DIVISION 3 - CONCRETE:

3.1 CONCRETE SLAB:
A) CONCRETE SHALL BE 3,000 PSI MINIMUM STRUCTURAL LIGHTWEIGHT CONCRETE WITH 6 x 6 W 1.4 x W 1.4 WELDED WIRE MESH & VAPOR BARRIER ON COMPACT FILL
B) INTERIOR SLABS TO RECEIVE SMOOTH FINISH APPROPRIATE FOR INSTALLATION OF ALL FINISH FLOORING MATERIALS.

DIVISION 4 - UNIT MASONRY:

4.1 GENERAL

1. WORK SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE CONSTRUCTION OF CONCRETE MASONRY UNIT (CMU) WALLS.

2. OBTAIN MASONRY UNITS OF UNIFORM TEXTURE AND COLOR FROM ONE MANUFACTURER.

3. OBTAIN MORTAR INGREDIENTS OF UNIFORM QUALITY FROM ONE MANUFACTURER FOR EACH CEMENTITIOUS COMPONENT AND FROM ONE SOURCE AND PRODUCER FOR EACH AGGREGATE.

4. DELIVER MASONRY MATERIALS TO PROJECT IN UNDAMAGED CONDITION. STORE AND HANDLE MASONRY UNITS TO PREVENT THEIR DETERIORATION OR DAMAGE DUE TO MOISTURE, CONTAMINANTS, CORROSION OR OTHER CAUSES. STORE CEMENTITIOUS MATERIALS OFF THE GROUND, UNDER COVER AND IN A DRY LOCATION.

4.2 PRODUCTS

1. ALL CONCRETE MASONRY UNITS SHALL BE 100% LIGHTWEIGHT AGGREGATE CONCRETE MASONRY UNITS CONFORMING TO THE REQUIREMENTS OF ASTM-90 GRADE N. UNITS SHALL BE TYPE I, MOISTURE CONTROLLED.

2. WITH REGARD TO FIR RATINGS THE PRODUCER OF THE CONCRETE MASONRY UNITS SHALL FURNISH CERTIFICATION FROM AN INDEPENDENT TESTING LABORATORY CONFIRMING THAT ALL 8" MASONRY UNITS MEET ALL OF THE U.L. 618 REQUIREMENTS FOR TWO (2) HOURS OR BETTER, REFERENCING FULL SCALE FIRE TEST REPORTS.

3. MASONRY WALL REINFORCEMENT SHALL BE WELDED, HOT DIPPED, GALVANIZED, 9 GAGE REINFORCEMENT, FABRICATED FROM COLD DRAWN STEEL CONFORMING TO ASTM A82, APPROXIMATELY 2" LESS IN WIDTH THAN THE BLOCK WIDTH IN WHICH IT WILL BE USED. INSTALL 16 O.C. VERTICALLY BEGINNING 8" ABOVE FLOOR SLAB. PROVIDE PRODUCTS AS MANUFACTURED BY DUR-O-WALL INC, AA WIRE PRODUCTS CO., HOLMANN & BARNARD, OR APPROVED EQUAL. PROVIDE ALL MASONRY TIES AND ANCHORS, AS REQUIRED FOR CONSTRUCTION AND BONDING OF ALL MASONRY WALL. ALL ANCHORS, TIES, ETC., OF ZINC ALLOY AS MANUFACTURED BY HOLMANN & BARNARD, RICHMOND SCREW & ANCHOR CO., OR APPROVED EQUAL. PROVIDE MASONRY TIES AS INDICATED AND, WHERE NOT INDICATED, AS REQUIRED TO ENCLOSE OR TIE NEW MASONRY TO EXISTING MASONRY CONSTRUCTION.

4. DO NOT ADD ADMIXTURES INCLUDING AIR-ENTRAINING AGENTS ACCELERATORS, RETARDERS, WATER REPELLENT AGENTS, ANTI-FREEZE, COMPOUNDS OR OTHER ADMIXTURES UNLESS OTHERWISE DIRECTED.

5. LIMIT CEMENTITIOUS MATERIALS IN MORTAR TO PORTLAND CEMENT-LIME.

4.3 EXECUTION

1. DO NOT WET CONCRETE MASONRY UNITS PRIOR TO CONSTRUCTION.

2. THE CONSTRUCTION TOLERANCE FOR VARIATION FROM PLUMB FOR VERTICAL LINES AND SURFACES OF WALLS SHALL NOT EXCEED 1/4" IN 10'.

3. IN STOPPING AND RESUMING WORK THE CONTRACTOR IS TO RACK BACK 1/2-UNIT LENGTH IN EACH COURSE. CLEAN EXPOSED SURFACES OF SET MASONRY, WET UNITS LIGHTLY (IF REQUIRED) AND REMOVE LOOSE MASONRY UNITS AND MORTAR PRIOR TO LAYING FRESH MASONRY.

4. FILL CORES ACCEPTING DOWELS, IN HOLLOW CONCRETE MASONRY UNITS, WITH GROUT 2 COURSES (16") ABOVE FLOOR SLAB.

5. LAY HALLOW CONCRETE MASONRY UNITS WILL FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. BED WEBS OF STARTING COURSE IN MORTAR. FOR STARTING COURSE ON SLAB WHERE CELLS ARE NOT GROUTED SOLID, SPREAD OUT FULL MORTAR BED INCLUDING AREAS UNDER CELLS.

