DUNKIN'®

540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 3 6 4 8 6 1

BUILDING TYPE: FREESTANDING
IMAGE TYPE: NEXT GENERATION (COOL PALETTE)

ABBREVIATION INDEX

&	AND	FT.	FOOT	Q.T.	QUARRY TILE
@	AT	FURN.	FURNITURE	QTY.	QUANTITY
A/C	AIR CONDITIONING	GA.	GAUGE	R.A.	DUNKIN' BRANDS
A.D.	AREA DRAIN	GALV.	GALVANIZED	RAD.	RADIUS
A.F.F.	ABOVE FINISH FLOOR	GYP. BD.	GYPSUM BOARD	REF.	REFRIGERATOR
ALUM.	ALUMINUM	HDWD.	HARDWOOD	REINF.	REINFORCING
ALT.	ALTERNATE	HDR.	HEADER	REV.	REVISION
APPROX.	APPROXIMATE	H.D.	HUB DRAIN	REQ'D	REQUIRED
BD.	BOARD	H.M.	HOLLOW METAL	RESIL.	RESILIENT
BLDG.	BUILDING	HORIZ.	HORIZONTAL	RM.	ROOM
BM.	BEAM	HGT.	HEIGHT	R.O.	ROUGH OPENING
BSMT.	BASEMENT	I.D.	INSIDE DIAMETER	SCHED.	SCHEDULE
BTWN.	BETWEEN	INSUL.	INSULATION	SEC.	SECTION
BOT.	BOTTOM	INT.	INTERIOR	S.F.	SQUARE FOOT
C.L.	CENTER LINE	JT.	JOINT	SHT.	SHEET
C.T.	CERAMIC TILE	KIT.	KITCHEN	SIM.	SIMILAR
CLG.	CEILING	LAM.	LAMINATE	SPEC.	SPECIFICATION
CLOS.	CLOSET	LAV.	LAVATORY	SQ.	SQUARE
CM	CONSTRUCTION MGR.	LT.	LIGHT	S.S.	STAINLESS STEEL
CMU	CONC. MASONRY UNIT	MAS.	MASONRY	STD.	STANDARD
COL.	COLUMN	MAX.	MAXIMUM	STL.	STEEL
COMBO	DUNKIN'/BASKIN	MECH.	MECHANICAL	STRUCT.	STRUCTURAL
	DUNKIN'/TOGO'S	MTL.	METAL	SUSP.	SUSPENDED
	TOGO'S/BASKIN	MFR.	MANUFACTURER	TEL.	TELEPHONE
CONC.	CONCRETE	MIN.	MINIMUM	THK.	THICK
CONT.	CONTINUOUS	MISC.	MISCELLANEOUS	THRU	THROUGH
CONST.	CONSTRUCTION	M.O.	MASONRY OPENING	T.O.P.	TOP OF PLATE
C.S.	CONSTRUCTION SPECIFICATIONS	MTD.	MOUNTED	T.O.S.	TOP OF STEEL
D.B.I.	DUNKIN' BRANDS INC.	N.I.C.	NOT IN CONTRACT	T.O.SL.	TOP OF SLAB
DEPT.	DEPARTMENT	NO.	NUMBER	TRT.	TREATED
DTL.	DETAIL	NOM.	NOMINAL	TYP.	TYPICAL
D.F.	DRINKING FOUNTAIN	N.T.S.	NOT TO SCALE	U.N.O.	UNLESS NOTED OTHERWISE
DIA.	DIAMETER	O.A.	OVERALL	V.C.B.	VINYL COMPOSITION BASE
DIM.	DIMENSION	O.C.	ON CENTER	V.C.T.	VINYL COMPOSITION TILE
DISP.	DISPENSER	O.D.	OUTSIDE DIAMETER	VERT.	VERTICAL
DN.	DOWN	OPNG.	OPENING	V.I.F.	VERIFY IN FIELD
DR.	DOOR	OPT.	OPTIONAL	V.W.C.	VINYL WALL COVERING
D.S.	DOWN SPOUT	O.S.B.	ORIENTED STRAND BOARD	W/	WITH
DWG.	DRAWING	PL.	PLATE	W.C.	WATER CLOSET
EA.	EACH	P.LAM.	PLASTIC LAMINATE	WD.	WOOD
EL.	ELEVATION	PLUMB.	PLUMBING	W/O	WITHOUT
ELEC.	ELECTRICAL	PLYWD.	PLYWOOD	WP.	WATERPROOFING
EQ.	EQUAL	PR.	PAIR	WT.	WEIGHT
EQUIP.	EQUIPMENT	PROP.	PROPERTY	WWM.	WELDED WIRE MESH
EXIST.	EXISTING	P.S.F.	PER SQUARE FOOT		
EXT.	EXTERIOR	P.S.I.	PER SQUARE INCH		
F.D.	FLOOR DRAIN	PTD.	PAINTED		
FIN.	FINISH	P.V.C.	POLY VINYL CHLORIDE		
FL.	FLOOR				
F.O.	FACE OF				
FRP	FIBERGLASS REINFORCED PANELS				

GRAPHIC SYMBOLS

SECTION NUMBER / SHEET NUMBER — SECTION

ELEV. NUMBER / SHEET NUMBER — INTERIOR ELEV. INDICATOR

DETAIL NUMBER / SHEET NUMBER — DETAIL

PARTITION TYPE

DOOR MARK — DOOR

COLUMN REFERENCE GRIDS

KEY NOTE

EQUIPMENT TAG

FINISH NUMBER — FINISHES

ROOM NAME / ROOM NUMBER — ROOM

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DESIGN CODES

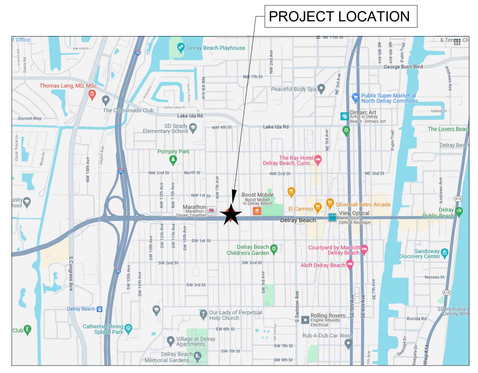
ARCHITECTURAL	FLORIDA BUILDING CODE (FBC-8th Ed.)2023
MECHANICAL	FLORIDA BUILDING CODE MECHANICAL 2023 8th Ed.
ELECTRICAL	NFPA 70 NATIONAL ELECTRICAL CODE 2023
PLUMBING CODE	FLORIDA BUILDING CODE PLUMBING 2023 8th ed.
LIFE SAFETY	NFPA 101 LIFE SAFETY CODE 2021 EDITION
ACCESSIBILITY CODE	FLORIDA BUILDING CODE ACCESSIBILITY 2023 8th. Ed.
FIRE PREVENTION	FFPC 8th. Edition 2023 (CONTAINS THE 2021 EDITION OF BOTH NFPA 1 & NFPA 101 W/ FLORIDA AMENDMENTS) FLORIDA ADMINISTRATIVE CODE (FAC) FLORIDA STATE STATUTE.

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SCOPE OF WORK

- EXISTING CORE & FOUNDATION
- NEW ROOF AND TRUSSESS
- NEW FINISHES PER FINISH PLAN AND INTERIOR ELEVATIONS
- NEW GRID & LIGHT FIXTURES PER RCP
- NEW PLUMBING PER PLUMBING PLANS
- NEW ELECTRICAL PER ELECTRICAL PLANS
- NEW MILLWORK AND EQUIPMENT
- NEW MECHANICAL PER MECHANICAL PLANS

LOCATION MAP



GENERAL NOTES:

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE BEST WORKMANSHIP PRACTICES OF THE CONSTRUCTION TRADE. ARCHITECT RESERVES THE RIGHT TO REJECT A MATERIAL OF WORK, WHICH DOES NOT CONFORM TO THESE STANDARDS.

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND OTHER APPLICABLE LOCAL AND NATIONAL CODES.

3. ALL MATERIALS FURNISHED ON THE SITE SHALL BE NEW AND STORED IN SUCH A MANNER AS TO PROTECT THEM FROM THE ELEMENTS. GENERAL CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF DEBRIS AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

4. THESE PLANS MAY BE USED ONLY UNDER SUCH CONDITIONS IN WHICH ALL APPLICABLE SAFETY LAWS, RULES AND REGULATIONS ARE BEING OBSERVED. COMPLIANCE IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

5. THE GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, SUPPLIES, EQUIPMENT AND SERVICES TO INCLUDE BUT NOT LIMITED TO GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND MECHANICAL WORK REQUIRED FOR COMPLETE AND OPERATIONAL JOB AS SHOWN AND/OR INDICATED ON THESE DRAWINGS.

6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND ALL WORK PROVIDED BY SUBCONTRACTORS OF THE VARIOUS TRADES.

7. SUBSTITUTIONS OR "APPROVED EQUALS" PRODUCTS SHALL BE LISTED AND APPROVED BY ARCHITECT. ALL MATERIALS SHALL BE ORDERED IN TIMELY FASHION AND WILL NOT CONSTITUTE REASON FOR SUBSTITUTION. DELAYS FOR MATERIALS WILL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.

8. THE ARCHITECT SHALL BE PROVIDED WITH SAMPLES, SUBMITTALS, SHOP DRAWINGS, FOR FIXED AND OPERABLE HURRICANE SHUTTERS, MILLWORK, FIREPLACE, WINDOWS AND DOORS, AND TRUSSES, ETC. THE DRAWINGS ARE FOR CONSTRUCTION. THE DIMENSIONS MAY VARY DO TO THE CONSTRUCTION PROCESS AND FIELD CONDITIONS. ALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION.

9. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE. DIMENSIONS MAY VARY ON SITE DUE TO THE CONSTRUCTION PROCESS AND FIELD CONDITIONS. DRAWINGS ARE NOT TO BE SCALED IN THE FIELD. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AT ONCE BEFORE PROCEEDING. CONTRACTOR SHALL BE RESPONSIBLE FOR WORK WHICH PROCEEDS WITHOUT DO COURSE AND COORDINATION.

10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, LICENSES AND TAXES, RELATED TO WORK.

11. SURFACES TO BE PAINTED SHALL BE FILLED, SEALED AND SANDED AS REQUIRED. COLORS TO BE SELECTED BY THE ARCHITECT. FOUR TEST SAMPLES SHALL BE MADE, PRIOR TO EXECUTION OF WORK. THE ARCHITECT SHALL ALSO SELECT COLORS OF READY-BUILT PRODUCTS.

12. GENERAL CONTRACTOR SHALL BE RESPONSIBLE THAT ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL DRAWINGS ARE EMPLOYED SIMULTANEOUSLY IN THE CONSTRUCTION OF THIS PROJECT. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

13. NO DEVIATIONS OF THESE PLANS ARE ALLOWED EXCEPT WITH WRITTEN CONSENT OF THE ARCHITECT.

14. BEFORE SUBMISSION OF BID, THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH THE EXISTING CONDITIONS.

DUNKIN BRANDS DATA

STORE DIMENSIONS:	SQ. FOOTAGE	SQ. FOOTAGE
STANDING SPACE - SALES AREA		80 SQ. FT.
SERVICE/KITCHEN PREP AREA		1,003 SQ. FT.
STANDING		36 SQ. FT.
WALK IN FREEZER	70 SQ. FT.	
WALK IN REFRIGERATOR AREA	98 SQ. FT.	
REFIG/ FREEZER COMBO AREA	168 SQ. FT.	
TOTAL:		1,119 SQ. FT.
REST ROOMS:		NUMBER
NUMBER OF RESTROOMS		1
PUBLIC ACCESS TO RESTROOMS		N
ACCESSIBLE REST ROOMS		Y
DRIVE-THRU:		
YES/NO		N
NUMBER OF DRIVE THRU WINDOWS		N/A
MENU BOARD SIZE (SINGLE, COMBO)		N/A
CAR LENGTHS FROM MENU TO WINDOW		N/A
STACKING (TOTAL # OF VEHICLES)		N/A
ESCAPE LANE		N/A
DRIVE THRU TIMER SYSTEM		N/A

SEATING:	
# OF TABLES	5
# OF SEATS	10
# OF BARRIER FREE SEATING UNITS	1
STAND UP COUNTERS (Y/N)	N
TOTAL # OF SEATS	10
IMAGE TYPE:	
SINGLE BRAND	SINGLE BRAND

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STATE OF FLORIDA · MICHAEL VENTURA · AR0016152 · REGISTERED ARCHITECT

A R 0 0 1 6 1 5 2

Digitally signed by MICHAEL VENTURA
Date: 2026.03.16 16:00:43 -04'00'

DUNKIN' - COOL PALETTE

540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

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5 01.06.2026 - fm ZONING COMMENTS

Drawn by:
JA

date:
09.09.2024

project # :
230636

CS-1.0

COVER SHEET

CONSTRUCTION SPECIFICATIONS:

SECTION 02 4116
STRUCTURE DEMOLITION

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. DEMOLITION OF DESIGNATED STRUCTURES.
  2. DEMOLITION OF FOUNDATIONS AND SLABS ON GRADE AS REQUIRED.
  3. DISCONNECTION AND CAPPING OR REMOVAL OF UTILITIES.
  4. DEMOLITION OF WALKS, PAVING, CURBS, GUTTERS, AND SITE IMPROVEMENTS.
  5. REMOVAL OF MATERIALS FROM SITE.

PART 2 PRODUCTS

NOT APPLICABLE

PART 3 EXECUTION

3.1 PREPARATION
- A. PRIOR TO BEGINNING DEMOLITION, VERIFY THAT:
  1. STRUCTURES ARE UNOCCUPIED AND REMOVED FROM SERVICE.
  2. TEMPORARY CONTROLS AND DEVICES ARE IN PLACE AND OPERATIONAL.
  3. UTILITIES ARE TEMPORARILY OR PERMANENTLY DISCONNECTED OR RELOCATED AS REQUIRED.
  4. ITEMS SALVAGED FOR OWNER ARE REMOVED AND STORED IN DESIGNATED AREA.

3.2 DEMOLITION
- A. DEMOLISH STRUCTURES IN ACCORDANCE WITH DEMOLITION PROCEDURES APPROVED BY ARCHITECT.
- B. SPRINKLE DEBRIS, AND USE TEMPORARY CLOSURES AS NECESSARY TO LIMIT DUST TO LOWEST PRACTICAL LEVEL.
- C. DO NOT USE WATER TO EXTENT CAUSING FLOODING, CONTAMINATED RUNOFF, OR ICING.
- D. BEGIN DEMOLITION AT TOP OF BUILDING AND PROCEED TO LOWEST LEVEL, NOT USING EXPLOSIVES.
- E. DEMOLISH STRUCTURE ABOVE EACH FLOOR LEVEL BEFORE DAMAGING SUPPORTING MEMBERS ON LOWER LEVELS.
- F. REMOVE SLABS AND FOUNDATIONS TO DEPTH INDICATED.

3.3 MATERIAL DISPOSAL
- A. SALVAGE: REMOVE, PROTECT, AND RELOCATE MATERIALS DESIGNATED TO REMAIN PROPERTY OF OWNER.
- B. DISPOSAL:
  1. MATERIALS, EQUIPMENT, AND DEBRIS RESULTING FROM DEMOLITION OPERATIONS BECOMES PROPERTY OF CONTRACTOR. REMOVE DEBRIS AS SOON AS PRACTICAL.
  2. COVER DEBRIS IN TRUCKS TO PREVENT SPILLAGE DURING TRANSPORTATION.
  3. DO NOT STORE OR BURN MATERIALS ON SITE.
  4. TRANSPORT DEBRIS TO OFF-SITE DISPOSAL AREA AND LEGALLY DISPOSE OF.

SECTION 03 3000
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. CAST-IN-PLACE CONCRETE FOR FOUNDATIONS AND SLABS ON GRADE.
  2. EQUIPMENT PADS.
  3. BASES FOR LIGHTING FIXTURES.

PART 2 PRODUCTS

2.2 MATERIALS
- A. PORTLAND CEMENT: ASTM C150, TYPE I OR III, GRAY COLOR.
- B. AGGREGATES:
  1. FINE: ASTM C33, CLEAN, HARD, DURABLE, UNCOATED NATURAL SAND, FREE FROM SILT, LOAM, AND CLAY.
  2. COARSE: ASTM C33, CLEAN, HARD, DURABLE, UNCOATED CRUSHED STONE, MAXIMUM SIZE 3/4 INCH.
- C. FLY ASH: ASTM C618, MAXIMUM 2 PERCENT LOSS ON IGNITION.

2.3 ACCESSORIES
- A. WATER: CLEAN AND POTABLE.
- B. ADMIXTURES:
  1. WATER REDUCING OR WATER REDUCING/SET RETARDING: ASTM C494, TYPE A OR D.
  2. AIR ENTRAINING: ASTM C260.
- C. EXPANSION JOINT FILLER: ASTM D1752, NON-ASPHALTIC TYPE.
- D. BONDING AGENT: TWO COMPONENT MODIFIED EPOXY RESIN.

2.4 MIXES
- A. PROPORTIONS: IN ACCORDANCE WITH ACI 301.
- B. DESIGN CONCRETE TO YIELD CHARACTERISTICS INDICATED ON DRAWINGS.
- C. AIR ENTRAINED CONCRETE: PROVIDE AIR ENTRAINING ADMIXTURE TO PRODUCE 4 TO 6 PERCENT AIR BY VOLUME OF CONCRETE.
- D. USE ACCELERATING ADMIXTURE IN COLD WEATHER ONLY WHEN APPROVED BY ARCHITECT. USE OF ADMIXTURES WILL NOT REDUCE COLD WEATHER PLACEMENT REQUIREMENTS.
- E. FLY ASH CONTENT: MINIMUM PERCENT BY WEIGHT OF CEMENTITIOUS MATERIAL IN MIX AS SHOWN ON DRAWINGS.
- F. THE MATERIAL(S) IN THE PRODUCT(S) SUPPLIED SHOULD HAVE A RECYCLED CONTENT SUCH THAT THE SUM OF THE POST-CONSUMER RECYCLED CONTENT PLUS ONE-HALF OF THE PRE-CONSUMER CONTENT CONSTITUTES AT LEAST 20 % OF THE TOTAL VALUE OF THE MATERIAL IN THE PROJECT.

PART 3 EXECUTION

3.1 PREPARATION
- A. NOTIFY TESTING LABORATORY MINIMUM 24 HOURS PRIOR TO PLACING CONCRETE.
- B. ACCURATELY POSITION ANCHOR BOLTS, SLEEVES, CONDUIT, INSERTS, AND ACCESSORIES. DO NOT USE REINFORCING STEEL TO FACILITATE INSTALLATION OF INSERTS OR ACCESSORIES.
- C. REMOVE WATER AND DEBRIS FROM FORMS AND EXCAVATIONS.
- D. CLOSE OPENINGS LEFT IN FORMS FOR CLEANING AND INSPECTION.

3.2 PLACEMENT OF CONCRETE
- A. PLACE CONCRETE IN ACCORDANCE WITH ACI 301 AND ACI 318.
- B. ENSURE REINFORCEMENT, INSERTS, AND EMBEDDED PARTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT.
- C. DEPOSIT CONCRETE AS NEARLY AS POSSIBLE IN ITS FINAL POSITION TO MINIMIZE HANDLING AND FLOWING.
- D. PLACE CONCRETE CONTINUOUSLY BETWEEN PREDETERMINED EXPANSION, CONTROL, AND CONSTRUCTION JOINTS.
- E. DO NOT PLACE PARTIALLY HARDENED, CONTAMINATED, OR RE-TEMPERED CONCRETE.
- F. DO NOT ALLOW CONCRETE TO FREE FALL OVER 8 FEET; PROVIDE TREMIES, CHUTES, OR OTHER MEANS OF CONVEYANCE.
- G. CONSOLIDATE CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT. HAND COMPACT IN CORNERS AND ANGLES OF FORMS.
- H. SCREED SLABS LEVEL, TO FLATNESS TOLERANCE OF 1/8 INCH IN 10 FEET.

3.3 PLACEMENT OF GROUT
- A. REMOVE LOOSE AND FOREIGN MATTER FROM CONCRETE; LIGHTLY ROUGHEN BONDING SURFACE.
- B. JUST PRIOR TO GROUTING, THOROUGHLY WET CONCRETE SURFACES; REMOVE EXCESS WATER.
- C. MIX GROUT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT RE-TEMPER.
- D. PLACE GROUT CONTINUOUSLY, BY MOST PRACTICAL MEANS; AVOID ENTRAPPED AIR. DO NOT VIBRATE GROUT.

3.4 PROTECTION
- A. IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY.
- B. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.
- C. PROVIDE ARTIFICIAL HEAT TO MAINTAIN TEMPERATURE OF CONCRETE ABOVE MINIMUM SPECIFIED TEMPERATURE FOR DURATION OF CURING PERIOD.
- D. KEEP FORMS SUFFICIENTLY WET TO PREVENT CRACKING OF CONCRETE OR LOOSENING OF FORM JOINTS.

3.5 CURING
- A. CURE CONCRETE IN ACCORDANCE WITH ACI 308:
  1. HORIZONTAL SURFACES:
     - a. SURFACES TO RECEIVE ADDITIONAL TOPPINGS OR SETTING BEDS: USE CURING PAPER METHOD.
     - b. OTHER SURFACES: USE EITHER CURING PAPER OR CURING COMPOUND METHOD.
  2. VERTICAL SURFACES: USE EITHER WET CURING OR CURING COMPOUND METHOD.
- B. CURING COMPOUND METHOD:
  1. SPRAY COMPOUND ON SURFACES IN TWO COATS, APPLYING SECOND AT RIGHT ANGLE TO FIRST, AT MINIMUM RATE RECOMMENDED BY MANUFACTURER.
  2. RESTRICT TRAFFIC ON SURFACES DURING CURING.
- C. CURING PAPER METHOD:
  1. SPREAD CURING PAPER OVER SURFACES, LAPPING ENDS AND SIDES MINIMUM 4 INCHES; MAINTAIN IN PLACE BY USE OF WEIGHTS.
  2. REMOVE PAPER AFTER CURING.
- D. WET CURING METHOD: SPRAY WATER OVER SURFACES AND MAINTAIN WET FOR 7 DAYS.

3.6 CLEANING
- A. REMOVE EFFLORESCENCE, STAINS, OIL, GREASE, AND FOREIGN MATERIALS FROM EXPOSED SURFACES.

3.7 FIELD QUALITY CONTROL
- A. TESTING AND INSPECTION SERVICES:
  1. CERTIFY EACH DELIVERY TICKET.
  2. RECORD TIME AT WHICH CONCRETE WAS DISCHARGED FROM TRUCK.
  3. MONITOR AND RECORD AMOUNT OF WATER AND WATER REDUCING ADMIXTURE ADDED TO CONCRETE AT PROJECT SITE.
  4. DETERMINE AMBIENT TEMPERATURE AND TEMPERATURE OF CONCRETE SAMPLE FOR EACH SET OF TEST CYLINDERS.
  5. TEST CYLINDERS:
     - a. MAKE TEST CYLINDERS IN ACCORDANCE WITH ASTM C172; ONE SET OF 3 CYLINDERS FOR EACH 100 CUBIC YARDS OR FRACTION THEREOF PLACED IN ANY ONE DAY, FOR EACH DIFFERENT CLASS OF CONCRETE.
     - b. MOLD AND CURE CYLINDERS IN ACCORDANCE WITH ASTM C31; TEST CYLINDERS IN ACCORDANCE WITH ASTM C39: ONE AT 7 DAYS AND TWO AT 28 DAYS.
  6. SLUMP TESTS: MAKE SLUMP TESTS AT BEGINNING OF EACH DAY'S PLACEMENT AND FOR EACH SET OF TEST CYLINDERS IN ACCORDANCE WITH ASTM C143.
  7. AIR CONTENT: DETERMINE TOTAL AIR CONTENT OF AIR ENTRAINED CONCRETE FOR EACH STRENGTH TEST IN ACCORDANCE WITH ASTM C231.

SECTION 04 2000
UNIT MASONRY

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. CONCRETE UNIT MASONRY.

PART 2 PRODUCTS

2.1 MATERIALS
- A. CONCRETE MASONRY UNITS:
  1. ASTM C90, HOLLOW LOAD BEARING TYPE, NORMAL WEIGHT.
  2. SIZE: NOMINALLY 8 INCHES HIGH X 16 INCHES LONG X THICKNESS INDICATED ON DRAWINGS.

2.2 ACCESSORIES
- A. SINGLE WYTHE JOINT REINFORCEMENT:
  1. TRUSS TYPE; ASTM A951, HOT-DIP GALVANIZED STEEL WIRE, 9 GAGE SIDE RODS WITH 9 GAGE CROSS TIES.
  2. WIDTH: NOMINAL WALL THICKNESS LESS 1-1/2 INCHES.
  3. CORNER AND TEE FITTINGS: TYPE TO MATCH REINFORCEMENT.
  4. RECYCLED CONTENT: MINIMUM PERCENT RECYCLED STEEL, WITH MINIMUM PERCENT CLASSIFIED AS POST-CONSUMER - AS INDICATED ON DRAWINGS.
- B. REINFORCING BARS:
  1. ASTM A615/A615M, DEFORMED BILLET STEEL, GRADE 60.
  2. RECYCLED CONTENT: MINIMUM 75 PERCENT RECYCLED STEEL, WITH MINIMUM 40 PERCENT CLASSIFIED AS POST-CONSUMER.
- C. JOINT SEALER: SPECIFIED IN SECTION 07 9200.

PART 3 EXECUTION

3.1 PREPARATION
- A. REMOVE DIRT, LOOSE RUST, AND OTHER FOREIGN MATTER FROM REINFORCEMENT AND ANCHORS.

3.2 INSTALLATION
- A. ESTABLISH LINES, LEVELS AND COURSES INDICATED. PROTECT FROM DISPLACEMENT.
- B. MAINTAIN MASONRY COURSES TO UNIFORM DIMENSIONS. FORM HORIZONTAL AND VERTICAL JOINTS OF UNIFORM THICKNESS.
- C. LAY CONCRETE MASONRY IN RUNNING BOND. COURSE ONE MASONRY UNIT AND ONE MORTAR JOINT TO EQUAL 8 INCHES.
- D. LAY MASONRY PLUMB AND LEVEL. DO NOT ADJUST MASONRY UNITS AFTER MORTAR HAS SET.
- E. DO NOT BUTTER CORNERS OR EXCESSIVELY FURROW JOINTS.
- F. MACHINE CUT MASONRY WITH STRAIGHT CUTS AND CLEAN EDGES; PREVENT OVERSIZED OR UNDERSIZED JOINTS. DISCARD DAMAGED UNITS. DO NOT EXPOSE CUT CELLS.
- G. ISOLATE MASONRY FROM STRUCTURAL MEMBERS WITH COMPRESSIBLE FILLER.
- H. WHEN JOINING FRESH MASONRY TO PARTIALLY SET MASONRY, REMOVE LOOSE MASONRY AND MORTAR; CLEAN AND LIGHTLY WET EXPOSED SURFACE OF SET MASONRY.
- I. STOP HORIZONTAL RUNS BY RACKING BACK NORMAL BOND UNIT IN EACH COURSE. TOOTHING NOT PERMITTED.
- J. CONTROL AND EXPANSION JOINTS:
  1. DO NOT CONTINUE HORIZONTAL JOINT REINFORCEMENT THROUGH JOINTS.
  2. KEEP JOINTS FREE FROM MORTAR AND GROUT.
  3. INSTALL JOINT BACKING AND JOINT SEALER AT CONTROL JOINTS IN ACCORDANCE WITH SECTION 07 9200.
  4. FORM EXPANSION JOINT AS INDICATED ON DRAWINGS.

SECTION 05 1200
STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. STRUCTURAL STEEL FRAMING MEMBERS.
  2. GROUTING BASE PLATES.

1.3 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. REGIONAL MATERIALS.
  2. RECYCLED CONTENT:
     - I. INDICATE RECYCLED CONTENT; INDICATE PERCENTAGE OF PRE-CONSUMER AND POSTCONSUMER RECYCLED CONTENT PER UNIT OF PRODUCT.
     - II. INDICATE RELATIVE DOLLAR VALUE OF RECYCLED CONTENT PRODUCT TO TOTAL DOLLAR VALUE OF PRODUCT INCLUDED IN PROJECT.
     - III. IF RECYCLED CONTENT PRODUCT IS PART OF AN ASSEMBLY, INDICATE THE PERCENTAGE OF RECYCLED CONTENT PRODUCT IN THE ASSEMBLY BY WEIGHT.
     - IV. IF RECYCLED CONTENT PRODUCT IS PART OF AN ASSEMBLY, INDICATE RELATIVE DOLLAR VALUE OF RECYCLED CONTENT PRODUCT TO TOTAL DOLLAR VALUE OF ASSEMBLY.

PART 1 PRODUCTS

1.1 MATERIALS
- A. STEEL:
  1. SHAPES, BARS, AND PLATES: ASTM A36/A36M, GRADE 50.
  2. PIPE: ASTM A53/A53M, GRADE B.
  3. RECYCLED CONTENT: MINIMUM [25] PERCENT, WITH MINIMUM [20] PERCENT CLASSIFIED AS POST CONSUMER AND MINIMUM [5] PERCENT CLASSIFIED AS PRE-CONSUMER.

1.2 FABRICATION
- A. FABRICATE STRUCTURAL STEEL IN ACCORDANCE WITH AISC MANUAL.

PART 2 EXECUTION

2.1 ERECTION OF STEEL FRAMING
- A. ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATIONS.
- B. ACCURATELY ASSEMBLE TO LINES AND ELEVATIONS INDICATED, WITHIN SPECIFIED ERECTION TOLERANCES.
- C. ALIGN BEARING PLATES WITH LEVELING PLATES.
- D. CLEAN BEARING SURFACES AND SURFACES THAT WILL BE IN PERMANENT CONTACT BEFORE MEMBERS ARE ASSEMBLED.
- E. LOCATE SPLICES ONLY WHERE INDICATED.
- F. INSTALLATION TOLERANCES:
  1. MAXIMUM VARIATION FROM LEVEL: 1/4 INCH IN 10 FEET, NONCUMULATIVE.
  2. MAXIMUM OFFSET FROM ALIGNMENT OF ADJACENT MEMBERS: 1/4 INCH.

SECTION 05 5000
METAL FABRICATIONS

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. LADDERS.
  2. BOLLARDS.

1.3 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. REGIONAL MATERIALS.
  2. RECYCLED CONTENT
     - I. PRODUCT DATA FOR CREDIT: INDICATING PERCENTAGES BY WEIGHT OF POSTCONSUMER AND PRE CONSUMER RECYCLED CONTENT FOR PRODUCTS HAVING RECYCLED CONTENT.

PART 1 PRODUCTS

1.1 MATERIALS - STEEL
- A. SHAPES: ASTM A36/A36M.
- B. PIPE BOLLARDS: ASTM A53.
  1. 4" DIAMETER THICKNESS, .432 WEIGHT PER FOOT, 28.57 LBS., A.S.A. SCHEDULE 80.
- C. BARS: ASTM A108.
- D. RECYCLED CONTENT: POSTCONSUMER RECYCLED CONTENT PLUS ONE-HALF OF PRE CONSUMER RECYCLED CONTENT NOT LESS THAN [20] PERCENT.

1.1 FABRICATION
- A. GRIND EXPOSED JOINTS FLUSH AND SMOOTH WITH ADJACENT FINISH SURFACE. MAKE EXPOSED JOINTS BUTT TIGHT, FLUSH, AND HAIRLINE. EASE EXPOSED EDGES TO SMALL UNIFORM RADIUS.
- B. SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE OF FABRICATIONS. FABRICATE ANCHORS AND RELATED COMPONENTS OF SAME MATERIAL AND FINISH AS FABRICATION, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
- C. CONCEAL FASTENINGS WHERE POSSIBLE.

1.2 FINISHES
- A. EXTERIOR FERROUS METAL: GALVANIZED; ASTM A123/A123M, TO 1.3 OUNCES PER SQUARE FOOT.

PART 2 EXECUTION

2.1 INSTALLATION
- A. INSTALL COMPONENTS PLUMB, LEVEL, AND RIGID.

2.2 SCHEDULE
- A. LADDERS:
  - I. SIDE RAILS: CONTINUOUS STEEL FLAT BARS, 1/2 X 2-1/2 INCHES, EASED EDGES, SPACED 18 INCHES APART.
  - II. RUNGS: ROUND STEEL BARS, 3/4 INCH DIAMETER, SPACED 12 INCHES ON CENTER. FIT RUNGS IN CENTERLINE OF SIDE RAILS AND PLUG WELD ON OUTER RAIL FACE.
  - III. SUPPORT LADDERS AT TOP, BOTTOM, AND AT INTERMEDIATE POINTS SPACED MAXIMUM 5'-0" ON CENTER WITH STEEL BRACKETS, BOLTED TO SUPPORTS.
- B. BOLLARDS:
  - I. FABRICATE FROM STEEL PIPE OF SIZES INDICATED.
  - II. SET INTO CONCRETE FOOTING.
  - III. FILL PIPE WITH CONCRETE; ROD TO CONSOLIDATE. DOME TOP TO SHED WATER.
  - IV. PIPE TO BE FILLED WITH CONCRETE TO A 1.5 INCH DOME TOP GROUND SMOOTH. CONCRETE TO PROVIDE A MINIMUM OF 3000 P.S.I. COMPRESSIVE STRENGTH.
  - V. PIPE TO BE PRIMED WITH ONE COAT OF METAL PRIMER IRON CLAD GALVANIZED AND PROVIDED WITH A PLASTIC SLEEVE - SEE NATIONAL ACCOUNTS.
  - VI. ALL PIPE BOLLARDS SHOULD BE PLACED A MINIMUM OF 18" BELOW FINISH GRADE, HAVE A MINIMUM HEIGHT OF 36" INCHES ABOVE FINISHED GRADE AND SPACED AS SHOWN ON SITE DRAWINGS.

SECTION 06 1100
FRAMING AND SHEATHING

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. ROOF AND WALL FRAMING.
  2. ROOF AND WALL SHEATHING.
  3. WOOD BLOCKING AND FURRING.

1.3 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. MATERIALS REUSE.
  2. RECYCLED CONTENT.
  3. REGIONAL MATERIALS.
  4. RAPIDLY RENEWABLE MATERIALS.
  5. LOW-EMITTING MATERIALS.
  6. CERTIFIED WOOD.

1.4 QUALITY ASSURANCE
- A. LUMBER GRADING AGENCY: CERTIFIED TO NIST PS 20.
- B. IDENTIFY LUMBER AND SHEET PRODUCTS BY OFFICIAL GRADE MARK.

1.5 DELIVERY, STORAGE AND HANDLING
- A. STORE MATERIALS MINIMUM 6 INCHES ABOVE GROUND ON FRAMEWORK OR BLOCKING AND COVER WITH PROTECTIVE WATERPROOF COVERING PROVIDING FOR ADEQUATE AIR CIRCULATION.
- B. DO NOT STORE SEASONED OR TREATED MATERIALS IN DAMP LOCATION.
- C. PROTECT EDGES AND CORNERS OF SHEET MATERIALS FROM DAMAGE.

PART 2 PRODUCTS

2.1 MATERIALS
- A. DIMENSION LUMBER:
  1. GRADING RULES: NELMA, SPIB OR WWPA.
  2. GRADE: #2 OR SELECT STRUCTURAL.
  3. SURFACING: SURFACED FOUR SIDES (S4S).
  4. MAXIMUM MOISTURE CONTENT: 19 PERCENT.
  5. FINGER JOINTED, MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
  6. CERTIFIED TO FSC STD-04-004.
- B. LAMINATED VENEER LUMBER:
  1. FABRICATED BY LAMINATING WOOD VENEERS UNDER PRESSURE USING EXTERIOR TYPE ADHESIVE WITH GRAIN OF VENEERS PARALLEL WITH LENGTH.
  2. VENEER: DOUGLAS FIR OR SOUTHERN PINE.
  3. MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
  4. CERTIFIED TO FSC STD-04-004.
- C. SHEET PRODUCTS:
  1. TYPE: APA PLYWOOD OR ORIENTED STRAND BOARD.
  2. PANEL GRADE:
     - a. WALL AND ROOF SHEATHING: APA RATED SHEATHING.
  3. EXPOSURE:
     - a. EXTERIOR APPLICATIONS: EXPOSURE 1.
     - b. INTERIOR APPLICATIONS: INTERIOR.
  4. RAPIDLY RENEWABLE PRODUCT MADE FROM CHOPPED STRAW, MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
  5. CERTIFIED TO FSC STD-04-004.

PART 3 EXECUTION

3.1 INSTALLATION
- A. SET MEMBERS LEVEL, PLUMB, AND RIGID.
- B. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
- C. PLACE BEAMS, JOISTS, AND RAFTERS WITH CROWN EDGE UP.
- D. CONSTRUCT LOAD BEARING FRAMING MEMBERS FULL LENGTH WITHOUT SPLICES.
- E. STUD FRAMING:
  1. PROVIDE SINGLE BOTTOM PLATE AND DOUBLE TOP PLATES FOR LOAD BEARING PARTITIONS.
  2. PROVIDE SINGLE BOTTOM AND TOP PLATES FOR NON-LOAD BEARING PARTITIONS.
  3. ANCHOR BOTTOM PLATES TO CONCRETE STRUCTURE WITH ANCHOR BOLTS.
  4. TRIPLE STUDS AT CORNERS AND PARTITION INTERSECTIONS.
  5. FRAME OPENINGS WITH DOUBLE STUDS AND HEADERS. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.
- F. PROVIDE BLOCKING, NAILERS, GROUNDS, FURRING, AND OTHER SIMILAR ITEMS REQUIRED TO RECEIVE AND SUPPORT WORK.
- G. PROVIDE ADEQUATE BLOCKING FOR ALL WALL-MOUNTED UNITS IN ACCORDANCE WITH PLANS.

3.2 TOLERANCES
- A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.

SECTION 06 4100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. SPECIAL FABRICATED CABINET UNITS.
  2. PLASTIC LAMINATE COUNTERTOPS.

1.3 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. MATERIALS REUSE.
  2. RECYCLED CONTENT.
  3. REGIONAL MATERIALS.
  4. RAPIDLY RENEWABLE MATERIALS.
  5. LOW-EMITTING MATERIALS.
  6. CERTIFIED WOOD.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS - PLASTIC LAMINATE:
  1. FORMICA CORP. (WWW.FORMICA.COM)
  2. WILSONART INTERNATIONAL, INC. (WWW.WILSONART.COM)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 MATERIALS
- A. LUMBER:
  1. GRADED IN ACCORDANCE WITH AWI/AWMAC/WI ARCHITECTURAL WOODWORK STANDARDS, SECTION 3 REQUIREMENTS FOR QUALITY GRADE SPECIFIED, AVERAGE MOISTURE CONTENT OF 6 PERCENT.
  2. EXPOSED AND SEMI-EXPOSED LOCATIONS: CLOSED GRAIN HARDWOOD, OF QUALITY SUITABLE FOR OPAQUE FINISH.
- B. PLASTIC LAMINATE: NEMA LD-3.
  1. HIGH PRESSURE DECORATIVE LAMINATE:
     - a. HORIZONTAL SURFACES:
       1) BACKING SHEET: 3 /4 INCH INT-APA A-D PLYWOOD.
     - b. VERTICAL SURFACES:
       1) BACKING SHEET: 25/32 INCH EXTERIOR GRADE PLYWOOD.
  2. COLORS
     - a. FORMICA #459-58 "BRIGHT WHITE" MATTE FINISH
     - b. FORMICA #909-58 "BLACK" MATTE FINISH
     - c. WILSONART #7560K-18 "STUDIO TEAK" LINEARITY FINISH

2.3 ACCESSORIES
- A. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE.
- B. ADHESIVES:
  1. WATERPROOF, WATER BASED TYPE, COMPATIBLE WITH BACKING AND LAMINATE MATERIALS.
  2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 70 GRAMS PER LITER.
- C. FINISH HARDWARE: AS SCHEDULED AT END OF SECTION.

2.4 FABRICATION
- A. PLASTIC LAMINATE COUNTERTOPS:
  1. QUALITY: AWI/AWMAC/WI ARCHITECTURAL WOODWORK STANDARDS, SECTION 11, PREMIUM GRADE.
  2. FABRICATE FROM SHEET PRODUCT WITH LUMBER FRONTS.
  3. PROVIDE HOLES AND CUTOUTS FOR MOUNTING OF ACCESSORIES.
- B. SHOP ASSEMBLE FOR DELIVERY TO PROJECT SITE IN UNITS EASILY HANDLED.
- C. PRIOR TO FABRICATION, FIELD VERIFY DIMENSIONS TO ENSURE CORRECT FIT.
- D. APPLY PLASTIC LAMINATE IN FULL UNINTERRUPTED SHEETS; FIT CORNERS AND JOINTS TO HAIRLINE. SLIGHTLY BEVEL ARISES. APPLY LAMINATE BACKING SHEET TO REVERSE SIDE OF LAMINATE FACED SURFACES.
- E. WHERE FIELD FITTING IS REQUIRED, PROVIDE AMPLE ALLOWANCE FOR CUTTING. PROVIDE TRIM FOR SCRIBING AND SITE CONDITIONS.
- F. PROVIDE CUTOUTS AND REINFORCEMENT FOR PLUMBING, ELECTRICAL, APPLIANCES, AND ACCESSORIES. PRIME PAINT SURFACES OF CUT EDGES.

PART 3 EXECUTION

3.1 INSTALLATION
- A. INSTALL IN ACCORDANCE WITH AWI/AWMAC/WI ARCHITECTURAL WOODWORK STANDARDS.
- B. SET PLUMB, RIGID AND LEVEL.
- C. SCRIBE TO ADJACENT CONSTRUCTION WITH MAXIMUM 1/8 INCH GAPS.
- D. FILL JOINTS BETWEEN TOPS AND ADJACENT CONSTRUCTION WITH JOINT SEALER AS SPECIFIED IN SECTION 07 9200; FINISH FLUSH.

3.2 FINISH HARDWARE SCHEDULE
- A. SHELVES SHALL BE INSTALLED ON HEAVY DUTY, ADJUSTABLE KNIFE BRACKETS, KNAPE & VOGT NO. 180-12, AND KNAPE & VOGT NO. 80 STANDARDS, AS NOTED ON DRAWINGS. STANDARDS AND BRACKETS TO BE STEEL WITH ANOCHROME FINISH. ISOLATED, INDIVIDUAL SHELVES SHALL BE MOUNTED DIRECTLY TO THE WALL WITH KNAPE & VOGT NO. 204 STEEL BRACKETS, ANOCHROME FINISH, AND LENGTH AS SHOWN ON THE DRAWINGS.

SECTION 06 4600
WOOD TRIM

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. INTERIOR WOOD TRIM.

1.2 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. MATERIALS REUSE.
  2. REGIONAL MATERIALS.
  3. LOW-EMITTING MATERIALS.
  4. CERTIFIED WOOD.

1.3 DELIVERY, STORAGE AND HANDLING
- A. DO NOT DELIVER MATERIALS UNTIL PROPER PROTECTION CAN BE PROVIDED, AND UNTIL NEEDED FOR INSTALLATION.

1.4 PROJECT CONDITIONS
- A. ENVIRONMENTAL REQUIREMENTS: MAINTAIN FOLLOWING CONDITIONS IN BUILDING FOR MINIMUM 7 DAYS PRIOR TO, DURING, AND AFTER INSTALLATION OF INTERIOR TRIM:
  1. TEMPERATURE: 60 TO 80 DEGREES F.
  2. HUMIDITY: 43 TO 70 PERCENT.

PART 2 PRODUCTS

2.1 MATERIALS
- A. INTERIOR TRIM:
  1. GRADED IN ACCORDANCE WITH AWI/AWMAC/WI ARCHITECTURAL WOODWORK STANDARDS, SECTION 3 REQUIREMENTS FOR QUALITY GRADE SPECIFIED, AVERAGE MOISTURE CONTENT OF 6 PERCENT.
  2. MAPLE SPECIES, NO. 1 SELECT, OF QUALITY SUITABLE FOR OPAQUE AND TRANSPARENT FINISHES.

2.2 ACCESSORIES
- A. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE; PLAIN STEEL FOR INTERIOR USE; HOT DIP GALVANIZED STEEL FOR EXTERIOR USE.
- B. ADHESIVES:
  1. WATERPROOF, WATER BASED TYPE, COMPATIBLE WITH TRIM AND SUBSTRATE MATERIALS.
  2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 30 GRAMS PER LITER.
- C. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE; PLAIN STEEL FOR INTERIOR USE; HOT DIP GALVANIZED STEEL FOR EXTERIOR USE.

2.3 FINISHES
- A. FACTORY FINISHING:
  1. PAINT OR STAIN AS INDICATED ON DRAWINGS.

PART 3 EXECUTION

3.1 PREPARATION
- A. PRIOR TO INSTALLATION, CONDITION WOOD TO AVERAGE HUMIDITY THAT WILL PREVAIL AFTER INSTALLATION.

3.2 INSTALLATION
- A. INSTALL IN ACCORDANCE WITH AWI/AWMAC/WI ARCHITECTURAL WOODWORK STANDARDS.
- B. INSTALL IN LONGEST PRACTICAL LENGTHS.
- C. SET PLUMB AND LEVEL.
- D. MITER ENDS, CORNERS, AND INTERSECTIONS.
- E. SCRIBE TO ADJACENT CONSTRUCTION WITH MAXIMUM 1/8 INCH GAPS.
- F. FASTEN OR ADHERE TO SUPPORTING CONSTRUCTION.

SECTION 07 2113
THERMAL INSULATION

PART 1 GENERAL

SCHEDULE 0 - SECTION INCLUDES

PRODUCT DATA SHEET 0 - CONTINUOUS INSULATION FOR WALLS:
- 1.1 THERMASHEATH-SI.
- 1.2 THERMASHEATH-3.
- 1.3 THERMASHEATH-XP.
- 1.4 R-MATTE PLUS-3.

PRODUCT DATA SHEET 1 - FLASHINGS AND TAPES.

PRODUCT DATA SHEET 2 - INSULATION CLIPS.

PRODUCT DATA SHEET 3 - NAILBOARD FASTENERS.

PRODUCT DATA SHEET 4 - RAINSCREEN METAL PANEL SYSTEM.

SCHEDULE 1 - SUBMITTALS

PRODUCT DATA SHEET 0 - SUBMIT UNDER PROVISIONS OF SECTION 01 3000 - ADMINISTRATIVE REQUIREMENTS.

PRODUCT DATA SHEET 1 - PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
- 1.1 PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.
- 1.2 STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS.
- 1.3 INSTALLATION METHODS.

PRODUCT DATA SHEET 2 - SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION LAYOUTS OF METAL WALL PANELS; DETAILS OF EDGE CONDITIONS, JOINTS, PANEL PROFILES, CORNERS, ANCHORAGES, ATTACHMENT SYSTEM, TRIM, FLASHINGS, CLOSURES, AND ACCESSORIES; AND SPECIAL DETAILS.
- 1.1 ACCESSORIES: INCLUDE DETAILS OF ALL INTEGRAL PANEL COMPONENTS AND THEIR INTERFACE WITH ADJACENT MATERIALS

CONSTRUCTION SPECIFICATIONS:

SECTION 07 2113
THERMAL INSULATION
(CONTINUED)

2.1 COMPLIANCE:
A. ASTM C1289 TYPE I, CLASS 1 POLYISO.
B. INTERNATIONAL RESIDENTIAL CODE (IRC).
C. INTERNATIONAL BUILDING CODE (IBC) TYPE V CONSTRUCTION.
D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
E. ASHRAE 90.1.
F. DRJ TER 1207-01.
G. STRUCTURAL:
1. ASTM E72, ASTM E564, ASTM 2126 AND SBCRI SINGLE ELEMENT LATERAL LOAD TESTING.
H. TESTED PER NFPA 286 TO COMPLY WITH ICC-ES AC12 APPENDIX B
I. WATER-RESISTIVE BARRIER (WRB) PER AC71 (ASTM E331, AATCC TEST METHOD 127)
J. AIR BARRIER MATERIAL PER ASTM E2178
K. 1,2,3 OR 4 HOUR FIRE RATED ASSEMBLIES AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY:
1. DESIGN NO: U026, U326, U330, U354, U424, U460, U902, U904, U905, U906, U907, V454, V499
2.2 DENSITY (NOMINAL) IN ACCORDANCE WITH ASTM D1622: 2.0 PCF.
2.3 COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM D1621: 20 PSI.
2.4 FLAME SPREAD IN ACCORDANCE WITH ASTM E84: 75 OR LESS.
2.5 SMOKE DEVELOPED IN ACCORDANCE WITH ASTM E84: 450 OR LESS.
2.6 WATER VAPOR TRANSMISSION IN ACCORDANCE WITH ASTM E96: LESS THAN 0.03 PERMS.
2.7 WATER ABSORPTION IN ACCORDANCE WITH ASTM C209: LESS THAN 0.2 PERCENT BY VOLUME.
2.8 DIMENSIONAL STABILITY IN ACCORDANCE WITH ASTM D2126: LESS THAN 2 PERCENT LINEAR CHANGE.
2.9 AIR PERMEANCE IN ACCORDANCE WITH ASTM E2178: LESS THAN 0.02 L/(S.M2)
2.10 SERVICE TEMPERATURE: -40 DEGREE F TO +250 DEGREE F (-38 DEGREE C TO 121 DEGREE C).
2.11 THICKNESS: 0.5 INCHES (13MM).
A. THERMAL RESISTANCE (R): 3.2.
2.12 THICKNESS: 0.75 INCHES (19MM).
A. THERMAL RESISTANCE (R): 5.0.
2.13 THICKNESS: 1.0 INCHES (25MM).
A. THERMAL RESISTANCE (R): 6.0.

PRODUCT DATA SHEET 2 - THERMASHEATH-3: CLOSED-CELL POLYISOCYANURATE INSULATION WITH REINFORCED FOIL FACER ON EACH SIDE.

2.1 COMPLIANCE:
A. ASTM C1289 TYPE I, CLASS 1
B. ASHRAE 90.1.
C. INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
D. INTERNATIONAL BUILDING CODE (IBC) SECTION 2603, FOAM PLASTIC.
E. DRJ TER 1309-03.
F. ESR-1864, ICC EVALUATION SERVICE.
G. MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
H. RR 25322, CITY OF LOS ANGELES RESEARCH REPORT.
I. CALIFORNIA CODE OF REGULATIONS, TITLE 24.
J. CANADIAN CONSTRUCTION MATERIALS CENTRE EVALUATION #CCMC 13381-L MANUFACTURED TO CONFORM TO CAN/ULC-S704-03 TYPE 1, CLASS 1.
K. AIR BARRIER MATERIAL PER ASTM E2178.
L. 1,2,3 OR 4 HOUR FIRE RATED ASSEMBLIES AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY:
1. DESIGN NO: U026, U326, U330, U354, U424, U460, U902, U904, U905, U906, U907, V454, V499
2.2 DENSITY (NOMINAL) IN ACCORDANCE WITH ASTM D1622: 2.0 PCF.
2.3 COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM D1621: 20 PSI.
2.4 FLAME SPREAD IN ACCORDANCE WITH ASTM E84: 75 OR LESS.
2.5 SMOKE DEVELOPED IN ACCORDANCE WITH ASTM E84: 450 OR LESS.
2.6 WATER VAPOR TRANSMISSION IN ACCORDANCE WITH ASTM E96: LESS THAN 0.3 PERMS.
2.7 WATER ABSORPTION IN ACCORDANCE WITH ASTM C209: LESS THAN 0.2 PERCENT BY VOLUME.
2.8 DIMENSIONAL STABILITY IN ACCORDANCE WITH ASTM D2126: LESS THAN 2 PERCENT LINEAR CHANGE.
2.9 AIR PERMEANCE IN ACCORDANCE WITH ASTM E2178: LESS THAN 0.02 L/(S.M2)
2.10 SERVICE TEMPERATURE: -40 DEGREE F TO +250 DEGREE F (-38 DEGREE C TO 121 DEGREE C).
2.11 THICKNESS: 0.5 INCHES (13MM).
A. THERMAL RESISTANCE (R): 3.2.
2.12 THICKNESS: 0.75 INCHES (19MM).
A. THERMAL RESISTANCE (R): 5.0.
2.13 THICKNESS: 1.0 INCHES (25MM).
A. THERMAL RESISTANCE (R): 6.0.
2.14 THICKNESS: 1.5 INCHES (38MM).
A. THERMAL RESISTANCE (R): 9.6.
2.15 THICKNESS: 2.0 INCHES (51MM).
A. THERMAL RESISTANCE (R): 13.1.

PRODUCT DATA SHEET 3 - THERMASHEATH-XP: CLOSED-CELL POLYISOCYANURATE (POLYISO) FOAM, WHICH IS BONDED ON BOTH SIDES WITH HIGHLY DURABLE, EMBOSSED ALUMINUM FACERS. ONE SIDE HAS A WHITE MODIFIED ACRYLIC COATING AND THE OTHER SIDE HAS A REFLECTIVE SURFACE WITH A CLEAR COATING. .

2.1 COMPLIANCE:
A. ASTM C1289 TYPE I, CLASS 1
B. INTERNATIONAL RESIDENTIAL CODE (IRC).
C. INTERNATIONAL BUILDING CODE (IBC) SECTION 2603, FOAM PLASTIC.
D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
E. ASHRAE 90.1.
F. CALIFORNIA CODE OF REGULATIONS, TITLE 24
G. AIR BARRIER MATERIAL PER ASTM E2178.
H. CLASS A FLAME SPREAD AND SMOKE DEVELOPED INDICES PER IBC CHAPTER 8, INTERIOR FINISHES.
I. TESTED PER UL1715 TO COMPLY WITH IBC SECTION 2603, SPECIAL APPROVAL PARAGRAPH:
1. UP TO 12 INCHES ON CEILINGS.
2. UP TO 4.5 INCHES ON WALLS.
J. 1,2,3 OR 4 HOUR FIRE RATED ASSEMBLIES AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY:
1. DESIGN NO: U026, U326, U330, U354, U424, U460, U902, U904, U905, U906, U907, V454 AND V499.
2.2 DENSITY (NOMINAL) IN ACCORDANCE WITH ASTM D1622: 2.0 PCF.
2.3 COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM D1621: 20 PSI.
2.4 FLAME SPREAD IN ACCORDANCE WITH ASTM E84: 25 OR LESS.
2.5 SMOKE DEVELOPED IN ACCORDANCE WITH ASTM E84: 450 OR LESS.
2.6 WATER VAPOR TRANSMISSION IN ACCORDANCE WITH ASTM E96: LESS THAN 0.03 PERMS.
2.7 WATER ABSORPTION IN ACCORDANCE WITH ASTM C209: LESS THAN 0.2 PERCENT BY VOLUME.
2.8 DIMENSIONAL STABILITY IN ACCORDANCE WITH ASTM D2126: LESS THAN 2 PERCENT LINEAR CHANGE.
2.9 SERVICE TEMPERATURE: -40 DEGREE F TO +250 DEGREE F (-38 DEGREE C TO 121 DEGREE C).
2.10 THICKNESS: 0.75 INCHES (19MM).
A. THERMAL RESISTANCE (R): 5.0.
2.11 THICKNESS: 1.0 INCHES (25MM).
A. THERMAL RESISTANCE (R): 6.0.

PRODUCT DATA SHEET 4 - R-MATTE PLUS-3: CLOSED-CELL POLYISOCYANURATE INSULATION WITH REINFORCED FOIL FACER ON EACH SIDE; REFLECTIVE ON ONE SIDE AND NON-GLARE MATTE ON THE OTHER SIDE.

2.1 COMPLIANCE:
A. ASTM C1289 TYPE I, CLASS 1.
B. ASHRAE 90.1.
C. INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
D. INTERNATIONAL BUILDING CODE (IBC) SECTION 2603, FOAM PLASTIC
E. MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
F. CALIFORNIA CODE OF REGULATIONS, TITLE 24.
G. AIR BARRIER MATERIAL PER ASTM E2178.
2.2 DENSITY (NOMINAL) IN ACCORDANCE WITH ASTM D1622: 2.0 PCF.
2.3 COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM D1621: 20 PSI.
2.4 FLAME SPREAD IN ACCORDANCE WITH ASTM E84: 75 OR LESS.
2.5 SMOKE DEVELOPED IN ACCORDANCE WITH ASTM E84: 450 OR LESS.
2.6 WATER VAPOR TRANSMISSION IN ACCORDANCE WITH ASTM E96: LESS THAN 0.3 PERMS.
2.7 WATER ABSORPTION IN ACCORDANCE WITH ASTM C209: LESS THAN 1 PERCENT BY VOLUME.
2.8 DIMENSIONAL STABILITY IN ACCORDANCE WITH ASTM D2126: LESS THAN 2 PERCENT LINEAR CHANGE.
2.9 AIR PERMEANCE IN ACCORDANCE WITH ASTM E2178: LESS THAN 0.02 L/(S.M2)
2.10 SERVICE TEMPERATURE: -40 DEGREE F TO +250 DEGREE F (-38 DEGREE C TO 121 DEGREE C).
2.11 THICKNESS: 0.5 INCHES (13MM).
A. THERMAL RESISTANCE (R): 3.2.
2.12 THICKNESS: 0.75 INCHES (19MM).
A. THERMAL RESISTANCE (R): 5.0.
2.13 THICKNESS: 1.0 INCHES (25MM).
A. THERMAL RESISTANCE (R): 6.0.
2.14 THICKNESS: 1.5 INCHES (38MM).
A. THERMAL RESISTANCE (R): 9.6.
2.15 THICKNESS: 2.0 INCHES (51MM).
A. THERMAL RESISTANCE (R): 13.1.

PRODUCT DATA SHEET 5 - DURASHEATH-3: CLOSED-CELL POLYISOCYANURATE INSULATION WITH AN INORGANIC COATING

PRODUCT DATA SHEET 6 - WALL PANEL ACCESSORIES: PROVIDE COMPONENTS REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING TRIM, COPINGS, FASCIAE, SPLINES, CORNER UNITS, CLIPS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS. MATCH MATERIAL AND FINISH OF METAL WALL PANELS, UNLESS OTHERWISE INDICATED.

PRODUCT DATA SHEET 7 - FABRICATION: FABRICATE AND FINISH METAL WALL PANELS AND ACCESSORIES AT THE FACTORY TO GREATEST EXTENT POSSIBLE, BY MANUFACTURER'S STANDARD PROCEDURES AND PROCESSES, AS NECESSARY TO FULFILL INDICATED PERFORMANCE REQUIREMENTS DEMONSTRATED BY LABORATORY TESTING. COMPLY WITH INDICATED PROFILES AND WITH DIMENSIONAL AND STRUCTURAL REQUIREMENTS.

2.1 FORM PANEL LINES, BREAKS AND ANGLES TO BE SHARP AND TRUE, WITH SURFACES FREE FROM WARP AND BUCKLE.
2.2 FABRICATE METAL WALL PANELS IN A MANNER THAT WOULD WEEP ANY POSSIBLE CONDENSATION TO THE EXTERIOR.
2.3 PROVIDE PANEL PROFILE FOR FULL LENGTH OF PANEL.
2.4 FABRICATE METAL WALL PANEL JOINTS IN A MANNER THAT WILL MINIMIZE NOISE FROM MOVEMENTS WITHIN PANEL ASSEMBLY.
2.5 FABRICATE PANELS, AS REQUIRED TO COMPLY WITH DEFLECTION LIMITS, WITHOUT THE USE OF BACKSIDE PANEL STIFFENERS.
2.6 FABRICATE PANELS WITH SHARPLY CUT EDGES, WITH NO DISPLACEMENT OF FACE SHEETS OR EXTERNAL EXPOSURE OF CORE MATERIAL.
2.7 DIMENSIONAL TOLERANCES:
A. LENGTH: PLUS 0.375 INCH (9.5 MM).
B. WIDTH: PLUS 0.188 INCH (4.8 MM).
C. THICKNESS: PLUS OR MINUS 0.008 INCH (0.2 MM).
D. PANEL BOW: 0.8 PERCENT MAXIMUM OR PANEL LENGTH OR WIDTH.
E. SQUARENESS: 0.2 INCH (5 MM) MAXIMUM.

PART 3 - EXECUTION

SCHEDULE 0 - EXAMINATION

PRODUCT DATA SHEET 0 - DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY PREPARED.
PRODUCT DATA SHEET 1 - IF SUBSTRATE PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER, NOTIFY ARCHITECT OF UNSATISFACTORY PREPARATION BEFORE PROCEEDING.

SCHEDULE 1 - PREPARATION

PRODUCT DATA SHEET 0 - CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
PRODUCT DATA SHEET 1 - PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.

SCHEDULE 2 - INSTALLATION, GENERAL

PRODUCT DATA SHEET 0 - INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND IN PROPER RELATIONSHIP WITH ADJACENT CONSTRUCTION.

SCHEDULE 3 - INSTALLATION, RAINSCREEN PANEL SYSTEM

PRODUCT DATA SHEET 0 - GENERAL: INSTALL METAL WALL PANELS IN ORIENTATION, SIZES, AND LOCATIONS INDICATED ON APPROVED SHOP DRAWINGS. INSTALL PANELS PERPENDICULAR TO GIRTS AND SUBGIRTS, UNLESS OTHERWISE INDICATED. ANCHOR METAL WALL PANELS AND OTHER COMPONENTS OF THE WORK SECURELY IN PLACE, WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT.
PRODUCT DATA SHEET 1 - INSTALL ATTACHMENT SYSTEM REQUIRED TO SUPPORT WALL PANELS AND TO PROVIDE A COMPLETE WEATHERTIGHT WALL SYSTEM, INCLUDING POLYISOCYANURATE SHEATHING, TAPES, FLASHING, SUBGIRTS, PERIMETER EXTRUSIONS, TRACKS, PANEL CLIPS, AND ANCHOR CHANNELS AS MAY BE REQUIRED. SEALANTS SHALL BE UTILIZED AT TYPICAL VERTICAL OR HORIZONTAL JOINTS, WHERE APPLICABLE. PANEL JOINTS SHALL INCLUDE A SPLINE FABRICATED FROM SAME ACM SYSTEM AS PANELS.
PRODUCT DATA SHEET 2 - INSTALLATION TOLERANCES: SHIM AND ALIGN METAL WALL PANEL UNITS WITHIN INSTALLED TOLERANCE OF 1/4 INCH IN 20 FEET (6 MM IN 6 M). NON-ACCUMULATIVE, ON LEVEL, PLUMB, AND LOCATION LINES AS INDICATED AND WITHIN 1/8 INCH (3 MM) OFFSET OF ADJOINING FACES AND OF ALIGNMENT OF MATCHING PROFILES

SCHEDULE 4 - PROTECTION

PRODUCT DATA SHEET 0 - PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
PRODUCT DATA SHEET 1 - TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

SECTION 07 2115
BATT INSULATION

PART 1 **GENERAL**

1.1 SUMMARY
A. SECTION INCLUDES:
1. BATT INSULATION IN EXTERIOR WALL AND ROOF ASSEMBLIES.
1.3 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT.
2. REGIONAL MATERIALS.
3. RAPIDLY RENEWABLE MATERIALS.
4. RECYCLED CONTENT
i) FOR PRODUCTS HAVING RECYCLED CONTENT, DOCUMENTATION INDICATING PERCENTAGES BY WEIGHT OF POSTCONSUMER AND PRE CONSUMER RECYCLED CONTENT. INCLUDE STATEMENT INDICATING COSTS FOR EACH PRODUCT HAVING RECYCLED CONTENT.
1.4 PROJECT CONDITIONS
A. DO NOT INSTALL UNTIL INSULATION UNTIL BUILDING IS SUBSTANTIALLY WATER AND WEATHER TIGHT.

PART 2 PRODUCTS

2.1 MATERIALS
A. THERMAL BATT INSULATION:
1. TYPE: ASTM C665, GLASS FIBER COMPOSITION.
2. FACING: REINFORCED KRAFT PAPER VAPOR BARRIER ON ONE SIDE WITH STAPLING FLANGES OR ALUMINUM FOIL/SCRIMKRAFT PAPER VAPOR BARRIER ON ONE SIDE WITH STAPLING FLANGES.
3. FREE FROM UREA-FORMALDEHYDE RESINS.
i) INSULATION MANUFACTURED WITH 100 PERCENT ACRYLIC BINDERS AND NO FORMALDEHYDE.
4. THERMAL RESISTANCE:
a. 3-1/2 INCHES THICK: R-VALUE OF 11.00.
b. 3-5/8 INCHES THICK: R-VALUE OF 13.00.
c. 6-1/4 INCHES THICK: R-VALUE OF 19.00.
d. 6-1/2 INCHES THICK: R-VALUE OF 22.0.
e. 8-1/2 INCHES THICK: R-VALUE OF 25.0.
f. 9 INCHES THICK: R-VALUE OF 26.0.
g. 10 INCHES THICK: R-VALUE OF 30.00.
h. 12 INCHES THICK: R-VALUE OF 38.00.

PART 3 EXECUTION

3.1 INSTALLATION
A. STAPLE OR NAIL IN PLACE AT MAXIMUM 12 INCHES ON CENTER.
B. BUTT INSULATION TO ADJACENT CONSTRUCTION. BUTT ENDS AND EDGES.
C. CARRY INSULATION AROUND PIPES, WIRING, BOXES, AND OTHER COMPONENTS.
D. ENSURE COMPLETE ENCLOSURE OF SPACES WITHOUT VOIDS.
E. APPLY WITH VAPOR BARRIER FACING TOWARDS EXTERIOR OR INTERIOR OF STRUCTURE BASED ON LOCAL CLIMATE DESIGN REQUIREMENTS.
F. TAPE SEAL LAPPED FLANGES, BUTT ENDS, AND TEARS AND HOLES IN FACINGS.

SECTION 07 2400
EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 **GENERAL**

1.1 SUMMARY
A. SECTION INCLUDES:
1. MOISTURE BARRIER.
2. COMPOSITE WALL CLADDING OF RIGID INSULATION AND APPLIED COATING.
3. TRIM AND ACCESSORIES.
1.3 SYSTEM DESCRIPTION
A. SYSTEM CLASSIFICATION: EIMA CLASS PB, STANDARD AND HIGH IMPACT RESISTANCE.
B. FIRE HAZARD CLASSIFICATION: MAXIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/450, TESTED TO ASTM E84.
1.4 SUBMITTALS
A. SUBMITTALS FOR REVIEW:
1. SHOP DRAWINGS: INDICATE JOINT LAYOUT AND DIMENSIONS, SYSTEM PENETRATION DETAILS, AND TERMINATION DETAILS.
2. PRODUCT DATA: INCLUDE PRIMARY AND SECONDARY PRODUCT DESCRIPTIONS, APPLICATION INSTRUCTIONS, PERFORMANCE CRITERIA, AND LIST OF SEALANTS APPROVED FOR USE WITH SYSTEM.
3. SAMPLES:
a. 3 X 3 INCH FINISH COAT SAMPLES FOR ALL APPLICABLE COLORS SHOWN ON DRAWINGS.
4. WARRANTY: SAMPLE WARRANTY FORM.
B. QUALITY CONTROL SUBMITTALS:
1. CERTIFICATES OF COMPLIANCE:
a. MANUFACTURER'S CERTIFICATION THAT INSTALLED SYSTEM COMPLIES WITH REQUIREMENTS OF CONTRACT DOCUMENTS.
b. CERTIFICATE OF APPROVAL BY CODE AUTHORITIES HAVING JURISDICTION OVER PROJECT.
c. CERTIFICATION FROM AN INDEPENDENT TESTING LABORATORY THAT SYSTEM MEETS FIRE HAZARD CLASSIFICATION REQUIREMENTS.
1.5 QUALITY ASSURANCE
A. FURNISH EIFS SYSTEM COMPONENTS FROM SINGLE MANUFACTURER.
B. INSTALLER QUALIFICATIONS: MINIMUM 5 YEARS DOCUMENTED EXPERIENCE IN WORK OF THIS SECTION.
1.6 DELIVERY, STORAGE AND HANDLING
A. STORE ADHESIVES AND COATINGS IN PROTECTED, DRY AREA UNTIL USED, AT TEMPERATURE PER THE MANUFACTURER'S PRODUCT SPECIFICATIONS.
1.7 PROJECT CONDITIONS
A. DO NOT APPLY ADHESIVES AND COATINGS IF:
1. AMBIENT TEMPERATURE IS BELOW 40 DEGREES F, OR IS EXPECTED TO FALL BELOW THAT TEMPERATURE WITHIN 24 HOURS AFTER APPLICATION.
2. RELATIVE HUMIDITY IS ABOVE 85 PERCENT AND SURFACE TEMPERATURE IS LOWER THAN 5 DEGREES F BELOW DEW POINT.
3. WIND VELOCITY IS OVER 20 MPH.
1.8 WARRANTIES
A. FURNISH MANUFACTURER'S AND APPLICATOR'S SEPARATE STANDARD WARRANTY PROVIDING COVERAGE AGAINST AIR AND WATER LEAKAGE THROUGH EIFS SYSTEM.

