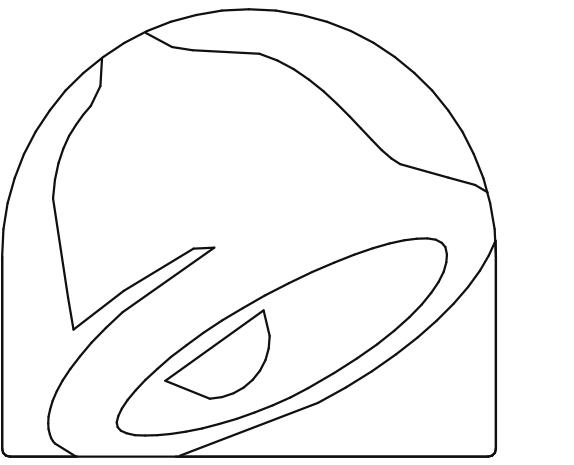


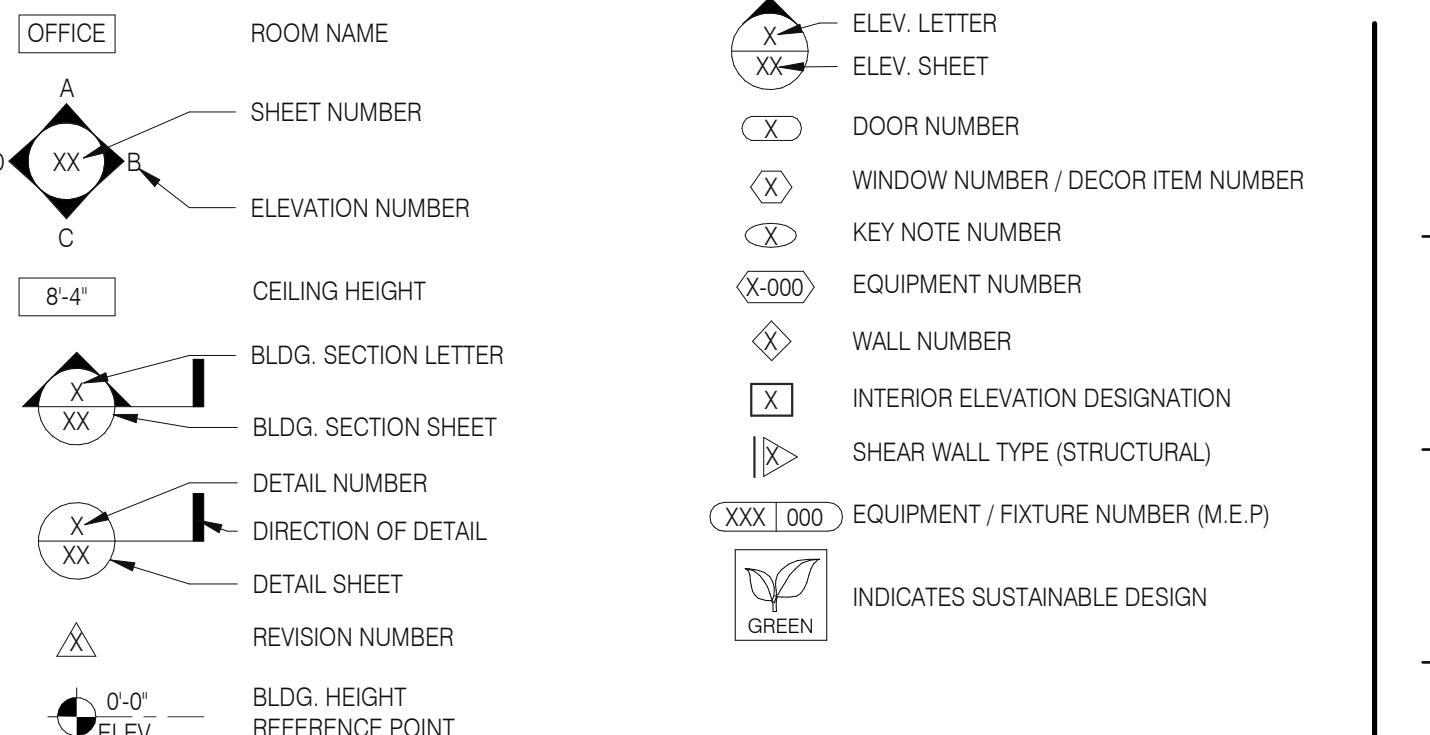
TACO BELL

36505 26 MILE RD. LENOX TWP, MI 48048

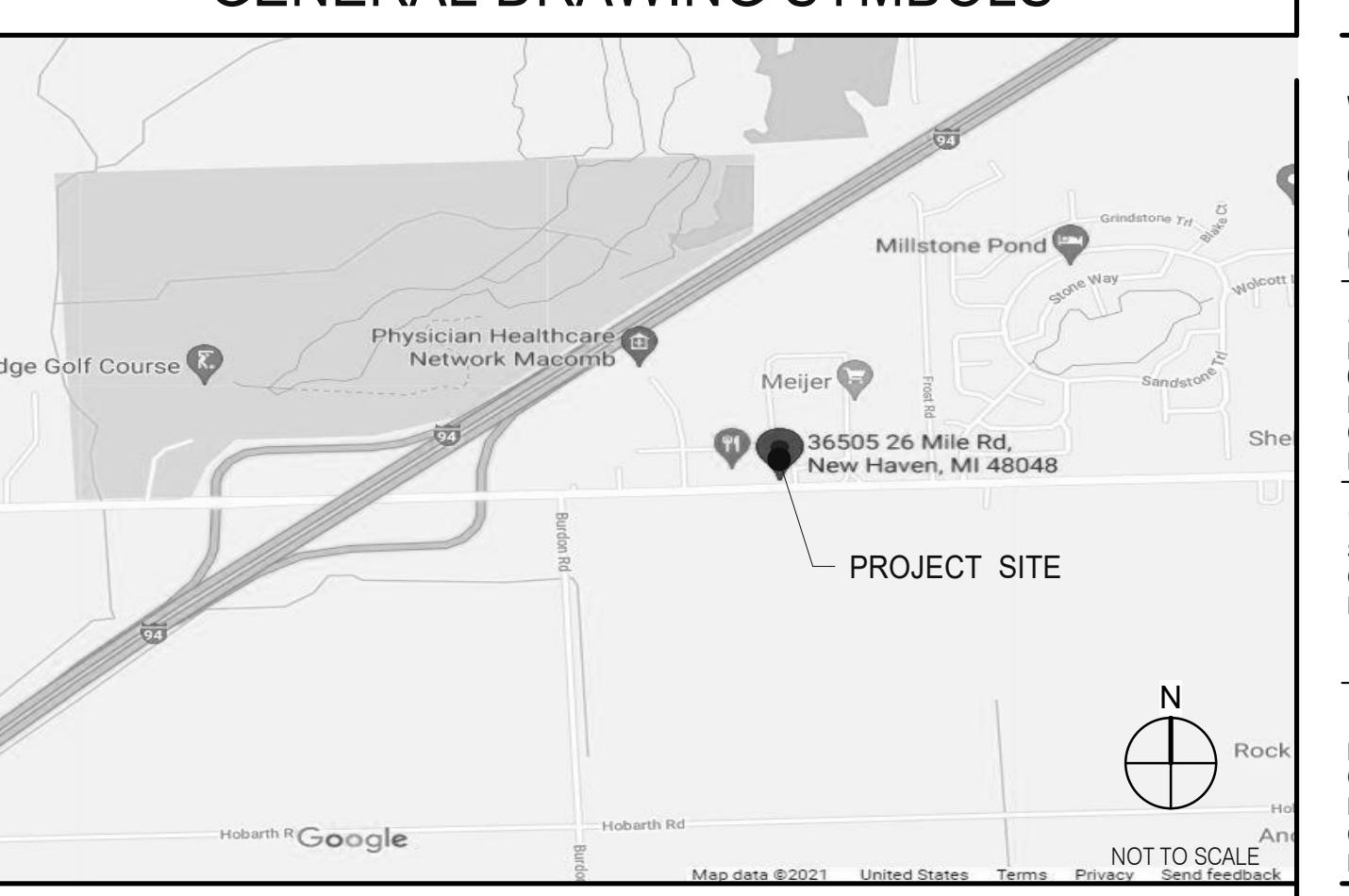


**TACO
BELL**™

- A. ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE MICHIGAN BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF CHARTER TOWNSHIP AND COUNTY OF MACOMB.
- B. IT IS INTENDED THAT A COMPLETE OCCUPYABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED OCTOBER 03, 2019 PREPARED BY KEM-TEC AND IS INCLUDED IN THESE DOCUMENTS.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED APRIL 5, 2005 BY STS CONSULTANT. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE TACO BELL CORPORATE BRAND DESIGNER OR CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR CONNECTION FEES ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
- N. ALL MATERIALS STAGED TO BE USED FOR CONSTRUCTION SHALL BE PROTECTED FROM EXCESSIVE MOISTURE. IF THEY ARE EXPOSED TO MOISTURE THEY SHOULD BE ADEQUATELY DRIED AND INSPECTED FOR COMPLIANCE WITH MINIMUM QUALITY STANDARDS BEFORE ENCAPSULATED INTO THE BUILDING.
- O. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.



GENERAL DRAWING SYMBOLS



PROJECT GENERAL NOTES

VICINITY MAP

LEGAL JURISDICTION:	LENOX TOWNSHIP BUILDING DEPARTMENT		
BUILDING CODE:	2015 MICHIGAN BUILDING CODE		
ACCESSIBILITY:	ICC A117-2009		
MECHANICAL:	2015 MICHIGAN MECHANICAL CODE		
PLUMBING:	2015 MICHIGAN PLUMBING CODE		
ELECTRICAL:	2017 NATIONAL ELECTRIC CODE		
FIRE:	NFPA		
ENERGY:	2015 MICHIGAN ENERGY CODE		
HEALTH:	MICHIGAN PUBLIC HEALTH CODE		
BUILDING AREA:	2,090 S.F. GROSS		
SEATING:	20 INTERIOR, 10 EXTERIOR		
OCCUPANCY:	A2		
TYPE CONSTRUCTION:	TYPE VB - UNPROTECTED		
TYPE	AREA	FACTOR	OCCUPANTS
DINING ROOM	447 S.F.	1:15 S.F. (NET)	30
QUEUEING	60 S.F.	1:5 S.F. (NET)	12
KITCHEN	1008 S.F.	1:200 S.F. (GROSS)	6
OFFICE	72 S.F.	1:100 S.F. (GROSS)	1
ACCESSORY STORAGE	173 S.F.	1:300 S.F. (GROSS)	1
ACCESSORY RESTROOMS & PASSAGE	283 S.F.	0	(GROSS) 0
TOTAL			50

PROJECT SUMMARY

# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208 VOLT
GAS:	779.000 BTUH
WIND SPEED:	90 M.P.H. / EXPOSURE B
EARTHQUAKE ZONE:	D
ROOF LIVE LOAD:	25 P.S.F.

DESIGN CRITERIA

CURRENT ZONING: COMMERCIAL GENERAL

FOR TACO BELL
USE/APPROVAL ONLY

BUILDING S.F.:	2,090 S.F.
SITE SIZE:	30,886 S.F.
PARKING COUNT:	36
INT. SEATING:	20
EXT. SEATING:	10
KIOSK COUNT:	4
D.M.B.:	YES
DT DMP.:	YES
DT DPB.:	YES

LEGAL DESCRIPTION

OWNER

YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
LOUISVILLE, KY 40213
CONTACT: STEVE PULCHEON
PHONE: 949.863.3864

CONSTRUCTION MANAGER

YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
LOUISVILLE, KY 40213
CONTACT: STEVE PULCHEON
PHONE: 949.863.3864

CIVIL ENGINEER

STS CONSULTANTS
3755 BROADMOOR AVE, SE SUITE A
GRAND RAPIDS, MI 49512
CONTACT: DONALD N. HOPPER, P.E.
PHONE: 616.464.5260

GEOTECHNICAL ENGINEER

YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
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CIVIL ENGINEER

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STRUCTURAL ENGINEER

YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
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PHONE: 949.863.3864

M/E/P ENGINEER

YUM! BRANDS, INC.
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LOUISVILLE, KY 40213
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PHONE: 949.863.3864

ELECTRICAL ENGINEER

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1900 COLONEL SANDERS LANE
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PHONE: 949.863.3864

MECHANICAL ENGINEER

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PHONE: 949.863.3864

PLUMBING ENGINEER

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CONTACT: STEVE PULCHEON
PHONE: 949.863.3864

PROJECT DIRECTORY

WATER

LENOX TOWNSHIP
63775 GRATIOT AVENUE
LENOX, MI 48050
CONTACT: CAMERON TROMBLY
PHONE: 586.749.0230

SEWER

LENOX TOWNSHIP
63775 GRATIOT AVENUE
LENOX, MI 48050
CONTACT: CAMERON TROMBLY
PHONE: 586.749.0230

GAS

SEMCO ENERGY GAS COMPANY
CONTACT: JIM TAYLOR
PHONE: 800.860.4277 EXT 5004

ELECTRIC

DTE ENERGY
ONE ENERGY PLAZA, 1240 WCB
DETROIT, MI 48226
CONTACT: BRENDA THURMAN-BRADFORD
PHONE: 313.235.8314

TELEPHONE

AT&T
CONTACT: CUSTOMER SERVICE
PHONE: 800.244.4444

SCOPE OF WORK

SW1.0 SCOPE OF WORK
SW2.0 INSTALLATION START-UP PRE-COMM CHECK LIST
SW2.1 BALANCING AND COMMISSIONING SEQUENCE

SCOPE OF WORK SHEET COUNT: 5

SPECIFICATIONS

IN BOOK FORMAT

SHEET INDEX

SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS	<input checked="" type="radio"/>
SHEET ISSUED ON DATE INDICATED, <u>NO</u> MODIFICATIONS	<input type="radio"/>
TITLE/SITE COUNT: 5	<input checked="" type="radio"/>
09.08.21	<input checked="" type="radio"/>
12.02.21	<input type="radio"/>

STRUCTURAL	<input checked="" type="radio"/>
S1.0 FOUNDATION PLAN	<input checked="" type="radio"/>
S2.0 WALL FRAMING PLAN	<input checked="" type="radio"/>
S3.0 ROOF FRAMING PLAN	<input checked="" type="radio"/>
S4.0 STRUCTURAL DETAILS	<input checked="" type="radio"/>
S4.1 STRUCTURAL DETAILS	<input checked="" type="radio"/>
S4.2 STRUCTURAL DETAILS	<input checked="" type="radio"/>
S4.3 STRUCTURAL DETAILS	<input checked="" type="radio"/>
S4.4 STRUCTURAL SECTIONS	<input checked="" type="radio"/>
S5.0 CANOPY/AWNING BLOCKING ELEVATIONS	<input checked="" type="radio"/>
STRUCTURAL SHEET COUNT: 9	<input checked="" type="radio"/>

INTEGRATED PEST PREVENTION (IPP) CAN BE DEFINED AS, 'THE ART AND SCIENCE OF PREVENTING THE INTRODUCTION OF UNWANTED ORGANISMS INTO COMPLEX MICROENVIRONMENTS AND THE ASSOCIATED MITIGATION EFFORTS REQUIRED WHEN PREVENTION FAILS.' IPP ENCOMPASSES THE CONCEPTS, STRATEGIES AND TACTICS NEEDED TO EFFECTIVELY PROTECT HUMAN HEALTH AND PROPERTY FROM THE PRESENCE OF UNWANTED ORGANISMS.

EVERY PEST, WHETHER MICROBIOLOGICAL, INVERTEBRATE OR MAMMALIAN NEED A FOOD SOURCE, WATER, SAFE HARBORAGE (SUITABLE ENVIRONMENT - TEMPERATURE, HUMIDITY, HIDING PLACES). THEY ALSO NEED A WAY INTO THE RESTAURANT. IN MOST CASES, CONTROLLING EVEN 1 OF THE REQUIREMENTS CAN PREVENT AN INTRODUCTION FROM BECOMING AN INFESTATION (ARTHROPODS OR VERTEBRATES) OR THE GROWTH OF PATHOGENIC ORGANISMS (BACTERIA/FUNGI ETC.). WHILE WE CANNOT ELIMINATE ALL INTRODUCTIONS FROM EMPLOYEES, CUSTOMERS AND DELIVERIES, WE CAN VIRTUALLY ELIMINATE INTRUSIONS DUE TO CONSTRUCTION AND DESIGN FAULTS AND, OPERATIONAL BEHAVIOR.

IN GENERAL, WHEN YOU THINK ABOUT EXCLUDING PEST FROM A BUILDING, YOU CAN THINK OF THE PESTS AS WATER. WE DON'T WANT UNNECESSARY WATER GETTING INTO THE BUILDING SO WE ADD APPROPRIATE BARRIERS. FROM VAPOR BARRIERS TO CONCRETE CURBS, WE BLOCK OR REDIRECT WATER. SAME WITH PESTS, FOR INSECTS WE CAN USE MATERIALS LIKE ELASTOMERIC SEALANTS AND HARD SURFACES TO PREVENT INTRUSION. FOR RODENTS, THE SAME CONCEPTS APPLY BUT THE BUILDING MATERIALS/PRACTICES HAD TO BE MORE ROBUST (CEMENTITIOUS MATERIALS WITH METAL REINFORCEMENT).

FOR ALL ASPECTS OF PEST PREVENTION ACTIVITIES, WE ARE MOVING TOWARDS SEASONALLY AND GEOGRAPHICALLY ATTENUATED (SAGA) © AND ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE PEST PREVENTION PROGRAMMING © TO ACHIEVE MANAGEABLE, SITE-SPECIFIC SCOPES OF WORK.

GUIDING PRINCIPLE 1 - SITE SELECTION:

YOU HAVE TO TRY TO LOOK AT EVERY PHYSICAL ASPECT OF THE BUILDING AND ITS ENVIRONMENT. TO THIS END, IT IS PREFERABLE TO ESTABLISH A RELATIONSHIP WITH A LOCAL MEMBER OF YOUR PEST PREVENTION PROVIDER'S MANAGEMENT TEAM AND ASK THEM TO GIVE SOME GENERAL GUIDANCE DURING THE SITE SELECTION PROCESS. THEY MAY BE AWARE OF NEIGHBORHOOD LEVEL PEST PREVENTION CONCERN AND HAVING THEM INVOLVED FROM THE BEGINNING ALLOWS THEM TO PROPERLY CREATE/MODIFY THE PRE AND POST CONSTRUCTION SERVICE PLANS. FROM BOTH GLOBAL AND LOCAL PERSPECTIVES, LOCATION CHARACTERISTICS ARE CLEARLY THE DRIVING FORCE IN POTENTIALLY PREDICTIVE PEST PROBLEMS. MUCH OF THE RELEVANT INFORMATION NEEDED ABOUT ANY PARTICULAR STORE IS ALREADY IN TACO BELL'S HANDS IN THE FORM OF PEST ACTIVITY DATA. ADDITIONAL INFORMATION CAN BE GATHERED FROM LOCAL EXPERTS (IF AVAILABLE) OR ASSESSED BY TACO BELL CORPORATE QA/FOOD SAFETY STAFF.

QA/FOOD SAFETY RESOURCES ARE AVAILABLE TO COORDINATE OR PERFORM ASSESSMENTS AS NEEDED.

THE CRITICAL FACTORS, IRRESPECTIVE OF BROAD GEOGRAPHICAL LOCATION, WOULD BE: STAND ALONE VS. MALL LOCATION, COMBINATION FACILITY*, AND GENERAL NEIGHBORHOOD CONDITIONS.

FACTORS THAT WE CANNOT CONTROL, BUT CAN ANTICIPATE/MITIGATE:

- a. WEATHER / CLIMATIC ZONE
- b. LOCALIZED SPECIAL PEST ISSUES (PAST PEST HISTORY)
- c. BUILDING LOCATION - PARTICULARLY A CONCERN IN URBAN AREAS. LITTER, AGING UTILITIES, SUBWAYS AND FOOT TRAFFIC LEVELS MUST BE ACCOUNTED FOR.
- d. BUILDING AGE
- e. BUILDING PLACEMENT
- f. NEIGHBORHOOD (PHYSICAL AND SOCIOECONOMIC) CONDITIONS
- * COMBINATION FACILITY CAN MEAN AN INLINE LOCATION OR MULTI-USE FACILITY (FOR EXAMPLE, ADDING A BAR TO A RESTAURANT OR PLACING A RESTAURANT IN A TRAVEL CENTER ADDS COMPLEXITIES DUE TO INCREASED PEST OPPORTUNITIES.)

**THE AGE OF THE BUILDING INTRODUCES ISSUES LIKE: CONSTRUCTION MATERIALS AND BUILDING STANDARDS.

GUIDING PRINCIPLE 2 - BUILDING DESIGNED FOR EXCLUSION, INSPECTION, CLEANING AND TREATMENT: USING PROPER TECHNIQUES TO KEEP PESTS OUT IS EASY ENOUGH BUT TIME AND USE EVENTUALLY TAKE THEIR TOLL ON THE ENTIRE STRUCTURE. THE RESULTS CAN BE RAPID DETERIORATION AND PEST INTRUSION/INFESTATION. 1. USE HIGH QUALITY CONSTRUCTION MATERIALS TO PREVENT THE INTRUSION OF PESTS TO ENTER AND BECOME ESTABLISHED IN THE BUILDING, RESULTING IN A THREAT TO PUBLIC HEALTH AND DAMAGE TO THE ASSET. THIS APPLIES TO MOISTURE WITHIN THE BUILDING AS WELL AS ENVIRONMENTAL MOISTURE COUNTERS, BEVERAGE MACHINES, DRAINS, SINKS ALL HAVE TO BE WELL SEALED TO PREVENT MOISTURE FROM PENETRATING INTO CRACKS, CREVICES OR VOIDS.

1. THE PESTS OF PRIMARY FOOD SAFETY/PUBLIC HEALTH CONCERN ARE LARGELY CRYPTIC IN NATURE, THEY EITHER LIKE TO HIDE (RODENTS) MUST HIDE (COCKROACHES) OR SIMPLY REQUIRE QUIET, DARK, OUT OF THE WAY PLACES TO BREED (COCKROACHES AND FLIES). RESTAURANT STAFF AND PEST PREVENTION PARTNERS MUST BE ABLE TO MOVE EQUIPMENT AROUND TO SEE WHAT IS HAPPENING.

2. THE FLOORS, DRAINS AND WALLS HAVE TO BE DURABLE AND EASILY CLEANED. AVOID TILE WHEN POSSIBLE (GROUT LINES) 1. WHEN TILE MUST BE USED, EPOXY GROUT IS PREFERRED. DRAINS MUST BE POSITIONED TO BE EASILY INSPECTED AND CLEANED. EQUIPMENT MUST BE EASY TO MOVE TO CLEAN THE FLOOR. D. EQUIPMENT MUST BE DESIGNED TO BE EASILY CLEANED.

3. TREAT WALL VOIDS AND DIFFICULT TO INSPECT STRUCTURAL AREAS WITH BORACARE (DISODIUM OCTABORATE TETRAHYDRATE) TO ASSIST IN THE PREVENTION OF ARTHROPOD INFESTATIONS.

4. TREAT AREAS PRONE TO INFECTION WITH MOLD-CARE (DIDECYL DIMETHYL AMMONIUM CHLORIDE).

5. BASEMENTS A. FOLLOW THE SAME EXCLUSION PRINCIPLES IN GENERAL TERMS B. ADDITIONAL PEST DEVICES MUST BE ADDED/ACCOMMODATED C. AIRFLOW IS CRITICAL. SINCE FOOD RELATED ITEMS WILL BE STORED IN THESE AREA, WE MUST NOT ALLOW MOISTURE TO FOSTER THE DEVELOPMENT OF MICROORGANISMS (BOTH PATHOGENIC AND NON-PATHOGENIC).

6. EXTERIOR DESIGN TO ELIMINATE INTRODUCTION POINTS AND HARBORAGE AREAS A. NO TREES OVERHEAD OR TOUCHING THE BUILDING B. NO SHRUBS, BUSHES, VINES TOUCHING OF IN CLOSE PROXIMITY TO THE BUILDING C. STRATEGICALLY PLACE WASTE (COMPOST/RECYCLING/LANDFILL) RECEPTACLES AWAY FROM THE BUILDING WHEREVER POSSIBLE AND HAVE THEM IN WELL-LIT AREAS (IF APPROPRIATE).

7. LIGHTING SHOULD BE INDIRECT WHENEVER POSSIBLE TO PREVENT NIGHT FLIERS FROM BEING DRAWN TO THE BUILDING.

8. AVOID SEMI-ENCLOSED (PARTIAL SOFFIT) AREAS WHERE BIRDS AND MAMMALS CAN HARBOR.

(APPENDIX FOLLOWS)

APPENDIX
PEST MANAGEMENT, IN A STANDALONE SETTING IS ACTUALLY QUITE SIMPLE WHEN PROPERLY EXECUTED BY ALL PARTICIPANTS. AS IT RELATES TO BUILDING DESIGN AND CONSTRUCTION, THERE ARE JUST A FEW PRINCIPLES THAT IF ADDRESSED WITH GREATLY DIMINISH PEST ISSUES.

1. DON'T PROVIDE ANY UNNECESSARY ATTRACTANTS WHEN POSSIBLE AND, MITIGATE WHEN UNAVOIDABLE. 2. IF THE BUILDING IS TIGHT, THEN PESTS CANNOT COME IN EASILY. 3. MAKE SURE THAT THERE IS ENOUGH AIRFLOW INTO THE BUILDING FROM ABOVE TO FACILITATE POSITIVE PRESSURE AT THE DOORS. 4. IF THE PESTS CAN'T GET INTO THE BUILDING, THERE WON'T BE AN INFESTATION. 5. IF THEY DO GET IN THE BUILDING BUT, HAVE NOWHERE TO HIDE, THERE WON'T BE AN INFESTATION. A. EQUIPMENT, WHEN POSSIBLE SHOULD BE TIGHTLY SEALED. I. EXAMPLE, MANY TIMES, STAINLESS CURTAINS ARE PLACED TO SHIELD THE UNDERSIDE OF EQUIPMENT FROM VIEW. THIS WILL NOT KEEP ANYTHING OUT. B. WHEN NOT POSSIBLE, MAKE IT EASY TO OPEN FOR INSPECTION AND TREATMENT. ALSO, CONSIDER THE NEED FOR MONITORING DEVICES NEAR ENTRY POINTS. I. EXAMPLE, IF A PIECE OF EQUIPMENT MUST HAVE A HOLE AT THE BOTTOM, MAKE SURE THAT A DEVICE CAN BE PLACED APPROPRIATELY IN OR UNDER IT. KEEP VISUAL INSPECTION IN MIND TOO. C. AVOID DIFFICULT TO CLEAN EQUIPMENT. IF IT ISN'T EASY, PEOPLE WON'T CLEAN IT. D. IN SUMMARY, IF YOU CAN, KEEP THEM OUT. IF YOU CAN'T MAKE SURE THE EQUIPMENT CAN BE EASILY CLEANED AND INSPECTED.

I. EXTERIOR SANITARY DESIGN

A. BUILDING PERIMETER:

• THERE ARE NO OUTSIDE PITS OR DEPRESSIONS. THE PERIMETER SLOPES AWAY FROM THE BUILDING. • A 2-FOOT GRAVEL BARRIER IS PRESENT WITH DRAINS IN CRITICAL DRAINAGE AREAS. • EXPANSION JOINTS AROUND PERIMETER ARE FILLED WITH CORRECT JOINT FILLER. • THERE ARE NO OUTSIDE STORAGE AREAS THAT COULD PROVIDE HARBORAGE FOR PESTS. • NO CHAIN LINK FENCES ARE PRESENT NEAR THE FACILITY. • BUILDING DESIGN ALLOWS FOR EASY WEED ACCESS/REMOVAL AND LAWN MAINTENANCE.

• EXTERIOR SMOKING AREA IS PROVIDED FOR EMPLOYEES SUCH THAT THE DEBRIS FOUND IN THESE AREAS DOES NOT ATTRACT PESTS INTO THE FACILITY. • BUILDING DESIGN DETERS BIRDS FROM NESTING OR LOAFING.

B. UTILITY LINES:

• UTILITY LINES, ELECTRICAL CONDUITS, AND PLUMBING ENTRANCES INTO THE BUILDING ARE COMPLETELY SEALED, PREVENTING PEST ENTRY. • PIPES OR WIRING ARE NOT GROUPED INTO GANGS AND ARE NOT HOUSED IN METAL TUBES. • UTILITY SYSTEMS ARE EASILY ACCESSIBLE AND EASILY OPENED FOR THOROUGH CLEANING. • RODENTS ARE DETERRED FROM CLIMBING PIPES ON THE BUILDING EXTERIOR BY FITTED METAL RAT GUARDS. GUARDS ARE MADE OF 26-GAUGE SHEET METAL, FITTED CLOSE TO THE WALL AT THE REAR, AND PROJECTING 12 INCHES OUTWARD FROM THE PIPE. • OUTSIDE VERTICAL PIPES ARE COATED WITH GLOSSY PAINT TO PREVENT RODENTS FROM CLIMBING THEM. • WHERE POSSIBLE, UTILITY LINES ARE TRENCHED, RATHER THAN SUSPENDED.

C. PARKING AND ROADWAYS:

• ALL PARKING AND TRAFFIC AREAS ARE PAVED. • DRAINS ARE PLACED IN ALL DOCK AND DUMPSTER AREAS. • DRAINS ARE FREE OF DEBRIS.

D. LANDSCAPING:

• PERIMETER FOLIAGE CLEARS BUILDING BY 18" MINIMUM AND NOT TALLER THAN 24 INCHES. • TREES ARE AT LEAST 30 FEET AWAY FROM BUILDING PERIMETER. • GROUND COVER DOES NOT INCLUDE PINE STRAW OR THATCHED GRASS. • GROUND COVER SUCH AS GARDEN STONES AND SPARSE LIVE PLANT COVER ARE USED.

E. EXTERIOR LIGHTING:

• BUILDING PERIMETER IS WELL LIGHTED. • EXTERIOR LIGHTS ARE LOCATED AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS, SO THAT THEY DO NOT ATTRACT FLYING INSECTS INTO THE BUILDING. (IF FEASIBLE) • OUTSIDE LIGHTS ARE SHIELDED TO SHINE DOWN ONTO THE BUILDING PERIMETER AND DO NOT SHINE OUT/AWAY FROM THE FACILITY. SHADOW BOX FIXTURES PREFERRED. • BULBS LESS ATTRACTIVE TO INSECTS SUCH AS HIGH PRESSURE SODIUM ARE USED. • INSECT LIGHT TRAPS ARE LOCATED SUCH THAT THEY DO NOT DRAW INSECTS INTO THE FACILITY.

F. SANITARY DUMPSTER AND TRASH STORAGE:

• DRIVE AND STORAGE AREA ARE PAVED. • TRASH STORAGE IS LOCATED AWAY FROM INCOMING GOODS AND ISOLATED FROM FACILITY. • TRASH STORAGE IS LOCATED IN A WALLED SPACE, WITH OPEN AREA AND MINIMAL AVAILABLE HARBORAGE FOR RODENTS, BIRDS, OR INSECTS. • TRASH STORAGE IS LOCATED DOWNWIND (PREVAILING WINDS) WHEN POSSIBLE. • TRASH STORAGE IS SEPARATED FROM FACILITY BY FIRE-RATED SEPARATION WALLS. • HOT WATER RINSE IS AVAILABLE AND PROPER DRAIN(S) ARE PRESENT. • HAND-SANITIZER PROVIDED FOR RE-ENTRY INTO THE FACILITY. • SANITATION DUMPSTER IS ADEQUATE FOR VOLUME, HAS A RAIN COVER, AND IS SEALED WITH NO LEAKS. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA. • DUMPSTER AREA - KEEP THIS AREA CLEAR AND CLEAN. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA. • DO NOT FEED STRAY ANIMALS/BIRDS.

G. RECYCLING STORAGE:

• OUTSIDE STORAGE IS WELL DRAINED; PAVING IS DESIRABLE. • PLASTIC/Glass - DEDICATED CONTAINERS ARE PROVIDED; AREA FOR DRY STORAGE IS PROVIDED. • HOT WATER AVAILABLE WITH FLOOR DRAINS FOR CLEANING.

H. ROOF CONSTRUCTION:

• SINGLE MEMBRANE OR SMOOTH ASPHALT IS PREFERRED; AVOID BALLASTED ROOFING OR HOT MOP ROOFS. • ACCESSES TO ROOF ARE CONVENIENTLY LOCATED, COVERED AND SEALED WHEN CLOSED. • CURBING (RUN-OFF STOP) IS DESIGNED TO A 12-18 INCHES HEIGHT MINIMUM. • MINIMAL FLAT SURFACES ARE AVAILABLE FOR NESTING/LOAFING SITES. • ROOF DESIGNED TO DETER STORAGE OF ANY KIND. • NO SKY LIGHTS ARE PRESENT; OR ONLY DOUBLE DOMED SKYLIGHTS ARE USED AND ARE WELL SEALED. • THERE ARE NO BRIGHT COLORS ATTRACTIVE TO INSECTS (YELLOW, RED), OR BIRDS (WHITE). • ONLY QUALITY FLASHING IS USED. • EQUIPMENT AND METAL DUCTWORK ARE PROPERLY MOUNTED WITH ALL JOINTS SEALED. ROOF DRAINAGE:

• ALL ROOF DRAIN PIPES PROPERLY TREATED WITH NH3 TO AVOID RUSTING. • OPEN PIPES AND VENTS ARE SCREENED WITH 1/4" INCH SCREENING OR CAPPED TO KEEP PESTS OUT. • ROOF DRAIN PIPES ARE INSULATED TO PREVENT FREEZING. • ROOF DRAINS ARE ROUTED TO THE SANITARY SEWER; DOWN-SPOUTS CARRY WATER AWAY FROM BUILDING. • CANOPY RUNOFF IS ROUTED AND DOES NOT RUN OFF ANY EDGE. • NO DEPRESSIONS OR SITUATIONS EXIST THAT CREATE STANDING WATER.

F. DOORS:

• VESTIBULES ARE PRESENT AT EACH EMPLOYEE AND FACILITY ENTRY-WAY WHENEVER POSSIBLE. • PEDESTRIAN DOORS OPEN TO THE (OUTSIDE) OF THE FACILITY ONLY.

• PEDESTRIAN DOORS ARE CONSTRUCTED WITH GALVANIZED OR STAINLESS STEEL FRAME. • PEDESTRIAN DOORS HAVE PROPER DOOR-SWEEPS INSTALLED. BRUSHES ARE USED. RUBBER IS NOT. • PEDESTRIAN DOORS ARE (FOAM) INSULATED. NO FIBERGLASS INSULATION IS USED. • WOODEN DOORS ARE NOT PRESENT. • PEDESTRIAN DOORS HAVE A DOOR CLOSER. THERE ARE NO SCREW-DOWN THRESHOLDS OR "DOOR STOPS". • SWEEP-TYPE WEATHER STRIPPING IS USED AND NO PENETRATING LIGHT DETECTED.