6. DURING THE TOOLING OF JOINTS ENLARGE ANY VOIDS OR HOLES, AND COMPLETELY FILL WITH MORTAR. POINT-UP ALL JOINTS INCLUDING CORNERS, OPENING AND ADJACENT WORK TO PROVIDE A NEAT, UNIFORM, RECESSED JOINT PREPARED FOR APPLICATION OF FINISHED SURFACE.

DIVISION 5 - METALS:

5.1 LIGHT GAUGE FRAMING:
A) STEEL/METAL STUDS ARE TO CONFORM TO SPECIFICATION ASTM C-645 AND UTILIZE 3-5/8", 2-1/2", 1-1/4" METAL STUDS AND CHANNELS, USG OR EQUAL. STUD SPACING @ 16" O.C., 20 GAUGE FOR STANDARD FRAMING, 16 GAUGE FOR LOAD BEARING CONDITIONS.
1) ALL DOOR OPENINGS AND/OR ARCH OPENINGS, 2'-0" WIDE OR GREATER, ARE TO BE FRAMED WITH TWO (2) ADDITIONAL STUDS AT EACH JAMB, SECURED TO FRAMES AND TO OTHER STUDS AS RECOMMENDED UNDER METAL INSTALLATION INSTRUCTIONS. INSTALLER TO FURNISH AND INSTALL RUNNER TRACK ON FRAME HEAD AND UNDERSILL OF EACH OPENING AND TO INSTALL JACK STUDS (SPACED THE SAME AS FULL-HEIGHT STUDS), ABOVE AND BELOW OPENING AND ADDITIONAL STIFFENERS 6" ABOVE AND 6" BELOW OPENING, EXTENDED TWO (2) REGULAR STUD SPACES BEYOND JAMBS ON EACH SIDE.
B) ALL STUD COMPONENTS AS DETAILED COMPLETE WITH ALL RUNNERS, CLIPS, AND HANGERS.
1) ALL BOTTOM AND TOP RUNNER TRACKS ARE TO BE ANCHORED TO THE SUBSTRATES FOR THE INSTALLATION OF THE STEEL STUDS. THIS SYSTEM IS TO BE ISOLATED FROM THE BUILDING STRUCTURES TO PREVENT TRANSFER OF LOADING AND DEFLECTIONS INTO THE LATHING AND METAL SUPPORT SYSTEM, BOTH VERTICALLY AND HORIZONTALLY.
2) RUNNER CHANNELS: .022" ZINC COATED COLD ROLLED STEEL NAILING CHANNELS, 7/8" DEEP.
C) INSTALL ADDITIONAL FURRING MEMBERS/GROUNDS/CORNER STUDDING AT EDGES/ CORNERS OF WORK AND AT OPENINGS AND CONTROL/ EXPANSION IN THE WORK.
D) PROVIDE STUD BACKING AT EACH SURFACE-MOUNTED DISPLAY STANDARD, HOOKS, OR HANG RAILS.
E) PROVIDE BACKING FOR HANDICAP GRAB BARS AND CHANGING TABLE.
F) FOR WALLS OTHER THAN DEMISING WALLS, PROVIDE HORIZONTAL STUD BRACING AT 6'-0" ON CENTER AND DIAGONAL BRACING ABOVE THE CEILING. ANCHOR TO STRUCTURE AS DIRECTED BY LANDLORD AND AS REQUIRED BY CODE.
1) ALL FURRING FROM ABUTTING STRUCTURES TO BE ISOLATED, AS REQUIRED, TO AVOID ANY TRANSFER OF LOADS AND/OR DEFLECTIONS INTO THE FURRING SYSTEM.
6) PLATFORM FRAMING
1) STRUCTURAL DECK FRAMING SHALL BE 'C' TYPE STEEL CHANNELS AS DETAILED.

5.2 MISCELLANEOUS METAL:
A) PROVIDE AND INSTALL STEEL ANGLES, BRACES, BOLTS AND CLIPS AS REQUIRED BY THE DRAWINGS AND CONSTRUCTION PRACTICE.
1) SCREW TYPE FURRING: UTILIZE 25 GAUGE GALVANIZED STEEL HAT-SHAPED MEMBERS WITH KNURLED FACES, ASTM C645.
B) ALL STRUCTURAL STEEL SHALL MEET ASTM A36, STRUCTURAL TUBING ASTM A500 - GRADE B, AND ANCHOR BOLTS ASTM A307. STRUCTURAL STEEL SHALL MEET A.I.S.C. SPECIFICATIONS. SUPPLY WITH SHOP PRIME COAT AND ALL BASE PLATES, HANGERS, SADDLES AND BOLTS AS REQUIRED PER SHOP DRAWINGS.
C) MISCELLANEOUS STEEL SHALL BE A36. PIPE SHALL BE STANDARD WEIGHT OR EXTRA HEAVY AS NOTED. SUPPLY ALL STEEL WITH SHOP PRIME COAT.