PART 2 PRODUCTS

2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. DRYVIT SYSTEM, INC. (WWW.DRYVIT.COM)
B. SUBSTITUTIONS: ALLOWED UPON APPROVAL OF CLIENT OR DESIGN PROFESSIONAL.
2.2 MATERIALS
A. MOISTURE BARRIER: FLUID-APPLIED TYPE; SYSTEM MANUFACTURER'S STANDARD PRODUCT.
B. ADHESIVE: ACRYLIC BASED; TYPE RECOMMENDED BY SYSTEM MANUFACTURER.
C. FINISH COAT: EIMA CLASS PB; POLYMER BASE, MEDIUM TEXTURE, COLORS AS SHOWN ON DRAWINGS.
D. RIGID INSULATION:
1. ASTM C578, TYPE VI, CLOSED CELL EXTRUDED POLYSTYRENE, SLOTTED ON BACK SIDE FOR DRAINAGE.
2. EDGES: SQUARE.
3. MINIMUM THICKNESS: 2 INCHES.
4. THERMAL RESISTANCE: MINIMUM R VALUE OF 10.
E. REINFORCING: GLASS FIBER MESH, BALANCED OPEN WEAVE, ALKALINE RESISTANT, TREATED FOR IMPROVED BOND WITH COATING, TESTED TO ASTM E2098 AND CLASSIFIED TO EIMA IMPACT CLASSIFICATION.
1. STANDARD IMPACT MESH: MINIMUM 4.5 OUNCES PER SQUARE YARD.
2. HIGH IMPACT MESH: MINIMUM 14.0 OUNCES PER SQUARE YARD.
3. CORNER MESH: MINIMUM 20.0 OUNCES PER SQUARE YARD.
2.3 ACCESSORIES
A. TRIM:
1. EXTRUDED PVC, PERFORATED ATTACHMENT FLANGES, OF LONGEST PRACTICAL LENGTH.
2. CORNER BEAD: BEADED EDGE, SIZE AND PROFILE TO SUIT APPLICATION.
3. CASING BEAD: THICKNESS GOVERNED BY SYSTEM THICKNESS, SQUARE EDGE.
4. DRAINAGE CASING: THICKNESS GOVERNED BY SYSTEM THICKNESS, SQUARE EDGE, PERFORATED FOR DRAINAGE.
5. CONTROL JOINT: ACCORDION PROFILE WITH MINIMUM 2 INCH FLANGES EACH SIDE, WITH ATTACHMENT FLANGES.
B. INSULATION FASTENERS: HOT-DIP GALVANIZED OR FLUOROPOLYMER COATED STEEL WITH MINIMUM 1 INCH DIAMETER WASHERS, MINIMUM 5/8 INCH PENETRATION INTO FRAMING, OF TYPE RECOMMENDED BY SYSTEM MANUFACTURER.
C. TRIM FASTENERS: HOT-DIP GALVANIZED OR FLUOROPOLYMER COATED STEEL, TYPE RECOMMENDED BY SYSTEM MANUFACTURER.
D. WATER: CLEAN AND POTABLE.
2.4 MIXES
A. BASE AND FINISH COAT: IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PART 3 EXECUTION

3.1 APPLICATION OF MOISTURE BARRIER
A. APPLY MOISTURE BARRIER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. APPLY MOISTURE BARRIER BY ROLLER TO CONTINUOUS AND UNIFORM COVERAGE WITH MINIMUM MIL THICKNESS AS RECOMMENDED BY MANUFACTURER.
C. COMPLETELY JOINT COMPOUND APPLIED AT CRACKS, JOINTS, PERIMETER, AND PENETRATIONS WITH MOISTURE BARRIER.
D. INSTALL HEAVY MESH UP TO 8 FEET ABOVE GRADE OR PAVING.
E. INSTALL CORNER MESH FOR MINIMUM 12 INCHES ON BOTH SIDES OF EXTERNAL CORNERS.
F. INSTALL DRAINAGE CASING AT WALL BASE AND OVER OPENINGS IN WALLS. SEAL CORNERS AND INTERSECTIONS.
3.2 APPLICATION OF INSULATION AND REINFORCING
A. INSTALL SYSTEM IN ACCORDANCE WITH ANSI/EIMA 99A AND MANUFACTURER'S INSTRUCTIONS.
B. ADHERE INSULATION TO SUBSTRATE WITH FULL ADHESIVE BED APPLIED USING NOTCHED TROWEL, WITH DRAINAGE CHANNELS RUNNING VERTICALLY.
1. INSTALL INSULATION IN MOST ECONOMICAL MANNER, WITH JOINTS OFFSET JOINTS FROM THOSE IN SUBSTRATE.
2. STAGGER END JOINTS IN ADJACENT ROWS MINIMUM 12 INCHES.
3. CUT PANELS TO FIT AT PERIMETER AND AROUND PENETRATIONS.
4. PRESS TO FULL CONTACT WITH ADHESIVE WITHOUT RESTRICTING DRAINAGE BEHIND PANELS.
C. APPLY MINIMUM 1/16 INCH LAYER OF ADHESIVE OVER INSULATION BOARD.
D. FULLY EMBED REINFORCEMENT IN ADHESIVE, WRINKLE FREE.
E. LAP ENDS AND EDGES 2 INCHES MINIMUM.
F. WRAP REINFORCEMENT AND ADHESIVE AROUND INSULATION EDGE AT REVEALS, CONTROL JOINTS AND WHERE SYSTEM ABUTS DISSIMILAR MATERIALS OR STOPS WITH EDGE EXPOSED EXCEPT AT BOTTOM EDGES.
3.3 APPLICATION OF FINISH COAT
A. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. WORK IN CONTINUOUS OPERATION IN EACH PANEL FORMED BY TRIM AND INTERSECTIONS TO ENSURE EVEN TEXTURE.
C. CUT EDGES IN CLEAN AND SHARP WHERE WORK JOINS OTHER MATERIALS.
D. APPLY TO UNIFORM TEXTURE AND COLOR WITHOUT STREAKS, LAPS, HEAVY BUILDUPS, AND MISSED AREAS.
E. ENSURE CONSISTENT APPLICATION AND UNIFORM APPEARANCE.
3.4 ADJUSTING
TOUCH UP FINISH COAT AS REQUIRED TO OBTAIN UNIFORM TEXTURE.

SECTION 07 2500
WEATHER BARRIERS
DUPONT TM TYVEK® THERMAWRAP TM

PART 1 - GENERAL

1.1 SECTION INCLUDES
A. WEATHER BARRIER MEMBRANE (DUPONT™ TYVEK® THERMAWRAP™)
B. SEAM TAPE (DUPONT™ TYVEK® METALLIZED TAPE OR DUPONT™ TYVEK® TAPE)
C. FLASHING (DUPONT™ FLEXWRAP™ DUPONT™ FLEXWRAP™NF, DUPONT™ STRAIGHTFLASH™, DUPONT™ STRAIGHTFLASH™ VF, AND/OR DUPONT™ THRU-WALL FLASHING)
D. FASTENERS

1.2 SUBMITTALS
A. REFER TO SECTION [01 33 00 SUBMITTAL PROCEDURES] [INSERT SECTION NUMBER AND TITLE].
B. PRODUCT DATA: SUBMIT MANUFACTURER CURRENT TECHNICAL LITERATURE FOR EACH COMPONENT.
C. SAMPLES: WEATHER BARRIER MEMBRANE, MINIMUM 8-1/2 INCHES BY 11 INCH.
D. QUALITY ASSURANCE SUBMITTALS
1. DESIGN DATA, TEST REPORTS: PROVIDE MANUFACTURER TEST REPORTS INDICATING PRODUCT COMPLIANCE WITH INDICATED REQUIREMENTS.
2. MANUFACTURER INSTRUCTIONS: PROVIDE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
3. MANUFACTURER'S FIELD SERVICE REPORTS: PROVIDE SITE REPORTS FROM AUTHORIZED FIELD SERVICE REPRESENTATIVE, INDICATING OBSERVATION OF WEATHER BARRIER ASSEMBLY INSTALLATION.
E. CLOSEOUT SUBMITTALS
1. REFER TO SECTION [01 78 00 CLOSEOUT SUBMITTALS] [INSERT SECTION NUMBER AND TITLE].
2. WEATHER BARRIER MANUFACTURER'S WARRANTY: MANUFACTURER'S EXECUTED WARRANTY FORM WITH AUTHORIZED SIGNATURES AND ENDORSEMENTS INDICATING DATE OF WEATHER BARRIER PURCHASE.

1.3 QUALITY ASSURANCE
A. QUALIFICATIONS
1. INSTALLER SHALL HAVE EXPERIENCE WITH INSTALLATION OF DUPONT TM TYVEK® WEATHER BARRIER ASSEMBLIES UNDER SIMILAR CONDITIONS.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH WEATHER BARRIER MANUFACTURER'S INSTALLATION GUIDELINES AND RECOMMENDATIONS.
3. SOURCE LIMITATIONS: PROVIDE WEATHER BARRIER AND ACCESSORY MATERIALS PRODUCED BY SINGLE MANUFACTURER.
B. MOCK-UP
1. INSTALL MOCK-UP USING APPROVED WEATHER BARRIER ASSEMBLY INCLUDING FASTENERS, FLASHING, TAPE AND RELATED ACCESSORIES PER MANUFACTURER'S CURRENT PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
a. MOCK-UP SIZE: [10 FEET BY 10 FEET] [INSERT SIZE].
b. MOCK-UP SUBSTRATE: MATCH WALL ASSEMBLY CONSTRUCTION, INCLUDING WINDOW OPENING.
2. CONTACT MANUFACTURER'S DESIGNATED REPRESENTATIVE PRIOR TO WEATHER BARRIER ASSEMBLY INSTALLATION, TO PERFORM REQUIRED MOCK-UP VISUAL INSPECTION AND ANALYSIS AS REQUIRED FOR WARRANTY.
C. PRE-INSTALLATION MEETING
1. REFER TO SECTION [01 31 19 PROJECT MEETINGS] [INSERT SECTION NUMBER AND TITLE].
2. HOLD A PRE-INSTALLATION CONFERENCE, TWO WEEKS PRIOR TO START OF WEATHER BARRIER INSTALLATION. ATTENDEES SHALL INCLUDE CONTRACTOR, ARCHITECT, INSTALLER, OWNER'S REPRESENTATIVE, AND WEATHER BARRIER MANUFACTURER'S DESIGNATED REPRESENTATIVE.
3. REVIEW ALL RELATED PROJECT REQUIREMENTS AND SUBMITTALS, STATUS OF SUBSTRATE WORK AND PREPARATION, AREAS OF POTENTIAL CONFLICT AND INTERFACE, AVAILABILITY OF WEATHER BARRIER ASSEMBLY MATERIALS AND COMPONENTS, INSTALLER'S TRAINING REQUIREMENTS, EQUIPMENT, FACILITIES AND SCAFFOLDING, AND COORDINATE METHODS, PROCEDURES AND SEQUENCING REQUIREMENTS FOR FULL AND PROPER INSTALLATION, INTEGRATION AND PROTECTION.

1.4 DELIVERY, STORAGE AND HANDLING
A. REFER TO SECTION [01 60 00 PRODUCT REQUIREMENTS] [INSERT SECTION NUMBER AND TITLE].
B. DELIVER WEATHER BARRIER MATERIALS AND COMPONENTS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT.
C. STORE WEATHER BARRIER MATERIALS AS RECOMMENDED BY WEATHER BARRIER MANUFACTURER.

1.5 SCHEDULING
A. REVIEW REQUIREMENTS FOR SEQUENCING OF INSTALLATION OF WEATHER BARRIER ASSEMBLY WITH INSTALLATION OF WINDOWS, DOORS, LOUVERS AND FLASHINGS TO PROVIDE A WEATHER-TIGHT BARRIER ASSEMBLY.
B. SCHEDULE INSTALLATION OF WEATHER BARRIER MATERIALS AND EXTERIOR CLADDING WITHIN FOUR MONTHS OF WEATHER BARRIER ASSEMBLY INSTALLATION.

1.6 WARRANTY
A. REFER TO SECTION [01 78 36 WARRANTIES] [INSERT SECTION NUMBER AND TITLE].
B. SPECIAL MANUFACTURER'S WARRANTY
1. WEATHER BARRIER MANUFACTURER'S WARRANTY FOR WEATHER BARRIER FOR A PERIOD OF TEN YEARS FROM DATE OF WEATHER BARRIER PURCHASE.
2. PRE-INSTALLATION MEETINGS AND JOBSITE OBSERVATIONS BY WEATHER BARRIER MANUFACTURER FOR WARRANTY ARE REQUIRED PRIOR TO ASSEMBLY INSTALLATION.
3. MANUFACTURER'S WARRANTY AREAS: [DESCRIBE SPECIFIC AREAS OF WORK PROTECTED AND AREAS OF WORK EXCLUDED AS REQUIRED BY PROJECT CONDITIONS].
4. FOR WARRANTY DETAILS REVIEW MANUFACTURER'S PUBLISHED WARRANTY. THE FOREGOING IS MERELY A BRIEF SUMMARY OF THE WARRANTY AND MANUFACTURER'S OBLIGATIONS ARE LIMITED TO THOSE SET OUT IN THE WARRANTY DOCUMENT.

PART 2 - PRODUCTS

2.1 MANUFACTURER
A. DUPONT; 4417 LANCASTER PIKE, CHESTNUT RUN PLAZA 728, WILMINGTON, DE 19805; 1-800-44-TYVEK (8-9835); HTTP://WWW.CONSTRUCTION.TYVEK.COM

2.2 MATERIALS
A. BASIS OF DESIGN: SPUNBONDED POLYOLEFIN, NON-WOVEN, NON-PERFORATED, WEATHER BARRIER IS BASED UPON DUPONT™ TYVEK® THERMAWRAP™ AND RELATED ASSEMBLY

CONSTRUCTION SPECIFICATIONS:

07 4243
COMPOSITE WALL PANELS

PART I - GENERAL

1.1 SECTION INCLUDES:
A. EXTERIOR, PANELIZED FIBER CEMENT CLADDING SYSTEM AND ACCESSORIES TO COMPLETE A DRAINED AND BACK-VENTILATED RAINSCREEN.
B. INTERIOR FIBER CEMENT PANELIZED CLADDING SYSTEM AND ACCESSORIES.

1.4 SUBMITTALS
A. SUBMIT UNDER PROVISIONS OF SECTION 01 33 00.
B. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DESCRIPTION, STORAGE AND HANDLING REQUIREMENTS, AND INSTALLATION INSTRUCTIONS.
C. PRODUCT TEST REPORTS AND CODE COMPLIANCE: DOCUMENTS DEMONSTRATING PRODUCT COMPLIANCE WITH LOCAL BUILDING CODE, SUCH AS TEST REPORTS OR EVALUATION REPORTS FROM QUALIFIED, INDEPENDENT TESTING AGENCIES.
D. LEED CREDITS: PROVIDE DOCUMENTATION OF LEED CREDITS FOR PROJECT CERTIFICATION UNDER USGBC LEED 2009 (VERSION 3.0) OR 2012 V.4.
E. MANUFACTURER'S DETAILS: SUBMIT DRAWINGS (.DWG, .RVT, AND/OR .PDF FORMATS), INCLUDING PLANS, SECTIONS, SHOWING INSTALLATION DETAILS THAT DEMONSTRATE PRODUCT DIMENSIONS, EDGE/TERMINATION CONDITIONS/TREATMENTS, COMPRESSION AND CONTROL JOINTS, CORNERS, OPENINGS, AND PENETRATIONS.
F. SAMPLES: SUBMIT SAMPLES OF EACH PRODUCT TYPE PROPOSED FOR USE.

1.5 QUALITY ASSURANCE
A. MANUFACTURER QUALIFICATIONS:
1. ALL FIBER CEMENT PANELS SPECIFIED IN THIS SECTION MUST BE SUPPLIED BY A MANUFACTURER WITH A MINIMUM OF 10 YEARS OF EXPERIENCE IN FABRICATING AND SUPPLYING FIBER CEMENT CLADDING SYSTEMS.
a. PRODUCTS COVERED UNDER THIS SECTION ARE TO BE MANUFACTURED IN AN ISO 9001 CERTIFIED FACILITY.
2. PROVIDE TECHNICAL AND DESIGN SUPPORT AS NEEDED REGARDING INSTALLATION REQUIREMENTS AND WARRANTY COMPLIANCE PROVISIONS.
B. INSTALLER QUALIFICATIONS: ALL PRODUCTS LISTED IN THIS SECTION ARE TO BE INSTALLED BY A SINGLE INSTALLER TRAINED BY MANUFACTURER OR REPRESENTATIVE.
C. MOCK-UP WALL: PROVIDE A MOCK-UP WALL AS EVALUATION TOOL FOR PRODUCT AND INSTALLATION WORKMANSHIP.
D. PRE-INSTALLATION MEETINGS: PRIOR TO BEGINNING INSTALLATION, CONDUCT CONFERENCE TO VERIFY AND DISCUSS SUBSTRATE CONDITIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WARRANTY REQUIREMENTS, AND PROJECT REQUIREMENTS.

1.6 DELIVERY, STORAGE, AND HANDLING
A. PANELS MUST BE STORED FLAT AND KEPT DRY BEFORE INSTALLATION. A WATERPROOF COVER OVER PANELS AND ACCESSORIES SHOULD BE USED AT ALL TIMES PRIOR TO INSTALLATION. DO NOT STACK PALLETS MORE THAN TWO HIGH. REFER TO THE INFORMATION INCLUDED ON EACH PALLET.
B. IF PANELS ARE EXPOSED TO WATER OR WATER VAPOR PRIOR TO INSTALLATION, ALLOW TO COMPLETELY DRY BEFORE INSTALLING. FAILURE TO DO SO MAY RESULT IN PANEL SHRINKAGE AT SHIP LAP JOINTS, AND SUCH ACTION MAY VOID WARRANTY.
C. PANELS MUST BE CARRIED ON EDGE. DO NOT CARRY OR LIFT PANELS FLAT. IMPROPER HANDLING MAY CAUSE CRACKING OR PANEL DAMAGE.
D. DIRECT CONTACT BETWEEN THE PANELS AND THE GROUND SHOULD BE AVOIDED AT ALL TIMES. IT IS NECESSARY TO KEEP PANELS CLEAN DURING INSTALLATION PROCESS.

1.7 WARRANTY
A. PROVIDE MANUFACTURER'S 15-YEAR WARRANTY AGAINST MANUFACTURED DEFECTS IN FIBER CEMENT PANELS. ADDITIONAL 5-YEAR EXTENSION AVAILABLE WHEN REFINISHED IN YEAR 14-15.
B. PROVIDE MANUFACTURER'S 15-YEAR WARRANTY AGAINST MANUFACTURED DEFECTS IN PANEL FINISH.
C. WARRANTY PROVIDES FOR THE ORIGINAL PURCHASER. SEE WARRANTY FOR DETAILED INFORMATION ON TERMS, CONDITIONS AND LIMITATIONS.

PART II: PRODUCTS

2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURER: NICHIHA CORPORATION, 18-19 NISHIKI 2-CHOME NAKA-KU, NAGOYA, AICHI 460-8610, JAPAN.
B. ACCEPTABLE MANUFACTURER'S REPRESENTATIVE: NICHIHA USA, INC., 6465 E. JOHNS CROSSING, SUITE 250, JOHNS CREEK, GA 30097. TOLL FREE: 1.866.424.4421, OFFICE: 770.805.9466, FAX: 770.805.9467, WWW.NICHIHA.COM.
1. BASIS OF DESIGN PRODUCT: NICHIHA TUFFBLOCK.
a. PROFILE COLORS: STEEL, BAMBOO, WALNUT, PEWTER, OR DESIGNER-SPECIFIED CUSTOM COLOR.
b. ACCESSORY/COMPONENT OPTIONS:
I. MANUFACTURED CORNERS WITH 3-1/2" RETURNS FOR EACH PROFILE COLOR.
II. ALUMINUM TRIM OPTIONS: CORNER KEY, OPEN OUTSIDE CORNER, H-MOLD, J-MOLD, COMPRESSION JOINT, INSIDE CORNER
1. FINISH: CUSTOM COLOR, CLEAR ANODIZED, OR PRIMED
III. ESSENTIAL FLASHING SYSTEM: STARTER, OVERHANG.
1. FINISH: MATTE BLACK.
c. DIMENSIONS - AWP-1818: 455MM (17-7/8") (H) X 1,818 MM (71-9/16") (L).
d. PANEL THICKNESS: 16 MM (5/8").
e. FINISH: MATTE, MODERATELY TEXTURED.
f. WEIGHT: 35.27 LBS. PER PANEL.
g. COVERAGE: 8.88 SQ. FT. PER PANEL.
h. FACTORY SEALED ON SIX [6] SIDES.
C. SUBSTITUTIONS: NOT PERMITTED.
D. REQUESTS FOR SUBSTITUTIONS WILL BE CONSIDERED IN ACCORDANCE WITH PROVISIONS OF SECTION 01 60 00.

2.2 MATERIALS
A. FIBER CEMENT PANELS MANUFACTURED FROM A PRESSED, STAMPED, AND AUTOCLAVED MIX OF PORTLAND CEMENT, FLY ASH, SILICA, RECYCLED REJECTS, AND WOOD FIBER BUNDLES.
B. PANEL SURFACE PRE-FINISHED AND MACHINE APPLIED.
C. PANELS PROFILED ALONG ALL FOUR EDGES, SUCH THAT BOTH HORIZONTAL AND VERTICAL JOINTS BETWEEN THE INSTALLED PANELS ARE SHIP-LAPPED.
D. FACTORY-APPLIED SEALANT GASKET ADDED TO TOP AND RIGHT PANEL EDGES; ALL JOINTS CONTAIN A FACTORY SEALANT.

2.3 PERFORMANCE REQUIREMENTS:
A. FIBER CEMENT CLADDING - MUST COMPLY WITH ASTM C-1186, TYPE A, GRADE II REQUIREMENTS:
1. WET FLEXURAL STRENGTH: RESULT: 1418 PSI, LOWER LIMIT: 1015 PSI.
2. WATER TIGHTNESS: NO WATER DROPLETS OBSERVED ON ANY SPECIMEN.
3. FREEZE-THAW: NO DAMAGE OR DEFECTS OBSERVED.
4. WARM WATER: NO EVIDENCE OF CRACKING, DELAMINATION, SWELLING, OR OTHER DEFECTS OBSERVED.
5. HEAT-RAIN: NO CRAZING, CRACKING, OR OTHER DELETERIOUS EFFECTS, SURFACE OR JOINT CHANGES OBSERVED IN ANY SPECIMEN.
B. MEAN COEFFICIENT OF LINEAR THERMAL EXPANSION (ASTM E-228): MAX 1.0*10^-5 IN./IN. F.
C. SURFACE BURNING (CAN-ULC S102/ASTM E-84): FLAME SPREAD: 0, SMOKE DEVELOPED: 0.
D. WIND LOAD (ASTM E-330): CONTACT MANUFACTURER FOR ULTIMATE TEST PRESSURE DATA CORRESPONDING TO FRAMING TYPE, DIMENSIONS, FASTENER TYPE, AND ATTACHMENT CLIPS. PROJECT ENGINEER(S) MUST DETERMINE ZONE 4 AND 5 DESIGN PRESSURES BASED ON PROJECT SPECIFICS.
1. MINIMUM LATERAL DEFLECTION: L/120.
E. WATER PENETRATION (ASTM E-331): NO WATER LEAKAGE OBSERVED INTO WALL CAVITY.
F. STEADY-STATE HEAT FLUX AND THERMAL TRANSMISSION PROPERTIES TEST (ASTM C-518): 16MM THICK PANEL THERMAL RESISTANCE R VALUE OF 0.47.
G. FIRE RESISTANT (ASTM E-119): THE WALL ASSEMBLY MUST SUCCESSFULLY ENDURE 60-MINUTE FIRE EXPOSURE WITHOUT DEVELOPING EXCESSIVE UNEXPOSED SURFACE TEMPERATURE OR ALLOWING FLAMING ON THE UNEXPOSED SIDE OF THE ASSEMBLY.
H. IGNITION RESISTANCE (NFPA 268): NO SUSTAINED FLAMING OF PANELS, ASSEMBLY WHEN SUBJECTED TO A MINIMUM RADIANT HEAT FLUX OF 12.5 KW/M2 ± 5% IN THE PRESENCE OF A PILOT IGNITION SOURCE FOR A 20-MINUTE PERIOD.
I. FIRE PROPAGATION (NFPA 285): WALL ASSEMBLY OF NICHIHA AWP, ULTIMATE CLIPS AND STARTER TRACK, TYVEK COMMERCIAL WRAP, ½" DENSGLASS GOLD SHEATHING, 16" O.C. 18 GAUGE STEEL STUDS, MINERAL WOOL IN-CAVITY INSULATION, AND INTERIOR 5/8" TYPE X GYPSUM MET THE ACCEPTANCE CRITERIA OF NFPA 285.
J. FIRE PROPAGATION (CAN/ULC S-134): WALL ASSEMBLY OF NICHIHA AWP, ULTIMATE CLIPS AND STARTER TRACK, TYVEK HOUSEWRAP, 5/8" FRT PLYWOOD, 16" O.C. 2X WOOD STUDS, FIBERGLASS IN-CAVITY INSULATION, AND INTERIOR 5/8" TYPE X GYPSUM MET THE ACCEPTANCE CRITERIA OF CAN/ULC S-134.
K. DRAINED AND BACK VENTILATED RAINSCREEN (AAMA 509-14): SYSTEM CLASSIFICATIONS: W1, V1.
L. FLORIDA BUILDING CODE - TEST PROTOCOL HVHZ (TAS 202, 203): DESIGN PRESSURE: 95 PSF.

2.4 INSTALLATION COMPONENTS
A. ULTIMATE CLIP SYSTEM:
1. STARTER TRACK: FA 700 (10MM RAINSCREEN) - 3030MM (L) GALVALUME COATED STEEL.
2. PANEL CLIPS: JEL 778 "ULTIMATE CLIP II" (10MM RAINSCREEN FOR 5/8" AWP) - ZINC-ALUMINUM-MAGNESIUM ALLOY COATED STEEL.
a. JOINT TAB ATTACHMENTS (INCLUDED) - USED AT ALL AWP-1818 PANEL TO PANEL VERTICAL JOINTS.
3. CORNER CLIPS: JE 777C (10MM RAINSCREEN FOR 5/8" AWP MANUFACTURED CORNERS) – ZINC-ALUMINUM-MAGNESIUM ALLOY COATED STEEL.
4. SINGLE FLANGE SEALANT BACKER - FHK 1015 R (10MM) - 6.5' (L) FLUORINE COATED GALVALUME.
5. DOUBLE FLANGE SEALANT BACKER - FH 1015 R (10MM) - 10' (L) FLUORINE COATED GALVALUME.
6. CORRUGATED SPACER - FS 1005 (5MM), FS 1010 (10MM) - 4' (L).
B. ALUMINUM TRIM (OPTIONAL): PAINT AS SPECIFIED IN FINISH SCHEDULE.
C. ESSENTIAL FLASHING SYSTEM (OPTIONAL):
1. STARTER - MAIN SEGMENTS (3030MM), INSIDE CORNERS, OUTSIDE CORNERS
2. OVERHANG - MAIN SEGMENTS (3030MM), INSIDE CORNERS, OUTSIDE CORNERS, JOINT CLIPS
D. FASTENERS: CORROSION RESISTANT FASTENERS, SUCH AS HOT-DIPPED GALVANIZED SCREWS APPROPRIATE TO LOCAL BUILDING CODES AND PRACTICES MUST BE USED. USE STAINLESS STEEL FASTENERS IN HIGH HUMIDITY AND HIGH-MOISTURE REGIONS. PANEL MANUFACTURER IS NOT LIABLE FOR CORROSION RESISTANCE OF FASTENERS, DO NOT USE ALUMINUM FASTENERS, STAPLES OR FASTENERS THAT ARE NOT RATED OR DESIGNED FOR INTENDED USE. SEE MANUFACTURER'S INSTRUCTIONS FOR APPROPRIATE FASTENERS FOR CONSTRUCTION METHOD USED.
E. FLASHING: FLASH ALL AREAS SPECIFIED IN MANUFACTURER'S INSTRUCTIONS. DO NOT USE RAW ALUMINUM FLASHING. FLASHING MUST BE GALVANIZED, ANODIZED, OR PVC COATED.
F. SEALANT: SEALANT SHALL COMPLY WITH ASTM C920, CLASS 35.

PART III: EXECUTION

3.1 EXAMINATION
A. VERIFICATION OF CONDITIONS:
1. FIBER CEMENT PANELS CAN BE INSTALLED OVER BRACED WOOD, STEEL STUDS AND SHEATHING INCLUDING PLYWOOD, OSB, PLASTIC FOAM OR FIBERBOARD SHEATHING. FIBER CEMENT PANELS CAN ALSO BE INSTALLED OVER STRUCTURAL INSULATED PANELS (SIP'S), CONCRETE MASONRY UNITS (CMU'S) AND CONCRETE BLOCK STRUCTURES (CBS'S) WITH FURRING STRIPS, AND PRE-ENGINEERED METAL CONSTRUCTION. INSULATED CONCRETE FORMS (ICFS) ARE **NOT** AN APPROVED SUBSTRATE UNDER ANY CONDITION.
2. ALLOWABLE STUD SPACING: 16" O.C. MAXIMUM.
3. A WEATHER RESISTIVE BARRIER IS REQUIRED WHEN INSTALLING FIBER CEMENT PANELS. USE AN APPROVED WEATHER RESISTIVE BARRIER (WRB) AS DEFINED BY THE 2015 IBC AND IRC. REFER TO LOCAL BUILDING CODES.
4. APPROPRIATE METAL FLASHING SHOULD BE USED TO PREVENT MOISTURE PENETRATION AROUND ALL DOORS, WINDOWS, WALL BOTTOMS, MATERIAL TRANSITIONS AND PENETRATIONS. REFER TO LOCAL BUILDING CODES FOR BEST PRACTICES.
B. EXAMINE SITE TO ENSURE SUBSTRATE CONDITIONS ARE WITHIN ALIGNMENT TOLERANCES FOR PROPER INSTALLATION.
C. DO NOT BEGIN INSTALLATION UNTIL UNACCEPTABLE CONDITIONS HAVE BEEN CORRECTED.
D. DO NOT INSTALL PANELS OR COMPONENTS THAT APPEAR TO BE DAMAGED OR DEFECTIVE. DO NOT INSTALL WET PANELS.

3.2 TOLERANCE
A. WALL SURFACE PLANE MUST BE PLUMB AND LEVEL WITHIN +/- ¼ INCH IN 20 FEET IN ANY DIRECTION.
1. ONE LAYER OF NICHIHA 5MM (~3/16") SPACER MAY BE USED AS SHIM.

3.3 INSTALLATION
A. GENERAL: INSTALL PRODUCTS IN ACCORDANCE WITH THE LATEST INSTALLATION GUIDELINES OF THE MANUFACTURER AND ALL APPLICABLE BUILDING CODES AND OTHER LAWS, RULES, REGULATIONS AND ORDINANCES. REVIEW ALL MANUFACTURER INSTALLATION, MAINTENANCE INSTRUCTIONS, AND OTHER APPLICABLE DOCUMENTS BEFORE INSTALLATION.
1. CONSULT WITH YOUR LOCAL DEALER OR NICHIHA TECHNICAL DEPARTMENT BEFORE INSTALLING ANY NICHIHA FIBER CEMENT PRODUCT ON A BUILDING HIGHER THAN 45 FEET OR THREE STORIES OR FOR CONDITIONS NOT MATCHING PRESCRIBED STANDARD INSTALLATION GUIDE REQUIREMENTS AND METHODS. SPECIAL INSTALLATION CONDITIONS MAY BE REQUIRED VIA A **TECHNICAL REVIEW AND SPECIAL APPLICATIONS FORM (SAF)** PROCESS.
2. ***VERTICAL CONTROL/EXPANSION JOINTS*** ARE REQUIRED WITHIN 2-10 FEET OF OUTSIDE CORNERS FINISHED WITH METAL TRIM *AND* APPROXIMATELY EVERY 30 FEET THEREAFTER.
3. ***HORIZONTAL/COMPRESSION JOINTS*** ARE REQUIRED FOR MULTI-STORY INSTALLATIONS OF AWP. LOCATE JOINTS AT FLOOR LINES. JOINTS ARE FLASHED MINIMUM ½" BREAKS. DO NOT CAULK. REFER TO INSTALLATION GUIDE(S).
A. WOOD FRAMED BUILDINGS OF THREE OR MORE FLOORS REQUIRE A COMPRESSION JOINT AT EACH FLOOR.
B. STEEL FRAMED BUILDINGS (INCLUDING REINFORCED CONCRETE CORE WITH LGMF EXTERIOR WALLS) OF MORE THAN THREE FLOORS (OR 45 FEET) REQUIRE A COMPRESSION JOINT EVERY 25 FEET AT A FLOOR LINE.

B. PANEL CUTTING
1. ALWAYS CUT FIBER CEMENT PANELS OUTSIDE OR IN A WELL VENTILATED AREA. DO NOT CUT THE PRODUCTS IN AN ENCLOSED AREA.
2. ALWAYS WEAR SAFETY GLASSES AND NIOSH/OSHA APPROVED RESPIRATOR WHENEVER CUTTING, DRILLING, SAWING, SANDING OR ABRADING THE PRODUCTS. REFER TO MANUFACTURER SDS FOR MORE INFORMATION.
3. USE A DUST-REDUCING CIRCULAR SAW WITH A DIAMOND-TIPPED OR CARBIDE-TIPPED BLADE.
A. RECOMMENDED CIRCULAR SAW: MAKITA 7-1/4" CIRCULAR SAW WITH DUST COLLECTOR (#5057KB).
B. RECOMMENDED BLADE: TENRYU BOARD-PRO PLUS PCD BLADE (#BP-18505).
C. SHEARS (ELECTRIC OR PNEUMATIC) OR JIG SAW CAN BE USED FOR COMPLICATED CUTTINGS, SUCH AS SERVICE OPENINGS, CURVES, RADII AND SCROLLWORK.
4. **SILICA DUST WARNING**: FIBER CEMENT PRODUCTS MAY CONTAIN SOME AMOUNTS OF CRYSTALLINE SILICA, A NATURALLY OCCURRING, POTENTIALLY HAZARDOUS MINERAL WHEN AIRBORNE IN DUST FORM. CONSULT PRODUCT SDS OR VISIT HTTPS://WWW.OSHA.GOV/DSG/TOPICS/SILICACRYSTALLINE/.

3.4 CLEANING AND MAINTENANCE
A. REVIEW MANUFACTURER GUIDELINES FOR DETAILED CARE INSTRUCTIONS.

SECTION 07 4646
MINERAL-FIBER CEMENT SIDING

PART 1 GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. MINERAL-FIBER CEMENT SIDING AND TRIM.
2. TRIM, ANCHORAGE, AND ACCESSORIES.

1.2 SUBMITTALS
A. SUBMITTALS FOR REVIEW:
1. PRODUCT DATA: INDICATE PROFILES, SIZES, FASTENING METHODS, SURFACE TEXTURE, AND FINISH.
2. WARRANTY: SAMPLE WARRANTY FORM.
B. SUSTAINABLE DESIGN SUBMITTALS:
1. REGIONAL MATERIALS.

1.3 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: MINIMUM 3 YEARS DOCUMENTED EXPERIENCE IN WORK OF THIS SECTION.

1.4 WARRANTIES
A. FURNISH MANUFACTURER'S WARRANTY, MADE OUT IN OWNER'S NAME WITH COPY TO OWNER, PROVIDING COVERAGE AGAINST CRACKING, ROTTING, OR DELAMINATION OF SIDING.

PART 2 PRODUCTS

2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. JAMES HARDIE BUILDING PRODUCTS INC. WWW.JAMESHARDIE.COM
2. APPROVED EQUAL - TO BE CONSIDERED AND APPROVED BY ARCHITECT.

2.2 MATERIALS
A. MINERAL-FIBER CEMENT SIDING:
1. ASTM C1186, GRADE II, TYPE A; FORMULATED FROM PORTLAND CEMENT, GROUND SAND, CELLULOSE FIBERS, ADDITIVES, AND WATER; FORMED UNDER PRESSURE TO REQUIRED PROFILE.
2. FINISH: FACTORY PRIME PAINTED.
3. FIRE HAZARD CLASSIFICATION: CLASS A, TESTED TO ASTM E84.
4. LAP SIDING:
a. SIZE: 7 ¼" INCH HIGH (6 INCH EXPOSURE) X 12 FEET LONG (SEE DRAWINGS).
b. THICKNESS: 5/16 INCH.
c. SURFACE TEXTURE: SMOOTH.
5. TRIM:
a. SIZE: 3 INCHES WIDE X MAXIMUM PRACTICAL LENGTH.
b. THICKNESS: 7/16 INCH.
c. SURFACE TEXTURE: SMOOTH.

2.3 ACCESSORIES
A. FASTENERS: TYPE RECOMMENDED BY SIDING MANUFACTURER.
B. SHEET METAL FLASHINGS AND TRIM: SPECIFIED IN SECTION 07 6200.
C. JOINT SEALERS: SPECIFIED IN SECTION 07 9200.

PART 3 EXECUTION

3.1 INSTALLATION - LAP SIDING
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
B. INSTALL SIDING WITH 10 INCH EXPOSURE (SEE DRAWINGS
C. LAP SIDING FOR NATURAL WATER SHED.
D. BUTT JOINTS TIGHT.
E. SET PLUMB AND LEVEL.
F. CUT SIDING TO FIT AT PERIMETER AND AROUND PENETRATIONS WITH MAXIMUM 1/4 INCH GAPS. SMOOTH CUT EDGES.
G. POSITION CUT ENDS OVER BEARING SURFACES.
H. INSTALL CORNER STRIPS, CLOSURES, AND TRIM AS SHOWN ON DRAWINGS.
I. FASTEN AT MAXIMUM 12 INCHES ON CENTER, BLIND NAIL EXCEPT TRIM.
J. INSTALL METAL FLASHINGS AT SILLS AND HEADS OF WALL OPENINGS. FASTEN AT 12 INCHES ON CENTER MAXIMUM.
K. APPLY JOINT SEALER BETWEEN SIDING AND TRIM AND ADJACENT SURFACES AS SPECIFIED IN SECTION 07 9200. ENSURE WATERTIGHT CONDITION.

3.2 INSTALLATION - TRIM
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. BUTT JOINTS TIGHT.
C. SET PLUMB AND LEVEL.
D. CUT TO FIT AT PERIMETER AND AROUND PENETRATIONS WITH MAXIMUM 1/4 INCH GAPS. SMOOTH CUT EDGES.
E. FASTEN AT MAXIMUM 16 INCHES ON CENTER.

SECTION 07 5400
THERMOPLASTIC MEMBRANE ROOFING

PART 1 - GENERAL

1.1 ROOF SYSTEM SUMMARY
1. MEMBRANE: THERMOPLASTIC MEMBRANE MECHANICALLY FASTENED TO ROOF DECK OR INDUCTION WELDED TO WELDING PLATES.
2. ROOF INSULATION: POLYISOCYANURATE INSULATION MECHANICALLY ATTACHED TO ROOF DECK.
3. STRUCTURAL DECK: STEEL OR WOOD.

1.2 DESIGN CRITERIA
A. GENERAL: INSTALLED ROOFING MEMBRANE SYSTEMS SHALL REMAIN WATERTIGHT; AND RESIST SPECIFIED WIND UPLIFT PRESSURES, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE.
B. MATERIAL COMPATIBILITY: ROOFING MATERIALS SHALL BE COMPATIBLE WITH ONE ANOTHER UNDER CONDITIONS OF SERVICE AND APPLICATION REQUIRED, AS DEMONSTRATED BY ROOFING SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.
C. WIND UPLIFT PERFORMANCE: ROOFING SYSTEM SHALL BE IDENTICAL TO SYSTEMS THAT HAVE BEEN SUCCESSFULLY TESTED BY A QUALIFIED TESTING AND INSPECTING AGENCY TO RESIST WIND UPLIFT PRESSURE CALCULATED IN ACCORDANCE WITH ASCE 7.

1.3 SUBMITTALS
A. PRODUCT DATA: MANUFACTURER'S PRODUCT DATA SHEETS FOR EACH PRODUCT TO BE PROVIDED.
B. DETAIL DRAWINGS: PROVIDE ROOFING SYSTEM PLANS, ELEVATIONS, SECTIONS, DETAILS, AND DETAILS OF ATTACHMENT TO OTHER WORK, INCLUDING:
1. BASE FLASHINGS AND MEMBRANE TERMINATIONS.
2. TAPERED INSULATION, INCLUDING SLOPES.
3. CRICKETS, SADDLES, AND TAPERED EDGE STRIPS, INCLUDING SLOPES.
4. INSULATION FASTENING PATTERNS.
C. VERIFICATION SAMPLES: PROVIDE FOR EACH PRODUCT SPECIFIED.
D. INSTALLER CERTIFICATES: SIGNED BY ROOFING SYSTEM MANUFACTURER CERTIFYING THAT INSTALLER IS APPROVED, AUTHORIZED, OR LICENSED BY MANUFACTURER TO INSTALL ROOFING SYSTEM.
E. MAINTENANCE DATA: REFER TO JOHNS MANVILLE'S LATEST PUBLISHED DOCUMENTS ON WWW.JM.COM.
GUARANTEES: PROVIDE MANUFACTURER'S CURRENT GUARANTEE SPECIMEN.
F. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT
2. SOLAR REFLECTANCE INDEX.
3. REGIONAL MATERIALS.
4. LOW EMITTING MATERIALS.

1.4 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: QUALIFIED FIRM THAT IS APPROVED, AUTHORIZED, OR LICENSED BY ROOFING SYSTEM MANUFACTURER TO INSTALL MANUFACTURER'S PRODUCT AND IS ELIGIBLE TO RECEIVE THE SPECIFIED MANUFACTURER'S GUARANTEE.
B. MANUFACTURER QUALIFICATIONS: QUALIFIED MANUFACTURER THAT HAS UL LISTING FOR ROOFING SYSTEM IDENTICAL TO THAT USED FOR THIS PROJECT.
C. TESTING AGENCY QUALIFICATIONS: INDEPENDENT TESTING AGENCY WITH THE EXPERIENCE AND CAPABILITY TO CONDUCT THE TESTING INDICATED, AS DOCUMENTED IN ACCORDANCE WITH ASTM E329.
D. TEST REPORTS:
1. CORE CUT (IF REQUESTED).
2. ROOF DECK FASTENER PULLOUT TEST.
E. SOURCE LIMITATIONS: OBTAIN ALL COMPONENTS FROM THE SINGLE SOURCE ROOFING SYSTEM MANUFACTURER GUARANTEEING THE ROOFING SYSTEM. ALL PRODUCTS USED IN THE SYSTEM SHALL BE LABELED BY THE SINGLE SOURCE ROOFING SYSTEM MANUFACTURER ISSUING THE GUARANTEE.
F. FIRE-TEST-RESPONSE CHARACTERISTICS: ROOFING MATERIALS SHALL COMPLY WITH THE FIRE-TEST-RESPONSE CHARACTERISTICS INDICATED AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER TEST METHOD BELOW BY UL, OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. MATERIALS SHALL BE IDENTIFIED WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AND INSPECTING AGENCY.
1. EXTERIOR FIRE-TEST EXPOSURE: CLASS: TO MEET APPLICABLE CODE; ASTM E 108, FOR APPLICATION AND ROOF SLOPES INDICATED.

1.5 DELIVERY, STORAGE, AND HANDLING
A. DELIVER ROOFING MATERIALS IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELED WITH MANUFACTURER'S NAME, PRODUCT BRAND NAME AND TYPE, DATE OF MANUFACTURE, AND DIRECTIONS FOR STORAGE.
B. STORE LIQUID MATERIALS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY, PROTECTED LOCATION AND WITHIN THE TEMPERATURE RANGE REQUIRED BY ROOFING SYSTEM MANUFACTURER.
C. PROTECT ROOF INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY SUNLIGHT, MOISTURE, SOILING, AND OTHER SOURCES. COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING INSTALLATION.
D. HANDLE AND STORE ROOFING MATERIALS AND PLACE EQUIPMENT IN A MANNER TO AVOID PERMANENT DEFLECTION OF DECK.

1.6 PROJECT CONDITIONS
A. WEATHER LIMITATIONS: PROCEED WITH INSTALLATION ONLY WHEN CURRENT AND FORECASTED WEATHER CONDITIONS PERMIT ROOFING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND GUARANTEE REQUIREMENTS.

1.7 GUARANTEES
A. PROVIDE MANUFACTURER'S SYSTEM GUARANTEE EQUAL TO JOHNS MANVILLE'S PEAK ADVANTAGE NO DOLLAR LIMIT ROOFING SYSTEM GUARANTEE.
1. SINGLE-SOURCE SPECIAL GUARANTEE INCLUDES ROOFING MEMBRANE, BASE FLASHINGS, ROOFING MEMBRANE ACCESSORIES, ROOF INSULATION, FASTENERS, WALKWAY PRODUCTS, , AND OTHER SINGLE-SOURCE COMPONENTS OF ROOFING SYSTEM MARKETED BY THE MANUFACTURER.
2. GUARANTEE PERIOD: FIFTEEN YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
B. INSTALLER'S GUARANTEE: SUBMIT ROOFING INSTALLER'S GUARANTEE SIGNED BY INSTALLER, COVERING WORK OF THIS SECTION, INCLUDING ALL COMPONENTS OF ROOFING SYSTEM, FOR THE FOLLOWING GUARANTEE PERIOD:
1. GUARANTEE PERIOD: TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
C. EXISTING GUARANTEES: GUARANTEES ON EXISTING BUILDING ELEMENTS SHOULD NOT BE AFFECTED BY SCOPE OF WORK.
1. INSTALLER IS RESPONSIBLE FOR COORDINATING WITH BUILDING OWNER'S REPRESENTATIVE TO VERIFY COMPLIANCE.

PART 2 - PRODUCTS

2.1 THERMOPLASTIC ROOFING MEMBRANE MANUFACTURERS
A. PVC SHEET: ASTM D 4434, TYPE III, FABRIC REINFORCED.
1. BASIS OF DESIGN PRODUCT:
a. JOHNS MANVILLE PVC SD PLUS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
b. DUROLAST.
2. THICKNESS: 50 MILS, NOMINAL.
3. EXPOSED FACE COLOR: WHITE
B. ALTERNATE APPROVED MEMBRANE - TPO SHEET: ASTM D 6878, FABRIC REINFORCED.
1. BASIS OF DESIGN PRODUCT:
a. JOHNS MANVILLE TPO OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
b. FIRESTONE.
2. THICKNESS: 60 MILS, NOMINAL.
3. EXPOSED FACE COLOR: WHITE

2.2 AUXILIARY ROOFING MATERIALS - SINGLE PLY
A. GENERAL: AUXILIARY MATERIALS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER FOR INTENDED USE AND COMPATIBLE WITH MEMBRANE ROOFING.
1. LIQUID-TYPE AUXILIARY MATERIALS SHALL MEET VOC LIMITS OF AUTHORITIES HAVING JURISDICTION.
B. SHEET FLASHING: MANUFACTURER'S INTERNALLY REINFORCED OR SCRIM REINFORCED, SMOOTH BACKED MEMBRANE WITH SAME THICKNESS AND COLOR AS SHEET MEMBRANE.
C. BONDING ADHESIVE: MANUFACTURER'S STANDARD SOLVENT-BASED BONDING ADHESIVE FOR MEMBRANE, AND SOLVENT-BASED BONDING ADHESIVE FOR BASE FLASHINGS.
D. SLIP SHEET: MINIMUM 9.0 OZ/YD2 NEEDLE PUNCHED, UV-RESISTANT POLYESTER FABRIC SLIP SHEET, AS REQUIRED FOR APPLICATION.
E. METAL TERMINATION BARS: MANUFACTURER'S STANDARD PREDRILLED STAINLESS-STEEL OR ALUMINUM BARS, WITH ANCHORS.
F. FASTENERS: FACTORY-COATED STEEL FASTENERS AND METAL OR PLASTIC PLATES MEETING CORROSION-RESISTANCE PROVISIONS IN FMG 4470, DESIGNED FOR FASTENING MEMBRANE TO SUBSTRATE, AND ACCEPTABLE TO MEMBRANE ROOFING SYSTEM MANUFACTURER.
G. MISCELLANEOUS ACCESSORIES: PROVIDE POURABLE SEALERS, PREFORMED CONE AND VENT SHEET FLASHINGS, PREFORMED INSIDE AND OUTSIDE CORNER SHEET FLASHINGS, T-JOINT COVERS, COVER STRIPS, SEALANTS, AND OTHER ACCESSORIES.
H. METAL FLASHING SHEET: METAL FLASHING SHEET IS SPECIFIED IN DIVISION 07 SECTION "SHEET METAL FLASHING AND TRIM."

2.3 WALKWAYS AND SAFETY STRIPS
A. FLEXIBLE WALKWAYS: FACTORY-FORMED, NONPOROUS, HEAVY-DUTY, SLIP-RESISTING, SURFACE-TEXTURED WALKWAY PADS SOURCED FROM MEMBRANE ROOFING SYSTEM MANUFACTURER.

2.4 ROOF INSULATION
A. GENERAL: PREFORMED ROOF INSULATION BOARDS THAT COMPLY WITH REQUIREMENTS AND REFERENCED STANDARDS, SELECTED FROM MANUFACTURER'S STANDARD SIZES AND OF THICKNESSES INDICATED.
B. POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II, CLASS 1 OR 2, GRADE 2 (20 PSI).
1. PROVIDE INSULATION PACKAGE WITH MINIMUM R VALUE: 20 OR MINIMUM REQUIRED BY APPLICABLE CODE.
2. PROVIDE INSULATION PACKAGE IN MULTIPLE LAYERS.
3. PROVIDE FIRE RESISTANT INSULATION AS REQ

CONSTRUCTION SPECIFICATIONS:

SECTION 07 5400
THERMOPLASTIC MEMBRANE ROOFING
(CONTINUED)

3.7 ALTERNATE APPROVED INSTALLATION METHOD - INDUCTION WELDED ROOFING MEMBRANE INSTALLATION
A. INSTALL ROOFING MEMBRANE OVER AREA TO RECEIVE ROOFING ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS. UNROLL ROOFING MEMBRANE AND ALLOW TO RELAX BEFORE INSTALLING.
B. ACCURATELY ALIGN ROOFING MEMBRANES AND MAINTAIN UNIFORM SIDE AND END LAPS OF MINIMUM DIMENSIONS REQUIRED BY MANUFACTURER. STAGGER END LAPS.
C. APPLY ROOFING MEMBRANE WITH SIDE LAPS SHINGLED WITH SLOPE OF ROOF DECK WHERE POSSIBLE.
D. SEAMS: CLEAN SEAM AREAS, OVERLAP ROOFING MEMBRANE, AND HOT-AIR WELD SIDE AND END LAPS OF ROOFING MEMBRANE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS TO ENSURE A WATERTIGHT SEAM INSTALLATION.
1. TEST LAP EDGES WITH PROBE TO VERIFY SEAM WELD CONTINUITY. APPLY LAP SEALANT TO SEAL CUT EDGES OF ROOFING MEMBRANE.
2. VERIFY FIELD STRENGTH OF SEAMS A MINIMUM OF TWICE DAILY AND REPAIR SEAM SAMPLE AREAS.
a. REMOVE AND REPAIR ANY UNSATISFACTORY SECTIONS BEFORE PROCEEDING WITH WORK.
3. REPAIR TEARS, VOIDS, AND LAPPED SEAMS IN ROOFING MEMBRANE THAT DO NOT MEET REQUIREMENTS.
E. SPREAD SEALANT OR MASTIC BED OVER DECK DRAIN FLANGE AT DECK DRAINS AND SECURELY SEAL ROOFING MEMBRANE IN PLACE WITH CLAMPING RING.
F. INDUCTION WELDING INSTALLATION:
1. PERFORM CALIBRATION AND SET-UP AS DETAILED BY THE INDUCTION WELDER OWNER'S MANUAL.
2. CENTER THE INDUCTION WELDER OVER THE FIRST PLATE IN PATTERN AND ACTIVATE THE WELD.
a. INDUCTION WELDER MUST BE CENTERED OVER THE PLATE TO CREATE A 100% BOND.
b. IF AN ERROR OCCURS DURING ACTIVATION, REFER TO THE INDUCTION WELDER OWNER'S MANUAL FOR CORRECTIVE ACTION.
3. PRIOR TO EVERY USE, CLEAN FACE OF HEAT SINK MAGNET.
4. PLACE HEAT SINK MAGNET OVER THE WELDED PLATE.
a. KEEP HEAT SINK MAGNET IN PLACE AT LEAST 45 SECONDS WHILE THE ASSEMBLY COOLS.
5. REPEAT PROCESS FOR EACH PLATE.
G. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.8 BASE FLASHING INSTALLATION
A. INSTALL SHEET FLASHINGS AND PREFORMED FLASHING ACCESSORIES AND ADHERE TO SUBSTRATES IN ACCORDANCE WITH MEMBRANE ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. APPLY SOLVENT-BASED BONDING ADHESIVE AT REQUIRED RATE AND ALLOW TO PARTIALLY DRY. DO NOT APPLY BONDING ADHESIVE TO SEAM AREA OF FLASHING.
C. FLASH PENETRATIONS AND FIELD-FORMED INSIDE AND OUTSIDE CORNERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
D. CLEAN SEAM AREAS AND OVERLAP AND FIRMLY ROLL SHEET FLASHINGS INTO THE ADHESIVE. WELD SIDE AND END LAPS TO ENSURE A WATERTIGHT SEAM INSTALLATION.
E. TERMINATE AND SEAL TOP OF SHEET FLASHINGS AND MECHANICALLY ANCHOR TO SUBSTRATE THROUGH TERMINATION BARS.
F. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.9 WALKWAY INSTALLATION
A. FLEXIBLE WALKWAYS: INSTALL WALKWAY PRODUCTS IN LOCATIONS INDICATED. HEAT-WELD WALKWAY PRODUCTS TO SUBSTRATE ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.10 FIELD QUALITY CONTROL
A. FINAL ROOF INSPECTION: ARRANGE FOR ROOFING SYSTEM MANUFACTURER'S REGISTERED ROOF OBSERVER (RRO) TO INSPECT ROOFING INSTALLATION ON COMPLETION AND SUBMIT REPORT TO ARCHITECT.
1. NOTIFY ARCHITECT OR OWNER 48 HOURS IN ADVANCE OF DATE AND TIME OF INSPECTION.
B. REPAIR OR REMOVE AND REPLACE COMPONENTS OF ROOFING SYSTEM WHERE TEST RESULTS OR INSPECTIONS INDICATE THAT THEY DO NOT COMPLY WITH SPECIFIED REQUIREMENTS.
C. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.

3.11 PROTECTION AND CLEANING
A. PROTECT ROOFING SYSTEM FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.
B. CORRECT DEFICIENCIES IN OR REMOVE ROOFING SYSTEM THAT DOES NOT COMPLY WITH REQUIREMENTS, REPAIR SUBSTRATES, AND REPAIR OR REINSTALL ROOFING SYSTEM TO A CONDITION FREE OF DAMAGE AND DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION AND ACCORDING TO WARRANTY REQUIREMENTS.
C. CLEAN OVERSPRAY AND SPILLAGE FROM ADJACENT CONSTRUCTION USING CLEANING AGENTS AND PROCEDURES RECOMMENDED BY MANUFACTURER OF AFFECTED CONSTRUCTION.

SECTION 07 5419
POLYVINYL CHLORIDE (PVC) MEMBRANE ROOFING

PART 1 GENERAL
1.1 SECTION INCLUDES
A. PVC MECHANICALLY FASTENED MEMBRANE ROOFING SYSTEM.
B. ROOF INSULATION.

1.4 DESIGN CRITERIA
A. GENERAL: INSTALLED ROOFING MEMBRANE SYSTEMS SHALL REMAIN WATERTIGHT; AND RESIST SPECIFIED WIND UPLIFT PRESSURES, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE.
B. MATERIAL COMPATIBILITY: ROOFING MATERIALS SHALL BE COMPATIBLE WITH ONE ANOTHER UNDER CONDITIONS OF SERVICE AND APPLICATION REQUIRED, AS DEMONSTRATED BY ROOFING SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.
C. WIND UPLIFT PERFORMANCE: ROOFING SYSTEM SHALL BE IDENTICAL TO SYSTEMS THAT HAVE BEEN SUCCESSFULLY TESTED BY A QUALIFIED TESTING AND INSPECTING AGENCY TO RESIST WIND UPLIFT PRESSURE CALCULATED IN ACCORDANCE WITH ASCE 7.
1. FIELD-OF-ROOF UPLIFT PRESSURE:
2. PERIMETER UPLIFT PRESSURE:
3. CORNER UPLIFT PRESSURE:
1.5 SUBMITTALS
A. PRODUCT DATA: MANUFACTURER'S PRODUCT DATA SHEETS FOR EACH PRODUCT TO BE PROVIDED.
B. DETAIL DRAWINGS: PROVIDE ROOFING SYSTEM PLANS, ELEVATIONS, SECTIONS, DETAILS, AND DETAILS OF ATTACHMENT TO OTHER WORK, INCLUDING:
1. BASE FLASHINGS, CANTS, AND MEMBRANE TERMINATIONS.
2. TAPERED INSULATION, INCLUDING SLOPES.
3. CRICKETS, SADDLES, AND TAPERED EDGE STRIPS, INCLUDING SLOPES.
4. INSULATION FASTENING PATTERNS.
C. VERIFICATION SAMPLES: PROVIDE FOR EACH PRODUCT SPECIFIED.
D. INSTALLER CERTIFICATES: SIGNED BY ROOFING SYSTEM MANUFACTURER CERTIFYING THAT INSTALLER IS APPROVED, AUTHORIZED, OR LICENSED BY MANUFACTURER TO INSTALL ROOFING SYSTEM.
E. MAINTENANCE DATA: REFER TO JOHNS MANVILLE'S LATEST PUBLISHED DOCUMENTS ON WWW.JM.COM.
F. GUARANTEES: PROVIDE MANUFACTURER'S CURRENT GUARANTEE SPECIMEN.
1.6 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: QUALIFIED FIRM THAT IS APPROVED, AUTHORIZED, OR LICENSED BY ROOFING SYSTEM MANUFACTURER TO INSTALL MANUFACTURER'S PRODUCT AND IS ELIGIBLE TO RECEIVE THE SPECIFIED MANUFACTURER'S GUARANTEE.
B. MANUFACTURER QUALIFICATIONS: QUALIFIED MANUFACTURER THAT HAS UL LISTING FOR ROOFING SYSTEM IDENTICAL TO THAT USED FOR THIS PROJECT.
C. TESTING AGENCY QUALIFICATIONS: INDEPENDENT TESTING AGENCY WITH THE EXPERIENCE AND CAPABILITY TO CONDUCT THE TESTING INDICATED, AS DOCUMENTED IN ACCORDANCE WITH ASTM E329.
D. TEST REPORTS:
1. ROOF DRAIN AND LEADER TEST OR SUBMIT PLUMBER'S VERIFICATION.
2. CORE CUT (IF REQUESTED).
3. ROOF DECK FASTENER PULLOUT TEST.
E. SOURCE LIMITATIONS: OBTAIN ALL COMPONENTS FROM THE SINGLE SOURCE ROOFING SYSTEM MANUFACTURER GUARANTEEING THE ROOFING SYSTEM. ALL PRODUCTS USED IN THE SYSTEM SHALL BE LABELED BY THE SINGLE SOURCE ROOFING SYSTEM MANUFACTURER ISSUING THE GUARANTEE.
F. FIRE-TEST-RESPONSE CHARACTERISTICS: ROOFING MATERIALS SHALL COMPLY WITH THE FIRE-TEST-RESPONSE CHARACTERISTICS INDICATED AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER TEST METHOD BELOW BY UL, OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. MATERIALS SHALL BE IDENTIFIED WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AND INSPECTING AGENCY.
1. EXTERIOR FIRE-TEST EXPOSURE: CLASS [A] [B] [C]; ASTM E 108, FOR APPLICATION AND ROOF SLOPES INDICATED.
2. FIRE-RESISTANCE RATINGS: ASTM E 119, FOR FIRE-RESISTANCE-RATED ROOF ASSEMBLIES OF WHICH ROOFING SYSTEM IS A PART.
1.7 DELIVERY, STORAGE, AND HANDLING
A. DELIVER ROOFING MATERIALS IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELED WITH MANUFACTURER'S NAME, PRODUCT BRAND NAME AND TYPE, DATE OF MANUFACTURE, AND DIRECTIONS FOR STORAGE.
B. STORE LIQUID MATERIALS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY, PROTECTED LOCATION AND WITHIN THE TEMPERATURE RANGE REQUIRED BY ROOFING SYSTEM MANUFACTURER.
C. PROTECT ROOF INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY SUNLIGHT, MOISTURE, SOILING, AND OTHER SOURCES. COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING INSTALLATION.
D. HANDLE AND STORE ROOFING MATERIALS AND PLACE EQUIPMENT IN A MANNER TO AVOID PERMANENT DEFLECTION OF DECK.
1.8 PROJECT CONDITIONS
A. WEATHER LIMITATIONS: PROCEED WITH INSTALLATION ONLY WHEN CURRENT AND FORECASTED WEATHER CONDITIONS PERMIT ROOFING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND GUARANTEE REQUIREMENTS.
1.9 GUARANTEES
A. PROVIDE MANUFACTURER'S SYSTEM GUARANTEE EQUAL TO JOHNS MANVILLE'S PEAK ADVANTAGE NO DOLLAR LIMIT ROOFING SYSTEM GUARANTEE.
1. SINGLE-SOURCE SPECIAL GUARANTEE INCLUDES ROOFING MEMBRANE, BASE FLASHINGS, ROOFING MEMBRANE ACCESSORIES, ROOF INSULATION, FASTENERS, WALKWAY PRODUCTS, AND OTHER SINGLE-SOURCE COMPONENTS OF ROOFING SYSTEM MARKETED BY THE MANUFACTURER.
2. GUARANTEE PERIOD: 15 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
B. INSTALLER'S GUARANTEE: SUBMIT ROOFING INSTALLER'S GUARANTEE SIGNED BY INSTALLER, COVERING WORK OF THIS SECTION, INCLUDING ALL COMPONENTS OF ROOFING SYSTEM, FOR THE FOLLOWING GUARANTEE PERIOD:
1. GUARANTEE PERIOD: TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
C. EXISTING GUARANTEES: GUARANTEES ON EXISTING BUILDING ELEMENTS SHOULD NOT BE AFFECTED BY SCOPE OF WORK.
1. INSTALLER IS RESPONSIBLE FOR COORDINATING WITH BUILDING OWNER'S REPRESENTATIVE TO VERIFY COMPLIANCE.

PART 5 PRODUCTS
5.1 POLYVINYL-CHLORIDE ROOFING MEMBRANE - PVC
A. PVC SHEET: ASTM D 4434, TYPE III, FABRIC REINFORCED THAT CONTAINS KEE (ELVALOY) TO REDUCE PLASTICIZER MIGRATION. BASIS OF DESIGN: JM PVC
1. CERTIFICATION, BY LETTER, STATING THAT THE FORMULATION HAS A MINIMUM 20 YEARS OF PERFORMANCE HISTORY IN NORTH AMERICA.
2. THICKNESS: 50 MILS (1.27 MM), NOMINAL
3. EXPOSED FACE COLOR: WHITE
5.2 AUXILIARY ROOFING MATERIALS - SINGLE PLY
A. GENERAL: AUXILIARY MATERIALS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER FOR INTENDED USE AND COMPATIBLE WITH MEMBRANE ROOFING.
1. LIQUID-TYPE AUXILIARY MATERIALS SHALL MEET VOC LIMITS OF AUTHORITIES HAVING JURISDICTION.
B. SHEET FLASHING: MANUFACTURER'S INTERNALLY REINFORCED OR SCRIM REINFORCED, SMOOTH BACKED MEMBRANE WITH SAME THICKNESS AND COLOR AS SHEET MEMBRANE. BASIS OF DESIGN: JM PVC
C. BONDING ADHESIVE: MANUFACTURER'S STANDARD SOLVENT-BASED BONDING ADHESIVE FOR MEMBRANE, AND SOLVENT-BASED BONDING ADHESIVE FOR BASE FLASHINGS. BASIS OF DESIGN: JM PVC MEMBRANE ADHESIVE (LOW VOC)
D. METAL TERMINATION BARS: MANUFACTURER'S STANDARD PREDRILLED STAINLESS-STEEL OR ALUMINUM BARS, WITH ANCHORS. BASIS OF DESIGN: JM TERMINATION SYSTEMS
E. FASTENERS: FACTORY-COATED STEEL FASTENERS AND METAL OR PLASTIC PLATES MEETING CORROSION-RESISTANCE PROVISIONS IN FMG 4470, DESIGNED FOR FASTENING MEMBRANE TO SUBSTRATE, AND ACCEPTABLE TO MEMBRANE ROOFING SYSTEM MANUFACTURER. BASIS OF DESIGN: HIGH LOAD FASTENERS AND PLATES
F. INDUCTION WELDING PLATE: A ROUND SPECIALLY COATED GALVALUME® PLATE WITH A RECESSED CENTER AND RAISED FLAT BONDING SURFACE SPECIFICALLY DESIGNED FOR INDUCTION WELDING APPLICATION. BASIS OF DESIGN: JM PVC RHINOPLATE
G. MISCELLANEOUS ACCESSORIES: PROVIDE PVC DURASEE SEALERS, PREFORMED CONE AND VENT SHEET FLASHINGS, PREFORMED INSIDE AND OUTSIDE CORNER SHEET FLASHINGS, T-JOINT COVERS, COVER STRIPS, SEALANTS, AND OTHER ACCESSORIES. BASIS OF DESIGN: JM PVC POURABLE SEALER, JM PVC PIPE BOOTS, PVC SPLIT PIPE BOOT, PVC SQUARE PIPE BOOT, JM PVC PENETRATION PAN, JM PVC UNIVERSAL CORNERS, JM PVC T-JOINT PATCH, JM PVC MEMBRANE CLEANER (LOW VOC), JM PVC-COATED METAL, JM PVC EDGE SEALANT, JM PVC PROFILE, JM PVC DETAIL STRIP, JM PVC DETAIL MEMBRANE AND JM SINGLE PLY CAULK
5.3 AUXILIARY ROOFING SYSTEM COMPONENTS
A. EXPANSION JOINTS: PROVIDE FACTORY FABRICATED WEATHERPROOF, EXTERIOR COVERS FOR EXPANSION JOINT OPENINGS CONSISTING OF FLEXIBLE RUBBER MEMBRANE, SUPPORTED BY A CLOSED CELL FOAM TO FORM FLEXIBLE BELLOWS, WITH TWO METAL FLANGES, ADHESIVELY AND MECHANICALLY COMBINED TO THE BELLOWS BY A BIFURCATION PROCESS. PROVIDE PRODUCT MANUFACTURED AND MARKETED BY SINGLE-SOURCE MEMBRANE SUPPLIER THAT IS INCLUDED IN THE NO DOLLAR LIMIT GUARANTEE. BASIS OF DESIGN: [EXPAND-O-FLASH] [EXPAND-O-GARD]
B. COPING SYSTEM: MANUFACTURER'S FACTORY FABRICATED COPING CONSISTING OF A BASE PIECE AND A SNAP-ON CAP. PROVIDE PRODUCT MANUFACTURED AND MARKETED BY SINGLE-SOURCE MEMBRANE SUPPLIER THAT IS INCLUDED IN THE NO DOLLAR LIMIT GUARANTEE. BASIS OF DESIGN: PRESTO-LOK COPING
C. FASCIA SYSTEM: MANUFACTURER'S FACTORY FABRICATED FASCIA CONSISTING OF A BASE PIECE AND A SNAP-ON COVER. PROVIDE PRODUCT MANUFACTURED AND MARKETED BY SINGLE-SOURCE MEMBRANE SUPPLIER THAT IS INCLUDED IN THE NO DOLLAR LIMIT GUARANTEE. BASIS OF DESIGN: [PRESTO LOCK FASCIA] [PRESTO-TITE FASCIA]
D. METAL EDGE SYSTEM: MANUFACTURER'S FACTORY FABRICATED METAL EDGE SYSTEM USED TO TERMINATE THE ROOF AT THE PERIMETER OF THE STRUCTURE. PROVIDE PRODUCT MANUFACTURED AND MARKETED BY SINGLE-SOURCE MEMBRANE SUPPLIER THAT IS INCLUDED IN THE NO DOLLAR LIMIT GUARANTEE. BASIS OF DESIGN: PRESTO STOP GRAVEL STOP
E. METAL FLASHING SHEET: METAL FLASHING SHEET IS SPECIFIED IN DIVISION 07 SECTION "SHEET METAL FLASHING AND TRIM."
5.4 WALKWAYS AND SAFETY STRIPS
A. FLEXIBLE WALKWAYS: FACTORY-FORMED, NONPOROUS, HEAVY-DUTY, SLIP-RESISTING, SURFACE-TEXTURED WALKWAY PADS SOURCED FROM MEMBRANE ROOFING SYSTEM MANUFACTURER. BASIS OF DESIGN: JM PVC WALKPAD
B. SAFETY STRIPS: MANUFACTURER'S MINIMUM 45 MILS, REINFORCED, UV-RESISTANT PVC (POLYVINYL CHLORIDE) WITH ELVALOY KEE (KETONE ETHYLENE ESTER) SAFETY WARNING LINE FOR ROOF PERIMETERS. BASIS OF DESIGN: JM PVC SAFETY STRIP
1. EXPOSED FACE COLOR: YELLOW
5.5 ROOF INSULATION
A. GENERAL: PREFORMED ROOF INSULATION BOARDS THAT COMPLY WITH REQUIREMENTS AND REFERENCED STANDARDS, SELECTED FROM MANUFACTURER'S STANDARD SIZES AND OF THICKNESSES INDICATED.
B. POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II, CLASS 1 GRADE 2 (20 PSI), BASIS OF DESIGN: ENRGY 3
1. INSULATION PACKAGE WITH MINIMUM R VALUE: (MINIMUM REQUIRED BY APPLICABLE CODE).
2. PROVIDE INSULATION PACKAGE IN MULTIPLE LAYERS.
3. MINIMUM LONG-TERM THERMAL RESISTANCE (LTTR): 5.7 PER INCH.
a. DETERMINED IN ACCORDANCE WITH CAN/ULC S770 AT 75ºF (24ºC)
5.6 TAPERED INSULATION
A. TAPERED INSULATION: ASTM C 1289, TYPE II, CLASS 1 GRADE 2 (20 PSI), PROVIDE FACTORY-TAPERED INSULATION BOARDS FABRICATED TO SLOPE OF 1/4 INCH PER 12 INCHES (1:48), UNLESS OTHERWISE INDICATED. BASIS OF DESIGN: TAPERED ENRGY 3
5.7 INSULATION ACCESSORIES
A. GENERAL: ROOF INSULATION ACCESSORIES RECOMMENDED BY INSULATION MANUFACTURER FOR INTENDED USE AND COMPATIBLE WITH MEMBRANE ROOFING.
B. FASTENERS: FACTORY-COATED STEEL FASTENERS AND METAL OR PLASTIC PLATES MEETING CORROSION-RESISTANCE PROVISIONS IN FMG 4470, DESIGNED FOR FASTENING ROOF INSULATION TO SUBSTRATE, AND FURNISHED BY ROOFING SYSTEM MANUFACTURER. BASIS OF DESIGN: ULTRAFAST FASTENERS AND PLATES
C. WOOD NAILER STRIPS: COMPLY WITH REQUIREMENTS IN DIVISION 06 SECTION "MISCELLANEOUS ROUGH CARPENTRY."