II. INTERIOR SANITARY DESIGN

A. FOUNDATION:

• THE CRAWL SPACE OR BASEMENT IS EASILY ACCESSED. • PRESSURE TREATED WOOD IS USED IN ANY LOCATION NEAR OR BELOW GRADE. • NO VISIBLE CRACKS OR HOLES PRESENT IN THE WALLS. ALL OPENINGS GREATER THAN 1/4 INCH ARE SEALED. • 12-INCH BAND OF HARD GLOSSY PAINT IS APPLIED AROUND OUTSIDE BRICK OR STONE WALLS TO AVOID CLIMBING RATS AND MICE. • ALL UTILITIES BELOW GRADE ARE EASILY ACCESSED AND ARE LABELED.

B. FLOOR DRAINS:

• ALL FLOOR DRAINS ARE DESIGNED WITH TRAPS WITH AT LEAST 3 INCHES OF WATER SEAL, AND THEY ARE FITTED WITH SECONDARY STRAINERS TO PREVENT PEST ENTRY. • FLOOR DRAINS EXIST IN PRODUCTION AREA EVERY 400 SQ. FT. • FLOOR DRAINS ARE CONSTRUCTED OF STAINLESS STEEL FOR EASIER CLEANING. • OVERHEAD PIPING AND DRAINS (IN CRAWL SPACE) ARE WELL SEALED AND DO NOT LEAK. • WHERE INSECTS MAY BE A PERSISTENT PROBLEM, INSECT SCREENS ARE INSTALLED IN FRONT OF FILTER MEDIA. • SCREENS ARE EASY TO REMOVE FOR CLEANING, AND THEY ARE NON-CORROSION, 18" MESH SCREEN. • VENTS ARE COVERED WITH METAL GRILLWORK AND ARE BACKED BY RUST RESISTANT SCREENING. • FLOOR DRAINS INCLUDED ON MASTER SANITATION SCHEDULE - MINIMUM 1 WEEK CLEANING.

C. WALLS:

POURED CONCRETE IS PREFERRED FOR INSIDE WALLS. HIGH DENSITY FILLED CONCRETE BLOCK 1ST 6-8 FT. IS ACCEPTABLE IN OTHER AREAS. • IF METAL SIDING IS UTILIZED THE BOTTOM 8' OF THE WALL IS POURED CONCRETE SO AS TO PROVIDE A SEAL TO THE CONCRETE WITH THE OVERLAPPING SIDING. • NO VOIDS ARE PRESENT; ALL VOIDS INSULATED WITH PROPER MATERIAL THAT DETERS PESTS. • WALL AND FLOOR JUNCTURES ARE SEALED WHERE POSSIBLE. • IF STEEL STUDS ARE USED, OPENINGS EXIST THAT ALLOW EASY FLOW OF DUST APPLICATIONS. • FILLER

COAT IS APPLIED TO ALL BLOCK WALLS. FOR SMOOTH BLOCK WALL SURFACES, PAINT FILLER IS USED. SEALING IS ADEQUATE, SUCH THAT THERE ARE NO VISIBLE CRACKS. • WALL FILLERS - AVOID PEARLITE, FIBERGLASS, ROCK WOOL, HIGH DENSITY FOAM PREFERRED.

• PIPES ARE PROPERLY RUST-PROOFED WITH NH3, PRIOR TO FOAM INSULATION OF THE WALLS. • ALL PIPE PENETRATIONS ARE PROPERLY SEALED/CAULKED. PIPE PENETRATIONS ARE CUT AND SEALED ON THE SAME DAY SO THAT OPENINGS OR JUNCTIONS REMAIN CLEAN. • TO DETER BIRD OR RODENT NESTING SITES, EXTERIOR PIPES AND CONDUITS ARE NOT ARRANGED IN GROUPS.

• ITEMS MOUNTED TO WALLS WITH LESS THAN A 1/4" GAP SHOULD BE SEALED TO THE WALL. • ACCESS TO CONSTRUCTION MINIMIZES THERMAL TRANSFER OF STRUCTURAL MEMBERS.

D. CEILINGS:

• CONCRETE CEILINGS ARE SMOOTH AND FREE OF PITS THAT MAY HARBOR INSECTS. • DROP CEILINGS ARE NOT PRESENT, BECAUSE OF POTENTIAL FOR FOOD/MOISTURE ACCUMULATION. (OBVIOUSLY NOT A "MUST" BUT, IT SURE MAKES IT EASIER) MAKING THEM MORE ACCESSIBLE FOR INSPECTION WOULD AT LEAST BE BETTER.

E. INTERIOR LIGHTING:

• HIGH PRESSURE SODIUM BULBS ARE USED WHERE HIGH-INTENSITY LIGHT IS NEEDED. SODIUM LIGHTS LAST LONGER AND ARE LESS ATTRACTIVE TO INSECTS THAN FLUORESCENT LIGHTS. • FLUORESCENT LIGHTING IS AVOIDED - IT'S HARD TO KEEP CLEAN. • SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK. • WALL SCONCE UNITS ARE STRATEGICALLY PLACED SO THAT THEY DO NOT COLLECT DEBRIS.

F. WINDOWS:

• SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK. • DOUBLE-PANE AND WELL INSULATED WINDOWS ARE PREFERRED. • CAULKING IS USED FOR SMALL CRACKS AND CREVICES FOUND AROUND WINDOWS. • IF SCREENING IS USED, A MINIMUM OF 18 MESH IS RECOMMENDED; 30 MESH IS PREFERRED. • SCREENS ARE REINFORCED AT POINTS OF STRESS.

G. FANS AND HOODS:

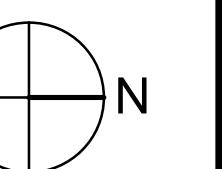
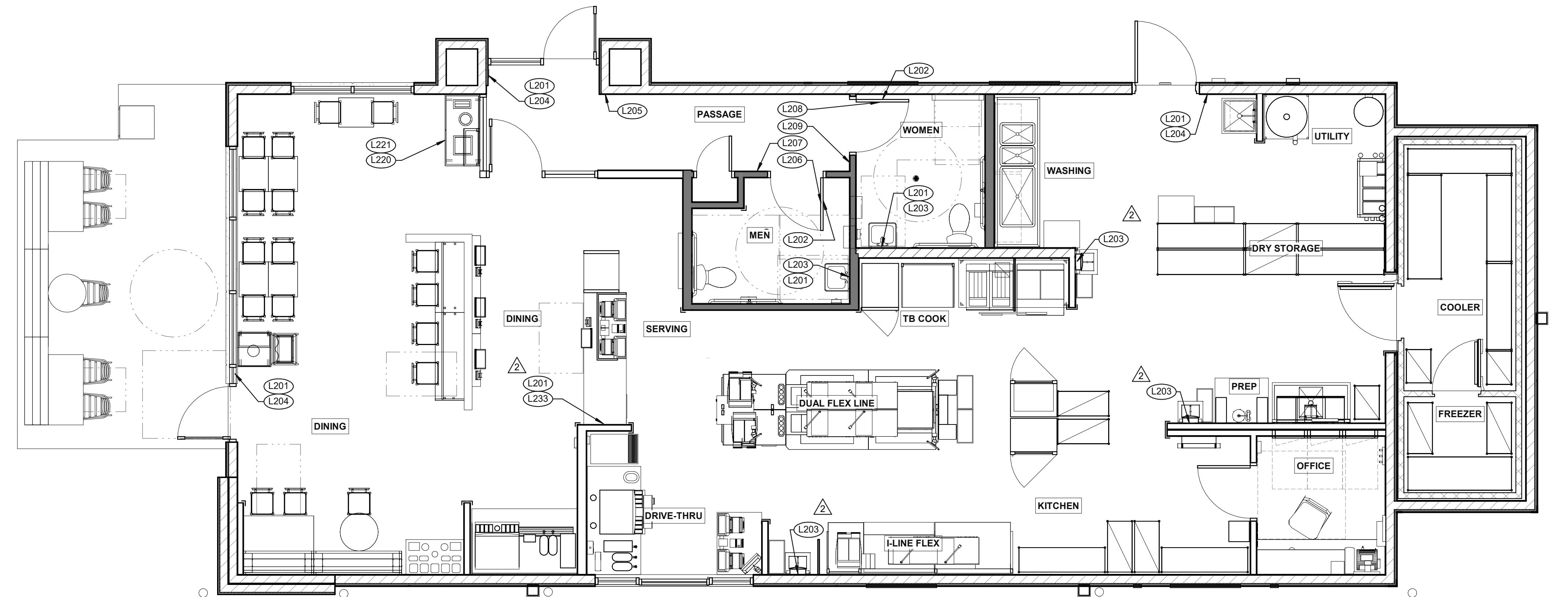
• ALL FAN/HOOD HOUSINGS ARE SEALED. ADEQUATE SEALS EXIST BETWEEN FAN HOUSINGS AND ROOF. ALL FANS ARE ACCESSIBLE FOR CLEANING; ALL FANS MOUNTED HIGH ENOUGH FOR CLEANING. • ALL HOODS HAVE SCREENS AND FILTERS THAT ARE PROPERLY SIZED AND HAVE THE PROPER MESH. • ALL FILTERS ARE EASILY CHANGED/AND OR CLEANED. • ALL FILTERS ARE INCLUDED ON THE MSS. • ALL DUCT WORK IS POSITIVELY PITCHED; THERE ARE NO HORIZONTAL DUCTS FROM HOODS. • ALL DUCT WORK IS ACCESSIBLE. • CONDENSATE DRAINS OR TRAPS ARE PRESENT. • EXHAUST FANS ARE MAXIMUM DISTANCE FROM AIR INTAKE. • THERE IS NO AIRFLOW DIRECTLY ONTO FOOD PREP AREAS. • INBOUND AIR IS FILTERED AND DEHUMIDIFIED OR AIR-CONDITIONED.

H. FLOORS:

• SOURCES OF WATER DISCHARGE DO NOT CREATE STANDING WATER. • ENTIRE FLOOR IS SEALED.

I. CONSTRUCTION GAPS AND PENETRATIONS:

• ALL PIPE PENETRATIONS ARE PROPERLY SEALED THE SAME DAY THEY ARE CUT. • EXPANSION JOINTS PRESENT ARE SEALED WITH PROPER JOINT COMPOUND. • ALL CRAWL SPACES ARE CLEAN AND FREE OF CLUTTER (E.G.,


SIGNAGE PLAN 1/4" = 1'-0" 1

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT
L201	Smoking	No Smoking or electronic cigarette use. This is a smoke free establishment	1/16 x 9 x 6	48" MIN. A.F.F. 60" MAX. A.F.F.	5	1 in each restroom, 1 at each door
L202	Clean Restroom	To our customers: We check our restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our manager on duty. Thank you	1/16 x 6 x 9	60" A.F.F.	2	1 inside each restroom (back of restroom door)
L203	Hand Wash Notice	Employees must wash hands before returning to work	1/16 x 6 x 6	60" A.F.F.	5	1 at each hand sink and lavatory
L204	Exit (w/ Braille)	Exit	1/16 x 6 x 6	60" A.F.F.	4	1 at each exit, mounted on wall, according to ADA guidelines
L205	Occupancy	Maximum occupancy xxx persons	1/16 x 6 x 6	8'-0" to center of sign	1	Above customer exit. Only 1 is needed
L206	Men's Restroom Triangle (W/B)	INFOGRAPHIC of male	1/4 x 12 x 12	60" A.F.F.	1	Mounted on men's restroom door
L207	Men's Restroom (w/ Braille)	INFOGRAPHIC of male and braille to read: Men's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. refer to plans and ADA guidelines for exact location
L208	Women's Restroom Circle (W/B)	INFOGRAPHIC of female	1/4 x 12 x 12	60" A.F.F.	1	Mounted on women's restroom door
L209	Women's Restroom (w/ Braille)	INFOGRAPHIC of male and braille to read: Women's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. refer to plans and ADA guidelines for exact location
L233	If you need assistance? ADA	Please ask if you need assistance. And ADA infographic	1/16 x 3 x 6	60" A.F.F.	1	At front counter

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT	LOCATION EQUIVALENT
L220	Landfill / Compost / Recycle	Landfill / Compost / Recycle	1/16 x 8.5 x 3	SEE 4/G4.0	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L222. Match label with shape on top of trash receptacle	L221 (use if restaurant is NOT COMPOSING)
L221	Landfill / Plastic, Metal, Glass / Paper	Landfill / Plastic, Metal, Glass / Paper	1/16 x 8.5 x 3	SEE 4/G4.0	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L223. Match label with shape on top of trash receptacle	L220 (use if restaurant is COMPOSING)

DATE	REMARKS
09.08.2021	Issued for Permit
2 12.02.21	Health Comments
01.20.22	Issued for Bid



ENDEAVOR 2.0
SIGNAGE PLAN

G4.0

PLOT DATE: 1/18/2022 3:44:58 PM

 **LANDFILL**

 **COMPOST**

 **RECYCLE**

3 STREAM TRASH 1 - BIN LABELS (L220) **13**



WOMEN RESTROOM WHITE SIGN (L208) **9**

EXIT

EXIT BRAILE SIGN (L204) **5**



This is a smoke-free establishment

NO SMOKING SIGN (L201) **1**

 **LANDFILL**

 **PLASTIC,
METAL, GLASS**

 **PAPER**

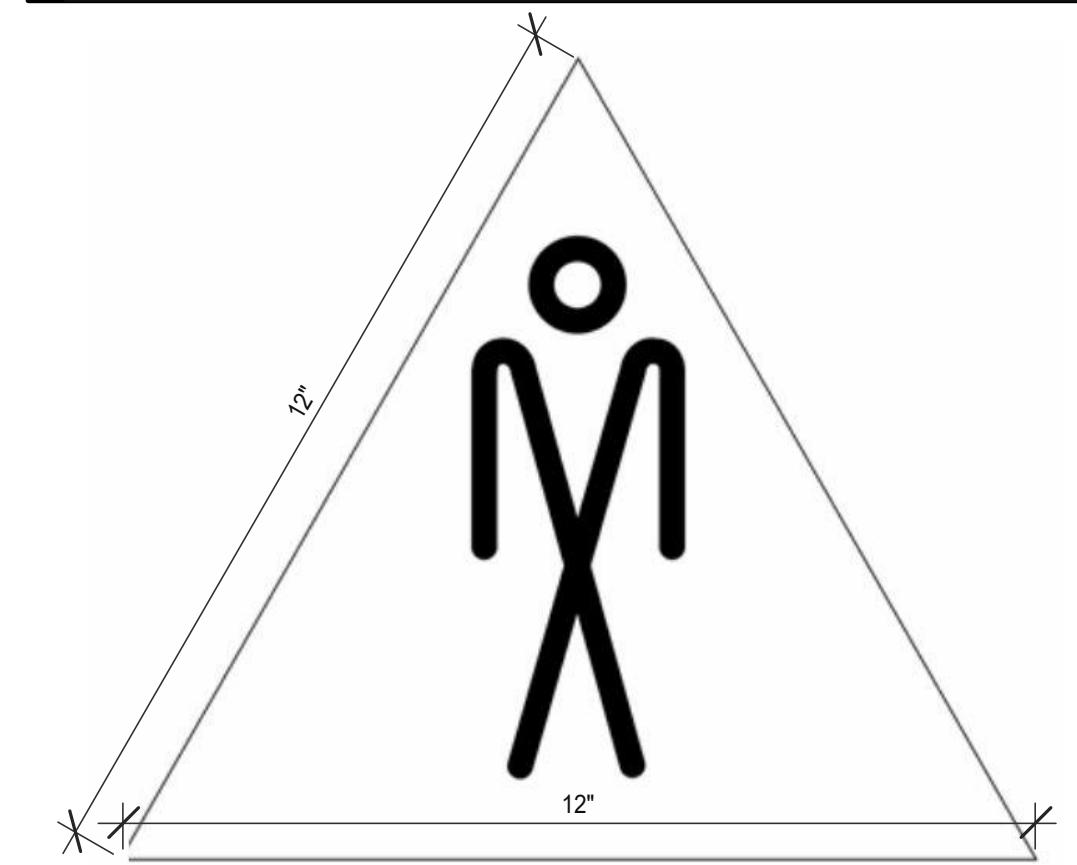
3 STREAM TRASH 2 - LABELS (L221) **14**



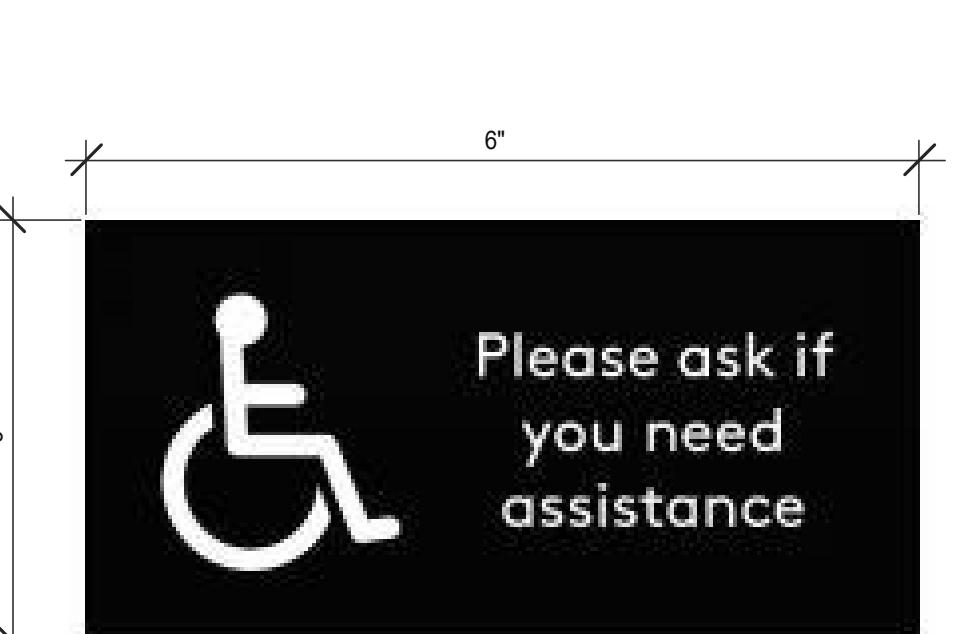
WOMEN RESTROOM BRAILLE SIGN (L209) **10**

**MAXIMUM
OCCUPANCY
150
PERSONS**

OCCUPANCY SIGN (L205) **6**



GENDER NEUTRAL RESTROOM SIGNAGE (L228) **11**



IF YOU NEED ASSISTANCE (L233) **12**

MEN RESTROOM BRAILE SIGN (L207) **8**



MEN RESTROOM BRAILE SIGN (L207) **8**

**TO OUR
CUSTOMERS**

We check our restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our manager on duty

Thank you

CLEAN RESTROOM SIGN (L202) **3**



HAND WASH NOTICE SIGN (L203) **4**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28

TACO BELL

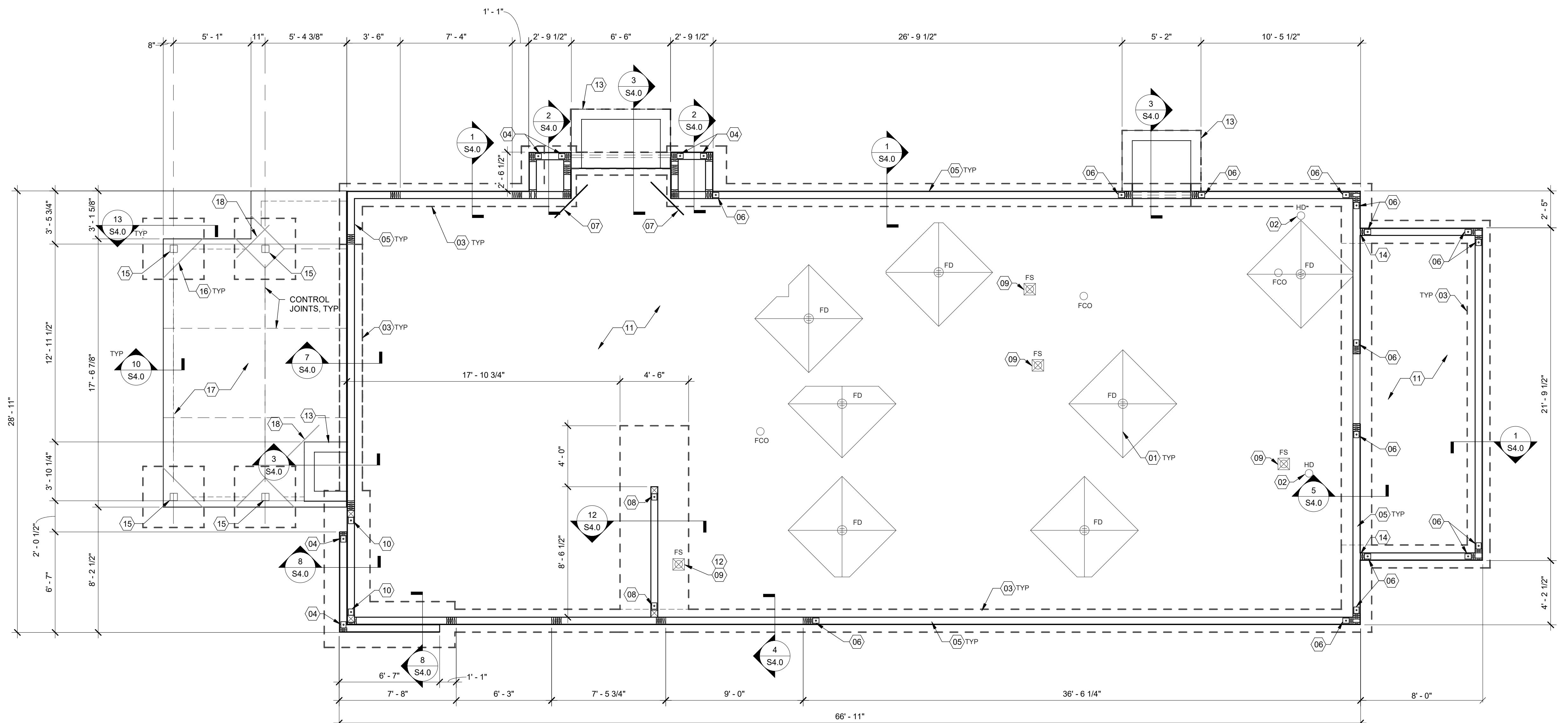
36505 26 MILE RD.
LENOX TWP, MI 48448



ENDEAVOR 2.0
**SIGNAGE
DETAILS**

G4.1

PLOT DATE: 1/18/2022 3:45:01 PM



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611

PA/PM: SM
DRAWN BY: RB
JOB NO.: 2019088.28
TACO BELL
36505.26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0 FOUNDATION PLAN

S1.0

PLOT DATE: 1/19/2022 7:29:26 AM

COMPONENT AND CLADDING WIND LOAD SCHEDULE					
EFFECTIVE WIND AREA (SQ. FT.)	ROOF		WALL		
	CORNER ZONE (PSF)	END ZONE (PSF)	INTERIOR ZONE (PSF)	END ZONE (PSF)	INTERIOR ZONE (PSF)
<=10	+16.0/-7.7	+16.0/-48.3	+16.0/-28.8	+28.8/-38.6	+28.8/-31.2
20	+16.0/-60.2	+16.0/-43.2	+16.0/-28.0	+27.4/-35.9	+27.4/-29.8
50	+16.0/-43.6	+16.0/-36.4	+16.0/-27.1	+25.7/-32.5	+25.7/-28.1
100	+16.0/-31.2	+16.0/-31.2	+16.0/-26.3	+24.4/-29.8	+24.4/-29.8
>500	+16.0/-31.2	+16.0/-31.2	+16.0/-26.3	+24.4/-29.8	+24.4/-29.8

FOUNDATION NOTES - TYP U.N.O.:

FOUNDATION
A. GEOTECHNICAL INFORMATION WAS NOT AVAILABLE FOR THE DESIGN OF THE FOUNDATIONS. A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PROVIDE CONSTRUCTION REVIEW, TO TEST EXISTING SOIL CONDITIONS AND ENSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS DURING THE EXCAVATION, BACKFILL, AND CONCRETE PLACEMENT. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF SOILS ENCOUNTERED DO NOT MEET ASSUMED DESIGN CAPACITY.

B. THE FOUNDATIONS HAVE BEEN DESIGNED FOR AN ASSUMED SOIL BEARING PRESSURE OF 2000 PSF. ON-SITE GEOTECHNICAL ENGINEER SHALL VERIFY THAT ALL BEARING SURFACES MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY. THE FOUNDATION SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE DEPTH AS REQUIRED BY ON-SITE GEOTECHNICAL ENGINEER. SOILS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR DURING EXCAVATION IN DEPTH AND WIDTH SHALL BE FILLED WITH LEAN CONCRETE, OR COMPAKTED, APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM THE EXCAVATION PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT THE FOUNDATION DEPTH SHOWN, NOTIFY OWNER'S REQUESTED TEST AND ENGINEER BEFORE CONTINUING CONSTRUCTION.

C. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.

D. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. ALTERNATIVELY, PROVIDE A CONCRETE JACK-UP BASES TO LOWER END OF PIPE. ALLOW THE FOOTINGS AND GRADE BEAMS, LOWER FOUNDATIONS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.

E. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY CONSTRUCTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

F. DO NOT USE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.

H. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

CONCRETE:
CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

MIN STRENGTH 28 DAY PSI	AGGREGATE SIZE - INCHES	SLUMP INCHES	TOLERANCE
LOCATION SLAB ON GRADE FOUNDATIONS (4000 DESIGN)	1" x 4" 1" x 4"	3-1/2" 3-1/2"	±1/2" ±1/2"

FOUNDATION NOTES

D

SPECIAL INSPECTIONS

C

FOUNDATION KEYNOTES

B

SPECIAL INSPECTIONS:
SPECIAL INSPECTIONS ARE TO BE PROVIDED IN ACCORDANCE WITH SECTION 1704. SPECIAL INSPECTIONS SHALL BE IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE DEPARTMENT OF BUILDING SAFETY AND SHALL NOT BE CONSIDERED TO RELIEVE THE OWNER OR THEIR AUTHORIZED AGENT FROM REQUESTING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY THE BUILDING CODE. SPECIAL INSPECTION SHALL BE PAID BY THE OWNER.

REQUIRED SPECIAL INSPECTIONS:

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE:

A. SOILS COMPLIANCE PRIOR TO FOUNDATION INSPECTION (COMPACTING FILL, SPECIAL GRADING)
B. STRUCTURAL CONCRETE OVER 2,500 PSI

SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE AND SHALL PERFORM THE DUTIES AND RESPONSIBILITIES AS OUTLINED IN THE BUILDING CODE. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE CODE OFFICIAL, ENGINEER AND OWNER.

01 SLAB SHALL BE PITCHED 1/2" FOR 5'-0" x 5'-0" SQUARE AT ALL FLOOR DRAINS U.O.N. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.

02 PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).

03 INDICATED INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.

04 HTT5 HOLDOWN ANCHOR. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

05 ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE DS2.0.

06 HDU5 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

07 (2) #4x3"-LG. RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.

08 HD19 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

09 FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.

10 HD12 HOLDOWN ANCHOR AT EACH END OF FRONT SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

11 (2) #4x3"-LG RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.

12 FORM FOOTING TO ACCOMMODATE FLOOR SINK AND DRAIN LINE INSTALLATION.

13 FROST SLAB - SEE CIVIL PLANS FOR TOP OF CONCRETE ELEVATION.

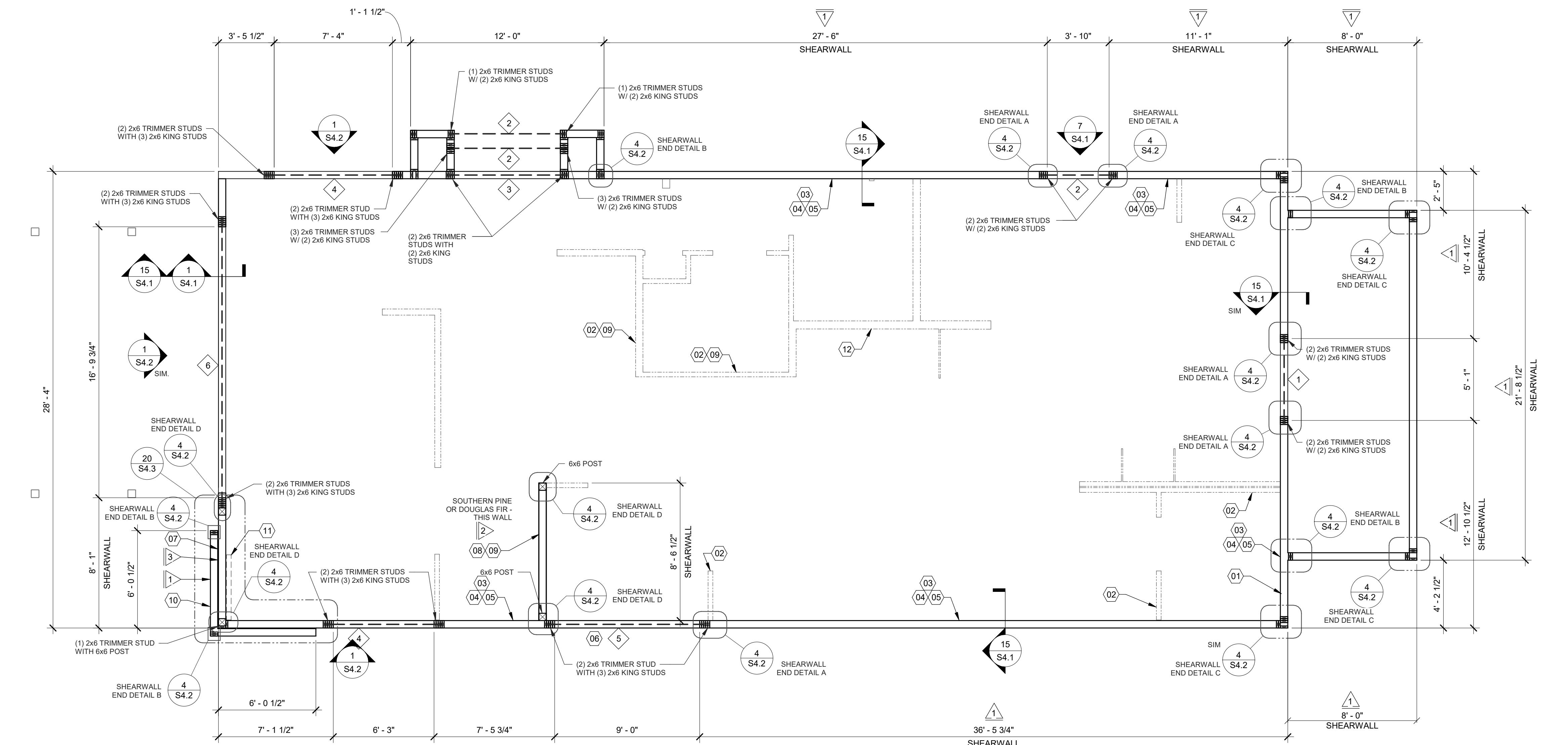
14 SHEAR WALL SHEATHING SHALL BE CONTINUOUS AT COOLER WALL INTERSECTION.

15 HSS6x6x3/16 COLUMN WITH 3/4x1"-0x1x1"-0" BASE PLATE.

16 SLAB ISOLATION JOINT AT CANOPY COLUMNS. TYPICAL.

17 4" EXTERIOR CONCRETE SLAB REINFORCED WITH 4x4-
W.2.9xW.2.9 W.F. (CENTERED IN SLAB) OVER 4" COMPACTED
GRANULAR FILL OVER COMPACTED SUBGRADE. SEE SLAB NOTES THIS SHEET FOR ADDITIONAL INFORMATION. REFER TO CIVIL PLAN FOR EXTENTS OF SLAB.

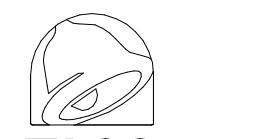
18 (2) #4x3"-LG RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RB
 JOB NO.: 201908.28

TACO BELL

36505.26 MILE RD.
LENOX TWP, MI 49048
ENDEAVOR 2.0
WALL FRAMING PLAN

S2.0

PLOT DATE: 1/19/2022 7:29:27 AM

HEADER SCHEDULE		
MARK	BUILT-UP SECTION	BUILT-UP MANUF. MEMBER
①	(3)2x8	--
②	(3)2x10	--
③	(3)2x12	--
④	--	5 1/4" x 9 1/4" PSL
⑤	--	5 1/4" x 11 1/4" PSL
⑥	--	5 1/4" x 14" PSL

NOTES:
 1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHEDE PIECES. REF: 14/S4.1
 2. PSL BEAMS TO HAVE FOLLOWING MIN. PROPERTIES:
 Fb = 2900 PSI
 Fc = 750 PSI
 Fv = 290 PSI
 E = 2000 KSI

WALL SHEATHING AND SHEARWALL SCHEDULE					
SW	SHEATHING	EDGE	FIELD	PLATE / ANCHOR BOLT	REMARKS
①	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (22x3) @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
②	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 3" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (18x3) @ 16" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF STUDS
③	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	5/8" DIA. F1554, (22x3) @ 16" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF WALL
...	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554, (22x3) @ 48" O.C. W/ WASHER	NAILING AT HEADERS PER 14/S4.1

*** REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS
 1. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
 2. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 3x ULING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS.
 3. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
 4. EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.

1. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.
 2. HD REFERS TO SIMPSON STRONGTIE CO. HOLDOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQS.
 3. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLDOWNS.
 4. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO WALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.

WALL FRAMING NOTES - TYP U.N.O.:

WALL FRAMING:

- EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE SOUTHERN PINE NO. 2. 6x6 POSTS TO BE SOUTHERN PINE NO. 2. INTERIOR WALL STUDS MAY BE STUD GRADE, BEAM SEAMS AND COLUMN CAVES.
- ALL STUDS AND COLUMNS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS. SEE SHEET A.1 FOR DIMENSIONS.
- ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICE OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE STRAPS USING 16d NAILS ON 2X MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
- THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
- ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESSURE TREATED.
- ALL WOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
- ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICE OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE STRAPS USING 16d NAILS ON 2X MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
- THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
- USE PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.

STUD LAYOUT:

- LAYOUT STUDS ON SIDEWALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
- LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

- COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
- INTERIOR NON-BEARING STUD WALL FRAMING; REFER TO SHEET A.1 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 10 & 11/S4.1 AND WALL FRAMING NOTES.
- (2) 2x6 TOP PLATES - SPLICE PER 16/S4.1. U.O.N. REF: 1/S4.3 FOR PARAPET CAP DETAIL.
- TOP OF TRUSS BEARING PLATE. SEE DETAIL 2/S4.1.
- TOP OF PARAPET. SEE S3.0.
- ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.
- EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH TOWER FRAMING - TYPICAL.
- INTERIOR SHEAR WALL. FRAMING FOR 2x STUDS, BLOCKING, & SILL PLATE SHALL BE SOUTHERN PINE OR DOUGLAS FIR AT THIS WALL. PROVIDE 6x6 POST AT EACH END OF WALL.
- COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0.
- FRAMING ON THICKENED CONCRETE FOUNDATION / PIER; SEE SHEETS S1.0 AND S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF STUD.
- 2x4 FRAMING FOR ALCOVE. SEE ARCHITECTURAL.
- COLD-FORMED STUD WALL (NON-LOAD BEARING STUD WALL). SEE ARCH.