5.3 METAL FABRICATIONS:
A) INSTALL METAL HANG RAILS, WALL HARDWARE, ETC., PROVIDED BY THE GENERAL CONTRACTOR

DIVISION 6 - WOOD & PLASTICS:

6.1 MAINTENANCE OF WOOD, PLASTICS, AND COMPOSITES

6.2 ROUGH CARPENTRY:
A) ROUGH CARPENTRY IS TO INCLUDE, BUT NOT NECESSARILY BE LIMITED TO:
1) BLOCKING WHERE REQUIRED IN DRYWALL PARTITIONS OR FURRED DRYWALL FOR THE FASTENING OF SURFACE WALL STANDARDS AND WOOD TRIM.
2) FIRESTOPPING AT INTERSECTION OF ALL PARTITIONS AND CEILINGS.

6.3 FINISH CARPENTRY:
A) ARCHITECTURAL WOODWORK AND FINISHED CARPENTRY MATERIALS:
1) INSTALL ALL WORK IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE AWI AND AS NOTED IN THESE SPECIFICATIONS. IF THERE IS NO SPECIFIC REFERENCE MADE, COMPLY WITH AWI CUSTOM GRADE.
2) ALL EXPOSED BOARD LUMBER REQUIRING A PAINT FINISH SHALL BE CUSTOM GRADE PONDEROSA PINE. ALL STRUCTURAL FRAMING, BLOCK AND GROUNDS SHALL BE NO. 1 GRADE, DOUGLAS FIR OR SOUTHERN PINE. STRESS GRADE 1200 PSI MINIMUM, FACTORY MARKED.
3) ALL PLYWOOD SHALL BE SOFTWOOD PLYWOOD WITH A CONSTRUCTION AND INDUSTRIAL PSI (U.S. DEPT. COMMERCE), GRADE AND TYPE AS SPECIFIED. IF THERE IS NO GRADE OR TYPE SPECIFIED, PROVIDE A-C GRADE FIR FOR CONCEALED WORK, BIRCH VENEER FACE FOR EXPOSED WORK NECESSARY FOR PAINT FINISH. PROVIDE ALL PLYWOOD BEARING DFPA GRADE TRADEMARKS.
B) FABRICATION:
1) ALL MILLWORK/FINISHED CARPENTRY ITEMS SHALL BE FURNISHED BY A COMPETENT MILLWORK/FIXTURE CONTRACTOR, AND COMPLY WITH ALL APPLICABLE "CUSTOM GRADE" STANDARDS OF THE "ARCHITECTURAL WOODWORK QUALITY STANDARDS" OF THE AWI.
2) ALL FABRICATION AND APPLICATION OF PLASTIC LAMINATE, METAL WORK, AND GLASS, ETC., SHALL BE SHOP FABRICATED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND RESPECTIVE ASSOCIATIONS' STANDARDS (i.e., AWI, NEMA, ETC. ALL WORK TO BE PREMIUM QUALITY).
3) ALL CARPENTRY WORK SHALL BE COMPLETED BY THE GENERAL CONTRACTOR AND/OR HIS/HER FORCES DIRECTLY OR A SUBCONTRACTOR, AND ALL WORK MUST COMPLY WITH THE "MANUAL OF HOUSE FRAMING" BY THE NAT'L FOREST PROD. ASSOC., INCLUDING NAILING, FIRESTOPPING, ANCHORAGE, FRAMING AND BRACING AND TO INCLUDE THE FOLLOWING:
a) PREPARE, PATCH AND TOUCH-UP ALL SURFACES ADJACENT TO AND INCLUDING THOSE INDICATED ON THE PROJECT OR CAUSED BY FIELD CONDITIONS. ALL BLOCKING, WOOD OR METAL GROUNDS, SCREWS, SHIMS, FILLERS AND FASTENERS TO BE PROVIDED UNDER THIS CONTRACT; CONCEAL ALL FASTENERS UNLESS NOTED OTHERWISE.
b) ALL TILE ENTRANCES AND STANDARDS IN ACCORDANCE WITH AWI, AND ALL TRIM CASINGS AND MOULDINGS, ETC. ARE TO BE TRUE TO DETAILS, CLEARLY CUT AND SHARP. THE BACKSIDE OF ALL TRIM 3/4" AND UNDER TO BE KERFED, AND BACK CUT ALL TRIM 3/4" x 2-1/4" AND OVER IN LIEU OF KERFING TO PREVENT WARPING. MITER ALL EXPOSED CORNERS.
c) ALL FASTENERS USED TO SECURE, LEVEL, PLUMB AND TRUE TO LINE ARE TO BE SET BELOW THE FINISHED SURFACES AND FILLED WITH WOOD PUTTY OR OTHER APPROVED MATERIALS, SANDED CLEAN AND FLUSH WITH THE SURFACES TO BE UNDETECTABLE IN THE FINISH. ROUND ALL EXPOSED EDGES OF ASSEMBLIES TO 1/8" RADIUS AND BLIND NAIL WHEREVER POSSIBLE.
d) WOODWORK THAT IS EXPOSED IS TO RECEIVE A PAINT FINISH AND SANDED SMOOTH PRIOR TO FINISHING WITH SANDPAPER NO COARSER THAN NO. 80 AND ALL JOINTS ARE TO BE FILLED AND SANDED SMOOTH AND FLUSH.
e) ALL SHOP FABRICATED MILLWORK WHERE FIELD PAINTING IS REQUIRED, SHALL BE SHOP FINISHED WITH SANDING SEALER PRIOR TO DELIVERY TO SITE.
f) ASSEMBLY GLUES SHALL BE USED IN STRICT ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
g) LACQUERED (SHOP) FINISH SHALL BE SEMIGLOSS, PREMIUM GRADE, PER AWI.
4) CONSULT ARCHITECT'S COLOR/FINISH SCHEDULE FOR ALL FINISH MATERIALS.
5) INSOFAR AS POSSIBLE, ALL FIXTURES AND MILLWORK SHALL BE SHOP FABRICATED AND FINISHED, AND DELIVERED TO THE SITE AS CLOSE TO THE TIME OF INSTALLATION AS POSSIBLE TO MINIMIZE POSSIBLE DAMAGE FROM CONSTRUCTION ACTIVITY.
C) SHOP DRAWINGS AND SAMPLES:
1) PROVIDE MIMINUM THREE (3) SETS OF SHOP DRAWINGS FOR ALL CUSTOM FABRICATED WORK.
2) ANY SHOP DRAWINGS THAT REQUIRE SUBMITTAL MUST REQUIRE ALL PLANS, ELEVATIONS, SECTIONS, DETAILS AND PROFILES FOR PROPER REVIEW AND APPROVAL.
3) ANY SAMPLES OF MATERIALS ARE TO BE SUBMITTED TO THE ARCHITECT SPECIFICALLY INDICATING IF SUCH SUBMITTAL IS IN ANY WAY DIFFERENT FROM PRIOR SUBMITTALS AND/OR COLOR SELECTIONS BY THIS CLIENT.