PART 6 EXECUTION
6.1 EXAMINATION
A. EXAMINE SUBSTRATES, AREAS, AND CONDITIONS FOR COMPLIANCE WITH THE REQUIREMENTS AFFECTING PERFORMANCE OF ROOFING SYSTEM.
1. GENERAL:
a. VERIFY THAT ROOF OPENINGS AND PENETRATIONS ARE IN PLACE AND SET AND BRACED AND THAT ROOF DRAINS ARE SECURELY CLAMPED IN PLACE.
b. VERIFY THAT WOOD CANTS, BLOCKING, CURBS, AND NAILERS ARE SECURELY ANCHORED TO ROOF DECK AT PENETRATIONS AND TERMINATIONS AND THAT NAILERS MATCH THICKNESSES OF INSULATION.
BLOCKING, CURBS, AND NAILERS ARE REQUIRED AT EDGES OF ROOF PENETRATIONS, AREA DIVIDERS, AND TERMINATIONS.
2. ENSURE GENERAL RIGIDITY AND PROPER SLOPE FOR DRAINAGE.
3. VERIFY THAT DECK IS SECURELY FASTENED WITH NO PROJECTING FASTENERS AND WITH NO ADJACENT UNITS IN EXCESS OF 1/16 INCH (1.6 MM) OUT OF PLANE RELATIVE TO ADJOINING DECK.
B. UNACCEPTABLE PANELS SHOULD BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND PROJECT OWNER'S REPRESENTATIVE AND MUST BE CORRECTED PRIOR TO INSTALLATION OF ROOFING SYSTEM.
C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.2 PREPARATION
A. CLEAN AND REMOVE FROM SUBSTRATE SHARP PROJECTIONS, DUST, DEBRIS, MOISTURE, AND OTHER SUBSTANCES DETRIMENTAL TO ROOFING INSTALLATION IN ACCORDANCE WITH ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. PREVENT MATERIALS FROM ENTERING AND CLOGGING ROOF DRAINS AND CONDUCTORS AND FROM SPILLING OR MIGRATING ONTO SURFACES OF OTHER CONSTRUCTION.
C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.3 INSULATION INSTALLATION
A. COORDINATE INSTALLATION OF ROOF SYSTEM COMPONENTS SO INSULATION AND COVER BOARD IS NOT EXPOSED TO PRECIPITATION OR LEFT EXPOSED AT THE END OF THE WORKDAY.
B. COMPLY WITH ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF ROOF INSULATION AND COVER BOARD.
C. INSTALL TAPERED INSULATION UNDER AREA OF ROOFING TO CONFORM TO SLOPES INDICATED.
D. INSTALL INSULATION BOARDS WITH LONG JOINTS IN A CONTINUOUS STRAIGHT LINE WITH END JOINTS STAGGERED BETWEEN ROWS, ABUTTING EDGES AND ENDS BETWEEN BOARDS. FILL GAPS EXCEEDING 1/4 INCH (6 MM) WITH LIKE MATERIAL.
E. INSTALL 2 OR MORE LAYERS WITH JOINTS OF EACH SUCCEEDING LAYER STAGGERED FROM JOINTS OF PREVIOUS LAYER A MINIMUM OF 6 INCHES (150 MM) IN EACH DIRECTION.
F. TRIM SURFACE OF INSULATION BOARDS WHERE NECESSARY AT ROOF DRAINS SO COMPLETED SURFACE IS FLUSH AND DOES NOT RESTRICT FLOW OF WATER.
G. INSTALL TAPERED EDGE STRIPS AT PERIMETER EDGES OF ROOF THAT DO NOT TERMINATE AT VERTICAL SURFACES.
H. PRELIMINARILY FASTENED INSULATION FOR MECHANICALLY FASTENED SYSTEMS: INSTALL INSULATION WITH FASTENERS AT RATE REQUIRED BY ROOFING SYSTEM MANUFACTURER OR APPLICABLE AUTHORITY, WHICHEVER IS MORE STRINGENT.
1. FASTEN TOP LAYER TO RESIST UPLIFT PRESSURE AT CORNERS, PERIMETER, AND FIELD OF ROOF.
RETAIN PARAGRAPH BELOW IF ADHERING EACH LAYER OF INSULATION AND COVER BOARD.
RETAIN PARAGRAPH BELOW IF MECHANICALLY FASTENING LAYERS.
I. LOOSE LAID INSULATION WITH TOP INSULATION LAYER MECHANICALLY FASTENED: LOOSE LAY INSULATION WITH STAGGERED JOINTS AND SECURE TOP LAYER OF INSULATION TO DECK USING MECHANICAL FASTENERS SPECIFICALLY DESIGNED AND SIZED FOR FASTENING SPECIFIED BOARD-TYPE TO DECK TYPE.
1. FASTEN TOP LAYER TO RESIST UPLIFT PRESSURE AT CORNERS, PERIMETER, AND FIELD OF ROOF.
J. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.4 ROOFING MEMBRANE INSTALLATION, GENERAL
A. INSTALL ROOFING MEMBRANE IN ACCORDANCE WITH ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE RECOMMENDATIONS OF THE ROOFING MANUFACTURER AND REQUIREMENTS IN THIS SECTION.
B. TART INSTALLATION OF ROOFING MEMBRANE IN PRESENCE OF ROOFING SYSTEM MANUFACTURER'S TECHNICAL PERSONNEL.
C. WHERE ROOF SLOPE EXCEEDS 1/2 INCH PER 12 INCHES (1:24), CONTACT THE MEMBRANE MANUFACTURER FOR INSTALLATION INSTRUCTIONS REGARDING INSTALLATION DIRECTION AND BACKNAILING.
D. COOPERATE WITH TESTING AND INSPECTING AGENCIES ENGAGED OR REQUIRED TO PERFORM SERVICES FOR INSTALLING ROOFING SYSTEM.
E. COORDINATE INSTALLING ROOFING SYSTEM SO INSULATION AND OTHER COMPONENTS OF THE ROOFING MEMBRANE SYSTEM NOT PERMANENTLY EXPOSED ARE NOT SUBJECTED TO PRECIPITATION OR LEFT UNCOVERED AT THE END OF THE WORKDAY OR WHEN RAIN IS IMMINENT.
1. PROVIDE TIE-OFFS AT END OF EACH DAY'S WORK TO COVER EXPOSED ROOFING MEMBRANE SHEETS AND INSULATION WITH JOINTS AND EDGES SEALED.
2. COMPLETE TERMINATIONS AND BASE FLASHINGS AND PROVIDE TEMPORARY SEALS TO PREVENT WATER FROM ENTERING COMPLETED SECTIONS OF ROOFING SYSTEM.
3. REMOVE AND DISCARD TEMPORARY SEALS BEFORE BEGINNING WORK ON ADJOINING ROOFING.
F. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.5 MECHANICALLY FASTENED ROOFING MEMBRANE INSTALLATION
A. INSTALL ROOFING MEMBRANE OVER AREA TO RECEIVE ROOFING IN ACCORDANCE WITH ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
1. UNROLL ROOFING MEMBRANE AND ALLOW TO RELAX BEFORE INSTALLING.
2. INSTALL SHEET IN ACCORDANCE WITH ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. ACCURATELY ALIGN ROOFING MEMBRANES AND MAINTAIN UNIFORM SIDE AND END LAPS OF MINIMUM DIMENSIONS REQUIRED BY MANUFACTURER. STAGGER END LAPS.
C. MECHANICALLY FASTEN ROOFING MEMBRANE SECURELY AT TERMINATIONS, PENETRATIONS, AND PERIMETER OF ROOFING.
D. "PICTURE FRAME" INSTALLATION METHOD IS NOT PERMITTED.
E. APPLY ROOFING MEMBRANE WITH SIDE LAPS SHINGLED WITH SLOPE OF ROOF DECK WHERE POSSIBLE.
F. SEAMS: CLEAN SEAM AREAS, OVERLAP ROOFING MEMBRANE, AND HOT-AIR WELD SIDE AND END LAPS OF ROOFING MEMBRANE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS TO ENSURE A WATERTIGHT SEAM INSTALLATION.
1. TEST LAP EDGES WITH PROBE TO VERIFY SEAM WELD CONTINUITY.
2. VERIFY FIELD STRENGTH OF SEAMS A MINIMUM OF TWICE DAILY AND REPAIR SEAM SAMPLE AREAS.
a. REMOVE AND REPAIR ANY UNSATISFACTORY SECTIONS BEFORE PROCEEDING WITH WORK.
3. REPAIR TEARS, VOIDS, AND LAPPED SEAMS IN ROOFING MEMBRANE THAT DO NOT MEET REQUIREMENTS.
G. SPREAD SEALANT OR MASTIC BED OVER DECK DRAIN FLANGE AT DECK DRAINS AND SECURELY SEAL ROOFING MEMBRANE IN PLACE WITH CLAMPING RING.
H. IN-SPLICE ATTACHMENT: SECURE ONE EDGE OF ROOFING MEMBRANE USING FASTENING PLATES AND METAL BATTENS CENTERED WITHIN MEMBRANE SPLICE AND MECHANICALLY FASTEN ROOFING MEMBRANE TO ROOF DECK. FIELD-SPLICE SEAM.
I. INSTALL ROOFING MEMBRANE AND AUXILIARY MATERIALS TO TIE IN TO EXISTING ROOFING.
J. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.6 BASE FLASHING INSTALLATION
A. INSTALL SHEET FLASHINGS AND PREFORMED FLASHING ACCESSORIES AND ADHERE TO SUBSTRATES IN ACCORDANCE WITH MEMBRANE ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. APPLY SOLVENT-BASED BONDING ADHESIVE AT REQUIRED RATE AND ALLOW TO PARTIALLY DRY. DO NOT APPLY BONDING ADHESIVE TO SEAM AREA OF FLASHING.
C. FLASH PENETRATIONS AND FIELD-FORMED INSIDE AND OUTSIDE CORNERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
D. CLEAN SEAM AREAS AND OVERLAP AND FIRMLY ROLL SHEET FLASHINGS INTO THE ADHESIVE. WELD SIDE AND END LAPS TO ENSURE A WATERTIGHT SEAM INSTALLATION.
E. TERMINATE AND SEAL TOP OF SHEET FLASHINGS AND MECHANICALLY ANCHOR TO SUBSTRATE THROUGH TERMINATION BARS.
F. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.7 WALKWAY INSTALLATION
A. FLEXIBLE WALKWAYS: INSTALL WALKWAY PRODUCTS IN LOCATIONS INDICATED. HEAT-WELD WALKWAY PRODUCTS TO SUBSTRATE ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. ROOF-PAVER WALKWAYS: INSTALL WALKWAY ROOF PAVERS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS IN LOCATIONS INDICATED, TO FORM WALKWAYS. LEAVE 3 INCHES (75 MM) OF SPACE BETWEEN ADJACENT ROOF PAVERS.
C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
6.8 FIELD QUALITY CONTROL
A. TESTING AGENCY: OWNER WILL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM ROOF TESTS AND INSPECTIONS AND TO PREPARE TEST REPORTS.
B. FINAL ROOF INSPECTION: ARRANGE FOR ROOFING SYSTEM MANUFACTURER'S REGISTERED ROOF OBSERVER (RRO) TO INSPECT ROOFING INSTALLATION ON COMPLETION AND SUBMIT REPORT TO ARCHITECT.
1. NOTIFY ARCHITECT OR OWNER 48 HOURS IN ADVANCE OF DATE AND TIME OF INSPECTION.
C. REPAIR OR REMOVE AND REPLACE COMPONENTS OF ROOFING SYSTEM WHERE TEST RESULTS OR INSPECTIONS INDICATE THAT THEY DO NOT COMPLY WITH SPECIFIED REQUIREMENTS.
D. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF
E. REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
6.9 PROTECTION AND CLEANING
A. PROTECT ROOFING SYSTEM FROM DAMAGE AND WEAR DURING

CONSTRUCTION SPECIFICATIONS:

SECTION 08 1416
FLUSH WOOD DOORS
(CONTINUED)

3.2 INSTALLATION
A. INSTALL DOORS IN ACCORDANCE WITH WDMA I.S.1A.
B. INSTALL DOORS PLUMB AND LEVEL.
C. FIELD FITTING TO FRAMES:
1. NON-RATED DOORS:
a. WIDTH: CUT HINGE AND LOCK EDGES EQUALLY.
b. HEIGHT: CUT BOTTOM EDGE ONLY; MAXIMUM 3/4 INCH.
2. EDGE CLEARANCES:
a. JAMBS AND HEAD: 1/8 INCH MAXIMUM BETWEEN DOOR AND FRAME.
b. SILLS WITHOUT THRESHOLDS: 1/8 INCH MAXIMUM BETWEEN DOOR AND TOP OF FINISH FLOOR.
3. LOCK EDGE: BEVEL 1/8 INCH IN 2 INCHES.
4. DO NOT CUT DOORS DOWN TO OPENING SIZES SMALLER THAN THOSE FOR WHICH THEY WERE MANUFACTURED.
D. INSTALLATION TOLERANCES:
1. WARP: MAXIMUM 1/4 INCH IN ANY 3'-0" X 7'-0" PORTION OF DOOR, MEASURED WITH TAUT STRING OR STRAIGHT EDGE ON CONCAVE FACE OF DOOR.

SECTION 08 2113
PLASTIC FACED SOLID CORE METAL CLAD DOOR

PART 1 GENERAL
1.2 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT.
2. REGIONAL MATERIALS.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. ELIASON CORPORATION, KALAMAZOO, MI
2.2 MATERIALS
A. DOOR BODY
1. .063" THICK TEMPERED ALUMINUM ALLOY WITH DELTA FORMED VERTICAL EDGES.
2. RECYCLED CONTENT: MINIMUM PERCENT, WITH MINIMUM PERCENT CLASSIFIED AS POST-CONSUMER AS SHOWN ON DRAWINGS
2.3 FINISHES
REFER TO DOOR SCHEDULE SHEET.

PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL DOORS AND FRAMES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.

SECTION 08 4113
ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. ALUMINUM ENTRANCE DOORS AND FRAMES.
2. ALUMINUM FRAMED GLAZED STOREFRONTS.
3. GLASS INFILL PANELS.
4. DOOR HARDWARE.
1.3 SYSTEM DESCRIPTION
A. DESIGN REQUIREMENTS: DESIGN EXTERIOR SYSTEMS TO WITHSTAND:
1. DESIGN WIND PRESSURE IN ACCORDANCE WITH ASCE 7, BUILDING CODE, TESTED IN ACCORDANCE WITH ASTM E330.
2. MOVEMENT CAUSED BY AN AMBIENT TEMPERATURE RANGE OF 120 DEGREES F AND A SURFACE TEMPERATURE RANGE OF 160 DEGREES F.
B. PERFORMANCE REQUIREMENTS:
1. AIR INFILTRATION, TESTED TO ASTM E283.
a. ENTRANCES:
1) SINGLE DOOR: MAXIMUM 0.5 CFM PER MINUTE PER LINEAR FOOT OF PERIMETER CRACK, AT STATIC PRESSURE DIFFERENTIAL OF 6.24 PSF.
b. STOREFRONT: 0.06 CFM PER SQUARE FOOT OF FIXED AREA AT STATIC PRESSURE DIFFERENTIAL OF 6.24 PSF.
2. WATER INFILTRATION: NO UNCONTROLLED WATER LEAKAGE, TESTED TO ASTM E331 AT MINIMUM TEST PRESSURE OF 6.24 PSF FOR INSWING DOORS AND 8.0 PSF FOR OUTSWING DOORS AND STOREFRONT.
3. UNIFORM STRUCTURAL LOADING: NO GLASS BREAKAGE OR PERMANENT DAMAGE TO FASTENERS OR SYSTEM COMPONENTS, TESTED TO ASTM E330 AT 1.5 TIMES DESIGN PRESSURE
4. THERMAL TRANSMITTANCE DUE TO CONDUCTION (UC): MAXIMUM 0.60, TESTED TO AAMA 1503 ON TWO 6'-0" X 6'-0" UNITS WITH 1 INCH CLEAR INSULATING GLASS.
5. CONDENSATION RESISTANCE FACTOR (CRF): MINIMUM 50, TESTED TO AAMA 1503.
1.4 SUBMITTALS
A. SUBMITTALS FOR REVIEW:
1. SHOP DRAWINGS: INDICATE SYSTEM DIMENSIONS, FRAMED OPENING REQUIREMENTS AND TOLERANCES, TRIM, SEALERS, HARDWARE, AND ACCESSORIES.
B. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT.
2. REGIONAL MATERIALS.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. UNITED STATES ALUMINUM
2. YKK AP AMERICA, INC. (WWW.YKKAP.COM)
2.2 MATERIALS
A. ALUMINUM:
1. EXTRUSIONS: ASTM B221, 6063-T5 ALLOY AND TEMPER.
2. SHEET: ASTM B209, ALLOY AND TEMPER BEST SUITED TO APPLICATION.
3. RECYCLED CONTENT: MINIMUM PERCENT, WITH MINIMUM PERCENT CLASSIFIED AS POST-CONSUMER AS SHOWN ON DRAWINGS.
2.3 COMPONENTS
A. ENTRANCES DOORS: NARROW STILE CONFIGURATION WITH NOMINAL 2 INCH VERTICAL STILES AND TOP RAIL AND 10 INCH BOTTOM RAIL.
B. STOREFRONT: FLUSH GLAZING SYSTEM DESIGNED TO RECEIVE 1 INCH GLASS BY MEANS OF ELASTOMERIC GASKETS; 2 INCH FACE WIDTH X 4-1/2 INCH DEPTH, CENTER GLASS APPLICATION, THERMALLY BROKEN.
C. DOOR HARDWARE: SPECIFIED IN SECTION 08 7100.
2.4 ACCESSORIES
A. FASTENERS:
1. SERIES 300 STAINLESS STEEL FOR WET LOCATIONS AND EXPOSED FASTENERS.
2. STAINLESS OR FLUOROPOLYMER COATED STEEL FOR OTHER LOCATIONS.
B. JOINT SEALERS: SPECIFIED IN SECTION 07 9200.
C. GLASS AND GLAZING ACCESSORIES: SPECIFIED IN SECTION 08 8000.
D. WEATHERSTRIPPING: REPLACEABLE, NONPOROUS SYNTHETIC WOOL PILE TYPE.
2.5 FABRICATION
A. FABRICATE WITH MINIMAL CLEARANCES AND SHIM SPACES AROUND PERIMETER.
B. ACCURATELY FIT AND SECURE JOINTS AND INTERSECTIONS. MAKE JOINTS FLUSH, HAIRLINE, AND WEATHERTIGHT.
C. FABRICATE IN LARGEST PRACTICAL UNITS.
D. CONCEAL FASTENERS AND ATTACHMENTS FROM VIEW.
E. FABRICATE ALUMINUM COMPONENTS WITH INTEGRAL LOW CONDUCTANCE THERMAL BARRIER LOCATED BETWEEN EXTERIOR AND INTERIOR EXPOSED COMPONENTS THAT ELIMINATES METAL-TO-METAL CONTACT.
F. DOORS:
1. MECHANICALLY FASTENED AND WELDED CORNER CONSTRUCTION.
2. FABRICATE STILES AND RAILS OF MINIMUM 0.188 INCH THICK EXTRUSIONS AND GLASS STOPS FROM MINIMUM 0.050 INCH THICK EXTRUSIONS.
3. PROVIDE WEATHERSTRIPPING AT DOOR HEAD, JAMBS, MEETING STILES, AND SILLS.
4. PREPARE WITH INTERNAL REINFORCEMENTS FOR DOOR HARDWARE.
2.6 FINISHES
A. ALUMINUM: AAMA 611, ARCHITECTURAL CLASS I ANODIZED TO 0.0007 INCH MINIMUM THICKNESS, **ALUMINUM ANODIZED FINISH.**

PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
B. INSTALL COMPONENTS PLUMB AND LEVEL, IN PROPER PLANE, FREE FROM WARP AND TWIST.
C. ANCHOR TO SUPPORTING CONSTRUCTION.
D. SET THRESHOLDS AND SILL MEMBERS EXPOSED TO WEATHER IN MASTIC AND SECURE.
E. INSTALL HARDWARE USING TEMPLATES PROVIDED BY MANUFACTURER.
F. INSTALL GLASS AND ACCESSORIES IN ACCORDANCE WITH SECTION 08 8000.
G. INSTALLATION TOLERANCES:
1. MAXIMUM VARIATION FROM PLUMB OR LEVEL: 1/8 INCH IN 3 FEET OR 1/4 INCH IN ANY 10 FEET, WHICHEVER IS LESS.
2. MAXIMUM MISALIGNMENT OF MEMBERS ABUTTING END TO END: 1/32 INCH.
3. SEALANT SPACE BETWEEN FRAMING MEMBERS AND ADJACENT CONSTRUCTION: 1/2 INCH PLUS OR MINUS 1/8 INCH.
3.2 ADJUSTING
A. ADJUST HARDWARE FOR SMOOTH OPERATION.
B. ADJUST DOORS TO OPERATE WITH MAXIMUM OPENING FORCES[IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY CODE.
C. TOUCH UP MINOR SCRATCHES AND ABRASIONS TO MATCH ORIGINAL FINISH.
D. ADJUST WEATHERSTRIPPING TO CONTACT APPROPRIATE SURFACES AND FORM WEATHER SEAL.

SECTION 08 5619
DRIVE-THRU WINDOW

PART 1 GENERAL
1.1 WORK INCLUDED
A. FURNISH ALL LABOR, MATERIAL, SERVICE AND EQUIPMENT NECESSARY TO COMPLETE THE INSTALLATION OF THE DRIVE-THRU WINDOW AS DETAILED ON THE DRAWINGS AND SPECIFIED IN THIS SECTION.

PART 2 PRODUCTS
2.1 DRIVE-THRU WINDOW
A. SHALL BE AS MANUFACTURED BY:
1. READY-ACCESS OF WEST CHICAGO, ILLINOIS - SEE NATIONAL ACCOUNT SOURCE INFORMATION FOR ORDERING INFORMATION.
2. QUICKSERVE OF HOUSTON, TX - SEE NATIONAL ACCOUNT SOURCE INFORMATION FOR ORDERING INFORMATION.
B. READY-ACCESS OR QUICKSERVE (FLUSH MOUNT, SINGLE PARTING), SHALL MEET THE FOLLOWING CRITERIA:
1. TOTAL OVERALL DIMENSION FOR DRIVE THRU WINDOW 48 IN. WIDE BY 44 IN. HIGH. (NO TRANSOM); TOTAL OVERALL DIMENSIONS FOR DRIVE THRU WINDOW WITH TRANSOME ABOVE 48 IN. WIDE BY 60 IN. HIGH.
2. WINDOW OPENING SIZE 19 IN. WIDE BY 35 IN. HIGH.
3. CLEAR ANODIZED ALUMINUM EXTRUSIONS.
4. TRACK FREE BOTTOM SILL PROVIDES FOR A CONTAMINANT SURFACE.
5. AUTOMATIC LOCKS EACH TIME THE WINDOW CLOSES.
6. SLIDING WINDOW AUTOMATICALLY OPENS HORIZONTALLY WHEN THE SERVER STEPS INTO THE RANGE OF THE WINDOW SCAN CONTROL WINDOW REMAINS OPEN A LONG AS SERVER STAYS IN SCAN BEAM. WINDOW CLOSES ONCE SERVER STEPS AWAY FROM WINDOW SCAN BEAM.
7. WINDOW CAN BE OPENED MANUALLY IF POWER GOES OFF.
8. GLASS SHALL BE 1/4 IN. TEMPERED GLASS AS SPECIFIED IN SECTION 08800.
9. INSTALLATION BY LOCAL READY-ACCESS DISTRIBUTOR (OPTIONAL).
10. ONE (1) YEAR WARRANTY ON PARTS AND LABOR.
11. PREPAID FREIGHT TO JOB SITE.
12. COLOR TO MATCH STOREFRONT
C. OPTIONAL READY-ACCESS OR QUICKSERVE - "FLUSH MOUNT, BI-PARTING AND BUMP" - ALSO AVAILABLE FOR SITUATIONS WHERE - "FLUSH MOUNT, SINGLE PARTING" - MODEL CANNOT BE USED - SEE NATIONAL ACCOUNT SOURCE INFORMATION FOR COMPLETE SPECIFICATIONS.
D. OPTIONAL QUICKSERVE MODEL ARE AVAILABLE - SEE NATIONAL ACCOUNTS

PART 3 EXECUTION
3.1 INSTALLATION OF DRIVE-THRU WINDOW
A. ALUMINUM PLACED IN CONTACT WITH DISSIMILAR MATERIAL, INCLUDING STEEL, CONCRETE, CINDER BLOCK, TILE OR OTHER MASONRY MATERIAL SHALL BE BACK-PAINTED WITH AN APPROVED BITUMINOUS PAINT.
B. ALL JOINTS BETWEEN METAL AND MASONRY SHALL BE FULLY CAULKED IN ORDER TO SECURE A WATERTIGHT JOB WITH DYMERIC 511 (MULTI-COMPONENT CHEMICALLY CURED POLYURETHANE) AS MANUFACTURED BY TREMCO MANUFACTURING COMPANY, BEECHWOOD, OHIO. APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. JOINTS SHALL BE NEATLY POINTED AND EXCESS SHALL BE REMOVED. SET FILLER PLATES IN CAULKING.
3.2 PROTECTION AND CLEANING
A. DRIVE-THRU WINDOW SHALL BE PROTECTED DURING CONSTRUCTION AND AFTER INSTALLATION TO PREVENT INJURY AND / OR STAINING. ALL ALUMINUM WORK SHALL BE THOROUGHLY CLEANED UPON COMPLETION OF THE WORK. DO NOT USE ABRASIVE CLEANING AGENTS.

SECTION 08 7100
DOOR HARDWARE

PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. HARDWARE FOR STEEL, WOOD, AND ALUMINUM DOORS.
2. WEATHERSTRIPPING AND THRESHOLDS.
3. HARDWARE FOR OTHER SECTIONS REFERENCING THIS SECTION.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - BUTT HINGES:
1. HAGER COMPANIES. (WWW.HAGERCO.COM)
B. ACCEPTABLE MANUFACTURERS - LOCKSETS, LATCHSETS, DEADBOLTS, AND CYLINDERS:
1. HAGER COMPANIES. (WWW.HAGERCO.COM)
C. ACCEPTABLE MANUFACTURERS - CLOSERS:
1. HAGER COMPANIES. (WWW.HAGERCO.COM)
D. ACCEPTABLE MANUFACTURERS - DOOR SEALS:
1. HAGER COMPANIES. (WWW.HAGERCO.COM)
2.2 MANUFACTURED UNITS
A. BUTT HINGES:
1. DESCRIPTION: ANSI/BHMA A156.1, FULL MORTISE TYPE, FIVE KNUCKLE, NON-RISING PIN, HOLE IN BOTTOM TIP FOR PIN REMOVAL.
2. EXTERIOR OUTSWINGING DOORS: PROVIDE SET SCREW IN BARREL MAKING HINGE NON-REMOVABLE WHEN DOOR IS CLOSED.
3. WEIGHT: STANDARD WEIGHT.
4. BEARING TYPE: BALL BEARING
5. SIZE: 4-1/2 X 4-1/2 INCHES.
B. LOCKSETS, LATCHSETS, DEADBOLTS, AND CYLINDERS:
1. LOCKSETS AND LATCHSETS:
a. TYPE: ANSI/BHMA A156.2, GRADE 1, CYLINDRICAL, KEY-IN-LEVER HANDLES.
2. DEADBOLTS:
a. TYPE: ANSI/BHMA A156.5, CYLINDRICAL TYPE WITH 1 INCH BOLT THROW.
b. FUNCTIONS: AS SCHEDULED.
3. STRIKE PLATES: CURVED LIP, MINIMUM LIP PROJECTION NECESSARY TO PROTECT DOOR FRAME AND TRIM AND TO CONCEAL EDGES OF STRIKE CUTOUT.
4. STRIKE BOXES: STEEL.
5. CYLINDERS: SIX PIN, SOLID BRASS.
6. KEYS: SOLID BRASS OR NICKEL SILVER.
7. KEYING:
a. CONSTRUCTION KEY LOCKS.
b. KEY ALIKE, CROSS KEY, OR OTHERWISE KEY AS DIRECTED BY OWNER.
c. PROVIDE FOUR KEYS FOR EACH LOCK.
d. INSCRIBE KEYS WITH LOCK MANUFACTURER.
C. CLOSERS:
1. DESCRIPTION: ANSI/BHMA A156.4, OVERHEAD EXPOSED, FIELD ADJUSTABLE TO DOOR CONDITIONS.
2. CONSTRUCTION: CAST ALUMINUM BODY, RACK AND PINION OPERATION WITH COMPRESSION SPRING, FULLY HYDRAULIC.
3. CLOSING AND LATCHING SPEEDS AND BACKCHECK: CONTROLLED BY INDEPENDENTLY ADJUSTABLE CONCEALED VALVES.
4. MOUNTING: SURFACE MOUNTED, NON-HANDED WITH UNIVERSAL REGULAR OR PARALLEL ARM. SUITABLE FOR MOUNTING ON 1-3/4 INCH MINIMUM DOOR TOP RAIL OR TRANSOM BAR WITHOUT DROP PLATE.
5. ADJUSTABLE OPENING FORCE AND DELAYED CLOSING IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY CODE.
D. DOOR STOPS: FLOOR MOUNTED, ALUMINUM HOUSING WITH RESILIENT BUMPER.
E. KICK PLATES:
1. TYPE: .125 INCH PLASTIC LAMINATE, BEVELED EDGES, SECURED WITH FLATHEAD COUNTERSUNK SCREWS.
2. SIZE: 8 INCHES HIGH X DOOR WIDTH LESS 2 INCHES.
F. FLUSH BOLTS: MANUAL TYPE, 12 INCHES LONG, WITH DUSTPROOF STRIKE.
2.3 FINISHES
A. FINISHES: TO ANSI/BHMA A156.18.
B. DOOR CLOSERS: FINISH NO. 689, SILVER ENAMEL.
C. THRESHOLDS AND DOOR SEAL HOUSINGS: CLEAR ANODIZED.
D. OTHER: FINISH NO. 626, SATIN CHROME PLATED.

PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL HARDWARE IN ACCORDANCE WITH APPROVED HARDWARE SCHEDULE AND MANUFACTURER'S INSTRUCTIONS.
B. INSTALL MORTISE ITEMS FLUSH WITH ADJACENT SURFACES.
C. INSTALL LOCKSETS, CLOSERS, AND TRIM AFTER FINISH PAINTING.
D. SET THRESHOLDS IN MASTIC AND SECURE.
E. MOUNT CLOSERS SO THAT CLOSERS AND CLOSER ARMS ARE NOT VISIBLE ON CORRIDOR OR PUBLIC SIDE OF DOORS OR ON EXTERIOR OF BUILDING.
F. MOUNTING HEIGHTS - SEE DRAWINGS.
3.2 PROTECTION
A. REMOVE OR PROTECT HARDWARE UNTIL PAINTING IS COMPLETED.
3.3 ADJUSTING
A. TEST AND ADJUST HARDWARE FOR QUIET, SMOOTH OPERATION, FREE FROM BINDING AND RATTLING.
B. ADJUST DOORS TO OPERATE WITH MAXIMUM OPENING FORCES IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY CODE.
3.4 SCHEDULE
A. SET NO. 1 - DOOR FROM SALES AREA TO EXTERIOR. (SEE DOOR SCHEDULE AND FLOOR PLAN FOR QUANTITY, SIZE AND DIRECTION OF SWING.)
1. TEMPORARY CYLINDER, HAGER 3901 OR 3902 AS REQUIRED.
2. HAGER 5200 MLT 1-6 DLY ALM (HANDICAP ACCESS) DOOR CLOSERS
3. OFFSET PIVOTS
4. ADAMS RITE MS 1850A DEADLOCK
5. MANUFACTURER'S STANDARD PUSH/PULL HARDWARE. REFER TO DRAWINGS FOR DOORS WHICH ARE TO BE PREPARED FOR CUSTOM "D" HANDLES. REFER TO NATIONAL ACCOUNTS FOR ORDERING AND INSTALLATION INFORMATION.
6. HAGER 4044 MIL ½" X 4" THRESHOLD
B. SET NO. 2 - DOORS FROM TOILETS TO HALL. (SEE DOOR SCHEDULE AND FLOOR PLAN FOR QUANTITY, SIZE AND DIRECTION OF SWING.)
1. 1-1/2 PAIR BUTTS, HAGER, BB-1279 26D
2. 1 LOCKSET, HAGER 3440 WTN US26D
3. 1 FLOOR STOP, HAGER 241F US26D
4. 1 KICK PLATE, HAGER 214S BLACK 10" X 2" L.W.O.D. LOCAL BARRIER FREE CODE MAY REQUIRE LARGER KICK PLATES - VERIFY BEFORE ORDERING.
5. 1 CLOSER, HAGER 5200 MLT 1-6 ALM
C. SET NO. 3 - DOOR FROM STORAGE TO EXTERIOR. METAL DOOR AND FRAME. (SEE DOOR SCHEDULE AND FLOOR PLAN FOR QUANTITY, SIZE AND DIRECTION OF SWING.)
1. 3 EA. HINGES, HAGER BB1191 32D
2. 1 LOCKSET, HAGER 3495 WTN US26D
3. 1 CLOSER, HAGER 5100 PA 1-6 HDHOS ALM
4. 1 THRESHOLD, HAGER 413S MIL
5. 1 SWEEP, HAGER 802S B MIL
6. 1 HOLDER/STOP, HAGER 268S US26D
7. 1 SET W/STRIPPING, HAGER 800S B MIL
8. 1 LOCK GUARD, HAGER 341D 32D
9. 1 DOOR VIEWER, HAGER 1756 US26D
10. ALTERNATE DOOR VIEWER: MODEL #L-VGLF-WD, 9" X 5", NATIONAL GUARD PRODUCTS

SECTION 08 8000
GLAZING

PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. GLASS FOR OTHER SECTIONS REFERENCING THIS SECTION.
1.3 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT.
2. REGIONAL MATERIALS.
3. LOW-EMITTING MATERIALS.
1.4 PROJECT CONDITIONS
A. PERFORM GLAZING WHEN AMBIENT TEMPERATURE IS ABOVE 40 DEGREES F.
B. PERFORM GLAZING ON DRY SURFACES.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - GLASS:
1. PPG INDUSTRIES, INC. (WWW.PPGGLAZING.COM).
2. PILKINGTON ARCHITECTURAL. (WWW.PILKINGTON.COM)

2.2 MATERIALS - GLASS
A. CLEAR GLASS: ASTM C1036, TYPE 1 TRANSPARENT FLAT, CLASS 1 CLEAR, QUALITY Q3 GLAZING SELECT.
B. CLEAR TEMPERED GLASS: ASTM C1048, TYPE 1 TRANSPARENT FLAT, CLASS 1 CLEAR, QUALITY Q3 GLAZING SELECT, KIND FT FULLY TEMPERED.
C. RECYCLED CONTENT: MINIMUM PERCENT RECYCLED GLASS CONTENT, CLASSIFIED AS POST-INDUSTRIAL AS SHOWN ON DRAWINGS.
2.3 ACCESSORIES
A. SETTING BLOCKS: ASTM C864, NEOPRENE OR EPDM, OR ASTM C1115, SILICONE; 80 TO 90 SHORE A DUROMETER HARDNESS.
B. SPACERS: ASTM C864, NEOPRENE OR EPDM, OR ASTM C1115, SILICONE; 50 TO 60 SHORE A DUROMETER HARDNESS.
C. GLAZING GASKETS:
1. DENSE COMPRESSION GASKETS: ASTM C864, NEOPRENE OR EPDM, OR ASTM C1115, SILICONE OR THERMOPLASTIC POLYOLEFIN RUBBER, MOLDED OR EXTRUDED SHAPE TO FIT GLAZING CHANNEL RETAINING SLOT; BLACK COLOR.
2. SOFT COMPRESSION GASKETS: ASTM C509, TYPE II, BLACK, MOLDED OR EXTRUDED, NEOPRENE, EPDM, SILICONE OR THERMOPLASTIC POLYOLEFIN RUBBER, OF PROFILE AND HARDNESS REQUIRED TO MAINTAIN WATERTIGHT SEAL; BLACK COLOR.
2.4 FABRICATION
A. TEMPERED GLASS:
1. COMPLY WITH ASTM C1048.
2. PROCESS IN HORIZONTAL POSITION SO THAT INHERENT ROLLER DISTORTION WILL RUN PARALLEL TO BUILDING FLOOR LINES AFTER INSTALLATION.
B. SEALED INSULATING GLASS:
1. COMPLY WITH ASTM E2190.
2. FABRICATE SPACER BAR FRAME OF TUBULAR ALUMINUM FILLED WITH DESICCANT.
3. BOND SPACER BAR FRAME TO GLASS PANES WITH TWIN PRIMARY SEALS.
4. FILL SPACE OUTSIDE FRAME TO GLASS EDGE WITH ELASTOMERIC SEALANT.
C. LAMINATED GLASS:
1. COMPLY WITH ASTM C1172 AND ANSI Z97.1.
2. LAMINATE GLASS WITH LAMINATING FILM BY MANUFACTURER'S STANDARD HEAT AND PRESSURE PROCESS.
3. CUT GLASS TO REQUIRED SIZE AT FACTORY.
4. DISCARD GLASS WITH VOIDS, DELAMINATION, OR ENTRAPPED DIRT OR FOREIGN MATTER.
D. LOW-E COATED GLASS: APPLY LOW-EMISSIVITY COATING TO SCHEDULED GLASS SURFACE.

PART 3 EXECUTION
3.1 PREPARATION
A. CLEAN GLAZING RABBETS; REMOVE LOOSE AND FOREIGN MATTER.
B. REMOVE PROTECTIVE COATINGS ON METAL SURFACES.
C. CLEAN GLASS JUST PRIOR TO INSTALLATION.
3.2 INSTALLATION - GENERAL
A. INSTALL GLASS IN ACCORDANCE WITH GLASS MANUFACTURER'S INSTRUCTIONS.
B. MAINTAIN MANUFACTURER'S RECOMMENDED EDGE AND FACE CLEARANCES BETWEEN GLASS AND FRAME MEMBERS.
3.3 INSTALLATION - GASKET GLAZING METHOD
A. FABRICATE GASKETS TO FIT OPENINGS; ALLOW FOR STRETCHING OF GASKETS DURING INSTALLATION.
B. SET SOFT COMPRESSION GASKET AGAINST FIXED STOP OR FRAME WITH BONDED MITER CUT JOINTS AT CORNERS.
C. SET GLASS CENTERED IN OPENINGS ON SETTING BLOCKS.
D. INSTALL REMOVABLE STOPS AND INSERT DENSE COMPRESSION GASKETS AT CORNERS, WORKING TOWARD CENTERS OF GLASS, COMPRESSING GLASS AGAINST SOFT COMPRESSION GASKETS TO PRODUCE WEATHERTIGHT SEAL.
E. SEAL JOINTS IN GASKETS.
F. ALLOW GASKETS TO PROTRUDE PAST FACE OF GLAZING STOPS.
3.4 PROTECTION
A. AFTER INSTALLATION, MARK GLASS WITH AN 'X' USING REMOVABLE PLASTIC TAPE.
3.5 SCHEDULE
A. ALL SALES AREA PRIMARY GLASS - 1 IN. INSULATING GLASS, 1/2 IN. AIR SPACE WITH 1/4 IN. CLEAR POLISHED PLATE FOR OUTDOOR AND INDOOR LIGHTS.
B. ALL DRIVE-THRU GLAZING - ¼ IN. LOW-E GLASS, ½ IN. AIR SPACE WITH ¼ IN. CLEAR FLOAT GLASS FOR OUTBOARD LIGHT.
C. ENTRANCE DOORS - 1 IN. INSULATED AND TEMPERED GLASS.
D. PROVIDE TEMPERED OR SAFETY GLASS FOR INDOOR AND OUTDOOR GLASS AREAS WHERE REQUIRED BY BUILDING CODES.
E. INSULATING GLASS UNITS SHALL PROVIDE A MIN. U-VALUE OF .49 WINTER AND .56 SUMMER AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE LOCAL GOVERNING ENERGY CODE.

SECTION 09 2900
GYPSUM BOARD

PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. GYPSUM BOARD.
2. CEMENTITIOUS PANELS.
3. TAPING AND BEDDING OF GYPSUM BOARD.
1.3 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
4. RECYCLED CONTENT.
5. REGIONAL MATERIALS.
6. LOW-EMITTING MATERIALS.
1.4 PROJECT CONDITIONS
A. DO NOT INSTALL GYPSUM BOARD UNTIL BUILDING IS SUBSTANTIALLY WEATHERTIGHT.
B. MAINTAIN TEMPERATURE IN SPACES IN WHICH WORK IS BEING PERFORMED ABOVE 50 DEGREES F DURING AND AFTER INSTALLATION.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - GYPSUM PANELS:
1. CERTAINTEED GYPSUM, INC. (WWW.CERTAINTEED.COM)
2. GP GYPSUM CORPORATION. (WWW.GP.COM)
3. NATIONAL GYPSUM CO. (WWW.NATIONALGYPSUM.COM)
4. TEMPLE-INLAND. (WWW.TEMPLEINLAND.COM)
5. USG CORPORATION. (WWW.USG.COM)
B. ACCEPTABLE MANUFACTURERS - CEMENTITIOUS PANELS:
1. USG CORPORATION. (WWW.USG.COM)
2.2 MATERIALS - GYPSUM PANELS
A. REGULAR GYPSUM BOARD: ASTM C1396; 48 INCHES WIDE X THICKNESS INDICATED, MAXIMUM PRACTICAL LENGTH, TAPERED EDGE.
B. FIRE RESISTANT GYPSUM BOARD: ASTM C1396, TYPE X; 48 INCHES WIDE X THICKNESS INDICATED, MAXIMUM PRACTICAL LENGTH, TAPERED EDGE; APPLY TO FIRE RATED ASSEMBLIES.
C. WATER RESISTANT GYPSUM BOARD: ASTM C1396; 48 INCHES WIDE X THICKNESS INDICATED, MAXIMUM PRACTICAL LENGTH, WATER RESISTANT; APPLY TO WALLS TO RECEIVE TILE, SANITARY WALL PANELS AND WALLS AT LOCATIONS SPECIFIED ON DRAWINGS.
D. FIRE RESISTANT, WATER RESISTANT GYPSUM BOARD: ASTM C1396, TYPE X; 48 INCHES WIDE X[THICKNESS INDICATED, MAXIMUM PRACTICAL LENGTH, WATER RESISTANT; APPLY TO WALLS TO RECEIVE TILE, SANITARY WALL PANELS AND WALLS AT LOCATIONS SPECIFIED ON DRAWINGS.
E. RECYCLED CONTENT: GYPSUM WALLBOARD SHALL CONTAIN RECYCLED CONTENT MATERIAL AS FOLLOWS: PAPER FACINGS: A MINIMUM OF 100% POST-CONSUMER RECYCLED PAPER CONTENT. GYPSUM CORES: WHERE FEASIBLE, A MINIMUM OF 10 POST-INDUSTRIAL RECYCLED GYPSUM CONTENT. THE PERCENTAGE OF RECYCLED CONTENT IS BASED ON THE WEIGHT OF THE COMPONENT MATERIALS.
2.3 MATERIALS - CEMENTITIOUS PANELS
A. CEMENTITIOUS PANELS: ANSI A 118.9, HIGH DENSITY, CEMENTITIOUS WITH GLASS FIBER REINFORCING, 5/8 INCH THICK X 48 INCHES WIDE, MAXIMUM PRACTICAL LENGTH, ENDS AND EDGES SQUARE CUT; APPLY TO WALLS IN LOCATIONS AS INDICATED ON DRAWINGS.
2.4 ACCESSORIES
A. FASTENERS: ASTM C1002, TYPE W SCREWS, MINIMUM 5/8 INCH PENETRATION INTO FRAMING.
B. ADHESIVE:
1. TYPE RECOMMENDED BY GYPSUM PANEL MANUFACTURER.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 50 GRAMS PER LITER.
C. TRIM ACCESSORIES: ASTM C1047.
1. MATERIAL: FORMED STEEL, MINIMUM 26 GAGE CORE STEEL, HOT DIP GALVANIZED FINISH, EXPANDED FLANGES.
2. CORNER REINFORCEMENT: GA-216, TYPE CB-100 X 100.
3. CASING: GA-216, TYPE LC.
4. CONTROL JOINT.
D. JOINT TREATMENT MATERIALS:
1. REINFORCING TAPE AND JOINT COMPOUND; ASTM C475.
2. JOINT COMPOUND; MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 250 GRAMS PER LITER.

PART 3 EXECUTION
3.1 INSTALLATION OF GYPSUM PANELS
A. INSTALL PANELS AND ACCESSORIES IN ACCORDANCE WITH ASTM C754, GA-216, AND MANUFACTURER'S INSTRUCTIONS.
B. ACCURATELY CUT PANELS TO FIT AROUND OPENINGS AND PROJECTIONS. DO NOT TEAR FACE PAPER OR BREAK GYPSUM CORE.
C. APPLY PANELS AT NON FIRE-RATED ASSEMBLIES IN MOST ECONOMICAL MANNER, WITH ENDS AND EDGES OCCURRING OVER SUPPORTS.
D. APPLY PANELS AT FIRE-RATED ASSEMBLIES AS REQUIRED BY DESIGN ASSEMBLY.
E. STAGGER JOINTS ON OPPOSITE SIDES OF PARTITIONS.
F. DO NOT LOCATE JOINTS TO ALIGN WITH EDGES OF OPENINGS UNLESS A CONTROL JOINT IS INSTALLED.
G. MECHANICALLY FASTEN SINGLE LAYER PANELS TO FRAMING. PLACE FASTENERS MINIMUM 3/8 INCH FROM EDGES OF PANELS; DRIVE HEADS SLIGHTLY BELOW SURFACE. STAGGER FASTENERS AT ABUTTING EDGES.
H. APPLY FACE LAYER OF DOUBLE LAYER APPLICATIONS WITH JOINTS OFFSET FROM THOSE IN BASE LAYER; SECURE WITH MECHANICAL FASTENERS TO FRAMING OR WITH ADHESIVE TO BASE LAYER.
I. AT DEFLECTION COMPENSATING HEAD TRACKS, CUT PANELS 1/2 INCH SHORT OF STRUCTURE AT HEAD; DO NOT SECURE PANELS TO TOP RUNNER CHANNEL.
J. TREAT CUT EDGES AND HOLES IN MOISTURE RESISTANT GYPSUM BOARD WITH JOINT SEALER.
K. WHERE RECESSED ITEMS OCCUR IN FIRE RATED PARTITIONS, BOX ITEM ON ALL SIDES WITH GYPSUM BOARD AS REQUIRED TO MAINTAIN CONTINUITY OF FIRE RATING.
3.2 INSTALLATION OF CEMENTITIOUS PANELS
A. INSTALL IN ACCORDANCE WITH ANSI A108.11 AND MANUFACTURER'S INSTRUCTIONS.
B. APPLY PANELS HORIZONTALLY, WITH ENDS OCCURRING OVER SUPPORTS. STAGGER END JOINTS IN ADJACENT ROWS.
C. CUT PANELS TO FIT AROUND OPENINGS AND PROJECTIONS.
D. MECHANICALLY FASTEN PANELS TO FRAMING AT MAXIMUM 12 INCHES ON CENTER.
3.3 INSTALLATION OF ACCESSORIES
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL CORNER REINFORCEMENT AT OUTSIDE CORNERS. USE SINGLE LENGTHS WHERE LENGTH OF CORNER DOES NOT EXCEED STANDARD LENGTH.
C. INSTALL CASIN

CONSTRUCTION SPECIFICATIONS:

SECTION 09 5100
ACOUSTICAL CEILINGS
(CONTINUED)

2.2 MATERIALS
- A. SUSPENSION GRID SYSTEM:
  1. GRID TYPE: EXPOSED T.
  2. MATERIAL: GALVANIZED STEEL.
  3. RUNNERS: 1-1/2 INCHES HIGH, 15/16 INCH EXPOSED WIDTH, FLUSH SLOTTED PROFILE.
  4. PERIMETER MOLDING: ANGLE SHAPE.
  5. FINISH: FACTORY APPLIED ENAMEL PAINT, SPRAYED AND BAKED, WHITE.
  6. ACCESSORIES: STABILIZER BARS, CLIPS AND SPLICES.
- B. ACOUSTICAL PANELS (PUBLIC AREAS) :
  1. SIZE: 24 X 24 INCHES X 3/4 INCH THICK.
  2. EDGE CONFIGURATION: BEVELED.
  3. PERFORMANCE REQUIREMENTS: TESTED IN ACCORDANCE WITH ASTM E1264.
     - a. NRC: 0.55.
     - b. CAC: 35.
     - c. LIGHT REFLECTANCE: LR-0.85.
- C. ACOUSTICAL PANELS (KITCHEN, SERVICE LINE AND FOOD AREAS) :
  1. SIZE: 24 X 48 INCHES X 5/8 INCH THICK.
  2. EDGE CONFIGURATION: SQUARE.
  3. PERFORMANCE REQUIREMENTS: TESTED IN ACCORDANCE WITH ASTM E1264.
     - a. NRC: N/A
- D. RECYCLED CONTENT:
  1. CEILING TILES CONTAIN 23% - 55% RECYCLED CONTENT.
  2. SUSPENSION SYSTEMS CONTAIN 30% RECYCLED CONTENT - 23% POST-CONSUMER, 7%PRE-CONSUMER.

2.3 ACCESSORIES
- A. SUPPORT CHANNELS: GALVANIZED STEEL; SIZE AND TYPE TO SUIT APPLICATION.
- B. HANGER WIRE:
  1. ASTM A641, MINIMUM 12 GAGE GALVANIZED STEEL.
- C. TOUCH-UP PAINT: COLOR TO MATCH ACOUSTICAL PANELS AND SUSPENSION GRID.

PART 3 EXECUTION

3.1 INSTALLATION
- A. INSTALL CEILINGS IN ACCORDANCE WITH ASTM C636 AND CISCA HANDBOOK.
- B. MINIMIZE PANELS LESS THAN ONE HALF SIZE.
- C. INSTALL MOLDING AROUND PERIMETERS AND ABUTTING SURFACES. MITER MOLDING AT EXTERIOR CORNERS; CUT FLANGES AND BEND WEB TO FORM INTERIOR CORNERS.
- D. SPACE HANGER WIRES MAXIMUM 48 INCHES ON CENTER. INSTALL ADDITIONAL HANGERS WHERE REQUIRED TO SUPPORT LIGHT FIXTURES AND CEILING SUPPORTED EQUIPMENT.
- E. DO NOT SUSPEND HANGERS DIRECTLY FROM METAL DECK. ATTACH STEEL CHANNEL HORIZONTALLY TO ADJACENT FRAMING MEMBERS; PLACE HANGER AT REGULAR SPACING.
- F. HANG SUSPENSION SYSTEM INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES, AND CONDUIT.
- G. WHERE DUCTS OR OTHER EQUIPMENT PREVENT REGULAR SPACING OF HANGERS:
  1. REINFORCE NEAREST RELATED HANGERS TO SPAN EXTRA DISTANCE, OR:
  2. SUSPEND STEEL CHANNEL HORIZONTALLY BENEATH DUCT OR EQUIPMENT; PLACE HANGER AT REGULAR SPACING.
- H. INSTALL MAIN TEES AT MAXIMUM 48 INCHES ON CENTER.
- I. INSTALL CROSS TEES TO FORM 24 X 48 INCH MODULES. LOCK CROSS TEES TO MAIN TEES.
- J. SUPPORT ENDS OF TEES ON FLANGE OF PERIMETER MOLDING.
- K. PLACE ACOUSTICAL PANELS WITH EDGES RESTING FLAT ON SUSPENSION GRID.
- L. CUTTING ACOUSTIC UNITS:
  1. CUT TO FIT IRREGULAR GRID AND PERIMETER EDGE TRIM AND AROUND PENETRATIONS.
  2. LOCATE CUTS TO BE CONCEALED.
  3. CUT AND FIELD PAINT EXPOSED EDGES OF REVEAL EDGE UNITS TO MATCH FACTORY EDGE.
- M. INSTALLATION TOLERANCES: CEILINGS LEVEL TO 1/8 INCH IN 12 FEET MEASURED IN ANY DIRECTION.

3.2 ADJUSTING
- A. TOUCH UP MINOR SCRATCHES AND ABRASIONS TO MATCH FACTORY FINISH.

SECTION 09 6723
RESINOUS FLOORING

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. LIQUID APPLIED EPOXY AND AGGREGATE FLOOR FINISH.
  2. DIVIDER STRIPS.

1.3 SUBMITTALS
- A. QUALITY CONTROL SUBMITTALS:
  1. CERTIFICATES OF COMPLIANCE: CERTIFICATION FROM AN INDEPENDENT TESTING LABORATORY THAT FLOORING MEETS FIRE HAZARD CLASSIFICATION REQUIREMENTS.
- B. SUSTAINABLE DESIGN SUBMITTALS:
  1. REGIONAL MATERIALS.

1.4 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS:
  1. APPROVED BY FLOORING MANUFACTURER.
- B. STATIC COEFFICIENT OF FRICTION: MINIMUM 0.60, TESTED TO ASTM C1028 IN DRY CONDITION.

1.5 DELIVERY, STORAGE AND HANDLING
- A. MAINTAIN MINIMUM TEMPERATURE OF 55 DEGREES F IN STORAGE AREA UNLESS OTHERWISE INSTRUCTED BY MANUFACTURER.
- B. STORE MATERIALS IN INSTALLATION AREA FOR 3 DAYS PRIOR TO INSTALLATION TO ACHIEVE TEMPERATURE STABILITY.

1.6 PROJECT CONDITIONS
- A. MAINTAIN AMBIENT TEMPERATURE REQUIRED BY MANUFACTURER 3 DAYS PRIOR TO, DURING, AND FOR 24 HOURS AFTER INSTALLATION OF MATERIALS.
- B. FRYER AREAS AND RACK WASH AREAS RECEIVE A DIFFERENT STONHARD FINISH THAN THE KITCHEN AND OTHER GENERAL FLOORING AREAS - REFER TO NATIONAL ACCOUNT SOURCE INFORMATION FOR COMPLETE DETAILS.

1.7 WARRANTIES
- A. FURNISH MANUFACTURER'S AND APPLICATOR'S 2 YEAR WARRANTY PROVIDING COVERAGE AGAINST FLOORING DELAMINATION FROM SUBSTRATE AND DEGRADATION OF SURFACE FINISH.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS:
  1. STONHARD, INC. (WWW.STONHARD.COM)

2.2 MATERIALS
- A. RESINOUS FLOORING:
  1. BINDER: 100 PERCENT SOLIDS EPOXY, COLORED WITH MINERAL FILLER, REFER TO FINISH SCHEDULE FOR COLOR.
  2. AGGREGATE: GRADED QUARTZ CHIPS, GRANULAR, REFER TO FINISH SCHEDULE FOR COLOR.
  3. TOP COAT: EPOXY, ALIPHATIC POLYURETHANE, CLEAR.

2.3 ACCESSORIES
- A. COVE STRIPS: METAL AS RECOMMENDED BY FLOORING MANUFACTURER.
- B. SUBFLOOR FILLER: WHITE, PREMIXED, LATEX BASED, TYPE RECOMMENDED BY FLOORING MATERIAL MANUFACTURER.
- C. PRIMERS, ADHESIVES, AND SEALERS: TYPES RECOMMENDED BY FLOORING MANUFACTURER.

PART 3 EXECUTION

3.1 EXAMINATION
- A. VERIFY THAT CONCRETE FLOORS HAVE CURED A MINIMUM 28 DAYS AND DO NOT EXHIBIT NEGATIVE ALKALINITY, CARBONIZATION, OR DUSTING.

3.2 PREPARATION
- A. REMOVE SUBFLOOR RIDGES AND BUMPS. FILL LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH FILLER.
- B. PREPARE CONCRETE SUBSTRATES TO RECEIVE FLOORING SYSTEM BY BROOM CLEANING METHOD TO REQUIREMENTS OF ASTM D4258.
- C. TEST SUBSTRATE FOR MOISTURE CONTENT TO ASTM F1869; DO NOT INSTALL FLOORING UNTIL MOISTURE EMISSION LEVEL IS ACCEPTABLE TO FLOORING MANUFACTURER.
- D. APPLY PRIMER TO SUBSTRATE SURFACES.

3.3 INSTALLATION
- A. INSTALL COVE STRIP AT FLOOR TO WALL JUNCTION.
- B. APPLY FLOORING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO MINIMUM THICKNESS OF 1/4 INCH.
- C. APPLY FIRST COAT OF BINDER RESIN AND ALLOW TO DRY.
- D. WHILE BINDER IS STILL WET, UNIFORMLY BROADCAST AGGREGATE OVER WET BINDER.
- E. AFTER FIRST COAT HAS CURED, APPLY SECOND COAT USING SAME TECHNIQUES AS FIRST COAT.
- F. FINISH TO SMOOTH LEVEL SURFACE.
- G. AFTER SECOND COAT HAS CURED, APPLY TOP COAT.
- H. COVE FLOORING AT VERTICAL SURFACES TO A HEIGHT OF 6 INCHES.

3.4 PROTECTION
- A. PROHIBIT TRAFFIC ON FLOOR FINISH FOR 48 HOURS AFTER INSTALLATION.
- B. BARRICADE AREA TO PROTECT FLOORING UNTIL CURED.

SECTION 09 7200
WALL COVERINGS

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. VINYL WALL COVERINGS.

1.2 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. RECYCLED CONTENT.
  2. REGIONAL MATERIALS.
  3. LOW-EMITTING MATERIALS.

1.3 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS: MINIMUM 5 YEARS' EXPERIENCE IN WORK OF THIS SECTION.

1.4 DELIVERY, STORAGE AND HANDLING
- A. STORE MATERIALS IN CLEAN, DRY STORAGE AREA AT MINIMUM 40 DEGREES F AND NORMAL HUMIDITY.
- B. DO NOT STORE ROLLS IN UPRIGHT POSITION.

1.5 PROJECT CONDITIONS
- A. MAINTAIN MINIMUM TEMPERATURE OF 50 DEGREES F IN AREAS TO RECEIVE WALL COVERING FOR THREE DAYS PRIOR TO, DURING, AND AFTER INSTALLATION.

1.6 MAINTENANCE
- A. EXTRA MATERIALS: 5 PERCENT OF EACH COLOR AND PATTERN.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS:
  1. DL COUCH (HTTP://WWW.DLCOUCH.COM/)
  2. WOLF GORDON (HTTP://WWW.WOLFGORDON.COM/WALLCOVERING.HTML)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 MATERIALS
- A. VINYL WALL COVERING:
  1. MANUFACTURER: SEE SECTION 2.1.
  2. PATTERN AND COLOR: SEE NATIONAL ACCOUNTS SOURCE INFORMATION.

2.3 ACCESSORIES
- A. SEALER: TYPE RECOMMENDED BY WALL COVERING MANUFACTURER.
- B. ADHESIVE:
  1. TYPE RECOMMENDED BY WALL COVERING MANUFACTURER; WATER BASED, MILDEW RESISTANT.
  2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 50 GRAMS PER LITER.
- C. PATCHING COMPOUND: WHITE LATEX TYPE.

PART 3 EXECUTION

3.1 PREPARATION
- A. PREPARE SUBSTRATE TO RECEIVE WALL COVERING:
  1. REMOVE HIGH SPOTS.
  2. FILL HOLES, CRACKS, AND DEPRESSIONS WITH PATCHING COMPOUND; SAND SMOOTH AND FLUSH.
  3. REMOVE LOOSE AND FOREIGN MATTER THAT COULD IMPAIR ADHESION.
  4. APPLY SEALER AS RECOMMENDED BY WALL COVERING MANUFACTURER.
- B. REMOVE WALL COVERING FROM PACKAGING, PLACE IN INSTALLATION AREA, AND ALLOW TO ACCLIMATIZE FOR MINIMUM 24 HOURS PRIOR TO INSTALLATION.

3.2 INSTALLATION
- A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. INSTALL PANELS VERTICALLY.
- C. DO NOT LOCATE JOINTS WITHIN 6 INCHES OF CORNERS. HORIZONTAL JOINTS NOT PERMITTED.
- D. SMOOTH WALL COVERING TO ELIMINATE BUBBLES AND ENSURE ADHESION. REMOVE EXCESS ADHESIVE FROM SEAMS IMMEDIATELY.
- E. USE PANELS IN EXACT ORDER THEY ARE CUT FROM ROLL. REVERSE EVERY OTHER PANEL OF NON-MATCHING PATTERNS.
- F. FILL IN ABOVE AND BELOW OPENINGS WITH PANELS CUT IN CONSECUTIVE ORDER FROM ROLL.
- G. INSTALL WALL COVERING FREE FROM BUBBLES, WRINKLES, OPEN OR LOOSE SEAMS, AND OTHER VISIBLE DEFECTS.

SECTION 09 7733
SANITARY WALL PANELS

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. PREFINISHED SANITARY WALL PANELS.
  2. TRIM.

1.2 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. REGIONAL MATERIALS.
  2. LOW-EMITTING MATERIALS.

1.3 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS: MINIMUM 5 YEARS' EXPERIENCE IN WORK OF THIS SECTION.

1.4 PROJECT CONDITIONS
- A. DO NOT INSTALL PRODUCTS IF TEMPERATURE, HUMIDITY, AND VENTILATION REQUIREMENTS ARE OUTSIDE LIMITS RECOMMENDED BY MANUFACTURER.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS:
  1. CRANE COMPOSITES. (WWW.CRANECOMPOSITES.COM)
  2. MARLITE. (WWW.MARLITE.COM)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 MATERIALS
- A. SANITARY WALL PANELS:
  1. TYPE: GLASS FIBER REINFORCED PLASTIC, USDA APPROVED FOR INCIDENTAL FOOD CONTACT.
  2. SIZE: 3/32 INCH THICK X 48 INCHES WIDE X MAXIMUM PRACTICAL LENGTH.
  3. COLOR: AS INDICATED ON DRAWINGS
  4. SURFACE TEXTURE: LOW GLOSS, PEBBLED.

2.3 ACCESSORIES
- A. TRIM:
  1. ONE PIECE EXTRUDED PVC, MANUFACTURER'S STANDARD PROFILE.
  2. INSIDE AND OUTSIDE CORNERS, DIVISION BAR, AND J-MOLDING.
  3. COLOR: TO MATCH PANELS.
- B. ADHESIVE:
  1. COMPATIBLE WITH PANELS AND SUBSTRATE; RECOMMENDED BY PANEL MANUFACTURER.
  2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 70 GRAMS PER LITER.
- C. JOINT SEALER: SPECIFIED IN SECTION 07 9200.
- D. PATCHING COMPOUND: WHITE LATEX TYPE.

PART 3 EXECUTION

3.1 PREPARATION
- A. PREPARE SUBSTRATE TO RECEIVE PANELS:
  1. REMOVE HIGH SPOTS.
  2. FILL LOW SPOTS WITH PATCHING COMPOUND; SAND SMOOTH.
  3. REMOVE LOOSE AND FOREIGN MATTER THAT COULD IMPAIR ADHESION.

3.2 INSTALLATION
- A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. INSTALL TRIM:
  1. PANEL-TO-PANEL JOINTS: DIVISION BAR.
  2. INTERNAL AND EXTERNAL CORNERS.
  3. EXPOSED EDGES: J MOLDING.
  4. SECURE TO SUBSTRATE.
- C. CUT PANELS TO FIT AT PERIMETER AND AROUND PENETRATIONS. ENSURE THAT TRIM WILL COMPLETELY COVER CUT EDGES.
- D. MAINTAIN 1/8 TO 3/16 INCH EXPANSION SPACE AT PERIMETER AND AROUND PENETRATIONS.
- E. ADHERE PANELS TO SUBSTRATE WITH FULL BED OF ADHESIVE.
- F. INSTALL CONTINUOUS BEAD OF JOINT SEALER BETWEEN PANELS AND TRIM AND BETWEEN TRIM AND ADJACENT CONSTRUCTION.

SECTION 09 9100
PAINTING

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. TEXTURING OF GYPSUM BOARD.
  2. SURFACE PREPARATION AND FIELD APPLICATION OF PAINTS.

1.2 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. REGIONAL MATERIALS.
  2. LOW-EMITTING MATERIALS.

1.3 DELIVERY, STORAGE AND HANDLING
- A. PAINT MATERIALS: STORE AT AMBIENT TEMPERATURE FROM 45 TO 90 DEGREES F IN VENTILATED AREA, OR AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS.

1.4 PROJECT CONDITIONS
- A. DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIENT TEMPERATURES OR RELATIVE HUMIDITY ARE OUTSIDE RANGES REQUIRED BY PAINT MANUFACTURER.
- B. MAINTAIN AMBIENT AND SUBSTRATE TEMPERATURES ABOVE MANUFACTURER'S MINIMUM REQUIREMENTS FOR 24 HOURS BEFORE, DURING AND AFTER PAINT APPLICATION.
- C. DO NOT APPLY MATERIALS WHEN RELATIVE HUMIDITY IS ABOVE 85 PERCENT OR WHEN DEW POINT IS LESS THAN 5 DEGREES F DIFFERENT THAN AMBIENT OR SURFACE TEMPERATURE.
- D. PROVIDE LIGHTING LEVEL OF 30 FOOTCANDLES AT SUBSTRATE SURFACE.

1.5 MAINTENANCE
- A. EXTRA MATERIALS: 1 GALLON OF EACH COLOR AND SHEEN.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS:
  1. SHERWIN WILLIAMS. (WWW.SHERWIN-WILLIAMS.COM)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 MATERIALS
- A. PAINTS:
  1. AS SCHEDULED AT END OF SECTION, OR APPROVED SUBSTITUTE.
  2. FREE FROM ALL FORMS OF LEAD AND MERCURY.
  3. ALL PAINTS USED IN EITHER FOOD PREPARATION, SALES OR STORAGE AREAS MUST BE NON-TOXIC TO FOODS.

2.3 ACCESSORIES
- A. ACCESSORY MATERIALS: PAINT THINNERS AND OTHER MATERIALS REQUIRED TO ACHIEVE SPECIFIED FINISHES; COMMERCIAL QUALITY.
- B. PATCHING MATERIALS: LATEX FILLER.
- C. FASTENER HEAD COVER MATERIALS: LATEX FILLER.