HEADER SCHEDULE

E

WALL SHEATHING AND SHEARWALL SCHEDULE

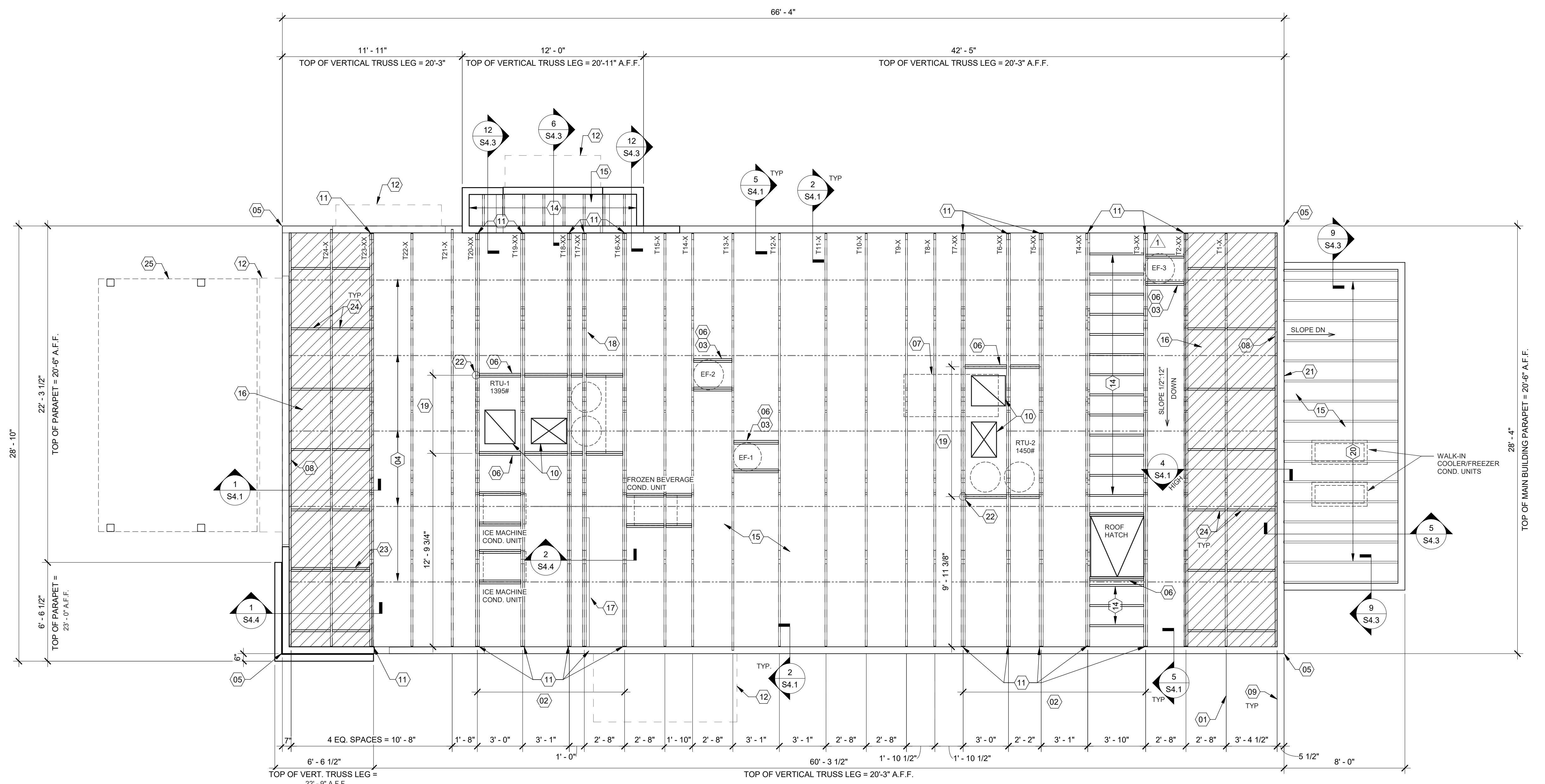
D

WALL FRAMING NOTES

C

WALL FRAMING KEYNOTES

B



DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RB
 JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048
**ENDEAVOR 2.0
ROOF FRAMING
PLAN**

S3.0

PLOT DATE: 1/19/2022 7:29:29 AM

ROOF NAILING SCHEDULE		
TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	
EN	10d @ 6" O.C.	
FN	10d @ 12" O.C.	
ROOF SHEATHING	23/32" CDX PLYWOOD (48/24), PS1 RATING	

NOTES:
 SEE S4.2 FOR DEFINITIONS AND ROOF NAILING PLAN.
 SEE 11/S4.2 FOR TYPICAL NAILING SCHEDULE.

ROOF FRAMING NOTES:
 A. ALL SUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON 90S4.2 CLIPS EQUALLY SPACED BETWEEN EACH TRUSS SUPPORT. SEE DETAIL 90S4.2. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
 B. ALL MECHANICAL SUPPORT AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.

MANUFACTURED ROOF TRUSS NOTES:
 A. MFRD ROOF TRUSS ARE AT 2"-0" O.C. U.O.N.
 B. "T" TYPE ROOF TRUSS TYPE. REFER TO SCHEDULE 7/S4.2.
 C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR. SHALL SUBMIT SHOP DWGS. AND CALCS BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF MICHIGAN). SUBMIT SHOP DWGS. AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. THE REQUEST FOR DRAWING APPROVAL SHALL BE MADE BY THE FABRICATOR. SHOP DWGS. SHALL INCLUDE A LAYOUT PLAN AND CONNECTOR CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR. SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS. PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER FOR REVIEW AND COMMENT.

D. TRUSS MFG. SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.
 E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.
 F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE INDICATED ON THE DRAWINGS. SEE 2/S4.2.
 G. MFR. SHALL PROVIDE TRUSS DESIGN LOADS. SEE TRUSS DESIGN CRITERIA 3/S4.2.
 H. THE POSITION, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT. FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSS BY THE TRUSS MFR.

I. DESIGN ROOF TRUSSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSSES AS SPECIFIED AS MINIMUM STANDARD.

J. INSTALLATION OF ALL TRUSSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.
 K. IMPROPER HANDLING OF THE TRUSSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
 L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

DELEGATED DESIGN NOTE:
 ALL DEFERRED SUBMITTALS SHALL CONTAIN SHOP DRAWING PLANS AND DESIGN CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED (OTHER THAN THE ENGINEER OF RECORD) IN THE STATE OF MICHIGAN. THE DEFERRED SUBMITTALS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW OF GENERAL CONFORMANCE WITH THE BUILDING DESIGN PER SUBMITTAL. THE REQUEST FOR DRAWING APPROVAL SHALL BE MADE BY THE FABRICATOR. DEFERRED SUBMITTALS SHALL BE REVIEWED AND APPROVED BY THE LOCAL BUILDING OFFICIALS PRIOR TO INSTALLATION. THE FOLLOWING ITEMS SHALL BE SUBMITTED PER THIS SECTION. (REFER TO PLANS FOR ADDITIONAL INFORMATION):

- AWNING & CANOPY
- MANUFACTURED WOOD ROOF TRUSSSES
- SHORING

01 STARTING POINT OF TRUSS LAYOUT.
 02 VERIFY NECESSITY OF DOUBLE TRUSSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.

03 COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.

04 CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS. MAX SPACING AT 7'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 8 & 9/S4.1 FOR BRIDGING LAP DETAIL.

05 SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.

06 (2) 2x6 BLOCKING W/ U26 HANGERS, TYP. AT EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/S4.2.

07 LOC. OF HOOD: SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 13/S4.1.

08 (2) 2x6 LEDGER REF. 6/S4.1.

09 DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.

10 HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.

11 (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP. AT GIRDERS. TRUSS ONLY. SEE DETAIL 12/S4.2.

12 CANOPY- SEE ARCH. DWGS.

13 NOT USED.

14 2x6 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END.

15 PLYWOOD ROOF SHEATHING. SEE NAILING SCHEDULE, THIS SHEET.
 16 HATCH DENOTES LOCATION OF KICKERS. SEE 1/S4.4 FOR ADDITIONAL INFORMATION REGARDING KICKERS.

17 INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS. SEE DTL. 2/S4.4.

18 DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS. DESIGN DRAG TRUSS FOR 405 PLF (ASD, 0.6" W) ALONG TOP CHORD OF TRUSS (11,632 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 3" O.C. ALONG ENTIRE LENGTH OF TRUSS.

19 SEE MECHANICAL DRAWINGS FOR SIZE OF SELECTED RTU OPTION.

20 2x10 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END. PROVIDE CONT. BLOCKING BETWEEN 2x's AT MIDS PAN.

21 PORTION OF PARAPET IS ABOVE ROOF OF WALK-IN COOLER. SEE ELEVATION FOR DETAILS.

22 RTU LOCATION POINT.

23 (2) 2x6 BLOCKING W/ U26 HANGERS EACH END AT 24" O.C. BELOW KICKERS.

24 2x BLOCKING AT BRACES. SEE 1 & 4/S4.4

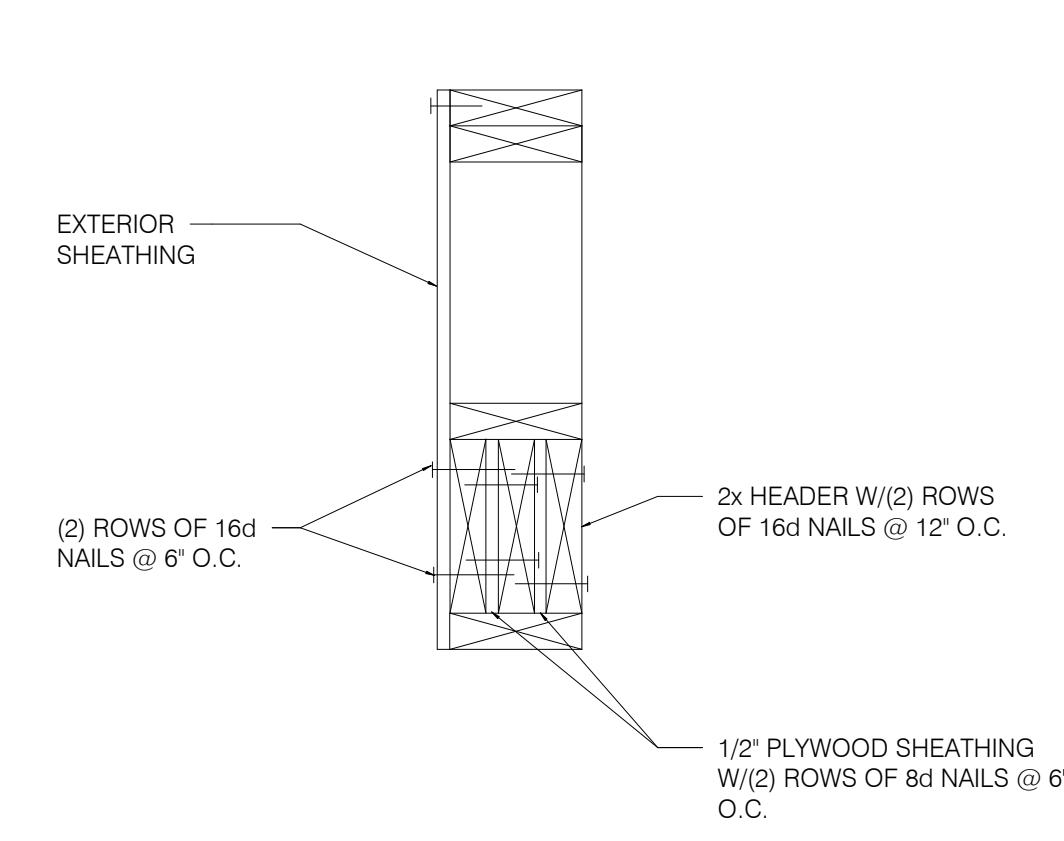
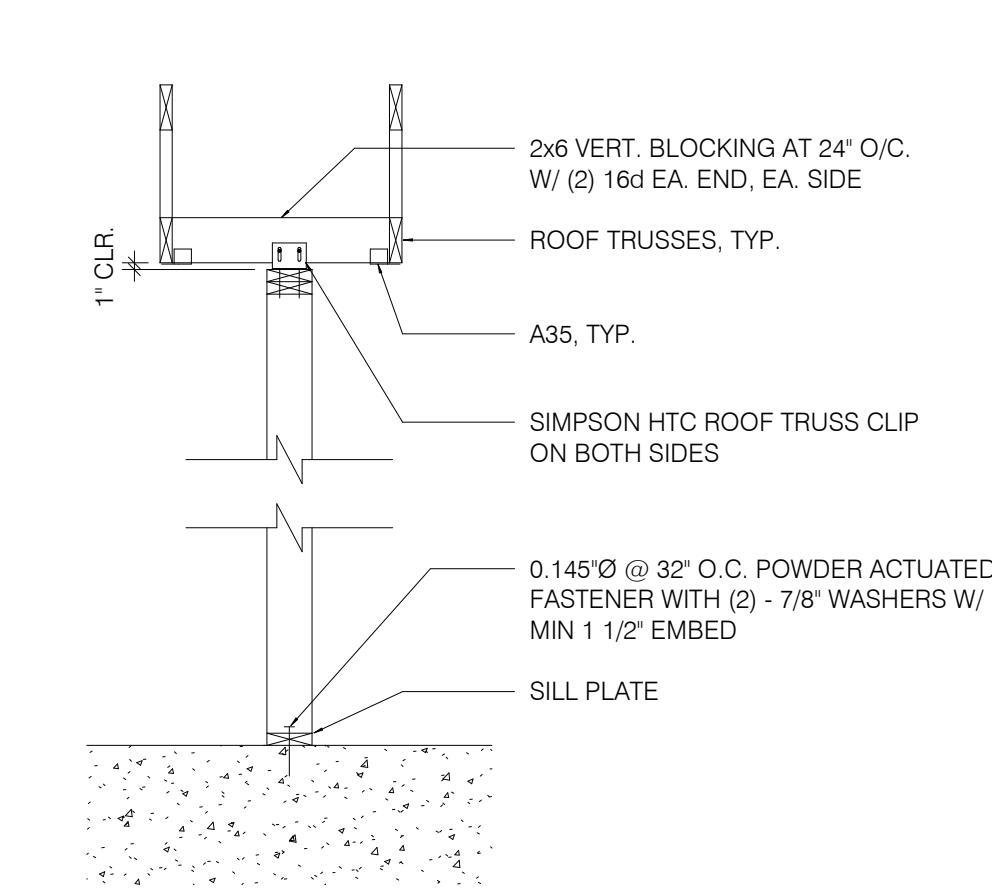
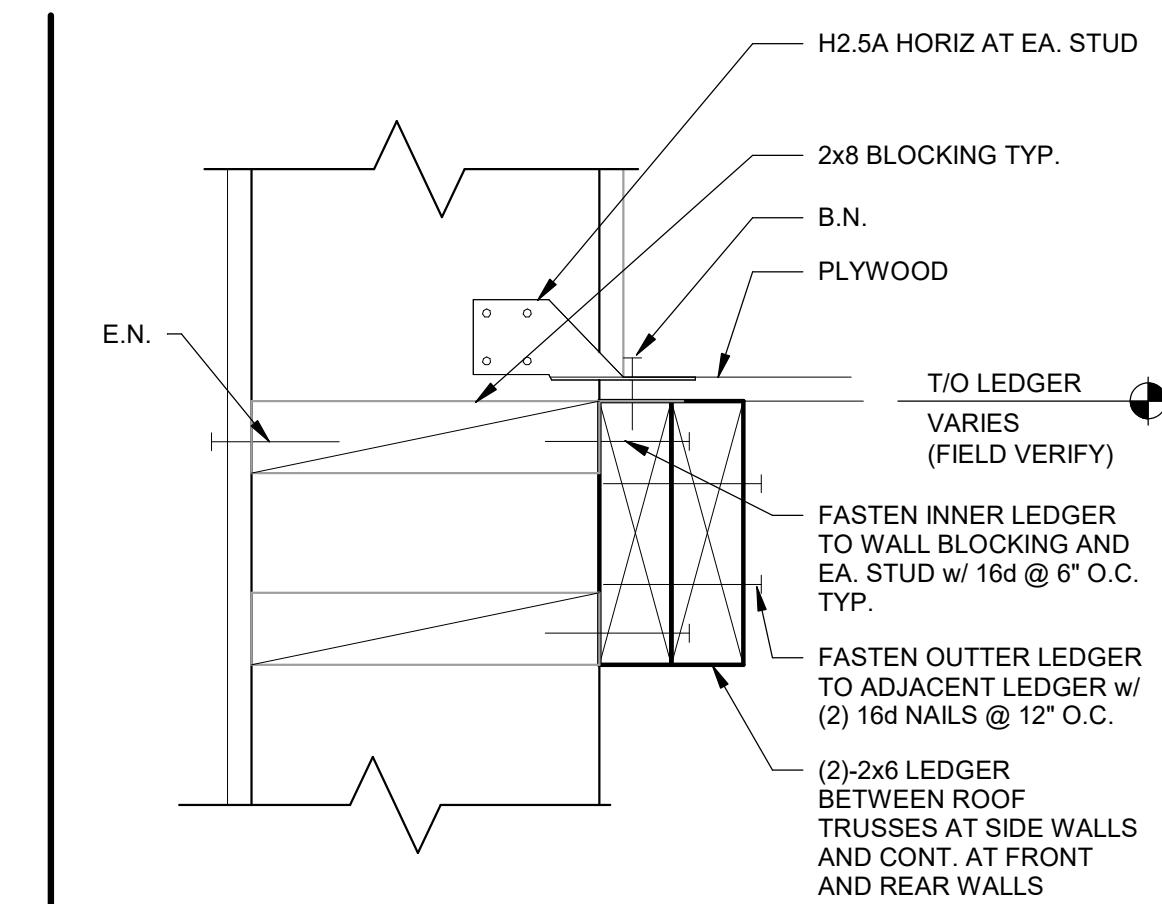
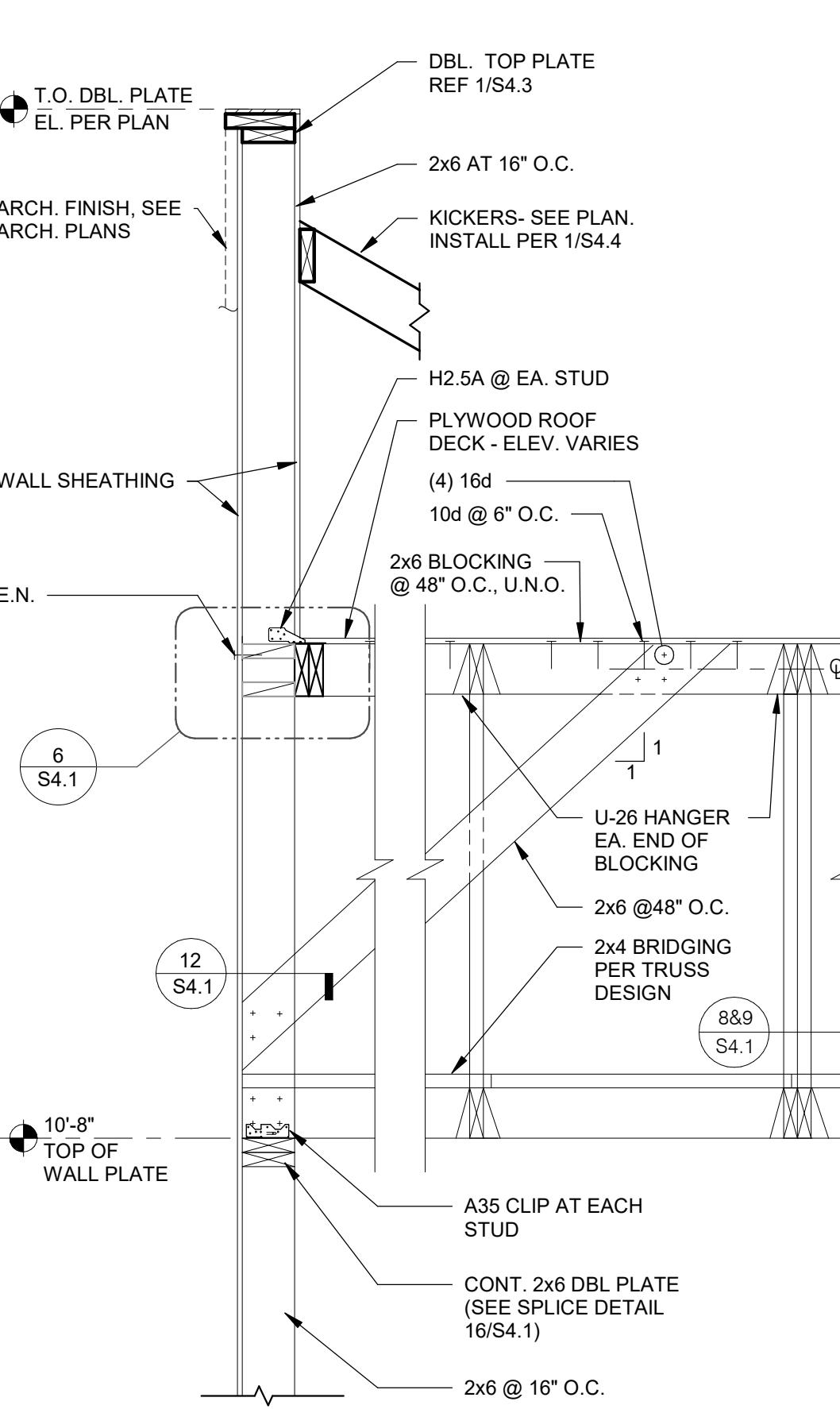
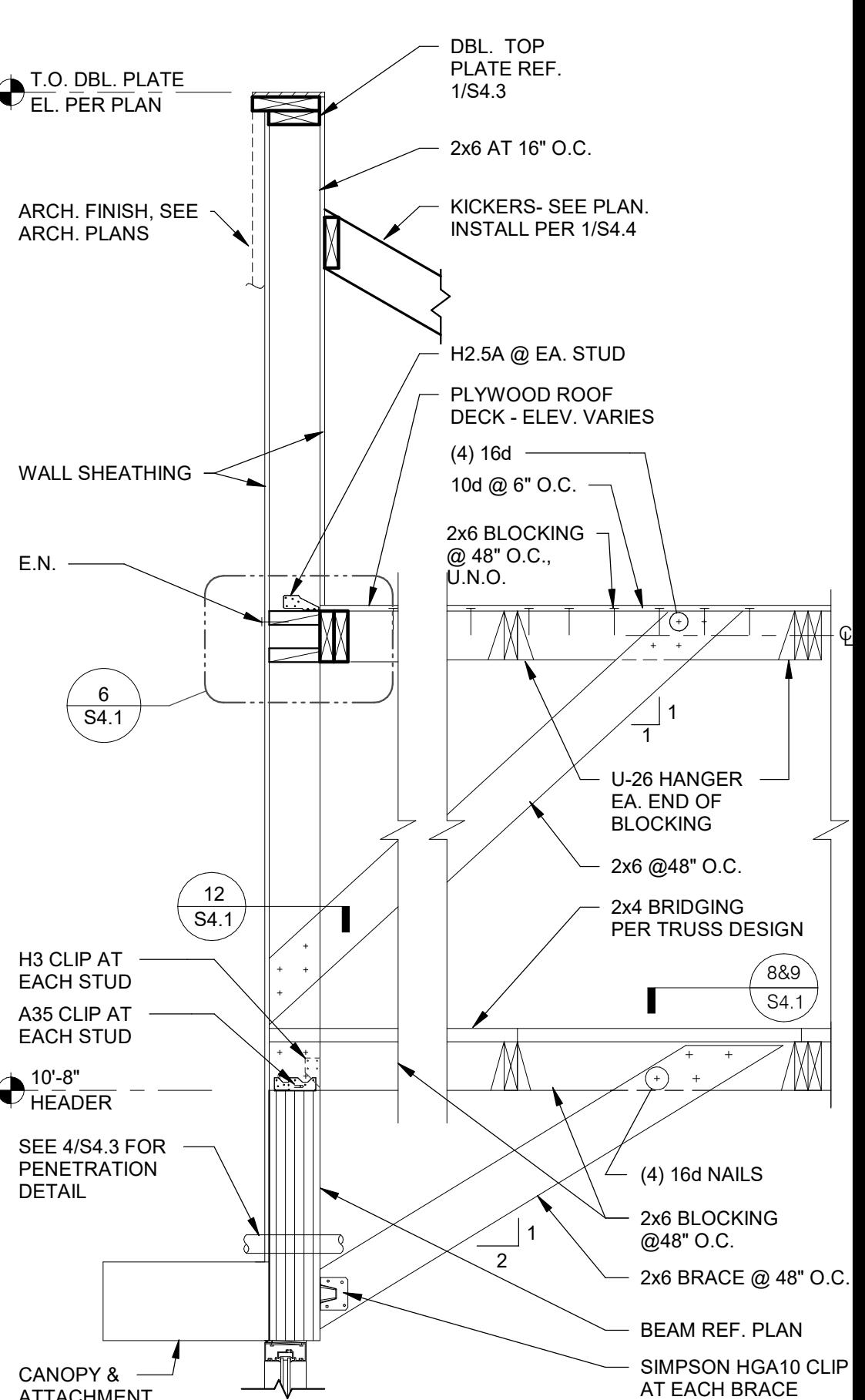
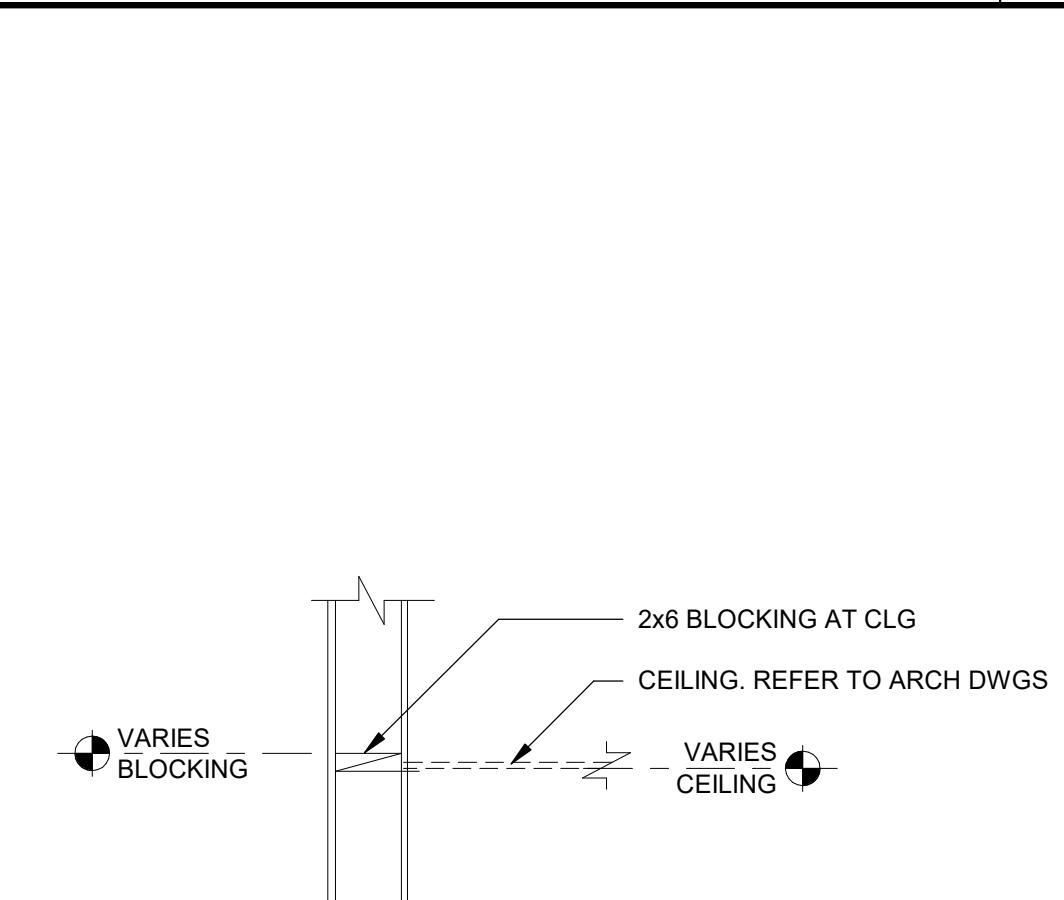
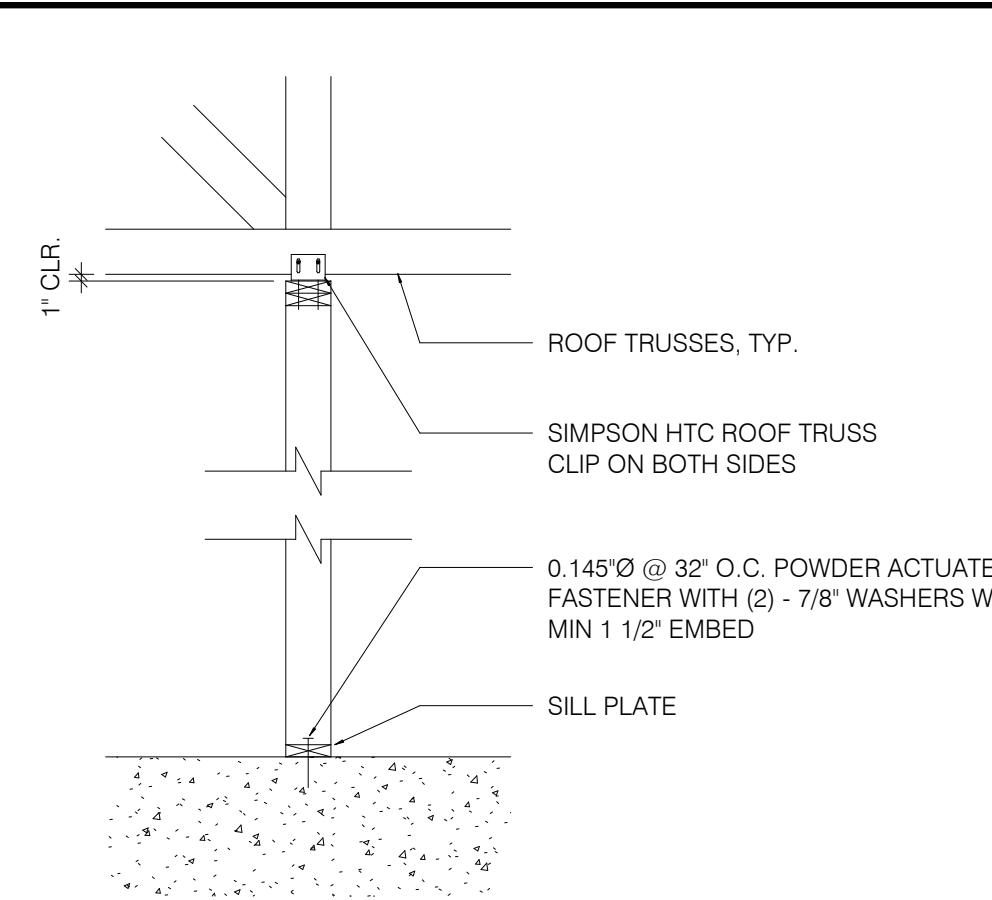
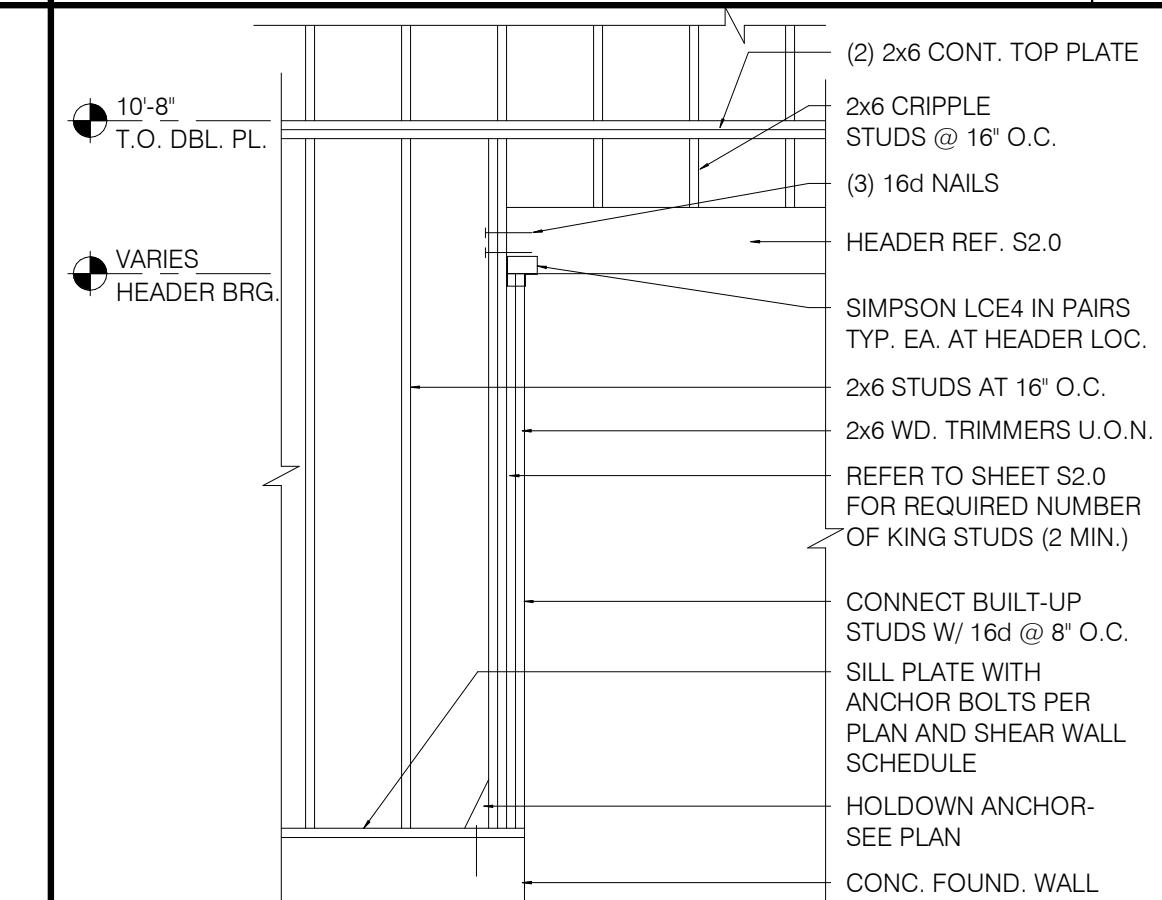
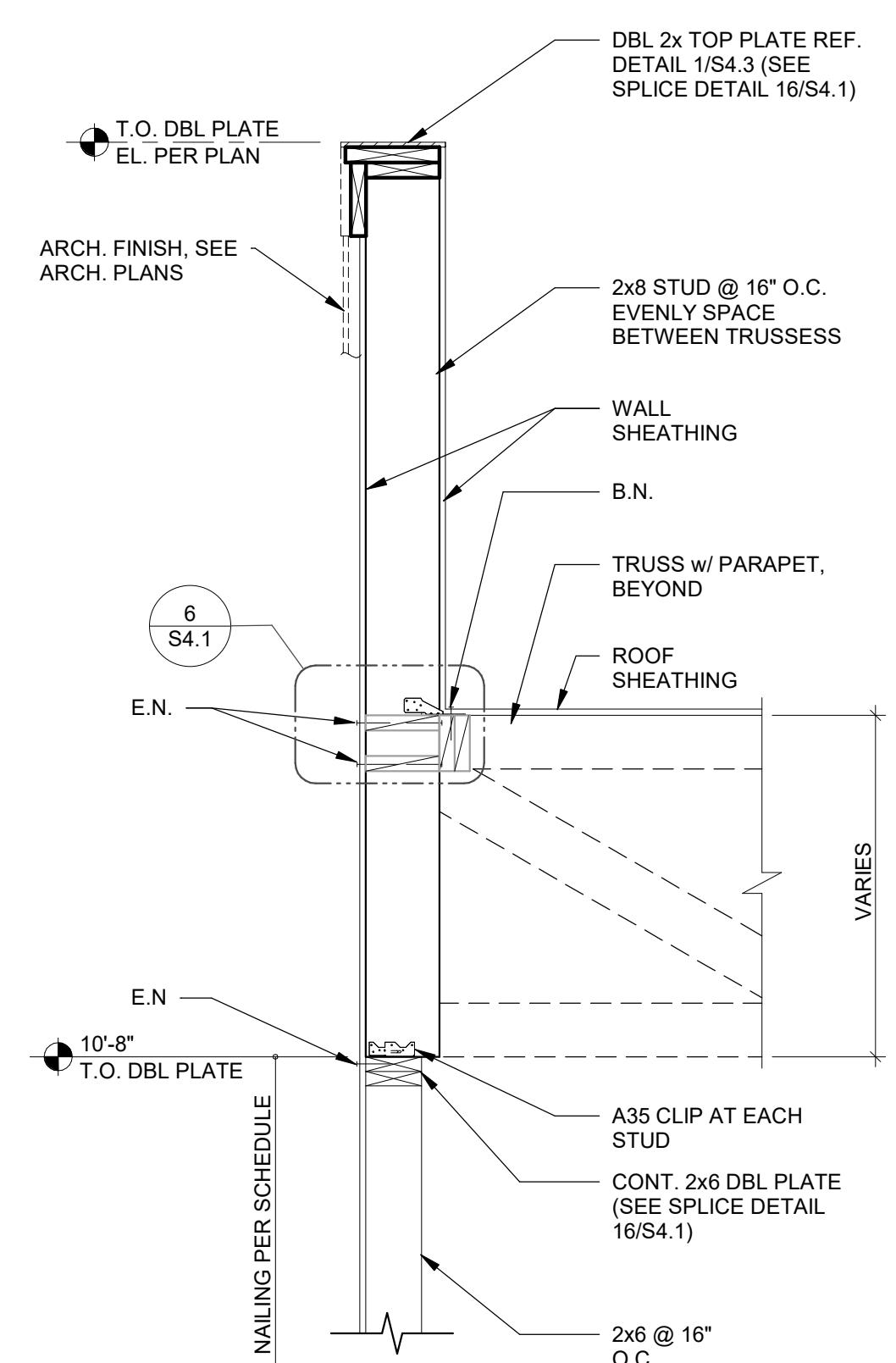
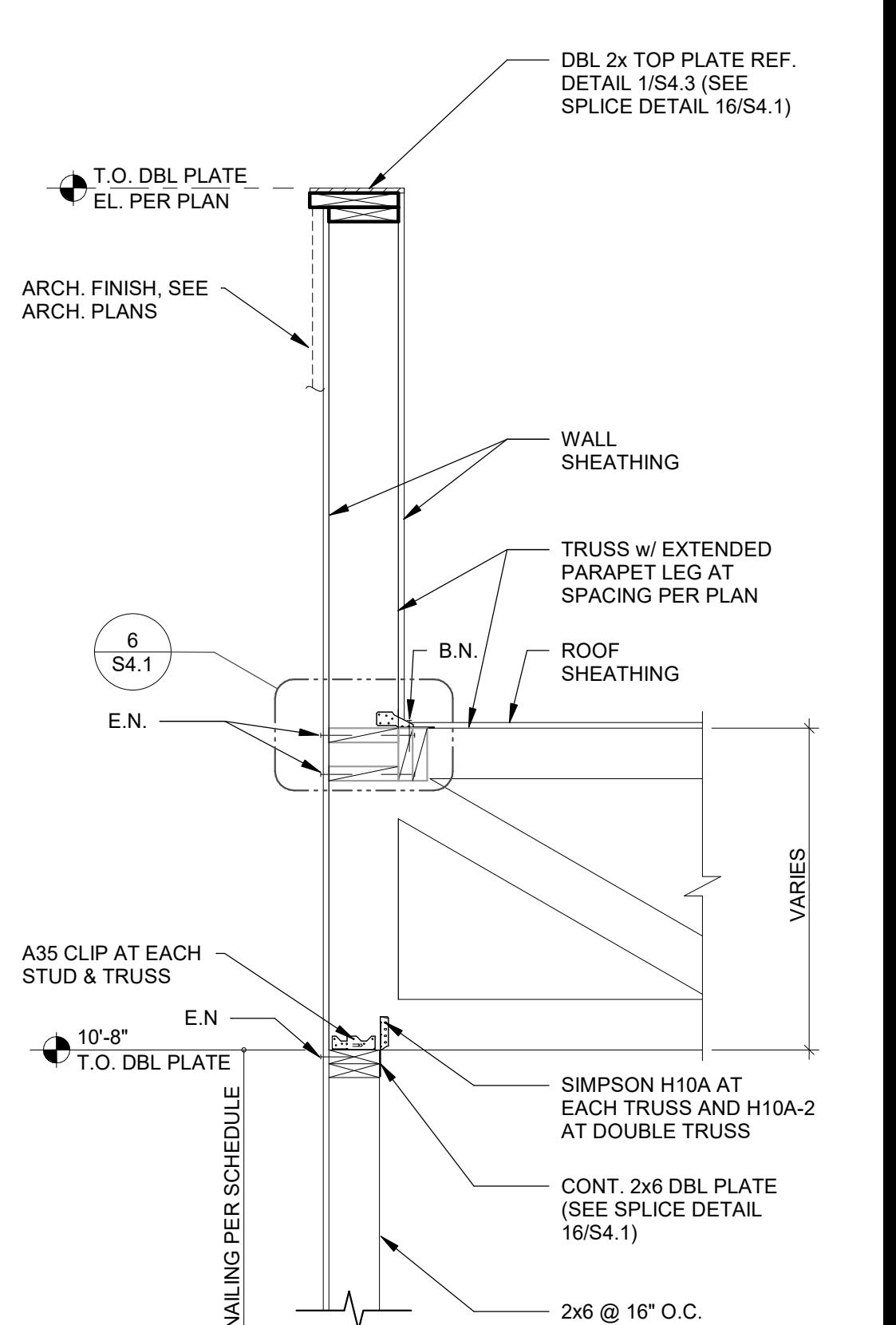
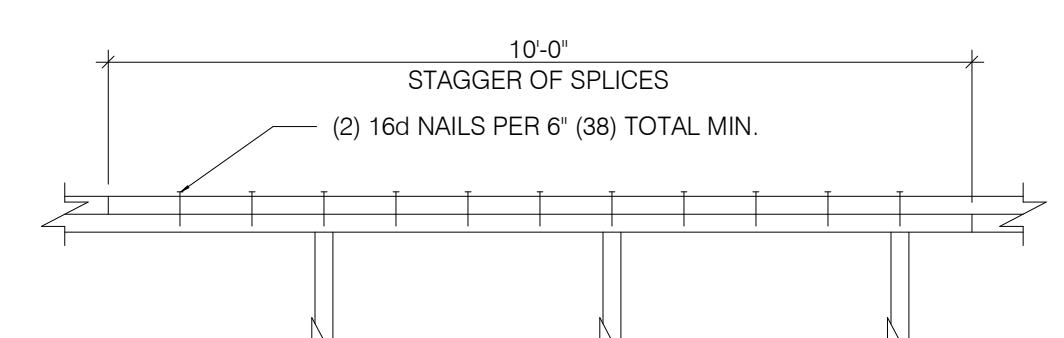
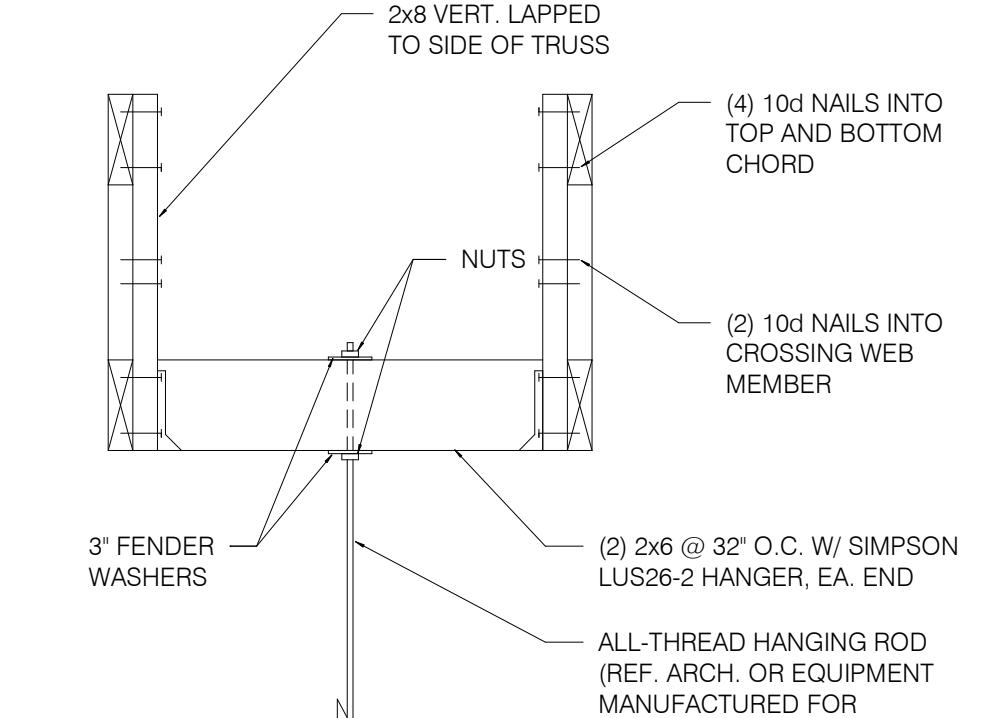
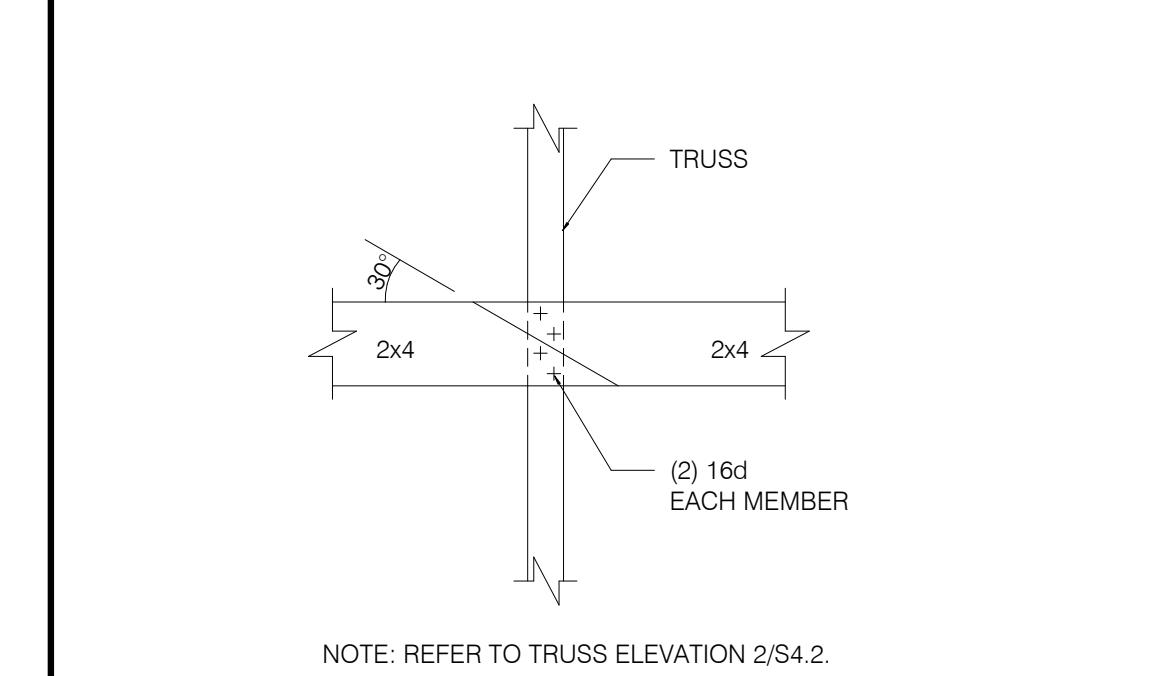
25 OUTLINE OF CANOPY FRAMING. SEE CANOPY FRAMING PLAN ON SHEET S4.5 FOR CANOPY ROOF FRAMING.