DIVISION 8 - DOORS AND WINDOWS:

8.1 DOORS & FRAMES:
A) GENERAL:
1) VERIFY ALL LOCAL CODES AND LANDLORD'S REQUIREMENTS AND PROVIDE FIRE RATED DOORS AND FRAMES AS INDICATED ON DOOR SCHEDULE.
B) MATERIALS:
1) DOORS: FLUSH DESIGN DOORS - 1-3/8" THICK, SEAMLESS HOLLOW METAL CONSTRUCTION, WITH SMOOTH SURFACES WITHOUT VISIBLE JOINTS OR SEAMS ON EXPOSED SURFACES OR STILE EDGES, EXCEPT AROUND GLAZED INSERTS.
2) FACE SHEETS: 18 GAUGE, COLD ROLLED STEEL.
3) INTERNAL REINFORCING: CHANNEL SHAPED SECTIONS OR CONTINUOUS TRUSS FORM LINER CORE REINFORCEMENT WELDED TO BOTH FACE SHEETS.
4) REINFORCE TOPS, SIDES AND BOTTOMS OF DOORS WITH 1/8" CHANNELS.
5) SOUND DEADENER: NON- COMBUSTIBLE
6) FLOOR ANCHORS: SECURELY WELDED INSIDE EACH JAMB. ANCHORS SHALL BE PROPERLY PUNCHED FOR ANCHORING TO FLOOR.
7) JAMB ANCHORS: PROVIDE MINIMUM OF 4 DOUBLE STUD ANCHORS PER JAMB FOR USE WITH STEEL STUD WALLS AND PARTITIONS. ANCHORS SHALL BE STANDARD TYPE USED BY FRAME MANUFACTURER FOR THE PARTICULAR TYPE OF WALL AND PARTITION CONSTRUCTION. WHERE FIRE RATED ASSEMBLIES ARE INDICATED, PROVIDE ANCHORS REQUIRED TO MEET UL RATING.
8) MORTISE, REINFORCE, DRILL, AND TAP AS REQUIRED TO ACCOMMODATE ALL MORTISED TEMPLATE HARDWARE.
9) HARDWARE REINFORCEMENT: NOT LESS THAN 1/8" THICK AT HINGES AND STRIKE PLATE CLIPS.
10) SPREADER BARS: PROVIDE REMOVABLE SPREADER BARS ACROSS BOTTOM OF FRAMES, TACK WELDED TO JAMBS.
11) STOPS AND MOLDINGS: FORM FIXED STOPS INTEGRAL WITH FRAMES PROVIDE REMOVABLE STOPS AROUND GLAZED PANELS, SECURE WITH MACHINE SCREWS SPACED UNIFORMLY NOT MORE THAN 12" O.C.
12) FINISHES: MANUFACTURER'S STANDARD RUST INHIBITIVE PRIMER.
C) INSTALLATION:
1) PLACING FRAMES: SET FRAME ACCURATELY IN POSITION, PLUMBED, ALIGNED, AND BRACED SECURELY UNTIL PERMANENT ANCHORS ARE SET. AFTER WALL CONSTRUCTION IS COMPLATE, REMOVE TEMPORARY BRACES AND SPREADERS LEAVING SURFACES SMOOTH AND UNDAMAGED.
D) ROLL-UP/SECURITY GRILLE:
a) SECURITY/ROLL UP GRILLE TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR AND/OR HIS/HER EXPERIENCED GRILLE MANUFACTURER/ERECTOR SUBCONTRACTOR.
b) THE FINISH OF THE GRILLE TO BE STANDARD MILL FINISH ALUMINUM WITH BOTTOM BAR AND GUIDE ASSEMBLIES OF CLEAR ANODIZED OR DARK BRONZE ANODIZED (CHECK DRAWING SPECIFICATIONS AND LANDLORD DESIGN CRITERIA FOR SPECIFICS). A TWO SLIDE BOLT LOCK IS TO BE PROVIDED AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
c) THE GRILLE MANUFACTURER TO SUBMIT SHOP DRAWINGS FOR APPROVAL SHOWING ALL CONSTRUCTION DETAILS AND PROFILES, SUCH SUBMITTAL OF SHOP DRAWINGS IN NO WAY TO AFFECT THE ORIGINAL INTENT OR SPECIFICATION OF THE GRILLE OR ITS PLACEMENT AT THE OPENING OF THE STOREFRONT.

