AND ABRASIVES
                                                                                                         A. SECTION INCLU
                                                                                                             1) UNDERLAYM
                                                                                                              MOISTURE B
                                                                                                              ) WOOD STRIF
                                                                                                              4) WOOD FLOO
                                                                                                             5) ALTERNATE
                                                                                                          B. ALTERNATES:
2) INSTALL WATERPROOF MEMBRANESAT FLOORS IN ALL ROOMS WITH FLOOR DRAINS SCHEDULED TO
                                                                                                          C. REFERENCES:
                                                                                                             1) NATIONAL W
3) AT ABOVE GRADE LOCATIONS, INSTALL WATERPROOF MEMBRANE COMPLETELY OVER FLOOR
                                                                                                              AMERICAN S
                                                                                                                A) F1869 -
4) WHERE THE WATERPROOF MEMBRANE IS EXTENDED UP THE WALL, EXTEND TO ONE TILE HEIGHT.
                                                                                                                   CONCRE
                                                                                                                B) F2170 - S
5) PROTECT WATERPROOF MEMBRANE FROM DAMAGE UNTIL AFTER TILE INSTALLATION IS COMPLETE.
                                                                                                                   SLABS U
                                                                                                          D. SUBMITTALS:
                                                                                                            1) PRODUCT D
                                                                                                         E. QUALITY ASSUR
                                                                                                             1) INSTALLER (
                                                                                                                A) MINIMUM
                                                                                                                  FLOORIN
                                                                                                               B) USE ONL'
```

MATERIALS AND INSTALLATION ARE SPECIFIED IN SECTION 079200.	STAGGERED END JOINTS PARALLEL TO DIRECTION OF FINISHED FLOORING
WITH PROVISIONS OF ANSI A108.10.	C) SPACE ADJOINING SHEETS 1/8" APART. SPACE 3/4" FROM WALLS AND ALL VERTICAL
UTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	OBSTRUCTIONS: D) LAY SECOND LAYER AT 00 DECREES TO FIRST LAYER MITH STAGGERED FAIR ASSURED.
LL JOINTS, EXCEPT EXPANSION JOINTS, IN ACCORDANCE WITH THE MANUFACTURER'S	D) LAY SECOND LAYER AT 90 DEGREES TO FIRST LAYER WITH STAGGERED END JOINTS. OFFSET SEAMS BETWEEN FIRST AND SECOND LAYER.
ENDATIONS. FLOAT JOINTS TO A SLIGHTLY CONCAVE PROFILE.	E) ATTACH LAYERS OF PLYWOOD TOGETHER AT 12" O. C. WITH STAPLES OR SCREWS. DO NOT
EXCESS GROUT FROM TILE SURFACES IN ACCORDANCE WITH THE GROUT AND TILE	PENETRATE VAPOR BARRIER.
CTURER'S RECOMMENDATIONS. DO NOT USE EXCESS AMOUNTS OF WATER. ADJACENT SURFACES FROM DAMAGE CAUSED BY CLEANING AGENTS. DO NOT USE	3) PLYWOOD UNDERLAYMENT (AT ALTERNATE BID A):
RS WHICH WOULD DAMAGE TILE OR GROUT SURFACES	A) ACCURATELY CUT AND LOOSE LAY PLYWOOD UNDERLAYMENT OVER MOISTURE BARRIER.
GROUT JOINTS INDICATED TO RECEIVE SEALANTS, INCLUDING INSIDE RIGHT ANGLE CORNER	B) LAY WITH LONG DIMENSION OF PLYWOOD PARALLEL TO LONG DIMENSION OF FLOORING FIELD, END JOINTS STAGGERED.
ETWEEN FLOORS AND WALLS OF COLUMN BASES. GROUT JOINTS PERPENDICULAR TO	C) LEAVE 1/4 INCH TO 1/2 INCH GAP BETWEEN PANELS; LEAVE 3/8 INCH GAP AT CASEWORK AND AT
ON JOINTS SHALL BE FINISHED FLUSH WITH TILE EDGES.	LINE OF ADJOINING TILE EDGE; LEAVE 3/4 INCH GAP AT WALLS.