ROOF FRAMING NOTES

C

ROOF FRAMING KEYNOTES

B

**TYP. MULTIPLE HEADER** 1-1/2" = 1'-0" **14****SUPPORT - PARALLEL TO TRUSS** 1/2" = 1'-0" **10****LEDGER DETAIL** 3" = 1'-0" **6****SUPPORT PERP. TO TRUSS** 1/2" = 1'-0" **11** **FRAMING ELEVATION AT OPENING** N.T.S. **7****REAR WALL SECTION** N.T.S. **4** **FRONT WALL SECTION** N.T.S. **1****TYPICAL WALL BELOW TRUSS** 3/4" = 1'-0" **15****BRIDGING DETAIL** 3" = 1'-0" **12****BRIDGING LAP DETAIL** 1/4" = 1'-0" **8****SIDE WALL AT PARAPET STUD** 3/4" = 1'-0" **5****SIDE WALL AT TRUSS** N.T.S. **2****PLATE LAP DETAIL** 1" = 1'-0" **16****HANGING BULKHD. OR HOOD DETL.** N.T.S. **13****BRIDGING LAP DETAIL AT OPEN CLG.** N.T.S. **9**

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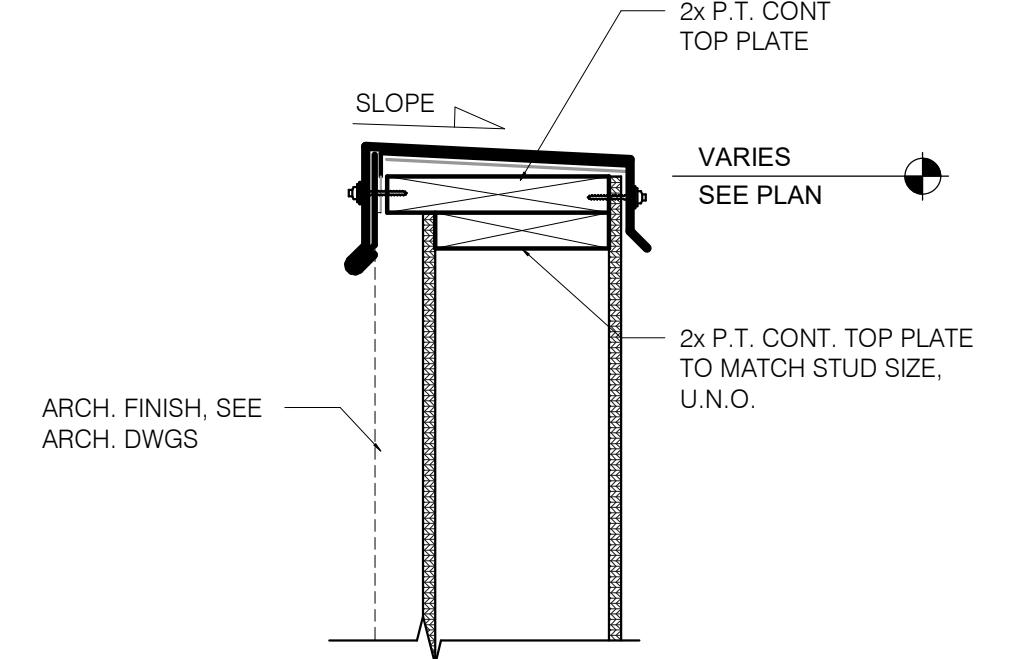
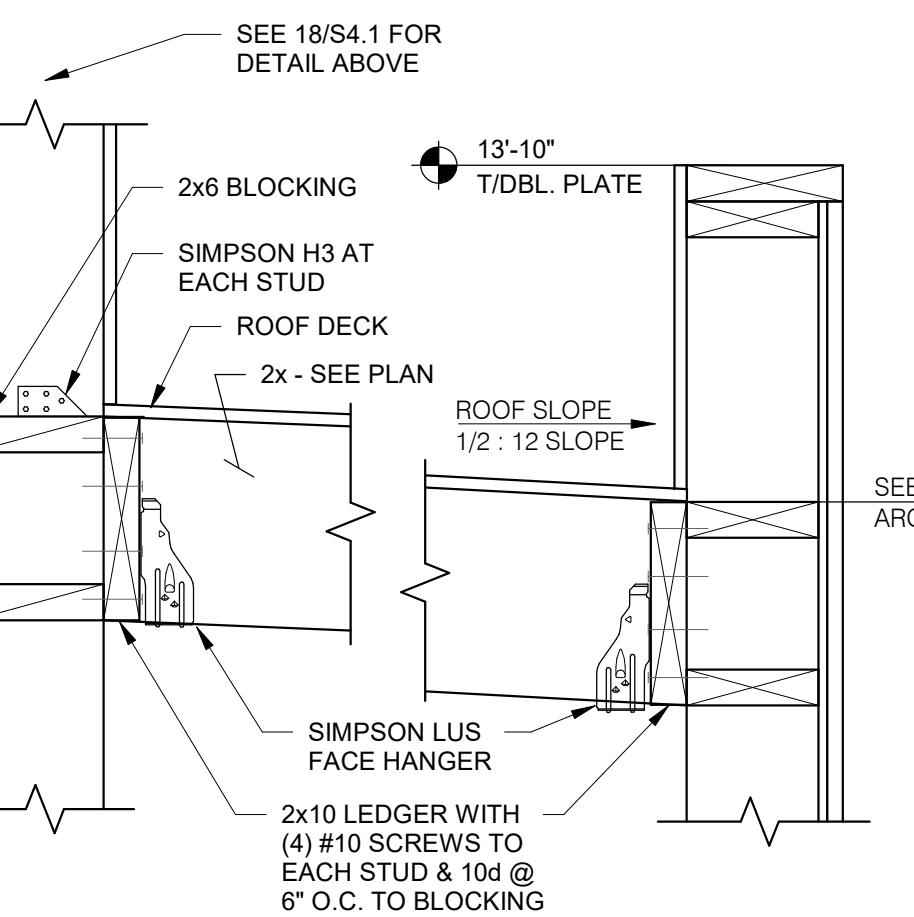
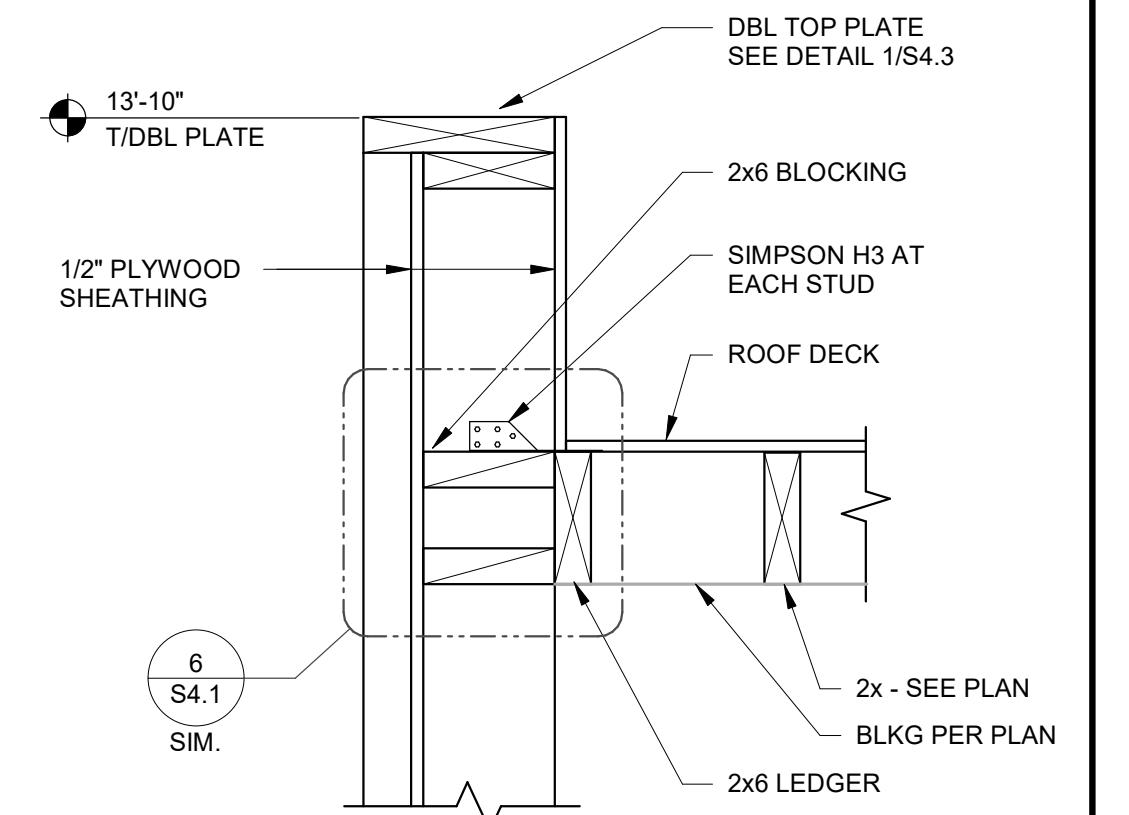
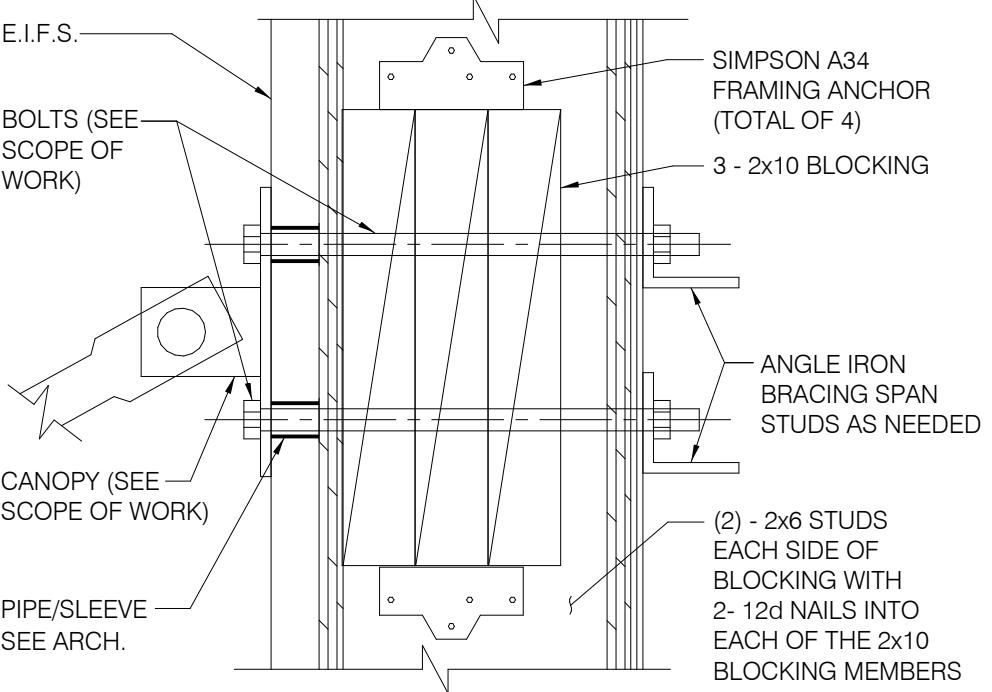
TACO BELL
 36505 26 MILE RD.
 LENOX TWP, MI 48048



ENDEAVOR 2.0
STRUCTURAL DETAILS

S4.1

PLOT DATE: 1/19/2022 7:29:33 AM

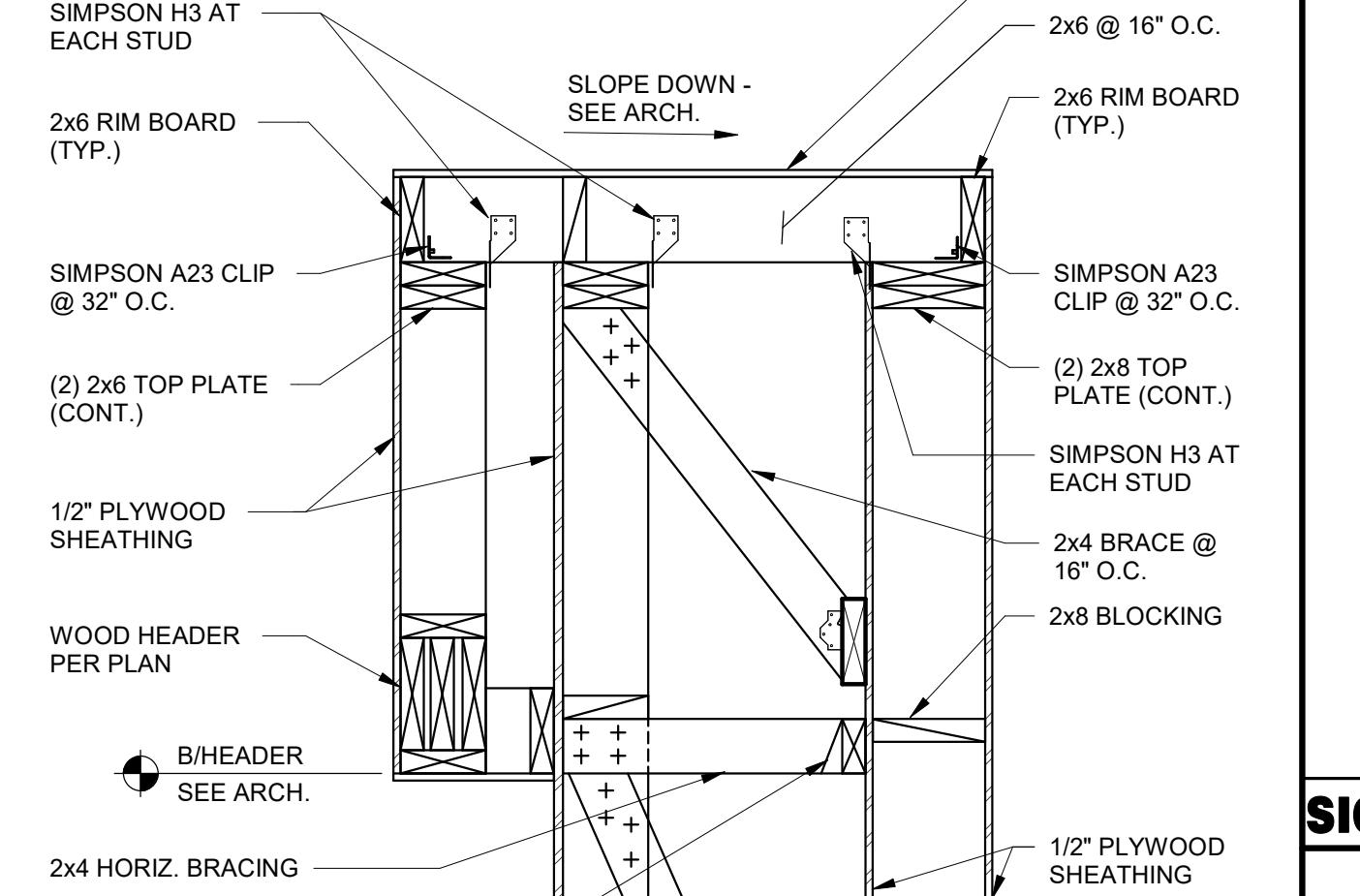
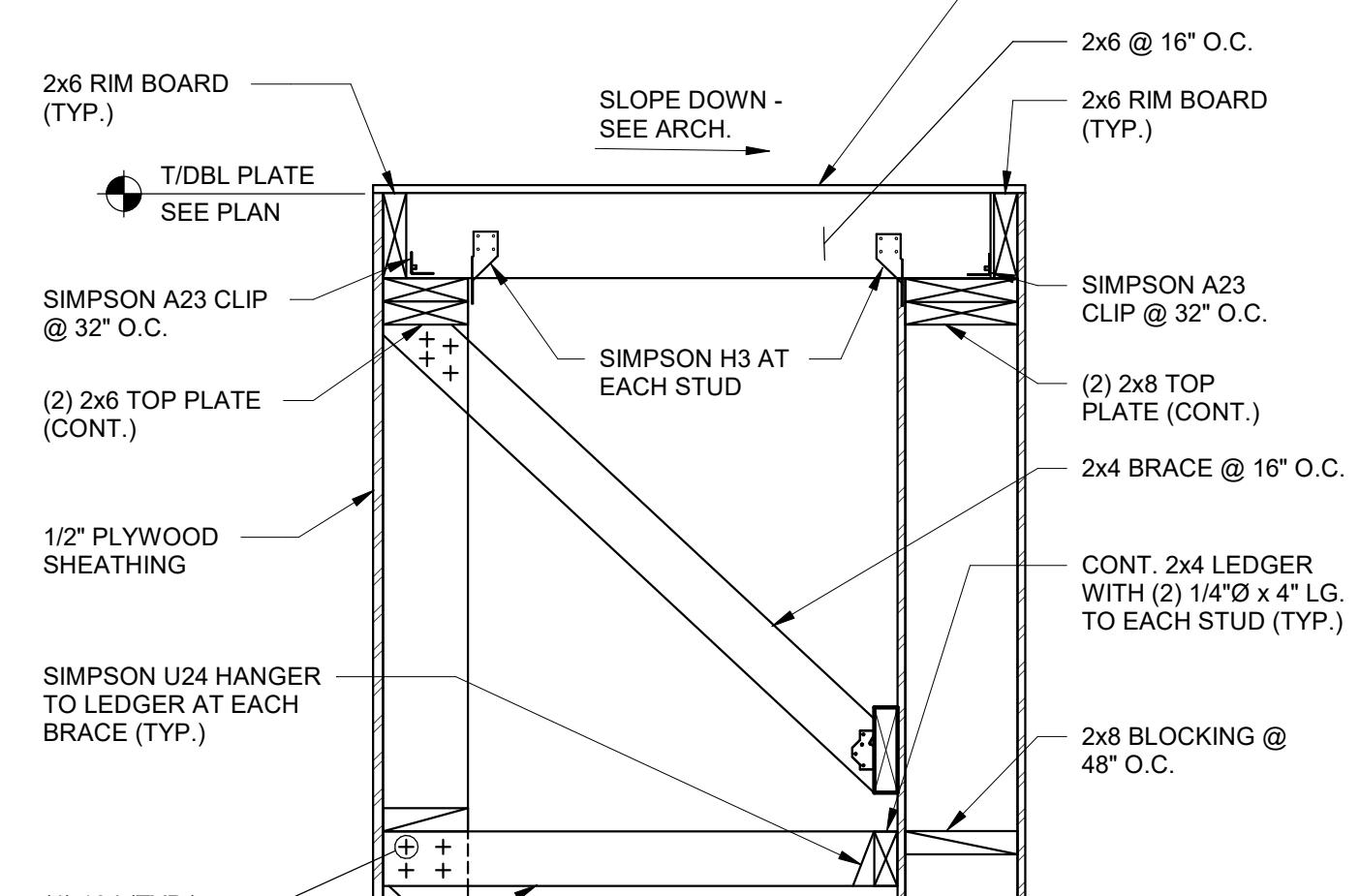
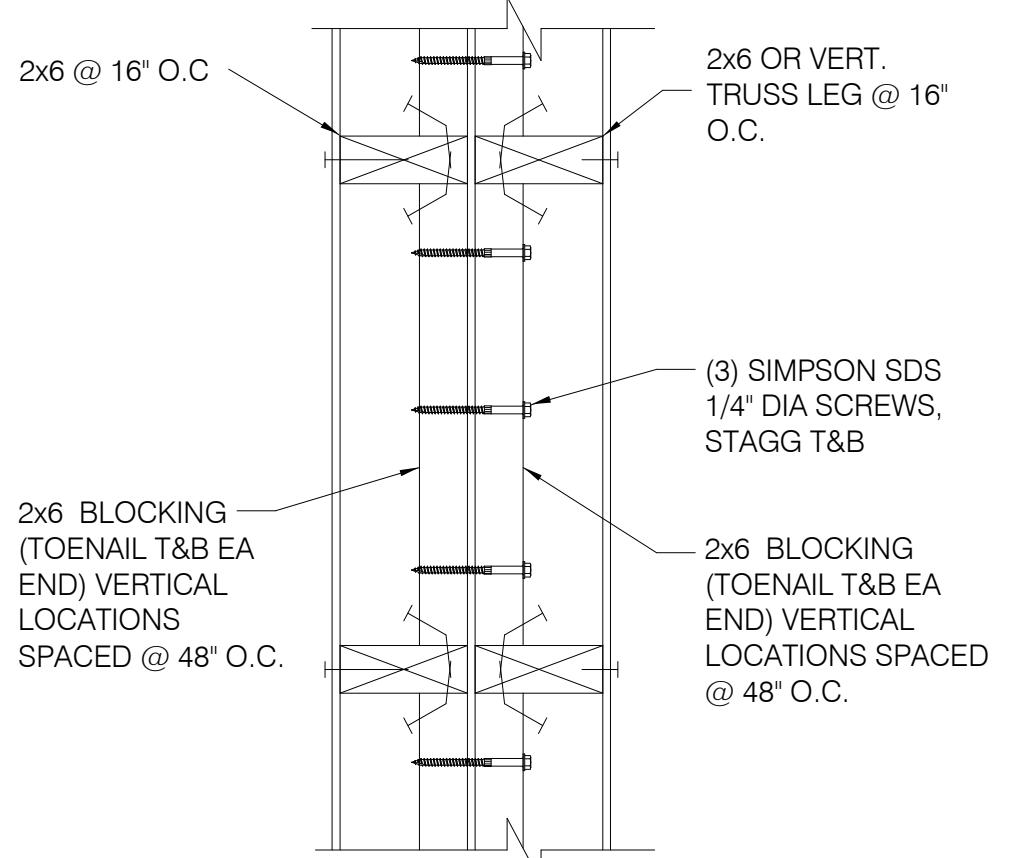