2.3 MIXES
- A. DELIVER PAINTS PRE-MIXED AND PRE-TINTED.
- B. UNIFORMLY MIX TO THOROUGHLY DISPERSE PIGMENTS.
- C. DO NOT THIN IN EXCESS OF MANUFACTURER'S RECOMMENDATIONS.
- D. RE-MIX PAINT DURING APPLICATION; ENSURE COMPLETE DISPERSION OF SETTLED PIGMENT AND UNIFORMITY OF COLOR AND GLOSS.

PART 2 EXECUTION

3.1 EXAMINATION
- A. TEST SHOP APPLIED PRIMER FOR COMPATIBILITY WITH SUBSEQUENT COATINGS.
- B. MEASURE MOISTURE CONTENT OF SURFACES USING ELECTRONIC MOISTURE METER. DO NOT APPLY COATINGS UNLESS MOISTURE CONTENT OF SURFACES ARE BELOW FOLLOWING MAXIMUMS:
  1. GYPSUM BOARD AND PLASTER: 12 PERCENT.
  2. WOOD: 15 PERCENT, MEASURED TO ASTM D4442.

3.2 PREPARATION
- A. GENERAL:
  1. PROTECT ADJACENT AND UNDERLYING SURFACES.
  2. REMOVE OR MASK ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS PRIOR TO PREPARING SURFACES OR FINISHING.
  3. CORRECT DEFECTS AND CLEAN SURFACES CAPABLE OF AFFECTING WORK OF THIS SECTION.
  4. SEAL MARKS THAT MAY BLEED THROUGH SURFACE FINISHES WITH SHELLAC.
- B. IMPERVIOUS SURFACES: REMOVE MILDEW BY SCRUBBING WITH SOLUTION OF TRISODIUM PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW TO DRY.
- C. GYPSUM BOARD:
  1. FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR.
- D. PLASTER:
  1. FILL HAIRLINE CRACKS, SMALL HOLES, AND IMPERFECTIONS WITH LATEX PATCHING PLASTER. FINISH SMOOTH AND FLUSH WITH ADJACENT SURFACES.
  2. WASH AND NEUTRALIZE HIGH ALKALI SURFACES.
- E. ALUMINUM: SSPC METHOD SP1 - SOLVENT CLEANING.
- F. UNCOATED FERROUS METALS: SSPC METHOD SP2 - HAND TOOL CLEANING OR METHOD SP3 - POWER TOOL CLEANING.
- G. SHOP PRIMED FERROUS METALS:
  1. SSPC METHOD SP2 - HAND TOOL CLEANING OR METHOD SP3 - POWER TOOL CLEANING.
  2. FEATHER EDGES TO MAKE PATCHES INCONSPICUOUS.
  3. PRIME BARE STEEL SURFACES.
- H. INTERIOR WOOD:
  1. WIPE OFF DUST AND GRIT.
  2. SEAL KNOTS, PITCH STREAKS, AND SAPPY SECTIONS WITH SEALER.
  3. FILL NAIL HOLES AND CRACKS AFTER PRIMER HAS DRIED; SAND BETWEEN COATS.
- I. EXISTING SURFACES:
  1. REMOVE LOOSE, FLAKING, POWDERY, AND PEELING PAINTS.
  2. LIGHTLY SAND GLOSSY PAINTED SURFACES.
  3. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND; SAND FLUSH WITH SURFACE.
  4. REMOVE OIL, GREASE, AND WAX BY SCRAPING; SOLVENT WASH AND THOROUGHLY RINSE.
  5. REMOVE RUST BY WIRE BRUSHING TO EXPOSE BASE METAL.

3.3 APPLICATION
- A. APPLY PAINTS IN ACCORDANCE WITH MPI PAINTING MANUAL, PREMIUM GRADE FINISH REQUIREMENTS.
- B. APPLY PRIMER OR FIRST COAT CLOSELY FOLLOWING SURFACE PREPARATION TO PREVENT RECONTAMINATION.
- C. DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY.
- D. APPLY COATINGS TO MINIMUM DRY FILM THICKNESS RECOMMENDED BY MANUFACTURER.
- E. APPLY EACH COAT OF PAINT SLIGHTLY DARKER THAN PRECEDING COAT UNLESS SPECIFIED OTHERWISE.
- F. APPLY COATINGS TO UNIFORM APPEARANCE WITHOUT LAPS, SAGS, CURTAINS, HOLIDAYS, AND BRUSH MARKS.
- G. ALLOW APPLIED COATS TO DRY BEFORE NEXT COAT IS APPLIED.
- H. WHEN REQUIRED ON DEEP AND BRIGHT COLORS APPLY AN ADDITIONAL FINISH COAT TO ENSURE COLOR CONSISTENCY.
- I. CONTINUE PAINT FINISHES BEHIND WALL-MOUNTED ACCESSORIES.
- J. SAND BETWEEN COATS ON INTERIOR WOOD AND METAL SURFACES.
- K. MATCH FINAL COAT TO APPROVED COLOR SAMPLES.
- L. WHERE CLEAR FINISHES ARE SPECIFIED, TINT FILLERS TO MATCH WOOD. WORK FILLERS INTO GRAIN BEFORE SET. WIPE EXCESS FROM SURFACE.
- M. PRIME CONCEALED SURFACES OF EXTERIOR WOOD AND INTERIOR WOOD IN CONTACT WITH MASONRY OR CEMENTITIOUS MATERIALS] WITH ONE COAT PRIMER PAINT.
- N. MECHANICAL AND ELECTRICAL COMPONENTS:
  1. PAINT FACTORY PRIMED EQUIPMENT.
  2. REMOVE UNFINISHED AND PRIMED LOUVERS, GRILLES, COVERS, AND ACCESS PANELS; PAINT SEPARATELY.
  3. PAINT EXPOSED AND INSULATED PIPES, CONDUIT, BOXES, DUCTS, HANGERS, BRACKETS, COLLARS, AND SUPPORTS UNLESS FACTORY FINISHED.
  4. DO NOT PAINT NAME TAGS OR IDENTIFYING MARKINGS.
  5. PAINT EXPOSED CONDUIT AND ELECTRICAL EQUIPMENT IN FINISHED AREAS.
  6. PAINT DUCT WORK BEHIND LOUVERS, GRILLS, AND DIFFUSERS FLAT BLACK TO MINIMUM OF 18 INCHES OR BEYOND SIGHT LINE.
- O. DO NOT PAINT:
  1. SURFACES INDICATED ON DRAWINGS OR SPECIFIED TO BE UNPAINTED OR UNFINISHED.
  2. SURFACES WITH FACTORY APPLIED FINISH COAT OR INTEGRAL FINISH.
  3. ARCHITECTURAL METALS, INCLUDING BRASS, BRONZE, STAINLESS STEEL, AND CHROME PLATING.

3.4 ADJUSTING
- A. TOUCH UP OR REFINISH DISFIGURED SURFACES.

3.5 CLEANING
- A. REMOVE PAINT FROM ADJACENT SURFACES.

3.6 NEW BUILDING - EXTERIOR FINISH SCHEDULE
- A. DOORS AND TRIM
  1. BACK DOOR
     GALVANIZED IRON, NEW
     PRIMER: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, B66-310 SERIES, <100 G/L VOC
     1ST COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC
     2ND COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC
  2. ALUMINUM TRIM
     PRIME COAT: S-W DTM WASH PRIMER, B71Y1 (3.4 MILS. WET, 0.7 MILS. DRY)
     1ST COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES 0 G/L VOC
     2ND COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES 0 G/L VOC

3.7 NEW BUILDING - INTERIOR FINISH SCHEDULE
- A. DOORS AND TRIM
  GALVANIZED IRON, NEW
  SEMI-GLOSS FINISH
  PRIMER: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, B66-310 SERIES, <100 G/L VOC
  1ST COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES 0 G/L VOC
  2ND COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES 0 G/L VOC
  WOOD, NEW
  USE THREE SEALANT COATS OF SHERWIN WILLIAMS #A68 SERIES WATERBORNE POLYURETHANE SEMI-GLOSS OR GLOSS
  OVER SHERWIN WILLIAMS #SWBW "BRIGHTON WALNUT" CUSTOM DD STAIN MIX.
- B. WALLS IN SALES AREA (WHERE WALL COVERING IS NOT USED)
  EG-SHEL FINISH -- LOW ODOR ZERO VOC SYSTEM
  PRIMER: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W2600 0 G/L VOC
  1ST COAT: PROMAR 200 ZERO VOC EG-SHEL B26-2600 SERIES, 0 G/L VOC
  2ND COAT: PROMAR 200 ZERO VOC EG-SHEL B26-2600 SERIES, 0 G/L VOC
- C. SOFFITS, CEILINGS AT RESTROOM, DRIVE-THRU, VESTIBULE
  EG-SHEL FINISH -- LOW ODOR ZERO VOC SYSTEM
  PRIMER: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W2600 0 G/L VOC
  1ST COAT: PROMAR 200 ZERO VOC EG-SHEL B26-2600 SERIES, 0 G/L VOC
  2ND COAT: PROMAR 200 ZERO VOC EG-SHEL B26-2600 SERIES, 0 G/L VOC

3.8 REMODELING SPECIFICATIONS - EXTERIOR FINISH SCHEDULE (PAINTING OVER METAL)
- A. EXTERIOR METAL PANELS (ATAS)
  ALUMINUM, REPAINT- REFER TO SHERWIN WILLIAMS APPLICATION BULLETIN 1.23 AND 1.27 FOR DETAILED INFORMATION
  SPOT PRIME: SW PRO-CRYL UNIVERSAL PRIMER AT AREAS WHICH HAVE SIGNS OF RUST
  1ST COAT: S-W BOND-PLEX ACRYLIC COATING
  2ND COAT: S-W BOND-PLEX ACRYLIC COATING
- B. BACK DOOR (NEW, REPAINTED OR WEATHERED)
  PRIMER: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, B66-310 SERIES, <100 G/L VOC
  1ST COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC
  2ND COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC
- C. EXTERIOR WALLS
  CMU (STANDARD)
  1ST COAT: S-W PREPRITE BLOCK FILLER, B25W25 (75-125 SQ FT/GAL)
  2ND COAT: S-W A-100 EXTERIOR LATEX GLOSS, A8 SERIES
  3RD COAT: S-W A-100 EXTERIOR LATEX GLOSS, A8 SERIES (4 MILS WET, 1.4 MILS DRY PER COAT)

3.9 REMODELING SPECIFICATIONS - INTERIOR FINISH SCHEDULE (REFER TO SECTION 3.6 FOR ALL WALLS, SOFFITS, CEILINGS, DOORS AND TRIMS NOT LISTED BELOW)
- A. DOORS AND TRIMS
  WOOD, REPAINT
  PRIMER: HARMONY ZERO VOC WALL PRIMER, B11W1500, 0 G/L VOC
  1ST COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC
  2ND COAT: PRO INDUSTRIAL ZERO VOC ACRYLIC SEMI-GLOSS, B66-650 SERIES, 0 G/L VOC

SECTION 10 2813
TOILET AND KITCHEN ACCESSORIES

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. TOILET ACCESSORIES.
  2. KITCHEN ACCESSORIES

1.2 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. RECYCLED CONTENT.
  2. REGIONAL MATERIALS.

1.3 QUALITY ASSURANCE
- A. CONFORM TO APPLICABLE ACCESSIBILITY CODE FOR LOCATING ACCESSORIES.

1.4 WARRANTIES

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS:
  1. AMERICAN SPECIALTIES, INC. (WWW.AMERICANSPECIALTIES.COM)
  2. BOBRICK WASHROOM EQUIPMENT, INC. (WWW.BOBRICK.COM)
  3. KIMBERLY-CLARK PROFESSIONAL (WWW.KCPROFESSIONAL.COM)
  4. KAY CHEMICAL COMPANY (WWW.ECOLAB.COM)
  5. EXCEL DRYER INC. (WWW.EXCELDRYER.COM)
  6. PROCTOR AND GAMBLE (WWW.PG.COM)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 ACCESSORIES
- A. FASTENERS: STAINLESS STEEL WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED, TYPE BEST SUITED TO SUBSTRATE CONDITIONS.

2.3 FABRICATION
- A. PROVIDE HANGERS, ADAPTERS, ANCHOR PLATES, AND ACCESSORIES REQUIRED FOR INSTALLATION.

PART 3 EXECUTION

3.1 INSTALLATION
- A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. SET PLUMB, LEVEL, SQUARE, AND RIGID.
- C. INSTALL WIRING BETWEEN POWER SUPPLY AND ACCESSORIES.

3.2 SCHEDULE
- A. BATHROOM HARDWARE (SEE NATIONAL ACCOUNT SOURCE INFO FOR PACKAGE ORDERING INFORMATION)
  REFER TO RESTROOM EQUIPMENTS SCHEDULE ON SHEET.
- B. KITCHEN AND STORAGE HARDWARE
  REFER TO KITCHEN EQUIPMENTS SCHEDULE ON SHEET.

SECTION 10 7313
FABRIC AWNINGS

PART 1 GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. ALUMINUM FRAMED FABRIC AWNINGS.

1.2 SYSTEM DESCRIPTION
- A. DESIGN REQUIREMENTS: DESIGN AWNINGS TO WITHSTAND:
  1. LIVE AND DEAD LOADS IN ACCORDANCE WITH ASCE7 AND/OR APPLICABLE BUILDING CODE.
  2. MOVEMENT CAUSED BY AN AMBIENT TEMPERATURE RANGE OF 120 DEGREES F AND A SURFACE TEMPERATURE RANGE OF 160 DEGREES F.

1.3 SUBMITTALS
- A. SUSTAINABLE DESIGN SUBMITTALS:
  1. RECYCLED CONTENT.
  2. REGIONAL MATERIALS.

1.4 QUALITY ASSURANCE
- A. FABRICATOR AND INSTALLER QUALIFICATIONS: MINIMUM 3 YEARS DOCUMENTED EXPERIENCE IN WORK OF THIS SECTION.

1.5 WARRANTIES
- A. PROVIDE MANUFACTURER'S WARRANTY (SEE NATIONAL ACCOUNTS) PROVIDING COVERAGE AGAINST FADING AND LOSS OF STRENGTH DUE TO EXPOSURE TO ULTRAVIOLET, MILDEW, AND ATMOSPHERIC CHEMICALS.

PART 2 PRODUCTS

2.1 MANUFACTURERS
- A. ACCEPTABLE MANUFACTURERS - FABRIC:
  1. ARLON CORPORATION (WWW.ARLON.COM)
  2. 3M (WWW.3M.COM)
- B. SUBSTITUTIONS: NOT PERMITTED.

2.2 MATERIALS
- A. FABRIC:
  1. TYPE: SEE NATIONAL ACCOUNTS.
  2. FIRE RESISTANT, TESTED TO NFPA

CONSTRUCTION SPECIFICATIONS:

SECTION 12 2413
ROLLER WINDOW SHADES
(CONTINUED)

2.2 MANUFACTURED UNITS

A. PRODUCT: MYLAR SHADES

B. SOLAR SHADE FABRIC; SELECT FROM NFPA 701-1999 FR AND ASTM-G21 AND G22 BACTERIA AND FUNGAL RESISTANCE APPROVED
COLOR: BRONZE / BRONZE
NO SEAMS FOR SHADES LESS THAN 72" IN ONE DIRECTION
% SOLAR TRANSMITTANCE 27
% SOLAR REFLECTANCE 19
% SOLAR ABSORBANCE 54
% VISIBLE LIGHT TRANSMITTANCE 15
SHADING COEFFICIENT 0.48
THICKNESS 4+ MM

C. ROLLER TUBES: SHALL BE 1 ½" HARDENED ALUMINUM ROLLER WITH INTERNAL DRIVE KEY. LARGER DIAMETER ROLLERS SHOULD BE SUPPLIED FOR HEAVY SHADES

D. CLUTCH SYSTEMS: SHALL BE ROLL EASE MULTI DIRECTIONAL 8 POUND LIFT - COLOR TO BE BLACK. LARGER CLUTCHES SHOULD BE SUPPLIED FOR HEAVY SHADES

E. BRACKETS - SAFETY LOCKING POSITIVE DRIVE SPEER. - LOCKING IDLER SIDE.

F. CHAIN - STAINLESS STEEL QUALIFIED WITH STOPS

G. BOTTOM HEM BAR WILL BE DÉCOR BAR BLACK ½"X1" PUNCH PRESS TAPERED CUT FOR CLEAN (NO BUR) EDGE.

H. END CAPS - COLOR TO BE BLACK. BONDED TO THE BOTTOM BAR.

I. CHAIN HOLD DOWN - CLEAR DOG BONE WITH SCREW THAT LOCKS CHAIN INTO PLACE.

PART 3 EXECUTION

3.1 INSTALLATION

A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PROVIDE ADEQUATE CLEARANCES TO ALLOW FOR PROPER OPERATION.

C. PLACE UNITS TO LOCATE SHADE CLOTH MINIMUM 2 INCHES FROM INTERIOR FACE OF GLASS.

3.2 ADJUSTING

A. ADJUST SHADES FOR SMOOTH, QUIET OPERATION.

SECTION 12 4813
ENTRANCE FLOOR MATS

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
1. ALUMINUM GRID FLOOR MATS.
2. RECESSED FRAME.

1.3 SYSTEM DESCRIPTION

a. PERFORMANCE REQUIREMENTS: PROVIDE RECESSED ALUMINUM ENTRANCE FLOOR MAT SYSTEM, WHICH HAS BEEN MANUFACTURED AND INSTALLED TO MAINTAIN PERFORMANCE CRITERIA STATED BY MANUFACTURER WITHOUT DEFECTS, DAMAGE OR FAILURE.

1.4 SUBMITTALS

a. PRODUCT DATA: SUBMIT PRODUCT DATA, INCLUDING MANUFACTURER'S SPECIFICATION SHEET AND INSTALLATION INSTRUCTIONS FOR SPECIFIED PRODUCTS. INCLUDE METHODS OF INSTALLATION AND SUBSTRATE PREPARATION FOR EACH TYPE OF SUBSTRATE.

b. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS SHOWING LAYOUT, PROFILES AND PRODUCT COMPONENTS, INCLUDING ANCHORAGE, ACCESSORIES, FINISH COLORS, PATTERNS AND TEXTURES.

c. SAMPLES: SUBMIT SAMPLES FOR EACH TYPE AND COLOR OF EXPOSED ENTRANCE MAT, FRAMES AND ACCESSORIES REQUIRED. PROVIDE SAMPLES OF MAT MATERIALS.

d. QUALITY ASSURANCE SUBMITTALS: (1) CERTIFIED TEST REPORTS SHOWING COMPLIANCE WITH SPECIFIED PERFORMANCE CHARACTERISTICS AND PHYSICAL PROPERTIES, AND (2) MANUFACTURER'S INSTALLATION INSTRUCTIONS.

e. CLOSEOUT SUBMITTALS: (1) CLEANING & MAINTENANCE DATA (INCLUDE METHODS FOR MAINTAINING INSTALLED PRODUCTS AND PRECAUTIONS AGAINST CLEANING MATERIALS AND METHODS DETRIMENTAL TO FINISHES AND PERFORMANCE), AND (2) WARRANTY.

1.5 QUALITY ASSURANCE

a. INSTALLER: INSTALLER SHOULD BE HIGHLY EXPERIENCED IN PERFORMING WORK OF THIS SECTION, HAVING PREVIOUSLY DONE WORK SIMILAR TO THAT REQUIRED FOR THIS PROJECT.

1.6 SEQUENCING/SCHEDULING

a. ORDERING: COMPLY WITH MANUFACTURER'S ORDERING INSTRUCTIONS AND LEAD-TIME REQUIREMENTS TO AVOID CONSTRUCTION DELAYS.

b. DELIVERY: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED PACKAGING.

c. STORAGE: STORE MATERIALS AT TEMPERATURE AND IN HUMIDITY CONDITIONS RECOMMENDED BY MANUFACTURER AND PROTECT FROM EXPOSURE TO HARMFUL WEATHER CONDITIONS.

d. INSTALLATION: EXCEPT AS OTHERWISE INDICATED HEREIN, SEQUENCING OR SCHEDULING FOR PERFORMANCE OF WORK OF THIS SECTION IN RELATION WITH OTHER WORK IS CONTRACTOR'S OPTION. DELAY INSTALLATION OF MATS UNTIL NEAR TIME OF SUBSTANTIAL COMPLETION FOR THE PROJECT.

1.7 PROJECT CONDITIONS

a. TEMPERATURE: MAINTAIN TEMPERATURE WHERE PRODUCTS WILL BE INSTALLED BEFORE, DURING AND AFTER INSTALLATION AS RECOMMENDED BY MANUFACTURER.

b. FIELD MEASUREMENTS: WHERE POSSIBLE, VERIFY ACTUAL MEASUREMENTS BY FIELD MEASURING BEFORE FABRICATION AND INCLUDE MEASUREMENTS IN SHOP DRAWINGS. TO AVOID CONSTRUCTION DELAYS, COORDINATE FIELD MEASUREMENTS AND FABRICATION SCHEDULE BASED UPON CONSTRUCTION PROGRESS.

PART 2 **PRODUCTS**

2.1 ACCEPTABLE MANUFACTURER

A. PROVIDE DUAL TRACK FOOT GRILLE BY **MATS INC**., 37 SHUMAN AVENUE, STOUGHTON, MA, 02072; TELEPHONE 800-628-7462 OR 781-344-1536; FAX 781-344-1537; WWW.MATSINC.COM.

2.2 MATERIALS

A. PRODUCT: DUAL TRACK.
1) CONSTRUCTION: BOLT-THRU DESIGN WITH INDIVIDUAL ALUMINUM SPACERS. SWEDGE, WELDED AND KEY LOCK FASTENING OF RAILS IS NOT ALLOWED.
2) MATERIAL: ALUMINUM ALLOY TYPE 6061-T6. SOFT ALUMINUM ALLOY (SUCH AS 6063-T52) IS NOT ALLOWED
3) DRYING INSERT: DRYING INSERTS TO BE NYLON MATERIAL WITH 5% POST-CONSUMER RECYCLED CONTENT.
4) RECYCLED CONTENT: ALUMINUM TO BE 43.97% PRE-CONSUMER AND 14.12% POST-CONSUMER RECYCLED CONTENT
5) BLADES: T-SHAPED BLADES, 1-5/16 X 1/8 X 1-1/2 INCH SIZE, COMBINED WITH T SHAPED BLADES 1 11/16 X 1/8" WITH ANTI-SLIP POLYMER C9065 INSERT. SPACING BETWEEN BLADES NOT TO EXCEED 3/16 INCH.
6) DIMENSION: GRILLE DEPTH TO BE 1-1/2", WITH FRAME 1-5/8"
7) PANELS: FOOT GRILLE TO BE SUPPLIED IN PANELS NOT TO EXCEED 48" X 42". ONE PIECE DESIGN NOT ALLOWED. ALL GRILLE PANELS TO BE SUPPLIED WITH INDIVIDUAL, PREFABRICATED, FACTORY-ASSEMBLED FRAMES
8) LOAD CAPACITY: 3,831 LBS PER 2 FOOT SPAN

B. FRAMING ACCESSORIES FOR RECESSED ALUMINUM FOOT GRILLE: FRAMING WILL HAVE THE FOLLOWING CHARACTERISTICS:
1. RECESSED FRAME INTEGRAL WITH CONCRETE SUBSTRATE: THE PERIMETER FRAMES SHALL BE AN INVERTED "T" SHAPE SUCH AS MODEL "VV" BY MATS INC, IN ORDER TO ANCHOR THE STRUCTURE INTO THE CONCRETE. ALL ALUMINUM FRAMES SHALL BE PRE-ASSEMBLED AT FACTORY INCORPORATING WELDED CONSTRUCTION FOR ALL JOINTS. EACH GRILLE SECTION SHALL INCORPORATE AN INVISIBLE SECTION DIVIDER INTEGRATED AND WELDED WITHIN THE FRAME. FRAMES AND GRILLES SHALL BE SHIPPED FULLY ASSEMBLED IN PROTECTIVE WOODEN CRATING TO EACH JOBSITE. FOR SECTIONS LARGER THAN 6'_0 BY 8'_0 A MECHANICAL JOINT IS TO BE PROVIDED, (IF SPECIFIED).
2. THE PERIMETER FRAMES SHALL BE "Z" SHAPE SUCH AS MODEL "TT" BY MATS INC. FOR INSTALLATION OVER FINISHED FLOOR SURFACES. ALL ALUMINUM FRAMES SHALL BE PRE-ASSEMBLED AT FACTORY INCORPORATING WELDED CONSTRUCTION FOR ALL JOINTS. EACH GRILLE SECTION SHALL INCORPORATE AN INVISIBLE SECTION DIVIDER INTEGRATED AND WELDED WITHIN THE FRAME. FRAMES AND GRILLES SHALL BE SHIPPED FULLY ASSEMBLED IN PROTECTIVE WOODEN CRATING TO EACH JOBSITE. FOR SECTIONS LARGER THAN 6'_0 BY 8'_0 A MECHANICAL JOINT IS TO BE PROVIDED (IF SPECIFIED). A SILICONE JOINT IS TO BE APPLIED BETWEEN THE FRAME AND THE FINISHED FLOOR TO PREVENT ANY WATER INFILTRATION (BY OTHERS).
3. RECESSED FRAME FOR EITHER CONCRETE SUBSTRATE OR FINISHED SURFACE: THE PERIMETER FRAMES SHALL BE AN ANGLE AD FRAME, EITHER "LEVEL" OR "EMBEDDED" DEPENDING ON THE INSTALLATION. FOR INSTALLATION WITH EITHER NEW CONSTRUCTION OR RETROFITS. ALL ALUMINUM FRAMES SHALL BE PRE-ASSEMBLED AT FACTORY INCORPORATING WELDED CONSTRUCTION FOR ALL JOINTS. EACH GRILLE SECTION SHALL INCORPORATE AN INVISIBLE SECTION DIVIDER INTEGRATED AND WELDED WITHIN THE FRAME. FRAMES AND GRILLES SHALL BE SHIPPED FULLY ASSEMBLED IN PROTECTIVE WOODEN CRATING TO EACH JOBSITE. FOR SECTIONS LARGER THAN 6'_0 BY 8'_0 A MECHANICAL JOINT IS TO BE PROVIDED, (IF SPECIFIED).

C. OPTIONAL ACCESSORIES FOR RECESSED ALUMINUM FOOT GRILLE
1. RECESSED PAN: 20 GAUGE ALUMINUM (OPTIONAL)
2. ACCESSORIES: STAINLESS STEEL HINGES

D. PRODUCT TESTING FOR RECESSED FOOT GRILLE
1. ASTM C1028 STATIC COEFFICIENT OF FRICTION: 1.21
2. ASTM B117 PRODUCT CORROSION TO SALT: PRODUCT WITHSTANDS 1000 HOURS OF SALT FOG WITHOUT ANY NOTICEABLE CHANGES.

2.3 PRODUCT SUBSTITUTIONS

A. SUBSTITUTIONS: NO SUBSTITUTIONS PERMITTED.

PART 3 EXECUTION

3.1 SUBSTRATE PREPARATION

A. EXAMINE SUBSTRATES AND CONDITIONS WHERE FLOOR MATS WILL BE INSTALLED. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. SUB FLOOR SHALL BE CLEAN AND DRY, AND WITHIN ACCEPTABLE TOLERANCES.

3.2 INSTALLATION

A. SIZES: SHOP-FABRICATE UNITS OF FLOOR MAT TO GREATEST EXTENT POSSIBLE IN SIZES AS INDICATED. WHERE NOT INDICATED OTHERWISE, PROVIDE SINGLE UNIT FOR EACH MAT INSTALLATION, BUT DO NOT EXCEED MANUFACTURER'S MAXIMUM SIZE RECOMMENDATION FOR UNITS INTENDED FOR REMOVAL AND CLEANING. WHERE JOINTS IN MATS ARE NECESSARY, SPACE SYMMETRICALLY AND AWAY FROM NORMAL TRAFFIC LANES. MITER CORNER JOINTS IN FRAMING ELEMENTS WITH HAIRLINE JOINTS OR PROVIDE PREFABRICATED CORNER UNITS WITHOUT JOINTS. WHERE POSSIBLE, VERIFY SIZES BY FIELD MEASUREMENT BEFORE SHOP FABRICATION.

B. ACCESSORIES: WHERE INDICATED FOR RECESSED OR WALL-TO-WALL APPLICATIONS, PROVIDE ALUMINUM FRAMEWORK AS RECOMMENDED BY MANUFACTURER.

C. GENERAL: STRICTLY COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. COORDINATE INSTALLATION WITH ADJACENT WORK TO ENSURE PROPER CLEARANCES AND TO PREVENT TRIPPING HAZARDS.

3.3 CLEANING AND PROTECTION

A. GENERAL CLEANING: REFER TO MANUFACTURER'S CLEANING AND MAINTENANCE INSTRUCTIONS.

B. OWNER'S PERSONNEL: INSTRUCT OWNER'S PERSONNEL IN PROPER MAINTENANCE PROCEDURES.

C. PROTECTION: PROTECT INSTALLED PRODUCT AND FINISH SURFACES FROM DAMAGE DURING CONSTRUCTION AND UNTIL ACCEPTANCE.

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STATE OF FLORIDA
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DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

GN-1.6

CONSTRUCTION SPEC'S

CONSTRUCTION SPECIFICATIONS:

DIVISION 22 - PLUMBING

SECTION 22 1000
PLUMBING

PART 1 GENERAL

1.1 WORK INCLUDED
- A. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE SANITARY SEWER SYSTEM (INCLUDING SOIL AND VENT PIPING), WATER SERVICE, WATER METER, TAP VALVES, BOXES, AND COLD AND HOT WATER SUPPLY SYSTEM INCLUDING ALL REQUIRED 140 DEGREE PIPING; ALL REQUIRED GAS PIPING; HOT WATER HEATER; PLUMBING FITTINGS AND FIXTURES; AND ALL RELATED FITTINGS AND CONTROLS; CONNECTING OF ALL KITCHEN AND SERVICE AREA EQUIPMENT PROVIDED BY LESSEE OR FRANCHISE OWNER AND ALL OTHER WORK REQUIRED FOR A COMPLETE SYSTEM AS DETAILED ON THE DRAWINGS OR SPECIFIED IN THIS SECTION.
- B. IN AREAS WHERE NATURAL GAS IS NOT AVAILABLE, FURNISH AND INSTALL L.P. GAS PIPING AND TANKS.

1.2 PERMITS AND INSPECTIONS
- A. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH STATE, COUNTY AND MUNICIPAL ORDINANCES AND REGULATIONS.
- B. ALL PERMITS AND FEES SHALL BE APPLIED AND PAID FOR UNDER THIS SECTION, INCLUDING ALL REQUIRED INSPECTIONS FOR WATER, GAS AND SANITARY DRAINAGE SYSTEMS, REQUIRED WATER METER AND ALL TAPS TO WATER MAINS AND CONNECTIONS TO SEWERS.

1.3 LESSEE'S OR FRANCHISE OWNER'S EQUIPMENT
- A. MAKE FINAL CONNECTIONS TO ALL LESSEE'S OR FRANCHISE OWNER'S EQUIPMENT AND FURNISH AND INSTALL ANY FITTINGS OR INCIDENTAL ACCESSORIES THAT MAY BE NECESSARY BY JOB CONDITIONS OR THAT MAY BE REQUIRED BY LOCAL PLUMBING OR HEALTH CODES FOR COMPLETING FINAL CONNECTIONS AND MAKING EQUIPMENT READY FOR OPERATION.

1.4 UNDER-SLAB UTILITIES
- A. DIMENSIONS FOR ALL UNDER-SLAB UTILITIES ARE CRITICAL FOR LATER EQUIPMENT INSTALLATION. CROSS-REFERENCE ALL DRAWINGS WITH THIS WORK, INCLUDING ALL ELEVATIONS, SHOWING DIMENSIONAL LOCATION OF THIS WORK.

PART 2 PRODUCTS

2.1 MATERIAL
- A. DOMESTIC WATER PIPING SHALL BE COPPER OR PEX PIPING ACCORDING TO THE LOCAL CODE MINIMUM REQUIREMENTS.
- B. COPPER WATER PIPING ABOVE GRADE SHALL BE TYPE "M" HARD DRAWN COPPER TUBING, WITH WROUGHT COPPER FITTINGS; PIPING BELOW GRADE SHALL BE TYPE "K" SOFT COPPER TUBING, WITH FLARED FITTINGS. SIZES ARE SHOWN ON PLUMBING DRAWINGS. PIPING SHALL BE MADE UP WITH SWEAT FITTINGS. SOLDER SHALL BE 95-50 TYPE. THE ENTIRE LENGTH OF ALL TYPE "K" PIPING UNDER THE SLAB AND PENETRATING THROUGH THE SLAB WILL BE INSTALLED IN THE 1/2 IN. THICK ARMAFLEX INSULATION.
- C. PEX PIPING AND FITTING SHALL BE SUITABLE FOR DOMESTIC USE. INSTALL PIPING SYSTEM IN COMPLIANCE WITH THE MANUFACTURERS REQUIREMENTS. PEX PIPING OR FITTING SHALL NOT BE INSTALLED IN AREAS WITHIN FIVE FEET OF UV LIGHT OR EXPOSED TO UV LIGHT FOR AN EXTENDED PERIOD. PEX PIPING SHALL BE SUPPORTED AS REQUIRED BY THE MANUFACTURER AND LOCAL CODE REQUIREMENTS. UNDERGROUND / UNDER-BUILDING SLAB, DOMESTIC WATER PIPING SHALL BE 1/2 INCH THROUGH 3 INCH PEX PIPING SUITABLE FOR DOMESTIC USE WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS FITTINGS USING THE FEWEST POSSIBLE JOINTS AS POSSIBLE AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. INSULATE THE PIPING AS REQUIRED. ABOVEGROUND DOMESTIC WATER PIPING (3 INCHES AND BELOW) SHALL BE THE FOLLOWING: PEX PIPING SUITABLE FOR DOMESTIC USE WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS FITTINGS.
- D. BUILDING SEWER AND ALL UNDERGROUND DRAINAGE AND VENT LINES SHALL BE SIZED AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES. THEY SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON PIPE AND NEOPRENE GASKET FITTINGS, UNLESS OTHERWISE SHOWN OR NOTED. SERVICE WEIGHT CAST IRON PIPE, IF ALLOWED BY LOCAL CODES, MAY BE USED. IF ALLOWED BY LOCAL CODES, FROM 10 FT. OUTSIDE THE BUILDINGS, SEWER MAY BE VITRIFIED CLAY SEWER PIPE WITH AMVIT JOINTS OR TRANSITE PIPE. MINIMUM SIZE OF PIPES TO BE 4 IN.
- E. VENTS ABOVE GRADE SHALL BE AS SHOWN ON DRAWINGS AND SHALL BE HUBLESS CAST IRON PIPE FITTINGS AND CONNECTORS. IF PERMITTED BY LOCAL CODES, TYPE DWV COPPER MAY BE USED WITH DWV FITTINGS.
- F. ADJUST, IF NECESSARY, SIZES OF GAS PIPING WITH LOCAL GAS COMPANY CHARACTERISTICS TO DELIVER THE SPECIFIED BTU'S AT THE FIXTURE. PIPING SHALL BE BLACK STEEL, SCHEDULE 40, WITH SCREWED MALLEABLE IRON FITTINGS.
- G. FURNISH AND INSTALL A MECHANICAL GAS VALVE (SIZED TO PIPE) FOR INSTALLATION IN THE GAS LINE TO THE FRYER(S) AND OVEN(S) AS PER SECTION 3.04 GAS PIPING, PARAGRAPH I.
- H. CONDENSATE I.W. DRIP DRAINS SHALL BE HUB DRAINS, FLOOR DRAIN WITH OPEN FUNNEL TYPE, OR FLOOR SINK WITH INTEGRAL TRAP, AS SHOWN ON DRAWINGS OR AS REQUIRED BY CODE, AS MANUFACTURED BY THE JOSAM COMPANY OR JAY R. SMITH, INC. ALL CONDENSATE DRAIN LINES FROM EQUIPMENT TO DRAIN SHALL BE PVC.
- I. KITCHEN FLOOR SINKS "FS" AS REQUIRED SHALL BE JOSAM MANUFACTURING COMPANY, SERIES NO. 49000 WITH HALF-GRATE, NICKALOY TOP AND SEDIMENT BUCKET. ALL OTHER FLOOR DRAINS "FD" TO BE JOSAM NO. 30000-A. ALL EXPOSED PARTS TO BE OF NICKEL BRONZE FINISH.

2.2 FIXTURES
- A. WATER CLOSE
  - REFER TO RESTROOM EQUIPMENT SCHEDULE.
- B. LAVATORY
  - REFER TO RESTROOM EQUIPMENT SCHEDULE.
- C. MOP SINK
  1. FURNISH ONE MOLDED CONSTRUCTION ONE PIECE MOP SERVICE BASIN AS MANUFACTURED BY E.L MUSTEE & SONS; MODEL NO. 63M, COMPLETE WITH DRAIN BODY, STRAINER AND LINT BASKET. FITTINGS SHALL BE MOEN COMMERCIAL NO. 8230 (CHROME). PROVIDE CLICK AND CLEAN DISPENSING SYSTEM BY KAY CHEMICAL COMPANY AT MOP SINK. REFER TO NATIONAL ACCOUNT SOURCE INFORMATION FOR COMPLETE DETAILS.
- D. DISHWASHER
  - REFER TO KITCHEN EQUIPMENT SCHEDULE.
- E. OPTIONAL URINAL TO BE AMERICAN STANDARD TRIMBROOK NO. 6561.017 COMPLETE WITH WALL SUPPORTS AND SLOAN ROYAL FLUSH VALVE.
- F. BACK BAR FITTINGS AND EXPOSED PIPE TO BE CHROME PLATED. STOP VALVES BY AMERICAN STANDARD.
- G. IN KITCHEN, FURNISH AND INSTALL THREE COMPARTMENT POT SINK UNIT AND DRAIN BOARDS AS REQUIRED BY LOCAL CODES, NSF STANDARDS AND AS SPECIFIED:
  1. COMPARTMENT SIZE, DRAIN BOARD SIZE AND TOTAL DIMENSIONS AS SHOWN ON DRAWINGS. REFER TO EQUIPMENT SPECIFICATIONS FOR SINK FABRICATION. EACH COMPARTMENT TO HAVE KOHLER #8801 BRASS WASTE OUTLET, CHROME PLATED, SATIN FINISH, WITH A 3-1/2 IN. DIAMETER STAINLESS STEEL, PERFORATED, FLUSH STRAINER PLATE, THREADED FOR CONNECTION TO A 2 IN. DRAIN LINE.
  2. FITTINGS SHALL BE T & S B-133 PRE-RINSE SPRAY WITH B-107C SPRAY HEAD, B-109 WALL BRACKET, B-156 ADF ADD-A-FAUCET WITH 12 IN. NOZZLE AND SPECIAL 4 IN. CHROME NIPPLE. B-231 SINK MIXING FAUCET FOR THREE COMPARTMENT SINK.
  3. DRAIN SHALL INCLUDE ROTARY WASTE VALVE SIMILAR TO T & S MODEL B3901 WITH EXTENDED HANDLE AND SNAP-IN STAINLESS STEEL STRAINERS. FITS DRAIN OPENING OF 3 1/2 INCHES TO 4 1/2 INCHES.
  4. NOTE: SMALLER THREE COMPARTMENT SINKS MAY BE ALLOWED PROVIDED THE SINK COMPARTMENT CAN ACCOMMODATE THE LARGEST EQUIPMENT ITEM THAT WILL REQUIRE WASHING, RINSING, AND SANITIZING. SINK SPECIFICATION FOR GAUGE, TYPE OF STAINLESS STEEL AND FINISH SHALL BE THE SAME AS LARGER THREE-COMPARTMENT SINK LISTED BELOW.
  5. PROVIDE CLICK AND CLEAN DISPENSING SYSTEM BY KAY CHEMICAL COMPANY AT THREE-COMPARTMENT POT SINK. REFER TO NATIONAL ACCOUNT SOURCE INFORMATION FOR COMPLETE DETAILS
- G. ON ½ IN. DOMESTIC COLD WATER CONNECTION TO PROOFER(S), PROVIDE AN WATER FILTRATION SYSTEM. SEE PLAN FOR SPECIFIC REQUIREMENTS.
- H. FURNISH AND INSTALL AS REQUIRED BY LOCAL OR STATE HEALTH AND PLUMBING CODES, THE FOLLOWING ITEMS OR EQUIPMENT:
  1. INSTALL IMMERSION HEATER AND DIP BASKET FOR POT SINK.
  2. GREASE TRAPS "GT" SHALL BE JOSAM 60100 ON-FLOOR MODEL OR 60130 RECESSED TYPE GREASE INTERCEPTOR, WITH FLOW CONTROL VALVE 25 GPM (WITH FLUSH FLOOR COVER, REMOVABLE BUCKET AND TWIST LOCK HANDLE). WASTE FROM FOOD DISPOSAL SHALL NOT RUN THROUGH GREASE TRAP. TOP COVER TO BE FLUSH WITH QUARRY TILE FLOOR. IN ADDITION TO "JOSAM SERIES 60100" GREASE TRAP THAT IS USED WHEN ROUGH-IN CENTER IS MORE THAN 6" BELOW SLAB "JOSAM SERIES 60120" EXTENDED TOP IS APPROVED. THIS ALLOWS ROUGHING TO 17" BELOW SLAB. REFER TO LOCAL OR STATE HEALTH AND PLUMBING CODES FOR GREASE TRAP SIZE RESTRICTIONS. NOTE: PROVIDE EXTERIOR GREASE TRAP OUTSIDE OF BUILDING WHERE POSSIBLE.
  3. PRODUCT: ENDURA GREASE INTERCEPTOR 25-35 GPM BY IPEX. THE UNIT SHALL BE COMPRISED OF ENGINEERED THERMOPLASTICS TO WITHSTAND OPERATIONAL TEMPERATURES UP TO 220 DEGREE F (104 DEGREE C) COMPRISING A PEDESTRIAN RATED COVER CAPABLE OF SUPPORTING 440 LB (200 KG)AND INCORPORATING AN OPERATIONALLY AIR TIGHT SEAL. THE COVER SHALL ALSO UTILIZE A QUICK ACCESS LATCHING SYSTEM TO FUNCTIONALLY SECURE AND RETAIN THE COVER TO THE TANK, BUT ALLOW CONSISTENT REMOVAL AND REPLACEMENT OF THE COVER WITHOUT OPERATIONAL COMPROMISE. FUNCTIONAL ELEMENTS SUCH AS BAFFLES WILL BE MADE OF MATERIAL THAT PREVENTS CORROSION OR DETERIORATION AND SHALL BE EASILY REMOVABLE FOR THE PURPOSES OF MAINTENANCE, PROVIDING UNRESTRICTED UPSTREAM AND DOWNSTREAM DRAIN ACCESS. THE GREASE INTERCEPTOR SHALL BE CERTIFIED TO THE CURRENT VERSION OF THE PDI-G101, ASME A112.14.3 OR CSA B481.1 AND WHERE LOCALLY APPLICABLE HAVE UPC LISTING.
  4. MODEL 3925ALT02 - ENDURA 25GPM/50LB
- A. FLOW RATE: 25 US GALLONS PER MINUTE (1.6 L PER SECOND).
- B. MINIMUM GREASE CAPACITY: 50 LB (22.68 KG).
- C. GREASE CAPACITY ACTUAL: 56.25 LB (25.51 KG).
- D. AVERAGE EFFICIENCY % (ASME 112.14.3): 98%.
- E. UNIT WEIGHT (EMPTY): 45 LB (10.85 KG).
- F. LIQUID CAPACITY: 39.4 GAL (149.1 L).
- G. CONNECTION SIZE (MECHANICAL): 2 INCHES (51 MM)
- H. BASKET: SOLIDS BASKET ACCESSORY MODEL 3911A-1.
- I. MODULAR RISER EXTENSIONS: MODEL 3920AX6 (RISER EXTENSION). FOR USE WITH IN-FLOOR INSTALLATIONS; SIZED DURING INSTALLATION TO PROJECT REQUIREMENTS, 18 INCHES (457 MM) ADJUSTMENT. ALL INSTALLATION COMPONENTS TO BE SUPPLIED BY THE MANUFACTURER.
  1. RISER EXTENSIONS REQUIRED: ONE.
  2. RISER EXTENSIONS REQUIRED: TWO.
  3. RISER EXTENSIONS REQUIRED: THREE.
  5. MODEL 3925ALT03 - ENDURA 25GPM/50LB
     - a. FLOW RATE: 25 US GALLONS PER MINUTE (1.6 L PER SECOND).
     - b. MINIMUM GREASE CAPACITY: 50 LB (22.68 KG).
     - c. GREASE CAPACITY ACTUAL: 56.25 LB (25.51 KG).
     - d. AVERAGE EFFICIENCY % (ASME 112.14.3): 98%.
     - e. UNIT WEIGHT (EMPTY): 45 LB (10.85 KG).
     - f. LIQUID CAPACITY: 39.4 GAL (149.1 L).
     - g. CONNECTION SIZE (MECHANICAL): 3 INCHES (76 MM)
     - h. BASKET: SOLIDS BASKET ACCESSORY MODEL 3911A-1.
     - i. MODULAR RISER EXTENSIONS: MODEL 3920AX6 (RISER EXTENSION). FOR USE WITH IN-FLOOR INSTALLATIONS; SIZED DURING INSTALLATION TO PROJECT REQUIREMENTS, 18 INCHES (457 MM) MAXIMUM HEIGHT ADJUSTMENT. ALL INSTALLATION COMPONENTS TO BE SUPPLIED BY THE MANUFACTURER.
       - i.a. RISER EXTENSIONS REQUIRED: ONE.
       - ii.b. RISER EXTENSIONS REQUIRED: TWO.
       - iii.c. RISER EXTENSIONS REQUIRED: THREE.

2.3 ROOF FLASHING
- J. CAP FLASHING FOR ROOF VENTS SHALL BE GALVANIZED METAL SLEEVE, OVERLAPPING 4 IN. ON EXTERIOR AND TURNED 2" INTO STACK AND CLOSELY FITTED INTO INTERIOR SURFACE OF STACK TO AVOID REDUCING OPENING SIZE UNNECESSARILY. A 16 OZ. COPPER FLASHING SHALL BE PROVIDED AROUND THE PIPE AND FLASHED INTO THE SINGLE PLY ROOFING. COORDINATE CAP FLASHING WITH SECTION 07531 EPDM ELASTOMERIC MEMBRANE ROOFING.

2.4 HOT WATER HEATER

NOTE: SPECIFICATIONS PROVIDE GENERAL GUIDANCE FOR HOT WATER HEATERS. THE CONTRACTOR SHALL CONSULT DRAWINGS; LOCAL HEALTH DEPARTMENT REVIEW OF DRAWINGS BEFORE ORDERING WATER HEATER. IF A VARIATION EXISTS BETWEEN THE SPECIFICATIONS AND ANY OF THE OTHER REFERENCES MENTIONED, CONTACT THE ARCHITECT BEFORE PLACING ORDERS FOR EQUIPMENT.
- A. TANKLESS HOT WATER HEATER SYSTEM TO BE MANUFACTURED BY RINNAI - MODELS TO BE USED AS APPLICABLE: RUR199i AND RUR199e (BOTH UNITS CONTAIN BUILT IN RECIRCULATING FUNCTION). INPUT: 15,200 TO 199,000 BTUH CAPACITY; DIRECT ELECTRONIC IGNITION; FLOW RATE: 0.4 - 9.9 GPM (DEPENDENT ON TEMPERATURE RISE); THERMAL EFFICIENCY: 97%; CONDENSING TECHNOLOGY; CABINET DIMENSIONS: 18.3"W X 31.2"H X 10.1"D; GAS TYPE: NATURAL GAS OR PROPANE; USE APPLICABLE RINNAI VENTING: CONDENSING CONCENTRIC VENT COMPONENTS, 3" OR 4" SCHEDULE 40 PVC DWV SOLID CORE PIPE (OR APPROVED EQUAL). PROVIDE DIRECT VENT FOR INTERIOR MOUNTING + NO VENT REQUIRED FOR EXTERIOR MOUNT. PROVIDE RINNAI CONDENSATE NEUTRALIZER AS NEEDED. CONDENSATE TO BE NEUTRALIZED AND DRAINED ACCORDING TO LOCAL CODE GUIDELINES. COORDINATE EXACT MODEL #, FLOW AND # OF REQUIRED UNITS W/ MANUFACTURER BASED ON STORE TYPE, STORE SIZE, STORE LOCATION AND ALL LOCAL CODE REQUIREMENTS FOR HOT WATER SYSTEMS. RINNAI COMMERCIAL CUSTOMER SUPPORT: 866-383-0707. RINNAI TECHNICAL SUPPORT: 888-RINNAI (1-888-746-6247)

B.



RECOMMEND BI-ANNUAL FLUSHING OF TANKLESS HEAT EXCHANGER IN AREAS WHERE THE HARD WATER IS GREATER THAN 10GPG. REFERENCE RINNAI WATER HEATER INSTALLATION AND OPERATION MANUAL FOR INSTRUCTIONS
- C. AS AN ALTERNATE, FURNISH AND INSTALL A HOT WATER HEATER AS NOTED ON THE PLUMBING DRAWINGS TO BE EQUAL TO OR EXCEED THE FOLLOWING REQUIREMENTS:
  1. FOR FULL PRODUCING SHOPS, PROVIDE A HOT WATER HEATER UNIT THAT WILL PROVIDE 75-GALLON STORAGE WITH AN INPUT RATING OF 75,000 B.T.U. WITH A 98-GPH RECOVERY AT 70-DEGREE TEMPERATURE RISE. RECOMMENDED MANUFACTURER FOR:GAS FUELED:
     - STATE: SBN81 154NE
     - A.O. SMITH: BT-80
     - RHEEM: G75-75.

     ELECTRIC:
     - STATE: CSB-82-18-IFE
     - A.O. SMITH: DVE-80
     - RHEEM: ELD-80.
  2. IN AREAS WHERE WATER HAS A HIGH LIME CONCENTRATION, BE SURE TO USE A UNIT THAT IS SPECIALLY DESIGNED TO REDUCE LIME DEPOSITS.
  3. FOR SATELLITE SHOPS OR SHOPS WITH NO PRODUCTION FACILITIES USE A UNIT THAT WILL PROVIDE A MINIMUM 50-GALLON STORAGE WITH AN INPUT RATING OF 60,000 B.T.U/HOUR WITH AN 80 G.P.H. AT 70 DEGREE TEMPERATURE RISE:

     GAS FUELED:
     - A.O. SMITH: BT 65

     ELECTRIC:
     - STATE: CSB-52-12-IFE
     - A.O. SMITH: DVE-52
     - RHEEM: ELD-52
- D. FURNISH AND INSTALL A SEPARATE 6 GALLON ELECTRIC HOT WATER HEATER FOR THE RESTROOMS IF NOTED ON THE PLUMBING DRAWINGS TO BE EQUAL TO OR EXCEED THE FOLLOWING PRODUCTS:
  - A.O. SMITH: DEL-6
  - STATE: PCE 6 10MSA

2.5 FLUE
- A. FURNISH AND INSTALL, UNDERWRITERS' LABORATORIES APPROVED, 5 IN. DIAMETER, "METALBESTOS" TYPE B, FLUE FOR WATER HEATER. EXTEND FLUE TO 6 FT. ABOVE ROOF / AS PER LOCAL CODE REQUIREMENTS. PROVIDE TALL CONE ROOF FLASHING, STORM COLLAR AND METALBESTOS TOP. THE DOUBLE WALL METAL VENT FLUE SHALL HAVE AN OUTER CASING OF GALVANIZED STEEL WITH A MINIMUM OF 0.028 GAUGE OR 0.018 IN. THICKNESS, AND AN INNER CASING OF ALUMINUM. THE VENT SHALL BE LABORATORY-TESTED AND LISTED BY THE UNDERWRITERS' LABORATORIES.

2.6 AUTOMATIC FIRE EXTINGUISHING SYSTEM
- A. THE INSTALLER WILL HOOK-UP THE MECHANICAL GAS SHUT-OFF VALVE, FURNISHED AND INSTALLED BY THE PLUMBER BEFORE THE FRYER(S) AND/OR OVEN(S), TO THE AUTOMATIC FIRE EXTINGUISHING SYSTEM. SEE SECTION 15500 AUTOMATIC FIRE EXTINGUISHING SYSTEM.

PART 3 EXECUTION

3.1 INSTALLATION
- A. ALL PIPING AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SHALL COMPLY WITH ALL APPLICABLE CODES, PARTICULARLY HEALTH AND PLUMBING, AND STANDARDS OF GOOD PRACTICE.
- B. VERIFY INVERTS OF SEWER AND DRAINAGE CONNECTIONS BEFORE INSTALLING SEWER LINES.

3.2 WATER SUPPLY LINES
- A. WATER SERVICE, LOCATED AS SHOWN ON SITE DRAWING, SHALL BE INSTALLED AND TESTED AS REQUIRED BY THE LOCAL UTILITY COMPANY. SERVICE TO BE 1½" IN. MINIMUM, TYPE "K" COPPER, OR AS INDICATED ON DRAWINGS.
- B. PIPING SHALL BE OF MINIMUM SIZES SHOWN ON DRAWINGS.
- C. PROVIDE VALVES ON ALL LINES AS SHOWN ON DRAWINGS AND ON UP-STREAM AND DOWN-STREAM SIDE OF WATER METER. EACH FIXTURE SHALL HAVE SEPARATE STOP AND WASTE VALVES AND ALL PIPING SHALL BE CONCEALED EXCEPT AS OTHERWISE INDICATED ON DRAWINGS. WHERE WATER PIPES AND VALVES ARE EXPOSED IN FINISHED SALES AND TOILET AREAS, PIPING SHALL BE THREADED CHROME AND SHALL HAVE CHROME PLATED ESCUTCHEONS AND VALVE AS REQUIRED. KITCHEN AND WORK AREAS MAY BE COPPER.
- D. HOSE BIBBS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SHALL HAVE SEPARATE 3/4 IN. MAIN FEED. WHEN SERVING EXTERIOR AREAS, HOSE BIBBS SHALL BE FROST-PROOF TYPE WITH REMOVABLE KEY HANDLE. FASTEN SECURELY TO WALL. INSTALL 18 IN. ABOVE FINISH SLAB.
- E. STANDARD AIR CHAMBERS, 20 DIAMETERS OF PIPE HIGH, AND ONE SIZE LARGER SHALL BE PROVIDED ABOVE EACH FIXTURE OUTLET AND AS REQUIRED ELSEWHERE. IF LINE PRESSURE IS GREATER THAN 60 POUNDS AT WATER METER OUTLET, A PRESSURE REDUCING VALVE SHALL BE PROVIDED AND INSTALLED, SET AT 60 POUNDS PRESSURE FOR THE COMPLETE SYSTEM. ON THE COLD WATER SUPPLY LINE TO THE ICE MACHINE, INSTALL PRV AND SET AT 20 POUNDS PRESSURE. PRESSURE GAUGE TABS SHALL BE PROVIDED. COMPLETE SYSTEM SHALL BE TESTED AS REQUIRED BY APPLICABLE CODES.
- F. MINIMUM TESTING OF WATER PIPING - MAINTAINS 75 PSI OF AIR PRESSURE WITHIN THE ENTIRE SYSTEM FOR A PERIOD OF NOT LESS THAN 15 MINUTES. PROVIDE A THERMOSTATIC MIXING VALVE ON HOT WATER SERVICE TO TOILET LAVATORIES, BRADLEY #TMA OR LEONARD #210.
- G. INSULATE ALL PIPING IN SPACES SUBJECT TO FREEZING WITH 1-1/2 IN. PIPE INSULATION AS SPECIFIED ABOVE. ALL PIPING SHALL BE PROPERLY SUPPORTED WITH HANGERS OF COMPATIBLE MATERIAL AND ALL WATER PIPES PASSING THROUGH CONCRETE SHALL BE WRAPPED WITH AN APPROVED PLASTIC TAPE TO PREVENT CHEMICAL ACTIONS.
- H. FINAL WATER CONNECTIONS TO PROOFERS SHALL BE AS SHOWN ON EQUIPMENT SPECIFICATIONS.

3.3 SANITARY SEWER SYSTEM
- A. SEWER SYSTEM SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH ALL APPLICABLE CODES AND AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- B. WHEN HOUSE TRAP AND FRESH AIR INLET IS REQUIRED BY CODE, TRAP SHALL HAVE BRASS CLEANOUT PLUGS FLUSH WITH FLOOR.
- C. VENTS SHALL BE SIZED AS SHOWN, OR AS REQUIRED OR PERMITTED BY LOCAL CODES, AND SHALL PROJECT ABOVE ROOF A MINIMUM OF 1 FOOT. ALL VENTS SHALL BE 3 IN. MINIMUM DIAMETER THROUGH ROOF, (USE INCREASER IF NECESSARY) UNLESS CODES REQUIRE GREATER DIMENSION.
- D. SEWER PIPING SHALL BE PROPERLY SLOPED AND ALL REQUIRED FITTINGS, VENTS, TRAPS AND CLEANOUTS SHALL BE PROVIDED.
- E. VERIFY INVERTS AT SEWER TAP AND BUILDING BEFORE STARTING INSTALLATION.
- F. MINIMUM TESTING OF WASTE PIPING - PLUG OPENINGS AND FILL THE ENTIRE SYSTEM TO THE TOP OF THE VENTS WITH WATER AND ALLOW TO REMAIN AT LEAST 30 MINUTES.

3.4 GAS PIPING
- A. CONNECT TO ALL EQUIPMENT REQUIRING GAS SERVICE WITH A SHUT-OFF COCK AND DRIP AT EACH FIXTURE LOCATION.
- B. CONNECTIONS INCLUDE, BUT ARE NOT LIMITED TO, HEATING AND AIR CONDITIONING UNIT, HOT WATER HEATER, FRYERS AND OVEN.
- C. PITCH PIPING FOR DRAINAGE AND INSTALL DRIP AND DIRT LEGS AT ALL LOW POINTS.
- D. MAKE FINAL CONNECTIONS TO EACH FRYER AND OVEN WITH HEAVY DUTY, COMMERCIAL TYPE, FLEXIBLE METAL CONNECTOR COMPLETE WITH QUICK CONNECT-DISCONNECT GAS MATE COUPLING, CONSISTING OF BRASS SOCKET AND BRASS PLUG. FLEXIBLE CONNECTOR AND COUPLING SHALL BE AS MANUFACTURED BY HANSEN MANUFACTURING COMPANY.
- E. CONNECTOR SHALL BE A FACTORY ASSEMBLED INTEGRAL UNIT, CONSISTING OF AN INNER LINER OF CORRUGATED 85/15 RED BRASS TUBING, WITH AN OUTER FLEXIBLE CASING OF INTERLOCKED STRIP WOUND GALVANIZED STEEL.
- F. MINIMUM LENGTH OF CONNECTOR SHALL BE 24 IN.
- G. UNCOUPLING SHALL CAUSE INSTANT AUTOMATIC SHUT-OFF OF GAS SUPPLY.
- H. CONNECTOR AND COUPLING SHALL BE SIZED, TO DELIVER THE REQUIRED BTU RATING TO THE RESPECTIVE EQUIPMENT.
- I. FURNISH AND INSTALL A MECHANICAL GAS SHUT-OFF VALVE (SIZED TO PIPE). THE VALVE WILL BE INSTALLED IN THE GAS LINE BEFORE THE FRYER(S) AND/OR OVEN(S) AS INDICATED ON THE DRAWINGS. THE OPERATING HOOK UP OF THE VALVE WILL BE DONE BY THE INSTALLER OF THE AUTOMATIC FIRE EXTINGUISHING SYSTEM.

3.5 FINAL CONNECTIONS
- A. COMPLETE THE FINAL CONNECTIONS OF EQUIPMENT SUPPLIED BY THE LESSEE OR FRANCHISE OWNER IMMEDIATELY UPON ITS DELIVERY IN PLACE.
- B. FROM CHROME SHUT-OFF VALVES ON BACK BAR WALL; PROVIDE COPPER PIPING TO BACK BAR EQUIPMENT. SOME EQUIPMENT REQUIRES FLARE FITTINGS - COORDINATE WITH EQUIPMENT SPECIFICATIONS.

SECTION 22 6000
WATER FILTER SYSTEM

PART 1 GENERAL

1.1 WORK INCLUDED
- A. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A STORE-WIDE FILTRATION SYSTEM, TO BE INSTALLED AFTER THE METER AND BACKFLOW PREVENTOR. SITE SPECIFIC CONDITIONS MAY REQUIRE THAT A REVERSE OSMOSIS SYSTEM BE INSTALLED, REFER TO DUNKIN BRANDS DESIGN GUIDANCE DOCUMENTS AVAILABLE ON THE EXTRANET FOR DIAGRAMMATIC DESCRIPTIONS OF BOTH: (REFER TO DRAWINGS FOR TYPE & LOCATION)

PART 2 PRODUCTS

2.1 FILTER INSTALLATION
- A. FILTRATION SYSTEM TO BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.
- B. FILTRATION SYSTEM TO BE AS MANUFACTURED BY 3M OR EVERPURE - REFER TO NATIONAL ACCOUNT SOURCE INFORMATION.

2.2 SERVICE
- A. IT IS THE RESPONSIBILITY OF THE FRANCHISEE TO PROVIDE A CONTINUOUS SERVICE CONTRACT FOR THE ONGOING MAINTENANCE OF THE WATER CONDITIONING SYSTEM. FILTER TO BE REPLACED AS PER MANUFACTURER'S RECOMMENDATION OR WHEN THE GAUGE INDICATES LOW WATER PRESSURE.

DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING

SECTION 23 2000
HEATING, VENTILATING AND AIR CONDITIONING

PART 1 GENERAL

1.1 WORK INCLUDED
- A. REQUIREMENTS OF THE GENERAL CONDITIONS, WHERE APPLICABLE, ARE HEREBY MADE PART OF THIS SECTION
- B. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE, AUTOMATIC, GAS FIRED, MECHANICAL WARM AIR HEATING & AIR CONDITIONING SYSTEM, FRYER EXHAUST AND MAKE-UP AIR SYSTEM AS SHOWN ON THE DRAWINGS, AND AS SPECIFIED IN THIS SECTION.
- C. CONTRACTOR TO COMPLY WITH STATE AND MUNICIPAL CODES, AND ORDINANCES, INCLUDING HEALTH AND MECHANICAL, AND APPLICABLE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION. PAY FOR ALL PERMITS AND FEES AS REQUIRED.

1.2 WARRANTY
- A. THIS CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS IN WORKMANSHIP OR MATERIAL FOR ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF BUILDING. ADDITIONAL FOUR (4) YEARS FACTORY WARRANTY ON MOTOR-COMPRESSOR ASSEMBLY SHALL BE PROVIDED IN WRITING.
- B. CONTRACTOR SHALL PROPERLY FILL OUT ALL WARRANTY CARDS FOR HEATING-AIR CONDITIONING UNIT AND DELIVER TO THE FRANCHISEE FOR PROCESSING.
- C. MATERIAL AND EQUIPMENT PACKAGE PURCHASED FROM CAPTIVE-AIRE SYSTEMS, INC. WILL CONTAIN A ONE (1) YEAR GENERAL EQUIPMENT WARRANTY. MOTOR COMPRESSORS HAVE AN ADDITIONAL FOUR (4) YEAR LIMITED MATERIAL WARRANTY BACKED BY THE MANUFACTURER. GAS HEAT EXCHANGERS HAVE AN ADDITIONAL NINE (9) YEAR LIMITED MATERIAL WARRANTY BACKED BY THE MANUFACTURER.

PART 2 PRODUCTS

2.1 MATERIALS AND EQUIPMENT

DUNKIN' BRANDS HAS NATIONALLY ACCOUNTED TWO HVAC MANUFACTURERS TO SUPPLY ROOFTOP EQUIPMENT FOR THE BRAND. CONTACT INFORMATION IS AS NOTED FOR EACH OF THE MANUFACTURERS BELOW.

CARRIER CORPORATION
ACCOUNT REPRESENTATIVE:
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P: 315-432-3946
M: 973-222-6742
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TRANE, INC.
ACCOUNT REPRESENTATIVE:
JONATHAN RALYS
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- A. FURNISH AND INSTALL FACTORY ASSEMBLED ROOFTOP HEATING AND AIR CONDITIONING UNIT(S) IN THE POSITION(S) LOCATED ON THE DRAWINGS AND AS FURTHER SPECIFIED IN THIS SECTION.
- B. FURNISH AND INSTALL A KITCHEN EXHAUST SYSTEM CONSISTING OF A HOOD, FILTERS, AND ROOF MOUNTED EXHAUST FAN IN THE POSITION SHOWN ON THE DRAWINGS AND AS FURTHER SPECIFIED IN THIS SECTION.
- C. A CLEARLY VISIBLE RED SIGNAL LIGHT SHALL BE INSTALLED IN THE FIRE CABINET TO INDICATE WHEN THE KITCHEN EXHAUST FANS ARE OPERATING.
- D. FURNISH AND INSTALL A ROOF MOUNTED EXHAUST FANS AND CURBS WITH ASSOCIATED DUCTWORK AND EXHAUST GRILLES FOR TWO (2) TOILET ROOMS AND BAGEL TOASTER AS SHOWN ON DRAWINGS AND AS FURTHER SPECIFIED IN THIS SECTION.

2.1 DUCTWORK
- A. BLACK IRON
  1

CONSTRUCTION SPECIFICATIONS:

SECTION 26 1000
ELECTRICAL
(CONTINUED)

6. REFER TO DRAWINGS FOR CEILING LAYOUT AND CONSTRUCTION.
7. ALL SALES AREA LIGHTING TO HAVE WARM WHITE LAMPS. FURNISH AND INSTALL IN EACH TOILET ONE (1) ELECTRICAL HAND DRYER AS MANUFACTURED BY EXCEL DRYER, INC. (AS PROVIDED BY NEWTON DISTRIBUTION- SEE DBI NATIONAL ACCOUNTS) XL MODEL WHITE METAL COVER WITH BRAND APPROVED MESSAGING, 110-120V, 12.5 AMPS, 60 HZ.

2.7 PANELBOARDS

DUNKIN' BRANDS HAS A NATIONAL ACCOUNT PROGRAM FOR PANELBOARDS WITH VILLA LIGHTING. PLEASE CALL VILLA LIGHTING AT 1-800-325-0963 AND/OR EMAIL DEANNA. MCCLANAHAN@VILLALIGHTING.COM.

A. ALL PANELBOARDS SHALL BE DEAD-FRONT, SAFETY-TYPE EQUIPPED WITH SINGLE OR MULTI-POLE CIRCUIT BREAKERS, SPECIFIED IN THIS SECTION AND AS SCHEDULED ON THE DRAWINGS. ALL PANELBOARDS SHALL BE RECESSED WALL MOUNTED WITH A MINIMUM CAPACITY OF 42 CIRCUITS.
B. PANELBOARDS SHALL BE SUITABLE FOR 120-208 VOLTS, THREE PHASE, FOUR WIRE OPERATIONS AS SCHEDULED ON THE DRAWINGS.
C. ALL PANELBOARDS SHALL HAVE A CIRCUIT DIRECTORY CARD MOUNTED IN A FRAME WITH PLASTIC COVER INSTALLED ON THE INSIDE OF THE DOOR. ALL DIRECTORY CARDS SHALL BE PROPERLY FILLED IN "TYPE WRITTEN" AND INDICATING AREAS AND DEVICES SERVED BY EACH CIRCUIT.
D. ALL CIRCUIT BREAKERS SHALL BE BOLTED-TYPE, QUICK-MADE AND QUICK-BREAK TYPE OF MANUAL OPERATION, TRIP FREE, AND WITH INVERSE TIME CHARACTERISTICS SECURED THROUGH THE USE OF BIMETALLIC THERMAL-MAGNETIC TRIPPING ELEMENTS. ALL MULTI-POLE BREAKERS SHALL HAVE A SIMULTANEOUS TRIP.
E. SINGLE POLE, DOUBLE AND THREE-POLE CIRCUIT BREAKERS FOR LIGHTING AND POWER PANEL BOARDS SHALL BE 240 VOLTS, TYPE THQB FROM 15 AMPS THROUGH 100 AMPS, HAVING NEMA INTERRUPTING CAPACITY NOT LESS THAN 10,000 AMPERES A.C. AT 240 VOLTS OR LESS.
F. PANELBOARDS SHALL BE TYPE AQ PANEL BOARDS AS MANUFACTURED BY GENERAL ELECTRIC OR EQUAL, SQUARE "D" COMPANY, I.T.E., WESTINGHOUSE OR PETERSON.
G. CIRCUIT BREAKERS IN LIGHTING PANEL SHALL BE APPROVED "SWITCHING TYPE" CIRCUIT BREAKERS.