ROUT JOINTS SHALL BE MADE FREE OF EFFLORESCENCE, PRIOR TO SEALING. RE INSTALLATION IN ACCORDANCE WITH THE GROUT MANUFACTURER'S	D) WHEN ALL UNDERLAYMENT PANELS ARE IN PLACE, FASTEN TO CONCRETE SLAB WITH POWDER
DATIONS. PROTECT TILE AND GROUT DURING CURING OPERATIONS.	ACTUATED FASTENERS. FASTEN CENTER OF UNDERLAYMENT PANEL FIRST, THEN WORK
	TOWARDS EDGES. SPACE FASTENERS UNIFORMLY OVER THE SHEET, USING A MINIMUM OF 12 FASTENERS PER 4 X 8 SHEET.
TILE INSTALLATIONS FROM DAMAGE.	4) FLOORING INSTALLATION:
ALL DAMAGED TILES:	A) INSTALL FINISH FLOORING OVER UNDERLAYMENT WITH NAILS IN STRICT COMPLIANCE WITH
RDANCE WITH SECTION 015000 AND SECTION 017700.	MANUFACTURER'S INSTRUCTIONS AND NWFA SPECIFICATIONS.
ATE FINAL CLEANING WITH WORK OF SECTION 079200. DO NOT BEGIN CLEANING	B) PATTERN: LAY FLOORING IN WITH STRIPS ARRANGED AS INDICATED ON THE DRAWINGS. LAY
ONS UNTIL TILE EXPANSION JOINTS SEALANTS ARE FULLY CURED.	FLOORING SYMMETRICAL ABOUT ROOM CENTER LINE. FIT NEATLY TO VERTICAL INTERRUPTIONS.
D THOROUGHLY RINSE ALL TILE. LEAVE ALL TILE SURFACES CLEAN.	C) TONGUE AND GROOVE MATCH OR SPLINE SIDE TO END JOINTS.
	D. FINISHING:
AIN REPELLENT SEALER TO ALL FLOOR TILE AND FLOOR AND WALL TILE GROUT, INCLUDING ITH PREVIOUS TREATMENTS, IN ACCORDANCE WITH THE MANUFACTURER'S	1) SANDING:
ENDATIONS TO ACHIEVE MAXIMUM PENETRATION INTO TILE BODY AND GROUTS.	A) PROVIDE LOCAL LIGHT MACHINE SANDING USING FINE GRIT ONLY TO REMOVE CONSTRUCTION
ALER AT EARLIEST POSSIBLE DATE ALLOWED BY GROUT AND SEALER MANUFACTURER.	MARKS AND OFFSETS, WITHOUT REMOVING FACTORY TEXTURES AND "DEFECTS". HAND SAND TO REMOVE SANDER MARKS AND BLEND TO SURROUNDING FINISH.
SURFACES AFTER APPLICATION AS NECESSARY TO REMOVE ALL VISIBLE SEALER	B) TAKE PRECAUTIONS TO CONTAIN DUST CAUSED BY SANDING OPERATIONS. POWER VACUUM
	CLEAN:
	C) ALLOW NO TRAFFIC ON FLOOR UNTIL FINISHING IS COMPLETE, OR, COVER SANDED FLOOR WITH
DRING	PROTECTIVE PAPER IF THERE ARE TO BE DELAYS IN FINISHING.
	TRANSPARENT FINISH: A) APPLY ONE COAT OF TRANSPARENT SEALER IN ACCORDANCE WITH MANUFACTURER'S
LUDES:	INSTRUCTIONS AND AS SPECIFIED BELOW.
YMENT.	B) ABRADE THE CURED SEALER COAT WITH CONDITIONING PAD.
E BARRIER. RIP FLOORING.	C) VACUUM AND TACK THOROUGHLY AFTER ABRADING.
OOR FINISHING.	D) APPLY THREE COATS OF TRANSPARENT FINISH IN ACCORDANCE WITH MANUFACTURER'S
TE SLAB WATERPROOFING.	INSTRUCTIONS AND AS SPECIFIED BELOW. E) APPLY SECOND AND THIRD COAT BY ALLOWING PREVIOUS COAT TO DRY THEN BUFF WITH
: PORTIONS OF THE WORK SPECIFIED IN THIS SECTION IS BY ALTERNATE ONLY.	CONDITIONING PAD TO REMOVE IRREGULARITIES.