TIE-ROD BLOCKING 3" = 1'-0" **13**

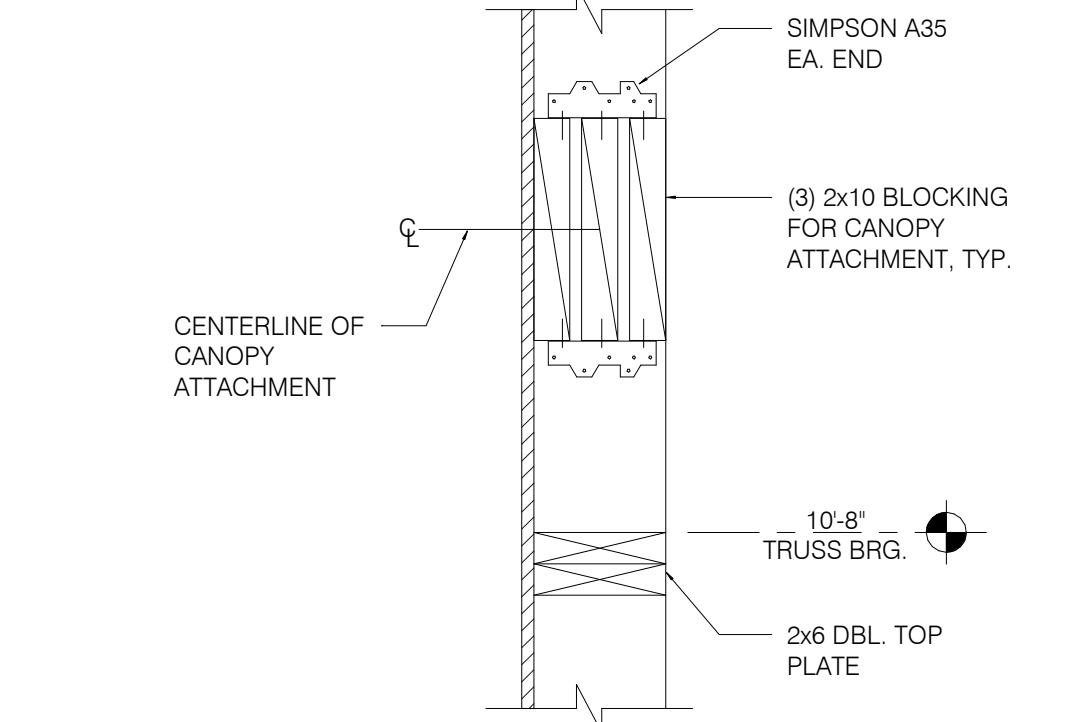
SECTION AT COOLER SIDES 1 1/2" = 1'-0" **9**

SECTION AT COOLER REAR 1 1/2" = 1'-0" **5**

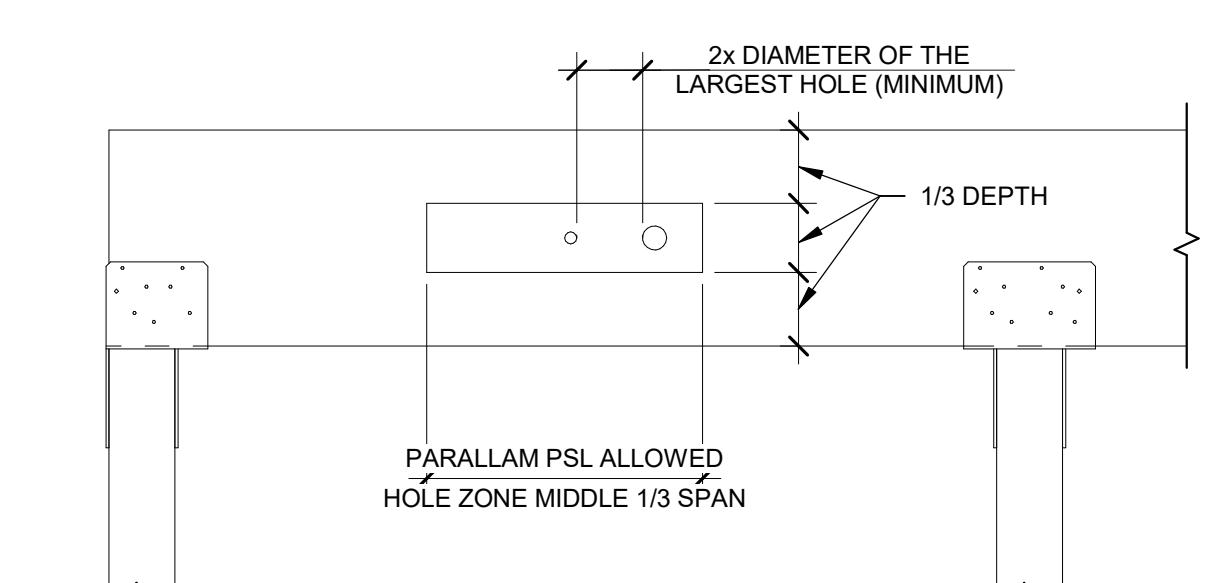
TYPICAL PARAPET CAP 1 1/2" = 1'-0" **1**



SIGNAGE & TOWER PANEL ATTACHMENT BLOCKING DETAIL 1 1/2" = 1'-0" **2**



CANOPY TIE BACK BLOCKING DETAIL 12" = 1'-0" **3**



HEADER OR BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
4 3/8"	1"
5 1/2"	1 3/4"
7 1/4"-20"	2"

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TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
STRUCTURAL
DETAILS

S4.3



INTERIOR SHEAR WALL 3/4" = 1'-0"

PLOT DATE: 1/19/2022 7:29:37 AM

ENDEAVOR 2.0

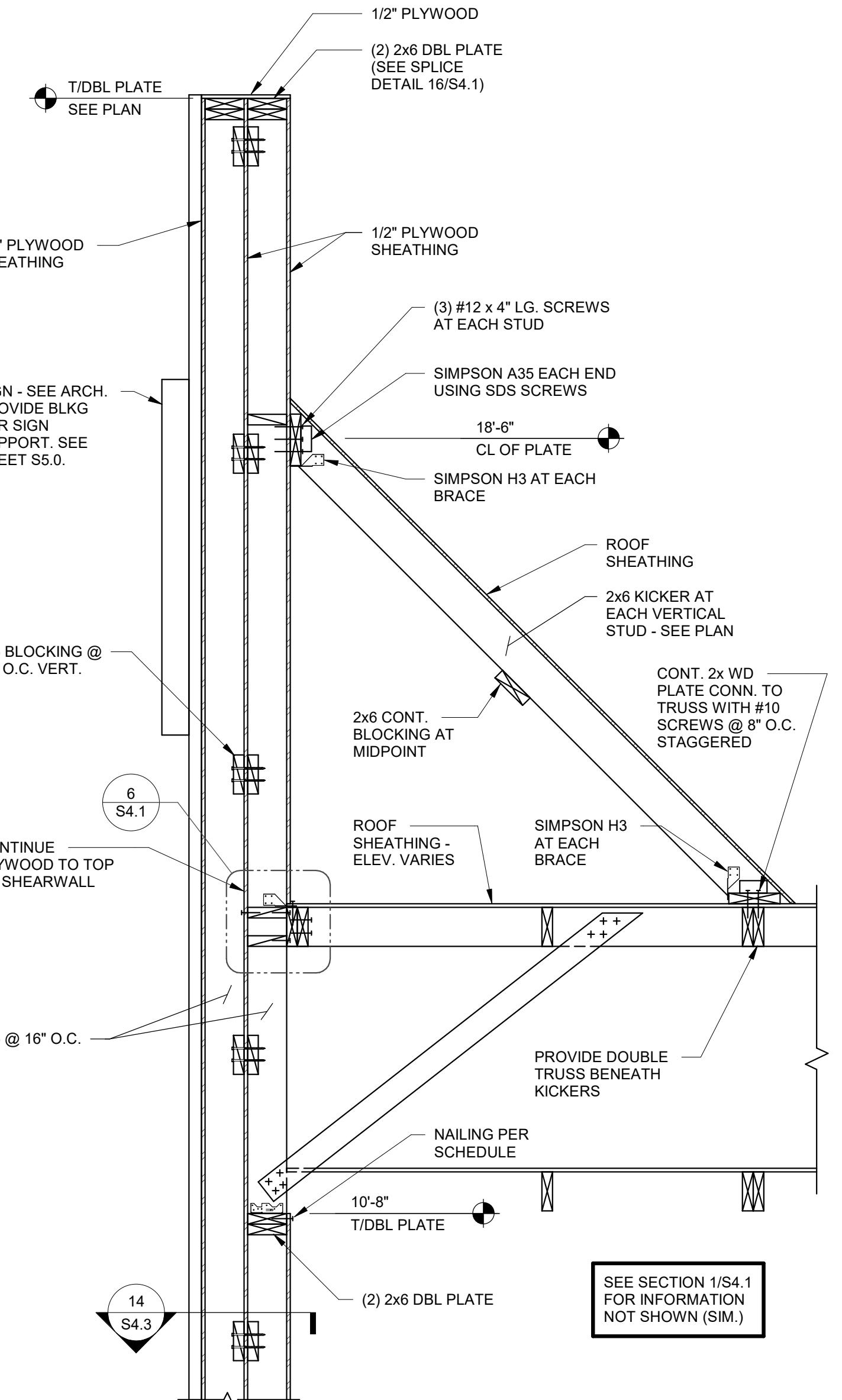
STRUCTURAL SECTIONS

ENDEAVOR 2.0

STRUCTURAL SECTIONS

S4.4

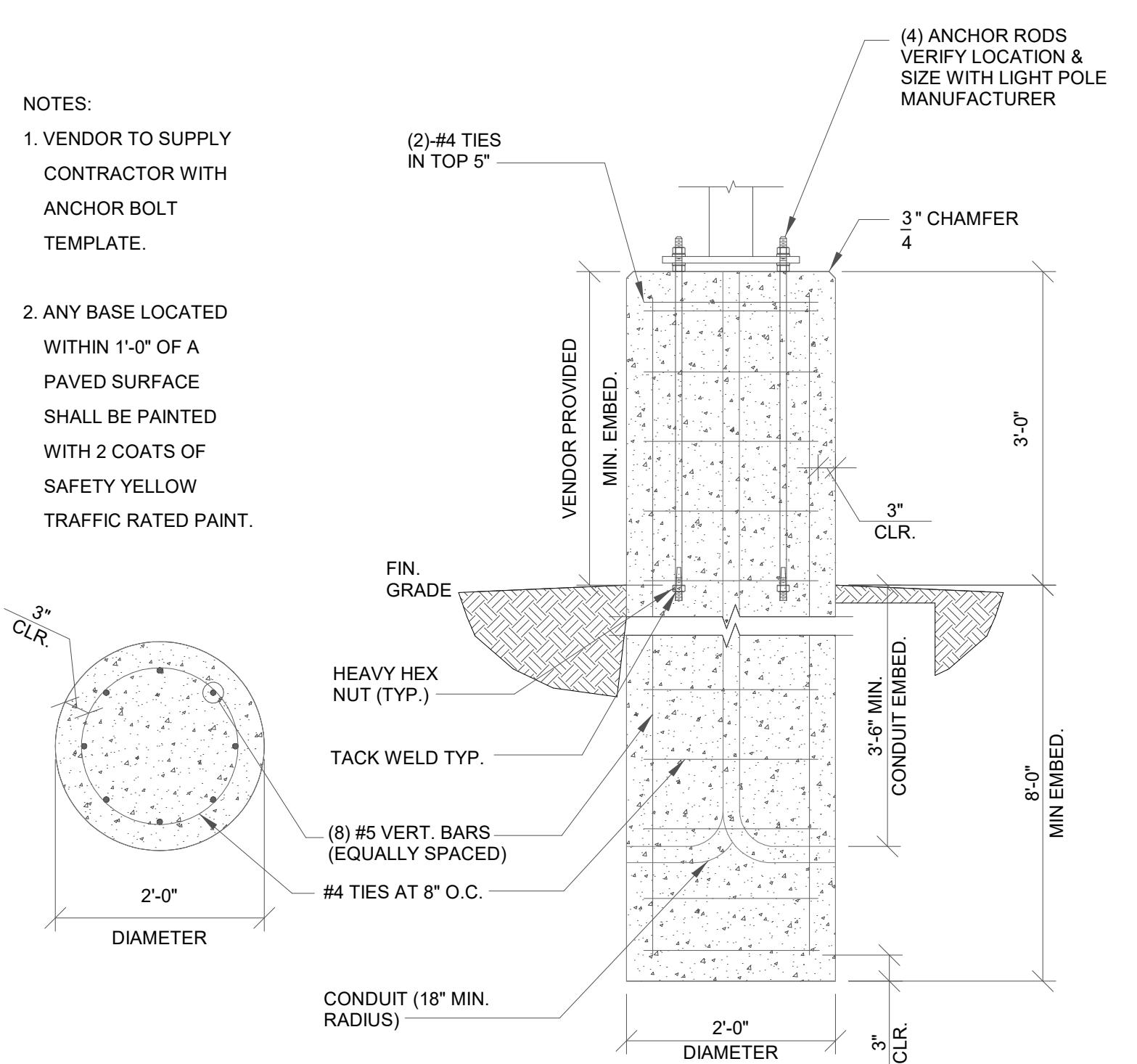
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FRONT TOWER SECTION

3/4" = 1'-0"

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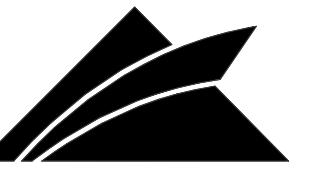


IGHT POLE FOUNDATION DETAIL 3/4" = 1'-0" **3**

3

INTERIOR SHEAR WALL 3/4" = 1'-0"

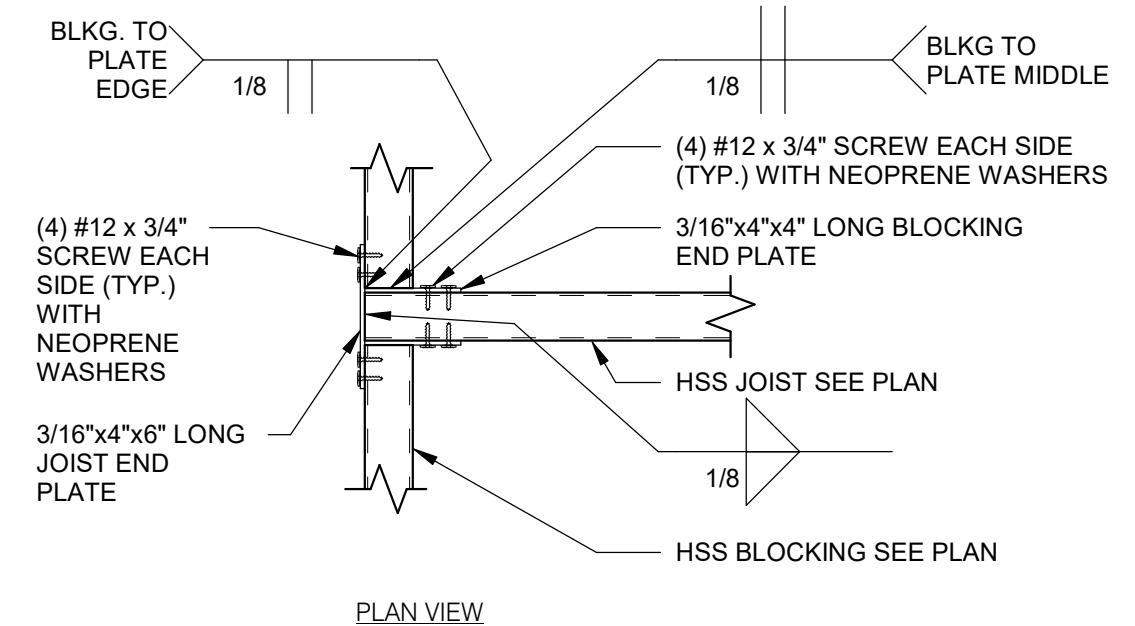
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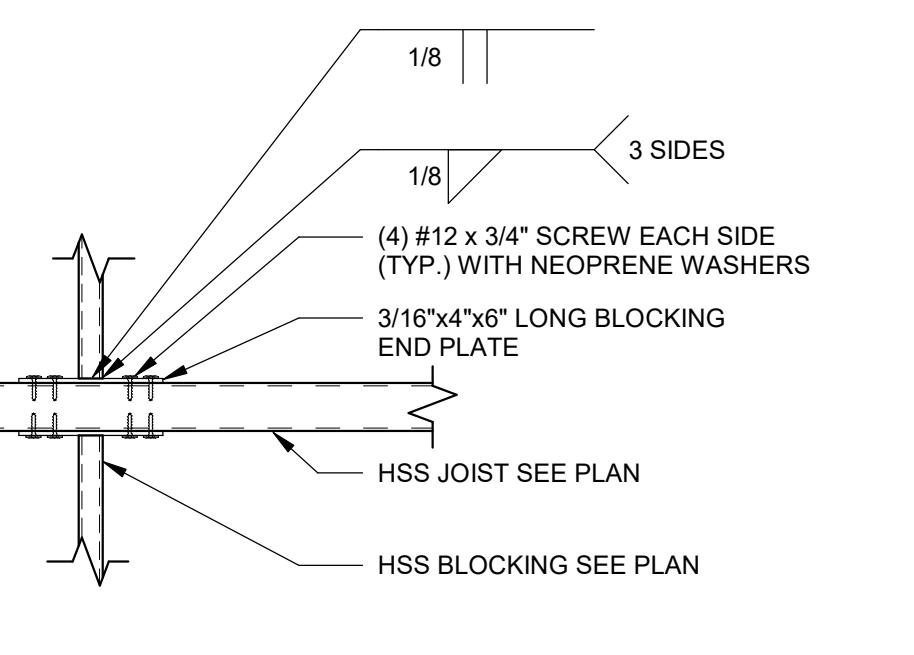
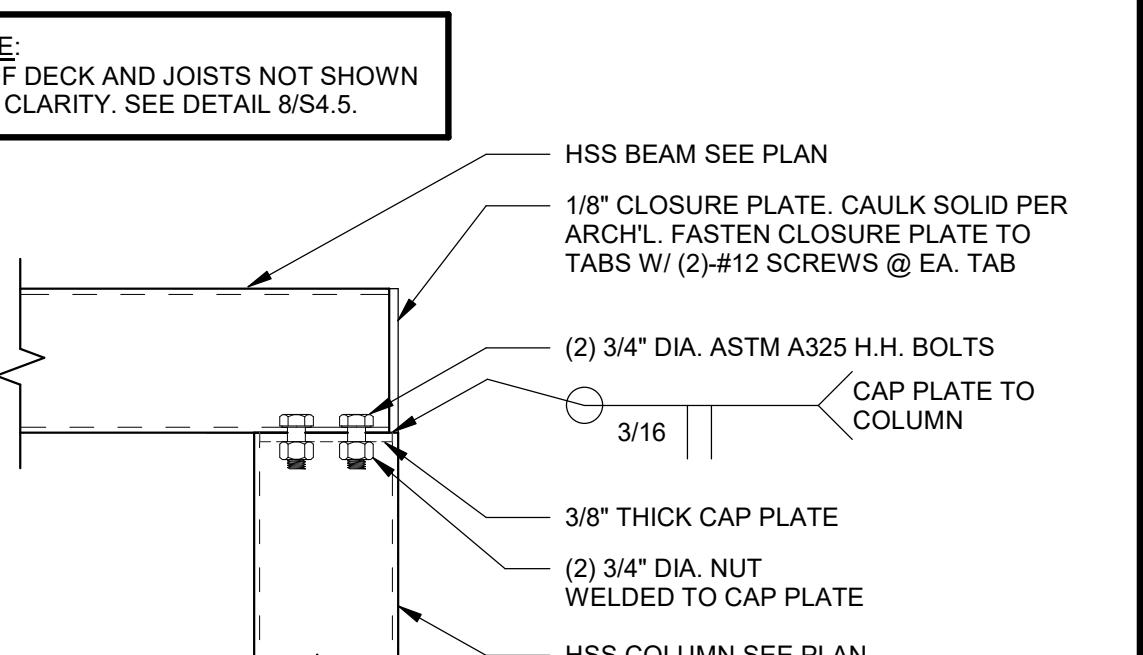
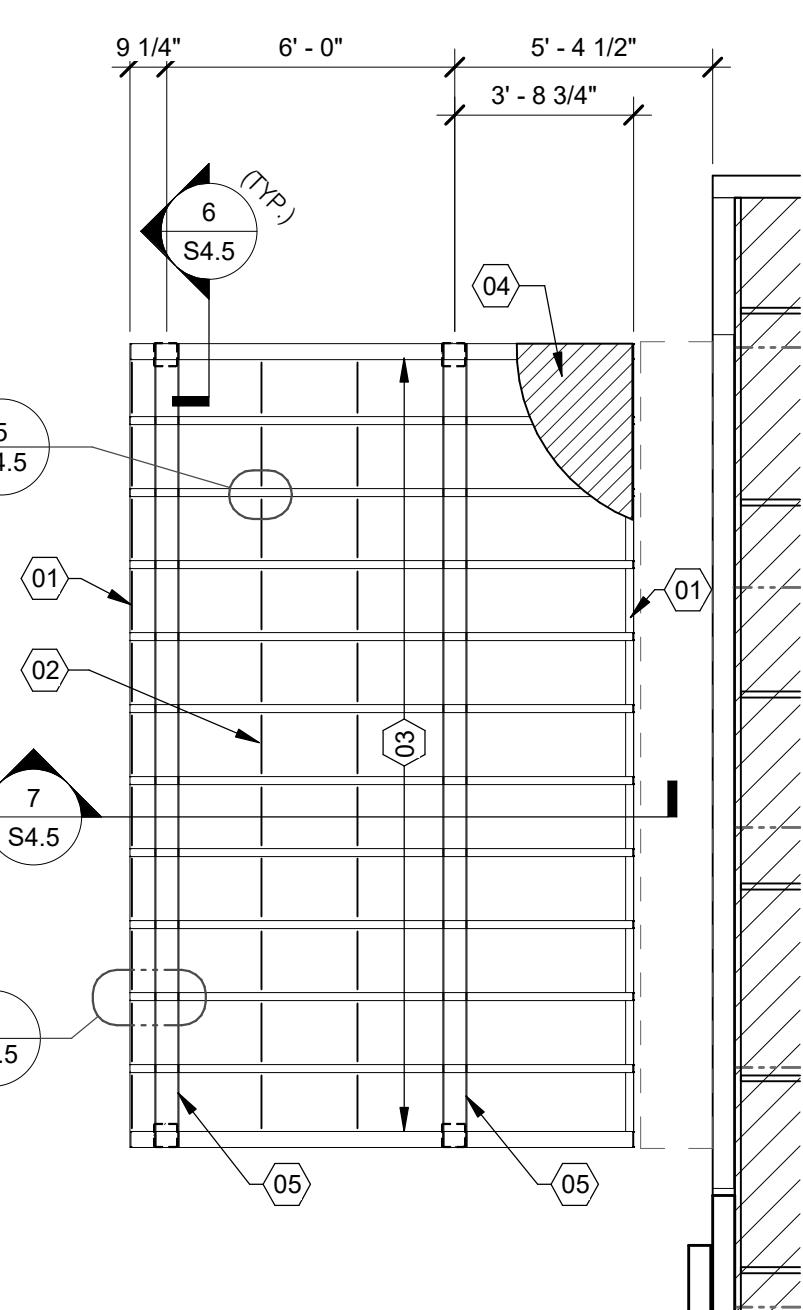


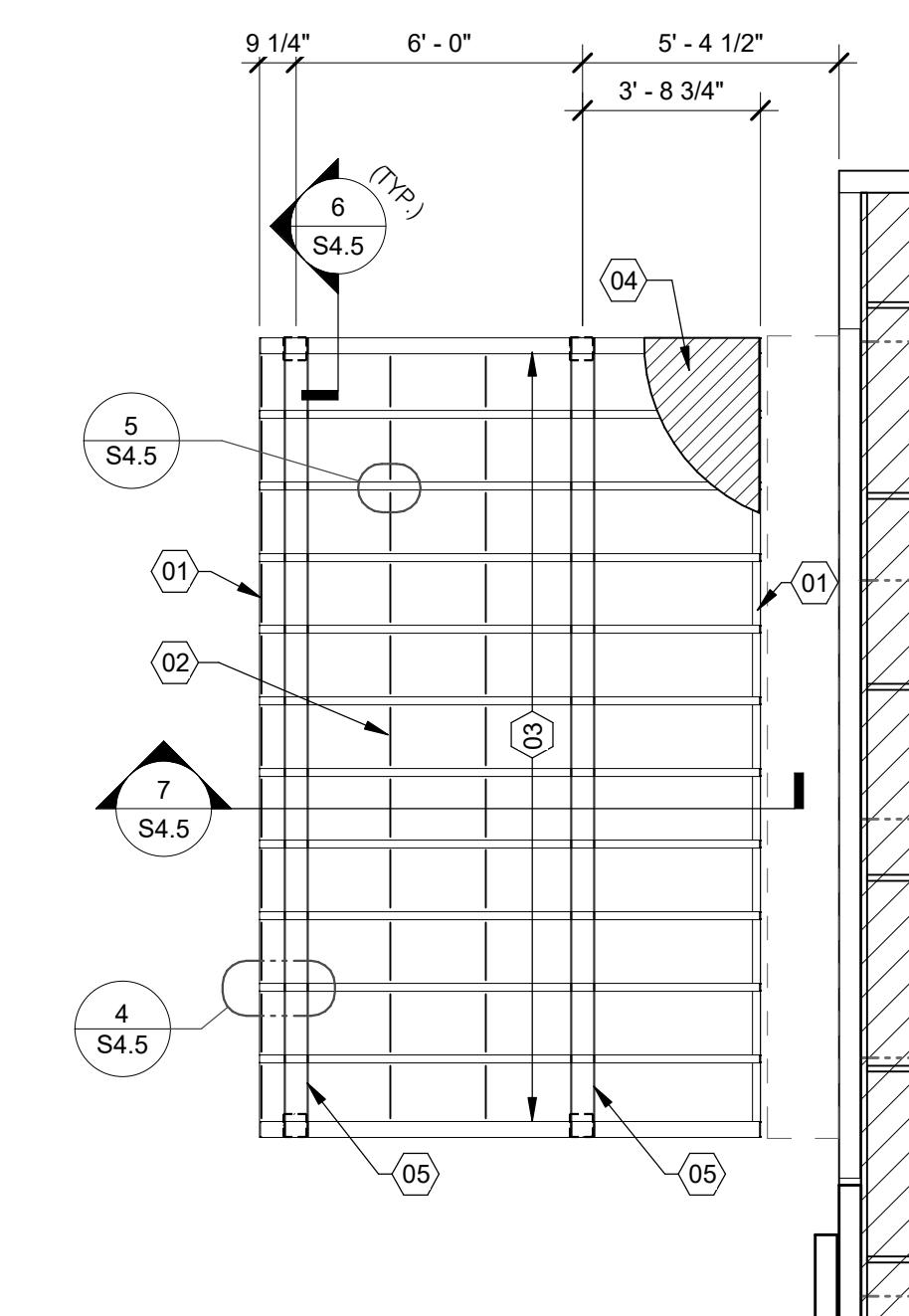
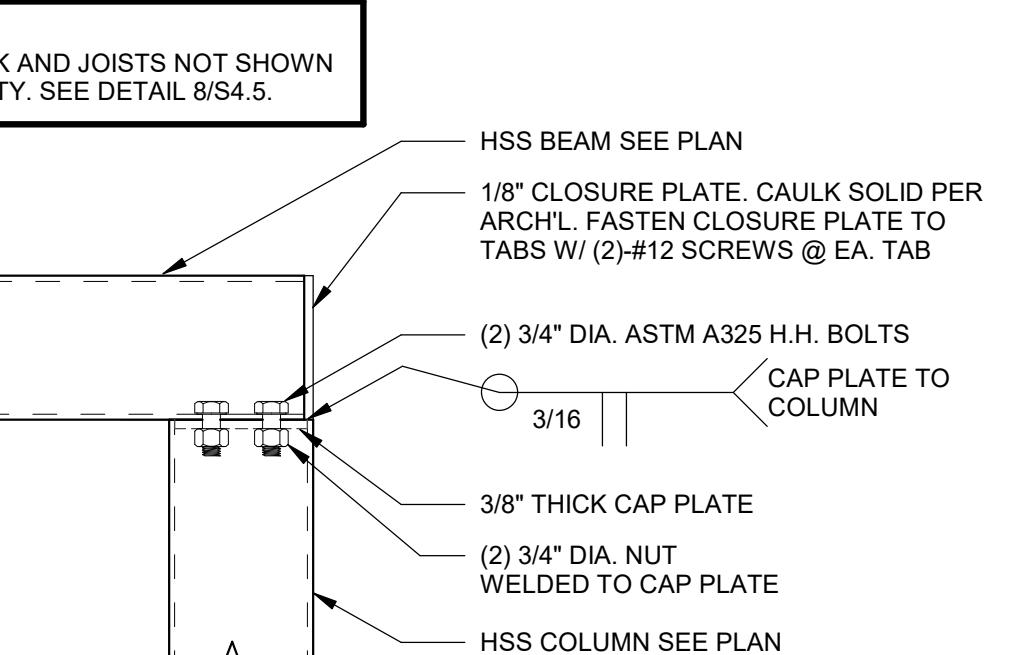
STRUCTURAL STEEL:

MATERIAL PROPERTIES:
PLATE: ASTM A36 UNO
TUBE: ASTM A500 GRADE B (Fy = 46 KSI)
BOLTS: ASTM A325

- DETAILED, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2010 AISC SPECIFICATIONS.
- FIELD VERIFY ALL CONDITIONS AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.
- ALL CANOPY STEEL AND CLIPS SHALL BE HOT DIP GALVANIZED.
- ALL SCREWS SHALL BE COATED FOR CORROSION RESISTANCE.
- ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.



NOT USED	NOT USED	EDGE BLOCKING TO JOIST 1 1/2" = 1'-0"	4	CANOPY FRAMING STEEL NOTES
		 <p>PLAN VIEW</p> <p>1/8</p> <p>1/8 3 SIDES</p> <p>(4) #12 x 3/4" SCREW EACH SIDE (TYP.) WITH NEOPRENE WASHERS</p> <p>3/16" x 4" x 6" LONG BLOCKING END PLATE</p> <p>HSS JOIST SEE PLAN</p> <p>HSS BLOCKING SEE PLAN</p>		<p>01 HSS 4x2x1/8 BLOCKING AT EACH END OF JOISTS.</p> <p>02 HSS 1x1x1/8 INTERMEDIATE BLOCKING @ 24" O.C.</p> <p>03 4"x2"x1/8" STEEL JOISTS AT 18" O.C. (LSV). USE HSS 4x4x1/8 AT END JOIST FOR ROOF ATTACHMENTS.</p> <p>04 22 GAGE MAGNA-LOC 180 ROOF PANELS - ATTACH AT EDGE USING #12 x 3/4" SCREWS WITH NEOPRENE WASHERS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD - REFER TO MFR. INSTALLATION GUIDE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.</p> <p>05 HSS 6x6x3/16 STEEL BEAM.</p>
NOT USED	NOT USED	INTERIOR BLOCKING TO JOIST 1 1/2" = 1'-0"	5	CANOPY FRAMING KEYNOTES
		<p>NOTE: ROOF DECK AND JOISTS NOT SHOWN FOR CLARITY. SEE DETAIL 8/S4.5.</p>  <p>HSS BEAM SEE PLAN</p> <p>1/8" CLOSURE PLATE. CAULK SOLID PER ARCH'L. FASTEN CLOSURE PLATE TO TABS W/ (2)-#12 SCREWS @ EA. TAB</p> <p>(2) 3/4" DIA. ASTM A325 H.H. BOLTS</p> <p>3/16" CAP PLATE TO COLUMN</p> <p>3/8" THICK CAP PLATE</p> <p>(2) 3/4" DIA. NUT WELDED TO CAP PLATE</p> <p>HSS COLUMN SEE PLAN</p>		 <p>9 1/4" 6' - 0" 5' - 4 1/2"</p> <p>3' - 8 3/4"</p> <p>01</p> <p>02</p> <p>03</p> <p>04</p> <p>05</p> <p>06</p> <p>07</p> <p>08</p> <p>09</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> <p>26</p> <p>27</p> <p>28</p> <p>29</p> <p>30</p> <p>31</p> <p>32</p> <p>33</p> <p>34</p> <p>35</p> <p>36</p> <p>37</p> <p>38</p> <p>39</p> <p>40</p> <p>41</p> <p>42</p> <p>43</p> <p>44</p> <p>45</p> <p>46</p> <p>47</p> <p>48</p> <p>49</p> <p>50</p> <p>51</p> <p>52</p> <p>53</p> <p>54</p> <p>55</p> <p>56</p> <p>57</p> <p>58</p> <p>59</p> <p>60</p> <p>61</p> <p>62</p> <p>63</p> <p>64</p> <p>65</p> <p>66</p> <p>67</p> <p>68</p> <p>69</p> <p>70</p> <p>71</p> <p>72</p> <p>73</p> <p>74</p> <p>75</p> <p>76</p> <p>77</p> <p>78</p> <p>79</p> <p>80</p> <p>81</p> <p>82</p> <p>83</p> <p>84</p> <p>85</p> <p>86</p> <p>87</p> <p>88</p> <p>89</p> <p>90</p> <p>91</p> <p>92</p> <p>93</p> <p>94</p> <p>95</p> <p>96</p> <p>97</p> <p>98</p> <p>99</p> <p>100</p> <p>101</p> <p>102</p> <p>103</p> <p>104</p> <p>105</p> <p>106</p> <p>107</p> <p>108</p> <p>109</p> <p>110</p> <p>111</p> <p>112</p> <p>113</p> <p>114</p> <p>115</p> <p>116</p> <p>117</p> <p>118</p> <p>119</p> <p>120</p> <p>121</p> <p>122</p> <p>123</p> <p>124</p> <p>125</p> <p>126</p> <p>127</p> <p>128</p> <p>129</p> <p>130</p> <p>131</p> <p>132</p> <p>133</p> <p>134</p> <p>135</p> <p>136</p> <p>137</p> <p>138</p> <p>139</p> <p>140</p> <p>141</p> <p>142</p> <p>143</p> <p>144</p> <p>145</p> <p>146</p> <p>147</p> <p>148</p> <p>149</p> <p>150</p> <p>151</p> <p>152</p> <p>153</p> <p>154</p> <p>155</p> <p>156</p> <p>157</p> <p>158</p> <p>159</p> <p>160</p> <p>161</p> <p>162</p> <p>163</p> <p>164</p> <p>165</p> <p>166</p> <p>167</p> <p>168</p> <p>169</p> <p>170</p> <p>171</p> <p>172</p> <p>173</p> <p>174</p> <p>175</p> <p>176</p> <p>177</p> <p>178</p> <p>179</p> <p>180</p> <p>181</p> <p>182</p> <p>183</p> <p>184</p> <p>185</p> <p>186</p> <p>187</p> <p>188</p> <p>189</p> <p>190</p> <p>191</p> <p>192</p> <p>193</p> <p>194</p> <p>195</p> <p>196</p> <p>197</p> <p>198</p> <p>199</p> <p>200</p> <p>201</p> <p>202</p> <p>203</p> <p>204</p> <p>205</p> <p>206</p> <p>207</p> <p>208</p> <p>209</p> <p>210</p> <p>211</p> <p>212</p> <p>213</p> <p>214</p> <p>215</p> <p>216</p> <p>217</p> <p>218</p> <p>219</p> <p>220</p> <p>221</p> <p>222</p> <p>223</p> <p>224</p> <p>225</p> <p>226</p> <p>227</p> <p>228</p> <p>229</p> <p>230</p> <p>231</p> <p>232</p> <p>233</p> <p>234</p> <p>235</p> <p>236</p> <p>237</p> <p>238</p> <p>239</p> <p>240</p> <p>241</p> <p>242</p> <p>243</p> <p>244</p> <p>245</p> <p>246</p> <p>247</p> <p>248</p> <p>249</p> <p>250</p> <p>251</p> <p>252</p> <p>253</p> <p>254</p> <p>255</p> <p>256</p> <p>257</p> <p>258</p> <p>259</p> <p>260</p> <p>261</p> <p>262</p> <p>263</p> <p>264</p> <p>265</p> <p>266</p> <p>267</p> <p>268</p> <p>269</p> <p>270</p> <p>271</p> <p>272</p> <p>273</p> <p>274</p> <p>275</p> <p>276</p> <p>277</p> <p>278</p> <p>279</p> <p>280</p> <p>281</p> <p>282</p> <p>283</p> <p>284</p> <p>285</p> <p>286</p> <p>287</p> <p>288</p> <p>289</p> <p>290</p> <p>291</p> <p>292</p> <p>293</p> <p>294</p> <p>295</p> <p>296</p> <p>297</p> <p>298</p> <p>299</p> <p>300</p> <p>301</p> <p>302</p> <p>303</p> <p>304</p> <p>305</p> <p>306</p> <p>307</p> <p>308</p> <p>309</p> <p>310</p> <p>311</p> <p>312</p> <p>313</p> <p>314</p> <p>315</p> <p>316</p> <p>317</p> <p>318</p> <p>319</p> <p>320</p> <p>321</p> <p>322</p> <p>323</p> <p>324</p> <p>325</p> <p>326</p> <p>327</p> <p>328</p> <p>329</p> <p>330</p> <p>331</p> <p>332</p> <p>333</p> <p>334</p> <p>335</p> <p>336</p> <p>337</p> <p>338</p> <p>339</p> <p>340</p> <p>341</p> <p>342</p> <p>343</p> <p>344</p> <p>345</p> <p>346</p> <p>347</p> <p>348</p> <p>349</p> <p>350</p> <p>351</p> <p>352</p> <p>353</p> <p>354</p> <p>355</p> <p>356</p> <p>357</p> <p>358</p> <p>359</p> <p>360</p> <p>361</p> <p>362</p> 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<p>727</p> <p>728</p> <p>729</p> <p>730</p> <p>731</p> <p>732</p> <p>733</p> <p>734</p> <p>735</p> <p>736</p> <p>737</p> <p>738</p> <p>739</p> <p>740</p> <p>741</p> <p>742</p> <p>743</p> <p>744</p> <p>745</p> <p>746</p> <p>747</p> <p>748</p> <p>749</p> <p>750</p> <p>751</p> <p>752</p> <p>753</p> <p>754</p> <p>755</p> <p>756</p> <p>757</p> <p>758</p> <p>759</p> <p>760</p> <p>761</p> <p>762</p> <p>763</p> <p>764</p> <p>765</p> <p>766</p> <p>767</p> <p>768</p> <p>769</p> <p>770</p> <p>771</p> <p>772</p> <p>773</p> <p>774</p> <p>775</p> <p>776</p> <p>777</p> <p>778</p> <p>779</p> <p>780</p> <p>781</p> <p>782</p> <p>783</p> <p>784</p> <p>785</p> <p>786</p> <p>787</p> <p>788</p> <p>789</p> <p>790</p> <p>791</p> <p>792</p> <p>793</p> <p>794</p> <p>795</p> <p>796</p> <p>797</p> <p>798</p> <p>799</p> <p>800</p> <p>801</p> <p>802</p> <p>803</p> <p>804</p> <p>805</p> <p>806</p> <p>807</p> <p>808</p> <p>809</p> <p>810</p> <p>811</p> <p>812</p> <p>813</p> <p>814</p> <p>815</p> <p>816</p> <p>817</p> 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	DATE	REMARKS
	01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 31416
STORE NUMBER: 45261
PA/PM: SM
DRAWN BY.:

The logo consists of a stylized, rounded, bell-shaped outline with a wavy interior line. Below the graphic, the word "TACO" is written in a bold, sans-serif font.