8.2 HARDWARE:
A) PROVIDE HARDWARE AS INDICATED ON SCHEDULE, DETAILS OR AS REQUIRED.

8.3 GLASS:
A) GENERAL:
1) ALL WORK SHALL BE COMPLETED BY A SPECIALIST GLASS FIRM WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE.
2) ALL FRAMELESS GLASS AND MIRRORS SHALL HAVE EXPOSED EDGES GROUND AND POLISHED. ALL CORNERS SHALL BE CHAMFERED.
a) THE GLASS INSTALLER IS TO INSPECT ALL GLASS EDGES AT TIME OF SETTING AND DISCARD PIECES THAT ARE DAMAGED.
3) PRIOR TO SUBSTANTIAL COMPLETION, THE GLASS INSTALLER IS TO REVIEW WITH THE GENERAL CONTRACTOR'S SUPERINTENDENT ALL GLASS SECTIONS AND REPLACE GLASS, GLAZING CHANNELS, SEALANTS, ETC., WHICH ARE EITHER BROKEN OR OTHERWISE DAMAGED, AND WASH AND POLISH INSIDE AND OUT.
B) MATERIALS:
1) ALL GLASS SHALL COMPLY WITH GLASS MANUFACTURER'S INSTRUCTIONS, GLAZING MATERIALS MANUFACTURER'S INSTRUCTIONS AND "GLAZING MANUAL" BY FGMA AND ANY OTHER TECHNICAL PUBLICATIONS OF RECOGNIZED AUTHORITIES RECENTLY PUBLISHED IN THE GLASS INDUSTRY. INSTALL ALL GLASS PIECES TO ACHIEVE WATERTIGHT AND AIR TIGHT PERFORMANCE AND TO MINIMIZE ANY BREAKAGE.
2) IF TEMPERED GLASS IS SPECIFIED, IT SHALL BE CLEAR FLOAT GLASS, HEAT TREATED TO 4.5 x ANNEALED STRENGTH, AND THE GENERAL CONTRACTOR IS TO COORDINATE WITH THE GLASS MANUFACTURER TO AVOID ANY VISIBLE TONG MARKS. ALL TEMPERED GLASS TO BE 1/2" THICK UNLESS OTHERWISE NOTED.
3) IF LAMINATED SAFETY GLASS IS SPECIFIED IT SHALL BE LAMINATE 2 SHEETS OF 1/4" THICK CLEAR FLOAT GLASS WITH A 30 MIL. FILM OF PVB.
4) IF PLATE GLASS IS SPECIFIED, IT SHALL BE CLEAR FLOAT GLASS, QUALITY q3, 1/4" THICK, UNLESS OTHERWISE SPECIFIED.
5) PROVIDE ALL GLAZING COLORS AS SHOWN ON THESE DRAWINGS, BLACK IF NOT SHOWN, COMPLYING WITH MANUFACTURER'S RECOMMENDATIONS FOR SELECTIONS OF HARDNESS AND OTHER PRODUCT VARIATIONS TO MEET COMPATIBILITY REQUIREMENTS AND PROJECT/INSTALLATION CIRCUMSTANCES.
6) ALL SETTING BLOCKS TO BE 70-90 DUROMETER HARDNESS AND THE NEOPRENE SELECTED FOR COMPATIBILITY WITH THE SEALANT.
7) ALL BUTYL RUBBER SEALANT TO BE FS TT-S-001657, TYPE I, SOLVENT BASED, 75% SOLIDS, 24 HOUR TACK-FREE, PAINTABLE, NON-STAINING.
8) ALL SPACERS SHALL BE 40-50 DUROMETER HARDNESS AND NEOPRENE SELECTED FOR COMPATIBILITY WITH SEALANT.
9) ALL SEALERS, PRIMERS AND CLEANERS ARE TO BE A TYPE RECOMMENDED BY THE MANUFACTURERS OF THE SEALANTS/GASKETS FOR USE ON INDICATED GLAZING CHANNEL SURFACES.
10) MIRROR FRAMING MEMBERS AS MANUFACTURED BY "STYLEMARK" (800)-328-2495 -- SEE DETAILS.
C) INSTALLATION:
1) LOCATE ALL SETTING BLOCKS PER LIGHT, AT 25% OF GLASS WIDTH, MEASURED FROM CORNERS AND SET IN THIN BED OF SEALANT IF HEEL OR TOE BEAD IS REQUIRED. ALL GLASS IS TO BE CUT TO PROPER SIZE, EXCEPT CUT PROCESSED/FABRICATED GLASS UNITS PRIOR TO PROCESSING/FABRICATING; PROVIDE FOR ADEQUATE EDGE CLEARANCE AND BITE ON GLASS, AND ALL EDGES TO BE FINISHED AS PER SPECIFICATIONS.
2) SPACERS, INSIDE AND OUT, ARE TO BE INSTALLED ALL AROUND WHERE LIQUID OR PLASTIC/MASTIC COMPOUNDS ARE USED, EXCEPT ON GLASS SIZES SMALLER THAN 50 UNITED INCHES.
3) SEALANTS ARE TO BE FORCED INTO CHANNELS TO ELIMINATE VOIDS AND BE EFFECTIVELY "WET" BOND SURFACES. TOOL EXPOSED SURFACES TO PROVIDE SLIGHT WASH AWAY FROM JOINT, TRIM AND CLEAN PROMPTLY.