	F) APPLY WOOD FILLER TO ALL HOLES LARGER THAN 3/8 INCH DIAMETER PRIOR TO FINAL COAT OR
. WOOD FLOORING ASSOCIATION (NWFA) - HARDWOOD FLOORING INSTALLATION MANUAL. N SOCIETY FOR TESTING AND MATERIALS (ASTM):	FINISH.
- STANDARD TEST METHOD FOR MEASURING MOISTURE VAPOR EMISSION RATE OF	G) REMOVE DUST BY VACUUM AND DAMP CLOTH IMMEDIATELY BEFORE APPLYING EACH COAT.
RETE SUBFLOOR USING ANHYDROUS CALCIUM CHLORIDE.	3) PROTECTION: PROVIDE AND MAINTAIN AS REQUIRED, PROTECTION OF FINISHED HARDWOOD FLOORING DURING REMAINDER OF CONSTRUCTION PERIOD TO PREVENT DAMAGE OR
- STANDARD TEST METHOD FOR DETERMINING RELATIVE HUMIDITY IN CONCRETE FLOOR	DETERIORATION TO FLOORING AND FINISH PRIOR TO TIME OF FINAL ACCEPTANCE.
USING IN SITU PROBES:	TO THE STIME OF TWAL AGOL TANGE.
DATA: SUBMIT PRODUCT DATA FOR FINISHING SYSTEM.	096800 - CARPETING
URANCE:	1. GENERAL
R QUALIFICATIONS:	A. SECTION INCLUDES: BROADLOOM CARPETING; GLUE DOWN.
JM OF 5 YEARS EXPERIENCE IN THE INSTALLATION AND FINISHING OF HARDWOOD STRIP	B. REFERENCES:
RING WITH PROJECTS SIMILAR TO THE WORK OF THIS CONTRACT.	1) AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
NLY SKILLED AND EXPERIENCED WOOD FLOORING INSTALLERS FOR PREPARATION OF RATE AND ACTUAL INSTALLATION OF HARDWOOD FLOORING.	A) F1869 - STANDARD TEST METHOD FOR MEASURING MOISTURE VAPOR EMISSION RATE OF
DRAGE AND HANDLING:	CONCRETE SUBFLOOR USING ANHYDROUS CALCIUM CHLORIDE.
WOOD FLOORING FROM EXCESSIVE MOISTURE IN STORAGE, HANDLING, AND	B) F2170 - STANDARD TEST METHOD FOR DETERMINING RELATIVE HUMIDITY IN CONCRETE FLOOR SLABS USING IN SITU PROBES.
FION.	C. SUBMITTALS
ELIVER MATERIALS TO BUILDING UNTIL "WET WORK" SUCH AS CONCRETE, PLASTER AND HAVE BEEN COMPLETED AND CURED TO A CONDITION OF EQUILIBRIUM.	1) LAYOUT DRAWINGS: SHOW FIELD CONDITIONS, SEAM LAYOUT, LAY OF THE PILE, TRIM LOCATIONS,
PERMANENT HEAT, LIGHT, AND VENTILATION PRIOR TO INSTALLATION.	AND MATERIALS FOR TRANSITION TO OTHER FLOORING MATERIALS.
PERATURE: MAINTAIN ROOM TEMPERATURE OF A MINIMUM OF 65 DEGREES F AND A	2) SAMPLES: SUBMIT CARPET SAMPLES, 8 INCHES X 10 INCHES, MINIMUM; AND THREE SAMPLES OF
OF 80 DEGREES F. (18 DEGREES C) FOR PERIOD OF 7 DAYS PRIOR TO DELIVERY OF	EACH TYPE OF CARPET EDGE STRIP, THREE INCHES MINIMUM; D. CARPET INSTALLER: MINIMUM OF 3 YEARS EXPERIENCE IN CARPET INSTALLATIONS OF SIMILAR SIZE AND
S, DURING INSTALLATION AND AFTER INSTALLATION.	SCOPE. ABLE TO SHOW EVIDENCE OF EXPERIENCE WHEN REQUESTED BY THE ARCHITECT.
an arrange of an interference of the contract of the contract of the arrange at Maria 1991 of the contract of the contract of the ACC 1991 of the contract of the arrange of the ACC 1991 of the contract of the arrange of the ACC 1991 of the arrange of the arrange of the ACC 1991 of the arrange of the arrange of the ACC 1991 of the arrange of the arrange of the ACC 1991 of the arrange of the arr	

2. PRODUCTS

7) FASTENERS:

B. PREPARATION:

C. INSTALLATION:

MANUFACTURER.