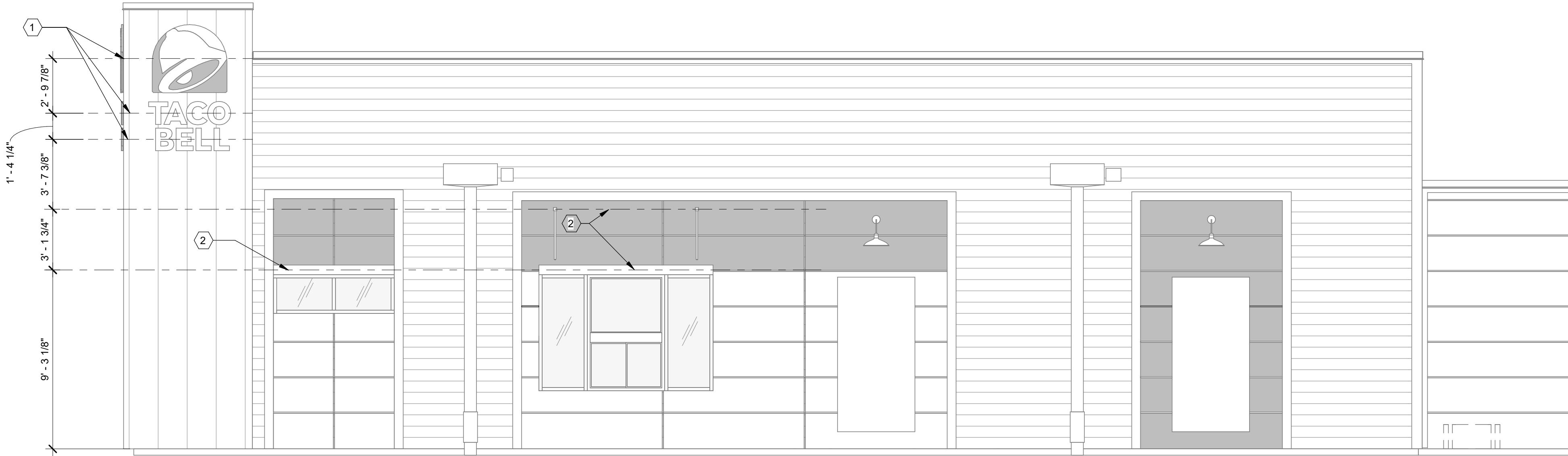
ENDEAVOR 2.0

CANOPY PLANS AND DETAILS

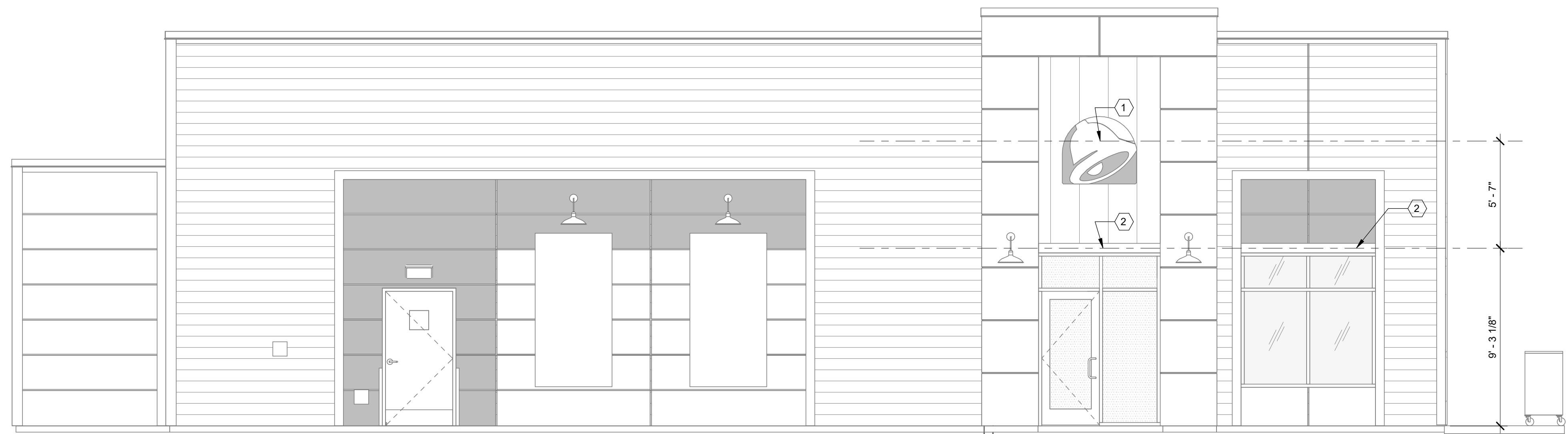
S4.5



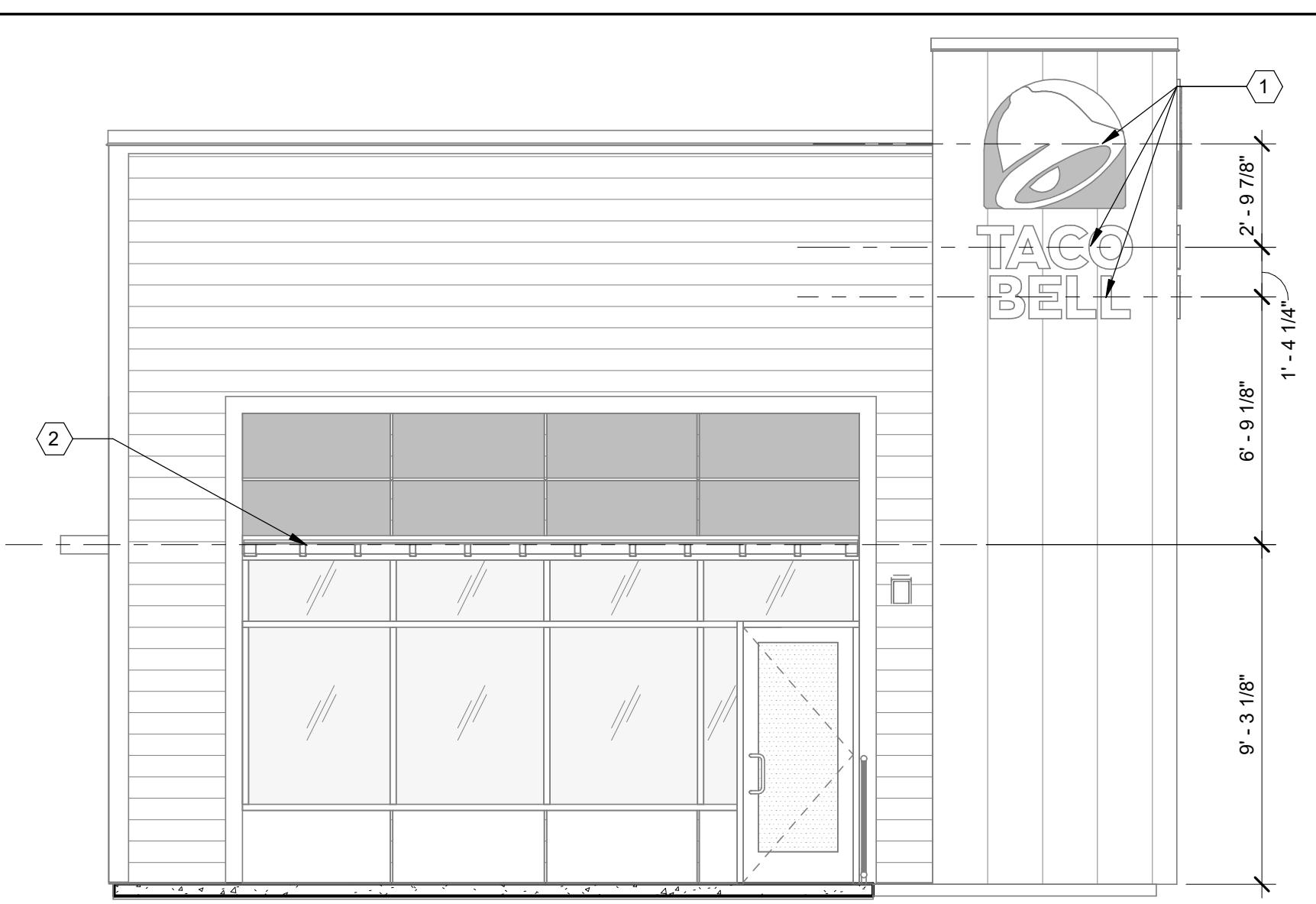
GPD GROUP
Professional Corporation
520 S. MAIN STREET, SUIT 253
AVON, OH 44311
330.572.2100 FAX: 330.572.2102



SOUTH ELEVATION 1/4" = 1'-0" **A**



NORTH ELEVATION 1/4" = 1'-0" **B**



EAST ELEVATION 1/4" = 1'-0" **F**

(1) SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.
(2) PROVIDE BLOCKING FOR CANOPY. SEE DETAILS 3/S4.3 AND 13/S4.3.

KEY NOTES

1. EXTEND BLOCKING AS REQUIRED TO FIT BETWEEN STUDS.
2. ELEVATION AT BOTTOM OF CANOPIES SHALL BE 9'-0" A.F.F. U.N.O.
3. COORDINATE SIGNAGE ELEMENTS AND BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR - SEE SCOPE OF WORK.
4. THIS SHEET IS TO INDICATE BLOCKING REQUIREMENTS FOR SIGNS, AWNINGS, AND CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.

GENERAL NOTES

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RB
JOB NO.: 2019088.28

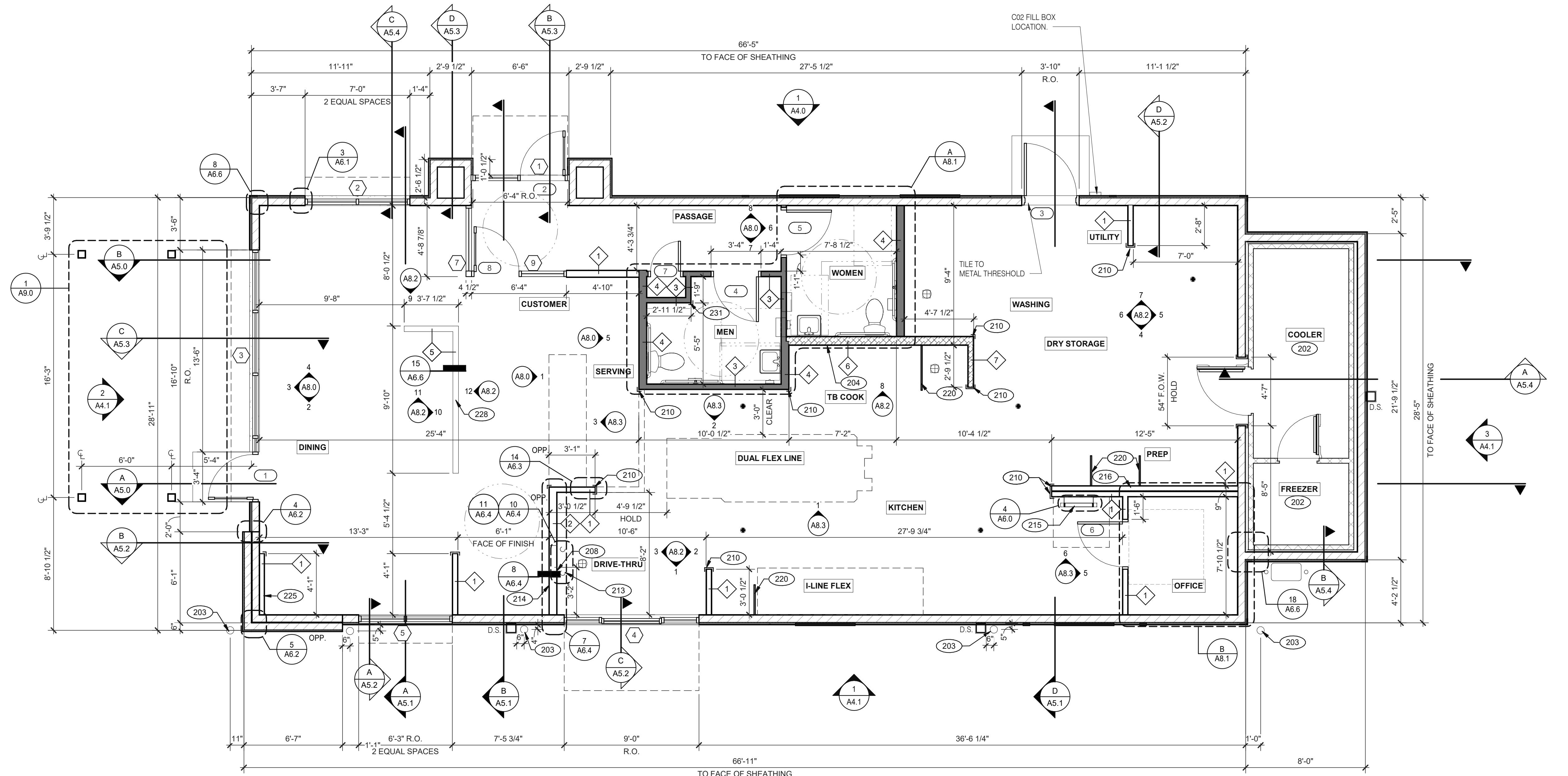


36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
**CANOPY/AWNING
BLOCKING
ELEVATIONS**

S5.0

PLOT DATE: 1/19/2022 7:29:43 AM



DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RS
 JOB NO.: 2019088.28

TACO BELL
 36505 26 MILE RD.
 LENOX TWP, MI 48048



ENDEAVOR 2.0
FLOOR PLAN

A1.0

PLOT DATE: 1/18/2022 3:41:36 PM

TYPICAL EXTERIOR WALL:
 2x6 WD STUDS AT 16" O.C. W/ SHEATHING AS SCHEDULED (SEE STRUCT. DWGS.) AND R-19 KRAFT-FACED FIBERGLASS BATT INSULATION U.O.N. GC SHALL PROVIDE 2 LAYERS OF GRADE 'D' 60 LB BUILDING PAPER.

TYPICAL INTERIOR WALL:
 WD STUDS AT 16" O.C. AS INDICATED

- 1 2x4 WOOD STUDS
- 2 2x6 WOOD STUDS

WALL HEIGHTS:
 ALL INTERIOR NON-BEARING WALLS GO TO BOTTOM OF TRUSS, U.O.N. REFER TO STRUCTURE.

WALL SUBSTRATES:

- DINING ROOM:
 1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6 & B/A6.3 (NOTE: THE CEMENT BOARD SPECIFICATION IS DESIGNED TO ALLOW THE G.C. FLEXIBILITY.)
- KITCHEN WALLS AND DINING ROOM CLOSET:
 1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 12" A.F.F., USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE SIDE SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4/A6.3.

RESTROOM WALLS:

- 5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 5/8" HI-IMPACT BRAND XP WALLBOARD, TYPE X CORE FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED.
- ALL OTHER FRAME WALL CONDITIONS:
 1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULE

INTERIOR SOUND-RATED WALL:
 TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED FIBERGLASS BATT INSULATION.

- 3 2x4 WOOD STUDS
- 4 2x6 WOOD STUDS

LOW WALL:
 2x4 WD STUDS AT 16" O.C. AS SCHEDULED (SEE DETAIL 15/A6.6)

- 5 2x4 WOOD STUDS

HOODWALL:
 INTERIOR NON-COMBUSTIBLE WALL WITH 20 GA. S.S. PANEL BEHIND HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. M. STUD FRAMING. REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL.

- 6 6" METAL STUD
- 7 3/8" METAL STUD

DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

DIMENSIONS:

- A. ALL DIMENSIONS NOTED ARE TO FACE OF CONCRETE FOUNDATION, FACE OF SHEATHING ON EXTERIOR WALLS, AND FACE OF FINISH ON INTERIOR WALLS U.N.O.
- B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQUIRED. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

WINDOWS / DOORS:

- A. SEE SHEET A.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
- B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

FINISH SUBSTRATES:

- A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.
- B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH "NSF INTERNATIONAL" APPROVED SEALANTS.
- C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE, U.O.N.

DECOR:

- A. SEE A.2 FOR SEATING PLAN AND DETAILS.
- B. SEE A.7 FOR FLOOR FINISHES.
- C. SEE A.8 - A.8.3 FOR WALL FINISHES.
- D. SEE A.7 FOR CEILING FINISHES.

GENERAL:

- A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC AND (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT. FOR ADDITIONAL INFORMATION SEE SHEET A2.0
- B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

- 202 NO FRP BEHIND W-059 WALK-IN COOLER/FREEZER.
- 203 PIPE BOLLARD. SEE CIVIL DRAWINGS.
- 204 HOOD WALL, SEE WALL LEGEND.
- 208 HOOD GUARD/WALL CAP [ITEM-2], TYP. ALL CORNERS IN BACK OF HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 14/A6.3.

- 213 SYRUP LINE CHASE (ABOVE).
- 214 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER.

- 215 ROOF LADDER.

- 216 ADD SECOND 2X4 WALL ON KITCHEN SIDE.

- 220 SPLASH GUARD. SEE DETAIL 9/A6.3.

- 225 FUR OUT WALL AS INDICATED WITH 2X4 WOOD STUDS AT 16" O.C.

- 228 LOW WALL, BY G.C. COORDINATE WITH STRUCTURAL DRAWINGS.

- 231 CORNER GUARD TILE SCHLUTER. SEE DETAIL 15/A6.3.

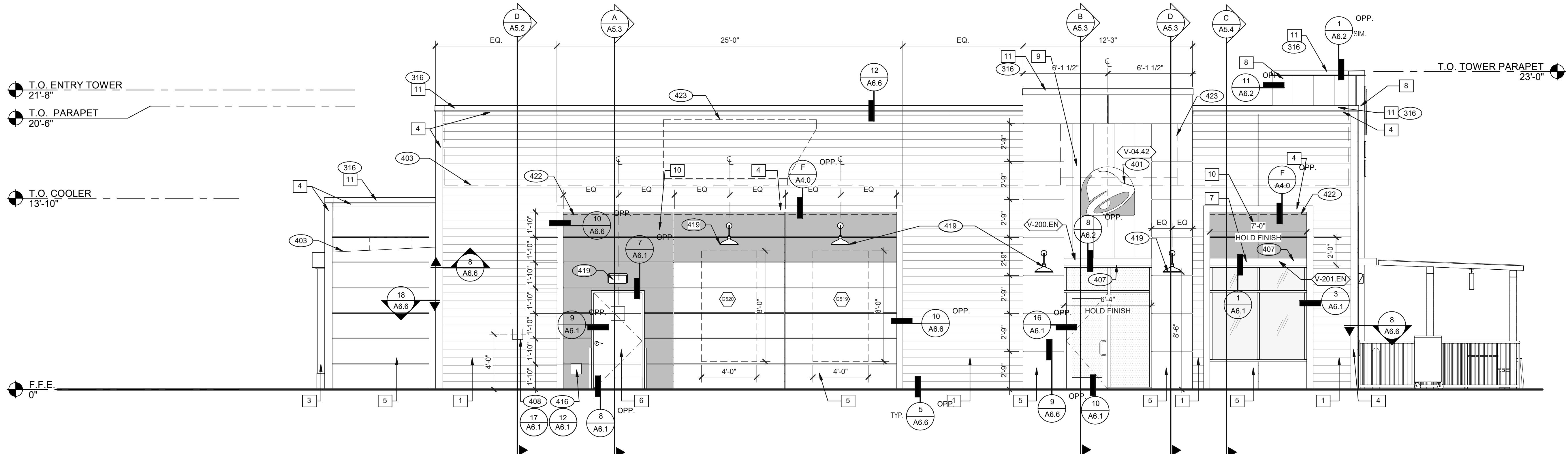


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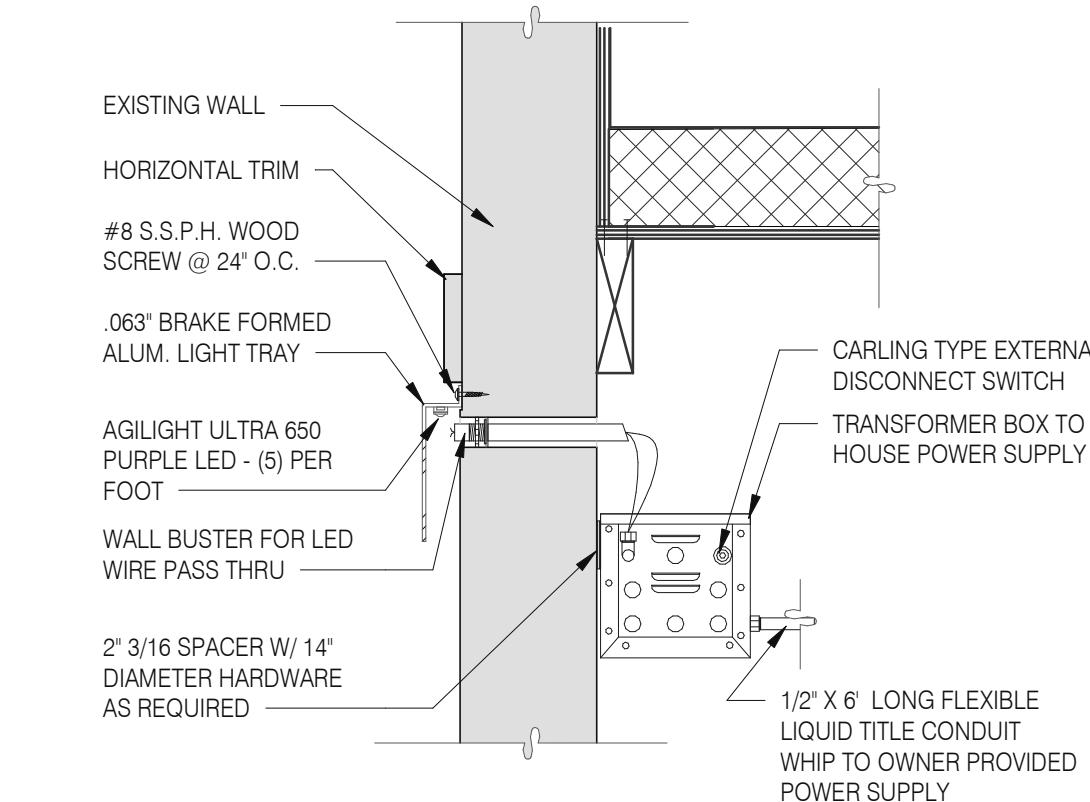
520 S. MAIN STREET, SUITE 253
ALEXANDRIA, OH 44311
330.572.2100 FAX: 330.572.2102

EQUIPMENT SCHEDULE

TAG #	GC/INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING ELECTRICAL GAS	REMARKS	TAG #	GC/INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING ELECTRICAL GAS	REMARKS		
								S SERVING/DRIVE-THRU					
B CONTRACTOR BUILDING ELEMENTS													
B-049	1	X ROOF LADDER	PRECISION LADDER #PH-G2-6X3-0			S-023	1	X WARMER, EVO	CARTER HOFFMAN	X	OUNT ON PRODUCTION LINE OVER SHELF		
B-050	1	X ROOF HATCH	PRECISION LADDER #PH-G2-6X3-0			S-024	2	X WARMER, EVO	CARTER HOFFMAN	X	OUNT ON PRODUCTION LINE OVER SHELF		
B-101	1	X SECURITY DOOR	RSBS FACILITIES CONNECTION		SECURITY DOOR PER QUOTE LOCKNET TAN STEEL. INCLUDES: STEEL FRAME	S-026	1	X HEAT CABINET - FULL HEIGHT - (1) RH	CRESCOR #H137S27D1TB	X	W/8 SHELVES EACH		
B-140	1	X DT WINDOW	QUICKSERV/SC4090BR - SELF CLOSING, R/H HANDLE, OPENS RIGHT		FINISH TO MATCH STOREFRONT, DARK BRONZE	S-027	1	X HEAT CABINET - FULL HEIGHT - (1) RH	CRESCOR #H137S27D1TB	X	W/8 SHELVES EACH		
B-219	1	X WATER HEATER DUNNAGE RACK	NEW AGE INDUSTRIAL CORP., INC #98147			S-065	1	X DESSERT TOWER	HATCO #GRBW-24D		W/8 RACKS		
B-223	1	X 99% HIGH EFFICIENCY 199 MBH, 100 GAL. GAS WATER HEATER	A.O. SMITH BTH-199 100 CYCLONE HE	X	X	S-203	2	X DRIVE-THRU TIMER SYSTEM	HME #C11422TB	X			
B-241	5	X SOAP DISPENSER (WALL MOUNT)	KAY 3741			S-254	1	X CONDIMENT RACK	PRONTO #CHPW0446		OPTIONAL: METRO		
B-251	3	X SANITIZER DISPENSER (WALL MOUNT)	KAY 3741			S-274	2	X DRIVE-THRU BEVERAGE WORKSTATION	SPG WST1242Y				
B-252	2	X PAPER TOWEL DISPENSER/TRASH 12 GAL.	BOBRICK #B-3944			S-288	1	X DRINK STATION WITHOUT STRAW HOLDER	WST788E				
B-265	2	X MIRROR, 18 x 36	BOBRICK #B-165-1836			S-289	1	X BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	SEE SCOPE OF WORK (PEPSI)		
B-275	2	X TOILET PAPER DISPENSER	BOBRICK #B-2890			S-285	2	X BEVERAGE DISPENSER - DRIVE THRU	SERVEND	X	SEE SCOPE OF WORK (PEPSI)		
B-290	3	X PAPER TOWEL DISPENSER	BOBRICK #B-262			S-286	1	X WATER FILTER SYSTEM	SHURFLO #WB6-M3-22-003		FRANCHISEES CAN USE SELECTO #TB5/620-5		
B-300	2	X GRAB BAR 1-1/2 DIA X 42 S.S. FIN.	BOBRICK #B6806X42			S-287	1	X ISS-TABLE, D/T, TB, 24 IN X36 IN PREASSEMBLED	FBD #1273610021	X			
B-302	2	X GRAB BAR 1-1/2 DIA X 48 S.S. FIN.	BOBRICK #B6806X48			S-344	1	X DRIVE-THRU PICK-UP WORKSTATION 30X42	SPG		OPTIONAL: METRO		
B-310	2	X GRAB BAR VERTICAL 1-1/2 DIA X 18 S.S. FIN.	BOBRICK #B6806X18			S-375	1	X DRINK STATION	CARTER HOFFMAN	X	S/S, INSULATED DRAIN TROUGH, WEIGHT RATED		
B-320	1	X CHANGING STATION				S-443	1	X LID DISPENSER	CAL-MIL ADA TB103				
B-361	1	X CO2 CARBON DIOXIDE SENSOR/WARNING	LogiCO2 CO2 MK9 SENSOR	X		S-444	1	X NAPKIN DISPENSER	A.J. ATUNES #DAC560				
B-401	1	X WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)			S-482	2	X CUP DISPENSER	TOR XPRESSNAP #5555100				
B-402	8	X WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)			S-513	3	X ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC, KMS-1401MLJ	X	W/ ROOF MOUNTED CONDENSERS HOSHIZAKI FRANCHISEES CAN USE HOSHISAKI KMS-1230		
B-403	1	X SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140			S-540	1	X PEPSI BOOSTER TANK					
B-599	1	X MOP SINK SHELVING	SPG #WST806Y			S-544	6	X ICE TEA URN	BUNN/TDO-N-3.5				
C COOKING EQUIPMENT													
C-079	1	X DUAL FRYER	FRYMASTER #FQG30U	X	X COMES WITH GAS HOSE KIT (OPTIONAL: PITCO #TB-SHLV14-2/FD VS7)	S-546	2	X ICED TEA BREWER	TETLEY TB3Q	X			
C-107	1	X RETHERMALIZER	PITCO #TB-SRTG14-2	X	X	S-551	3	X BAG-IN-BOX SYRUP RACK	CORNELIUS/REMCOR BNP12B8P	X	FLO-3REG-2CRB (BY PEPSI)		
C-197	3	X TOASTER, SPLIT LID	PROLUX SL126EBT	X	POWERED BY PRODUCTION LINE - (OPTIONAL: STAR #PSC14DB)	S-570	3	X CARBONATOR	CORNELIUS/REMCOR	X	SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)		
C-254	3	X CHEESE MELTER (SINGLE)	AJANTUNES #CM-100	X	X POWERED BY PRODUCTION LINE	S-580	1	X CO2 BULK TANK	MVE #11805373				
C-400	2	X RETHERMALIZER TIMER	FAST #TBZAP12120V	X		S-600	6	X BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X	SEE SCOPE OF WORK (PEPSI)		
E EXHAUST HOODS/FIRE SUPPORT													
E-108	1	X STROTEVENT 106 IN. H X 111 IN. L BACK SPLASH	STROTEVENT MODEL #BACKSPLASH106X111FLA	X		S-739	2	X FROZEN BEVERAGE DISPENSER, REMOTE	FBD #127362-00021	X	MUST ORDER REMOTE CONDENSER S-739A FREEZE TRANSFORMER		
E-272	1	X TIMER OUTLET		X		S-739A	1	X FREEZE TRANSFORMER		X			
F OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS													
F-014	1	X FILE CABINET (2 DRAWER HIGH) 18X36X27H	HON #582L			S-740	1	X FROZEN BEVERAGE CONDENSER, REMOTE	FBD #123003-0006	X	40 IN X 17 IN X 21 IN 208 SINGLE PHASE 2 WIRE 15 AMP, 105LB		
F-021	1	X CHAIR - OFFICE	HON #4609AB10		IN OFFICE AREA, SEE SHEET A8.2								
F-022	1	X LICENSE FRAME (BLACK)	CREATIVE PALETTE TB30	X	IN OFFICE AREA								
F-026	1	X DESK LAMP	TBD		IN OFFICE AREA, SEE SHEET A8.2								
F-030	1	X COAT HOOK	ISS #HOOK246R2Y	X	IN OFFICE AREA								
F-040	1	X OFFICE COMPUTER	POS PROVIDED	X	IN OFFICE AREA, SEE SHEET A8.2								
F-059	1	X CREDIT CARD SATELLITE ROUTER JUNCTION											
F-068	1	X MONITOR - OFFICE	YUM										
F-080	1	X OFFICE PRINTER/COPIER/FAX/SCANNER	POS PROVIDED	X									
F-090	5	X UPS (UN-INTERRUPTABLE POWER SUPPLY)	POS PROVIDED	X									
F-102	1	X MONEY COUNTER	TELLERMATE #TIXR3000	X	IN OFFICE AREA								
F-131	1	X SPEAKERS	MOOD MEDIA LOCAL LEASE	X									
F-165	2	X FRONT LOAD SAFE	PERMA VAULT #PRO-10TM										
F-174	1	X SAFE WITH TOUCH SCREEN CONTROLS		X									
F-211	1	X CLOCK	B&B SYSTEMS #02100100		IN OFFICE AREA, SEE SHEET A8.2								
F-262	1	X 6 COUNT EMPLOYEE LOCKERS E7600235	LYON WORKPLACE 12' X 18' X 78' GREY	X	IN OFFICE AREA								
F-277	1	X FIRST AID KIT	PROSTAT FIRST AID LCC #2617	X	IN OFFICE AREA								
F-500	1	X STACKABLE HIGH CHAIR											
F-504	1	X DVR & MONITOR											
F-915	2	FLOOR MAT	CREWSAFE, ENTRANCE I #41150012		RUBBERIZED - 3-5', RIBBED, CHARCOAL, WSM #800503								
F-920	1	RUBBER MAT	CREWSAFE, WSM#800507		RUBBERIZED - BLACK 2X8, 1/4 NON SLIP CORRUGATED TOP & RUBBER NO-SLIP BACK ENTRANCE								
K WORKSTATIONS/SHELVING/CARTS													
K-132	2	X CART, CLOSING MADE SIMPLE	SPG / ISS (Alternate: METRO)		#WST1434Y								
K-210	1	PREP SINK WORKSTATION 50 TRACK	SPG / ISS (Alternate: METRO)		#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC								
K-221	1	X 3 COMP SINK WORKSTATION 96 TRACK	SPG / ISS (Alternate: METRO)		#DS1F, Wall Trax System for 3 Comp Sink, (3) 18X24 GRIDS + ACC								
K-381	1	X FRY WORKSTATION 30D X 78H X 36 in.	SPG / ISS (Alternate: METRO)		#WST1724E, 36 in. Crispy Frystation								
K-420	1	X SHELF, BEV PLATFORM 18X36	SPG / ISS (Alternate: METRO)		#WST34Y: F/CARBONATOR, &OR RECIRC PUMP								
K-490	2	X SHELVING 18X24/24, 2-TIER	SPG / ISS (Alternate: METRO)		#WST440Y								
K-522	2	X SHELVING, 18X60X76, 5-TIER, SMALL PACKAGING	SPG / ISS (Alternate: METRO)		#WST1548Y								
K-523	2	X SHELVING, 18X60X76, 3-TIER, CUP & LID	SPG / ISS (Alternate: METRO)		#WST1580Y								
K-608	8	X SHELVING, 18X36X86, 5-TIER, DRY STORAGE	SPG / ISS (Alternate: METRO)		#WST238Y								
K-607	1	X SHELVING	SPG / ISS (Alternate: METRO)										
K-657	2	X SHELVING 24X7											



FRONT ELEVATION 1/4" = 1'-0" 1



TYPE	MARK	QTY	ITEM DESCRIPTION	LOC
TOWER	V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	A4.1
	V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
SIDE ENTRY	V-04.42	1	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.0
	V-200.EN	1	SIDE ENTRY AWNING 6' 3" L X 6' H X 3' 0" D BLACK	A4.0
DRIVE THRU	V-101.DT	1	DT AWNING (OVER DT) 9' 0" X 4' 0" BLACK	A4.1
EYEBROW AWNINGS	V-201.EN	1	SIDE ENTRY EYEBROW (WINDOW) 6' 11" L X 6' H X 1' 4" D BLACK	A4.0
	V-202.EN	1	FRONT EYEBROW (WINDOW) 16' 9" L X 6' H X 1' 4" D BLACK	A4.1
	V-203.EN	1	DT EYEBROW (WINDOW) 6' 2" L X 6' H X 1' 4" D BLACK	A4.1

LED WALL WASHER DETAIL F

SIGNAGE E

GENERAL NOTES C

PAINTING
 APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION.
 PRIMER: 1 COAT SW A24W300
 FINISH: 2 COATS SW A82-100 SERIES, MATCH COLORS FROM MATERIAL SCHEDULE.
 A-100 EXTERIOR LATEX SATIN.