DIVISION 9 - FINISHES:

9.1 GENERAL:
A) ALL FINISH MATERIALS SHALL BEAR APPROVED FIRE RESISTANCE AND SMOKE CONTRIBUTION RATINGS WHICH COMPLY WITH CODE REQUIREMENTS AND WHERE REQUIRED, SHALL BE FILED WITH THE BUILDING DEPARTMENT.
B) ALL MATERIALS, COLORS, AND FINISHES AS SELECTED BY THE ARCHITECT. SEE FINISH SCHEDULE.

9.2 GYPSUM DRYWALL:
A) GENERAL:
1) COORDINATE WITH LOCAL AND STATE AUTHORITIES FOR THEIR REQUIREMENTS FOR DRYWALL AND ASSEMBLIES.
2) THE ENTIRE DRYWALL AND METAL STUD INSTALLATION IS TO CONFORM TO U.S. GYPSUM MASTER SPECIFICATIONS AND METAL INSTALLATION INSTRUCTIONS -- STUD SPACING NOT TO EXCEED 16" O.C.
B) MATERIALS:
1) ALL GYPSUM WALL BOARD SHALL BE FIRE RATED 5/8" THICK, TYPE "X" AND CONFORMING TO SPECIFICATION ASTM C-36 AND NONRATED 5/8" THICK WITH LONG EDGE TAPERED.
2) ALL DRYWALL SCREWS TO BE 1-1/4" TYPE "W".
3) ACCESSORIES TO BE GALVANIZED STEEL, SIZED TO FIT WALLBOARD THICKNESS, STANDARD CORNER BEAD, EXPANSION JOINT, ETC., DESIGNED FOR FINISHING WITH JOINT TREATMENT COMPOUND.
4) JOINT TREATMENT SYSTEM: USE PERFORATED TAPE WITH JOINT COMPOUND AND TOPPING COMPOUND BY SAME MANUFACTURER AS WALLBOARD. ALL BOARD TO RECEIVE 1 TAPE AND 3 COATS SANDED AND READY FOR TENANT'S FINISHES.
C) INSTALLATION:
1) ALL DOOR OPENINGS AND/OR ARCH OPENINGS, 2'-0" WIDE OR GREATER, ARE TO BE FRAMED WITH TWO (2) ADDITIONAL STUDS AT EACH JAMB, SECURED TO FRAMES AND TO OTHER STUDS AS RECOMMENDED UNDER METAL INSTALLATION INSTRUCTIONS. INSTALLER TO FURNISH AND INSTALL RUNNER TRACK ON FRAME HEAD AND UNDERSILL OF EACH OPENING AND TO INSTALL JACK STUDS (SPACED THE SAME AS FULL-HEIGHT STUDS), ABOVE AND BELOW OPENING AND ADDITIONAL STIFFENERS 6" ABOVE AND 6" BELOW OPENING, EXTENDED TWO (2) REGULAR STUD SPACES BEYOND JAMBS ON EACH SIDE.
2) ALL FURRING FROM ABUTTING STRUCTURES TO BE ISOLATED, AS REQUIRED, TO AVOID ANY TRANSFER OF LOADS AND/OR DEFLECTIONS INTO THE FURRING SYSTEM.
3) SCREW BOTH LAYERS OF GYPSUM BOARD TO SUPPORTS WHERE DOUBLE LAYER WORK IS INDICATED OR OTHERWISE REQUIRED.
4) ALL GYPSUM BOARD IS TO BE INSTALLED IN LENGTHS AND DIRECTIONS WHICH WILL MINIMIZE NUMBER OF END JOINTS, AND AVOID END JOINTS IN CENTRAL AREA OF CEILING. ALL WALLS AND PARTITIONS ARE TO BE INSTALLED WITH EXPOSED GYPSUM BOARD VERTICAL WITH JOINTS STAGGERED OVER SUPPORTS, EXCEPT WHERE RECOMMENDED IN A DIFFERENT ARRANGEMENT BY MANUFACTURER.
5) THE ROOM TEMPERATURE FOR THE INSTALLATION OF ALL GYPSUM BOARD SHALL NOT BE LESS THAN 50 DEGREES FAHRENHEIT WITH ADEQUATE VENTILATION MAINTAINED TO ELIMINATE ESCESSIVE MOISTURE UNTIL JOINT COMPOUND IS COMPLETELY DRY. CONTRACTOR TO PROTECT ALL BOARD FROM WETTING AND REPLACE ALL MATERIALS THAT ARE DAMAGED.