(2) AT POST TENSIONED CONCRETE ELEVATED SLABS: USE FASTENERS OR ANCHORS

B) FLOORING FASTENERS: BLIND NAILS, 1-3/4 INCH LENGTH, AS RECOMMENDED BY THE FLOORING

9) RUBBER PERIMETER GASKETS: "SANTOPRENE," SILICONE, OR EPDM GLAZING BEADS; PREMOLDED

OR WELDED CORNERS; BLACK; FOR FLOORING EDGES AT STRUCTURAL COLUMNS, AS INDICATED.

10) WOOD FILLER: MINWAX "HIGH PERFORMANCE WOOD FILLER", OR AS RECOMMENDED BY FLOORING

11) SLAB WATERPROOFING: (AT ALTERNATE BID 'B' ONLY): FRANKLIN INTERNATIONAL, COLUMBUS OH

A. MOISTURE TESTING OF CONCRETE SLABS: PERFORM MOISTURE TESTS IN ACCORDANCE WITH ASTM

F1869 OR F2170 TO DETERMINE THE VAPOR EMISSION RATE FROM CONCRETE FLOORS. NOTIFY THE

1) USE LATEX FILLER TO PATCH CRACKS, SMALL HOLES, AND FOR MINOR LEVELING. ENSURE FLOOR

4) AT ALTERNATE B ONLY, INSTALL SLAB WATERPROOFING DIRECT TO SLAB IN ACCORDANCE WITH

1) INSTALL AND FINISH WOOD FLOORING IN ACCORDANCE WITH NWFA STANDARDS AND AS SPECIFIED

B) INSTALL FIRST LAYER OF PLYWOOD OVER VAPOR BARRIER OR WATERPROOFING WITH

A) AT BASE BID, SET MOISTURE BARRIER IN FULL COVERAGE OF ADHESIVE. LAP SHEETS A MINIMUM

2) SUBSTRATES SHALL BE SOUND, DRY, SMOOTH, LEVEL, CLEAN; AND FREE OF CRACKS, VOIDS,

ARCHITECT OF READINGS IN EXCESS OF 3 LBS PER 1000 SQ. FT. IN A 24 HOUR PERIOD, OR 75% RELATIVE

TO PROTECT INTEGRITY OF POST TENSION TENDONS.

8) CONDITIONING PADS: BONA CONDITIONING PADS:

RIDGES, FOREIGN MATERIALS AND SUBSTANCES.

MANUFACTURERS DIRECTIONS.

OF 6 INCHES AND TAPE.

MANUFACTURER; COLOR AS SCHEDULED; VOC COMPLIANT.

(800-669-4583); "TITEBOND 531 PLUS MOISTURE CONTROL SYSTEM".

SURFACE IS SMOOTH AND FLAT TO PLUS OR MINUS 1/8 INCH/10 FEET.

2) FLOATING SUBFLOOR (AT BASE BID AND ALTERNATE BID 'B' ONLY):

POWER VACUUM SUBSTRATE SURFACE IMMEDIATELY PRIOR TO INSTALLATION.