X	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
5519	GO MOBILE - BLUE	E	M02	48x96	A4.0
5520	GO MOBILE - BELL	E	M02	48x96	A4.0
5523	GO MOBILE - SKIP THE LINE	E	M02	48x96	A4.1
5524	GO MOBILE - ORDER AHEAD	E	M02	48x96	A4.1

PAINT NOTES A

316 METAL PARAPET CAP
 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
 401 DASHED LINE INDICATES ROOF BEYOND.
 403 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
 407 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
 408 HOSE BIBB BOX AT 18" A.F.F. SEE PLUMBING DRAWINGS.
 416 EXTERIOR LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR, REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
 419 OUTLINE OF RTU BEYOND.
 422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR, REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
 423

SYMBOL	ITEM/MATERIAL	MANUFACTURER	MATERIAL SPEC	COLOR	CONTACT INFORMATION
1	SIDING	JAMES HARDIE	ARTISAN V-GROOVE 144'L X 8.25W; 7" EXPOSURE COMES PRIMED FOR PAINT	WORLDLY GRAY (SW7043), SEMI-GLOSS	SEE C / A 7.2
2	SCUPPERS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
3	DOWN SPOUTS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
4	HARDIE TRIM	JAMES HARDIE	HARDIE TRIM 5/4 SMOOTH 1" x 5.5"	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
5	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
6	HOLLOW METAL DOOR	-	-	SW PURPLE TB2603, SEMI-GLOSS	
7	AWNINGS	SIGNAGE VENDOR	-	BLACK BY THE SIGNAGE VENDOR	
8	CORNER TOWER	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
9	RECESS OF SIDE ENTRY PORTAL	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
10	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	SW PURPLE TB2603, SEMI-GLOSS	SEE C / A 7.2
11	METAL PARAPET CAP	-	24GA GALVANIZED	CYBERSPACE (SW7076) KYNAR 500 COATING	

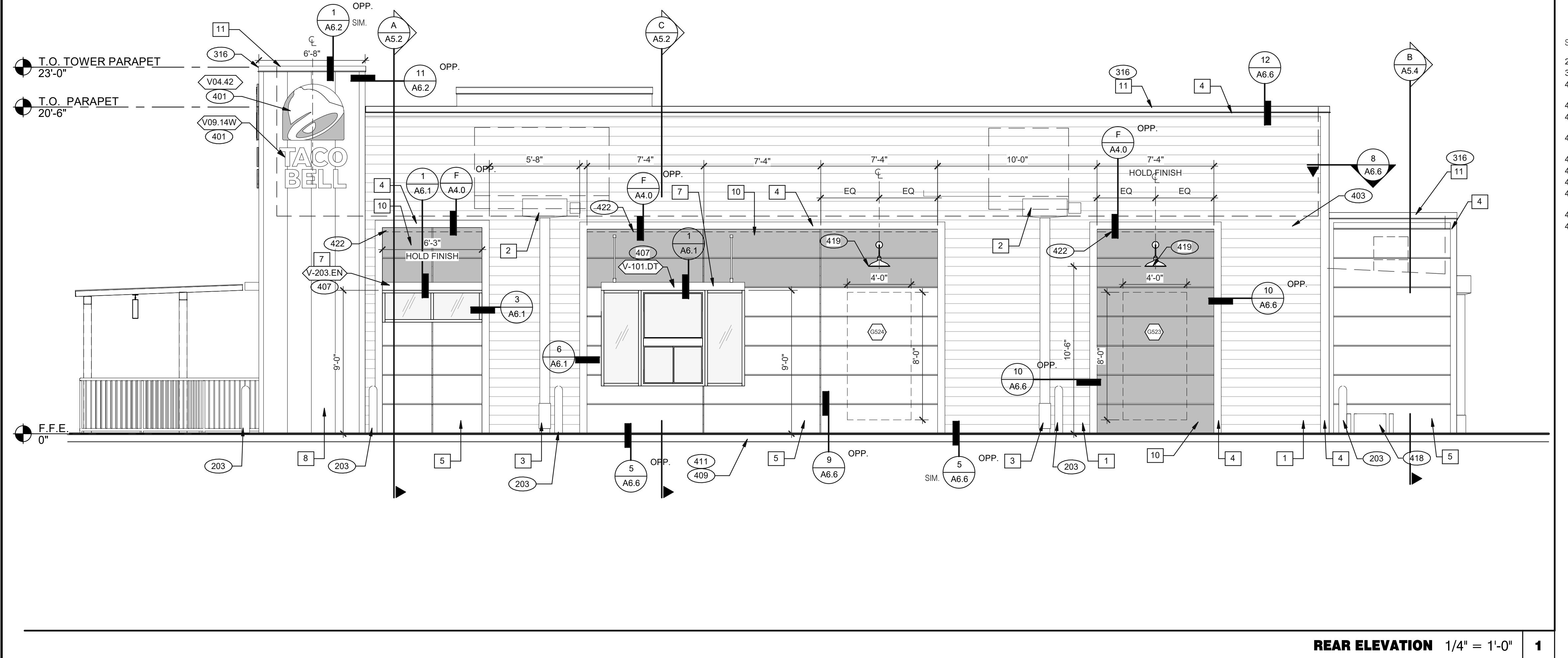
EXTERIOR FINISH SCHEDULE D

KEY NOTES B



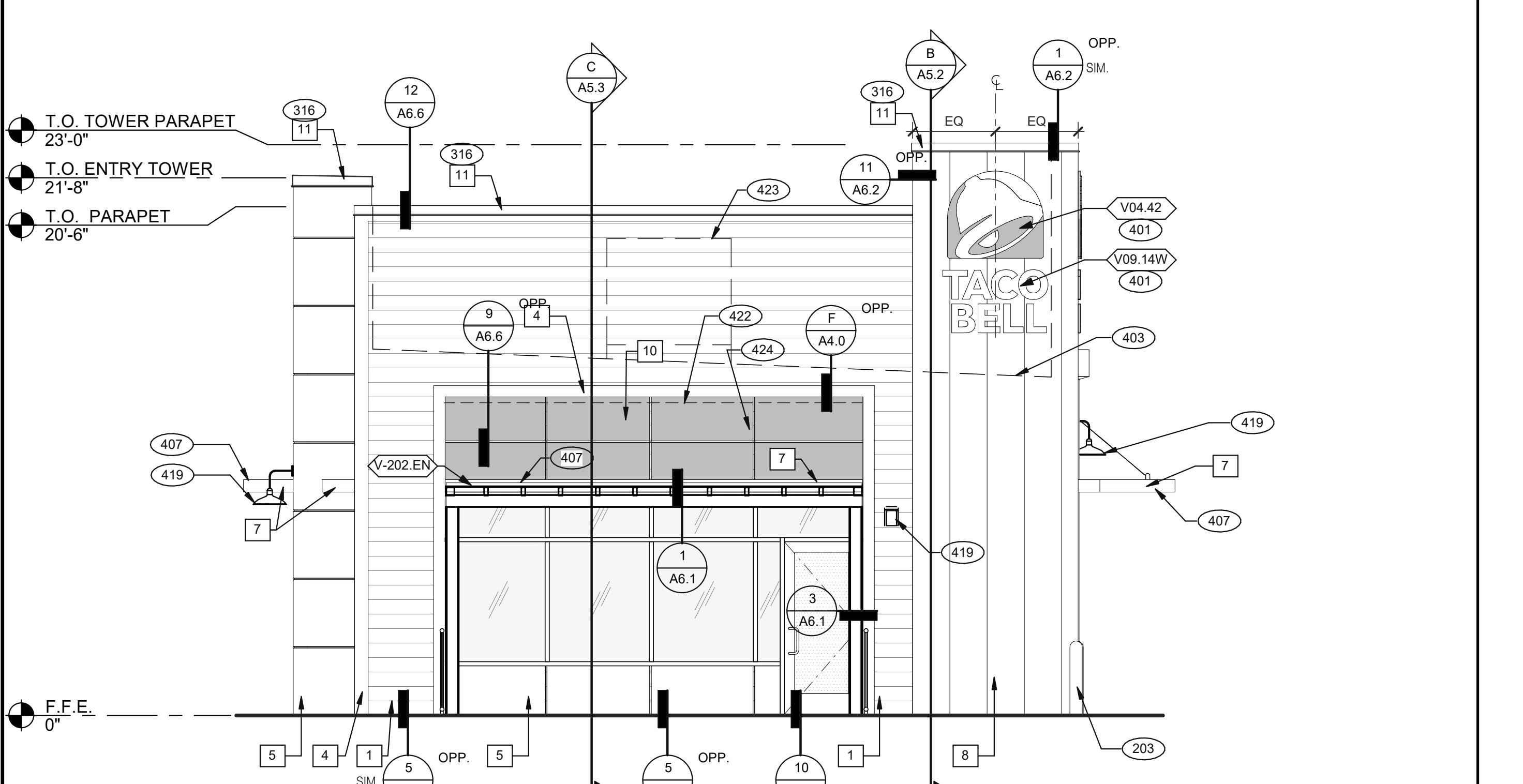
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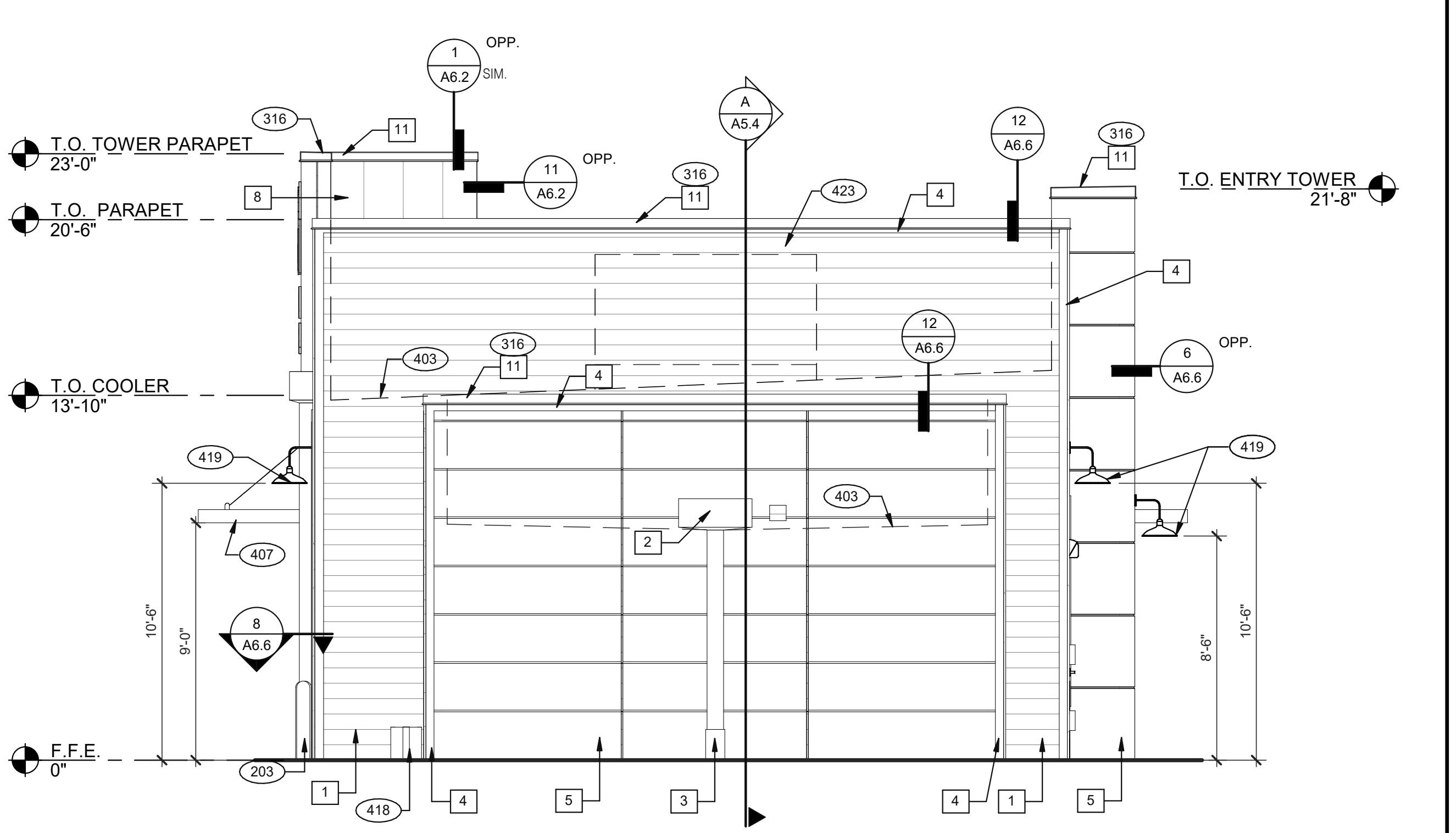


REAR ELEVATION 1/4" = 1'-0" 1

KEY NOTES A



FRONT ELEVATION 1/4" = 1'-0" 2



REAR ELEVATION 1/4" = 1'-0" 3

SEE SHEET A4.0 FOR FINISH SCHEDULE

203 PIPE BOLLARD. SEE CIVIL DRAWINGS.
316 METAL PARAPET CAP.
401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
403 DASHED LINE INDICATES ROOF BEYOND.
407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
409 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
411 CONCRETE CURB.
418 GAS METER.
419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR, REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
423 OUTLINE OF RTU BEYOND.
424 ALIGN REVEAL WITH VERTICAL MULLION.

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28

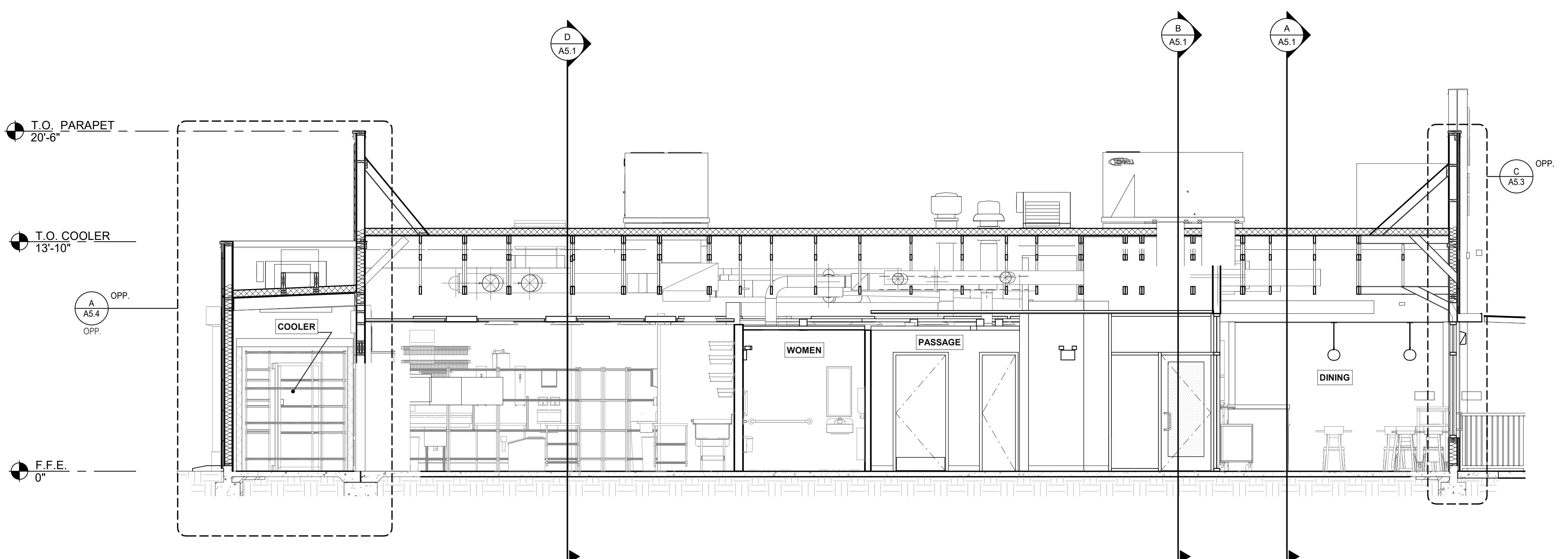
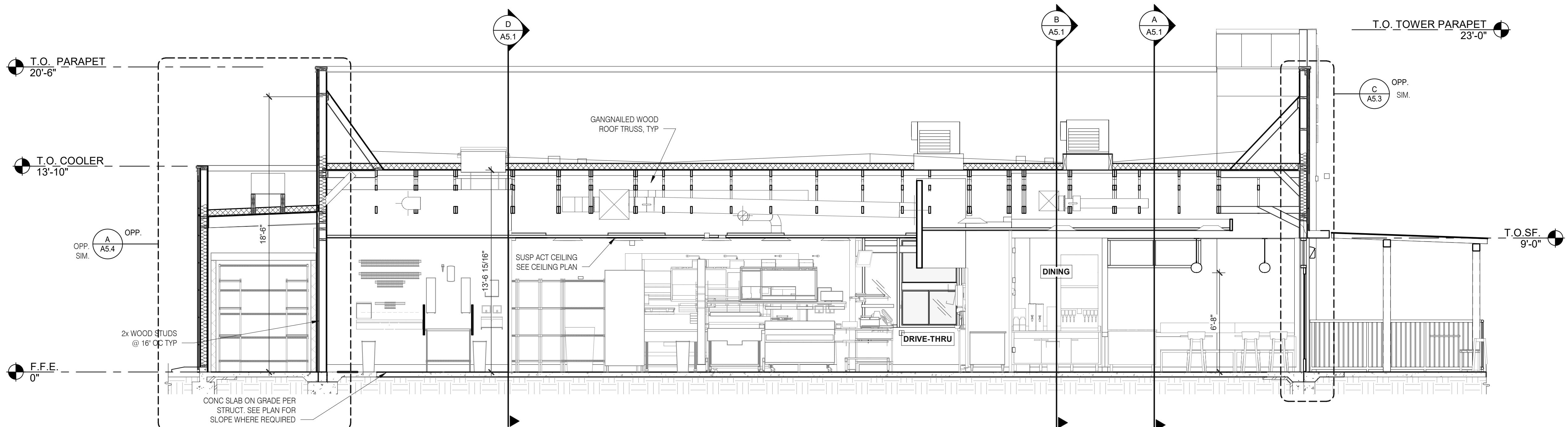


TACO BELL
36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
EXTERIOR
ELEVATIONS

A4.1

PLOT DATE: 1/18/2022 3:42:31 PM



DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
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PA/PM: SM
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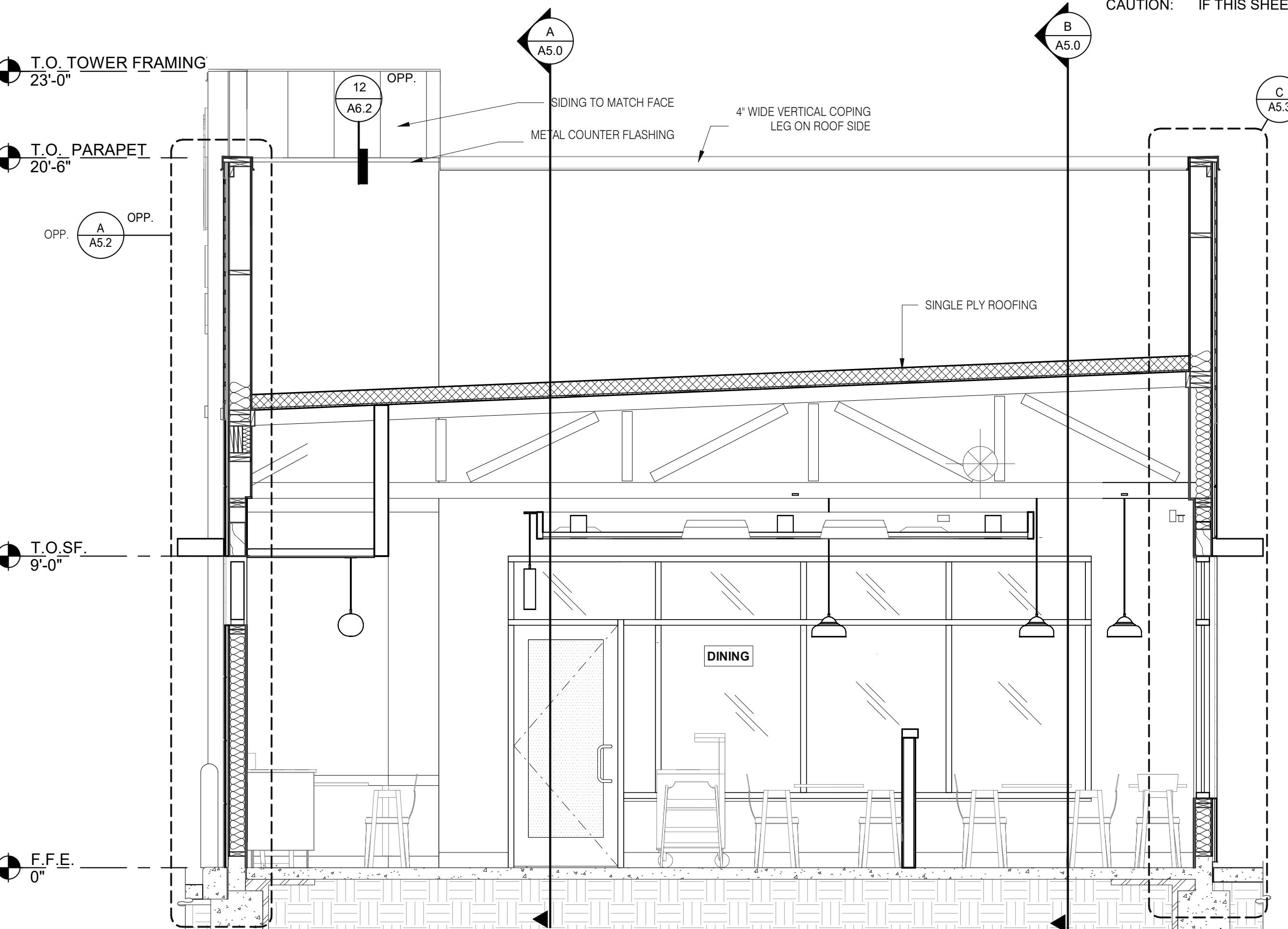
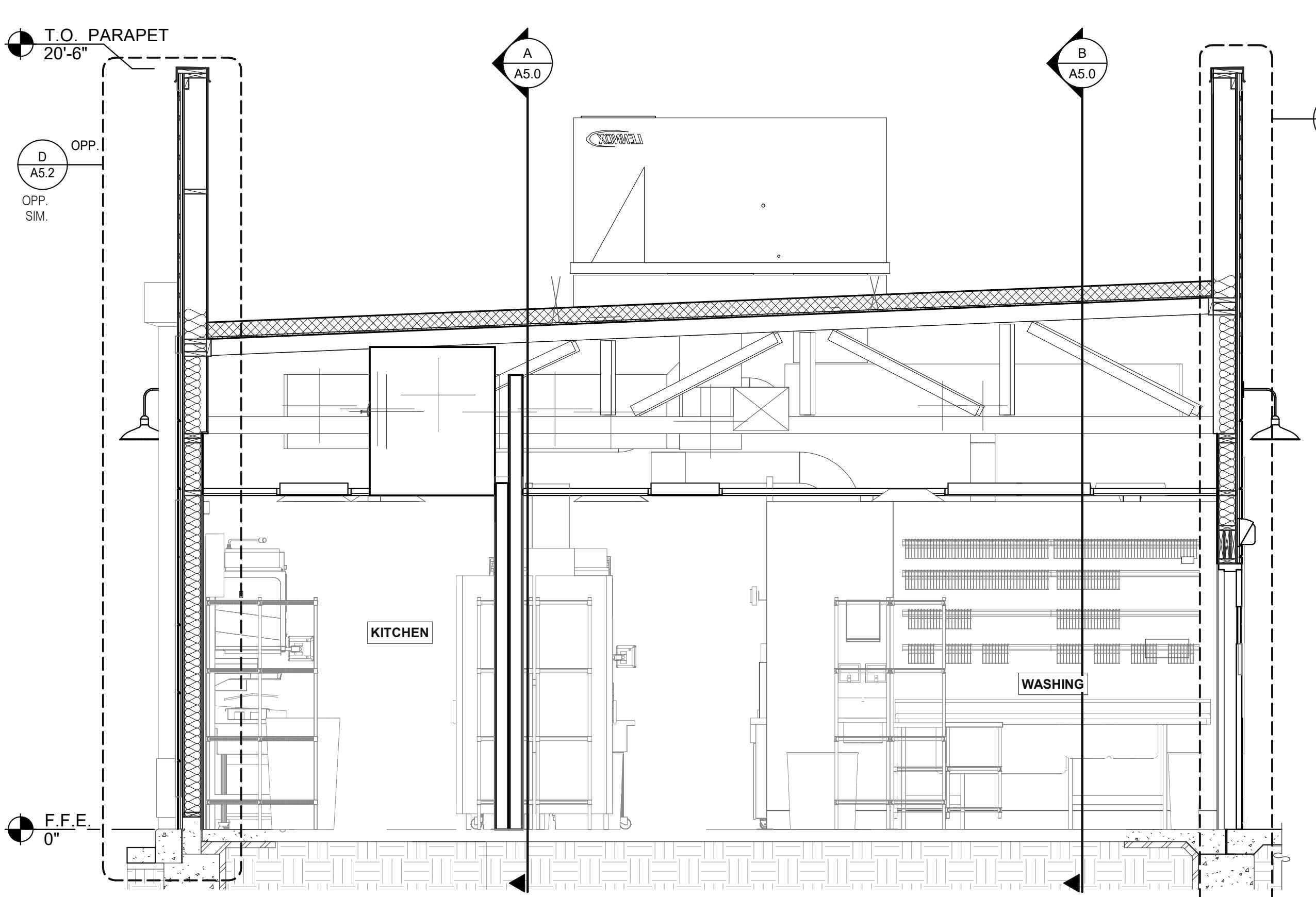
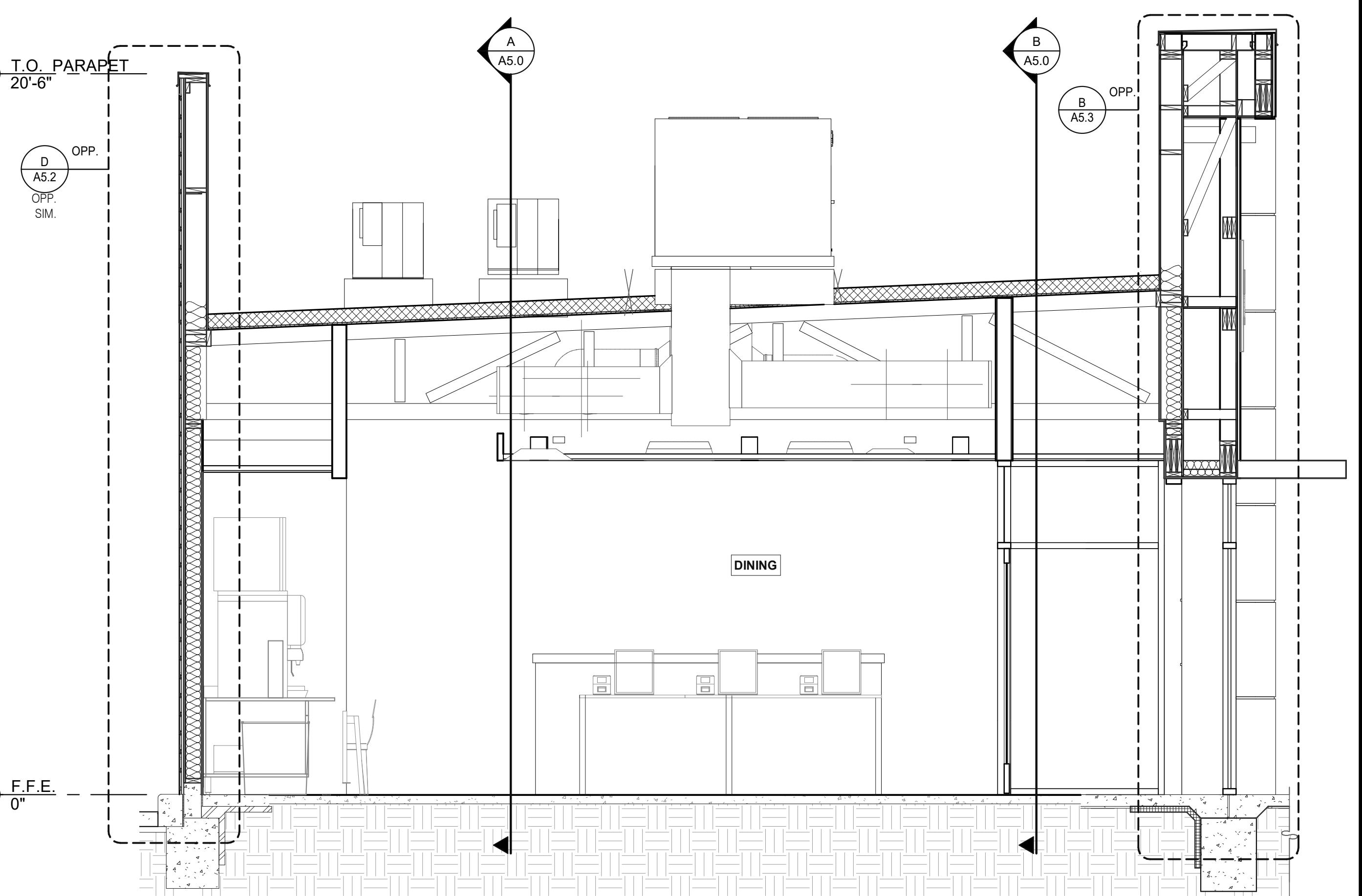
TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
**BUILDING
SECTIONS**

A5.0

LEFT TO RIGHT BUILDING SECTION 5 3/8" = 1'-0" **A**A51_LEFT TO RIGHT BUILDING SECTION 4 3/8" = 1'-0" **D**LEFT TO RIGHT BUILDING SECTION 3 3/8" = 1'-0" **B**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

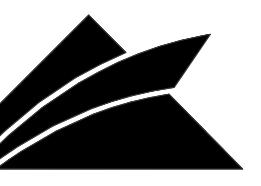
CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RS
 JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
**BUILDING
SECTIONS**

A5.1



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Architectural cross-section diagram illustrating the construction details for a building's exterior wall and roof interface. The diagram shows a vertical cross-section of the wall, starting from the foundation and extending up to the roof parapet. Key components and dimensions labeled in the diagram include:

- Top Dimensions:** T.O. PARAPET 20'-6", F.F.E. 0"
- Roofing Membrane:** ROOFING MEMBRANE TO RUN UP OVER TOP OF PARAPET AND EXTEND OVER FRONT FACE OF WALL UNDER COPING.
- Parapet:** 24 GA. METAL COPING.
- Trim:** 5/4" X 6" FIBER CEMENT BOARD TRIM.
- Roofing Membrane:** SINGLE PLY ROOFING MEMBRANE OVER 1/2" EXTERIOR GRADE PLYWD.
- Insulation:** SINGLE PLY ROOFING MEMBRANE OVER R-35 MIN. RIGID INSULATION BOARD OVER 5/8" APA RATED PLYWOOD.
- Studs:** 2X6 STUDS.
- Fire Blocking:** 2X FIRE BLOCKING AT CEILING.
- Interior:** CEILING GRID AND TILE, R-19 MIN. (TYP.) FIBERGLASS BATT INSULATION.
- Exterior:** BLUESKIN VP WATER RESISTIVE AIR BARRIER MEMBRANE OVER 1/2" SHEATHING.
- Foundation:** R-10 MIN. RIGID PERIMETER INSULATION, EXTEND 24" EACH WAY.
- Notes:** SEE STRUCT. DWGS. FOR FUNDATION AND SLAB DETAILS.
- Dimensions:** 12 A6.6, 5 A6.6.