2.8 SAFETY SWITCHES AND FUSES

DUNKIN' BRANDS HAS A NATIONAL ACCOUNT PROGRAM FOR SWITCHES & FUSES WITH VILLA LIGHTING. PLEASE CALL VILLA LIGHTING AT 1-800-325-0963 AND/OR EMAIL DEANNA. MCCLANAHAN@VILLALIGHTING.COM

A. SAFETY SWITCHES SHALL BE OF THE FUSIBLE TYPE EQUIPPED WITH AN EXTERNAL LEVER OR HANDLE FOR MANUAL OPERATION WITH INTERLOCKING COVER.
B. NEUTRAL CONDUCTORS SHALL BE SOLID THROUGHOUT. SAFETY SWITCHES SHALL BE TYPE TH AS MANUFACTURED BY GENERAL ELECTRIC OR EQUAL: SQUARE "D" COMPANY, I.T.E. AND WESTINGHOUSE.
C. ALL FUSES INSTALLED IN SAFETY SWITCHES THROUGHOUT THE CONTRACT SHALL BE NON-RENEWABLE DUAL ELEMENT TYPE. FUSES SHALL BE AS MANUFACTURED BY GOULD SHAWMUT.

PART 3 EXECUTION

3.1 SERVICE INSTALLATION

A. SERVICE SHALL BE BROUGHT OVERHEAD TO REAR OF BUILDING WITHOUT CROSSING ROOF OF SHOP. PROVIDE GALVANIZED PIPE AND WEATHER HEAD IN SIZE AS SHOWN ON DRAWINGS, BOLTED TO WALL WITH THROUGH BOLTS AND PLATE WASHERS INSIDE (UNLESS OTHERWISE SHOWN ON DRAWINGS). PIPE TO EXTEND 8 FT. MINIMUM ABOVE ROOF AND 6 FT. ON WALL. PROVIDE ADDITIONAL SUPPORT TO MAST, EXTENDING ABOVE ROOF, IF REQUIRED, TO PREVENT BENDING. PIPE TO OFFSET IF NECESSARY FOR CLEARANCE OF STRUCTURE.
B. SEE SITE PLAN FOR UNDERGROUND SERVICE TO REAR OF BUILDING. INCLUDE ANY CHANGES REQUIRED IN THE ELECTRICAL PANELS, SWITCHES, MOTORS, WIRING, BREAKER SIZES, AND EQUIPMENT NECESSARY TO ADAPT TO THE SERVICE AVAILABLE, THE REQUIREMENTS OF THE UTILITY COMPANY, LOCAL CODES OR THE SIZE OF HEATING, VENTILATING & AIR CONDITIONING EQUIPMENT SPECIFIED.

3.2 TELEPHONE INSTALLATION

A. INSTALL CONCEALED TELEPHONE CONDUIT INCLUDING NECESSARY PULL BOXES AND FISH WIRE IN ACCORDANCE WITH LOCAL TELEPHONE COMPANY REQUIREMENTS TO LOCATIONS INDICATED ON THE DRAWINGS. WHEN CALLED FOR ON THE SITE DRAWING, ALSO PROVIDE NECESSARY CONDUIT TO OUTSIDE TELEPHONE BOOTH.

3.3 INSTALLATION - GENERAL

A. COOPERATE WITH OTHER SECTIONS FOR THE PROPER EXECUTION OF THIS WORK. SUPPLY AND COOPERATE IN THE PLACEMENT OF INSERTS, SLEEVES AND OTHER EQUIPMENT TO BE INSTALLED IN MASONRY. CAREFULLY CUT NECESSARY HOLES FOR THE INSTALLATION OF EQUIPMENT AND PATCH IN SUCH A MANNER AS TO MATCH THE ORIGINAL WORK.
B. MAKE GROUND CONNECTION BETWEEN ALL APPARATUS, SIGNS AND CONDUIT AND THE WATER PIPING AS REQUIRED BY THE NATIONAL ELECTRICAL CODE AND ACCORDING TO THE REQUIREMENTS OF LOCAL AUTHORITIES.

3.4 MUSIC SYSTEM - SPEAKERS

A. SEE SECTION 16770.

3.5 CASH REGISTERS

A. PROVIDE CAT 5E CABLE AND RJ45 TERMINATION POINTS AS INDICATED ON DRAWINGS. PULL WIRE TO EACH TERMINAL, USING EQUAL LENGTHS OF CABLE FROM MIDDLE OF FRONT COUNTER. NETWORK HUB IS LOCATED AT FRONT LINE (SEE DRAWINGS).
B. PROVIDE ISOLATED SECOND GROUND FOR EACH CASH REGISTER.

3.6 TESTS

A. AFTER COMPLETE CONNECTIONS AND INSTALLATION OF ALL THE LESSEE'S OR FRANCHISE OWNER'S EQUIPMENT, TEST ALL WORK AND EQUIPMENT AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, FURNISH ALL EQUIPMENT NECESSARY, PERSONNEL, AND ELECTRICAL POWER. TEST THE ENTIRE INSTALLATION FOR SHORTS, GROUNDS AND OPEN CIRCUITS, AND CORRECT ALL DEFECTS BEFORE ACCEPTANCE OF THE WORK. ALL WORK SHALL BE DEMONSTRATED TO BE IN PROPER OPERATING CONDITION TO THE COMPLETE SATISFACTION OF THE FRANCHISE OWNER. INSTRUCT THE OWNER'S REPRESENTATIVES IN THE CARE AND OPERATION OF ALL APPARATUS AND EQUIPMENT FORMING THE INSTALLATION.

3.7 EMERGENCY LIGHTING

A. FURNISH AND INSTALL THE EMERGENCY LIGHTING UNIT AND REMOTE HEADS AS SHOWN. SEE DRAWINGS FOR LOCATIONS AND TYPE OF EMERGENCY UNITS.

3.8 EXTERIOR AREA LIGHTING

A. FURNISH AND INSTALL THE EXTERIOR LIGHTING AS INDICATED BY SYMBOLS ON SITE DRAWING. POLE AND WEDGE SERIES POLE LIGHTS SHALL BE MANUFACTURED BY VILLA LIGHTING OR SECURITY LIGHTING SYSTEMS, INC. (SPECIFY VOLTAGE WHEN ORDERING). SEE ELECTRICAL PLANS FOR BUILDING LIGHTS.
B. FEATURES:
   1. POLE - SQUARE STEEL POLE FINISHED WITH WEATHERPROOF RUST PREVENTATIVE PAINT, FOUR (4) GALVANIZED ANCHOR BOLTS WITH GALVANIZED NUTS AND WASHERS, METAL TEMPLATE, HAND HOLE, AND DECORATIVE ANCHOR BOLT COVER. VERIFY DIMENSIONS CONFORM TO ALL LOCAL CODE REQUIREMENTS AND RESTRICTIONS BEFORE PLACING ORDER.
   2. FIXTURE - 400-WATT HIGH-PRESSURE SODIUM OR METAL HALIDE, DARK BRONZE OR BLACK FINISH. A COMPLETE MILL FINISHED ALUMINUM HOUSING WITH ACCESS TO LAMP AND BALLAST THROUGH HINGED DOOR ASSEMBLY, ONE-PIECE TEMPERED GLASS LENS AND OPTICAL SYSTEM FABRICATED OF POLISHED ALZAK ALUMINUM. ALSO INCLUDES ADJUSTABLE TENON ADAPTER AND INTEGRAL/ADJUSTABLE LIGHT CUP OF SHIELD.

SECTION 26 7600
DRIVE-THRU WIRELESS COMMUNICATION SYSTEM

PART 1 GENERAL

1.1 WORK INCLUDED

A. FURNISH ALL LABOR AND MATERIAL NECESSARY FOR THE COMPLETE INSTALLATION OF THE WIRELESS DRIVE-THRU COMMUNICATION SYSTEM SHOWN ON THE DRAWINGS, AS SPECIFIED IN THIS SECTION AND IN THE NATIONAL ACCOUNT SOURCE INFORMATION.

PART 2 PRODUCTS

2.1 MATERIAL / EQUIPMENT

A. REFER TO THE NATIONAL ACCOUNT SOURCE INFORMATION FOR ORDERING INFORMATION, PRICES, DETAILED ITEM DESCRIPTIONS AND MODEL NUMBERS.

PART 3 EXECUTION

3.1 INSTALLATION

A. ALL INSTALLATION IS TO BE PERFORMED BY AN AUTHORIZED INSTALLER.

SECTION 26 7700
INTERIOR MUSIC SYSTEM

PART 1 GENERAL

1.1 WORK INCLUDED

A. FURNISH ALL LABOR AND MATERIAL NECESSARY FOR THE COMPLETE INSTALLATION OF THE INTERIOR MUSIC SYSTEM AS INDICATED ON THE DRAWINGS AND AS SPECIFIED IN THIS SECTION.

PART 2 PRODUCTS

2.1 CEILING SPEAKERS AND HARDWARE

A. CEILING SPEAKERS AND ALL HARDWARE SHALL BE PROVIDED AND INSTALLED BY AN APPROVED MUSIC VENDOR, MODEL NUMBERS AS INDICATED ON NATIONAL ACCOUNT SOURCE INFORMATION. INSTALL HARDWARE IN THE OFFICE. COORDINATE EXACT LOCATION WITH FIELD REPRESENTATIVE.
B. ALL INTERIOR SPEAKERS TO BE FLUSH MOUNTED, AND WHITE IN COLOR. ALL EXTERIOR SPEAKERS ARE TO BE BLACK IN COLOR.
C. FURNISH VOLUME CONTROL DEVICE IN AN AREA DESIGNATED BY THE OWNER, WITH SEPARATE VOLUME CONTROLS FOR THE SALES AREA SPEAKERS, RESTROOM SPEAKERS AND EXTERIOR SPEAKERS.

PART 3 EXECUTION

3.1 INSTALLATION

A. SPEAKERS AND GRILLES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND AS SHOWN ON THE ARCHITECTURAL DRAWINGS. SPEAKERS ARE TO BE LOCATED IN EACH RESTROOM, MINIMUM OF TWO IN THE SEATING AREA, AT ENTRY TO STORE, AND AT EXTERIOR SEATING AREAS WHERE APPLICABLE. PROVIDE ONE EXTERIOR SPEAKER ADJACENT TO THE REAR SERVICE DOOR. DO NOT PROVIDE SPEAKERS IN SERVICE AREAS.

SECTION 31 1100
CLEARING AND GRUBBING

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
   1. REMOVAL OF SURFACE DEBRIS, PAVING AND CURBS.
   2. REMOVAL OF PLANT LIFE AND GRASS.
   3. GRUBBING ROOTS.
   4. TOPSOIL EXCAVATION.

B. RELATED SECTIONS:
   1. SECTION 31 2200 - GRADING.

PART 2 PRODUCTS

NOT APPLICABLE

PART 3 EXECUTION

3.1 SITE CLEARING

A. REMOVE VEGETATION, DEBRIS, AND OBSTRUCTIONS FROM AREAS OF STRUCTURES, WALKS, PAVING AND PLANTING BEDS.
B. APPLY HERBICIDE TO REMAINING STUMPS AND PLANT LIFE TO INHIBIT GROWTH.
C. STRIP EXISTING TOPSOIL FROM AREAS OF STRUCTURES, WALKS, AND PAVING. STOCKPILE ON SITE FOR REUSE AS SPECIFIED IN SECTION 31 2200.
D. GRUB OUT ROOTS AND UNDERGROUND OBSTRUCTIONS TO MINIMUM DEPTH OF 12 INCHES.
E. REMOVE WASTE MATERIAL FROM SITE AS IT ACCUMULATES. COMPLY WITH APPLICABLE CODES AND ORDINANCES REGARDING WASTE TRANSPORTATION AND DISPOSAL.

SECTION 31 2200
GRADING

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
   1. CUTTING AND GRADING OF SITE.
   2. TOPSOIL PLACEMENT.

1.2 SUBMITTALS

A. SUSTAINABLE DESIGN SUBMITTALS:
   1. REGIONALLY EXTRACTED MATERIALS.

PART 2 PRODUCTS

2.1 MATERIALS

A. TOPSOIL:
   1. STOCKPILED ON SITE MATERIAL, SPECIFIED IN SECTION 31 1100, SUPPLEMENTED BY OFF-SITE MATERIAL IF REQUIRED.
   2. OFF-SITE MATERIALS: NATURAL FRIABLE LOAM OF REGION, FREE OF CLAY, TOXIC SUBSTANCES, LARGE OR MATTED ROOTS, DEBRIS, EXCESS WEEDS, AND ROCKS OVER 1 INCH IN ANY DIMENSION, WITH ACIDITY RANGE OF 5.5 TO 7.5.

PART 3 EXECUTION

3.1 CUTTING AND GRADING

A. EXCAVATE EXPANSIVE SUBSOILS FROM AREAS UNDER AND TO A POINT 5 FEET OUTSIDE OF STRUCTURES TO A MINIMUM DEPTH AS INDICATED ON THE DRAWINGS.
B. EXCAVATE SUBSOIL TO PERMIT PLACEMENT OF STRUCTURES, PAVING, AND SITE IMPROVEMENTS, AND FROM AREAS TO BE REGRADED.
C. UNIFORMLY GRADE AREAS TO SMOOTH SURFACE AT REQUIRED GRADES AND ELEVATIONS. ADJUST CONTOURS TO ELIMINATE WATER PONDING AND PROVIDE POSITIVE DRAINAGE. MAKE GRADE CHANGES GRADUALLY. BLEND SLOPES INTO LEVEL AREAS.
D. LEAVE AREAS TO RECEIVE TOPSOIL 4 INCHES BELOW FINAL REQUIRED GRADE.
E. LEAVE AREAS TO RECEIVE PLANTING BEDS 3 INCHES BELOW FINAL REQUIRED GRADE.
F. TOLERANCES: WITHIN PLUS OR MINUS 1 INCH OF REQUIRED SUBGRADE ELEVATION.

3.2 TOPSOIL PLACEMENT

A. PLACE TOPSOIL TO 4 INCH DEPTH OVER AREAS MODIFIED BY WORK OF THIS CONTRACT THAT ARE NOT COVERED BY PLANTING BEDS, STRUCTURES OR PAVING.
B. UNIFORMLY DISTRIBUTE TO REQUIRED GRADES; FEATHER BACK TO WHERE GRADES REMAIN UNCHANGED.
C. UNIFORMLY GRADE AREAS TO SMOOTH SURFACE AT REQUIRED GRADES AND ELEVATIONS. ADJUST CONTOURS TO ELIMINATE WATER PONDING AND PROVIDE POSITIVE DRAINAGE. MAKE GRADE CHANGES GRADUALLY. BLEND SLOPES INTO LEVEL AREAS.
D. REMOVE RUBBISH, DEBRIS, VEGETATION, AND CONCENTRATIONS OF ROCKS. RAKE AREAS SMOOTH; LEAVE SUITABLE FOR SEEDING OR SODDING.

3.3 CLEANING

A. REMOVE SURPLUS MATERIALS AND THOSE NOT SUITABLE FOR REUSE FROM SITE.

3.4 PROTECTION

A. PROTECT GRADED AREAS FROM TRAFFIC AND EROSION; KEEP FREE OF TRASH AND DEBRIS.
B. REPAIR SETTLED, ERODED, OR RUTTED AREAS.

SECTION 31 2300
EXCAVATION AND FILL

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
   1. EXCAVATING FOR STRUCTURES AND SITE COMPONENTS.
   2. FILLING.
   3. TRENCHING.
   4. BACKFILLING.

1.2 SYSTEM DESCRIPTION

A. LIMITS OF WORK: DO NOT EXTEND EARTHWORK BEYOND AREAS OF EXCAVATION OR CONSTRUCTION SHOWN ON DRAWINGS OR REASONABLY NECESSARY FOR PERFORMANCE OF WORK.
B. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF TEMPORARY EARTH RETENTION SYSTEMS.

1.3 SUBMITTALS

A. SUSTAINABLE DESIGN SUBMITTALS:
   1. RESOURCE REUSE.
   2. REGIONAL MATERIALS.

PART 2 PRODUCTS

2.1 MATERIALS

A. ENGINEERED FILL: CRUSHED STONE OR GRAVEL GRADED PER ASTM C136.
B. SAND: NATURAL RIVER OR BANK SAND, WASHED, FREE FROM SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS, AND ORGANIC MATTER, GRADED PER ASTM C136.
C. COMMON FILL: REUSED SITE OR IMPORTED SOILS FREE FROM TRASH, DEBRIS, ROOTS OVER 1 INCH IN DIAMETER, MATTED ROOTS, ROCKS OVER 3 INCHES IN DIAMETER, TOPSOIL, AND OTHER DELETERIOUS MATTER.

2.2 SOURCE QUALITY CONTROL

A. TESTING AND INSPECTION SERVICES: TEST ENGINEERED FILL PRIOR TO PLACEMENT:
   1. LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX: TEST TO ASTM D4318.
   2. MOISTURE/DENSITY RELATIONSHIP: TEST TO ASTM D698.
   3. PROVIDE SOIL DESCRIPTION; DETERMINE COMPLIANCE WITH GRADATION AND QUALITY REQUIREMENTS.

PART 3 EXECUTION

3.1 EXCAVATING

A. EXCAVATE TO GRADES AND SUBGRADES INDICATED. MAKE EXCAVATIONS LARGE ENOUGH TO PERMIT PLACING AND INSPECTION OF WORK.
B. STOCKPILE EXCAVATED MATERIALS THAT ARE SUITABLE FOR REUSE SEPARATELY FROM SUBGRADE MATERIAL.
C. REMOVE AND DISPOSE OF EXCAVATED MATERIAL THAT IS UNSUITABLE OR NOT REQUIRED FOR BACKFILLING. REMOVE UNDERGROUND OBSTRUCTIONS.
D. BRACE SIDES OF EXCAVATIONS WHERE NECESSARY; MAINTAIN UNTIL PERMANENT CONSTRUCTION IS IN PLACE. REMOVE TEMPORARY SHORING AND BRACING AS BACKFILL IS PLACED.
E. EXCAVATION FOR STRUCTURES:
   1. FORM BOTTOMS OF EXCAVATIONS REASONABLY LEVEL.
   2. MAINTAIN MOISTURE LEVEL IN EXCAVATIONS AS NEAR THEIR NATURAL LEVEL AS POSSIBLE.
F. CORRECT OVER-EXCAVATION UNDER FOOTINGS BY USE OF LEAN CONCRETE. CORRECT OTHER OVER-EXCAVATION BY USE OF ENGINEERED FILL, COMPACTED TO DENSITY OF EXISTING SUBGRADE.
G. KEEP EXCAVATIONS FREE OF WATER.

3.2 FILLING

A. PRIOR TO PLACING FILL ON EXISTING SUBSOILS:
   1. PROOF ROLL TO DETECT SOFT AND WEAK ZONES. REMOVE SOFT AND SPONGY SOILS DOWN TO FIRM SUBSOIL.
   2. REPLACE UNDERCUT AREAS WITH ENGINEERED FILL PLACED IN MAXIMUM 8 INCH DEEP LOOSE, EVEN, HORIZONTAL LIFTS. COMPACT EACH LIFT TO 95 PERCENT OF ASTM D1557 MODIFIED PROCTOR MAXIMUM DRY DENSITY.

B. FILL LOW AREAS OUTSIDE OF STRUCTURES AND UNDER PAVING WITH COMMON FILL TO ACHIEVE REQUIRED GRADES AND ELEVATIONS.
   1. PLACE FILL IN MAXIMUM 8 INCH DEEP LOOSE, EVEN, HORIZONTAL LIFTS.
   2. COMPACT EACH LIFT TO 95 PERCENT OF ASTM D1557 MODIFIED PROCTOR MAXIMUM DRY DENSITY.

C. FILL UNDER STRUCTURES WITH ENGINEERED FILL.
   1. PLACE FILL IN MAXIMUM 8 INCH DEEP LOOSE, EVEN, HORIZONTAL LIFTS.
   2. COMPACT EACH LIFT TO 95 PERCENT OF ASTM D1557 MODIFIED PROCTOR MAXIMUM DRY DENSITY.

D. DO NOT FILL OVER POROUS, WET, FROZEN, OR SOFT SUBGRADES.
E. BENCH FILL INTO SLOPES.
F. WHEN MOISTURE MUST BE ADDED TO AID IN COMPACTION, UNIFORMLY APPLY WATER TO SURFACE, BUT DO NOT FLOOD. FREE WATER SHALL NOT APPEAR ON SURFACE DURING OR AFTER COMPACTION OPERATIONS.
G. SCARIFY SOIL TOO WET FOR PROPER COMPACTION AND ALLOW TO DRY. REPLACE AND RECOMPACT.
H. UNIFORMLY GRADE AREAS TO SMOOTH SURFACE AT REQUIRED GRADES AND ELEVATIONS. ADJUST CONTOURS TO ELIMINATE WATER PONDING AND PROVIDE POSITIVE DRAINAGE. MAKE GRADE CHANGES GRADUALLY. BLEND SLOPES INTO LEVEL GRADES.
I. TOLERANCES: WITHIN PLUS OR MINUS 1 INCH OF REQUIRED SUBGRADE ELEVATION.

3.3 TRENCHING

A. CUT TRENCHES SUFFICIENTLY WIDE TO ALLOW FOR INSTALLATION OF UTILITIES AND FOR INSPECTION OF WORK.
B. HAND TRIM EXCAVATIONS; REMOVE LOOSE MATTER.
C. REMOVE ROCKS AND OBSTRUCTIONS.
D. CORRECT OVER-EXCAVATION BY USE OF LEAN CONCRETE OR PIPE BEDDING MATERIAL.
E. KEEP TRENCHES FREE OF WATER.

3.4 BACKFILLING

A. BACKFILL UNDER STRUCTURES WITH ENGINEERED FILL.
   1. PLACE BACKFILL IN LOOSE, EVEN, HORIZONTAL LIFTS MAXIMUM 8 INCHES DEEP.
   2. COMPACT EACH LIFT TO 95 PERCENT OF ASTM D1557 MODIFIED PROCTOR MAXIMUM DRY DENSITY.

B. BACKFILL OUTSIDE OF STRUCTURES AND UNDER PAVING WITH COMMON FILL.
   1. PLACE BACKFILL IN LOOSE, EVEN, HORIZONTAL LIFTS MAXIMUM 8 INCHES DEEP.
   2. COMPACT EACH LIFT TO 95 PERCENT OF ASTM D1557 MODIFIED PROCTOR MAXIMUM DRY DENSITY.

3.5 CLEANING

A. REMOVE SURPLUS MATERIALS AND THOSE NOT SUITABLE FOR REUSE FROM SITE.

3.6 PROTECTION

A. PROTECT GRADED AREAS FROM TRAFFIC AND EROSION; KEEP FREE OF TRASH AND DEBRIS.

SECTION 32 1216
ASPHALT PAVING

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
   1. AGGREGATE BASE COURSE.
   2. ASPHALT CONCRETE BINDER AND SURFACE COURSES.

1.3 SUBMITTALS

A. SUSTAINABLE DESIGN SUBMITTALS:
   1. RECYCLED CONTENT.
   2. REGIONAL MATERIALS.

1.4 QUALITY ASSURANCE

A. PERFORM WORK IN ACCORDANCE WITH AI MS-8.
B. MIXING PLANT: AI MS-3.
C. OBTAIN MATERIALS FROM SAME SOURCE THROUGHOUT WORK.

1.5 PRODUCT CONDITIONS

A. DO NOT PLACE ASPHALT WHEN BASE SURFACE TEMPERATURE IS LESS THAN 40 DEGREES F. OR SURFACE IS WET OR FROZEN.

PART 2 PRODUCTS

2.1 MATERIALS

A. ASPHALT CEMENT:
   1. ASTM D946.
   2. RECYCLED CONTENT: MINIMUM PERCENT AS INDICATED ON DRAWINGS.

B. AGGREGATE: CRUSHED STONE AND SAND, GRADED IN ACCORDANCE WITH AI MS-2.
C. PRIMER: AI MS-19, HOMOGENOUS, MEDIUM CURING, CUT BACK LIQUID ASPHALT.
D. TACK COAT: AI MS-19, HOMOGENOUS, RAPID CURING, CUT BACK LIQUID ASPHALT.

2.2 MIXES

A. ASPHALTIC CONCRETE:
   1. UNIFORM MIXTURE OF COARSE AND FINE AGGREGATE, MINERAL FILLER, AND ASPHALT CEMENT, ACCURATELY PROPORTIONED BY WEIGHT IN ACCORDANCE WITH AI MS-2.
   2. BINDER COURSE: COARSE GRADED AGGREGATE, 4.5 TO 6.0 PERCENT ASPHALT CEMENT BY WEIGHT.
   3. SURFACE COURSE: FINE GRADED AGGREGATE, 5.0 TO 7.0 PERCENT ASPHALT CEMENT BY WEIGHT.

PART 3 EXECUTION

3.1 CONSTRUCTION

A. AGGREGATE BASE COURSE:
   1. PLACE TO 6 INCH DEPTH AFTER COMPACTION.
   2. ROLLER COMPACT TO MINIMUM 95 PERCENT. ADD SMALL QUANTITIES OF FINE AGGREGATE IF NECESSARY TO AID COMPACTION.
   3. UNIFORMLY GRADE AREAS TO SMOOTH SURFACE AT REQUIRED GRADES AND ELEVATIONS. MAKE GRADE CHANGES GRADUALLY. BLEND SLOPES INTO LEVEL GRADES.
   4. TOLERANCES: WITHIN PLUS OR MINUS 1 INCH OF REQUIRED ELEVATION.

B. PRIMER: APPLY TO BASE COURSE AND CONTACT SURFACES OF CURBS AND ABUTMENTS AT MINIMUM RATE OF 1/2 GALLON PER SQUARE YARD.
C. ASPHALTIC CONCRETE:
   1. PLACE WITHIN 24 HOURS AFTER APPLYING PRIMER.
   2. MINIMUM COMPACTED THICKNESSES:
      a. BINDER COURSE: 2 INCHES.
      b. SURFACE COURSE: 1 INCH.
   3. APPLY TACK COAT TO BINDER COURSE AT MINIMUM RATE OF 1/2 GALLON PER SQUARE YARD.
   4. COMPACT WITH PNEUMATIC ROLLER, THEN WITH STEEL ROLLER. DO NOT DISPLACE OR EXTRUDE ASPHALTIC CONCRETE FROM POSITION. HAND COMPACT IN AREAS INACCESSIBLE TO ROLLING EQUIPMENT.
   5. ROLL WITH CONSECUTIVE PASSES TO ACHIEVE UNIFORM, SMOOTH SURFACE, FREE FROM ROLLER MARKS.
   6. CONSTRUCTION JOINTS:
      a. PLACE MIXTURE AS NEARLY CONTINUOUS AS POSSIBLE. ROLL UNPROTECTED EDGE OF FRESHLY LAID MIXTURE ONLY WHEN LAYING IS DISCONTINUED FOR SUCH LENGTH OF TIME AS WILL ALLOW COOLING OF MIXTURE.
      b. WHEN RESUMING WORK, CUT BACK PREVIOUSLY LAID MATERIAL TO PRODUCE SLIGHTLY BEVELED EDGE FOR FULL DEPTH OF COURSE; PLACE FRESH MIXTURE AGAINST FRESH CUT.
      c. HOT SMOOTHING IRONS MAY BE USED FOR SEALING JOINTS; USE CARE TO AVOID BURNING SURFACE.
      d. CONSTRUCT JOINTS EITHER PARALLEL TO OR AT RIGHT ANGLES TO LONGITUDINAL AXIS OF WORK.

D. INSTALLATION TOLERANCES:
   1. MAXIMUM SURFACE DEVIATION: PLUS OR MINUS ¼ INCH IN 10 FEET, MEASURED PARALLEL TO LINE OF DRAINAGE.
   2. MAXIMUM DEVIATION FROM SPECIFIED THICKNESS: PLUS OR MINUS 1/4 INCH.

SECTION 32 3113
CHAIN LINK FENCES AND GATES

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
   1. FENCE FRAMEWORK, FABRIC, AND ACCESSORIES.
   2. EXCAVATION FOR POSTS.
   3. CONCRETE POST FOUNDATIONS.
   4. GATES AND HARDWARE.

1.2 SYSTEM DESCRIPTION

A. FENCE HEIGHT: 6 FEET.

1.3 SUBMITTALS

A. SUBMITTALS FOR REVIEW:
   5. SHOP DRAWINGS: INCLUDE LAYOUT, SPACING OF COMPONENTS, POST FOUNDATION DIMENSIONS, HARDWARE, AND SCHEDULE OF COMPONENTS.

B. SUSTAINABLE DESIGN SUBMITTALS:
   1. MATERIALS REUSE.
   2. RECYCLED CONTENT.
   3. REGIONAL MATERIALS.

1.4 QUALITY ASSURANCE

A. RECYCLED CONTENT: MINIMUM PERCENT RECYCLED STEEL, WITH MINIMUM PERCENT CLASSIFIED AS POST-CONSUMER AS INDICATED ON DRAWINGS

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. ACCEPTABLE MANUFACTURERS:
   1. MASTER-HALCO, INC. (WWW.FENCEONLINE.COM)
   2. MERCHANTS METALS. (WWW.MERCHANTSMETALS.COM)
   3. PERFECTION FENCE CORP. (WWW.PERFECTIONFENCE.COM)
   4. SOUTHWESTERN WIRE, INC. (WWW.SOUTHWESTERNWIRE.COM)

2.2 MATERIALS

A. MATERIALS AND COMPONENTS: CONFORM TO CLFMI PRODUCT MANUAL.
B. CHAIN LINK FABRIC:
   1. ZINC-COATED STEEL FABRIC: ASTM A392, HOT DIPPED GALVANIZED BEFORE OR AFTER WEAVING, CLASS 1 - 1.2 OUNCES PER SQUARE FOOT.
   2. FABRIC SELVAGE:
      a. MESH SIZE 2 INCHES OR MORE:
         1) 72 INCHES HIGH AND OVER: KNUCKLE FINISH ONE END, TWIST FINISH OPPOSITE END.
         2) FABRIC LESS THAN 72 INCHES HIGH: KNUCKLE FINISH TOP AND BOTTOM.
      3. WIRE GAGE: 6.
      4. MESH SIZE: 2 INCHES.
C. FRAMEWORK:
   1. ROUND STEEL PIPE AND RAIL, ASTM F1043, GROUP IA - HEAVY INDUSTRIAL FENCE FRAMEWORK, SCHEDULE 40 GALVANIZED PIPE PER ASTM F1083.
   2. GRADE: INTERMEDIATE STRENGTH.
   3. FINISH: EXTERIOR ZINC COATING TYPE A, INTERIOR ZINC COATING TYPE A.
   4. SIZES:
      a. LINE POSTS: 3 INCH OD.
      b. END, CORNER, PULL POSTS: 3 INCH OD.
      c. TOP, BRACE, BOTTOM, AND INTERMEDIATE RAILS, 1.660 INCHES OD.
D. TENSION WIRE: METALLIC COATED STEEL MARCELLED TENSION WIRE: 7 GAGE, ASTM A824, TYPE I - ALUMINUM-COATED (ALUMINIZED) 0.40 OUNCES PER SQUARE FOOT.
E. FITTINGS:
   1. TENSION AND BRACE BANDS: PRESSED GALVANIZED STEEL, ASTM F626, MINIMUM 12 GAGE, MINIMUM 3/4 INCH WIDTH, MINIMUM ZINC COATING OF 1.20 OUNCES PER SQUARE FOOT, WITH 5/16 3/8 INCH GALVANIZED STEEL CARRIAGE BOLTS.
   2. TERMINAL POST CAPS, LINE POST LOOP TOPS, RAIL AND BRACE ENDS, BOULEVARD CLAMPS, AND RAIL SLEEVES: ASTM F626, PRESSED STEEL GALVANIZED AFTER FABRICATION, A MINIMUM ZINC COATING OF 1.20 OUNCES PER SQUARE FOOT.
   3. TRUSS ROD ASSEMBLY: ASTM F626, 3/8 INCH DIAMETER STEEL TRUSS ROD WITH PRESSED STEEL TIGHTENER, MINIMUM ZINC COATING OF 1.2 OUNCES PER SQUARE FOOT, CAPABLE OF WITHSTANDING 2000 POUND TENSION.
   4. TENSION BARS: ASTM F626, GALVANIZED STEEL, SINGLE PIECE LENGTH 2 INCHES LESS THAN FABRIC HEIGHT, MINIMUM ZINC COATING THICKNESS OF 1.2 OUNCES PER SQUARE FOOT.
      a. BARS FOR 2 AND 1-3/4 INCH MESH: MINIMUM CROSS SECTION OF 3/16 X 3/4 INCH.
F. SWING GATES:
   1. ASTM F900, GALVANIZED STEEL, WELDED FABRICATION, 1.900 INCH OD FRAME MEMBERS, [ASTM F1043, GROUP IA, ASTM F1083 SCHEDULE 40 PIPE,] [ASTM F1043 GROUP IC PIPE,] SPACED MAXIMUM 8 FEET APART VERTICALLY AND HORIZONTALLY.
   2. WELDED JOINTS PROTECTED WITH ZINC-RICH PAINT IN ACCORDANCE WITH ASTM A780.
   3. POSITIVE LOCKING GATE LATCH FABRICATED FROM 5/16 INCH THICK X 1-3/4 INCH PRESSED STEEL GALVANIZED AFTER FABRICATION.
   4. GALVANIZED MALLEABLE IRON OR HEAVY GAGE PRESSED STEEL POST AND FRAME HINGES.
   5. FABRIC TO MATCH FENCING.
   6. GATE POSTS: ASTM F1043, GROUP IA, ASTM F1083 SCHEDULE 40 PIPE, 3 INCH OD, POLYMER COATED, TYPE AND COLOR TO MATCH FABRIC.
G. CONCRETE: SPECIFIED IN SECTION 03 3000.

PART 3 EXECUTION

3.1 INSTALLATION

A. FRAMEWORK:
   1. DRILL POST HOLES INTO UNDISTURBED OR COMPACTED SOIL.
   2. SET POSTS IN CONCRETE FOOTINGS IN ACCORDANCE WITH ASTM F567.
   3. MINIMUM FOOTING DEPTH: 36 INCHES PLUS AN ADDITIONAL 3 INCHES FOR

MASTER FINISH SCHEDULE

GENERAL NOTES:
1. NEW & REMODEL STORES HAVE THE OPTION OF A COOL OR WARM PALETTE FOR INTERIOR FINISHES
2. CODE SUFFIX (C) = COOL PALETTE FINISHES
3. CODE SUFFIX (W) = WARM PALETTE OR REMODEL FINISHES WHEN KEEPING 2015 IMAGE FLOOR TILE
4. CODE SUFFIX (E) = EXISTING
5. FINISHES WITHOUT SUFFIX ARE UNIVERSAL TO THE COOL & WARM PALETTE
6. REMODEL STORES KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR) SHALL ONLY USE THE WARM PALETTE

8/30/2020

TILE - DALTILE

DAL TILE PALETTE

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
G-01 (C)	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 107 - IRON	CUSTOMER AREA GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) COMMENTS FOR LOCATION	ALL INQUIRIES MUST MENTION THE NATIONAL ACCOUNT WITH DUNKIN BRANDS PHONE: 877-556-5728 EMAIL:NATIONAL.ACCOUNTS@DALTILE.COM DBI REP : PAULA TOSTI 978.835.7793 EMAIL: PAULA.TOSTI@DALTILE.COM
G-01 (W)	GROUT	LATRICRETE	# 35 - MOCHA	CUSTOMER AREA GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) COMMENTS FOR LOCATION	
		CUSTOM TILE PRODUCTS	# 540 - TRUFFLE	CUSTOMER AREA GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) COMMENTS FOR LOCATION	
G-02	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 47 - CHARCOAL	BACK OF HOUSE GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) COMMENTS FOR LOCATION	
G-03	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 38 - AVALANCHE	BACK LINE GROUT- SEE FINISH SCHEDULE WALL TILE (WT) COMMENTS FOR LOCATION	
G-04	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 10 - BLACK	BRICK TILE GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) OR WALL TILE (WT) COMMENTS FOR LOCATION	
G-05	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 09 - GRAY	RESTROOM GROUT- SEE FINISH SCHEDULE WALL TILE (WT) COMMENTS FOR LOCATION	
~~G-06~~	NOT USED				
FT-01 (C)	PORCELAIN TILE	DAL TILE	DB PORTFOLIO POR -- 12X24 FLOOR PF05 "ASH GREY STD" # PF0512241PK	**COOL PALETTE -** 12"X24" FRONT OF HOUSE (PUBLIC AREAS) AND RESTROOM AREA TILE - USE W/ GROUT G-01 (C)	
FT-01 (W)	PORCELAIN TILE	DAL TILE	AFFINITY TILE - BIEGE AF02 12" X 24" / MATTE FINISH	**WARM PALETTE-** 12"X24" FRONT OF HOUSE (PUBLIC AREAS) AND RESTROOM AREA TILE - USE W/ GROUT G-04	
FT-01 (E)	PORCELAIN TILE	DAL TILE	**REMODEL KEEPING EXISTING FLOOR TILE**	2015 IMAGE TILE (TAN COLOR) MAYBE AVAILIABLE (COLOR MATCH REQUIRED) FROM DAL TILE N500 "PUNKIN LATTE"	
~~FT-01 ALT (C)~~	NOT USED				
~~FT-01 ALT (W)~~	NOT USED				
FT-02	QUARRY TILE	DAL TILE	DB TEXTURES - 6X6X1/2 FLOOR CE 0T03 "ASHEN GRAY STD" # 0T03661P	**COOL AND WARM PALETTE -** 6"X6"; BACKLINE/SERVICE AREA & B.O.H. AREAS - USE W/ GROUT G-02	
FT-02 (E)	QUARRY TILE	DAL TILE	**REMODEL KEEPING EXISTING FLOOR TILE**		
~~FT-03 (C)~~	NOT USED				
FT-03 (W)	PORCELAIN TILE	DAL TILE	SADDLE BROOK TILE - FARMHOUSE SD14 6" X 46" MATTE FINISH	**WARM PALETTE -** 6" X 36" TILE SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
FTB-01 CUT (C)	PORCELAIN TILE	DAL TILE	DB PORTFOLIO POR -- 12X24 FLOOR PF05 "ASH GREY STD" # PF0512241PK	**COOL PALETTE -** CUT 12"X24" FLOOR TILE W/ BRUSHED NICKEL SCHLUTER STRIP CAP JOLLY - ANIGB COLOR MATCH WALL TILE ALUMINUM TRIM MATTE WHITE TSDA DARK ANTHRACITE TSSG STONE GREY	
FTB-01 CUT (W)	PORCELAIN TILE	DAL TILE	PORTFOLIO 12X24 FLOOR PF-03 "FANGO	**WARM PALETTE -** CUT 12"X24" FLOOR TILE W/ BRUSHED NICKEL SCHLUTER STRIP CAP JOLLY - ANIGB COLOR MATCH WALL TILE ALUMINUM TRIM MATTE WHITE TSDA DARK ANTHRACITE TSSG STONE GREY USE W/ GROUT G-04	
FTB-01 ALT CUT (C)	NOT USED			**COOL PALETTE -** CUT 12"X12" FLOOR TILE W/ BRUSHED NICKEL SCHLUTER STRIP CAP JOLLY - ANIGB COLOR MATCH WALL TILE ALUMINUM TRIM MATTE WHITE TSDA DARK ANTHRACITE TSSG STONE GREY	
FTB-01 ALT CUT (W)	NOT USED				
FTB-01 COVE (C)	PORCELAIN TILE	DAL TILE	DB PORTFOLIO PORC - 6X12 COVE BASE HM05 "ASH GREY STD" # PF05P36C9TB1P2	**COOL PALETTE -** 6"X12" COVED BASE TILE (OPTIONAL UPGRADE FOR FRONT OF HOUSE PUBLIC AREAS AND RESTROOMS)	
FTB-01 COVE (W)	PORCELAIN TILE	DAL TILE	PORTFOLIO COVE BASE PF-03 "FANGO"	**WARM PALETTE -** USE W/ GROUT G-04	
FTB-02 COVE	QUARRY TILE WALL BASE	DAL TILE	DB TEXTURES Q3565U 0T03 "ASHEN GRAY STD" # 0T03Q3565U1P	**COOL AND WARM PALETTE -** 5"X 6" COVE BASE- SEE NATIONAL ACCOUNTS FOR INSIDE/OUTSIDE CORNER PRODUCT NUMBERS # 0T03Q3565U1P - COVE BASE # 0T03QCL3565U1P - LEFT CORNER # 0T03QCR3565U1P - RIGHT CORNER # 0T03QB3565U1P - INSIDER CORNER USE W/ GROUT G-02	
~~FTB-03 CUT(C)~~	NOT USED				
FTB-03 CUT(W)	PORCELAIN TILE	DAL TILE	SADDLE BROOK TILE - FARMHOUSE SD14 6" X 36" MATTE FINISH	**WARM PALETTE -** USE W/ 6" X 36" TILE WALL BASE @ SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
~~FTB-03 ALT CUT (C)~~	NOT USED				
~~FTB-03 ALT CUT (W)~~	NOT USED				
~~FTB-03 COVE(C)~~	NOT USED				
FTB-03 COVE(W)	PORCELAIN TILE	DAL TILE	SADDLE BROOK TILE - FARMHOUSE SD14 6" X 36" MATTE FINISH	**WARM PALETTE -** USE W/ 6" X 36" COVE TILE WALL BASE @ SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
WT-01 (C)	PORCELAIN TILE	DAL TILE	DB DUNKIN SWITCH ACCENT 12" x 24" (backline wall) # N812DD12241P2	**COOL PALETTE -** NSTALL PER PATTERN SHOWN IN DETAIL # 5/A9.0 BACKLINE WALL TIILE - 12X24 BACKLINE WALL TIILE - USE W/ GROUT G-03 ALUMINUM PROFILE: SCHLUTER, JOLLY, MBW MATTE WHITE HEIGHT 10 mm (3/8") A100MBW	
WT-01 (W)	PORCELAIN TILE	DAL TILE	DB DUNKIN SWITCH WARM ACCENT 12" x 24" (backline wall) # N515SA0212224P2	**WARM PALETTE OR REMODEL USE ONLY - WHEN KEEPING EXITING 2015 IMAGE FLOOR TILE (TAN COLOR)** INSTALL PER PATTERN SHOWN IN DETAIL # 5/A9.0 BACKLINE WALL TIILE - USE W/ GROUT G-03 ALUMINUM PROFILE: SCHLUTER, JOLLY, MBW MATTE WHITE HEIGHT 10 mm (3/8") A100MBW	
WT-02	PORCELAIN TILE	DAL TILE	DB PORTFOLIO POR – 6X24 FLOOR PF09 "CHARCOAL" # PF096241PK	**COOL AND WARM PALETTE -** BRICK STYLE 6" X 24" OR "4 X 12" SP. ORDER CUT TO SIZE (WT-2) - USE W/ GROUT G-04 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSDA DARK ANTHRACITE HEIGHT 8 mm (5/16") A80TSDA	
WT-03	PORCELAIN TILE	DAL TILE	DB FIELD - 6"X18" (RESTROOMS) COLOR WHEEL LINEAR - ARCTIC WHITE # 0790 MATTE	**COOL AND WARM PALETTE -** RESTROOMS INSTALL IN A STACK BOND PATTERN 6"X18" - USE W/ GROUT G-5 ALUMINUM PROFILE: SCHLUTER, JOLLY, MBW MATTE WHITE HEIGHT 8 mm (5/16") A80MBW	
WT-04 (C)	PORCELAIN TILE	DAL TILE	DB BLOCK PARTY 6" X 6" - 2TILE ACCENT (RESTROOMS) # N515BP01661P4	**COOL PALETTE -** INSTALL PER PATTERN SHOWN IN DETAIL # 3/A9.0 RESTROOM ACCENT 6" X 6" - USE W/ GROUT G-5 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSSG STONE GREY 8 mm (5/16") A80TSSG	
WT-04 (W)	PORCELAIN TILE	DAL TILE	DB BLOCK PARTY 6" X 6" - 2TILE ACCENT (RESTROOMS) #N515BP02661P4	**WARM PALETTE OR REMODEL USE ONLY WHEN KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR)** INSTALL PER PATTERN SHOWN IN DETAIL # 3/A9.0 - BACKLINE WALL TIILE - RESTROOM ACCENT INSTALL IN A RANDOM PATTERN 6" X 6" - USE W/ GROUT G-5 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSSG STONE GREY 8 mm (5/16") A80TSSG	

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DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

GN-2.0
MASTER FINISH SCHEDULE

MASTER FINISH SCHEDULE

TILE - CREATIVE MATERIALS

CREATIVE MATERIALS PALETTE

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
G-01 (C)	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 27 - SILVER	CUSTOMER AREA GROUT- SEE FINISH SCHEDULE FLOOR TILE (FC) COMMENTS FOR LOCATION	CONTACT INFORMATION PHONE: 800.207.2967 EXT. 3865 (DUNK) FAX: 518-452-9153 EMAIL: DUNKINTILE@CREATIVEMATERIALSCORP.COM
G-01 (W)	GROUT	LATRICRETE	# 35 - MOCHA	CUSTOMER AREA GROUT- SEE FINISH SCHEDULE FLOOR TILE (FC) COMMENTS FOR LOCATION	
		CUSTOM TILE PRODUCTS	# 540 - TRUFFLE	CUSTOMER AREA GROUT - SEE FINISH SCHEDULE FLOOR TILE (FC) COMMENTS FOR LOCATION	
G-02	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 47 - CHARCOAL	BACK OF HOUSE GROUT- SEE FINISH SCHEDULE FLOOR TILE (FC) COMMENTS FOR LOCATION	
G-03	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 38 - AVALANCHE	BACK LINE GROUT- SEE FINISH SCHEDULE WALL TILE (WT) COMMENTS FOR LOCATION	
G-04	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 10 - BLACK	BRICK TILE GROUT- SEE FINISH SCHEDULE FLOOR TILE (FT) OR WALL TILE (WT) COMMENTS FOR LOCATION	
G-05	GROUT	MAPEI	ULTRSCOLOR PLUS FA # 09 - GRAY	RESTROOM GROUT- SEE FINISH SCHEDULE WALL TILE (WT) COMMENTS FOR LOCATION	
~~G-06~~	NOT USED				
FT-01 (C)	PORCELAIN TILE	CREATIVE MATERIALS	LAVA LIGHT GRAY	**COOL PALETTE -** 12"X24" FRONT OF HOUSE (PUBLIC AREAS) AND RESTROOM AREA TILE - USE W/ GROUT G-01 (C)	
FT-01 (W)	PORCELAIN TILE	CREATIVE MATERIALS	"LAVA SAND" 12X24 NATURAL MATTE FINISH	**WARM PALETTE -** 12"X24" FRONT OF HOUSE (PUBLIC AREAS) AND RESTROOM AREA TILE - USE W/ GROUT G-04	
FT-01 (E)	PORCELAIN TILE	CREATIVE MATERIALS	**REMODEL KEEPING EXISTING FLOOR TILE**	2015 IMAGE TILE (TAN COLOR) MAY BE AVAILABLE (COLOR MATCH REQUIRED) FROM DAL TILE N500 "PUNKIN LATTE"	
~~FT-01 ALT (C)~~	NOT USED			12 X 12 - NOT USED	
~~FT-01 ALT (W)~~	NOT USED				
FT-02	QUARRY TILE	CREATIVE MATERIALS	PURITAN GRAY	**COOL AND WARM PALETTE -** 6"X6"; BACKLINE/SERVICE AREA & B.O.H. AREAS - USE W/ GROUT G-02	
FT-02 (E)	QUARRY TILE	CREATIVE MATERIALS	**REMODEL KEEPING EXISTING FLOOR TILE**		
~~FT-03 (C)~~	NOT USED				
FT-03 (W)	PORCELAIN TILE	CREATIVE MATERIALS	MOTIVATE - WALNUT 6" X 36" MATTE FINISH	**WARM PALETTE -** 6" X 36" TILE SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
FTB-01 CUT (C)	PORCELAIN TILE	CREATIVE MATERIALS	LAVA LIGHT GRAY	**COOL PALETTE -** CUT 12"X24" FLOOR TILE W/ BRUSHED NICKEL SCHLUTER STRIP CAP JOLLY - ANIGB COLOR MATCH WALL TILE ALUMINUM TRIM MATTE WHITE TSDA DARK ANTHRACITE TSSG STONE GREY	
~~FTB-01 CUT (W)~~	NOT USED				
~~FTB-01 ALT CUT (C)~~	NOT USED				
~~FTB-01 ALT CUT (W)~~	NOT USED				
FTB-01 COVE (C)	PORCELAIN TILE	CREATIVE MATERIALS	LAVA LIGHT GRAY	**COOL PALETTE -** 6"X12" COVED BASE TILE (OPTIONAL UPGRADE) USE W/ GROUT G-01 (C)	
FTB-01 COVE (W)	PORCELAIN TILE	CREATIVE MATERIALS	"LAVA NUT" 12X24 NATURAL	**WARM PALETTE -** USE W/ GROUT G-04	
FTB-02 COVE	QUARRY TILE WALL BASE	CREATIVE MATERIALS	PURITAN GRAY	**COOL AND WARM PALETTE -** 5"X 6" COVE BASE- SEE NATIONAL ACCOUNTS FOR INSIDE/OUTSIDE CORNER PRODUCT NUMBERS - COVE BASE - LEFT CORNER- RIGHT CORNER - INSIDER CORNER USE W/ GROUT G-02	
~~FTB-03 CUT (C)~~	NOT USED				
FTB-03 CUT (W)	PORCELAIN TILE	CREATIVE MATERIALS	MOTIVATE - WALNUT 6" X 36" MATTE FINISH	**WARM PALETTE -** USE W/ 6" X 36" TILE WALL BASE TILE @ SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
~~FTB-03 ALT (C)~~	NOT USED				
~~FTB-03 ALT (W)~~	NOT USED				
~~FTB-03 COVE (C)~~	NOT USED				
FTB-03 COVE(W)	PORCELAIN TILE	CREATIVE MATERIALS	MOTIVATE - WALNUT 6" X 36" MATTE FINISH	**WARM PALETTE -** USE W/ 6" X 36" TILE WALL BASE TILE @ SEATING AREA ACCENT FLOOR TILE. USE W/ GROUT G-04	
WT-01 (C)	PORCELAIN TILE	CREATIVE MATERIALS	STRATA WHITE 12" x 24" - SERVICE LINE TILE #63443	**COOL PALETTE -** INSTALL PER PATTERN SHOWN IN DETAIL # 5/A9.0 BACKLINE WALL TIILE - 12X24 BACKLINE WALL TIILE - USE W/ GROUT G- 03 ALUMINUM PROFILE: SCHLUTER, JOLLY, MBW MATTE WHITE HEIGHT 10 mm (3/8") A100MBW	
WT-01 (W)	PORCELAIN TILE	CREATIVE MATERIALS	STRATA BEIGE 12" x 24" - SERVICE LINE TILE #64589	**WARM PALETTE OR REMODEL USE ONLY WHEN KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR)**	
				INSTALL PER PATTERN SHOWN IN DETAIL # 5/A9.0 BACKLINE WALL TIILE - USE W/ GROUT G- 03 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSI IVORY HEIGHT 8 mm (5/16") A80TSI	

TILE - CREATIVE MATERIALS

WT-02	PORCELAIN TILE	CREATIVE MATERIALS	BRICKWORLD SOHO BLACK - DINING AREA TILE	**COOL AND WARM PALETTE -** BRICK STYLE 3" X 12". - USE W/ GROUT G-04 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSDA DARK ANTHRACITE HEIGHT 8 mm (5/16") A80TSDA	
WT-03	PORCELAIN TILE	CREATIVE MATERIALS	HOLIDAY WHITE 64725 8" X 16"	**COOL AND WARM PALETTE -** RESTROOMS INSTALL IN A STACK BOND PATTERN 8"X16" - USE W/ GROUT G-05 ALUMINUM PROFILE: SCHLUTER, JOLLY, MBW MATTE WHITE HEIGHT 8 mm (5/16") A80MBW	
WT-04 (C)	PORCELAIN TILE	CREATIVE MATERIALS	STRATA TAUPE 64738 8" X 8"	**COOL PALETTE** - INSTALL PER PATTERN SHOWN IN DETAIL # 3/A9.0 - RESTROOM 8"X8" - USE W/ GROUT G-05 ALUMINUM PROFILE: SCHLUTER, JOLLY, TSSG STONE GREY 8 mm (5/16") A80TSSG	
WT-04 (W)	PORCELAIN TILE	CREATIVE MATERIALS		**WARM PALETTE OR FOR REMODEL USE ONLY WHEN KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR); SEE SPEC FOR CREATIVE MATERIAL WT-04** INSTALL PER PATTERN SHOWN IN DETAIL # 3/A9.0 -	

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DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date :
03 - 06 - 2024

project # :
230636

GN-2.1
MASTER FINISH SCHEDULE

MASTER FINISH SCHEDULE

VINYL WALL COVERING

VINYL WALL COVERING

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
WC-01 (C)	TYPE II VINYL WALL COVERING	DL COUCH	DLC-122 "MINERAL" VERSA ARIES PATTERN 20 OZ TYPE II w/ AQUASAFE	ARCHITECT/G.C. TO CONFIRM FRANCHISEE PREFERENCE ON MANUFACTURER	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
		WOLF GORDON	DUNKIN RIVULET 54" WIDE GOH 31818546 COLOR NEXTGEN NEUTRAL COOL PALETTE		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-01 (W)	TYPE II VINYL WALL COVERING	DL COUCH	SKETCH TEX - TEA WASH (T2-TX-20)	ARCHITECT/G.C. TO CONFIRM FRANCHISEE PREFERENCE ON MANUFACTURER	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
	TYPE II VINYL WALL COVERING	WOLF GORDON	DUNKIN RIVULET 54" WIDE GOH 31802393		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-02 (C)	TYPE III (VINYL WALL PROTECTION)	DL COUCH	VERSAGAURD HALCYN TYP3 127860 "WINDWARD"	ARCHITECT/G.C. TO CONFIRM FRANCHISEE PREFERENCE ON MANUFACTURER	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
		WOLF GORDON	RAMPART 52"WIDE WG 12691266		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-02 (W)	TYPE III (VINYL WALL PROTECTION)	DL COUCH	VERSAGAURD PANAMA LINEN - SUGAR CANE (TYPE III)	ARCHITECT/G.C. TO CONFIRM FRANCHISEE PREFERENCE ON MANUFACTURER	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
		WOLF GORDON	RAMPART 52" WIDE GOH 31802395		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-03 (C)	ADVANCED WALL PROTECTION	DL COUCH	DLC-26519C WOOD WALL P3TEC (NATURELLE) (48" WIDE 15 YARD BOLT)	WOOD WALL MUST BE INSTALLED RAILROADED. ALRTERANTE FOR WD-01	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
	NOT USED	WOLF GORDON	SEE DL COUCH WC-03 (C)		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-03 (W)	NOT USED	DL COUCH			CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
	NOT USED	WOLF GORDON			CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM
WC-04	NOT USED	DL COUCH	SEE WOLF GORDON WC-04	CHARCOAL WALL ALRTERANTE FOR WT-02	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. KAITLYN FEASTER - ACCOUNT MANAGER 800.366.6839 X326 CUSTOMERSERVICE@MOMTEX.COM
	TYPE III (WALL PROTECTION)	WOLF GORDON	RAMPART 52" WIDE CHARCOAL GOH 31818583 TYPE III WALL PROTECTION,		CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING. FAX ORDER FORM TO :718.706.5912 OR ALFREDO.ORTIZ@WOLFGORDON.COM

WALL PROTECTION

WALL PROTECTION

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
~~WP-PL1 (C)~~	NOT USED				
~~WP-PL1 (W)~~	NOT USED				
WP-PL2 (C)	LAMINATE	WILSONART	4857-60 "SHADOW ZEPHYR" MATTE FINISH (SAME AS PL-10(C))	PLAM WALL PANELS 48" x 96" (GC PROVIDED ITEM - GC CAN PURCHASE FROM DUNKIN MILLWORK VENDOR)	
WP-PL2 (W)	LAMINATE	FORMICA	5884 "CHESTNUT WOODLINE" MATTE FINISH (SAME AS PL-10(W))	**WARM PALETTE OR REMODEL USE ONLY -** PLAM WALL PANELS 48" x 96" (GC PROVIDED ITEM - GC CAN PURCHASE FROM DUNKIN MILLWORK VENDOR)	
WP-CR1		IMPACT SPECIALTIES	COLOR: "BRUSHED NICKEL"	SARATOGA CHAIR RAIL 3" H x 114"L x 1/2" THK; VA200 "BRUSHED NICKEL" CORNER GUARD	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING FOR ASSISTANCE, PLEASE CONTACT CUSTOMER SERVICE AT PHONE: 888-424-6287
WP-CR2 (C)	SOLID SURFACE	LG HI-MACS	CUSTOM COLOR: CANTON (SEE AS SS-01(C)) FINISH: POLISHED EDGE PROFILE: REFERENCE MILLWORK DETAIL ALUMINUM PROFILE: SCHLUTER, JOLLY	SOLID SURFACE CHAIR RAIL	
WP-CR2 (W)	SOLID SURFACES	LG HI-MACS	CUSTOM COLOR: G122 BAMBOO LEAF (SEE AS SS-01 (W)) FINISH: POLISHED EDGE PROFILE: REFERENCE MILLWORK DETAIL ALUMINUM PROFILE: SCHLUTER, JOLLY	SOLID SURFACE CHAIR RAIL	
WP-C1		IMPACT SPECIALTIES	COLOR: "BRUSHED NICKEL" VA-200 CORNER 72" X 11/2" X 1 1/2"	CHAIR RAIL CORNER PIECE	CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING FOR ASSISTANCE, PLEASE CONTACT CUSTOMER SERVICE AT PHONE: 888-424-6287
~~NOT USED~~					
~~NOT USED~~					

WOOD LAMINATE

WOOD LAMINATE

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
WD-01	WOOD LAMINATE		SEE MILLWORK FINISHES PL-01 (C)	OPTIONAL UPGRADE FOR COOL PALETTE ONLY	
~~WD-02~~	NOT USED				
~~WD-03~~	NOT USED				

INTERIOR PAINT

INTERIOR WALL PAINT

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PT-01 (C)	PAINT	SHERWIN WILLIAMS	LIGHT GREY SW 7671 "ON THE ROCKS"	SHEEN: SATIN-EGGSHELL - WALL / SOFFIT PAINT WHERE INDICATED.	PLACE ORDER WITH LOCAL SHERWIN WILLIAMS STORE FOR A STORE NEAR YOU CALL: 800-474-3794 MARK T. WEINER NATIONAL ACCOUNT EXECUTIVE 93 CHURCH ST BARRINGTON RI 02806 M: 617-438-1408 O: 401-245-5176 EMAIL: MARK.T.WEINER@SHERWIN.COM
PT-01 (W)	PAINT	SHERWIN WILLIAMS	SW 9088 "UTAUPEIA"	WALL / SOFFIT PAINT WHERE INDICATED	
PT-02 (C)	PAINT	SHERWIN WILLIAMS	CHARCOAL SW 7069 "IRON ORE"	SHEEN: FLAT FOR CEILING / SOFFIT; SEMIGLOSS FOR DOORS AND FRAMES	
PT-02 (W)	PAINT	SHERWIN WILLIAMS	SW 6005 "FOLKSTONE"	SHEEN: FLAT FOR CEILING / SOFFIT; SEMIGLOSS FOR DOORS AND FRAMES	
PT-03 (C)	PAINT	SHERWIN WILLIAMS	OFF WHITE SW 6252 "ICE CUBE"	SHEEN: FLAT FOR CEILING; SEMIGLOSS FOR DOORS AND FRAMES	
PT-03 (W)	PAINT	SHERWIN WILLIAMS	SW 9109 "NATURAL LINEN"	SHEEN: FLAT FOR CEILING; SEMIGLOSS FOR DOORS AND FRAMES	
~~PT-04~~	NOT USED				
~~PT-05~~	NOT USED				

CEILING FINISH

CEILING FINISH

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
CT-01	ACOUSTIC CEILING TILE	ARMSTRONG	**WHITE FACTORY FINISH** #1732 WH (2' X 2')	WHITE, FINE FISSURED TILE WITH WHITE GRID [ARMSTRONG/#7300 WH/ SIZE: 5/16"]	PLEASE CONTACT ARMSTRONG @ 1-800-442-4212. CLEARLY STATE THAT YOUR ARE A MEMBER OF DUNKIN' BRANDS, INC. STRATEGIC ACCOUNT UPON PURCHASING MATERIAL TO RECEIVE NATIONAL PRICING.
CT-02	CEILING TILE AND GRID SYSTEM	ARMSTRONG	**BLACK FACTORY FINISH** 1728 BL (2' X 2')	BLACK, FINE FISSURED-TILE AND BLACK GRID NOTE: STANDARD CLG. TILE IN PUBLIC AREAS (SALES & SEATING AREA)- FOR NEW &	
CT-03	VINYL FACED CLG TILE	ARMSTRONG	#870 (2' X 4') / #868 (2' X2')	WHITE TILE AND GRID	

TRAFFIC STRIPING PAINT

TRAFFIC STRIPING PAINT

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION	VENDOR CONTACTS
TP-01	PAINT	SHERWIN WILLIAMS	PRO PARK	"WHITE": B97WD2434	PLACE ORDER WITH LOCAL SHERWIN WILLIAMS STORE FOR A STORE NEAR YOU CALL: 800-474-3794 MARK T. WEINER NATIONAL ACCOUNT EXECUTIVE 93 CHURCH ST BARRINGTON RI 02806 M: 617-438-1408 O: 401-245-5176 EMAIL: MARK.T.WEINER@SHERWIN.COM
TP-02	PAINT	SHERWIN WILLIAMS	PRO PARK	"BLUE": B97LD2022	
TP-03	PAINT	SHERWIN WILLIAMS	PRO PARK	"YELLOW": B97YD2467	
TP-04	PAINT	SHERWIN WILLIAMS	PRO PARK	"ORANGE": CUSTOM MIX B97YD2467 CCE* COLORANT 0Z 32 64 128 W1-WHITE - 6 1 --- R4-NEW RED 4 53 1 --- Y3-DEEP GOLD - 06 - 1	
TP-05	PAINT	SHERWIN WILLIAMS	PRO PARK	"PINK": CUSTOM MIX B97RD2012 CEE* COLORANT 0Z 32 64 128 W1-WHITE 6 -- -- -- L1- BLUE -- 6 -- --	
~~TP-06~~	NOT USED				

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AR0016152
REGISTERED ARCHITECT

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DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

GN-2.2
MASTER FINISH SCHEDULE

MASTER FINISH SCHEDULE

EXTERIOR PAINT

EXTERIOR WALL PAINT

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PTE-01	PAINT	SHERWIN WILLIAMS	**GRAY FINISH**	SW 7019 "GAUNTLET GRAY"	PLACE ORDER WITH LOCAL SHERWIN WILLIAMS STORE FOR A STORE NEAR YOU CALL: 800-474-3794 MARK T. WEINER NATIONAL ACCOUNT EXECUTIVE 93 CHURCH ST BARRINGTON RI 02806 M: 617-438-1408 O: 401-245-5176 EMAIL: MARK.T.WEINER@SHERWIN.COM
PTE-02	PAINT	SHERWIN WILLIAMS	**CHARCOAL FINISH**	SW 7069 "IRON ORE"	
PTE-03	NOT USED		**WOOD PATTERN**	SEE FIBER CEMENT LAP SIDING PS-03	
PTE-04	PAINT	SHERWIN WILLIAMS	**OFF WHITE FINISH**	SW 7063 "NEBULOUS WHITE"	
PTE-05	PAINT	SHERWIN WILLIAMS	**MID-TONE FINISH**	SW 7066 "GRAY MATTERS"	
PTE-06	NOT USED				
PTE-07	NOT USED				
PTE-08	NOT USED				
PTE-09	PAINT	SHERWIN WILLIAMS OR FACTORY FINISH TO MATCH SW COLOR	**WALK -IN BOX**	SW 7069 "IRON ORE"	
PTE-10	PAINT	SHERWIN WILLIAMS	**SECONDARY MID-TONE FINISH**	SW 6255 "MORNING FOG"	
PTE-11	NOT USED		**LINEN WHITE**	SEE SPEC FOR METAL PAINT PC-10	
PTE-12	PAINT		**DD PINK**	**COLOR MATCH PMS 219 C** MAP ULTRA LOW V.O.C.	
PTE-13	PAINT		**DD ORANGE**	**COLOR MATCH PMS 165C** MAP ULTRA LOW V.O.C.	
PTE-14	NOT USED				

EXTERIOR FIBER-CEMENT CLADDING SYSTEMS

EXTERIOR FIBER-CEMENT CLADDING SYSTEMS

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PP-01	FIBER-CEMENT CLADDING	NICHIHA	**GRAY FINISH** TUFFBLOCK "PEWTER" EPF641F	COLOR:"PEWTER" SURFACE: STANDARD Dimension: 17 7/8"H x119 5/16"L x 5/8"TH TRIM: NICHIHA MTCK-01 METAL TRIM CORNER KEY 1 1/2" X 1/2" COLOR: CLEAR ANNODIZED	MATT STEPHENSON NATIONAL BRANDS MANAGER: P: 770-789-8228 Email:dunkindonuts@nichiha.com Email:MSTEPHENSON@nichiha.com **Matt Stephenson** Project Manager C: 770-789-8228 Email:mstephenson@nichiha.com
PP-02	FIBER-CEMENT CLADDING	NICHIHA	**CHARCOAL FINISH** TUFFBLOCK "STEEL" EPF644F	COLOR:"STEEL" SURFACE:STANDARD Dimmension: 17 7/8"H x119 5/16"L x 5/8"TH TRIM: NICHIHA MTCK-01 METAL TRIM CORNER KEY 1 1/2" X 1/2" COLOR: CLEAR ANNODIZED	
PP-03	NOT USED		**WOOD FINISH**	SEE FIBER CEMENT LAP SIDING FINISH PS-03	
PP-04	FIBER-CEMENT CLADDING	NICHIHA	**OFF WHITE FINISH** MIRAIA SNOW - EDM1014SUS AWP 18X18 SMOOTH	COLOR: "SNOW" TEXTURE / SURFACE: HIGH GLOSS DIMENSION: 17 7/8"H x 71 9/16"L x 5/8"TH TRIM: NICHIHA MTCK-SNOW METAL-TRIM, CORNER KEY 4 GLOSS PANEL SNOW DIMENSION TRIM: 1 1/2" X 1'-1/2"	
PP-05	FIBER-CEMENT CLADDING		**MID-TONE FINISH** NOT USED SEE PP-01		
PP-06	NOT USED				
PP-07	NOT USED				
PP-08	NOT USED				

EXTERIOR FIBER CEMENT SIDING AND PANELS

EXTERIOR FIBER-CEMENT EXTERIOR SIDINGAND PANELS

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PS-01	FIBER CEMENT PANEL	JAMES HARDIE	**GRAY FINISH**	COLOR:"AGED PEWTER " SURFACE: HARDIE SIDING OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH **PTE-01** DIMENSION: 8 1/4" X 12' X 5/16" THK WITH 6" SIDING EXPOSURE	JEFF HARVEY 774-287-6278 JEFFERY.HARVEY@JAMESHARDIE.COM
PS-01 LP	FIBER CEMENT PANEL	JAMES HARDIE	**GRAY FINISH**	COLOR: "AGED PEWTER" SURFACE: PRE-FINISHED REVEAL PANEL DIMENSION: (5/16" x 48"X96") WITH COLOR MATCHED TRIMS AND COLOR MATCHED SCREWS OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-01	
PS-02	FIBER CEMENT SIDING	JAMES HARDIE	**CHARCOAL FINISH**	COLOR:"IRON GRAY - VOLCANO GRAY " SURFACE: HARDIE SIDING OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-02 DIMENSION: 8 1/4" X 12' X 5/16" THK WITH 6" SIDING EXPOSURE	
PS-02 LP	FIBER CEMENT PANEL	JAMES HARDIE	**CHARCOAL FINISH**	COLOR:"IRON GRAY - VOLCANO GRAY" SURFACE: PRE-FINISHED REVEAL PANEL DIMENSION: (5/16" x 48"X96") WITH COLOR MATCHED TRIMS AND COLOR MATCHED SCREWS OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-02	
PS-03	FIBER CEMENT SIDING	WOODTONE	**WOOD FINISH** RUSTIC SERIES WOODTONE	COLOR "HONEY GLAZE" WOOD PATTERN SURFACE: WOOD PATTERN PLANK DIMENSION: 8 1/4" X 12' X 5/16" THK WITH 6" SIDDING EXPOSURE NOTE: NAILS TO MATCH WOOD FINISH	FOR WOODTONE PRODUCTS: LAURENCE TAYLOR, WOODTONE SALES REPRESENTATIVE PHONE: (604) 792-3680 CELL: (604) 798-2664 LAURENCET@WOODTONE.COM TIM FOLSTER WOODTONE MANAGER, STRATEGIC ACCOUNTS PHONE: (604) 792-3680 CELL: (604) 845-9663 TIMF@WOODTONE.COM
PS-04	NOT USED				
PS-04 LP	FIBER CEMENT PANEL	JAMES HARDIE	**OFF WHITE FINISH LARGE FORMAT PANEL**	COLOR:"ARCTIC WHITE" SURFACE: PRE-FINISHED REVEAL PANEL DIMENSION: (5/16" x 48"X96") WITH COLOR MATCHED TRIMS AND COLOR MATCHED SCREWS OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-04	
PS-05	FIBER CEMENT SIDING	JAMES HARDIE	**MID-TONE FINISH**	COLOR:"GRAY SLATE" SURFACE: HARDIE SIDING OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-05 DIMENSION: 8 1/4" X 12' X 5/16" THK WITH 6" SIDING EXPOSURE	
PS-05 LP	FIBER CEMENT PANEL	JAMES HARDIE	**MID-TONE FINISH**	COLOR:"GRAY SLATE" SURFACE: PRE-FINISHED REVEAL PANEL DIMENSION: (5/16" x 48"X96") WITH COLOR MATCHED TRIMS AND COLOR MATCHED SCREWS OR COLOR: "PRIMED FINISH" FIELD PAINT TO MATCH PTE-05	
PS-06	NOT USED				
PS-07	NOT USED				
PS-08	NOT USED				