APPROVED BY THE LANDLORD. INSTALL IN ACCORDANCE WITH LANDLORDS REQUIREMENTS

1) COORDINATE LOCATIONS OF HANGERS AND SUPPORTS WITH THE WORK OF OTHER SECTIONS. 2) PROVIDE CEILING AND SOFFIT FRAMING AS INDICATED. A) SECURE RUNNERS TO STRUCTURE ABOVE WITH FASTENERS AT A MAXIMUM OF 24 INCHES ON CENTER. SIZE FASTENERS AND USE REINFORCEMENTS AS NECESSARY TO SUPPORT THE DEAD B) SCREW FASTEN FRAMING AT EACH FLANGE JOINT. C) SPACE STUDS AS INDICATED AT HORIZONTAL LOCATIONS. 4) FORM OPENINGS IN CEILINGS AND FRAME OPENINGS FOR RECESSED LIGHT FIXTURES, AIR DIFFUSERS, ACCESS DOORS, HATCHES, ETC. 5) INSTALL SUPPLEMENTARY HANGER WIRES FOR SUPPORT OF CEILING MOUNTED EQUIPMENT. O. TOLERANCES 1) INSTALL MEMBERS TO PROVIDE SURFACE PLANE WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET IN ANY DIRECTION. 2) LOCATE ASSEMBLIES WITHIN 1/4 INCH OF REQUIRED LOCATIONS 092900 - GYPSUM BOARD A. SECTION INCLUDES: GYPSUM BOARD AND ACCESSORIES. 2) PATCHING AND TREATMENT OF EXISTING WALL SURFACES. B. QUALITY ASSURANCE: 1) PERFORM WORK IN ACCORDANCE WITH GA 216, UNLESS SPECIFIED OTHERWISE, OR REQUIRED OTHERWISE TO MEET FIRE RATING REQUIREMENTS. 2. PRODUCTS: A. MANUFACTURER: ONE OF THE FOLLOWING. 1) CERTAINTEED CORP. GEORGIA-PACIFIC GYPSUM, LLC. 3) LAFARGE NORTH AMERICA 4) NATIONAL GYPSUM COMPANY 5) TEMPLE-INLAND INC. B. GYPSUM BOARD: ASTM C1396; 5/8 INCH THICK; TYPE X FOR USE IN FIRE RATED PARTITIONS; CONTRACTOR'S OPTION AT OTHER LOCATIONS. C. STANDARD BOARD: ASTM C1396. D. WATER RESISTANT BOARD: ASTM C1396. E. ACCESSORIES: INTERIOR GYPSUM TRIM: A) CONFORM TO GA 216, UNLESS INDICATED OR SPECIFIED OTHERWISE. B) CONCEALED FLANGE CRIMP-ON OR TAPE-ON TYPE: METAL. 2) CUSTOM TRIM: AS INDICATED, BY MILGO BUFKIN, BROOKLYN, NY (718-388-6476). 3) EXPANSION JOINT: BALCO INC (316-945-9328); "7500 SERIES," CLEAR ANODIZE FINISHED EXTRUSION; INSERT COLOR AS SELECTED BY ARCHITECT. 4) JOINT COMPOUND, TAPE, AND FINISHING COMPOUND: ASTM C475; PAPER TAPE, TYPICAL; SELF-ADHESIVE FIBERGLASS MESH TAPE FOR USE AT SURFACES TO RECEIVE ADHERED TILE OR THIN 5) SCREWS: ASTM C1002. 6) PROPRIETARY SKIM COAT: USG "TUFF-HIDE SHEETROCK BRAND PRIMER-SURFACER."

A. INSTALLATION STANDARD: UNLESS SPECIFIED OTHERWISE, PERFORM WORK IN ACCORDANCE WITH GYPSUM ASSOCIATION GA-216. B. INSTALL WATER RESISTANT BOARD RESTROOM WALLS AS A SUBSTRATE FOR SURFACES SCHEDULED TO RECEIVE CERAMIC TILE IN TOILET COMPARTMENTS. C. SCREW FASTEN BOARD TO FRAMING.

1) USE LONGEST PRACTICAL LENGTHS, WITH NO PIECE LESS THAN 2 FEET LONG FOR CONTINUOUS RUNS GREATER THAN 8 FEET. SECURELY FASTEN AND ALIGN TRIM ENDS AT JOINTS.

2) PLACE CONCEALED FLANGE CORNER BEADS AT ALL EXTERNAL CORNERS. AT ANGLES OTHER THAN 90 DEGREES, BEND THE FLANGE TO CONFORM TO THE ANGLE. 3) PLACE CONCEALED FLANGE TYPE L TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.