9.3 BASE:
A) MATERIALS:
1) VINYL COVE BASE SHALL BE BY "ARMSTRONG" 4" HIGH.
a) INSTALL IN CONTINUOUS LENGTHS.
b) COLOR TO BE #V4860 JET BLACK

9.4 PAINTING:
A) GENERAL:
1) INCLUDE SURFACE PREPARATION AND FIELD APPLICATION OF ALL PAINTS AND COATINGS.
2) ALL PAINT FINISHES SHALL CONFORM TO ALL APPLICABLE CODES FOR FLAME/SMOKE RATING REQUIREMENTS.
3) ALL PAINT AND/OR OTHER FINISH MATERIALS ARE TO BE APPLIED IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S DIRECTIONS.
B) MATERIALS:
1) SHERWIN WILLIAMS, SEE FINISH LEGEND
C) INSTALLATION:
1) ALL DRYWALL SHALL BE FREE OF SANDING DUST AND JOINT TREATMENT CEMENT AND BE THOROUGHLY DRY.
2) THE PAINTING SUBCONTRACTOR IS TO INSTALL ANY ADDITIONAL COATS REQUIRED, WHEN THE UNDERCOATS, STAINS OR OTHER CONDITIONS, SHOW THROUGH FINAL PAINT COAT.
3) ALL SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT SHALL RECEIVE A PRIME COAT ONLY AND ALL PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SHALL RECEIVE THE SAME FINAL COATS AS OTHER SIMILAR EXPOSED SURFACES.
4) ALL GYPSUM DRYWALL CEILINGS AND WALLS TO RECEIVE 2 COATS OF SHERWIN WILLIAMS, AT A MINIMUM.
5) ALL EXPOSED WOOD AND METAL TO BE PRIMED AND FINISHED WITH TWO COATS PER FINISH SCHEDULE.
6) PRIME COAT IS TO BE APPLIED TO ALL MATERIALS WHICH ARE REQUIRED TO BE PAINTED OR FINISHED.
7) REMOVE ALL PAINT SPOTS, ETC., FROM ADJACENT SURFACES AND CLEAN ALL SURFACES.

9.5 FLASHPATCHING:
A) SMOOTH EXISTING FLOOR WHERE REQUIRED TO PROVIDE A UNIFORM AND LEVEL SURFACE FOR FINISH FLOOR MATERIALS.

DIVISION 10 - SPECIALTIES:

10.1 SIGNS:
A) GENERAL:
(1) THE SIGNAGE WILL BE THE RESPONSIBILITY OF THE TENANT'S SIGN CONTRACTOR, INCLUDING FABRICATION, LANDLORD AND BUILDING DEPARTMENT APPROVAL, AND COORDINATION OF INSTALLATION WITH GENERAL CONTRACTOR'S SIGN INSTALLER..
2) THE SIGN SUBCONTRACTOR SHALL INCLUDE ALL WORK ON THE STOREFRONT SIGN, WINDOWS AND INTERIOR (IF APPLICABLE).
3) THE ART WORK FOR THE SIGNAGE AND GLAZING LOGO TO BE FURNISHED BY THE CLIENT AND SHOP DRAWINGS PREPARED BY THE SIGN SUB-CONTRACTOR FOR BOTH CLIENT, LANDLORD AND BLDG. DEPT. APPROVAL.
4) THE SIGN SUBCONTRACTOR TO FURNISH AND INSTALL ALL SILKSCREEN OR WORK AND SHALL ENLARGE OR REDUCE ART WORK AS REQUIRED FOR THE LOCATION.
B) INSTALLATION:
1) THE GENERAL CONTRACTOR IS TO HAVE THE SIGN INSTALLED BY A LOCAL SIGN SUBCONTRACTOR UTILIZING TEMPLATES FURNISHED BY THE GENERAL CONTRACTOR.
2) ALL SURFACES TO BE CLEAN AND FREE OF DIRT/GREASE BEFORE APPLICATION OF SIGNAGE INCLUDING SILKSCREENING AREAS APPLIED TO THE BACK OF GLASS AS SHOWN ON PLANS AND SPECIFICATIONS. ALL WORK TO BE THE BEST QUALITY WITH ALL LINES CLEAN AND SHARP AND SET IN PLACE SQUARE, PLUMB AND TRUE.

10.2 EXTINGUISHERS:
A) GENERAL:
1) THE GENERAL CONTRACTOR IS TO CONTACT THE LOCAL FIRE MARSHALL AND VERIFY THE NUMBER OF FIRE EXTINGUISHERS REQUIRED DURING CONSTRUCTION AS WELL AS DURING STORE OPERATION, AND TO COORDINATE LOCATION WITH FB CPM FOR MOUNTING, BUT IN NO CASE TO ALLOW LESS THAN THREE (3) FIRE EXTINGUISHERS TO BE INSTALLED.
B) MATERIALS:
1) FIRE EXTINGUISHERS FURNISHED ARE TO BE COSMIC 5E, 2A10BC DRY CHEMICAL BY "J.L. INDUSTRIES", BLOOMINGTON, MN (612)835-6850 (OR APPROVED EQUAL).
2) THE WALL BRACKETS FOR MOUNTING THE EXTINGUISHERS TO BE MODEL NO. MB 818.