EXTERIOR EIFS

EXTERIOR EIFS

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
EIFS-01	EIFS	DRYVIT	**GRAY PATTERN**	"GRAY" EIFS; DRYVIT # HDP – DUDO 38 2736 ST: MATCH SW 7019 "GAUNTLET GRAY; SANDPEBBLE FINE	ROBERT DAZEL C: 734-276-0404 BOB.DAZEL@DRYVIT.COM
EIFS-02	EIFS	DRYVIT	**CHARCOAL PATTERN**	"CHARCOAL" EIFS; DRYVIT #DUDO 312736S: MATCH SW 7069 IRON ORE; SANDPEBBLE FINE	
EIFS-02 BR	EIFS	DRYVIT	**CHARCOAL BRICK PATTERN**	MODULAR, WITH TEXTURE: AND WIRE CUT COLOR: GRAY - SW 7019 GAUNTLET GRAY EFFECTS: IRON SPOT AND FLASHED SHAPES COORDINATE AS REQUIRED TO PROJECT SPECIFICS	
EIF-03	NOT USED		**WOOD PATTERN**	SEE WOODTONES PS-03	
EIFS-03 ALT	EIFS	DRYVIT	**WOOD PATTERN**	"WOOD" EIFS; DRYVIT # HDP – DUDO 39 2736 ST: COLOR LATTE; SANDPEBBLE FINE	
EIFS-04	EIFS	DRYVIT	**OFF WHITE PATTERN**	"WHITE" EIFS; DRYVIT DUDO 40 2736 ST : MATCH SW 7063 NEBULOUS WHITE; SANDPEBBLE FINE	
EIFS-05	EIFS	DRYVIT	**MID-TONE CLADDING**	"MIDDLE GREY" EFIS; DRYVIT COLOR: #DUDO 362736S, SANDPEBBLE FINE	
EIFS-06	NOT USED				
EIFS-07	NOT USED				
EIFS-08	NOT USED				
EIFS-09	NOT USED		**WALK -IN BOX**	SEE EXTERIOR PAINT PTE-09	
EIFS-10	NOT USED		**SECONDARY MID-TONE FINISH**		
EIFS-11	NOT USED		**LINEN WHITE**	SEE SPEC FOR METAL PAINT PC-10	
EIFS-12	EIFS	DRYVIT	**PINK BAND**	COLOR: PINK – DUDO 33 1413 S NOTE: STRATOTONE COLORANT	
EIFS-13	EIFS	DRYVIT	**ORANGE BAND**	ORANGE – DUDO 34 1413 S NOTE: STRATOTONE COLORANT	
EIFS-14	NOT USED				

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DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

GN-2.3
MASTER FINISH SCHEDULE

MASTER FINISH SCHEDULE

EXTERIOR METAL PAINTED COATINGS

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PC-01	PAINTED COATING	SHERWIN WILLIAMS	**GRAY FINISH**	SW 7019 "GAUNTLET GRAY"	PLACE ORDER WITH LOCAL SHERWIN WILLIAMS STORE FOR A STORE NEAR YOU CALL: 800-474-3794 MARK T. WEINER NATIONAL ACCOUNT EXECUTIVE 93 CHURCH ST BARRINGTON RI 02806 M: 617-438-1408 O: 401-245-5176 EMAIL: MARK.T.WEINER@SHERWIN.COM
	PAINTED COATING	POWDER COAT	**GRAY FINISH**	SW 7019 "GAUNTLET GRAY"	
PC-02	PAINTED COATING	MATTHEWS PAINT	**CHARCOAL FINISH**	COLOR: MP10269 DARK SLATE FINISH LVS SATIN V2.0	
	PAINTED COATING	SHERWIN WILLIAMS	**CHARCOAL FINISH**	SW 7069 "IRON ORE"	
	PAINTED COATING	POWDER COAT	**CHARCOAL FINISH**	SW 7069 "IRON ORE"	
~~PC-03~~	NOT USED				
	NOT USED				
PC-04	PAINTED COATING	MATTHEWS PAINT	**OFF WHITE FINISH**	**COLOR MATCH PMS COOL GREY 1C** MAP ULTRA LOW V.O.C.	
	PAINTED COATING	SHERWIN WILLIAMS	**OFF WHITE FINISH**	SW 7063 "NEBULOUS WHITE"	
	PAINTED COATING	POWDER COAT	**OFF WHITE FINISH**	SW 7063 "NEBULOUS WHITE"	
PC-05	PAINTED COATING	SHERWIN WILLIAMS	**MID-TONE FINISH**	SW 7066 "GRAY MATTERS"	
	PAINTED COATING	POWDER COAT	**MID-TONE FINISH**	SW 7066 "GRAY MATTERS"	
~~PC-06~~	NOT USED	N/A			
	NOT USED	N/A			
~~PC-07~~	PAINTED COATING	SHERWIN WILLIAMS	**OFF WHITE FINISH**	SW 7063 "NEBULOUS WHITE"	
	PAINTED COATING	POWDER COAT	**OFF WHITE FINISH**	SW 7063 "NEBULOUS WHITE"	
~~PC-08~~	PAINTED COATING	SHERWIN WILLIAMS	**CHARCOAL FINISH**	SW 7069 "IRON ORE"	
	PAINTED COATING	POWDER COAT	**CHARCOAL FINISH**	SW 7069 "IRON ORE"	
PC-09	PAINTED COATING	SHERWIN WILLIAMS OR FACTORY FINISH TO MATCH SW COLOR	**WALK-IN**	SW 7069 "IRON ORE"	
	PAINTED COATING	POWDER COAT TO MATCH SHERWIN WILLIAMS SW COLOR	**WALK-IN**	SW 7069 "IRON ORE"	
~~PC-10~~	PAINTED COATING	SHERWIN WILLIAMS	**MID-TONE FINISH #2**	SW 6255 "MORNING FOG"	
	PAINTED COATING	POWDER COAT	**MID-TONE FINISH #2**	SW 6255 "MORNING FOG"	
	PAINTED COATING		**LINEN WHITE**	**COLOR MATCH WILSONART PLAM "LINEN"** MAP ULTRA LOW V.O.C.	
	PAINTED COATING	POWDER COAT	**LINEN WHITE**	**COLOR MATCH WILSONART PLAM "LINEN"** MAP ULTRA LOW V.O.C.	
PC-12	PAINTED COATING	MATTHEWS PAINT	**DD PINK FINISH**	**COLOR MATCH PMS 219 C** COLOR: MP79206 R161426 FINISH: LVS SATIN V1.0 OVER MP55898 WHITE BASECOAT	
	PAINTED COATING	SHERWIN WILLIAMS	**DD PINK FINISH**	**COLOR MATCH PMS 219 C**	
	PAINTED COATING	POWDER COAT	**DD PINK FINISH**	**COLOR MATCH PMS 219 C**	
PC-13	PAINTED COATING	MATTHEWS PAINT	**DD ORANGE FINISH**	**COLOR MATCH PMS 165C** COLOR: MP797700 R161426 FINISH: LVS SATIN V1.0 OVER MP55898 WHITE BASECOAT	
	PAINTED COATING	SHERWIN WILLIAMS	**DD ORANGE FINISH** COLOR # 5059990	Blended At: Sherwin Williams Product Finishes, Lowell MA Product: LV3 - Genesis Low VOC Satin GT1039 Orange Toner 785.97g / .19gal GT1511 Low VOC Gloss Clear 529.21g / .12gal GT1043 Autumn Orange 194.04g / .05gal GT1011 Artic White 137.20g / .02gal GR1088 Reducer 442.38g / .13gal GT1510 Low VOC Flat Clear 2157.21g / .49gal	
	PAINTED COATING	POWDER COAT	**DD ORANGE FINISH**	**COLOR MATCH PMS 165C**	
~~PC-14~~	NOT USED	SHERWIN WILLIAMS			
	NOT USED	POWDER COAT			

EXTERIOR METAL TRIM

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
TR-01	METAL	TAMLYN	EXTRUDED METAL CHANNEL USED AT TOWER ELEMENT	**PINK ACCENT BAND** SEE SF03 (PINK)	TAMLYN - XTREME TRIM IAN DANIELS 713-446-3075; idaniels@tamlyn.com OR HORACIO'S SHEET METAL MICHAEL TAVERES P: 508-985-9940; mike@horacios.com OR AGI RANDY KERR 800-877-3810 EXT. 3248; rkerr@agi.net
	METAL	HORACIO			
	METAL	AGI			
TR-02	METAL	TAMLYN	EXTRUDED METAL CHANNEL USED AT TOWER ELEMENT	**OFF WHITE ACCENT BAND** SEE SF04 (WHITE)	
	METAL	HORACIO			
	METAL	AGI			
~~TR-03~~	NOT USED				TAMLYN - XTREME TRIM IAN DANIELS 713-446-3075; idaniels@tamlyn.com
TR-04	METAL	TAMLYN	(XOCLP34) OUTSIDE CORNER TRIM. USED AT TOWER ELEMENT	TO MATCH FIBER CEMENT LAP SIDING PS-03	
TR-05	METAL	TAMLYN	(XS516) BOTTOM "STARTER" TRIM. USED AT TOWER ELEMENT	CLEAR ANODIZIED	
TR-06	METAL	TAMLYN	(JMH34) VERTICAL TERMINATION TRIM-TYP. USED AT TOWER ELEMENT	FACTORY FINISH TO MATCH FIBER CEMENT LAP SIDING PS-03	
TR-07	METAL	TAMLYN	(JMH716) TOP TRIM USED AT TOWER ELEMENT	FACTORY FINISH TO MATCH FIBER CEMENT LAP SIDING PS-03	
TR-08	METAL	JAMES HARDIE	JH SURROUND VERTICAL TRIM	FINISH: FACTORY CLEAR ANODIZED 16 GA TRIM AVAILABLE IN 8'-0" LENGTHS, USED WITH JAMES HARDIE REVEAL PANELS	JEFF HARVEY 774-287-6278 JEFFERY.HARVEY@JAMESHARDIE.COM
TR-09	METAL	JAMES HARDIE	JH SURROUND HORIZONTAL TRIM	FINISH: FACTORY CLEAR ANODIZED 16 GA TRIM AVAILABLE IN 8'-0" LENGTHS, USED WITH JAMES HARDIE REVEAL PANELS	
TR-10	METAL	JAMES HARDIE	JH SURROUND OUTSIDE CORNER TRIM	FINISH: FACTORY CLEAR ANODIZED 16 GA TRIM AVAILABLE IN 8'-0" LENGTHS, USED WITH JAMES HARDIE REVEAL PANELS	
TR-11	METAL	JAMES HARDIE	JH SURROUND J-CHANNEL TRIM	FINISH: FACTORY CLEAR ANODIZED 16 GA TRIM AVAILABLE IN 8'-0" LENGTHS, USED WITH JAMES HARDIE REVEAL PANELS. NOTE: CAN BE USED VERTICALLY & HORIZONTALLY @ PENETRATION OR TRANSITION W/ OTHER MATERIALS	
~~TR-12~~	NOT USED				

FRP FIBERGLASS PANEL

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
FRP-01	FIBERGLASS REINFORCED PANELS	CRANE COMPOSITES	GLASBOARD COLOR: 48- PEARL GRAY TEXTURE: EMBOSSED (PEBBLE FINISH)	BOH/KITCHEN AREAS NOT IN PUBLIC VIEW	CRANE - KEMLITE COMPOSITES VENDOR CONTACT: JEFF TOLLE P: 1-800-435-0080 OR 1-815-467-8600 OR 1-815-274-8125 (DIRECT) C: 330-260-7627 SALES@CRANECOMPOSITES.COM
FRP-01 ALT	FIBERGLASS REINFORCED PANELS	MARLITE	COLOR: P151 "LIGHT GRAY" TEXTURE: EMBOSSED (PEBBLE FINISH)	BOH/KITCHEN AREAS NOT IN PUBLIC VIEW	
~~FRP-02 ALT~~	NOT USED				
FRP-03 (C)	FIBERGLASS REINFORCED PANELS	CRANE COMPOSITES	COLOR: 113DCP 4' X 8' PART # 113 DCP8 OR 4' X 10' PART # 113 DCP10	**COOL PALETTE -** APPROVED FOR BACK LINE WALL IN NEW AND REMODEL RESTAURANTS.	CRANE - KEMLITE COMPOSITES VENDOR CONTACT: JEFF TOLLE P: 1-800-435-0080 OR 1-815-467-8600 OR 1-815-274-8125 (DIRECT) C: 330-260-7627 SALES@CRANECOMPOSITES.COM
FRP-03 (W)	FIBERGLASS REINFORCED PANELS	CRANE COMPOSITES	COLOR: 113DWP 4' X 8' PART # 113 DWP8 OR 4' X 10' PART # 113 DWP10	**WARM PALETTE -** APPROVED FOR BACK LINE WALL IN NEW AND REMODEL RESTAURANTS.	
~~FRP-03 ALT~~	NOT USED				

MILLWORK INTERIOR SOLID SURFACE

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
SS-01 (C)	SOLID SURFACE	LG HI-MACS	CUSTOM COLOR: CANTON FINISH: POLISHED	**COOL PALETTE** (HANDOFF,BAKERY AND TAPS)	PROVIDED BY MILLWORK VENDOR
SS-01 (W)	SOLID SURFACE	LG HI-MACS	CUSTOM COLOR: WALLOWA FINISH: POLISHED	**WARM PALETTE** (HANDOFF,BAKERY AND TAPS)	
~~SS-02~~	NOT USED				
~~SS-02 (W)~~	NOT USED				
~~SS-03~~	NOT USED				

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AR0016152

DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

GN-2.4
MASTER FINISH SCHEDULE

MASTER FINISH SCHEDULE

MILLWORK LAMINATES

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
PL-01 (C)	LAMINATE	FORMICA	5887-58 "MILLENNIUM OAK" MATTE FINISH		FORMICA FOR LOCAL DISTRIBUTOR CALL KAREN KENNEY 866-573-3512
~~PL-01 (W)~~	NOT USED				
PL-02	LAMINATE	FORMICA	837-58 GRAPHITE MATTE FINISH		
PL-03	LAMINATE	WILSONART	4830K-18 SATIN STAINLESS		WILSONART FOR LOCAL DISTRIBUTOR CALL 800-433-3222
		FORMICA	ALTERNATE: M2022-99 BRUSHED ALUMINUM DECO METAL FINISH		
PL-04 (C)	LAMINATE	WILSONART	1500 - 60 "GRAY" MATTE FINISH		
PL-04 (W)	LAMINATE	WILSONART	D427-60 "LINEN" MATTE FINISH	**WARM PALETTE OR REMODEL USE ONLY - WHEN KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR).**	
PL-05	LAMINATE	FORMICA	459-58 BRITE WHITE MATTE FINISH		
PL-06 (C)	LAMINATE	WILSONART	4783 - 60 "WHITE TIGRIS"	**MILLWORK TABLE TOPS**	
PL-06 (W)	LAMINATE	WILSONART	4841 -60 "DESERT ZEPHYR"	WARM PALETTE OR REMODEL USE ONLY - WHEN KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR). MILLWORK TABLE TOPS	
PL-07	LAMINATE	FORMICA	BLACK LAMINATE		
PL-08	NOT USED				
PL-09	LAMINATE	FORMICA	NJ103-3959-48 "COOL WHITE"	MILLWORK CABINETS & INTERIOR SHELF FINISHES	
PL-10 (C)	LAMINATE	WILSONART	4857-60 "SHADOW ZEPHYR"	WAINSCOT	
PL-10 (W)	LAMINATE	FORMICA	5884 "CHESTNUT WOODLINE" MATTE FINISH (SAME AS WP-PL2(W))	**KNEE WALL WARM PALETTE OR REMODEL USE ONLY - WHEN KEEPING EXISTING 2015 IMAGE FLOOR**	
~~PL-11~~	NOT USED				

THIN BRICK

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
~~BR-01~~	NOT USED				
BR-02	THIN BRICK	ENDICOTT BRICK		ENDICOTT BRICK (CREATIVE MATERIALS PRODUCT) (WWW.ENDICOTT.COM) SPEC. SN5 THIN BRICK SIZE: MODULAR - 2 ¼" X 7 5/8" X ½" THICK. INSTALLATION: USE TYPICAL TYPE S MORTAR TO INSTALL WITH A COLOR ADDITIVE TO MATCH THE BRICK FOR THE GROUT.	CONTACT INFORMATION PHONE: 800.207.2967 EXT. 3865 (DUNK) FAX: 518-452-9153 EMAIL: DUNKINTILE@CREATIVEMATERIALSCORP.COM
~~BR-03~~	NOT USED				

METAL

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
MT-01	METAL		STAINLESS STEEL - #4 FINISH	FABRICATED ITEMS	
~~MT-02~~	NOT USED				

ALTERNATE INTERIOR FLOOR FINISH

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
EXP-01	EPOXY FLOOR	STONHARD EPOXY	STONSHIELD HRI MEDIUM TEXTURE COLOR: GLACIER	APPROVED FOR BEHIND POS FRONT LINE AND KITCHEN AREAS ONLY.	STONHARD EPOXY SCOTT GARSTKA 413-237-9267; sgarstka@stonhard.com

ALTERNATE INTERIOR FLOOR FINISH

CODE	MATERIAL	MANUFACTURER	PRODUCT #	DESCRIPTION / REMARKS	VENDOR CONTACTS
AP-01	REVERB TILE	NEW ENGLAND SOUND PROOFING	TRADITIONAL SERIES	ACOUSTICAL CEILING TILE TO BE USED @ OPEN CEILING APPLICATION.	NEW ENGLAND SOUND PROOFING 40 NORFOLK AVENUE, EASTON, MA. 02375 PHONE: 781-710-1261

GENERAL NOTES:
1. NEW & REMODEL STORES HAVE THE OPTION OF A COOL OR WARM PALETTE FOR INTERIOR FINISHES
2. CODE SUFFIX (C) = COOL PALETTE FINISHES
3. CODE SUFFIX (W) = WARM PALETTE OR REMODEL FINISHES WHEN KEEPING 2015 IMAGE FLOOR TILE
4. CODE SUFFIX (E) = EXISTING
5. FINISHES WITHOUT SUFFIX ARE UNIVERSAL TO THE COOL & WARM PALETTE
6. REMODEL STORES KEEPING EXISTING 2015 IMAGE FLOOR TILE (TAN COLOR) SHALL ONLY USE THE WARM PALETTE

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A R 0 0 1 6 1 5 2

DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

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GN-2.5
MASTER FINISH SCHEDULE

NATIONAL ACCOUNTS SOURCE INFO

NOTE:

1. FOR COMPLETE NATIONAL ACCOUNTS SOURCE INFORMATION, REFER TO THE DUNKIN' BRANDS NATIONAL ACCOUNT WEB SITE (http://extranet.dunkinbrands.com). TO OBTAIN A USER NAME AND PASSWORD PLEASE CONSULT YOUR LOCAL CONSTRUCTION MANAGER.
2. CONTRACTOR TO IDENTIFY ONESELF AS WORKING WITH DUNKIN' BRANDS WHEN ORDERING FROM NATIONAL ACCOUNTS.

ACOUSTICAL CEILING TILES & GRIDS (ALL REGIONS)
ARMSTRONG WORLD INDUSTRIES
VENDOR CONTACT: MAUREEN CONE
P: 703-389-2701
E: MMCONE@ARMSTRONGCEILINGS.COM
WWW.ARMSTRONG.COM/CEILINGS

ACOUSTICAL PANELS
NEW ENGLAND SOUND PROOFING
P: 781-710-1261
WWW.NEWENGLANDSOUNDPROOFING.COM

ALLEN INDUSTRIES
VENDOR CONTACT: KEITH WHITLEY
P: 919-410-1234
E: KEITH.WHITLEY@ALLENINDUSTRIES.COM
WWW.ALLENINDUSTRIES.COM

ATM SERVICES
CARDTRONICS
VENDOR CONTACT: TOM SPOONER
P: 888-890-0600 X 14240
E: TSPOONER@CARDTRONICS.COM
WWW.CARDTRONICS.COM

JARRETT SERVICES
VENDOR CONTECT: ERIC JOHNSTONE
P: 1-800-935-0107 X 204
E: SALES@JARRETTFORCASH.COM
WWW.JARRETTFORCASH.COM

AWNING FABRICS AND VINYL:
ARLON:
VENDOR CONTACT: KEN HUGGINS
P: 714-985-6310
E: KHUGGINS@ARLON.COM
WWW.ARLON.COM

BOLLARD COVERS
IDEAL SHIELD
VENDOR CONTACT:
1-800-731-1722

DENNIS KNITTEL
PHONE: (313)551-2275
DKNITTEL@IDEALSHIELD.COM

BINDU ABRAHAM
PHONE: (313)551-2283
BABRAHAM@IDEALSHIELD.COM
WWW.IDEALSHIELD.COM

COKE COOLERS
COKE
VENDOR CONTACT: CARISSA BRUCE
P: (800) 531-2238 EXT. 3716
E: CABRUCE@COCA-COLA.COM

COMING SOON BANNERS
LSM NOW
P: 1-855-576-6669
E: LSMNOW@WELDMEDIA.COM
WWW.LSMNOW.NET/LOGIN.ASPX

DRIVE THRU HEADSETS
3M
VENDOR CONTACT: BILL MUENKEL
P: 952-484-4875
E: WEMUENKEL@MMM.COM
WWW.3M.COM/FOODSERVICE

HME
VENDOR CONTACT: PATRICK KELLY
C: 858-535-6042
E: PKELLY@HME.COM
WWW.HME.COM
DRIVE THRU TIMERS

ACRELEC
SCOTT MARENTAY
P: 412-680-3909

HME
VENDOR CONTACT: PATRICK KELLY
C: 858-535-6042
E: PKELLY@HME.COM
WWW.HME.COM

DRIVE THRU MENU BOARDS
EVERBRITE
VENDOR CONTACT: ANA DOMINGUEZ
P: 414-529-7107
E: ADOMINGUEZ@EVERBRITE.COM
WWW.EVERBRITE.COM

VGS
VENDOR CONTACT: ELIOT COHEN
C: 201-528-2122
E: ECOHEN@VGS-INC.COM
WWW.VGS-INC.COM

HILTON DISPLAYS
VENDOR CONTACT: PRESTON SMITH
P: 865-320-6663
E: PRESTONSMITH@HILTONDISPLAYS.COM
WWW.HILTONDISPLAYS.COM

PERSONA SIGNS
VENDOR CONTACT: SUSAN KOELZER
P: 605-882-2244 X 390
E: SKOELZER@PERSONASIGNS.COM
WWW.PERSONASIGNS.COM

DRIVE THRU WINDOWS
SALES: READY@READY-ACCESS.COM

READY ACCESS
VENDOR CONTACT: KELLY MCGOLDRICK
P: 630-876-7766 EXT. 113
E: KELLY@READY-ACCESS.COM
WWW.READY-ACCESS.COM

QUIKSERV
INSIDE SALES DEPT./ORDER ENTRY
SALES@QUIKSERV.COM
BRANDI LAIRD
JESSICA WILLIAMS
OR
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TECHNICAL & PARTS SUPPORT
BRIAN COBLE

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WADE ARNOLD
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HOUSTON, TX 77041
PHONE: 713-849-5882
FAX: 713-849-5708

DRIVE THRU STENCIL
DGS RETAIL
VENDOR CONTACT: KAREN MCCUE
E: KARENMCCUE@DGSRETAIL.COM
P: 508-337-2990
F: 508-337-5040
WWW.DGSRETAIL.COM

PAVEMENT STENCIL COMPANY
P: 800-250-5547
E: STENCILS@PAVEMENTSTENCIL.COM
WWW.PAVEMENTSTENCIL.COM

ELECTRIC PANELS & BREAKERS
VILLA LIGHTING
VENDOR CONTACT: DEANNA MCCLANAHAN
P: 1-800-325-0963
E: DEANNA.MCCLANAHAN@VILLALIGHTING.COM
WWW.VILLALIGHTING.COM

EPOXY FLOORING
STONHARD
VENDOR CONTACT: SCOTT GARSTKA
C: 413-237-9267
P: 800-854-0310 OFFICE X-5158
F: 856-321-7510
E: SGARSTKA@STONHARD.COM
WWW.STONHARD.COM

EXTERIOR FIBER-CEMENT CLADDING SYSTEMS
NICHIHA
PROJECT MANAGER: MATT STEPHENSON
NATIONAL BRANDS MANAGER
P: 770-789-8228
EMAIL: DUNKINDONUTS@NICHIHA.COM
EMAIL: MSTEPHENSON@NICHIHA.COM
WWW.NICHIHA.COM

EXTERIOR FIBER-CEMENT SIDING AND PANELS
JAMES HARDIE
JEFF HARVEY
P: 774-287-6278
EMAIL: JEFFERY.HARVEY@JAMESHARDIE.COM
WWW.JAMESHARDIE.COM

WOODTONE PRODUCTS
LAURENCE TAYLOR
WOODTONE
SALES REPRESENTATIVE
P: 604-792-3680
C: 604-798-2664
EMAIL: LAURENCET@WOODTONE.COM

TIM FOLSTER
WOODTONE
MANAGER, STRATEGIC ACCOUNTS
8007 AITKEN ROAD
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P: 604-792-3680
C: 604-845-9663
EMAIL: TIMF@WOODTONE.COM
WWW.WOODTONE.COM

EXTERIOR INSULATED FIBERGLASS SYSTEMS (EIFS)
DRYVIT SYSTEMS
VENDOR CONTACT: ROBERT DAZEL
P: 734-276-0404
E: BOB.DAZEL@DRYVIT.COM
WWW.DRYVIT.COM

EXTRUDED METAL CHANNEL @ EXTERIOR
AGI
VENDOR CONTACT: RANDY KERR
P: 800-877-3810 EXT.3248
E: RKERR@AGI.NET
WWW.AGI.NET

HORACIO'S SHEET METAL
VENDOR CONTACT: MICHAEL TAVARES
P: 508-985-9940
F: 508-985-9965
E: MIKE@HORACIOS.COM
WWW.HORACIOS.COM

TAMLYN - XTREME TRIM
VENDOR CONTACT: IAN DANIELS
P: 713-446-3075
E: IDANIELS@TAMLYN.COM
WWW.TAMLYN.COM

FIBERGLASS REINFORCED PANELS (F.R.P.)
CRANE - KEMLITE COMPOSITES
VENDOR CONTACT: JEFF TOLLE
P: 1-800-435-0080 OR 1-815-467-8600 OR 1-815-274-9125 (DIRECT)
C: 330-260-7627
E: SALES@CRANECOMPOSITES.COM
WWW.CRANECOMPOSITES.COM

MARLITE
VENDOR CONTACT: JAMIE MCEDWARD
P: 800-377-1221 OR 603-924-9128
F: 330-343-4668
C: 330-260-7627
E: JMCEDWARD@MARLITE.COM
WWW.MARLITE.COM

HVAC ROOFTOP UNITS
TRANE
VENDOR CONTACT: JONATHAN RALYS
P: 781-305-1335
F: 781-938-8912
E: JONATHAN.RALYS@TRANE.COM
WWW.TRANE.COM

CARRIER CORPORATION
WWW.CARRIER.COM
ORDER MANAGER: CAROL VAVONESE
OFFICE PHONE: 315-432-3254
EMAIL: CAROL.J.VAVONESE@CARRIER.UTC.COM
EMAIL: STRATEGICACCOUNTS2@CARRIER.UTC.COM

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RHEEM MANUFACTURING COMP.
WWW.RHEEM.COM
VENDOR CONTACT: LUKE BABEY
P: 904-271-1126
E: LUKE.BABEY@RHEEM.COM

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INTERIOR MENU BOARDS
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VENDOR CONTACT: ELIOT COHEN
C: 201-528-2122
E: ECOHEN@VGS-INC.COM
WWW.VGS-INC.COM

(DIGITAL)
TEXAS DIGITAL
P: 877.504.4887 OPTION 2
E: DUNKIN.TDS@NCR.COM

KITCHEN HOODS/EXHAUST SYSTEMS
CAPTIVE-AIRE SYSTEMS
DAVID CRITTENDEN
P: 813-435-3388
E: REG62@CAPTIVEAIRE.COM
WWW.CAPTIVEAIR.COM

KITCHEN SWING DOOR
ELIASON CORPORATION
VENDOR CONTACT: JOE DUSENBERY
P: (800) 828-3655
F: (800) 828-3755
E: DOORS@ELIASONCORP.COM

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REP: JEAN MARIE REMICK
O: (781) 235-4165
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JEANMARIE.BISSON@FORMICA.COM
WWW.FORMICA.COM
WILSONART
FOR ORDERS CALL
800-433-3222 FOR A LOCAL DISTRIBUTOR.
REPRESENTATIVE: AMY MORGENWECK
P: 917.951.6524
E: MORGENA@WILSONART.COM

LIGHTING FIXTURES: INTERIOR & EXTERIOR
VILLA LIGHTING
VENDOR CONTACT: DEANNA MCCLANAHAN
P: 1-800-325-0963
E: DEANNA.MCCLANAHAN@VILLALIGHTING.COM
WWW.VILLALIGHTING.COM

SPECIALTY LIGHTING GROUP
VENDOR CONTACT: ANUSH KAZARIAN & LORRAINE GARIGLIANO
P: 508-922-0786
P: 860-767-0110 X 252
E: ANUSH.KAZARIAN@SSLIGHTING.COM
OR DUNKIN@SSLIGHTING.COM
WWW.SSLIGHTING.COM

MILLWORK/EQUIPMENT CONSOLIDATOR
QUALSERV
VENDOR CONTACT: HEATH HAYDON
P: 479-420-0298
E: HHAYDON@QUALSERVCORP.COM
WWW.QUALSERVCORP.COM

HOCKENBERGS
VENDOR CONTACT: TOM NEMMERS
P: 913-526-9816
E: TOMN@HOCKENBERGS.COM
WWW.HOCKENBERGS.COM
CONCEPT SERVICES
VENDOR CONTACT: CHRIS PARNELL
P: 512-343-3100
E: CPARNELL@CONCEPTSERV.COM

MILLWORK FABRICATOR
HOMELAND BUILDERS
VENDOR CONTACT: BRIAN RIBEIRO
P: 508-677-0401 X 221
E: BRIANR@HOMELANDBUILDERS.COM
WWW.HOMELANDBUILDERS.COM

HORACIO'S SHEET METAL
VENDOR CONTACT: MICHAEL TAVARES
P: 508-985-9940
F: 508-985-9965
E: MIKE@HORACIOS.COM
WWW.HORACIOS.COM

NEXTGEN "D" DOOR HANDLES:
TRIMCO
VENDOR CONTACT:
P: 323.262.4191 X 2
E: CSR@TRIMCOHARDWARE.COM

OLD STYLE "D" DOOR HANDLES:
MICHAEL HEALY DESIGNS
VENDOR CONTACT: NATASHA DURAND
P: 1-800-995-0988
E: CUSTOMERSERVICE@MICHAELHEALY.COM

OUTSIDE FURNITURE: (LIGHT WEIGHT)
KEY OFFICE INTERIORS
ACCOUNT MANAGER: DOUGLAS BUMSTEAD
P: 857-991-1376
F: 617-439-0322
E: DUNKINORDERS@KEYOFFICEINTERIORS.COM

UMBRELLAS:
EAST COAST UBRELLAS
VENDOR CONTACT: NICOLE MASON
P: 910-462-2500 X 1223
E: UMBRELLAS@EASTCOASTUMBRELLA.COM

TUUCI
VENDOR CONTACT: TAMMY LENHAM
P: 305-637-6881
E: TLENHAM@TUUCI.COM

PATIO
FLORIDA SEATING
VENDOR CONTACT: ERROL ROSARIO
P: 727-540-9802
E: ERROL@FLORIDASEATING.COM

HJC (RAILING)
VENDOR CONTACT: DAVID LIGHTFOOT
P: 479-366-0642
E: DAVID. LIGHTFOOT@HJCINC.COM

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O: 401-245-5176
M: 617-438-1408
EMAIL: MARK.T.WEINER@SHERWIN.COM

P&G CLEANING AND SANITATION PROGRAM
PROCTOR & GAMBLE
VENDOR CONTACT: CARLA EVANS
P: 513-983-9599
E: EQCINCINNATI.IM@PG.COM
WWW.PG.COM

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UNI-STRUCTURES, INC.
VENDOR CONTACT: DANA MCDOUGAL
C: 678.974.1773
E: D.MCDOUGAL@UNISTRUCTURES.COM
WWW.UNISTRUCTURES.COM

POS (DD AND DD/BR)
RADIANT
VENDOR CONTACT: NANY COOPER
P: 770-299-6881
E: NANCY.COOPER@NCR.COM
RADIANTORDERS.HSR@NCR.COM

PRICE CONFIRMATION DISPLAY/SCANNERS
RADIANT
VENDOR CONTACT: NANY COOPER
P: 770-299-6881
E: NANCY.COOPER@NCR.COM
RADIANTORDERS.HSR@NCR.COM

RESTROOM FIXTURES AND ACCESSORIES
NEWTON DISTRIBUTORS
VENDOR CONTACT: PEDRO GRULLON
P: 877-837-7745
E: PEDRO@NEWTONDISTRIBUTING.COM
WWW.NEWTONDISTRIBUTING.COM

RESTROOM REMODELS
15 HAMMATT ST.
PO BOX 34
IPSWICH, MA 01938
PHONE: 617-500-2554
FAX: 617-845-0350
WWW.RESTROOMREMODELS.COM
SALES@RESTROOMREMODELS.COM

ROOFING:
DURO-LAST ROOFING
VENDOR CONTACT: JIM SCHRIBER
P: 800-248-0280 X 2257
E: JSCHRIBER@DURO-LAST.COM OR: CORPORATEACCOUNTS@DURO-LAST.COM

SALES AREA, SERVICE/PREP. AREA FLOOR & WALL TILES
DAL TILE
VENDOR CONTACT: PAULA TOSTI
P: 978-835-7793
E: PAULA.TOSTI.@DALTILE.COM
WWW.DALETILEPRODUCTS.COM

CREATIVE MATERIALS
VENDOR CONTACT:
P: 800-207-2967 EXT. 3865 (DUNK)
F: 518-452-9153
E: DUNKINTILE@CREATIVEMATERIALSCORP.COM

SECURITY PCI COMPLIANCE/ WIFI
COMCAST
DBI_COMCAST_ORDERING@COMCAST.NET
OR
ROSE VAZQUEZ
P: 508-314-7545
ROSE_VAZQUEZ@COMCAST.COM

SIGN MANUFACTURER
AGI
VENDOR CONTACT: RANDY KERR
P: 800-877-3810 EXT.3248
E: RKERR@AGI.NET
WWW.AGI.NET

EVERBRITE
VENDOR CONTACT: ANA DOMINGUEZ
P: 414-529-7107
E: ADOMINGUEZ@EVERBRITE.COM
WWW.EVERBRITE.COM

PERSONA SIGNS
VENDOR CONTACT: SUSAN KOELZER
P: 605-882-2244 X 390
E: SKOELZER@PERSONASIGNS.COM
WWW.PERSONASIGNS.COM

SIGN RESOURCE
MAYWOOD, CA
VENDOR CONTACT: KEN SIEGERT
P: 810-241-0272
E: KSIEGERT@SIGNRESOURCE.COM

STORE GRAPHICS
DGS RETAIL
VENDOR CONTACT: KAREN MCCUE
E: KARENMCCUE@DGSRETAIL.COM
P: 508-337-2990
F: 508-337-5040
WWW.DGSRETAIL.COM

STORE SURVEILLANCE
SECURITY SOURCE/MARCH SYSTEMS
VENDOR CONTACT: SHAWNA REEVES
P: 800-323-7612 X 109
E: SREEVES@SECURITYSOURCE.COM/ SECURITYSOURCEORDERS @SECURITYSOURCE.COM
WWW.SECURITYCOURCE.COM

SOLAR SHADER
PHIFER
P: 205-345-2120
E: INFO@PHIFER.COM
WWW.PHIFER.COM

ROLL-A-SHADE
VENDOR CONTACT: RIC BERG
P: 952-245-5077 X 113
E: RIC@ROLLASHADE.COM
WWW.RIC@ROLLASHADE.COM

TANKLESS HOT WATER HEATERS
RINNAI
RINNAI AMERICA CORPORATION
103 INTERNATIONAL DRIVE
PEACHTREE CITY, GA 30269
P: 866-383-0707

TECHNICAL SUPPORT:
DESK: 1-888-746-6247

NATIONAL SALES MANAGER - CORPORATE ACCOUNTS
WALLY RICHARDSON
DESK: 800-621-9419
CELL: 678-848-1240
EMAIL: WRICHARDSON@RINNAI.US

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THUNDER GROUP
ORDER CONTACT INFORMATION:
THUNDER GROUP, INC.
NDCP
EMAIL: DUNKINSALES@THUNDERGROUP.COM
P: 626-935-1605
780 SOUTH NOGALES STREET
CITY OF INDUSTRY, CA 91748

WALK-IN BOX
NORLAKE
VENDOR CONTACT: DAVID VIOLA
P: 715-386-2323
E: DAVID@VIOLAGROUP.COM
WWW.NORLAKE.COM

KOLPAK
VENDOR CONTACT: PHIL LETVINCHUK
P: 508-320-3939
E: PHILL@HATCHJENNINGS.COM

WWW.KOLPAK.COM
THERMAL RITE
VENDOR CONTACT: BECKY MURPHY
P: 763-543-0136
E: BECKY.MURPHY@THERMALRITE.COM
WWW.THERMALRITE.COM

WALL COVERINGS:
APA GRAPHICS
VENDOR CONTACT: MO KIM
P: (404) 355-1355 X 206
F: (404) 355-1359
E: DUNKINORDERS@APACOLORGRAPHICS.COM
WWW.APACOLORGRAPHICS.COM

WATER QUALITY REQUIREMENTS:
WATER BOOSTER SYSTEM
MCCANN'S ENGINEERING
VENDOR CONTACT: ELEANOR HINSON
P: 818-637-7219
E: ELEANOR.HINSON@MANITOWOC.COM
WWW.MCCANNSENG.COM

WATER QUALITY:

WATER FILTRATION SYSTEM
3M FILTRATION

ORDERS & WATER TEST KITS
AWS DISTRIBUTING, INC.
JENNIFER BARAN
PHNE: 800-333-2866 (CUNO)
FAX: 630-836-1793
3MFILTERORDERS@SBCGLOBAL.NET

3M SALES NATIONAL ACCOUNT REP:
DAVID RADLIFF
SENIOR ACCOUNT EXECUTIVE
PHONE: 518-281-7754
DPRADLIFF@MMM.COM

3M FIELD OPERATIONS
FRED ABBOTT
PHONE: 508 272 6983
FHABBOTT@MMM.COM
WWW.SOLUTIONS.3M.COM/WPS/PORTAL/3M/EN_US/3M-PURIFICATION-INC/3MPI-US/

WATER FILTRATION SYSTEM
PENTAIR (EVERPURE)

ORDERS & WATER TEST KITS
1800-842-6193
DUNKINH2OKIT@PENTAIR.COM

JOHN HINER
STRATEGIC ACCOUNT MANAGER
PENTAIR FILTRATION SOLUTIONS
PENTAIR WATER QUALITY SYSTEMS
P: 201-417-5564
E: JOHN.HINER@PENTAIR.COM

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DUNKIN' - COOL PALETTE

540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

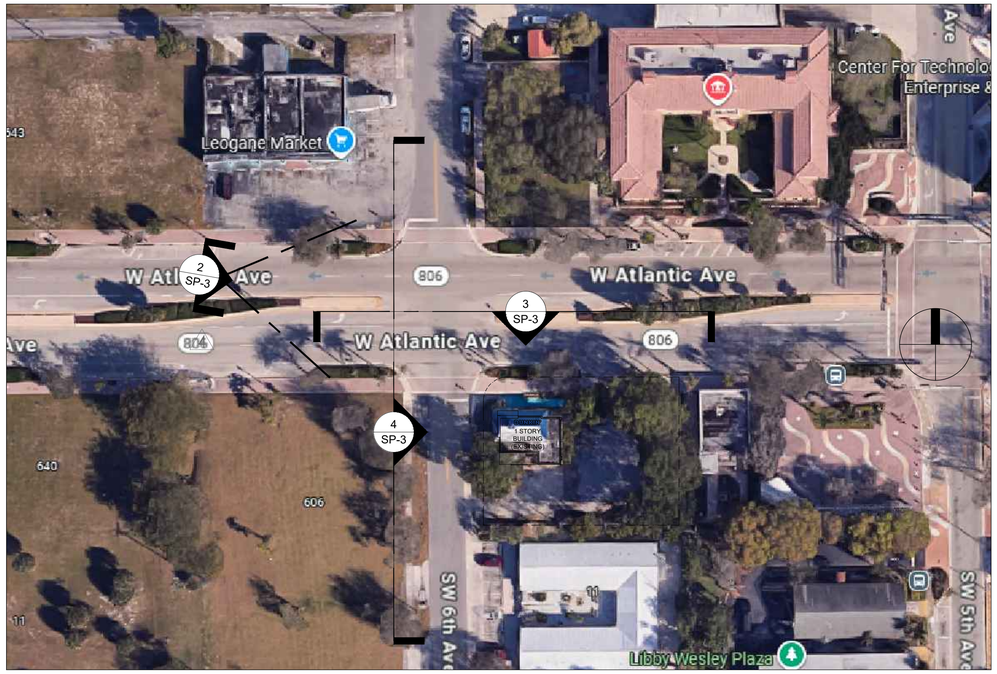
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date:
03 - 06 - 2024

project # :
230636

GN-3.0

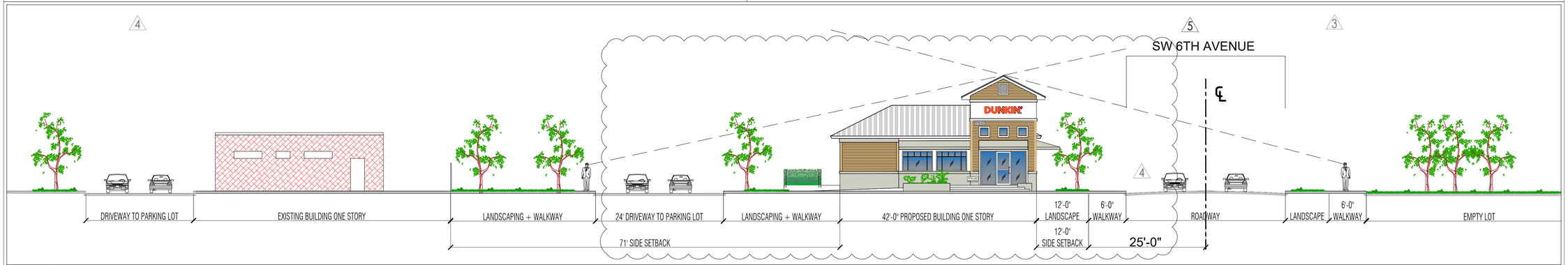
NATIONAL ACCOUNTS



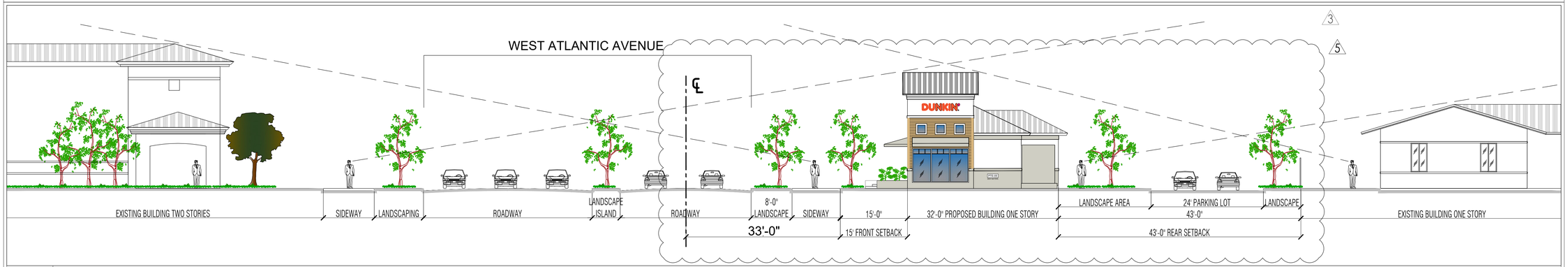
1 KEY PLAN
NTS NOTE:



2 VIEWPOINT WEST TO EAST FROM ATLANTIC AVENUE
NTS NOTE:



3 ELEVATION FROM EXISTING ROADWAY WEST ATLANTIC AVENUE
NTS NOTE:



4 ELEVATION FROM EXISTING ROADWAY NW 6TH AVENUE
NTS NOTE:

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4 10.12.2025 - fm
ZONING COMMENTS

DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

revisions:
2 02.18.2025 - fm BUILDING COMMENTS
3 08.20.2025 - fm ZONING COMMENTS
4 10.12.2025 - fm ZONING COMMENTS
5 02.06.2026 - fm ZONING COMMENTS

Drawn by:
JA

date:
09.09.2024

project # :
230636

2 SE-1.0

SITE ELEVATIONS & KEY PLAN

DEMOLITION NOTES

1. ALL EXISTING EXTERIOR DOORS AND WINDOWS TO BE REPLACED WITH NEW IMPACT.
2. INTERIOR PARTITIONS TO BE REMOVED.
3. EXISTING PLUMBING FIXTURES TO BE REMOVED.
4. EXISTING ROOF TO BE REMOVED AND REPLACED.
5. EXISTING ELECTRICAL PANELS TO REMAIN, VERIFY IN FIELD.
6. PREPARE WALL FOR NEW FINISHES.
7. GC TO OBTAIN ALL CONSTRUCTION MATERIALS IN ADVANCE AND STORE WITHIN ONSITE STORAGE UNIT. MATERIALS WITHIN STORAGE UNIT ARE TO BE PACKED AND STAGED ACCORDING TO SEQUENCE OF PROJECT TO FACILITATE LOADING JOB.
8. EQUIPMENT TO BE REMOVED AND REPLACED. SUPPLIER TO PLACE ALL NEW EQUIPMENT.
9. GENERAL CONTRACTOR TO MAKE ALL MECHANICAL, PLUMBING AND ELECTRICAL CONNECTIONS FOR ALL THE EQUIPMENT AS INDICATED ON EQUIPMENT PLAN.
10. GENERAL CONTRACTOR TO DISCONNECT ALL EXISTING EQUIPMENT AS REQUIRED PER SCOPE OF OUTLINED WORK. SHUTDOWNS MAY BE STAGED, UNLESS MAJOR ELECTRICAL OR PLUMBING WORK IS REQUIRED THAT COULD CAUSE DAMAGE TO EQUIPMENT THAT IS CONNECTED.
11. GC TO COORDINATE PERMIT, APPROVALS, AND LOCATION OF DUMPSTER AND STORAGE UNIT PRIOR TO STORE CLOSING.
12. EXISTING MECHANICAL EQUIPMENT TO BE REPLACED.

GENERAL NOTES:

1. GENERAL CONTRACTOR TO DEMO EXISTING SPACE AS REQUIRED TO ACCOMMODATE ALL NEW CONSTRUCTION.

2. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSPECT THE ENTIRE PROJECT SPACE PRIOR TO BID TO BECOME AWARE OF ALL THE TYPES OF MATERIALS AND QUANTITIES OF SUCH THAT WILL HAVE TO BE REMOVE.

3. THE GENERAL CONTRACTOR IS TO PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING ELEMENTS (PUBLIC HALLWAY) WHICH ARE ADJACENT TO THE CONSTRUCTION AREA.

4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE HANDLING AND DUMPING COSTS FOR THE REMOVAL OF ALL DEMOLISHED MATERIAL, TRASH AND REFUSE ACCUMULATED ON THE JOB SITE BY ALL SUBCONTRACTORS. THE G.C. IS RESPONSIBLE TO INSURE THAT THE SPACE AND ALL SURFACES ARE CLEAN UPON COMPLETITION OF THE WORK. ALL DEBRIS REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER.

5. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL EXISTING LIGHTING, HAVC EQUIPMENT, SPEAKERS, FIRE PROTECTION SYSTEMS, ELECTRICAL SYSTEM, SECURITY SYSTEM AND ALL OTHER EQUIPMENT. G.C. TO RELOCATE IF IN CONFLICT WITH NEW CONSTRUCTION.

6. GENERAL CONTRACTOR IS TO CONTACT THE CONST. MGR. FOR THE RESOLUTION OF ANY CONFLICTS OF INFORMATION ON DRAWINGS DURING DEMOLITION OR CONSTRUCTION DUE TO THE UNFORESEEN ELEMENTS.

7. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING REQUIRED INSIDE & OUTSIDE OF THE CONSTRUCTION AREA, WHERE AFFECTED BY DEMOLITION.

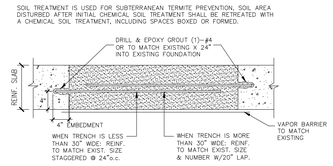
8. COORDINATION OF THE LOCATION OF THE DUMPSTER USED FOR REMOVAL OR DEMOLISHED MATERIAL WITH STORE MANAGEMENT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

9. GENERAL CONTRACTOR TO COORDINATE WITH CONST. MGR. FOR THE STORAGE AND REUSE OF EXISTING MATERIALS AND FINISHES. 10. COMBUSTIBLE WASTE MATERIALS, DUST, AND DEBRIS SHALL BE REMOVED FROM THE SITE AT THE END OF EACH SHIFT OR MORE FREQUENTLY AS NECESSARY FOR SAFE OPERATION.

10. GC TO COORDINATE REMOVAL OF EXISTING EQUIPMENT, MUSIC, DMB'S, CAMERA SYSTEM, POS & SEATING PACKAGE WITH OWNER PRIOR TO DEMO WORK.

NOT USED

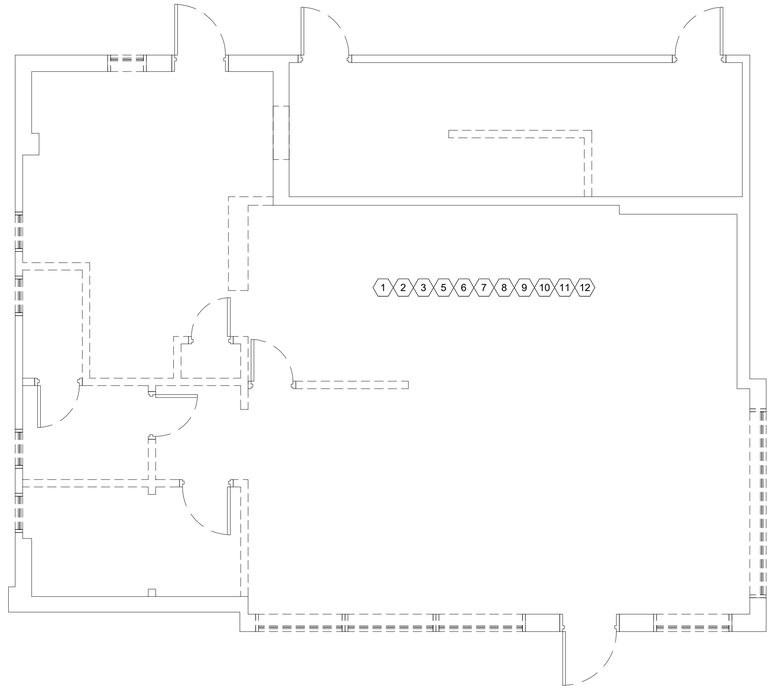
NOT USED



2 SLAB REPAIR DETAIL

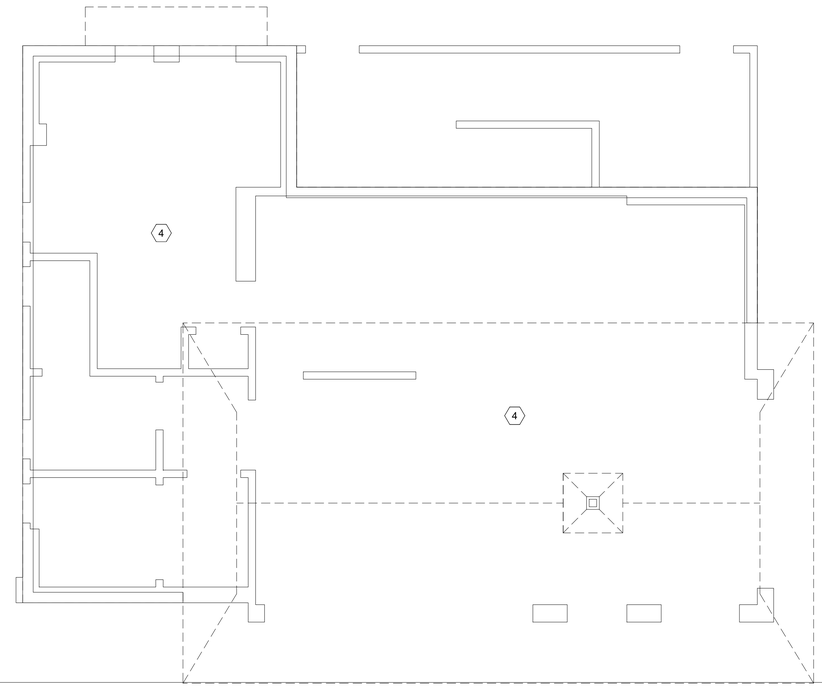
NTS NOTE:

NOT USED



1 DEMOLITION FLOOR PLAN

1/4" = 1'-0" NOTE:



2 DEMOLITION ROOF PLAN

1/4" = 1'-0" NOTE: 08.20.2025

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DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

revisions:

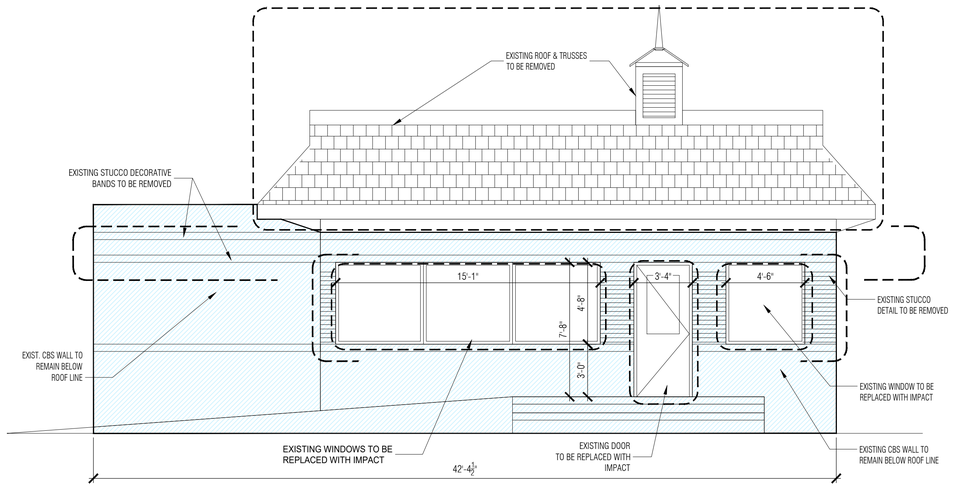
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date:
09.09.2024

project # :
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D-1.0

DEMOLITION PLAN



EXISTING L.F. OPENING %:

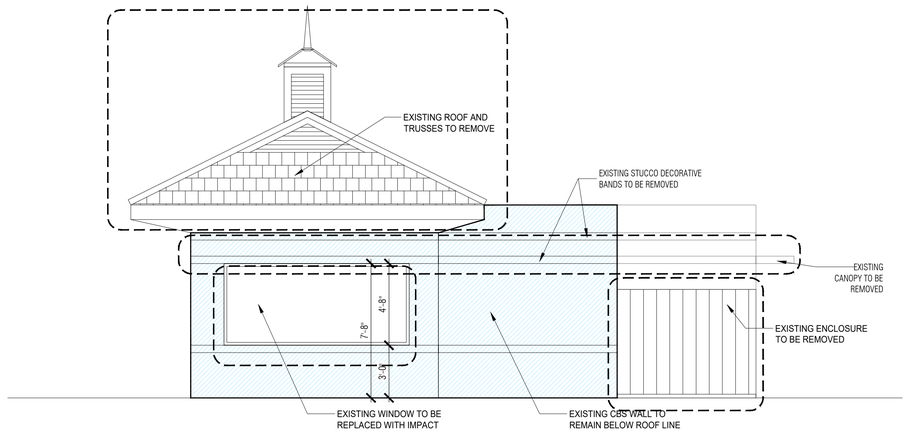
FACADE L.F.	%	EXIST. L.F. OPENING	OPEN. %
42.40 L.F.	100%	22.92 L.F.	54 %

NORTH

EXISTING SQ. FT. OPENING %:

FACADE AREA	EXIST. OPENINGS	EXIST. %
487.98 SF	108.76 SF	22.29 %

1 EXISTING NORTH ELEVATION
1/4" = 1'-0" NOTE:

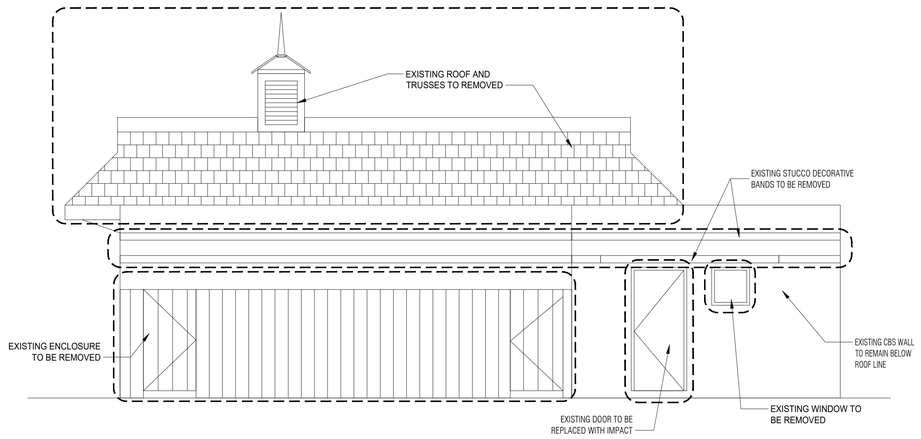


WEST

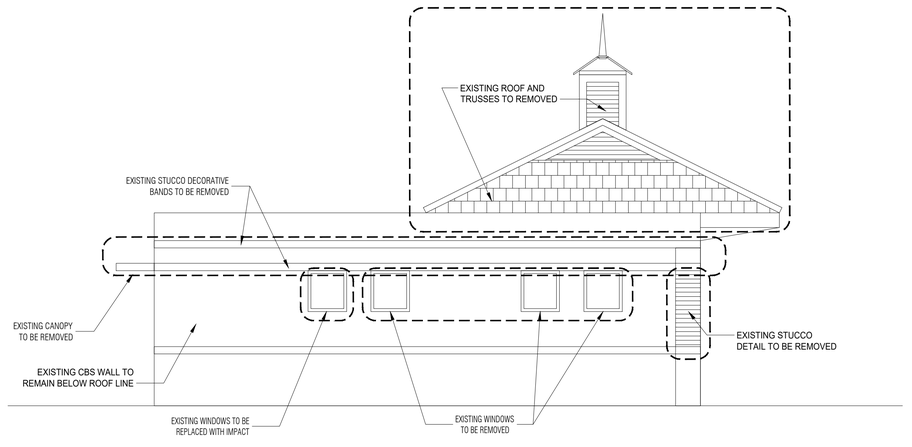
EXISTING:

FACADE AREA	EXIST. OPENINGS	EXIST. %
241.96 SF	49.70 SF	20.54 %

2 EXISTING WEST ELEVATION
1/4" = 1'-0" NOTE:



3 EXISTING SOUTH ELEVATION
1/4" = 1'-0" NOTE:



4 EXISTING EAST ELEVATION
1/4" = 1'-0" NOTE: 03.16.2026 - fm

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DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

revisions:
1 09.30.2024 - fm BUILDING COMMENTS

Drawn by:
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date:
09.09.2024

project # :
230636

D-2.0

EXTERIOR ELEVAT. DEMOLITION PLAN

BUILDING ANALYSIS

CODE SUMMARY

OCCUPANCY CLASSIFICATION:	GROUP B - BUSINESS
CONSTRUCTION TYPE:	EXISTING
SPRINKLERED:	NO

SQUARE FOOTAGE

STORE AREA:	1,119 SQ. FT.

OCCUPANT LOAD CALCULATIONS

PREPARATION / SERVICE AREA	1,003 Sq. Ft. / 200	= 6 PERSONS
DINING AREA / SEATING	80 Sq. Ft. / 15	= 6 PERSONS
STANDING SPACE	36 Sq. Ft. / 5	= 8 PERSONS
		TOTAL = 20 PERSONS

MEANS OF EGRESS	REQUIRED	PROVIDED
No. OF EXITS (2020 FBC 1021.1)	2	2
MAXIMUM DISTANCE TO EXITS	MAX. 75'	PROVIDED 57'-0"

INTERIOR FINISHES
INTERIOR FINISHES MINIMUM CLASS B

CLASSIFICATION OF HAZARD OF CONTENTS:
ORDINARY HAZARD CONTENTS

ALTERATION - LEVEL 3

NOTES:

- INSTALLATION OF PORTABLE FIRE EXTINGUISHER DURING CONSTRUCTION TO MEET FLORIDA FIRE PREVENTION CODE NFPA 1 REQUIREMENTS.
- NO FLAMMABLE OR COMBUSTIBLE LIQUIDS WILL BE STORED, HANDLED OR USED ON THE CONSTRUCTION SITE
- NO APPLIANCES TO PRODUCE GREASE LATENT VAPOR

LEGEND:

- FE — FIRE EXTINGUISHER MODEL AA05S-1 HANGED TO A BRACKET ATTACHED TO WALL (TOP OF EXTINGUISHER WILL BE TO 3.5' AFF MINIMUM TO 5' AFF MAXIMUM.)
- MEANS OF EGRESS ROUTE
- EBU — EMERGENCY LIGHT WITH BATTERY BACKUP
- EX1 — EXIT/EMERGENCY LIGHT WITH BATTERY BACKUP
- EXIT LIGHT WITH BATTERY BACKUP
- EXISTING 1 HOUR FIRE RATED WALL

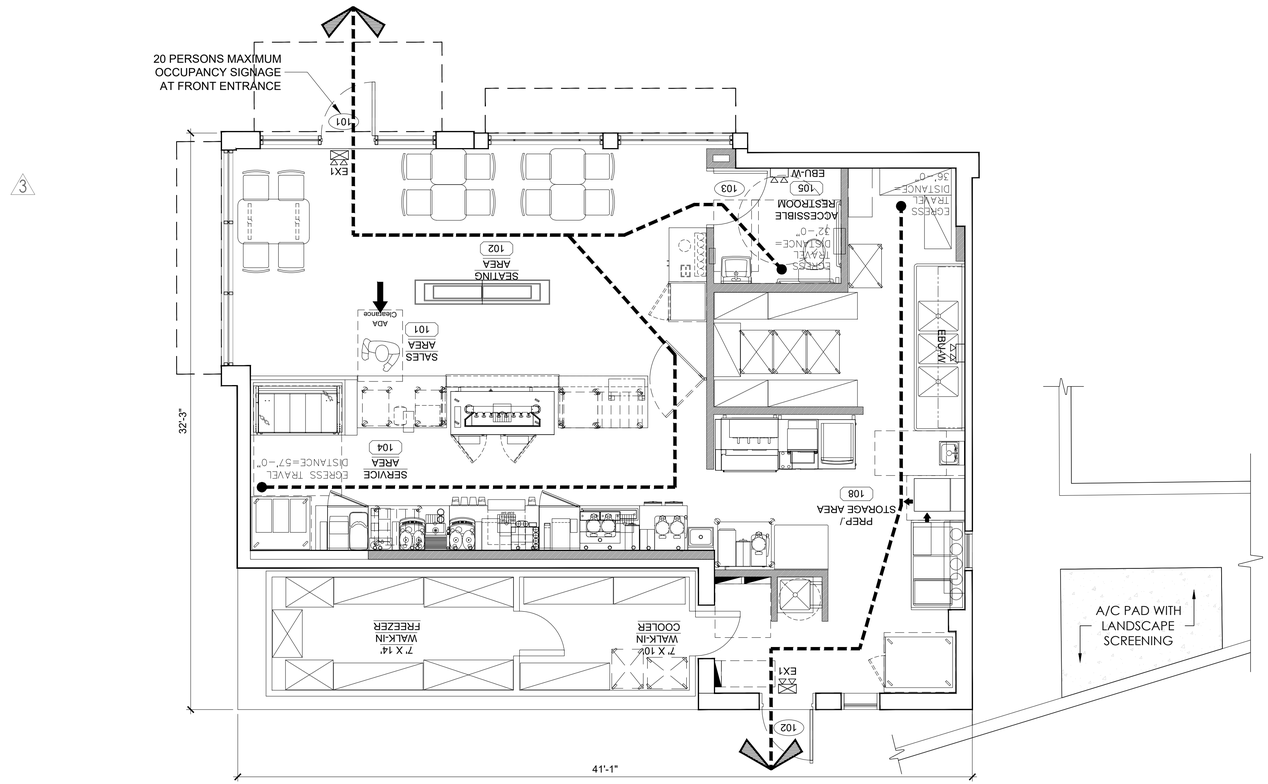
INTERIOR FINISH CODE

INTERIOR WALL & CEILING FINISH CLASSIFICATION:

GROUP B NON SPRINKLERED ROOMS & ENCLOSED SPACES CLASS C.
(ACCORDING FBC 803.11)

INTERIOR FLOOR FINISH CLASSIFICATION:

MINIMUM CLASS II IN GROUP B
(ACCORDING FBC 804.4.2)



3

1 LIFE SAFETY PLAN
1/4" = 1'-0" NOTE:

NOT USED

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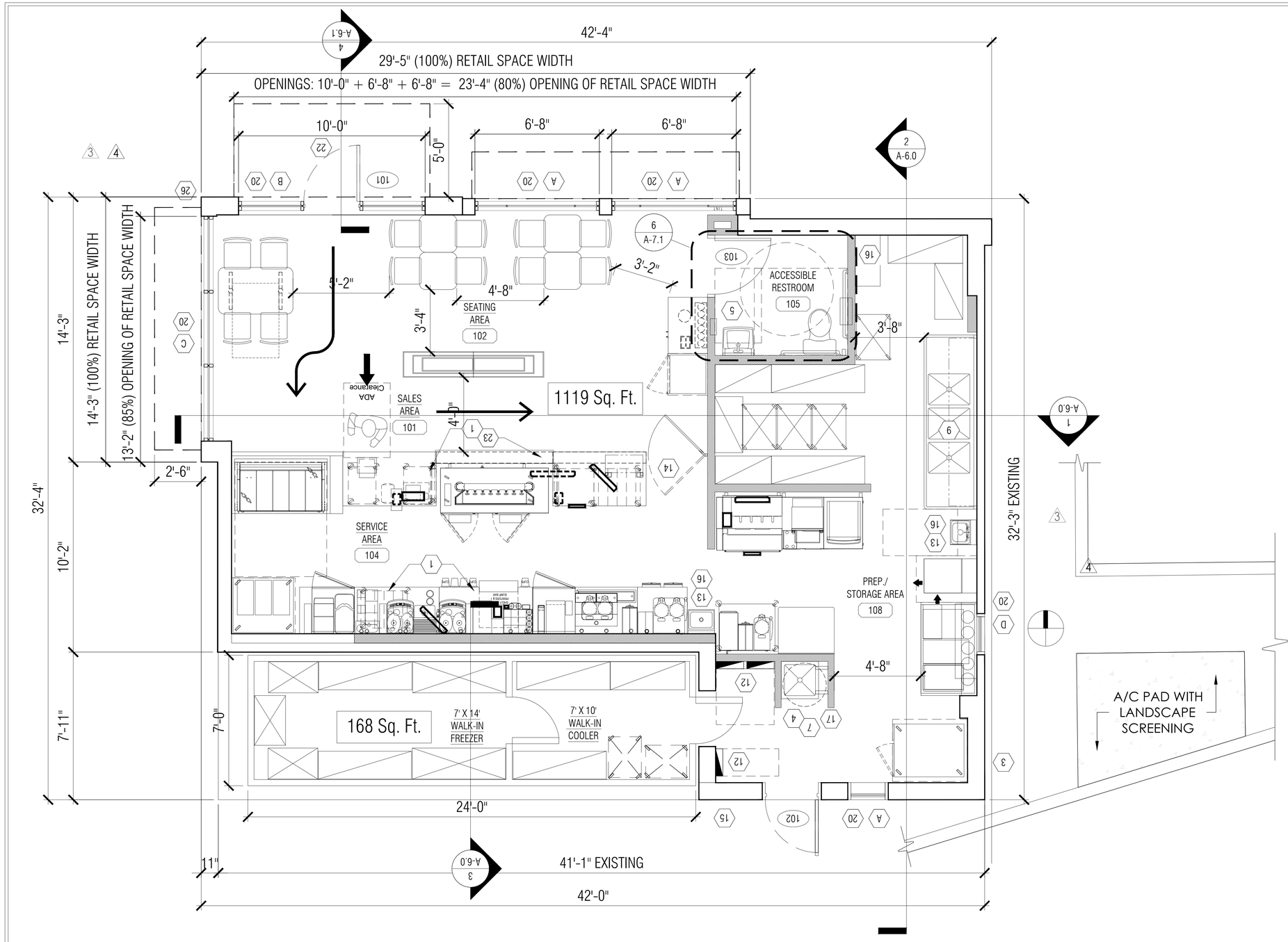
revisions:
3 11.21.2024 - fm BUILDING COMMENTS

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09.09.2024

project # :
230636

LS-1.0
LIFE SAFETY PLAN



1 FLOOR PLAN
1/4" = 1'-0" NOTE:

2 NOT USED
NTS NOTE:

WALL LEGEND:

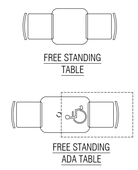
NEW PARTITION WALL: 3-5/8" OR 6" 20 GA. GALV. METAL STUDS @16" O.C. W/ ⅝" GYPSUM BOARD ON EACH SIDE.