4) USE J TRIM AT EXPOSED GYPSUM BOARD EDGES WHERE SEALANT JOINT IS INDICATED. 5) INSTALL CONTROL JOINT TRIM IN GYPSUM BOARD FIELDS WITH CONTINUOUS RUNS IN EXCESS OF 30

FEET, AND IN LOCATIONS AS DIRECTED CONFIRM LOCATIONS WITH ARCHITECT. 1) PROVIDE FINISHING IN ACCORDANCE WITH GA 214. 2) WHERE NECESSARY TO SAND, DO SO WITHOUT DAMAGING THE FACE OF THE GYPSUM BOARD.

LEVELS OF FINISH: A) LEVEL 5: PROVIDE AT THE FOLLOWING LOCATIONS: (1) SURFACES PERPENDICULAR AND ADJACENT TO OR NEAR (WITHIN 24 INCHES OF) EXTERIOR WINDOWS, AND SURFACE MOUNTED LIGHT FIXTURES

(2) SURFACES TO RECEIVE DEEP TONE COLORS. (3) SURFACES TO RECEIVE SPECIALTY PLASTER FINISHES. B) LEVEL 4: PROVIDE UNLESS INDICATED OR SPECIFIED OTHERWISE C) LEVEL 3: PROVIDE AT THE FOLLOWING LOCATIONS:

(1) SURFACES TO RECEIVE FABRIC WALL COVERING D) LÉVEL 2: PROVIDE AT THE FOLLOWING LOCATIONS: (1) STORAGE ROOMS. (2) MECHANICAL ROOMS (3) JANITORS CLOSETS.

(4) SURFACES TO RECEIVE TILE OR OTHER THICK FINISH MATERIALS APPLIED TO GYPSUM BOARD SURFACES. E) LEVEL 1: PROVIDE AT THE FOLLOWING LOCATIONS: (1) SURFACES OF FIRE RATED ASSEMBLIES CONCEALED FROM VIEW IN THE FINISHED WORK

("FIRE-TAPING") (2) SURFACES OF ACOUSTICAL ASSEMBLIES CONCEALED FORM VIEW IN THE FINISHED WORK F) LÉVEL 0: PROVIDE AT THE FOLLOWING LOCATIONS:

(1) SURFACES OF NON-FIRE RATED ASSEMBLIES CONCEALED FROM VIEW IN THE FINISHED WORK, INCLUDING SURFACES TO BE COVERED BY CASEWORK, WOOD PANELING, 4) LEVEL 4 AND 5 FINISHES: RETURN TO THE SITE AFTER PRIMER IS APPLIED, AND TOUCH-UP SURFACE

5) PROPRIETARY SKIM COAT MATERIAL MAY BE USED IN LIEU OF JOINT COMPOUND AS SKIM COAT AT LEVEL 5 SURFACES.

093000 - TILE

 GENERAL A. SECTION INCLUDES: INTERIOR CERAMIC WALL TILE. INTERIOR CERAMIC OR STONE FLOOR. 3) REINFORCED WATERPROOF MEMBRANES. 4) CLEAVAGE MEMBRANES. 5) REINFORCING MESH. SCREEDS. 7) SOLID SURFACING THRESHOLD. 8) SEALER.

J) A137.1 - CERAMIC TILE

B. REFERENCES: 1) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): A) A108.1 - CERAMIC TILE INSTALLED WITH PORTLAND CEMENT MORTAR.

B) A108.1A - CERAMIC TILE INSTALLED WITH PORTLAND CEMENT MORTAR, REINFORCING, AND CLEAVAGE MEMBRANE. C) A108.4 - CERAMIC TILE INSTALLED WITH WATER-RESISTANT ORGANIC ADHESIVE D) A108.5 - CERAMIC TILE INSTALLED WITH DRY-SET AND LATEX PORTLAND CEMENT MORTAR. E) A118.4 - LATEX-PORTLAND CEMENT MORTAR.