10.3 TOILET ACCESSORIES:
A) GENERAL:
1) INSTALL ALL ACCESSORIES TO COMPLY WITH GOVERNING CODES.
B) MATERIALS:
1) ACCESSORIES SHALL BE SUPPLIED AS MANUFACTURED BY "BOBRICK"
a) SUBMITTING TO BE APPROVED.
I) TOILET PAPER DISPENSER: SCA-56TR
II) FIXED MIRRORS # B165-2436 AS REQ'D. BY BARRIER FREE CODE.
III) GRAB BARS: B-5806 SERIES WITH ANCHOR PLATES TO WITHSTAND 250 LB. PRESSURE, VERTICAL & HORIZONTAL SEE DRAWING FOR LOCATION AND DIMENSIONS.
IIII) BABY CHANGING STATION: KB208-01 OVAL WALL-MOUNTED UNIT.

10.4 FIXTURES, HARDWARE & ACCESSORIES:
A) GENERAL:
1) CUSTOM WALL SYSTEM, MELAMINE PANELS AND CHANNELS, CUSTOM WALL HARDWARE, FREESTANDING FIXTURES, DISPLAY FIXTURES, AND RECESSED STANDARDS ARE PROVIDED BY THE FIVE BELOW AND INSTALLED BY GENERAL CONTRACTOR. SURFACE MOUNTED STANDARDS, BRACKETS AND SHELVING IN TOILET AND STORAGE AREAS ARE PROVIDED BY FIVE BELOW & INSTALLED BY GENERAL CONTRACTOR
2) INSTALLATION OF HARDWARE AND FIXTURES BY GENERAL CONTRACTOR AT THE DIRECTION OF THE FIVE BELOW
B) MATERIALS:
1) SALES AREA:
a) PROVIDE AND INSTALL SUPPORTING STUDS.
2) STORAGE (AT TOILET AND ABOVE MANAGERS DESK):
a) SURFACE MOUNTED STANDARD
b) BRACKETS SIZED PER NOTED SHELF SIZE
c) PROVIDE AND INSTALL HORIZONTAL SUPPORT FRAMING AS REQUIRED.
C) INSTALLATION:
1) USE ONLY CONCEALED FASTENERS WHENEVER POSSIBLE.
2) INSTALL EXPOSED MOUNTING DEVICES AND FASTENERS TO MATCH THE ACCESSORIES.
3) PROVIDE ALL ANCHORS, BOLTS AND OTHER NECESSARY AND REQUIRED FASTENERS, AND ATTACH STANDARDS SECURELY TO WALL AND PARTITIONS IN LOCATIONS AS INDICATED ON PLANS AND SPECIFICATIONS. COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS FOR EACH TYPE OF SUBSTRATE CONSTRUCTION.

DIVISION 11 - EQUIPMENT

11.1 MUSIC EQUIPMENT:
A) MATERIALS:
1) SPEAKER SYSTEM BY TENANT'S AUDIO CONTRACTOR
2) VENDOR TO PROVIDE CONDUIT FOR SPEAKER WIRE FROM AMPLIFIER TO VOLUME CONTROL SWITCH LOCATION, OUTLET BOX FOR SPEAKER WIRE AT RECEIVER, DOUBLE DEEP GANG BOX FOR MUSIC VOLUME CONTROL SWITCH.
B) INSTALLATION:
1) ALL MATERIALS TO BE SUPPLIED AND INSTALLED BY VENDOR AS INDICATED ON PLANS AND SPECIFICATIONS.

11.2 SECURITY SYSTEM / IN FLOOR SENSOR / ANNUNCIATOR SYSTEM:
A) MATERIALS:
1) SUPPLIED BY "FIVE BELOW" AND INSTALLED BY VENDOR.
2) SECURITY SYSTEM BY SENSORMATIC @ 1-800-241-6678
B)INSTALLATION:
1) INSTALL PER MANUFACTURE'S INSTRUCTIONS

Order Plans @ WWW.ADLine.com

ARCVISION
INCORPORATED
ARCHITECTURE • ENGINEERING • STORE PLANNING
SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO
1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146
PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com

ENGINEER

ARCHITECTURAL SEAL

DATE ISSUE

△	DATE	REVISION	NAME
	09/18/19	PERMIT / OWNER	

PROJECT NAME / LOCATION

five BELOW
NORTH LAKELAND
919 LAKELAND PARK CENTER DRIVE
LAKELAND, FL 33809

PROJECT INFORMATION

DATE: SEPTEMBER 18, 2019
PROJECT NO. 190636
DELIVERY TYPE: AS-IS

DRAWN: JTB
CHECKED: JDM

SHEET TITLE / NUMBER

GENERAL SPECIFICATIONS

GN1.1