EXISTING CMU WALL

3 NOT USED
1/4" = 1'-0" NOTE:

03.02.2026

NOT USED



3 TABLE LEGEND
1/4" = 1'-0" NOTE:

PLAN NOTES:

1. CASEWORK BY OTHERS.
2. ~~SLIDING DRIVE-THRU WINDOW. - SEE DUNKIN' CONSTRUCTION SPECIFICATIONS ON GN SHEETS AND NATIONAL ACCOUNTS ON THE EXTRANET.~~
3. ROOF LADDER
4. JANITOR'S SINK - PROVIDE DEDICATED WATER SUPPLY FOR P&G DISPENSER (SEE NATIONAL ACCOUNTS). P&G EQUIPMENT INSTALLED BY VENDOR
5. SURFACE MOUNT HAND DRYER W/ DBI BRANDING AND SUSTAINABILITY MESSAGE; REFER TO RESTROOM EQUIP.
6. ~~P.O.S. OUTLET BOX (48" A.F.F.) WITH ½" CONDUIT W/ PULLSTRING TO CEILING~~
7. PROVIDE SHELF AND STRAPPING FOR TANK WATER HEATER (WHEN USED) MOUNTED OVER MOP SINK
8. ~~CONC. FILLED STEEL BOLLARD - SEE DETAIL #3/ SHEET SP-1.0~~
9. 3 COMPARTMENT SINK W/ 2 INTEGRATED DRAIN BOARDS- PROVIDE DEDICATED WATER SUPPLY FOR P&G DISPENSER (SEE NATIONAL ACCOUNTS). P&G EQUIPMENT INSTALLED BY VENDOR- SEE DETAIL #9/ SHEET P-3.0
10. ~~FROST PROOF HOSE BIB~~
11. ~~2" X 2" STAINLESS STEEL CORNER GUARDS, FULL LENGTH OF CORNER UP TO CEILING (TYPICAL THROUGHOUT BACK OF HOUSE)~~
12. ELECTRICAL PANELS; SEE ELECTRICAL DOCUMENTS
13. HAND SINKS ARE REQUIRED WITHIN A 25 FT. RADIUS OF ALL WORK STATIONS IN SERVICE AREAS AND KITCHEN (OR PER LOCAL CODE IF MORE STRINGENT)
14. SWING GATE @ HAND OFF AREA BY MILLWORK VENDOR.
15. ELECTRICAL METER - VERIFY IN FIELD, SEE ELECTRICAL DOCUMENTS
16. PROVIDE DIRECT LINE W/ TEMPERATURE REGULATOR VALVE FROM HWH TO ALL HAND WASHING SINKS
17. HOT WATER HEATER, SEE PLUMBING DOCUMENTS
18. ~~G.C. TO PROVIDE ANCHOR BOLTS FOR SLAB MOUNTED SAFE IN OFFICE- REFER TO SPECIFICATIONS TO BE PROVIDED BY FRANCHISEE.~~
19. WATER FILTRATION SYSTEM (BRANCH OFF MAIN LINE) FOR COFFEE BREWING EQUIPMENT, BEVERAGE MACHINES, ETC.; LOCATE ABOVE WATER METER
20. WINDOW SHADE; SEE CONSTRUCTION SPECIFICATIONS ON GN-1.5 AND NATIONAL ACCOUNTS SUPPLIER ON THE EXTRANET.
21. ~~CORE DRILL, SEE DETAIL #6/ SHEET A-9.0~~
22. CANOPY OVERHEAD
23. MILLWORK SUPPLIER SHALL PROVIDE ACCESS FOR UTILITIES & CLEANING AT ALL FRONT LINE MILLWORK
24. ~~PROVIDE CLEAR ANODIZED ALUM EDGE TRIM (SCHLUTER "JOLLY") FOR FULL HEIGHT OF WALL @ EXTERNAL CORNERS & ALL LOCATIONS WHERE TILE ENDS.~~
25. NOT USED.
26. PROJECTION OF LOWER BAND @ MONOLITH. SEE EXTERIOR ELEVATIONS.
27. PROJECTION OF ORANGE ACCENT BEAM. SEE EXTERIOR ELEVATIONS.
28. ~~EXTERIOR ACCENT PANEL. SEE EXTERIOR ELEVATIONS.~~
29. "PLAN TUBE" MOUNTED ON WALL.

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STATE OF FLORIDA MICHAEL VENTURA AR0016152 REGISTERED ARCHITECT

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DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

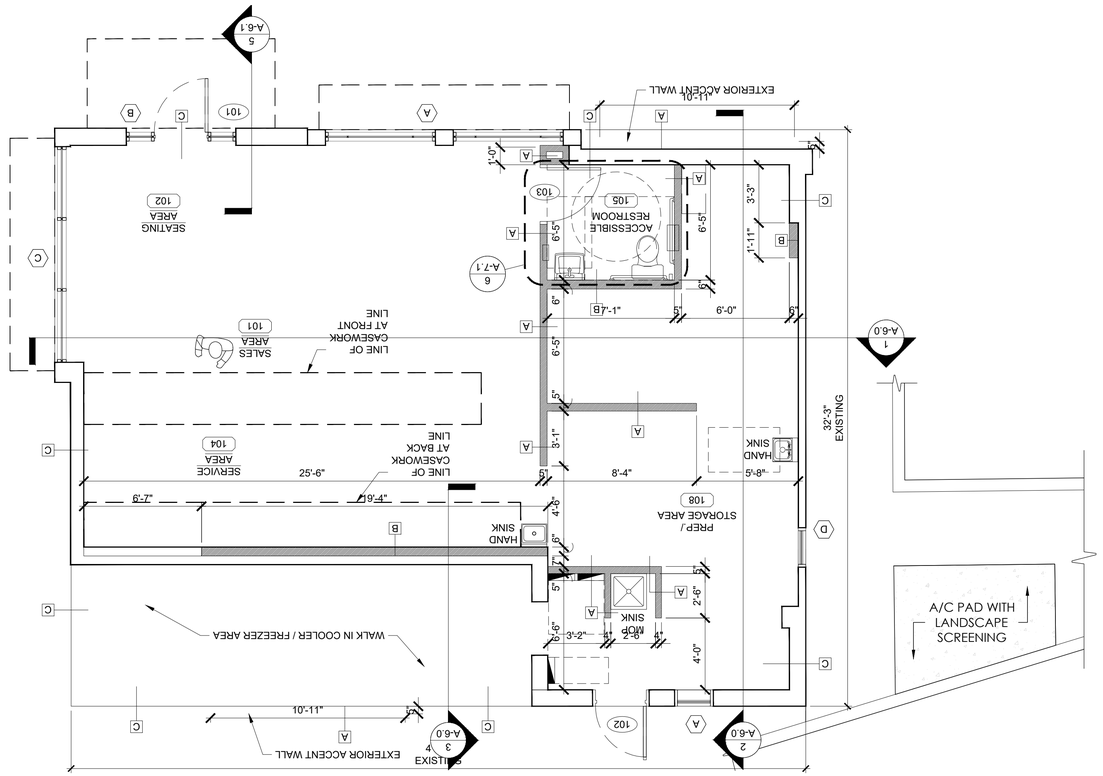
revisions:
3 08.20.2025 - fm BUILDING COMMENTS
4 11.05.2025 - fm ZONING COMMENTS

Drawn by:
JA

date:
09.09.2024

project # :
230636

A-1.0
FLOOR PLAN & NOTES



1 FRAMING PLAN
1/4" = 1'-0" NOTE:

GENERAL NOTES:

1. TYPICAL SUBSTRATES FOR INTERIOR WALLS SHALL BE AS FOLLOWS:
   PREP/ KITCHEN AND STORAGE AREAS:
   0'-0" TO 3'-0" - ⅝" DUROCK CEMENT BOARD, 3'-0" AND ABOVE - ⅝" ORIENTED STRAND BOARD (OSB)
   SERVICE AREA:
   ⅝" MIN. ORIENTED STRAND BOARD (OSB), ⅝" DUROCK CEMENT BOARD BEHIND PORCELAIN/ CERAMIC TILES.
   SALES AND SEATING AREAS:
   ½" GYPSUM BOARD, ⅝" DUROCK CEMENT BOARD BEHIND CERAMIC TILES, ⅝" ORIENTED STRAND BOARD @ DECORATIVE PLAM "WOOD" WALLS.
   RESTROOMS:
   ⅝" DUROCK CEMENT BOARD

   - GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE BLOCKING AS REQUIRED THROUGHOUT; IN RESTROOMS FOR GRAB BARS, LAVATORIES, HAND DRIERS, MIRRORS, PAPER TOWEL DISPENSERS, SOAP DISPENSERS, AND OTHER ACCESSORIES UNLESS OTHERWISE NOTED; IN SERVICE AREA FOR: VDU, WALL SHELVES, ETC.
2. DIMENSIONS SHOWN ARE TO THE FACE OF FINISH.
3. REFER TO EQUIPMENT "K" SHEETS FOR INFORMATION REGARDING THE EQUIPMENT AND EQUIPMENT LAYOUT.
4. PROVIDE FIRE EXTINGUISHERS, TYPE ABC, WALL HUNG, TOP @ 5'-0" A.F.F. (BY G.C.).

5. INDOOR AIR QUALITY MANAGEMENT REQUIREMENTS:
   B. DURING CONSTRUCTION THE USE OF SMOKING/TOBACCO PRODUCTS INSIDE THE BUILDING IS PROHIBITED.
   C. CONTRACTOR AND SUBCONTRACTORS SHOULD MAKE EVERY EFFORT TO MAINTAIN CLEAN WORK AREAS.
   D. CONSTRUCTION ACTIVITIES THAT PRODUCE DUST SHOULD TAKE PLACE PRIOR TO HVAC STARTUP/USE, AND EVERY EFFORT SHOULD BE MADE TO DIRECT THESE POLLUTANTS TO THE OUTDOORS WITH FANS.
   E. MATERIALS THAT ARE ABSORPTIVE SHOULD NOT BE BROUGHT ON-SITE UNTIL THE BUILDING IS SUFFICIENTLY DRIED IN, AND SHOULD BE ELEVATION FROM THE GROUND AND COVERED WITH VISQUEEN WHILE STORED ON SITE.
   F. IF THE HVAC SYSTEMS WILL BE USED DURING CONSTRUCTION ACTIVITIES, TEMPORARY FILTRATION (MERV 8) SHOULD BE USED ON ALL RETURN AIR INTAKES, AND THE FILTERS INSIDE THE UNIT SHOULD BE REPLACED PRIOR TO BUILDING TURN OVER.
   G. ALL INDOOR AIR QUALITY MANAGEMENT POLICIES OUTLINED ABOVE ARE PHOTOGRAPHED AT 25%, 50%, AND 75% PROJECT COMPLETION TO CONFIRM MEASURES WERE FOLLOWED.
6. CONSTRUCTION WASTE RECYCLING REQUIREMENTS:
   A. ALL CONSTRUCTION-RELATED RECYCLABLE WASTE SHOULD BE RECYCLED/REUSED OR OTHERWISE DIVERTED FROM LANDFILL WHENEVER POSSIBLE.
   B. AT MINIMUM ALL CONCRETE, METAL, AND PLASTIC THAT MEETS LOCAL RECYCLING STANDARDS SHOULD BE RECYCLED.
   C. WHERE LOCAL MUNICIPALITIES OR VENDORS OFFER COMMINGLED RECYCLING OPPORTUNITIES TO HELP ACHIEVE OVER 50% CONSTRUCTION WASTE DIVERSION RATE FROM LANDFILL, FRANCHISEE SHOULD PURSUE.

PARTITION NOTES:

LIGHT GAGE STEEL FRAMING NOTES:

LIGHT GAGE FRAMING SHALL CONFORM TO ASTM A653, WITH G60 GALVANIZING.

USE GALVANIZED STEEL "C" STUDS, TRACKS, ANGLES AND STRAPS AS SHOWN ON DRAWINGS AND DETAILS PROVIDING THE FOLLOWING MINIMUM SECTION PROPERTIES ON PLAN:

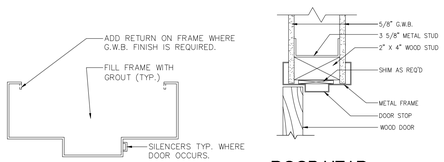
C-STUDS:
3 5/8" 18 GAGE I=0.616 IN4 S=0.340 IN3 MR=6,3300 IN-LB FY=33 KSI
6" 18 GAGE I=2.190 IN4 S=0.796 IN3 MR=15,300 IN-LB FY=33 KSI

TRACK::
3 5/8" 18 GAGE I=0.808 IN4 S=0.427 IN3 MR=5,3400 IN-LB FY=33 KSI
6" 18 GAGE I=3.150 IN4 S=1.010 IN3 MR=21,500 IN-LB FY=50 KSI

ALL TRACKS SHALL HAVE A MINIMUM LEG OF 1-3/8"

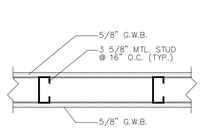
SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J-429 GRADE 5 AND IFI-105. SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.

NOT USED

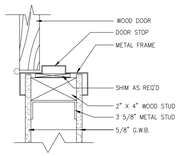


TYP. MTL. FRAME PROFILE
N.T.S.

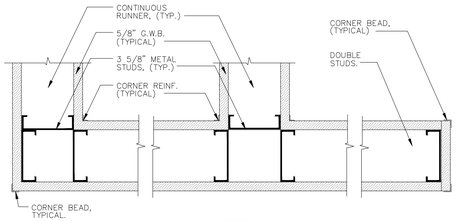
DOOR HEAD AT PARTITIONS



TYPICAL PARTITION



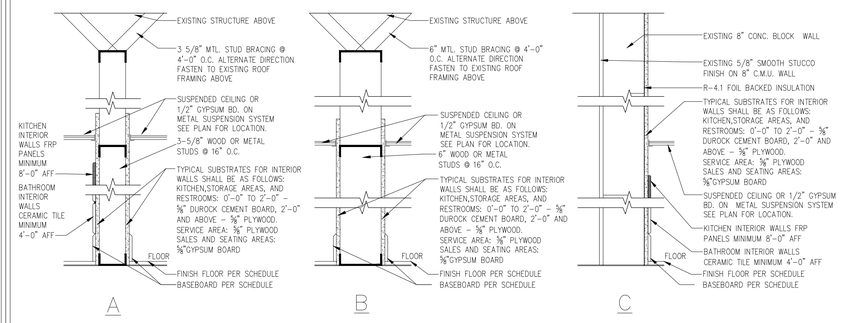
DOOR JAMB AT PARTITIONS



CORNER INTERSECTION WING WALL

2 PARTITION DETAILS
NTS NOTE:

PARTITION TYPES



WALL LEGEND:

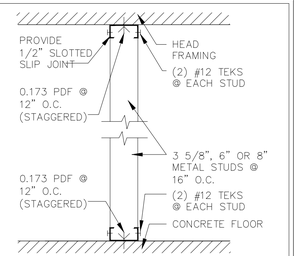
NEW PARTITION WALL: 3-5/8" OR 6" 20 GA. GALV. METAL STUDS @16" O.C. W/ ⅝" GYPSUM BOARD ON EACH SIDE.

EXISTING CMU WALL

DOOR DETAIL:

NOTE:
ALL DOORS ARE TO BE LOCATED 6 INCHES FROM FACE OF WALL TO INSIDE JAMB ON THE HINGE SIDE. UNLESS OTHERWISE NOTED.





NOTE: PDF - POWDER DRIVEN FASTENER

3 FASTENING DETAIL (TYP)
1/4" = 1'-0" NOTE:

4 NOT USED
1/4" = 1'-0" NOTE:

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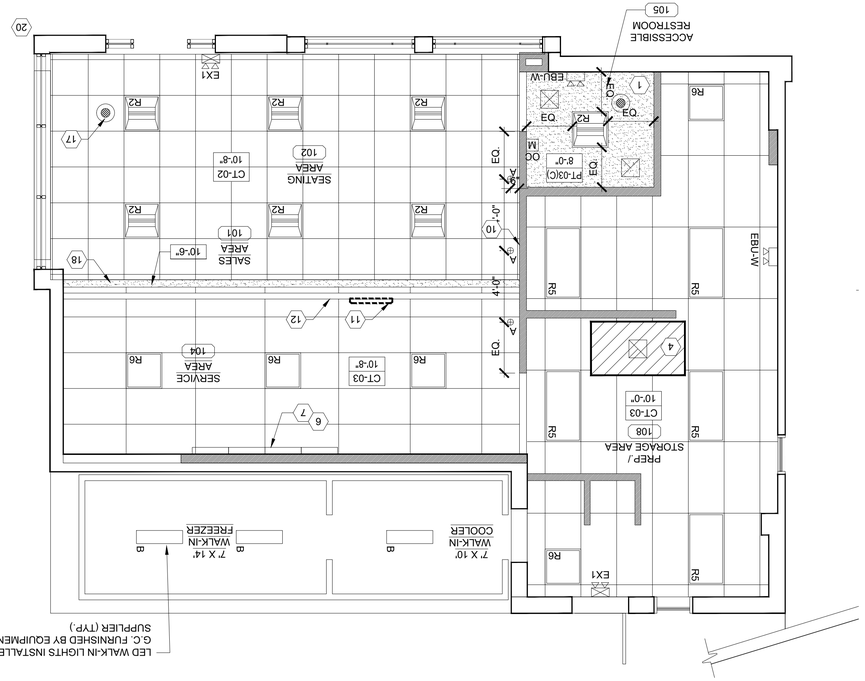
revisions:

Drawn by:
JA

date:
09.09.2024

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A-1.1
FRAMING PLAN, NOTES AND PARTITION TYPES



1 REFLECTED CEILING PLAN

1/4" = 1'-0" | NOTE:

GENERAL NOTES:

1. ALL INTERIOR & EXTERIOR LIGHTING TO BE LED (INCLUDING IN THE WALK-IN BOX).
2. EFFECTIVE LIGHTING CONTROLS STANDARD THROUGHOUT. OCCUPANCY SENSORS TO BE USED IN SPACES NOT ACTIVELY USED THROUGHOUT THE DAY (RESTROOMS, OFFICE, CONFERENCE ROOMS AND ETC..).
   INTEGRATE OCCUPANCY SENSORS IN SPACES NOT ACTIVELY USED THROUGHOUT THE DAY INCLUDING: RESTROOMS, OFFICE, WALK-IN BOX, CONFERENCE ROOMS & CLOSETS.
3. REFER TO MASTER FINISH SCHEDULE FOR CEILING FINISHES.
4. OPEN CEILING IN SALES & SEATING AREA TO BE ALTERNATIVE OPTION.
5. ALL DEVICES (DIFFUSERS, RETURNS, SMOKE DETECTORS, ETC.) TO MATCH CEILING. WHEN OPEN CEILING IS USED ALL PIPES AND DUCTS AND ALL OTHER ITEMS THAT ARE ON CEILING TO BE PAINTED TO MATCH CEILING.
6. LAYOUT NOTES:
   A. PROVIDE EMERGENCY LIGHTS & SMOKE DETECTORS AS REQUIRED BY LOCAL GOVERNING CODE.
   B. ADD THE RH REMOTE WEATHER PROOF EMERGENCY HEAD (PRODUCT #Z1PB) TO THE EXTERIOR EGRESS DOORS IF REQUIRED BY CODE.
   C. HOOD OVER SANDWICH STATION IS RECOMMENDED BUT NOT REQUIRED. ARCHITECT / ENGINEER MUST REVIEW LOCAL CODES TO DETERMINE WHETHER A HOOD IS REQUIRED. IF A HOOD IS NOT USED IT IS REQUIRED THAT AN EXHAUST GRILL BE PLACED IN THE CEILING ABOVE THE SANDWICH STATION. IF NO EXHAUST IS PROVIDED AT THE SANDWICH STATION THE FRP PANELS AND / OR DIGITAL MENU BOARDS COULD BE AFFECTED BY THE HEAT FROM THE SANDWICH STATION.
7. MUSIC SYSTEM NOTES: THE MUSIC SYSTEM IS A REQUIREMENT OF THE BRAND. ARCHITECTS TO FOLLOW ALL GUIDELINES LISTED BELOW.
   A. MUSIC SYSTEM IS REQUIRED IN ALL NEW AND REMODEL STORES. ALL CEILING SPEAKERS TO BE FLUSH MOUNTED @ GYP. BOARD CLG. & ACT CLG. SPEAKERS @ OPEN CEILING TO BE MOUNTED ON LOWER CORD OF ROOF TRUSSES.ALL INTERIOR SPEAKERS TO MATCH SURFACE IT IS MOUNTED ON. ALL EXTERIOR SPEAKERS TO BE BLACK, WITH EXTERIOR GRADE CONSTRUCTION.
   B. ONE SPEAKER IN EACH RESTROOM- FLUSH MOUNT.
   C. A MINIMUM OF TWO SPEAKERS IN THE SEATING AREA NO SPEAKERS IN THE SERVICE AREA.
   D. A MINIMUM OF TWO SPEAKERS AT EXTERIOR SEATING AREAS WHERE APPLICABLE.
   E. SPEAKER AT EXTERIOR OF BUILDING ADJACENT TO ENTRY.
   F. PROVIDE AND INSTALL SEPARATE VOLUME CONTROLS FOR EACH AREA (RESTROOMS, SEATING AREA, EXTERIOR)
   G. HARDWARE TO BE INSTALLED IN THE OFFICE. FIELD VERIFY AND COORDINATE WITH FRANCHISE FOR THE EXACT LOCATION OF THE UNIT AND VOLUME CONTROLS.

PLAN NOTES:

1. GYPSUM WALL BOARD CEILING.
2. ~~HOOD FOR MINI-RACK OVEN: HOOD SHROUD IS OPTIONAL IF LOCAL JURISDICTION ALLOWS; EXHAUST FAN IS REQUIRED PER DBI STANDARDS.~~
3. ~~FLUE FOR HOT WATER HEATER.~~
4. EXHAUST HOOD FOR SANDWICH STATION WITH ROOF FAN REQUIRED PER DBI STANDARDS.
5. NOT USED.
6. DIGITAL MENU BOARDS TO BE CENTERED WITH POS STATION AT FRONT LINE; MAINTAIN 2" CLEARANCE BOTH ENDS OF SYSTEM FOR UNIT VENTILATION.
7. ARCHITECT TO ENSURE THAT ADEQUATE DISTANCE IS MAINTAINED BETWEEN DIGITAL MENU BOARDS AND OTHER OBSTRUCTIONS SUCH AS LIGHTS, SPRINKLER HEADS, CAMERAS, AND TOASTER/OVEN. 36" MIN DISTANCE BETWEEN DMBS AND EACH OBSTRUCTION IS PREFERRED. LIGHTS PLACED TOO CLOSE TO DIGITAL MENUBOARD SYSTEM MAY CAUSE UNWANTED GLARE. HEAT FROM TOASTERS WILL LEAD TO SCREEN FAILURE
8. DIGITAL MENU BOARD (DMB) MINIMUM CLEARANCES:
   VERTICAL MOUNT (DEFAULT) -
   - 4- 49" DIAGONAL BOARDS (STANDARD) IS 120" L (8'-6") AND 48" H (4'-0")
   - 4- 43" DIAGONAL BOARDS IS 91" L (7'-7") AND 42" H (3'-6")
9. ~~24"x24" ACCESS PANEL.~~
10. "LROD" PANEL ARTWORK - SEE INTERIOR ELEVATIONS.
11. G.C. TO PROVIDE BLOCKING AND TO INSTALL CEILING MOUNT POLE AND BUTTERFLY MOUNT (PROVIDED BY VENDOR) FOR ORDER STATUS BOARD AND EXPEDITOR VDU. TELEHOOK TH-1040 WITH (2) SCREEN MOUNTING PLATES BACK TO BACK.REFER TO DETAIL #3A/ SHEET E-3.1.
12. CUSTOM LIGHT BAR MOUNTED @ 8'-7" A.F.F., SEE DETAIL #4/A-2.0
13. HVAC DUCTWORK SHALL BE INSTALLED AS HIGH AS POSSIBLE OR 1" BELOW SERVICE AREA CEILING/ SOFFIT CONSTR.
14. ~~BOTTOM OF SUSPENDED LINEAR LED FIXTURES @10'-0" A.F.F. (FIXTURE P-1 AND P-2).~~
15. ~~PENDANT LIGHTS TO BE CENTERED ON COMMUNITY TABLE, MOUNTED @ 7'-6" A.F.F.~~
16. ~~TRACK LIGHT 'C' TO BE USED IN LIEU OF LIGHT FIXTURE 'A' WHEN ILLUMINATING ARTWORK WHERE CLG. ABOVE IS OPEN MOUNT @ 11'-0" A.F.F. (TYP.)~~
17. SPEAKERS LOCATED @ OPEN CLG. TO BE MOUNTED UNDER BOTTOM CHORD OF ROOF TRUSS.
18. FRONTLINE SOFFIT TO ALIGN WITH MILLWORK BELOW.
19. ~~"R1" LIGHT FIXTURES ABOVE FRONTLINE SOFFIT TO ALIGN WITH "R1" LIGHT FIXTURES AT BACKLINE SOFFIT (TYP.)~~
20. ORANGE BEAM LIGHTING:
    UNDERSIDE OF BEAM - WHEN USING THE NATIONAL ACCOUNTS PREFABRICATED ORANGE BEAM LED-13 SHALL BE PROVIDED BY THE VENDOR FOR THE UNDERSIDE OF THE BEAM; WHEN THE ORANGE BEAM IS FIELD FRAMED LED-2 SHALL BE PROVIDED BY THE G.C. AND USED ON THE UNDERSIDE OF THE BEAM. TOP OF BEAM - WHEN USING THE NATIONAL ACCCOUNTS PREFABRICATED ORANGE BEAM LED-13 SHALL BE PROVIDED BY THE VENDOR FOR THE TOP OF THE BEAM; WHEN THE ORANGE BEAM IS FIELD FRAMED LED-12 SHALL BE PROVIDED BY THE G.C. AND USED ON TOP OF THE BEAM.
21. ~~SOUND ATTENUATING PANELS FOR OPEN CEILING ONLY. REFER TO MASTER FINISH SCHEDULE ; NATIONAL ACCOUNTS & DUNKIN EXTRANET FOR ADDITIONAL INFORMATION~~

CEILING LEGEND:

- R2 — 2x2 LAY-IN LED TROFFER LIGHT FIXTURE
- R5 — 2x4 LAY-IN LED LIGHT FIXTURE W/ LENS
- R6 — 2x2 LAY-IN LED LIGHT FIXTURE W/ LENS
- R7 — 2x4 LAY-IN LED TROFFER LIGHT FIXTURE
- R1 — LED RECESSED LIGHT FIXTURE
- C — TRACK LIGHT
- R4 — ORANGE LIGHT BAR FIXTURE
- P1 / P2 — SUSPENDED LINEAR LED FIXTURE
- LED-12/ LED-13/ LED-14 — EXTERIOR LED TAPE LIGHT
- LED-2 — EXTERIOR RECESSED LIGHT FIXTURE
- A — WALL WASH FIXTURE
- EBU — WALL MTD EMERG LIGHT
- EX1 — WALL MTD EMERG LIGHT/ EXIT SIGN COMBO
- EMERGENCY LIGHT REMOTE HEAD
- SPEAKER
- GYPSUM BOARD CEILING
- 2"X2" CEILING GRID SYSTEM
- 2"X4" CEILING GRID SYSTEM
- M — WALL-MTD OCCUPANCY SENSOR
- RETURN/CEILING EXHAUST REGISTER
- SUPPLY AIR DIFFUSER - 4 WAY
- FLUE
- ACCESS HATCH
- ORDER STATUS BOARD/ EXPEDITOR VDU
- EWS-1 — WALL PACK
- G — WALL PACK #2
- WSCX-2 — EXTERIOR WALL MOUNT LIGHT

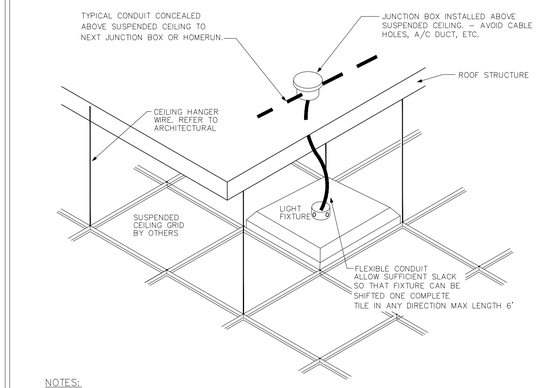
NOTE: SEE ELECTRICAL DWG'S FOR MORE INFORMATION ON LIGHT FIXTURES.

LIGHTING SCHEDULE - VILLA LIGHTING

CODE	DESCRIPTION	MANUFACTURER	PRODUCT
A	WALL-WASH FIXTURE- TO BE USED AT ARTWORK AND LROD SIGN	CONTECH	RL20SA3-35K-12-D/ CTR2002CLR-P
B	PROVIDED BY WALK-IN BOX MANUF.	VARIES	VARIES
C	TRACK LIGHT & HEAD- USED @ WALL W/ ART WORK AND WHERE CEILING IS OPEN	JUNO	R600L-35K-BL
EBU-W	ULTRA COMPACT LED EMERGENCY UNIT (WHITE)	EXTRONIX	EBU-W-LED-51-52
EBU-B	ULTRA COMPACT LED EMERGENCY UNIT- USED ON WT-02 WALL ONLY (BLACK)	EXTRONIX	EBU-BL-LED-51-52
EMR	EXTERIOR COMBO LED REMOTE EXIST LIGHT HEAD- USED ABOVE OR ADJACENT TO EXIT DOORS (GRAY)	EXTRONIX	MLED-2-G-WP
EWS-1	WALL PACK (GRAY) EXTERIOR- USED ON DARK WALL FINSIH	WAC	WP-LED227-30-AGH
EWS-2	WALL PACK (WHITE) EXTERIOR- USED ON LIGHT WALL FINISH	WAC	WP-LED227-30-AWT
G	WALL PACK - ABOVE SERVICE DOOR	COOPER	XTOR3A
EX1	COMBO LED EXIT SIGN W/ LIGHT HEADS (WHITE)	EXITRONIX	VLED-U-WH-EL90
BL	BATHROOM SCONCE	LUMENCIA	LLW260D3K-SN
LED 2	EXTERIOR RECESSED LIGHT FIXTURE- USED UNDER ORANGE BEAM/ CANOPY	LUMARK	XTOR2B-W
LED 11	NOT USED		
LED 12	EXTERIOR LIGHT FIXTURE- USED ON TOP OF CHARCOAL TRIM AND FIELD FRAMED ORANGE BEAM	SOLID STATE LUMINARIES SOLUTIONS OF LIGHTING	SSL-LSSL-5165-400 LUMENS
LED 13	EXTERIOR LIGHT FIXTURE- USED ON TOP OF AND ON THE UNDERSIDE OF THE ORANGE BEAM WHEN USING THE PREFAB		TO BE PROVIDED BY PREFAB ORANGE BEAM VENDOR
LED 14	EXTERIOR LIGHT FIXTURE - ACCENT LIGHT USED ON TOP OF CHARCOAL TRIM AT BASE OF MONOLITH ONLY	LED POWER	HB308-48"-41K-15D-AC
OC	WALL MOUNTED OCCUPANCY SENSOR	WATTSTOPPER	WS-250-W
P1	8' SUSPENDED LINEAR LIGHT FIXTURE- USED IN SEATING/ SALES AREA	TEXAS FLURESCENTS	SES-FR-96L-S62W6200L-DMV-35K-BK
P2	4' SUSPENDED LINEAR LIGHT FIXTURE- USED IN SEATING/ SALES AREA	TEXAS FLURESCENTS	SES-FR-48L-S62W3100L-DMV-35K-BK
P3	PENDANT CHANDELIER- USED ABOVE COMMUNITY TABLE	TECH LIGHTING	700TD-ALVPMC-OS-LED930
PKL3	PARKING LOT LIGHTING	COOPER LIGHTING	LUMARK PRV-PREVAIL PRV-A40-UNV-T3-SA-BZ
PKL4	PARKING LOT LIGHTING	COOPER LIGHTING	LUMARK PRV-PREVAIL PRV-A40-UNV-T4-SA-BZ
R1	RECESSED LED LIGHT FIXTURE	CREE	RC6/CR6T-1600L-35K
R2	2X2 LAY-IN TROFFER LED LIGHT FIXTURE, USED IN FRONT OF HOUSE	CREE	CR22-32L-35K-S-HD
R3	4" LED ADJ DOWNLIGHT, 400K, 200 LUMEN	NORA	NCH-436-L20-40-D-SF
R4	LED LINEAR LIGHT BAR- USED ABOVE FRONT LINE [NOTE: AVAILABLE IN INCREMENTS OF 1FT WITH A 1FTx1FT CORNER PIECE]	PINNACLE ARCHITECTURAL LIGHTING	EX3D-A-N-835VHO-8-S/AC120ST
R5	2X4 LAY-IN LED LIGHT FIXTURE, USED IN BACK OF HOUSE	LSI	SFP24-LED-50-UE-DIM-35-U
R6	2X2 LAY-IN LED LIGHT FIXTURE, USED OVER SERVICE AREA - REMODELS ONLY	LSI	SFP22-LED-UE-30-DIM-35-U
R7	2X4 LAY-IN TROFFER LED LIGHT FIXTURE, USED IN FRONT OF HOUSE - REMODELS ONLY	CREE	CR24-40L-35K-S-HD
WSCX-2	EXTERIOR SIGN LIGHT FIXTURE - USED AT ACCENT PANELS	HI-LITE MFG INC.	H-HDMR16/18-1-119/ MR16AD1C293010T-10-S1

LIGHTING SCHEDULE NOTES

1. PROVIDE ALL FIXTURES COMPLETE WITH LAMPS. REF. NATIONAL ACCOUNT SOURCE INFO FOR LAMP SPECS & VILLA LIGHTING RE-LAMPING PROGRAM.
2. ALL BALLASTS SHALL BE HIGH POWER FACTOR.
3. PROVIDE HOLD-DOWN CLIPS FOR EACH CORNER OF FLUORESCENT GRID TROFFERS.
4. COORDINATE AND VERIFY ALL FIXTURE INFORMATION, TYPES AND FINAL LOCATIONS WITH THE REFLECTED CEILING PLAN.
5. LAMPS SHALL BE AS MANUFACTURED BY SYLVANIA, WESTINGHOUSE, GENERAL ELECTRIC OR APPROVED EQUAL.

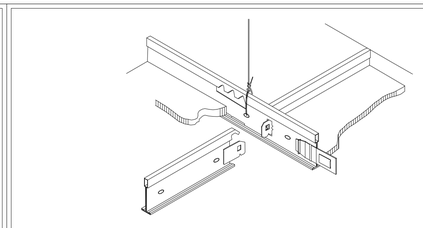


NOTES:

1. PROVIDE #12 GREEN GROUND WIRE IN FLEXIBLE CONDUIT WITH BRANCH CIRCUIT WIRING AND BOND TO OUTLET BOX AND FIXTURE HOUSING.
2. SECURELY FASTEN FIXTURE TO CEILING FRAMING MEMBERS WITH FOUR (4) T–BAR CLIPS PER FIXTURE. SUPPORT FROM SUSPENDED CEILING ONLY AS APPROVED BY ARCHITECT.

6 LIGHT FIXTURE MOUNTING DETAIL

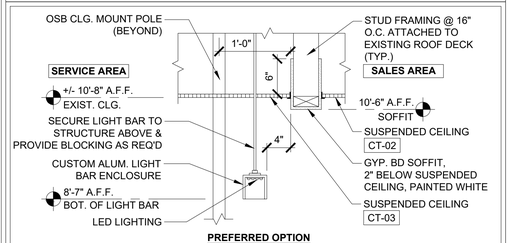
N.T.S. | NOTE:



PROVIDE MAIN RUNNERS CONTINUOUS IN LINE WITH EACH SIDE OF RECESSED LIGHT AND PARALLEL MAX. 4'-0" ON CENTERS IN THE CEILING FIELD. CROSS RUNNERS SHALL BE MAX. 2'-0" ON CENTERS. PROVIDE ACCESSIBLE HOLD-DOWN CLIPS FOR ACOUSTIC TILES LESS THAN 1 LB./SQ. FT. PROVIDE MINIMUM 12 GAUGE GALVANIZED STEEL HANGER WIRE MAXIMUM 4'-0" ON CENTERS ALONG MAIN RUNNERS.

5 SUSPENSION SYSTEM DETAILS

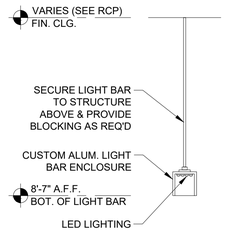
N.T.S. | NOTE:



PREFERRED OPTION

4 SECTION @ SOFFIT ABOVE FRONT LINE

1" = 1'-0" | NOTE:



R4 FIXTURE SUSPENDED FROM CEILING (STANDARD MOUNT)

NOTES:
1) LOCATIONS WITH GYP. CLG. TO HAVE R4 FIXTURE SUSPENDED FROM CLG. @ 8'-7" A.F.F.
2) LOCATIONS WITH ACT CLG. @ 9'-0" A.F.F. OR LOWER TO HAVE R4 FIXTURE SURFACE MOUNTED.
3) LIGHT BAR ENCLOSURE TO HAVE CUSTOM COLOR TO MATCH DD ORANGE PMS #165c; FOR COMBO STORES LIGHT BAR ENCLOSURE OVER BASKIN ROBBINS FRONTLINE TO HAVE CUSTOM COLOR TO MATCH DD MAGENTA PMS #219c.
4) LIGHT FIXTURE & MOUNTING HARDWARE BY G.C. (AVAILABLE THROUGH VILLA LIGHTING OR SPECIALTY LIGHTING - SEE NATIONAL ACCOUNTS)

3 LIGHT BAR DETAIL - R4

1" = 1'-0" | NOTE: @ FRONTLINE

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DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC #364861

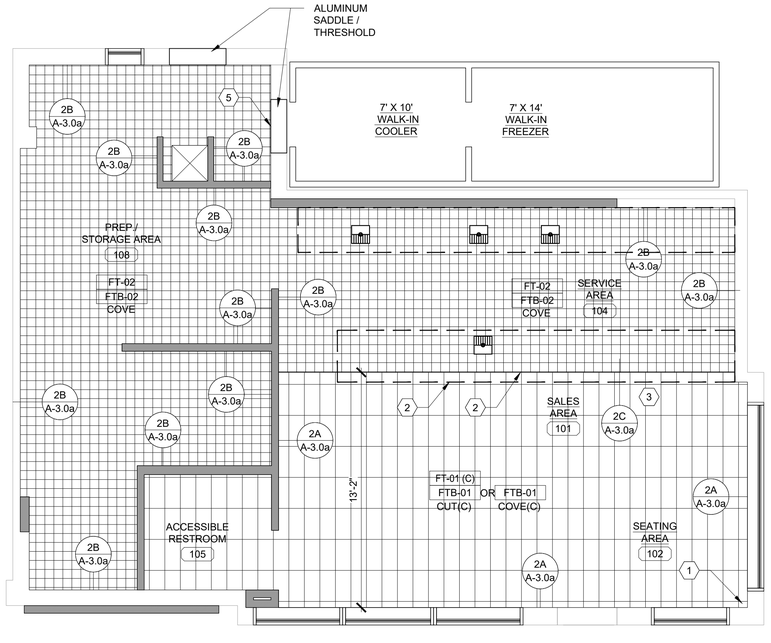
revisions:

Drawn by:
JA

date:
09.09.2024

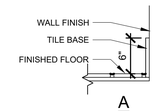
project # :
230636

A-2.0
REFLECTED CLG. PLAN

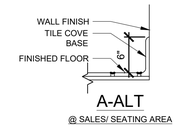


1 | FLOOR FINISH PLAN
1/4" = 1'-0" | NOTE:

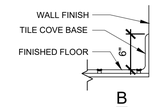
3 | NOT USED
1/4" = 1'-0" | NOTE:



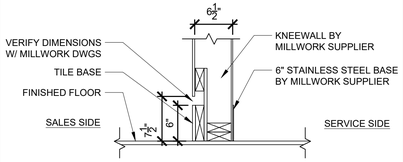
A
@ SALES/ SEATING AREA



A-ALT
@ SALES/ SEATING AREA



B
@ SERVICE/ BOH AREA



C
@ FRONTLINE MILLWORK

2 | TILE BASE DETAIL
1" = 1'-0" | NOTE:

NOT USED

PLAN NOTES

1. TILE WORK STARTING POINT.
2. TILE TRANSITION MUST OCCUR UNDER FRONTLINE MILLWORK - (TYP.)
3. G.C. TO PROVIDE AND INSTALL TILE WALL BASE AT FRONTLINE MILLWORK.
4. LINE OF FLOOR TILE TRANSITION
5. EXTEND KITCHEN TILE FLOORING TO EDGE OF WALK-IN BOX.

   NO TILE AT WALK INS OR MOP SINK

LEGEND

- XX-XX — FLOOR FINISH MATERIAL
- XX-XX — WALL BASE MATERIAL
- WALL BASE
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- CO — FLOOR CLEAN OUT

NOT USED

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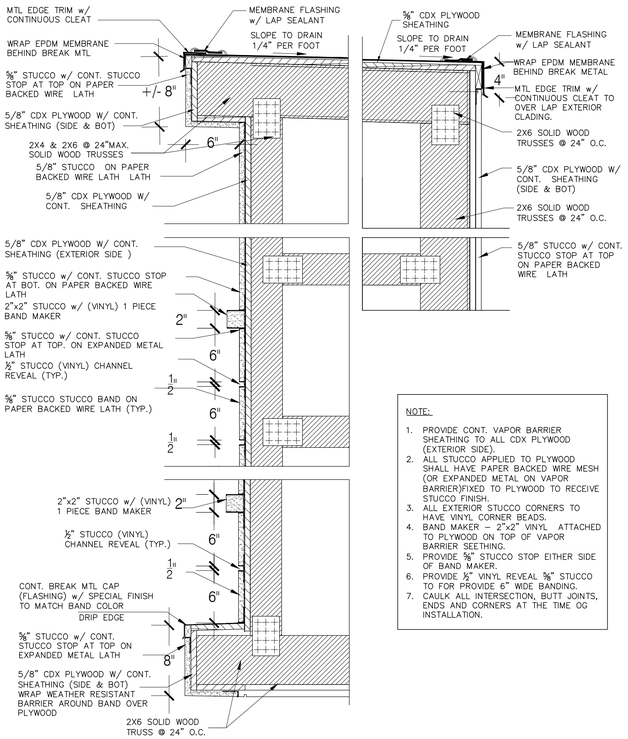
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A-3.0
FLOOR FINSH PLAN

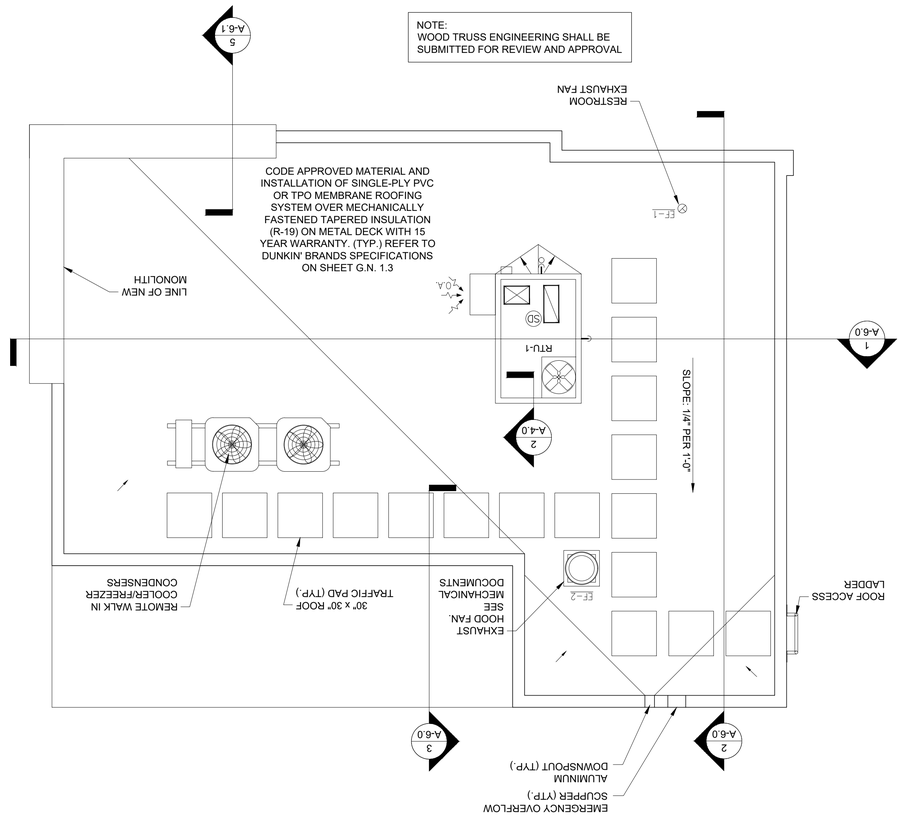


NOTE:

1. PROVIDE CONT. VAPOR BARRIER SHEATHING TO ALL CDX PLYWOOD (EXTERIOR SIDE).
2. ALL STUCCO APPLIED TO PLYWOOD SHALL HAVE PAPER BACKED WIRE MESH (OR EXPANDED METAL ON VAPOR BARRIER)FIXED TO PLYWOOD TO RECEIVE STUCCO FINISH.
3. ALL EXTERIOR STUCCO CORNERS TO HAVE VINYL CORNER BEADS.
4. BAND MAKER – 2"x2" VINYL ATTACHED TO PLYWOOD ON TOP OF VAPOR BARRIER SEETHING.
5. PROVIDE ⅝" STUCCO STOP EITHER SIDE OF BAND MAKER.
6. PROVIDE ½" VINYL REVEAL ⅝" STUCCO TO FOR PROVIDE 6" WIDE BANDING.
7. CAULK ALL INTERSECTION, BUTT JOINTS, ENDS AND CORNERS AT THE TIME OG INSTALLATION.

6 MONOLITH DETAIL

1 1/2" = 1'-0" NOTE:



1 ROOF PLAN (EXISTING)

1/4" = 1'-0" NOTE:

STORM DRAINAGE CALCS.

- MAIN ROOF

ROOF AREA	= 1,119 S.F.
½ VERTICAL WALL	= 247 S.F.
TOTAL ROOF DRAINAGE AREA	= 1,366 S.F.

RAINFALL RATE PER FBC P SECTION 1106
4.5" = 5" for 100-year mean recurrence (60-minute) Primary System
= 1" for 100-year mean recurrence (15-minute) Secondary System

SCUPPER SIZE:

Q = 0.0104 × A × i (ASCE 7-16 Equation C8.3-1)
i = 5 inches/ 60 minutes × 60 minutes/ hour = 4.9 inches/hr
i = 1 inch/ 60 minutes × 60 minutes/ hour = 1 inch/hr

Q = 0.0104 (1,366 ft2) (4.9 inches/hr) = 70 gal/min Primary System
Q = 0.0104 (1,366 ft2) (1 inch/hr) = 14.2 gal/min Secondary System

Scupper Size per Table 1106.2
Pipe/Drain size for 70 gpm = 3" Ø
3"x3.14= 9.42"
Scupper Size 4"x6" min

Emergency Scupper Size per Table 1106.2
Pipe/Drain size for 14.2 gpm = 3" Ø
3"x3.14= 9.42"
Scupper Size 4"x6" min

VERTICAL LEADER SIZING PER TABLE 1106.3
3"x3"

HORIZONTAL GUTTER SIZING PER TABLE 1106.6
2 1/4" × 3"

2 DETAIL AT CURB

1-1/2" = 1'-0" NOTE:

3 SCUPPER DETAIL

1-1/2" = 1'-0" NOTE:

4 NOT USED

1-1/2" = 1'-0" NOTE:

NOTE:

REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

5 VENT THRU ROOF

1-1/2" = 1'-0" NOTE:

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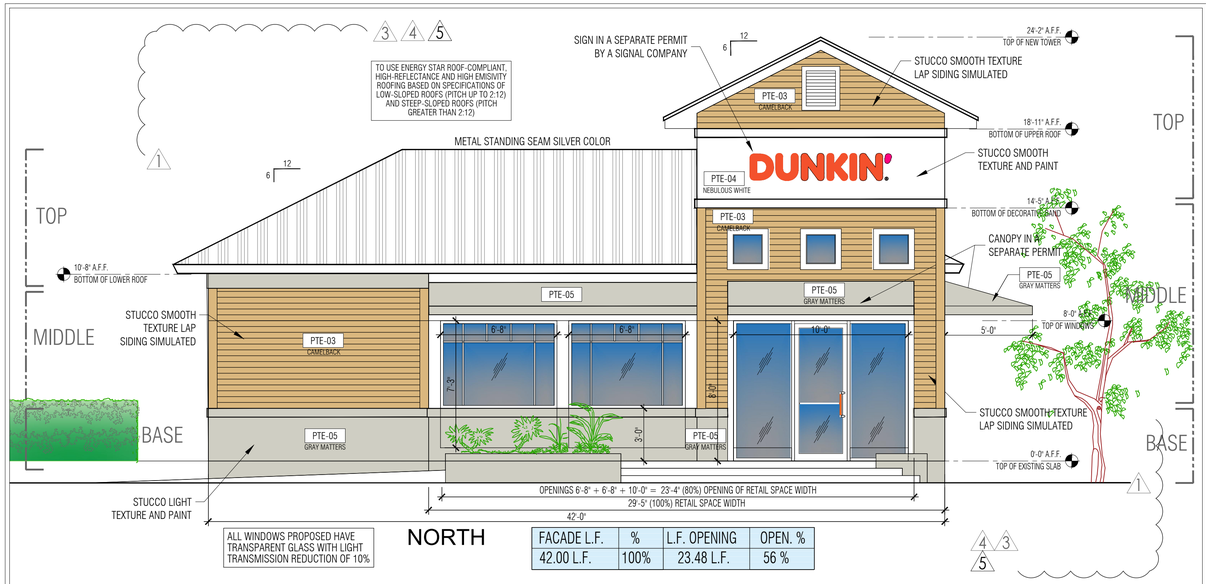
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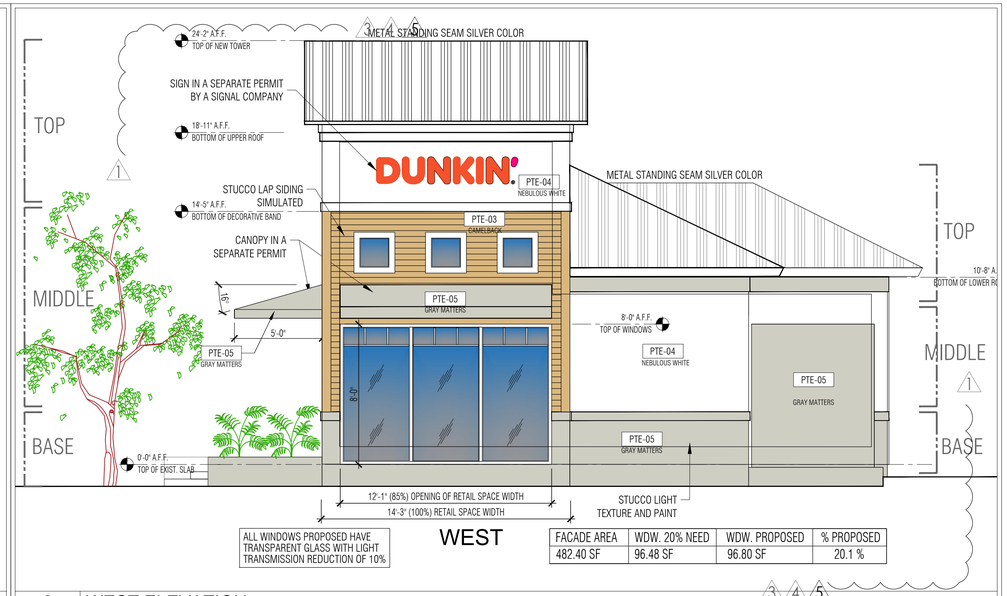
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A-4.0
ROOF PLAN



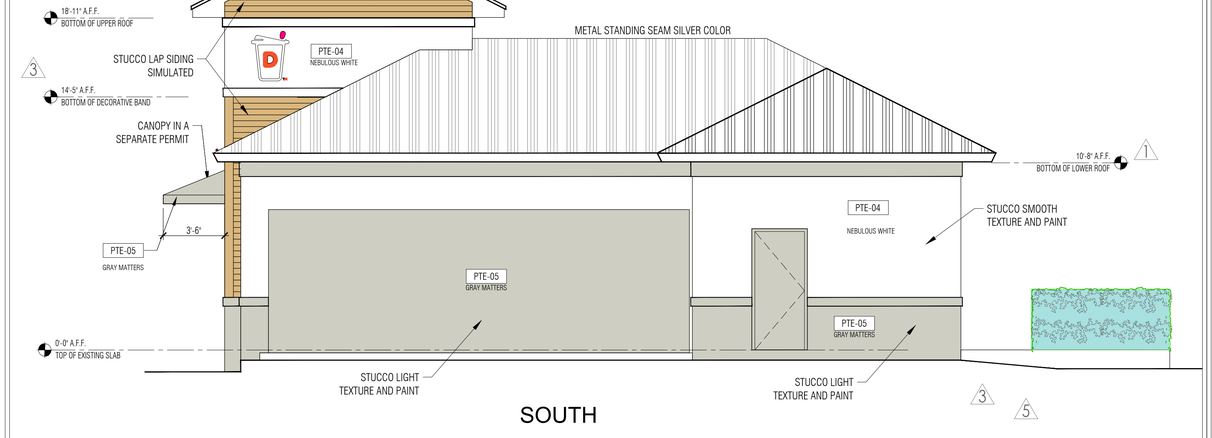
FACADE L.F.	%	L.F. OPENING	OPEN. %
42.00 L.F.	100%	23.48 L.F.	56 %

1 NORTH ELEVATION
1/4" = 1'-0" NOTE:

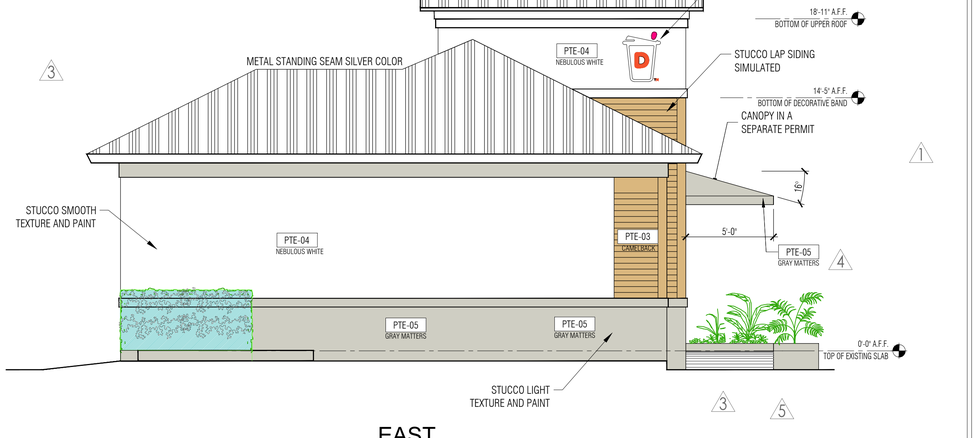


FACADE AREA	WDW. 20% NEED	WDW. PROPOSED	% PROPOSED
482.40 SF	96.48 SF	96.80 SF	20.1 %

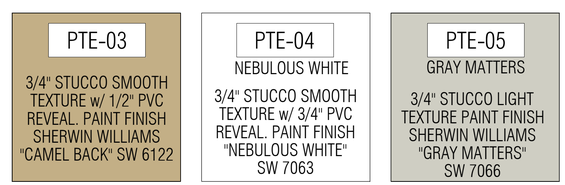
2 WEST ELEVATION
1/4" = 1'-0" NOTE:



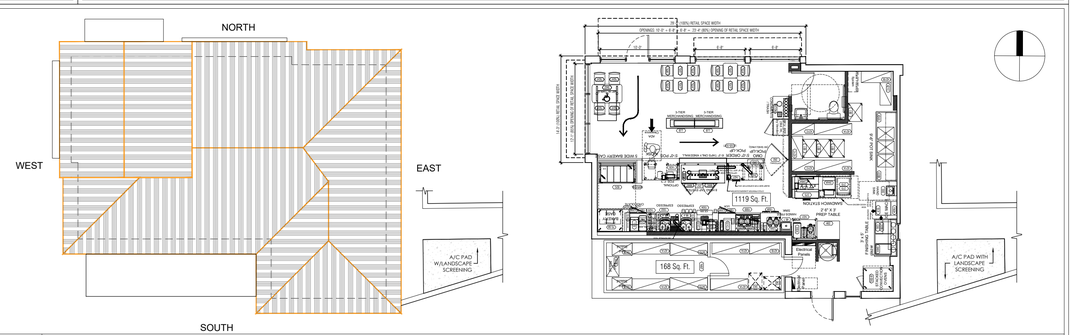
3 SOUTH ELEVATION
1/4" = 1'-0" NOTE:



4 EAST ELEVATION
1/4" = 1'-0" NOTE:



5 EXTERIOR FINISH
1/4" = 1'-0" NOTE:



6 KEY PLAN - ROOF PLAN AND FLOOR PLAN
NTS NOTE:
03.16.2026 - fm

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revisions:
1 09.30.2024 - fm BUILDING COMMENTS
2 11.21.2024 - fm BUILDING COMMENTS
3 08.20.2025 - fm BUILDING COMMENTS
4 11.05.2025 - fm ZONING COMMENTS
5 02.06.2026 - fm ZONING COMMENTS

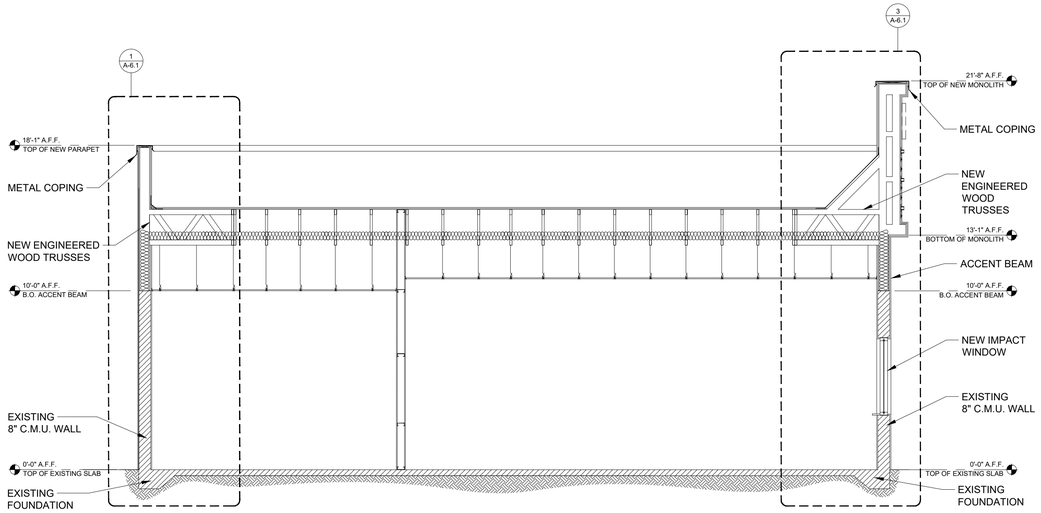
Drawn by: JA

date: 09.09.2024

project # : 230636

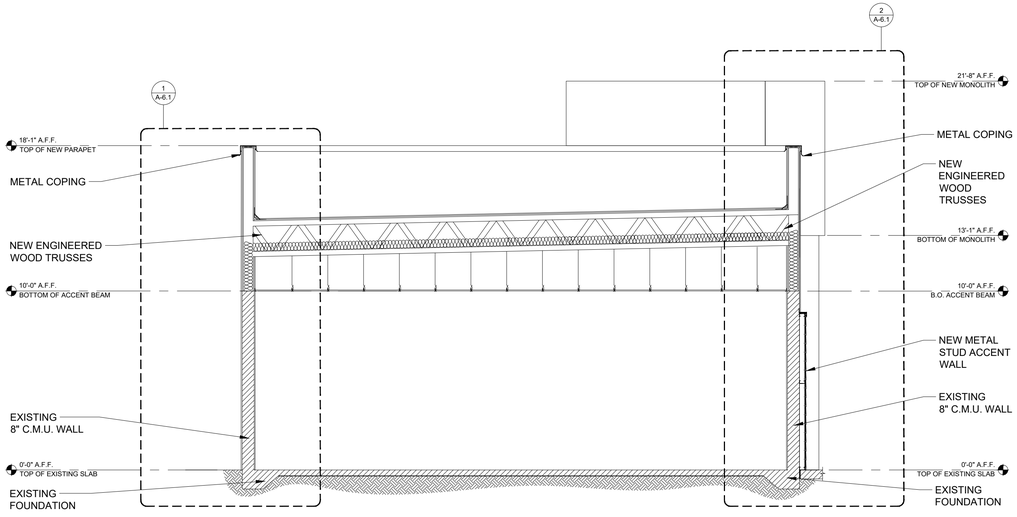
A-5.0

PROPOSED EXT. ELEVAT. COLOR



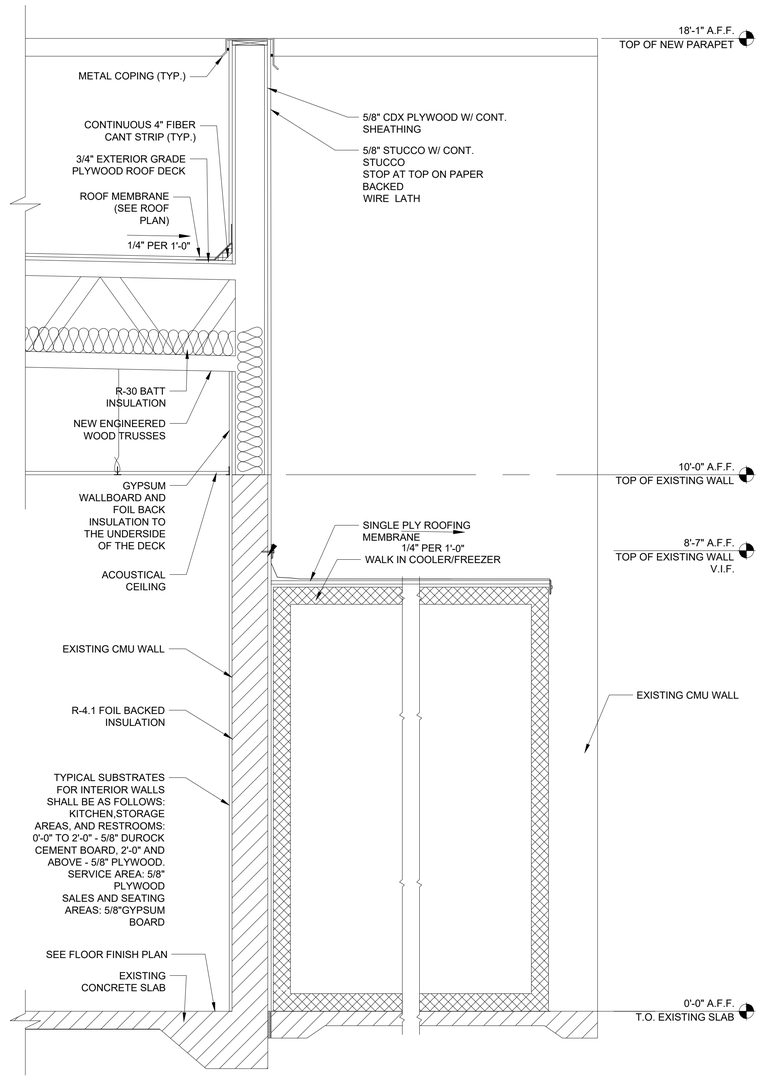
1 BUILDING SECTION

1/4" = 1'-0" NOTE:



2 BUILDING SECTION

1/4" = 1'-0" NOTE:



3 WALL SECTION

3/4" = 1'-0" NOTE:

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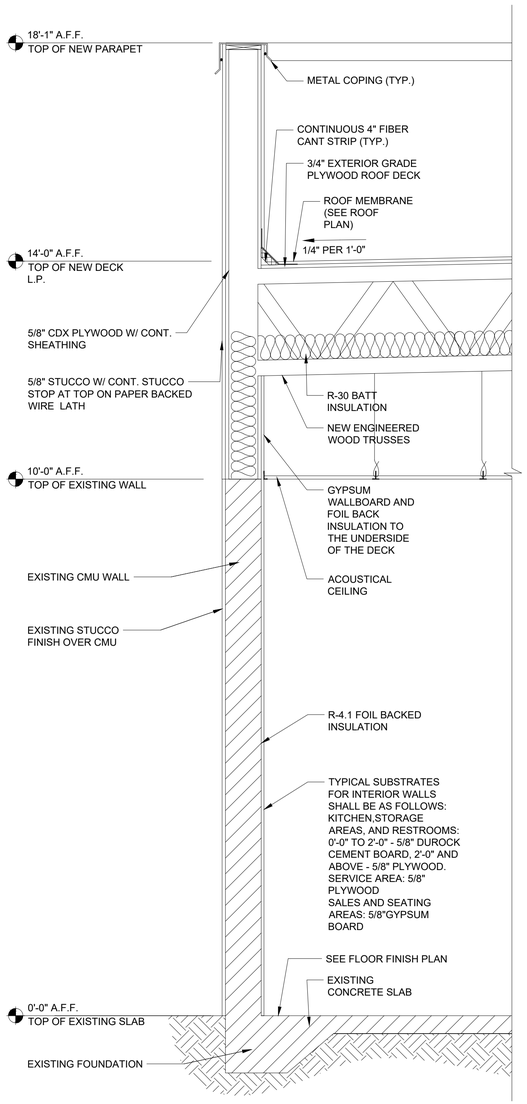
revisions:

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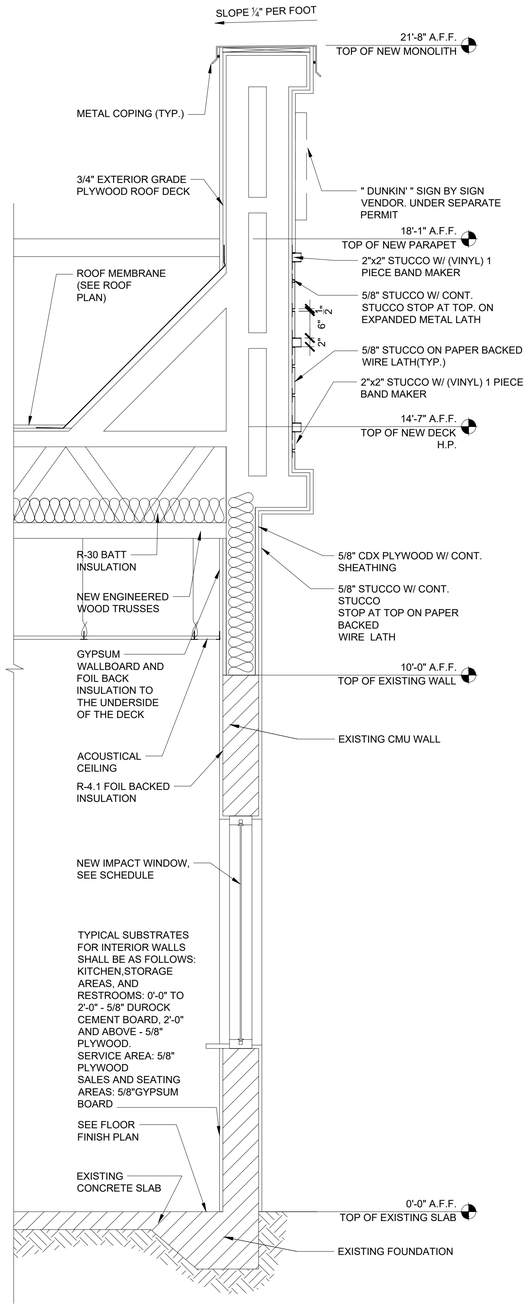
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A-6.0
SECTIONS

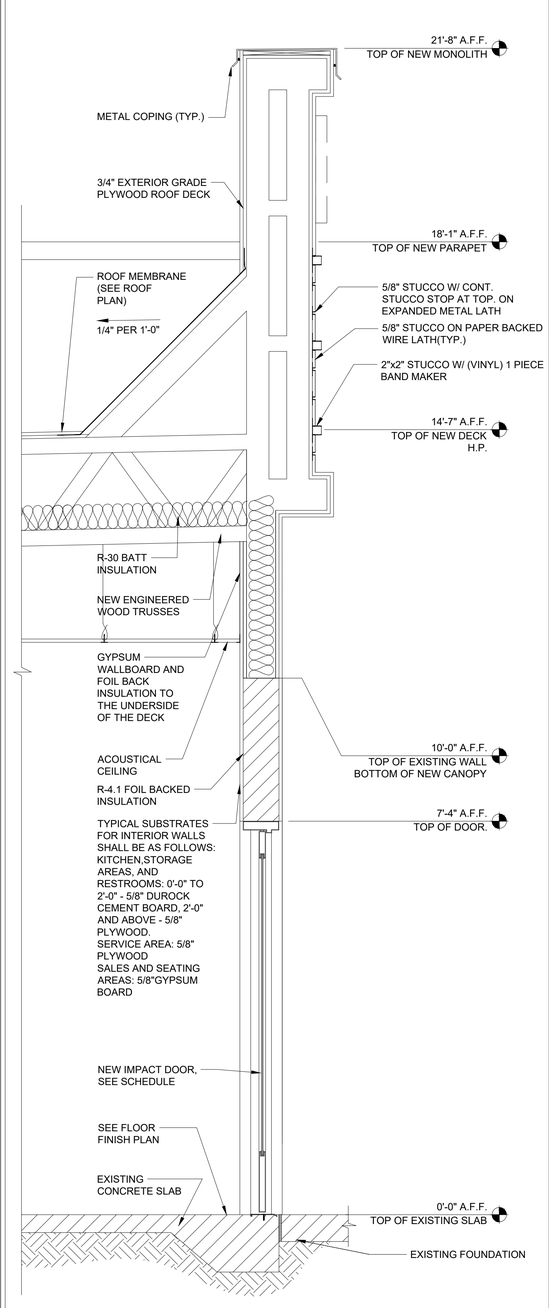


1 | WALL SECTION
3/4" = 1'-0" | NOTE:

2 | NOT USED
3/4" = 1'-0" | NOTE:



3 | WALL SECTION
3/4" = 1'-0" | NOTE:



4 | WALL SECTION
3/4" = 1'-0" | NOTE:

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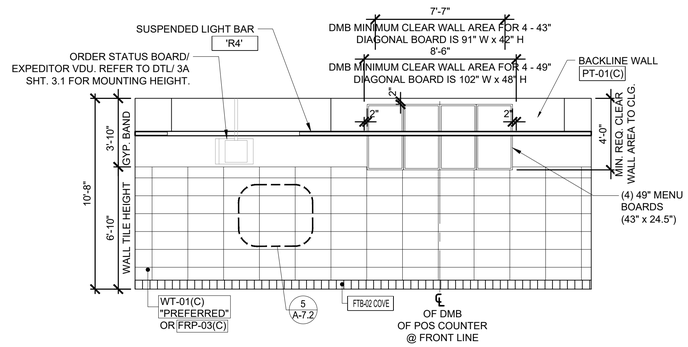
revisions:

Drawn by:
JA

date:
09.09.2024

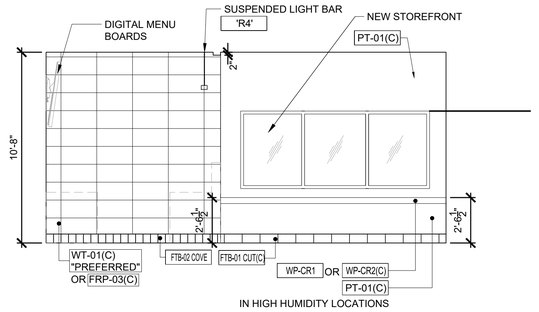
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A-6.1
WALL SECTIONS



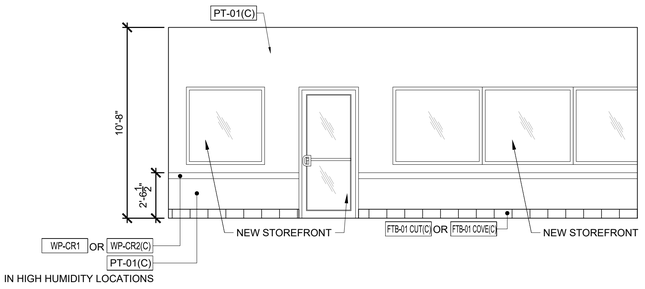
1 | INTERIOR ELEVATION AT SERVICE AREA

1/4" = 1'-0" | NOTE:



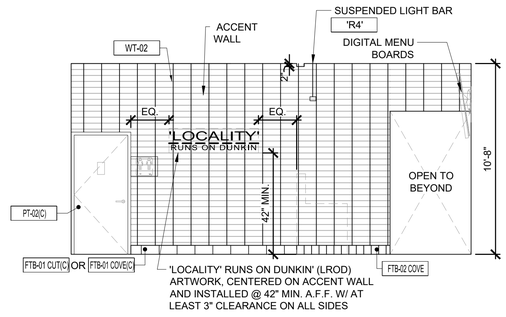
2 | ALTERNATE INTERIOR ELEVATION AT SERVICE AREA / SEATING AREA

1/4" = 1'-0" | NOTE:



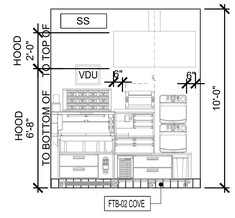
3 | PREFERED INTERIOR ELEVATION AT SEATING AREA

1/4" = 1'-0" | NOTE:



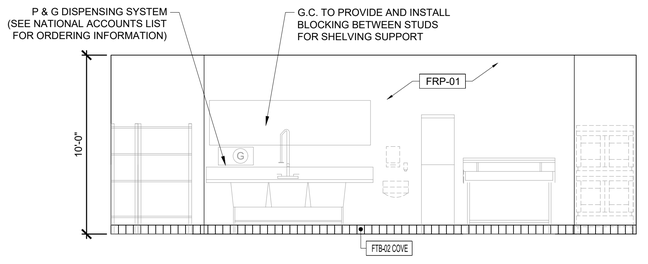
4 | INTERIOR ELEVATION AT SALES / SERVICE AREA

1/4" = 1'-0" | NOTE:



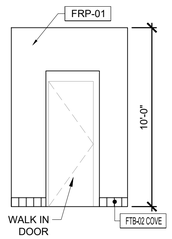
5 | INTERIOR ELEVATION AT SANDWICH STATION

1/4" = 1'-0" | NOTE:



6 | INTERIOR ELEVATION AT BACK OF THE HOUSE

1/4" = 1'-0" | NOTE:

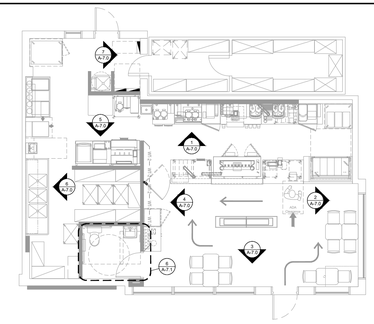


7 | INTERIOR ELEVATION AT WALK IN DOOR

1/4" = 1'-0" | NOTE:

8 | NOT USED

1/4" = 1'-0" | NOTE:



9 | KEY PLAN

N.T.S. | NOTE:

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date:
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project # :
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A-7.0

INTERIOR ELEVATIONS

1 NOT USED

1/4" = 1'-0" NOTE:

2 NOT USED

1/4" = 1'-0" NOTE:

KITCHEN AND STO. ACCESSORIES

1. 2 SOAP DISPENSERS - PROCTOR AND GAMBLE COMPANY - SEE NATIONAL ACCOUNT SOURCE INFO ON EXTRANET.
2. CHEMICAL DISPENSER - PROCTOR AND GAMBLE COMPANY - SEE NATIONAL ACCOUNT SOURCE INFO ON EXTRANET.
3. 7 SHELF STANDARDS - KNAPE & VOGT, 87 ANO-24 IN
4. 14 SHELF BRACKETS - KNAPE & VOGT, 187LL ANO-12 IN
5. 14 SHELF CLIPS - KNAPE AND VOGT, 214 BLK
6. PAPER TOWEL HOLDER - AMERICAN SPECIALTIES, INC., 0245SS

ADA NOTES:

THE GENERAL CONTRACTOR SHALL ACQUAINT HIMSELF WITH THE BARRIER FREE REQUIREMENTS FOR THE APPLICABLE STATES AND THE AMERICAN DISABILITIES ACT (ADA) AND SHALL ENSURE THAT THIS FACILITY WILL BE ACCESSIBLE ACCORDING TO THE STRICTER REQUIREMENTS OF THE APPLICABLE STANDARDS. THE FOLLOWING IS A PARTIAL LIST OF REQUIREMENTS.