F) A108.10 - INSTALLATION OF GROUT IN TILEWORK G) A118.4 - LATEX-PORTLAND CEMENT MORTAR. H) A118.10 - STANDARD FOR LOAD BEARING, BONDED, WATERPROOF MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION. 1) A136.1 - ORGANIC ADHESIVE FOR INSTALLATION OF CERAMIC TILE

6) INSTALL WATERPROOF MEMBRANE INTO CLAMPING RING OF FLOOR DRAIN. B. INSTALLATION OF TILE: 1) INTERIOR FLOOR APPLICATION: ONE OF THE FOLLOWING AS APPLICABLE TO FIELD CONDITIONS. A) THICKSET CEMENT MORTAR, WATERPROOF MEMBRANE, CLEAVAGE MEMBRANE OVER

DO NOT EXPOSE THE WATERPROOF MEMBRANE TO VIEW.

C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):

4) C207 - HYDRATED LIME FOR MASONRY PURPOSES.

OF COLORS AND FINISHES TO BE EXPECTED.

2) LEAVE EXTRA STOCK AT SITE WHERE DIRECTED, IN CLEARLY MARKED SEALED CARTONS.

SECONDS, OR TILE WHICH IS NOT IN CONFORMANCE WITH THESE SPECIFICATIONS.

B. ACCESSORY MATERIALS: AS FOLLOWS, UNLESS OTHERWISE RECOMMENDED BY THE TILE

B) ROOFING FELT, REINFORCED ASPHALT PAPER, OR POLYETHYLENE SHEETING.

LATEX THIN-SET MORTAR ADDITIVE" AND "101 RAPID SET LATEX"(PROPORTIONS AS

1) TILE TYPES: AS LISTED ON THE MATERIALS AND FINISH LEGEND.

B) 2" X 2" X 16/16 GAGE WELDED WIRE MESH OR APPROVED.

3) TILE WATERPROOFING MEMBRANE: ONE OF THE FOLLOWING.

CORNER BULLNOSES, AND COVE ASSEMBLIES.

A) IN ACCORDANCE WITH ANCI A108.02 – 3.8.

A) IN ACCORDANCE WITH ANCI A108.1A.

A) BOSTIK "HYDROMENT ULTRA-SET."

C) LATICRETE INTERNATIONAL "9235."

INTERNATIONAL, INC., OR APPROVED.

INTERNATIONAL, INC., OR APPROVED.

F) THICK BED MORTAR: NON-PROPRIETARY:

(2) HYDRATED LIME: ASTM C206, TYPE S, OR ASTM C207, TYPE S.

(5) PROPORTIONING: IN ACCORDANCE WITH TONA HANDBOOK.

A) MAPEI CORP "ULTRACOLOR PLUS" OR "KERACOLOR S."

C) LATICRETE INTERNATIONAL INC. "LATACRETE PERMACOLOR."

8) SOLID SURFACING THRESHOLD: AS SCHEDULED ON THE DRAWINGS.

B) BOSTIK "HYDROMENT CERAMIC TILE GROUT."

5) CEMENTITIOUS GROUT: ONE OF THE FOLLOWING; COLOR MATCH AS SCHEDULED ON THE

6) CEMENTITIOUS UNSANDED GROUT; COLOR MATCH AS SCHEDULED ON THE DRAWINGS.

FOR INSTALLATION OF TOP OF SCREED FLUSH WITH TOP OF TILE, AS DETAILED.

1) INSTALL WATERPROOF MEMBRANES IN STRICT ACCORDANCE WITH MANUFACTURER'S

INSTALLATION INSTRUCTIONS AND IN ACCORDANCE WITH ANSI A108.13.

(1) CEMENT: ASTM C150, TYPE I.

ADHESIVE MANUFACTURER.

A) MAPELCORP, "KERACOLOR U."

DRAWINGS.

PLUS."

RECEIVE TILE.

3. EXECUTION

ADMIXTURE."

COMPANY (800-350-1901).

A. TILE WATERPROOF MEMBRANE INSTALLATION

SURFACES INDICATED, AND UP THE WALL.

B) MAPEI CORP. "PRP 315."

ACRYLIC LATEX ADDITIVE

TILE SETTING MATERIALS:

2) FURNISH TILE MANUFACTURED IN ACCORDANCE WITH ANSI A137.1

1) C144 - AGGREGATE FOR MASONRY MORTAR.

2) C150 - PORTLAND CEMENT.

D. SUBMITTALS:

E. QUALITY ASSURANCE:

1) CLEAVAGE MEMBRANE:

2) REINFORCING MESH:

A. TILE:

3) C206 - FINISHING HYDRATED LIME.

CONCRETE SUBSTRATE: TCNA SYSTEM: F121. (2) INSTALLATION STANDARD: ANSI A108.1A. (3) CEMENT MORTAR BED WITH MESH REINFORCING OVER CLEAVAGE MEMBRANE: 1-1/4 INCH MINIMUM THICKNESS: 2 INCH MAXIMUM THICKNESS.

(4) WATERPROOF MEMBRANE. (5) BOND COAT: THINSET MORTAR OVER THICKSET MORTAR BED; 3/32 INCH MINIMUM

THICKNESS (6) MESH REINFORCING MANDATORY. B) THINSET OVER WATERPROOF MEMBRANE OVER CONCRETE SUBSTRATE. (1) TCA SYSTEM: SIMILAR TO F113.

(2) INSTALLATION STANDARD: ANSI A108.5. (3) SETTING MATERIALS: THINSET MORTAR; 3/32 INCH MINIMUM THICKNESS. GROUT JOINTS WITHIN SPECIFIED TOLERANCES TO MINIMIZE USE OF CUT TILES AT FIELD EDGES.

EACH RECTILINEAR FIELD IS NOT LESS THAN HALF OF A FULL SIZE UNIT, UNLESS INDICATED 4) TILES SHALL BE BLENDED AS REQUIRED TO AVOID PATTERN REPEATS AND "PATCHES" OF ADJOINING

6) EXCEPT AS OTHERWISE INDICATED, INSTALL BULLNOSE TILES AT EXPOSED TILE EDGES, INCLUDING EDGES ADJACENT TO CARPET, EDGES OF PLANTERS, EXTERNAL CORNERS, AND TOPS OF BASES. 7) CERAMIC TILE: INSTALL COVED TRANSITION PIECES TO MATCH HORIZONTAL SURFACE TILE COLORS

8) CLEAN JOINTS OF MORTAR TO MINIMUM DEPTH OF 1/4 INCH TO ALLOW SUBSEQUENT GROUT

D) INSTALL TILE FIELDS LEVEL TO WITHIN TOLERANCE SPECIFIED FOR FINISHED SUBSTRATE.

2) ACCURATELY CUT TO LENGTH FOR FLUSH TIGHTLY BUTTED JOINTS. PROVIDE MITER CUT ANGLE 3) INSTALL IN LONGEST POSSIBLE LENGTHS, EXCEPT THAT NO SCREED SECTION SHALL BE LONGER

4) INSTALL SCREEDS FREE FROM WAVES AND VARIATIONS IN HEIGHT, FLUSH WITH TOP OF ADJACENT

5) SET SCREEDS DIRECTLY IN SETTING BED AS THE TILE INSTALLATION PROCEEDS. COMPLY WITH SCREED MANUFACTURER'S INSTRUCTIONS TO ACHIEVE MORTAR TIGHTLY COMPACTED BETWEEN

2) ADHERE SOLID SURFACING THRESHOLDS DIRECTLY TO SOLID WOOD BLOCKING AS DETAILED ON

3) POSITION SOLID SURFACING THRESHOLD TO MAINTAIN ADA COMPLIANCE FOR DOOR THRESHOLDS

1) PLACE EXPANSION JOINTS AT CONTROL AND EXPANSION JOINTS IN CONCRETE SLABS, AND AT

2) JOINT SIZES: SET TO MATCH WIDTH OF TYPICAL GROUTED JOINT; BUT IN NO CASE LESS THAN 1/4".

SUBSTRA F. DELIVERY STOR.

1) PROTECT WO INSTALLATIO

2) DO NOT DELI DRYWALL HA PROVIDE PER 4) ROOM TEMP MAXIMUM OF

MATERIALS.

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