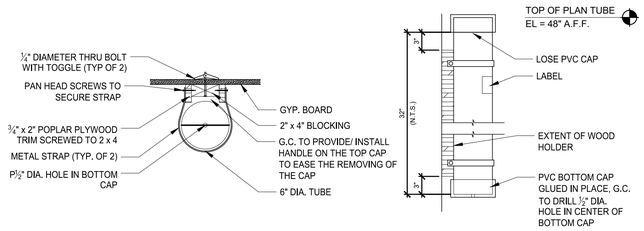
1. DOOR HARDWARE SHALL BE MOUNTED BETWEEN 36" AND 42" ABOVE FLOOR AND BE LEVER TYPE.
2. TOILETS:
   - A. LAVATORY TO HAVE LEVER HANDLES, SELF METERING FAUCETS OR SPRING FAUCET. FAUCETS SHALL BE SET TO REMAIN OPEN FOR 10 SECONDS MINIMUM.
   - B. A COAT HOOK 48" ABOVE THE FLOOR SHALL BE MOUNTED ADJACENT TO THE BARRIER FREE STALL DOOR.
   - C. LOCATE THE WATER CLOSET 16" TO 18" FROM THE CENTER LINE OF THE FIXTURE TO THE WALL. THE SEAT WILL BE 17" TO 19" ABOVE THE FLOOR TO THE TOP OF SEAT. FLUSH HANDLE TO BE ON EXPOSED SIDE OF WATER CLOSET.
   - D. PROVIDE ONE 42" AND ONE 36" LONG x 1 1/2" OUTSIDE DIAMETER PEENED GRAB BARS, 1 1/2" FROM THE WALL WITH ONE BEHIND AT 12" FROM CENTER LINE OF WATER CLOSET ON ONE SIDE. ONE ADJACENT TO AT 12" FROM THE WALL 33"-36" PARALLEL TO AND ABOVE THE FLOOR.
   - E. LAVATORY TO BE MOUNTED 34" MAX. ABOVE THE FINISHED FLOOR TO RIM WITH KNEE SPACE OF 30" IN WIDTH AND 27" IN CLEAR HEIGHT. (29" CLEAR UNDER FRONT EDGE)
   - F. INSTALL MIRROR 40" MAX. ABOVE THE FINISHED FLOOR TO BOTTOM EDGE OF REFLECTING SURFACE (MIRROR GLASS BOTTOM) AND 72" TO TOP.
   - G. DISPENSERS TO BE MOUNTED A MAXIMUM OF 42" ABOVE THE FLOOR TO ALL OPERATING OR DISPENSING SLOTS.
   - H. TOILET PAPER DISPENSERS MOUNTED 19" MIN. TO CENTER LINE ABOVE THE FLOOR AND 7" MINIMUM AND 9" MAXIMUM FROM FRONT EDGE OF WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER

3 NOT USED

1/4" = 1'-0" NOTE:

4 PLAN TUBE DETAILS

1" = 1'-0" NOTE:



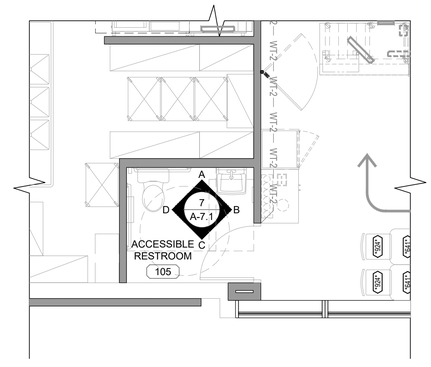
NOTES:
1. UPON COMPLETION OF PROJECT, G.C. PROVIDE A COMPLETE AS-BUILT SET OF DRAWINGS FOR THE COMPLETED STORE (ARCHITECTURAL, MECHANICAL AND ELECTRICAL) AND PLACE DRAWINGS INTO THE PLAN TUBE HOLDER
2. G.C. MUST PROVIDE AND ATTACH A LABEL (WITH CLEAR TAPE) STATING: THIS TUBE CONTAINS STORE DRAWINGS AND IS NOT TO BE REMOVED WITHOUT THE CONSENT OF THE FRANCHISEE.
3. ENTIRE ASSEMBLY IS CONSTRUCTED BY G.C. IN FIELD. G.C. TO PAINT BLOCKING TO MATCH WALL

5 NOT USED

1/4" = 1'-0" NOTE:

6 RESTROOM PLAN

1/4" = 1'-0" NOTE:



RESTROOM EQUIPMENT SCHEDULE

CODE	ITEM	MANUFACTURER & PRODUCT #	MOUNTING HEIGHT	REMARKS
1	GRAB BARS	ASI 3701-18P (18"), -36P (36") & -42P (42")	36" MAX. A.F.F.	NOTE C
2	SWING-UP GRAB BAR	BOBRICK #B-4998.99	SEE INSTALLATION INSTRUCTIONS	NOTE C, INSTALL WHEN REQUIRED
3	TOILET PAPER HOLDER	KC PROFESSIONAL 09551	20" BOT OF UNIT, SURFACE MOUNTED	
4	COAT HOOK	ASI 0751	48" A.F.F. , MOUNTED ON DOOR	
5	SOAP DISPENSER	DERMA FOAM E- KAY CHEMICAL COMPANY		NOTE A, C
6	AUTOMATIC HAND DRYER	"WORLD VERDIDRI" Q974-A - WHITE OR Q973-A - STAINLESS OR "EXCEL" XLERATOR THIN AIR TA-SI WG - WHITE OR TA-SI WG - STAINLESS		NOTE A, C & E
7	HAND DRYER WALL GUARD	WORLD	-	NOTE F
8	MIRROR (18"x30")	ASI 0620-2436	40" A.F.F. TO BOTTOM	NOTE C
9	TRASH RECEPTACLE	ASI 0458	41"-45" A.F.F. TO OPENING FOR ADA	
10	BABY CHANGING STATION	ASI 9012 HORIZONTAL OR ASI 9015 VERTICAL	27" TO BOTTOM OF UNIT	NOTE C
11	SANITARY NAPKIN DISPOSAL	ASI 0852	24" TO TOP OF UNIT	WOMEN'S RESTROOM ONLY
12	SEAT COVER DISPENSER (OPTIONAL)	ASI 0477 SM		(OPTIONAL)
13	WALL SHELF	ASI 0692-516 (5"x16")	42" A.F.F. FOR ADA; NOTE C	(OPTIONAL)

NOTES

NOTE A: OPERATING CONTROLS OF ALL HAND DRYERS, SOAP DISPENSERS AND MULTI PURPOSE UNITS TO BE 42" A.F.F.

NOTE B: G.C. TO FIELD VERIFY ALL SIZES

NOTE C: PROVIDE BLOCKING FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES

NOTE D: TOILET TISSUE & PAPER TOWEL DISPENSERS SUPPLIED FREE FROM LOCAL DCP; INSTALLED BY G.C.

NOTE E: HAND DRYER TO BE ORDERED FROM NATIONAL ACCOUNT SUPPLIER AND IS REQUIRED TO HAVE STANDARD DBI GREEN MESSAGING/BRANDING.

NOTE F: AVAILABLE WITH HAND DRYER; CAN BE PURCHASED SEPARATELY (FOR REMODELS).

RESTROOM EQUIPMENT LIST

ALTERNATE HANDS-FREE TOILET EQUIPMENT IS AVAILABLE FOR OPTIONAL USE IN RESTROOMS

WALL MOUNTED LAVATORY: "LUCERNE" BY AMERICAN STANDARD #0355.012.
AUTOMATIC FAUCET (STANDARD): SLOAN #ETF-600-B-BDT, W/ TRANSFORMER #EL-154 AND 0.5 GPM AERATOR #ETEF-1024-A

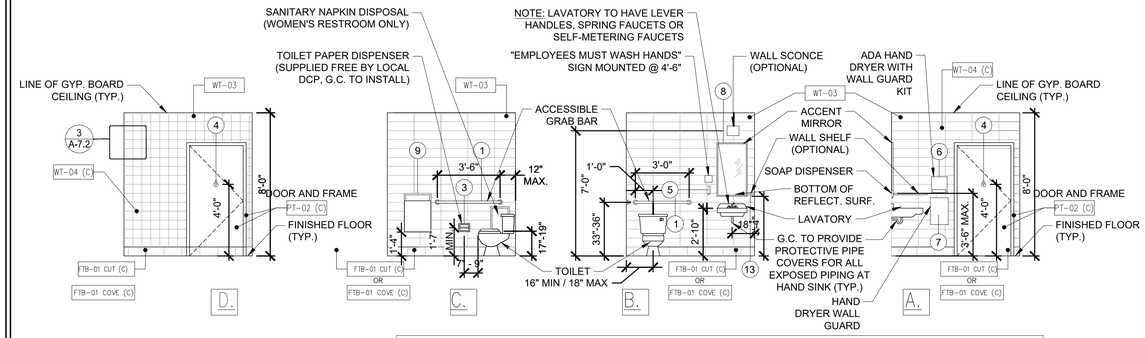
TANK TOILET (STANDARD):
STANDARD OPTION: AMERICAN STANDARD CADET PRO RIGHTHEIGHT ELONGATED 1.28 GPF #215AA.104 (LEFT TRIP) #215AA.105 (RIGHT TRIP)
PRESSURE-ASSIST OPTION: AMERICAN STANDARD CADET FLOWISE WIGHTHEIGHT ELONGATED, PRESSURE ASSIST 1.1 GPF #2467.00 (LEFT TRIP) #2467.XXX (SPECIFY RIGHT TRIP)

TANKLESS TOILET (OPTIONAL):
AMERICAN STANDARD MADERA FLOWISE ELONGATED, 1.28 GPF #3043.001
MANUAL FLUSH (STANDARD): SLOAN REGAL 111.1.28 (3780046) FLUSHOMETER
AUTOMATIC FLUSH (OPTIONAL): SLOAN 8111-1.28 (3790071) EXPOSED, BATTERY POWERED, SENSOR ACTIVATED DUAL FLUSH FLUSHOMETER

URINAL:
AMERICAN STANDARD WASHBROOK FLOWISE 0.5 GPF HIGH EFFICIENCY URINAL #6590.001
MANUAL FLUSH (STANDARD): SLOAN 186-0.5 (3782655) REGAL 186-1
AUTOMATIC FLUSH (OPTIONAL): SLOAN 8186-0.5 (3790068) TOUCHFREE OPERATION, METAL COVER, OVERRIDE BUTTON & FLUSHO METER BODY LESS HANGLE OPENNER.
WATERLESS' URINAL (OPTIONAL - DO ELITE):
SLOAN WATERFREE URINAL WITH SLOANTEC GLAZE WES-4000-STG (1074000)

1. LOW FLOW PLUMBING FIXTURES MUST MEET FLUSH/FLOW FIXTURE VOLUMES STANDARDS OF 1.28 GPF TOILETS, 0.5 GPF URINALS, 0.5 GPM HAND WASH FAUCETS, AND 2.2 GPM POT SINK FAUCET (BY OTHERS) WITH 1.24 GPM SPRAY HEAD (BY OTHERS)
2. G.C. TO PROVIDE PRICING FOR STANDARD EQUIPMENT UNLESS DIRECTED OTHERWISE BY FRANCHISEE.

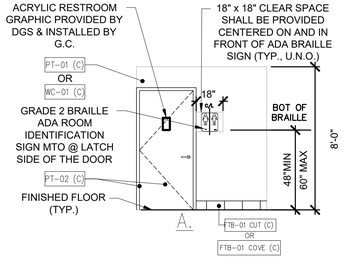
VENDOR CONTACT INFO FOR RESTROOM FIXTURES AND ACCESSORIES	RESTROOM REMODELS 15 HAMMATT ST. - PO BOX 34 IPSWICH, MA 01938 PHONE: 617-500-2554 / FAX: 617-845-0350 WWW.RESTROOMREMODELS.COM SALES@RESTROOMREMODELS.COM	NEWTON DISTRIBUTORS, VENDOR CONTACT: PEDRO GRULLON P: 877-837-7745 E: PEDRO@NEWTONDISTRIBUTING.COM WWW.NEWTONDISTRIBUTING.COM

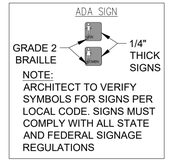


NOTES:
- REFER TO RESTROOM EQUIPMENT SCHEDULE ON THIS SHEET FOR FIXTURE/ ACCESSORIES INFORMATION.
- IT IS THE RESPONSIBILITY OF THE ARCHITECT TO PROVIDE VERTICAL GRAB IN COMPLIANCE TO ALL CODES AND REGULATIONS
- IT IS THE RESPONSIBILITY OF THE ARCHITECT TO PLACE THE WALL SHELF IN COMPLIANCE TO ALL CODES AND REGULATIONS.
- FTB-01 CUT & WT-04 MATERIALS VARY BETWEEN COOL PALETTE & WARM PALETTE.

7 INTERIOR ELEATION AT ACCESSIBLE RESTROOM

1/4" = 1'-0" NOTE:





8 INTERIOR ELEVATION AT ALCOVE

1/4" = 1'-0" NOTE:

▪ development inc
architecture
VENTURA
michael a. ventura
13762 W St. Rd. 84 #320
davie, florida 33325
phone : (954) 423-1362
ventura-architecture.com
AA0003123
STATE OF FLORIDA MICHAEL VENTURA AR0016152 REGISTERED ARCHITECT
AR0016152

DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

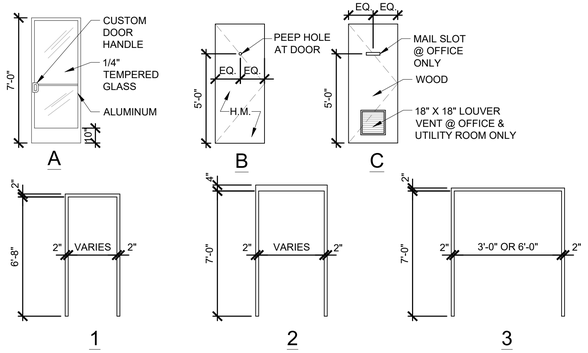
Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

A-7.1

INTERIOR DETAILS



1 DOOR AND OPENING FRAME TYPES

1/4" = 1'-0" NOTE:

DOOR SCHEDULE

NO.	DOOR DATA				FINISH	FRAME DATA		FINISH	NOTES
	LOCATION	SIZE	MATERIAL	TYPE	INT/EXT	MATERIAL	TYPE	INT/EXT	
101	ENTRANCE	3'-0" X 7'-0" X 1 3/4"	ALUM/GL	A	FACT	ALUM	3	FACT	1 AND 4
102	SERVICE	3'-2" X 7'-0" X 1 3/4"	H.M.	B	PTE-02	H.M.	2	PTE-02	3 AND 4
103	ACCESSIBLE RESTROOM	3'-0" X 6'-8" X 1 3/4"	WOOD	C	P-02	H.M.	1	P-2	2 AND 4

NOTES

1. PROVIDE 1" INSULATED & TEMPERED GLASS; FRAME TO MATCH STOREFRONT COLOR
2. UNDERCUT DOOR 1"
3. PROVIDE 190 DEGREE DOOR VIEWER CENTERED IN DOOR @ 5'-0" A.F.F.- MODEL SSVLAB FROM DAVSTAR SECURITY
4. REFER TO DUNKIN BRANDS MASTER HARDWARE SCHEDULE FOR ALL DOORS.
5. PROVIDE LOUVERED VENT @ EACH DOOR FOR UTILITY ROOM AND OFFICE. REFER TO LOCAL CODES FOR FIRE RATING OF DOORS
6. ADD DOUBLE-ACTING ELIASON DOOR TO SEPARATE SERVICE AREA FROM PREP AREA WHEN APPLICABLE (NOT SHOWN ON PLAN); REFER TO NATIONAL ACCOUNTS FOR CONTACT INFO, DOOR TO BE LAMINATED ON BOTH SIDS. FORMICA #837-58 "GRAPHITE" HPL, 12" STAINLESS STEEL BASE PLATES ON BOTH SIDES AND 9"x30" ACRYLIC WINDOW UP 54 1/4" TO CENTER.

ROOM FINISH SCHEDULE (COOL PALETTE)

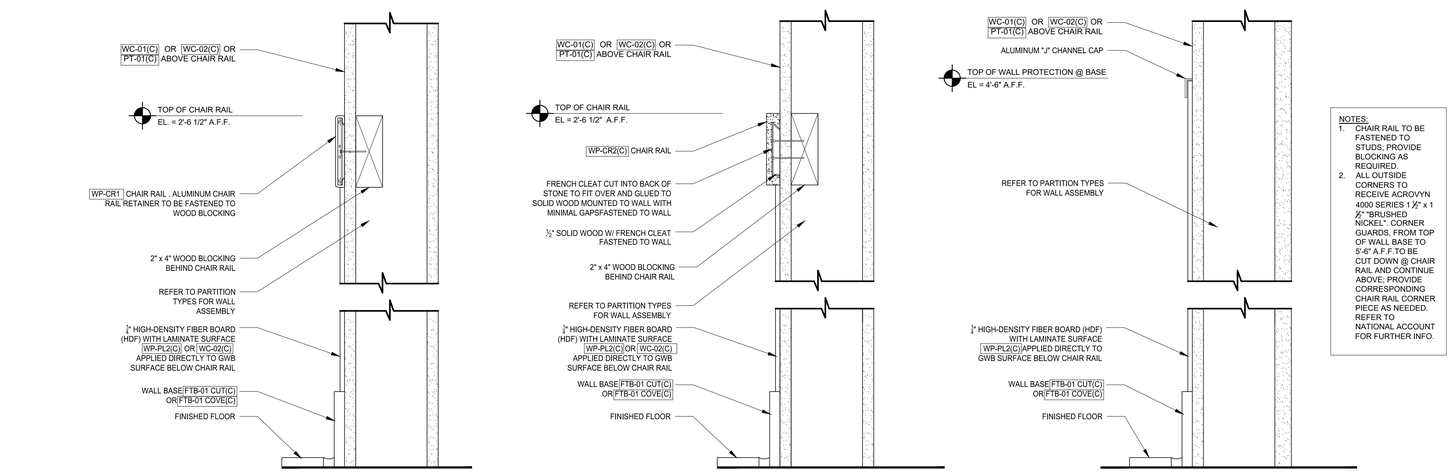
NO.	ROOM NAME	FLOOR CODE	BASE CODE	WALL CODE	CEILING CODE	NOTES
101	SALES AREA	FT-01 (C)/ PT-02(C)	NOTE #5	NOTE #1	CT-02/PT-03(C)	1,3,4,5
102	SEATING AREA	FT-01 (C)/ PT-02(C)	NOTE #5	NOTE #1	CT-02/PT-03(C)	1,3,4,5
104	SERVICE AREA	FT-02	NOTE #5	NOTE #1	CT-03/PT-03(C)	1,3,4,5
105	ACCESSIBLE RESTROOM	FT-01 (C)	NOTE #5	NOTE #1	PT-03(C)	1,2,3,4,5
108	PREP./STORAGE AREA	FT-02	NOTE #5	FRP-01	CT-03	3,4,5

NOTES

1. REFER TO INTERIOR ELEVATIONS FOR PROPER WALL FINISHES IN DESIGNATED AREA
2. SEE INTERIOR ELEVATIONS FOR DOOR FINISHES
3. PROVIDE ALUMINUM CORNER GUARDS AT ALL OUTSIDE CORNERS OF WALLS, SEE FLOOR PLAN FOR LOCATIONS
4. G.C. TO VERIFY ALL FINISHES WITH DBI CM PRIOR TO ORDERING MATERIALS.
5. REFER TO FINISH FLOOR PLAN FOR WALL BASE OPTIONS

MASTER HARDWARE SCHEDULE

SET No.	LOCATION	HARDWARE	MODEL #	MANUFACTURER	REMARKS
1	VESTIBULE	TEMPORARY CYLINDER	3901 OR 3902 AS REQUIRED	HAGER	
		DOOR CLOSER	5200 MLT 1-6 DLY ALM	HAGER	
		OFFSET PIVOTS		HAGER	
		DEADLOCK	MS 1850A	ADAMS RITE	
		"D" DOOR HANDLE	CUSTOM	HEALY FOUNDRY	SEE ELEVATIONS & NATIONAL ACCOUNTS
		THRESHOLD	404S MIL 1/2" X 4"	HAGER	
2	SERVICE	FLOOR STOP	252F US26D	HAGER	ALL ADDITIONAL HARDWARE INCL. WITH
3	OFFICE	HINGES	1279 US26D	HAGER	
		SPRING HINGES	1250 US26D	HAGER	
		LOCKSET	3480 WTN US26D	HAGER	
		LETTER SLOT	626 PA28	IVES	
		SLEEVE	600	IVES	
		FLOOR STOP	241F US26D	HAGER	
4	HALL/ALCOVE	HINGES	1279 US26D	HAGER	
		SPRING HINGES	1250 US26D	HAGER	
		LOCKSET	3470 WTN US26D	HAGER	
		FLOOR STOP	241F US26D	HAGER	
		DOOR VIEWER	1756 US26D	HAGER	
5	RESTROOM	1-1/2 PAIR BUTT HINGES	BB-1279 26D	HAGER	
		LOCKSET	3440 WTN US26D	HAGER	
		FLOOR STOP	241 F US26D	HAGER	
		KICK PLATE	214S Black 10" x 2" L.W.O. D.	HAGER	
		DOOR CLOSER	5200 MLT 1-4 ALM	HAGER	
6	REAR	HINGES	BB1191 32D	HAGER	
		LOCKSET	3495 WTN US26D	HAGER	
		DOOR CLOSER	5400 PA 2-5 HDHOS ALM	HAGER	
		THRESHOLD	413S MIL	HAGER	
		SWEEP	802S B Mil	HAGER	
		HOLDER/STOP	268S US26D	HAGER	
		WEATHER STRIPPING	800S B MIL	HAGER	
		LOCK GUARD	341 D 32D	HAGER	
		DOOR VIEWER	1756 US26D	HAGER	ALTERNATIVE: MODEL # L-VGLF-WD, 9" x 5", NATIONAL GUARD PRODUCTS
7	UTILITY ROOM	HINGES	BB-1279 26D	HAGER	
		LOCKSET	3410 WTN US26D	HAGER	
		FLUSH BOLTS	282D US26D	HAGER	

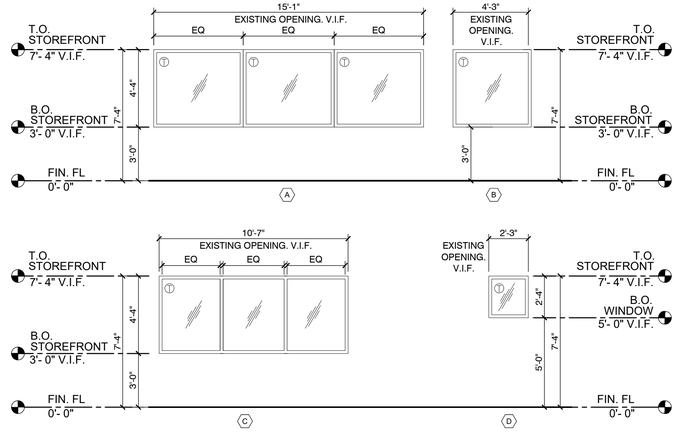


NOTES:
1. CHAIR RAIL TO BE FASTENED TO STUDS; PROVIDE BLOCKING AS REQUIRED.
2. ALL OUTSIDE CORNERS TO RECEIVE ACROVYN 4000 SERIES 1 ½" x 1 ½" "BRUSHED NICKEL" CORNER GUARDS, FROM TOP OF WALL BASE TO 5'-6" A.F.F.TO BE CUT DOWN @ CHAIR RAIL AND CONTINUE ABOVE; PROVIDE CORRESPONDING CHAIR RAIL CORNER PIECE AS NEEDED. REFER TO NATIONAL ACCOUNT FOR FURTHER INFO.

2 WALL PROTECTION OPTIONS AND DETAILS - COOL PALETTE

3" = 1'-0" NOTE:

WINDOW SCHEDULE REFER TO ELEVATION FOR SIZES							
#	LOCATION	WINDOW			FRAME		REMARKS
		SIZE (W x H)	MAT.	FINISH	MAT.	FINISH	
A	ENTRY STOREFRONT	15'-1"x4'-4"	ALUM/GL	ANOD./CLR			IMPACT - PRODUCT APPROVALS BY G.C.
B	STOREFRONT	4'-3"x4'-4"	ALUM/GL	ANOD./CLR			IMPACT - PRODUCT APPROVALS BY G.C.
C	SIDE STOREFRONT	10'-7"x6'-0"	ALUM/GL	ANOD./CLR			IMPACT - PRODUCT APPROVALS BY G.C.
D	BACK WINDOW	2'-3"x2'-4"	ALUM/GL	ANOD./CLR			IMPACT - PRODUCT APPROVALS BY G.C.



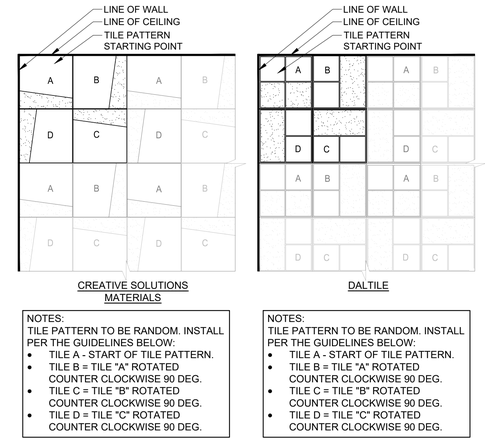
TEMPERED IMPACT RESISTING GLAZING TO COMPLY WITH FLORIDA BUILDING CODE

NOTE:

CONTRACTOR TO VERIFY ROUGH OPENING SIZES PRIOR TO ORDERING DOORS AND WINDOWS, NOTIFY ARCHITECT OF ANY DISCREPANCIES,

4 WINDOW SCHEDULE

1/4" = 1'-0" NOTE:

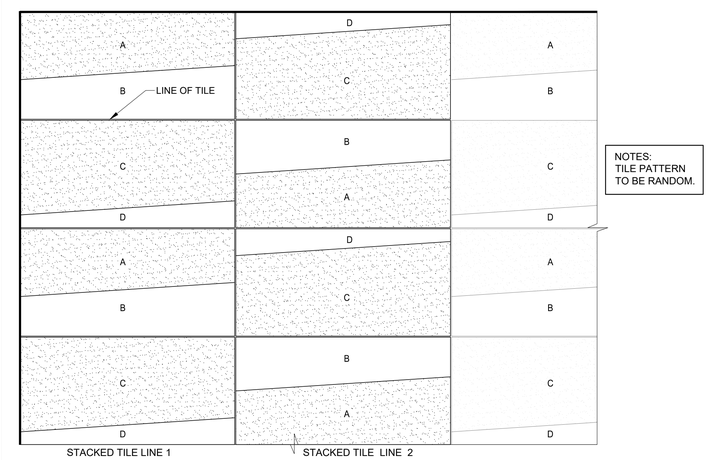


NOTES:
TILE PATTERN TO BE RANDOM. INSTALL PER THE GUIDELINES BELOW:
- TILE A - START OF TILE PATTERN.
- TILE B = TILE "A" ROTATED COUNTER CLOCKWISE 90 DEG.
- TILE C = TILE "B" ROTATED COUNTER CLOCKWISE 90 DEG.
- TILE D = TILE "C" ROTATED COUNTER CLOCKWISE 90 DEG.

NOTES:
TILE PATTERN TO BE RANDOM. INSTALL PER THE GUIDELINES BELOW:
- TILE A - START OF TILE PATTERN.
- TILE B = TILE "A" ROTATED COUNTER CLOCKWISE 90 DEG.
- TILE C = TILE "B" ROTATED COUNTER CLOCKWISE 90 DEG.
- TILE D = TILE "C" ROTATED COUNTER CLOCKWISE 90 DEG.

3 ACCENT WALL TILE INSTALL. PATT. @ REST-RM

1 1/2" = 1'-0" NOTE:



NOTES:
TILE PATTERN TO BE RANDOM.

5 WALL TILE INSTALLATION PATTERN @ BACKLINE/ SERVICE AREA

1 1/2" = 1'-0" NOTE:

▪ development inc
architecture
VENTURA
michael a. ventura
13762 W St. Rd. 84 #320
davie, florida 33325
phone : (954) 423-1362
ventura-architecture.com
A A 0 0 0 3 1 2 3
STATE OF FLORIDA MICHAEL VENTURA REGISTERED ARCHITECT AR0016152
A R 0 0 1 6 1 5 2

DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

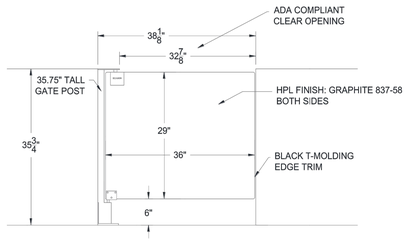
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SCHEDULES AND DETAILS

5	NOT USED
N.T.S.	NOTE:

DUNKIN' BRANDS

Door Model: ELIASON® ***Easy Swing*® SCP CAFÉ WITH GATE POST** for 38.125" X 35.75" Opening Size
Date: 11-13-2017
Customer Specific Item # Reference: SCPCF-LH38DD4 (SHOWN)
SCPCF-RH38DD4 (OPPOSITE)
PRICE: $362 (SHIPPING ADDITIONAL)



DRAWING SHOWN FROM THE FRONT SIDE (THE SIDE THE CUSTOMER WOULD SEE)


FRONT SIDE


BACK SIDE

APPROVED BY: _____ **DATE:** _____

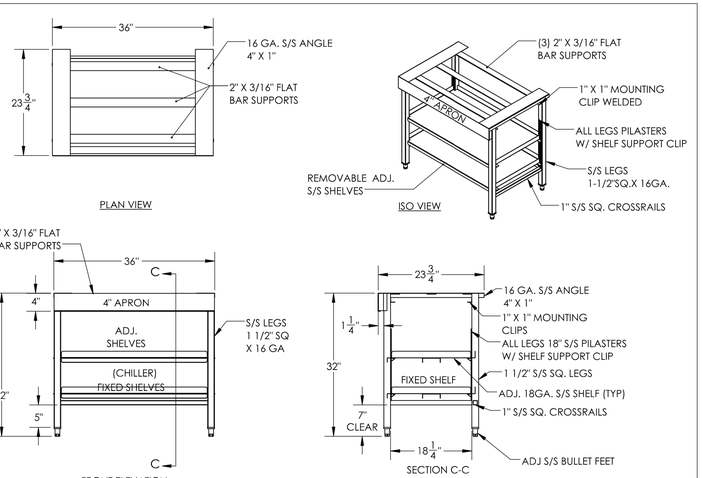
Eliason Corporation ***Easy Swing*®** Impact Doors
Phone: 269-327-7003 / 800-828-3655
Fax: 269-327-7006 / 800-828-3577
Website: www.eliasoncorp.com

INTERNAL USE ONLY: (CUSTOMER SERVICE - ENGINEERING NOTIFICATION)

	NO ACTION REQUIRED (WITH DOORS AS SHOWN)
X	SELECT "ENGINEERING SUPPORT REQUIRED" OPTION ON THE QUOTE, CONTACT ENGINEERING BEFORE QUOTE IS CONVERTED
	DRAWING # EXISTS (#####), ENTER # IN THE ORDER SPECIFIC DRAWING FIELD (IN THE "TRAFFIC DOOR" TAB)

3	SWING GATE DETAILS
NTS	NOTE:

4	NOT USED
N.T.S.	NOTE:



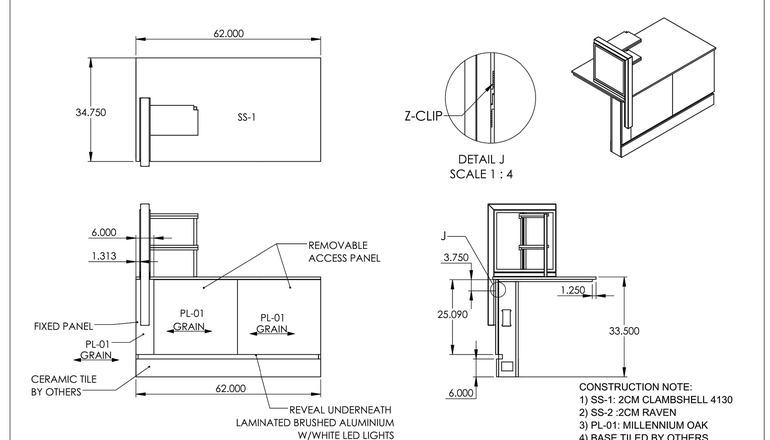
DRG. NO #:	HOS	STAINLESS CONTROL SPECIFICATIONS	DRAWN BY: HI-TECH
LOCATION:*			DATE: 19-07-2019
STORE #: *			SCALE: NTS
QualServ Exceeding Expectations	7400 SOUTH 28th STREET FORT SMITH, AR 72908 PH. 800-643-2980 FAX. 479-646-5517	F-L HANDOFF TABLE 36"W X 23-3/4" F/L HANDOFF TABLE	PAGE: 1 OF 1

REV	DESCRIPTION	DATE	DRAFTER
1	*	*	*

9/23/2019

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DRAWING FILE LOCATION: I:\.DUNKIN\2019\STORE\DUNKIN NEW SPEC DRAWINGS\WOOD\DDNGHNDOFFKW62_DDNGHNDOFFKW62
MODEL FILE LOCATION: I:\.DUNKIN\2019\STORE\DUNKIN NEW SPEC DRAWINGS\WOOD\DDNGHNDOFFKW62_DDNGHNDOFFKW62

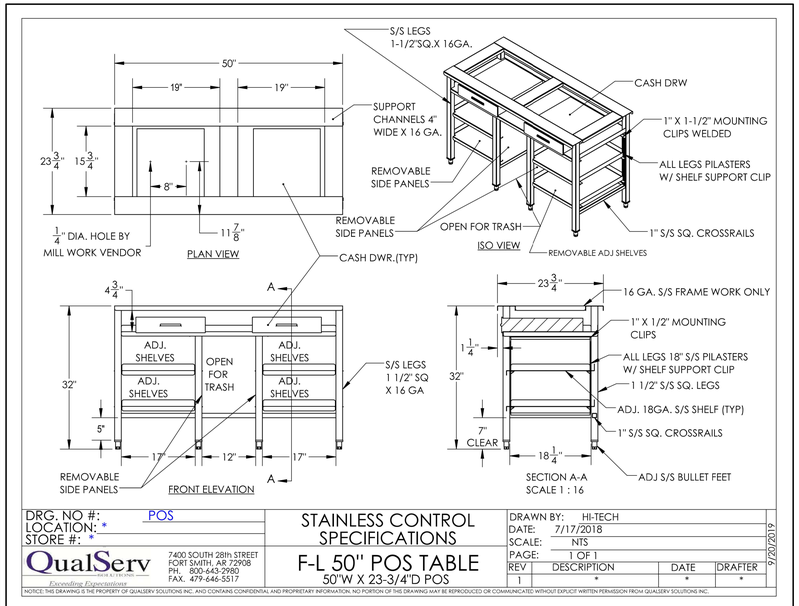


LOCATION:*	DUNKIN DONUTS	NOTICE: THIS DRAWING IS THE PROPERTY OF QUALSERV SOLUTIONS INC. AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. NO PORTION OF THIS DRAWING MAY BE REPRODUCED OR COMMUNICATED WITHOUT EXPLICIT WRITTEN PERMISSION FROM QUALSERV SOLUTIONS INC.	DRAWN DATE: 5/8/2019
SO#:*			MODELED BY:HI-TECH
TOLERANCES: (UNLESS OTHER-WISE NOTED) FRACTIONS: ± 1/16" DECIMAL: ± 0.01"	DDNGHNDOFFKW62		DRAWN BY: HI-TECH
	NEXTGEN HANDOFF CTR 62"		CHECKED BY: sanjiv
	SHEET VIEW/PART DESCRIPTION		APPROVED BY: D.WADE
QualServ Exceeding Expectations 7400 SOUTH 28th STREET FORT SMITH, AR 72908 PH. 800-643-2980 FAX. 479-646-5517	STORE#:* SCALE =1:20 PAGE: 3 OF 13		DWG LSB:arpit.tailor
			MODEL LSB:arpit.tailor

REVISIONS					
REV.	DESCRIPTION	ECN	DATE	INITIALS	
1	*	*	*	*	
2	*	*	*	*	
3	*	*	*	*	
4	*	*	*	*	

DATE: 08-05-2019

2	HAND-OFF STATION DETAILS
NTS	NOTE:



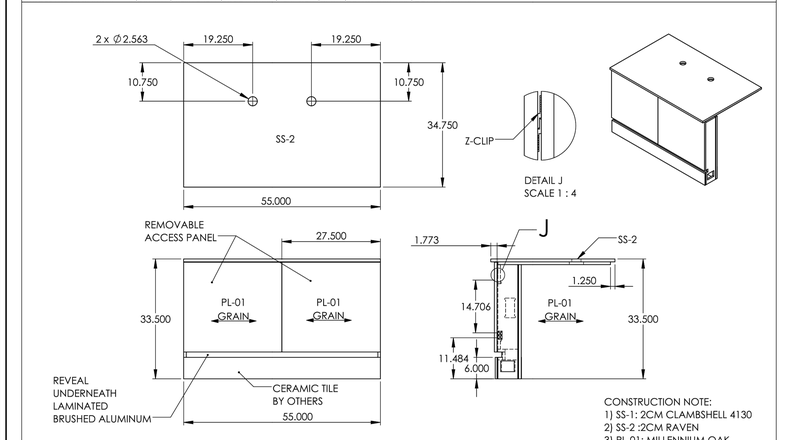
DRG. NO #:	POS	STAINLESS CONTROL SPECIFICATIONS	DRAWN BY: HI-TECH
LOCATION: *			DATE: 7/17/2018
STORE #: *			SCALE: NTS
QualServ Exceeding Expectations	7400 SOUTH 28th STREET FORT SMITH, AR 72908 PH. 800-643-2980 FAX. 479-646-5517	F-L 50" POS TABLE 50"W X 23-3/4"D POS	PAGE: 1 OF 1

REV	DESCRIPTION	DATE	DRAFTER
1	*	*	*

9/20/2019

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DRAWING FILE LOCATION: I:\.DUNKIN\FRESH BREW\SOLIDWORKS\NEXT GEN\CASH\DDNGPOSKW55_DDNGPOSKW55
MODEL FILE LOCATION: I:\.DUNKIN\FRESH BREW\SOLIDWORKS\NEXT GEN\CASH\DDNGPOSKW55_DDNGPOSKW55



LOCATION:*	DUNKIN DONUTS	NOTICE: THIS DRAWING IS THE PROPERTY OF QUALSERV SOLUTIONS INC. AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. NO PORTION OF THIS DRAWING MAY BE REPRODUCED OR COMMUNICATED WITHOUT EXPLICIT WRITTEN PERMISSION FROM QUALSERV SOLUTIONS INC.	DRAWN DATE: 5/30/19
SO#:*			MODELED BY:5/30/19
TOLERANCES: (UNLESS OTHER-WISE NOTED) FRACTIONS: ± 1/16" DECIMAL: ± 0.01"	DDNGPOSKW55		DRAWN BY: HI-TECH
	NEXTGEN POS CTR 55"		CHECKED BY: sanjiv
	SHEET VIEW/PART DESCRIPTION		APPROVED BY: D. WADE
QualServ Exceeding Expectations 7400 SOUTH 28th STREET FORT SMITH, AR 72908 PH. 800-643-2980 FAX. 479-646-5517	STORE#:* SCALE =1:20 PAGE: 3 OF 12		DWG LSB:dwade
			MODEL LSB:dwade

REVISIONS					
REV.	DESCRIPTION	ECN	DATE	INITIALS	
1	EDGEBAND FRONT OF ALL ENDS	190109	11 JAN 19	D. WADE	
2	MODIFY FLOORS	190113	11 JAN 19	D. WADE	
3	*	*	*	*	
4	*	*	*	*	

DATE: 6/12/2019

1	POS DETAILS
NTS	NOTE:

▪ development inc
architecture
VENTURA
michael a. ventura
13762 W St. Rd. 84 #320
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A A 0 0 0 3 1 2 3
STATE OF FLORIDA MICHAEL VENTURA AR0016152 REGISTERED ARCHITECT
A R 0 0 1 6 1 5 2

DUNKIN' - COOL PALETTE
540 W ATLANTIC
DELRAY BEACH, FL
PC#364861

revisions:

Drawn by:
JA

date:
03 - 06 - 2024

project # :
230636

A-7.3

MILLWORK DETAILS

EQUIPMENT SCHEDULE

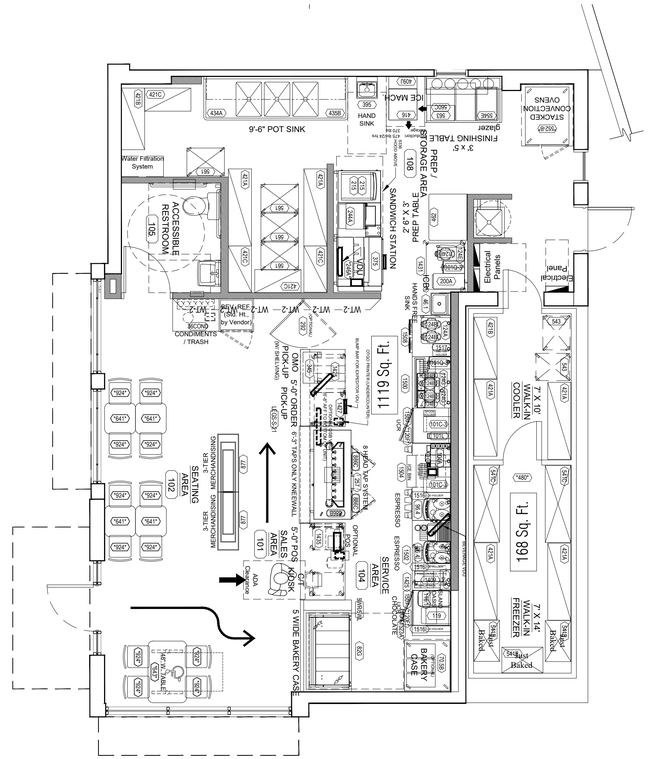
ITEM #		QTY.	DESCRIPTION	MANUFACTURER	MODEL #	N.S.F. E.T.L.	U.L. E.T.L.	PLUMBING: WATER H.W.	WATER C.W.	WASTE F.W.	WASTE DIR.	WASTE IND.	PLUMBING REMARKS	ELECTRICAL: LOAD VOLTS	LOAD PHASE	LOAD AMPS	CIRCUIT SIZE	WIRE S W GROUND	SUPPLIED W/ CORD & PLUG	RECEPT. SPEC	A.F.F.	ELECTRICAL REMARKS	GENERAL REMARKS
LEGS-S-21		1	21" Stainless Leg	Franke	18017197																		
5WR/5WL		1	5 Wide Front Case Bakery (L/R)	MILLWORK SUPPLIER	5WR/5WL																		
36-COND		1	CUSTOM CONDIMENT STATION	MILLWORK SUPPLIER																			
46.1		1	Hand sink with Knee Paddle	John Boos	PBHS-W-WVMB-1	D036264		1/2"	1/2"		1-1/2"												
70.5B		1	MOBILE DONUT/BAKERY CASE - 6 TIER X 3 WIDE	VULCAN	1013776-00U0164									120	1		20						
82G		1	Bakery Rack 4 x 5	VULCAN	1022648-00U0164									120	1	1	15	2	Y	NEMA 5-15			
96.4		2	ESPRESSO MACHINE	SHAERER	COFFE ART TOUCHIT					1/2"		1/2"		220	1	24	30	3	Y	NEMA L6-30R		***VERIFY ALL ELECT REQTS w/ MANUF	PROVIDE WATER SHUT-OFF VALVE W/ 3/8" COMPRESSION FITTING
101C-3		2	DAIRY DISPENSER	AC DISPENSING / Alternate - Silver King	AC320-FIP / Alternate - SKECD12-V3-1-KE-1									120	1	3	15			NEMA 5-15			
101L		1	PORTION CONTROLLED GRANULAR & POWDER DISPENSER	SURE SHOT	AC2-GP																		
101Q	101Q-2		DUAL HOPPER COFFEE GRINDER	CURTIS	DHG-10-020																		
	101Q-3	2	MULTI HOPPER COFFEE GRINDER	BUNN-O-MATIC	35600.0011									120	1	11	15	2	Y	NEMA 5-15		BUNN PROVIDED CORD & PLUG INSTALLED BY GENERAL CONTRACTOR	
104A		1	9 X 6 PUMP STATION	WIREFAB	WF35522																		
116.1		1	MAGNABLEND BLENDER/ ISLAND OASIS	TAYLOR	SB2412-WDD					3/8"			ISLAND OASIS (IO) TO BE FILTERED WATER	100-115	1	10						VERIFY ALL ELECTRICAL REQUIREMENT WITH MANUFACTURER	BLENDER MUST BE WITHIN 5'-0" OF ELEC. OUTLET
119		1	HOT CHOCOLATE MACHINE	BUNN-O-MATIC	38600.0057	18	197			1/2"			20-90PSI FROM A 3/8" OR LARGER SUPPLY LINE. A SHUT OFF VALVE SHALL BE INSTALLED IN THE LINE BEFORE THE UNIT.	208/120	1	17	20	3		NEMA L14-20		BUNN PROVIDED CORD & PLUG INSTALLED BY GENERAL CONTRACTOR	
109	109F-1	2	UNDERCOUNTER REFRIGERATOR - 27" W/ CASTERS, RIGHT HINGE	DELFIELD	406-CA-SPL-RHH	7	SA-4769							115	1	7	15	3	Y	NEMA 5-15			RIGHT HAND HINGE
	109F-2	2	UNDERCOUNTER REFRIGERATOR - 27" W/ CASTERS, LEFT HINGE	DELFIELD	406-CA-SPL-LHH	7	SA-4769							115	1	7	15	3	Y	NEMA 5-15			LEFT HAND HINGE
	109F-3		UNDERCOUNTER REFRIGERATOR - 27" W/ CASTERS, LEFT HINGE	VICTORY	UR-27-SST									115	1	5.6	15	2	Y	NEMA 5-15			DOOR CAN BE RE-HINGED IN FIELD
124A		1	TWIN SH BREWER	BUNN-O-MATIC	51200 .0106					1/2"				120/208	1	38.5	50	3		NEMA 14-50P			
124B		7	1.5 GAL SH SERVER	BUNN-O-MATIC	27850.0200																		
124E		1	SINGLE SH BREWER	BUNN-O-MATIC	51100.0155					1/2"				120/208	1	16.8	20	3		NEMA L14-20P			
124G		2	TWIN SH STAND WITH WIFI	BUNN-O-MATIC	27875.0201									120	1	1.8	20	2	Y	NEMA 5-15P			
200A		1	ICED COFFEE BREWER - #IC3-DBC W/ ICDD	BUNN-O-MATIC	45100.01		**			1/2"			20-90 PSI MACHINE SUPPLIED WITH 3/8" O.D. MALE FLARE FITTING	120/208	1	19.5	30	4	Y	NEMA L14-30		@ CORD TO BE PROVIDED & INSTALLED BY GC	** E34066
215		2	TORNADO OVEN W/ STONE, PEEL AND (2) TRAYS - EXTENDED WARRANTY INCLUDED	TURBOCHEF	NGC-1180-1-2019									208	1	30	30		Y	NEMA 6-30			
244A		1	DUAL LANE TOASTER	HATCO	ITQ-1750-2C-DD									208	1	23.8	30	3	Y	NEMA 6-30P			
246A	246A-1	1	SINGLE SIDED HOT HOLDING UNIT	CARTER HOFFMAN	MZ3435-DD									120		15			Y	NEMA 5-20P			
	246A-2		SINGLE SIDED HOT HOLDING UNIT	PRINCE CASTLE	DHB3PT-33DD									208-240		9.6-11.2			Y	NEMA 6-15P			
257		1	8 TAP SYSTEM WITH GENERATOR	MICROMATIC	MDD-68G-E-DD					1/2"		1"		115	1	11.1	20	2	Y	NEM 5-15			
292		1	36" SWING GATE	EQUIPMENT SUPPLIER	CUSTOM MILLWORK																		SEE CUSTOM MILLWORK DRAWINGS FOR DETAILS.
345		1	24" (2) TIER OMO UNIT	WIREFAB	TBD																		
375		1	94" ASSEMBLY STATION WITH 2 REFRIGERATED UNITS	DUKE	DD94-DPC-UTR									115		10.4				NEMA 5-15			
														120		3.9				NEMA 5-15			
395		1	HAND WASHING SINK W/ SIDE SPLASHES - FOR FRONT & BACK ROOM	UNIVERSAL	EHS-1RL-WH			1/2"	1/2"		1 1/2"		1 1/2"-2" PER LOCAL CODE										
409A-409J		1	ICE BINS	SCOTSMAN	B230P, B842S, B630S, B948S																		
416		1	ICE MACHINE (PRODUCTION: UP TO 475 LBS/ 24 HRS)	SCOTSMAN	C0522SA-1A																		
421A		4	SHELF - 18"W x 60"D - ORDER (5) SHELVES PER UNIT	METRO	1860BR																		
421B		2	SHELF - 18"W x 48"D - ORDER (5) SHELVES PER UNIT	METRO	1848BR																		
421C		4	SHELF - 18"W x 36"D - ORDER (5) SHELVES PER UNIT	METRO	1836BR																		
434A		1	112"W X 34"D THREE COMPARTMENT SINK (**JUST BAKED**) 20"W x 28"D x 14" BOWL W/ (2) 24"W DRAIN BOARD - (3) TWIST HANDLE LEVEL DRAINS	UNIVERSAL	DD-3D202814-2D24/TSB-133-B/TSB-158			3/4"	3/4"		2"		DIR/IND WASTE AS DETERMINED BY LOCAL CODES											S.S. TOP, SPLASHES ON (3) SIDES. T&S PRE-RINSE WALL UNIT ((INCLUDES BRACKET) W/ ADD-A-FAUCET 12" SPOUT TO SHIP W/ 3 BAY SINK
435B		1	108" SINK TRAY SHELVING WORKSTATION- INCLUDES SHELVING & BRACKETS (**USED FOR 112" THREE COMPARTMENT SINK**)	ISS	WST1415E																		
462		1	S.S WORKTABLE - 36" x 30" W/ BACKSPLASH. FIXED S.S UNDERSHELF (**TABLE ONLY**)	UNIVERSAL	3SLSB-30																		
541	541-A	2	DUNNAGE RACK - 36"W x 20"D, SINGLE TIER, USED FOR JUST BAKED	LOCKWOOD	D2036-8																		
	541-B	2	DUNNAGE RACK - 48"W x 20"D, SINGLE TIER, USED FOR JUST BAKED	LOCKWOOD	D2048-8																		
	541-C	2	DUNNAGE RACK - 60"W x 20"D, SINGLE TIER, USED FOR JUST BAKED	LOCKWOOD	D2060-8																		
	541-D		DUNNAGE RACK - 72"W x 20"D, SINGLE TIER, USED FOR JUST BAKED	LOCKWOOD	D2072-8																		
	541-E	3	DUNNAGE RACK - 32"W x 20"D, SINGLE TIER, USED FOR JUST BAKED	LOCKWOOD	D2032-8																		
543		2	BAKERY PAN RACK	KELMAX	APRU1618-4-AT-BK-MOD																		
552	552-A		FRESH BAKED SINGLE CONVECTION OVEN W/ STAND	ADAMATIC BELSHAW	BX-DD-S					3/4"			PROVIDE PRESSURE REDUCING VALVE, PRESSURE GAUGE & SHUT OFF VALVE AT PLUMBING CONNECTION TO OVEN	208-220	3	20.8-22.3	30	4	Y	L15-30		2 SEPARATE CIRCUITS REQUIRED	ALSO REQUIRES (1) 120V/60H/1PH/15A NEMA 5-15 DEDICATED CIRCUIT
	552-B	1	FRESH BAKED DOUBLE CONVECTION OVEN W/ STAND	ADAMATIC BELSHAW	BX-DD-D					3/4"			PROVIDE PRESSURE REDUCING VALVE, PRESSURE GAUGE & SHUT OFF VALVE AT PLUMBING CONNECTION TO OVEN	208-220	3	20.8-22.3	30	4	Y	L15-30		2 SEPARATE CIRCUITS REQUIRED PER OVEN	ALSO REQUIRES (1) 120V/60H/1PH/15A NEMA 5-15 DEDICATED CIRCUIT PER OVEN
554	554		GLAZER WITH EZ ROLL APPLICATOR- USED FOR JBOD	BELSHAW	2233BHG-18EZDD-34																		
	554A		GLAZER WITH EZ ROLL APPLICATOR- USED FOR JBOD	BELSHAW	2233BHG-18EZDD-32																		
	554B		GLAZER WITH SCOOP HOLDER- USED FOR JBOD	BELSHAW	2233BHG-18DD34																		
	554C		GLAZER WITH SCOOP HOLDER- USED FOR JBOD	BELSHAW	2233BHG-18DD32																		
	554E	1	18"x26"X3.5" DEEP TRANSLUCENT FOOD BOX, GLAZING SMALLWARES	CAMBRO	18263CW																		
560	560A		96"X36" STAINLESS STEEL FINISHING TABLE W/ 10" DEEP OVERSHELF	UNIVERSAL	DD-8SLCB36-0S2ES																		
	560B		72"X36" STAINLESS STEEL FINISHING TABLE W/ 10" DEEP OVERSHELF	UNIVERSAL	DD-6SLCB36-0S2ES																		
	560C	1	36"X60" STAINLESS STEEL FINISHING TABLE W/ 10" DEEP OVERSHELF	UNIVERSAL	DD-5SLCB36-0S2ES																		
561		4	FINISHED PRODUCT RACK (IN SHOP USE ONLY- NOT ENCLOSED)	KELMAX	APRUE1326-5/AT/TG/BK																		
563		1	POWER BASE	EDHARD	P-4010	29051	SA-4027							120	1		15			NEMA 5-15			
641		4	24" x 24" Table Top	MILLWORK	TBD																		
642		1	Accessible Table Top	MILLWORK	TBD																		
877		2	WAITERFALL MERCHANDISER TABLE	SPECTAS	TBD																		
886B		1	MIXER CUP HOLDER	WIREFAB	WF35897																	Used for stainless cups at Tap station	
886C		2	LID RACK	WIREFAB	WF35873																	Hung on Tap System door.	
924		10	DINING CHAIR	ALLERMUIR	DB81																		
1409		1	Pump/Swirl Station	WIREFAB	WF35522									120	1	10							
1425		2	30" METRO CUPS CART	METRO	TBD									120	1	10							
1427		1	24" HOS CART	METRO	TBD									120	1	10							
1431		1	36" Worktable with NC Base	METRO	DB303634WT									120	1	10							
1435		1	18" FC POS CART	METRO	TBD									120	1	10							
1500		1	HVB Coffee Cart	FRANKE	18017419									120	1	10							
1502		1	Dump Sink Table/Espresso - Left	FRANKE	18017898									120	1	10							
1504		1	Ice Bin/Infiator - Left	FRANKE	18017813									120	1	10							
1507		2	Worktop Riser for UCR	FRANKE	18018506									120	1	10							
1508		1	Trash/Compost	FRANKE	18018667									120	1	10							
1516		3	LID HOLDER 1 WIDE 4 TALL	FRANKE	TBD									120	1	10							
1517		1	LID HOLDER 2 WIDE 3 TALL	FRANKE	TBD									120	1	10							
1523A		1	OMNI Extension	FRANKE	TBD									120	1	10							

INSTALLATION NOTES: EQUIPMENT SCHEDULE

1. EQUIPMENT SUPPLIER TO PLACE ALL NEW EQUIPMENT
2. GENERAL CONTRACTOR TO PLACE ALL EXISTING EQUIPMENT
3. GENERAL CONTRACTOR TO MAKE ALL MECHANICAL, PLUMBING, AND ELECTRICAL CONNECTIONS FOR ALL EQUIPMENT
4. THE ASTERISKS "*" IN THE "ITEM NO." INDICATES THAT THERE ARE MULTIPLE CHOICES AVAILABLE FOR THE RESPECTIVE PIECE OF EQUIPMENT OR MILLWORK.
5. IT IS UP TO THE FRANCHISEE AND/OR FIELD TEAM TO MAKE THE APPROPRIATE SELECTION FOR THE LOCATION

NOTE:

REFER TO DUNKIN' BRANDS MULTIBRAND EQUIPMENT SPECIFICATIONS ON DUNKIN' BRANDS WEB SITE, http://extranet.dunkinbrands.com, FOR COMPLETE EQUIPMENT AND UTILITY INFORMATION. DUNKIN' BRANDS WEB SITE ALWAYS TAKES PRECEDENCE OVER DRAWINGS IN INSTANCE OF CONFLICT.



WALK IN SCHEDULE

Walk In Box Schedule by Architect	
Walk In Box	Interior/Exterior
Ceiling Height where box will be located (if interior)	8'-7"
If Exterior: does box need to be painted?	N/A
If Exterior: is Masonry surrounding the box?	N/A
Overall Dimension of the Box	24'-0" x 7'-0" x 7'-7"
*Freezer Dimensions	14'-0" x 7'-0" x 7'-7"
*Cooler Dimensions	10'-0" x 7'-0" x 7'-7"
*Anteroom Dimensions	N/A
Refrigeration System	Self Contained
Refrigeration Location (if REMOTE)	Top of Building
Refrigeration Lineset Needed (with remote units only)	40 ft
Electrical Phase	3-Phase (227/480)
Optional Accessories	
Interior Ramp at inside of door at Cooler	Yes
Hurricane Tie Down	No
Seismic Tie Down	No
DADE County Specs	No
Siesmic Calculations Required (California only)	No
Masonry ties on exterior of box to allow brick around exterior box	No

Standard Walk In Order is 1ft increments on outside dimensions of Freezer/Cooler length and width

Please note : 3.5" depression slab required for proper door swing

Refrigeration Notes:

Self Contained Refrigeration has both the condensing unit and evaporator system mounted on the top of the Walk In.
This system requires 24" clearance between the top of the box and the ceiling height.
Maximum compartment size is 7' x 14'
QUICK CONNECT START UP BY GENERAL CONTRACTOR (NO REFRIG TECH NEEDED)
Standard height of Walk In Box using this refrigeration is 7' 7"

Remote Self Contained Refrigeration has the evaporator mounted on top of the Walk In and the condensing unit is remote.
This system requires 24" clearance between the top of the box and the ceiling height.
Maximum compartment size is 7' x 14'
Cannot Exceed 50ft proximity to the Cooler/Freezer, Pre-charged lines up to 50' lengths, and a quick disconnect included.
START UP BY REFRIG TECH
Standard height of Walk In Box using this refrigeration is 7' 7"

Pre-Assembled Remote Refrigeration has the compressor unit remotely located and the evaporator is mounted inside the Walk In.
The system is pre-wired and requires a drain line and floor drain. The area where the box will be located must have a minimum height of 8' 9"
Pre-charged lines up to 50' lengths, and a quick disconnect are included.
NO Maximum compartment size
START UP BY REFRIG TECH
Standard height of Walk In Box using this refrigeration is 8' 7"

1 EQUIPMENT PLAN
NO SCALE NOTE:

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A A 0 0 0 3 1 2 3
STATE OF FLORIDA MICHAEL VENTURA AR0016152 REGISTERED ARCHITECT
A R 0 0 1 6 1 5 2

DUNKIN' - COOL PALETTE
540 W ATLANTIC AVE.
DELRAY BEACH, FL
PC # 364861

revisions:

Drawn by:
JA

date:
09.09.2024

project # :
230636

K-1.0
EQUIP. PLAN & SCHEDULE