Architectural cross-section diagram of a building's exterior wall and roof framing, labeled T.O. TOWER FRAMING 23'-0". The diagram illustrates the vertical assembly of various building components from the foundation to the roof. Key features include:

- Roofing:** A single-ply roofing membrane is applied over a grade plywood underlayment. It slopes at a minimum of $1/4" / \text{FOOT}$ and runs up over the top of a parapet and extends over the front face of the wall under the coping.
- Parapet:** The parapet is a metal panel wall finish, aligned with the bottom of the adjacent parapet.
- Foundation:** The foundation and slab are per structural drawings, with $1/2" \text{ GYP. BD.}$ over metal joists at $16" \text{ O.C.}$ and $R-19 \text{ MIN. (TYP.) FIBERGLASS BATT INSULATION}$.
- Exterior Wall:** The exterior wall is framed with 2×6 wood studs, with $2 \times$ blocking at $48" \text{ O.C.}$ and $2 \times$ fire blocking at $8'-0" \text{ O.C., VERT.}$ and at ceiling level, typ.
- Interior:** The interior is divided into **DINING** and **EXTERIOR** spaces.
- Signage:** Signage is provided by a sign vendor, see elevations.
- Drainage:** A **BLUESKIN VP** water resistive air barrier membrane is applied over $1/2" \text{ SHEATHING}$.
- Ground:** The ground surface is covered with **VOLCANIC ROCK** and **FRENCH DRAIN** below.
- Dimensions:** A height of $9'-0"$ is indicated on the left, and a distance of $0"$ is indicated at the bottom right, labeled **F.F.E.**
- Opposite:** Opposite dimensions are marked as **12 A6.2** and **3 A6.2**.

Architectural cross-section diagram of a building's exterior wall and foundation, showing various construction details and dimensions. The diagram illustrates the following components from top to bottom:

- Roofing:** 24 GA. METAL COPING (12 A6.6) with a SLOPE MIN 1/4" / FOOT requirement.
- Parapet:** T.O. PARAPET 20'-6" high, with 5/4" X 6" FIBER CEMENT BOARD TRIM.
- Single Ply Roofing:** SINGLE PLY ROOFING MEMBRANE OVER 1/2" EXTERIOR GRADE PLYWD.
- Structural:** 2X BLOCKING @ 48" O.C.
- Wood Studs:** 2X8 WOOD STUDS - SEE STRUCTURAL.
- Insulation:** SINGLE PLY ROOFING MEMBRANE OVER R-35 MIN. RIGID INSULATION BOARD OVER 5/8" APA RATED PLYWOOD.
- Exterior Wall:** HARDIE BOARD SYSTEM INSTALL OVER WOOD FURRING PER MANUFACTURER RECOMMENDATIONS. REFER TO EXTERIOR ELEVATIONS FOR PAINT COLOR (13 A6.6).
- Header:** 2X BLOCKING AT 48" O.C. (1 A6.1) with a HEADER PER STRUCTURAL DRAWINGS requirement.
- Canopy:** CANOPY BY SIGN VENDOR (2 A6.1).
- Storefront:** STOREFRONT WINDOW SYSTEM.
- Interior:** INTERIOR FINISHES AS SCHEDULED.
- Exterior:** EXTERIOR (2 A6.1).
- Blueskin:** BLUESKIN VP WATER RESISTIVE AIR BARRIER MEMBRANE OVER 1/2" SHEATHING.
- Foundation:** FOUNDATION AND SLAB PER STRUCTURAL DRAWINGS (5 A6.6).
- Insulation:** 2" R-10 MIN. CONTINUOUS RIGID PERIMETER INSULATION, EXTEND 2'-0" HORIZONTALLY AND VERTICALLY.
- Curb:** CURB AT DRIVE-THRU SIDE ONLY (F.F.E. 0").

	DATE	REMARKS
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	01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
LAND DESIGNER: DICKSON
SITE NUMBER: 31416
CORE NUMBER: 452611
/PM: SM
AWN BY.: RS
B NO.: 2019088.28

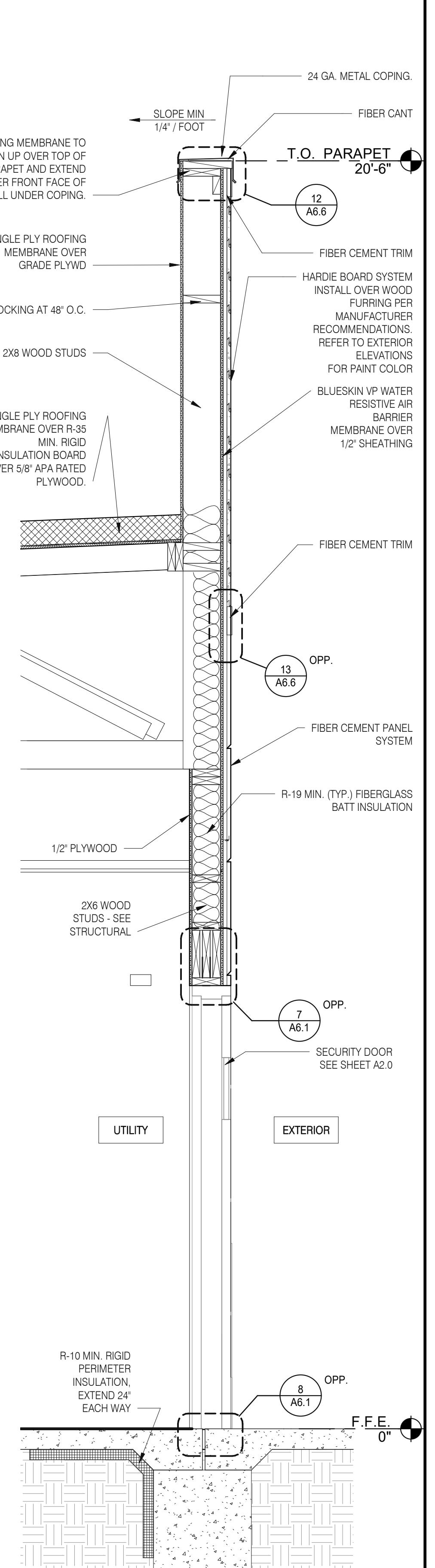
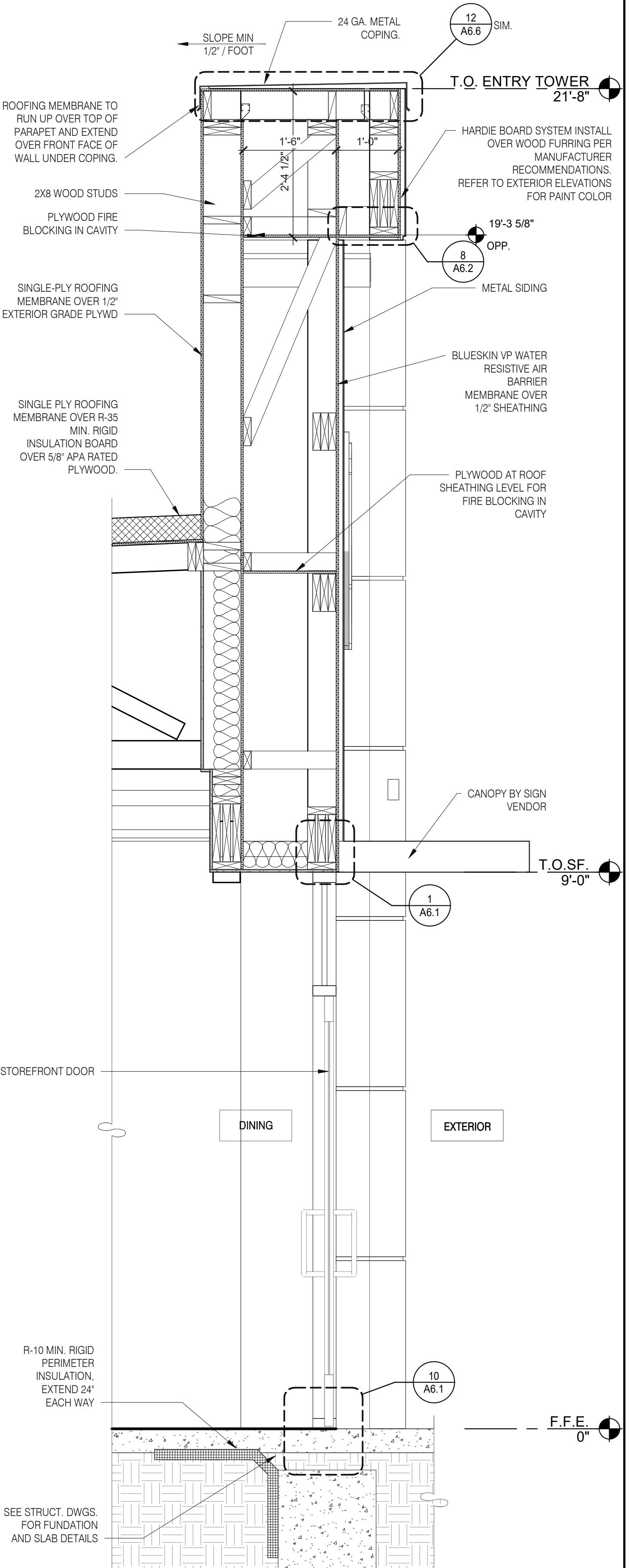
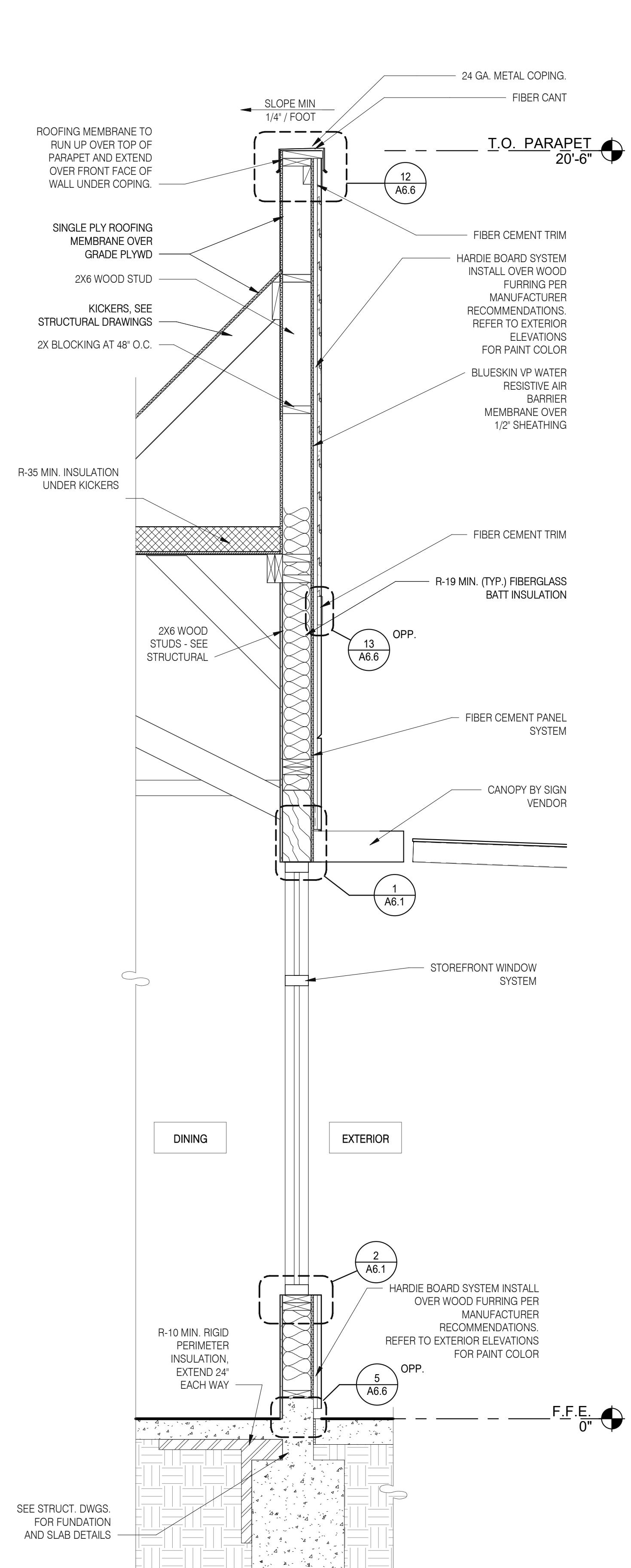
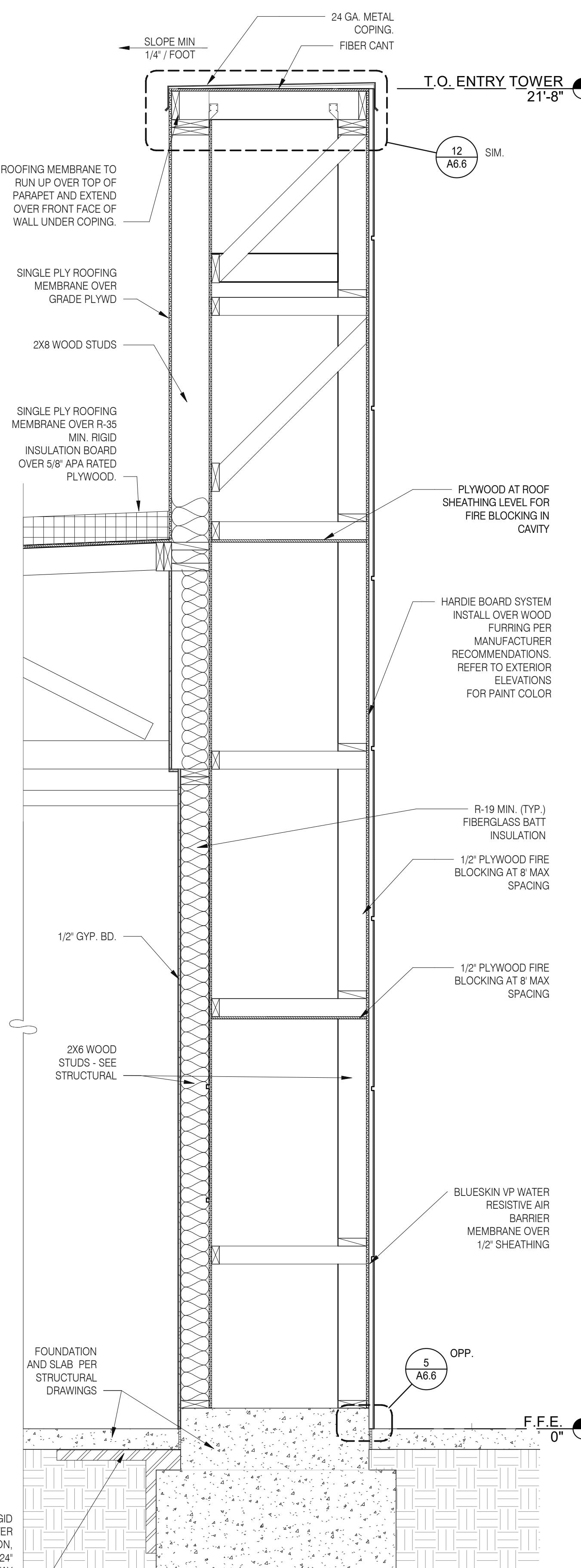
TACO BELL

36505 26 MILE RD.
ENOX TWP, MI 48048

ENDEAVOR 2.0

WALL SECTIONS

A5.2



DATE	REMARKS
09.08.2021	Issued for Permit
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 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RS
 JOB NO.: 2019088.28

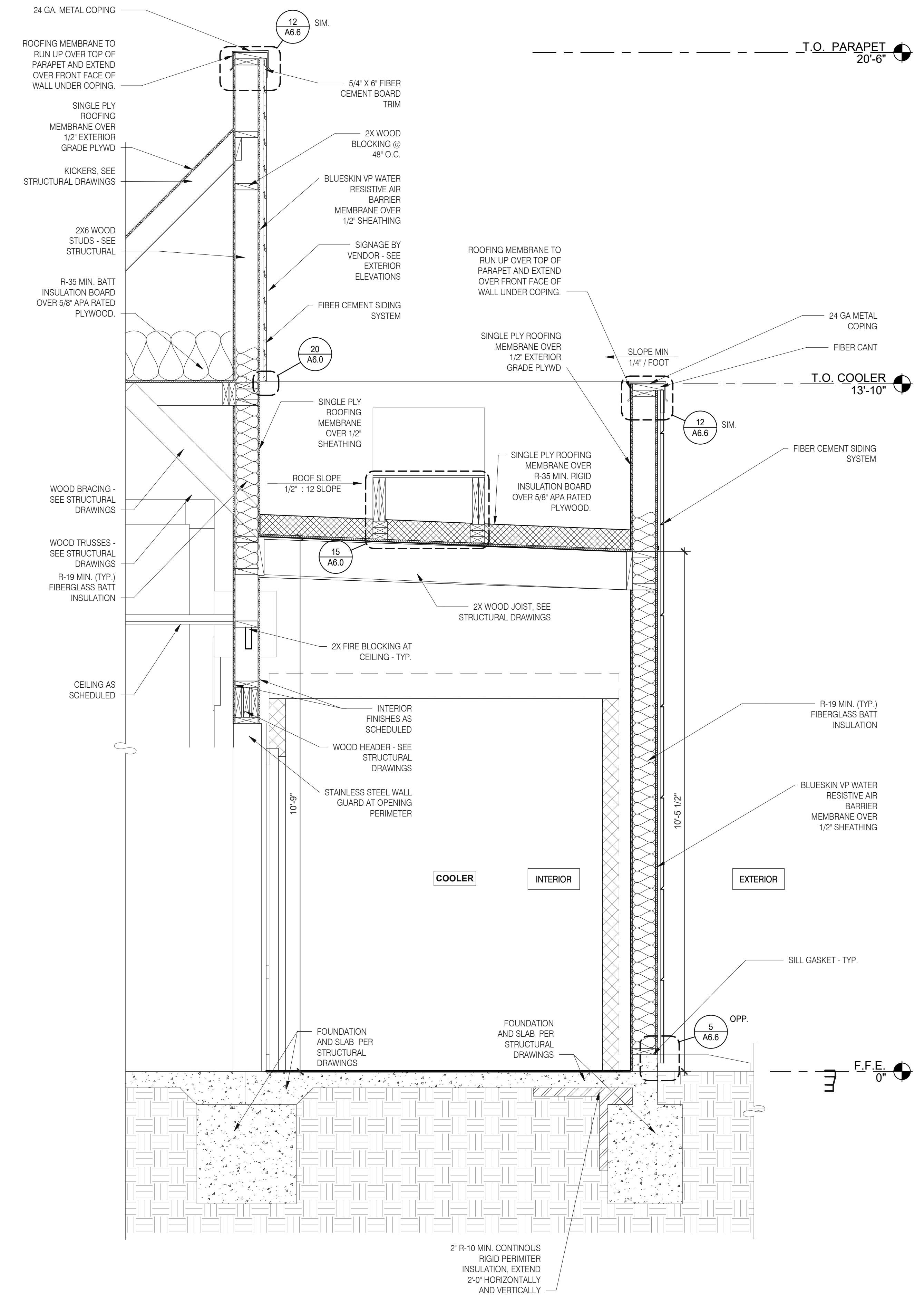
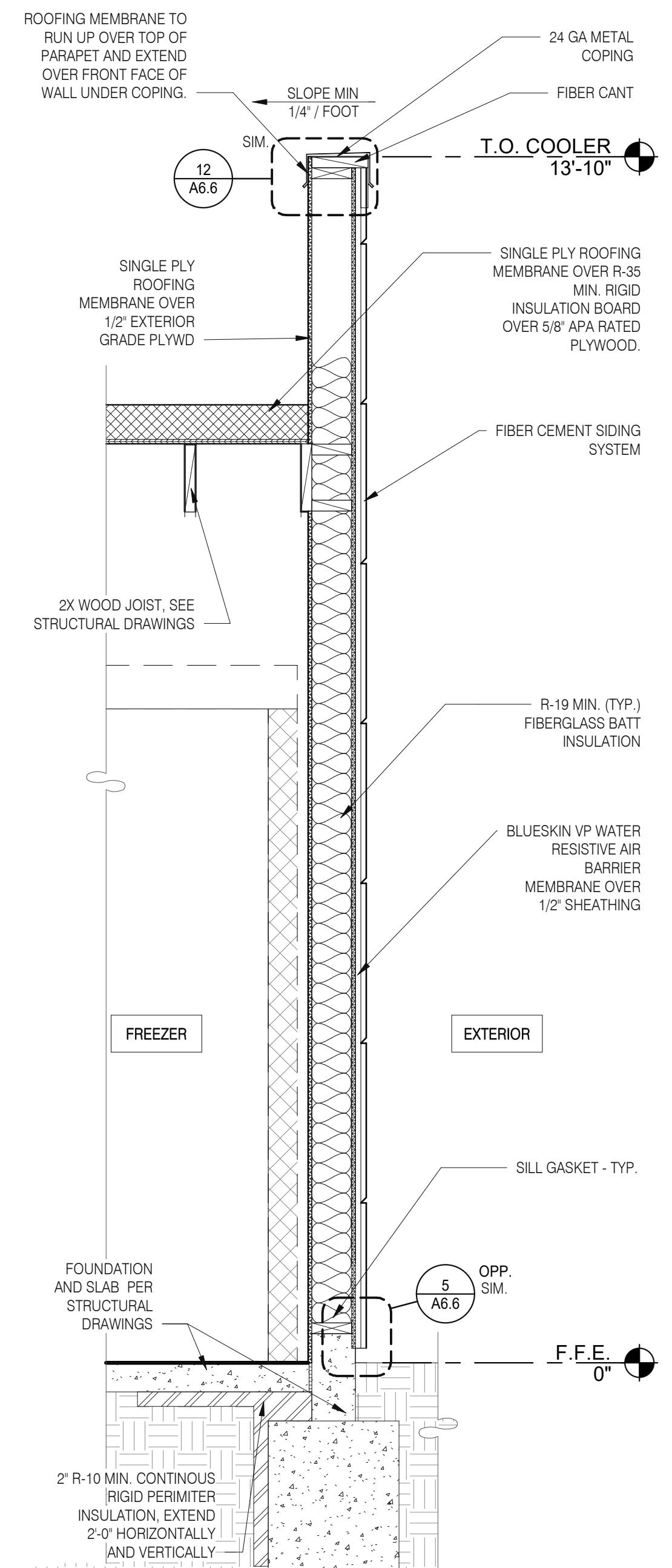
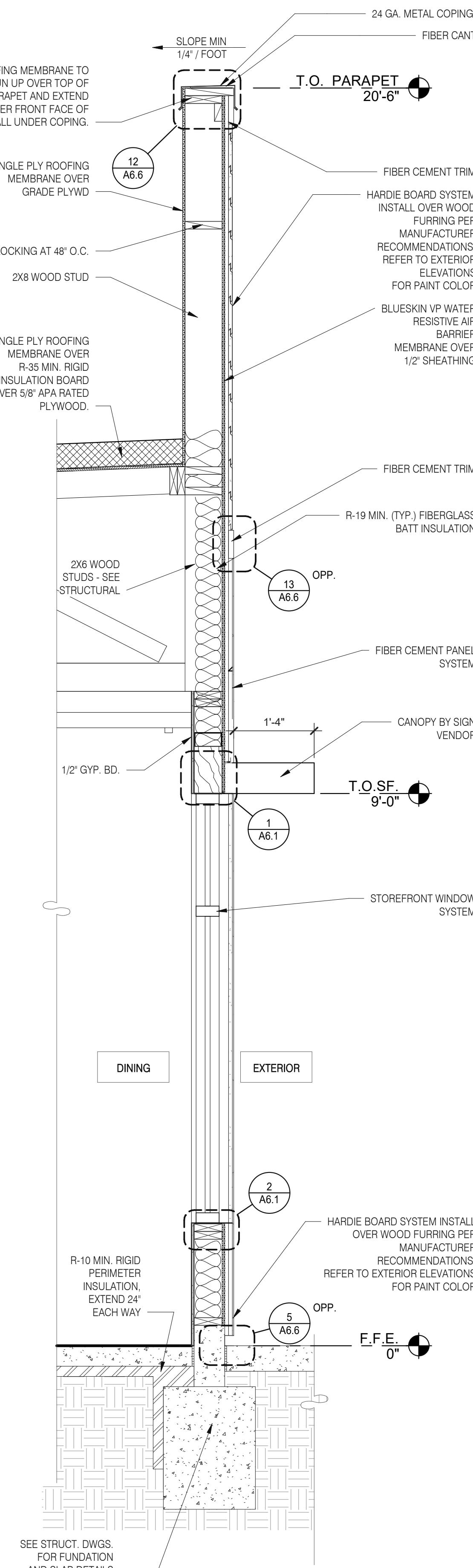
TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
**WALL
 SECTIONS**

A5.3

PLOT DATE: 1/18/2022 3:43:10 PM



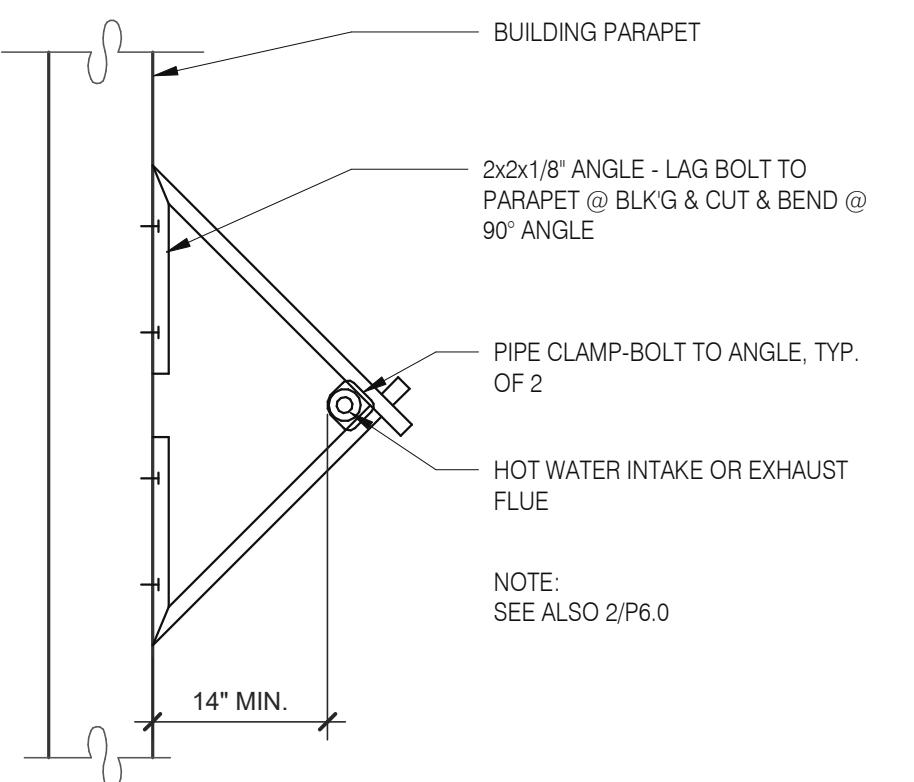
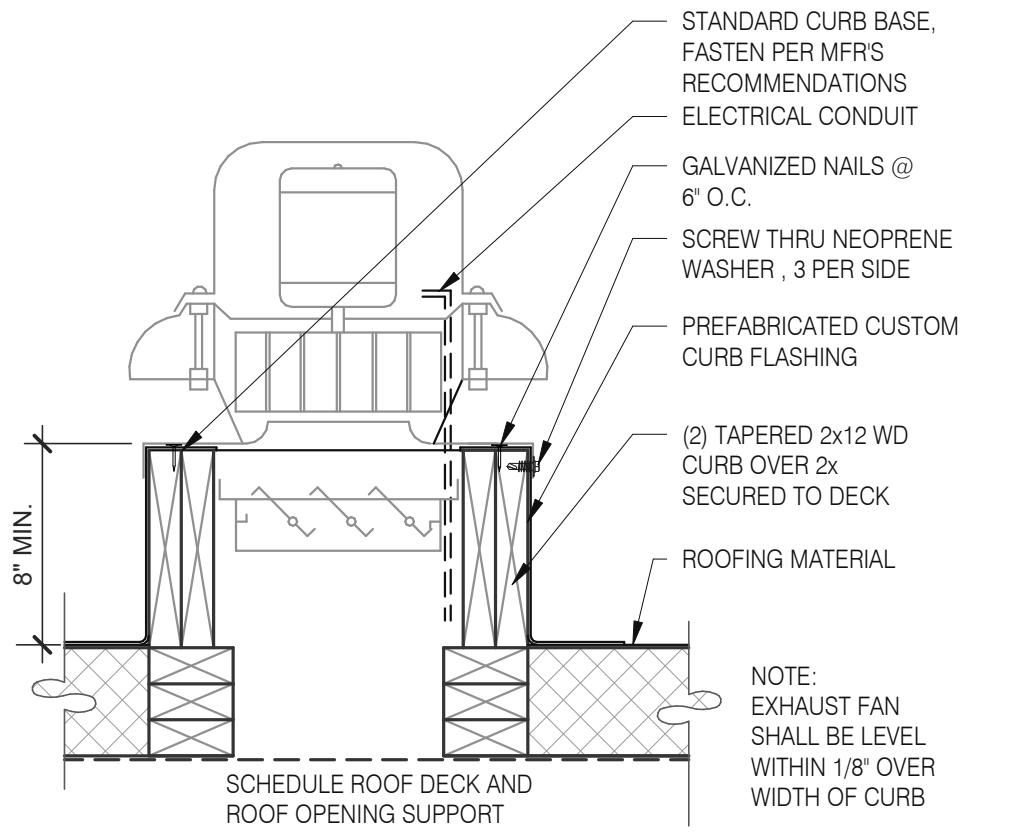
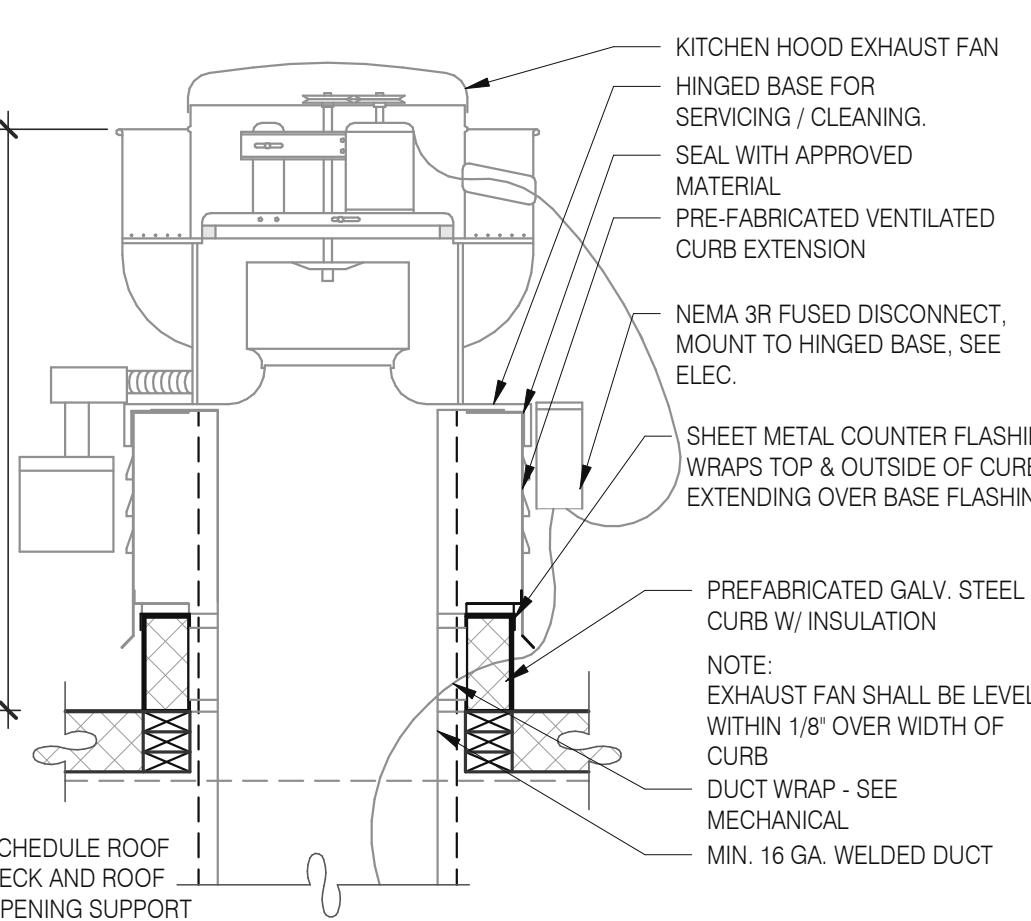
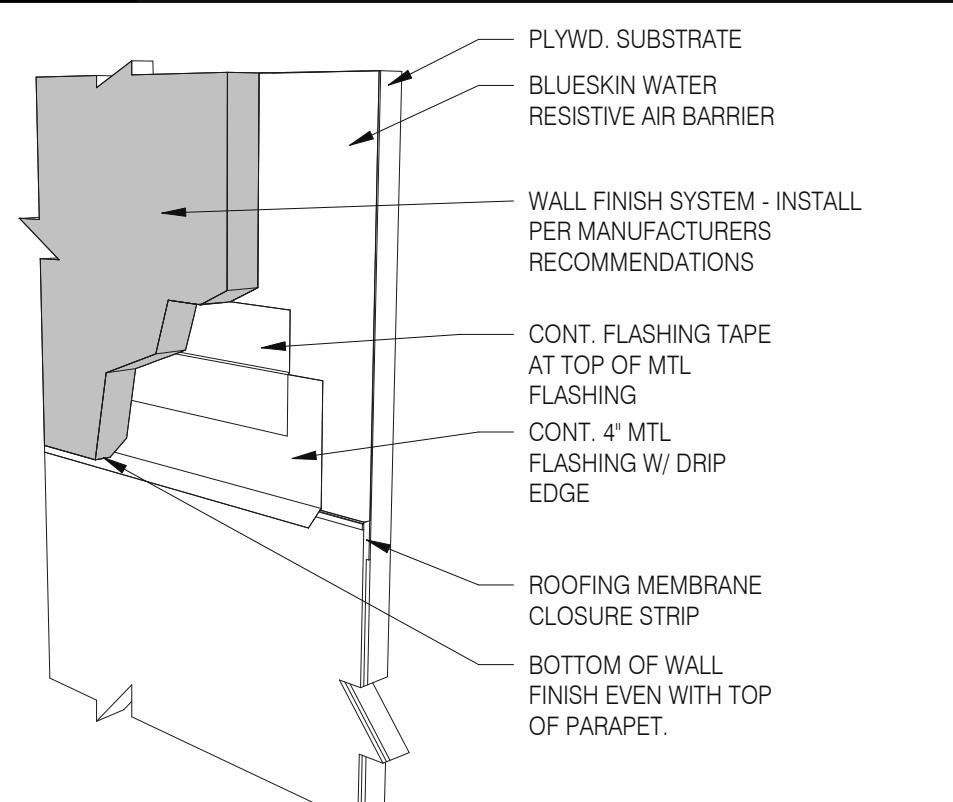
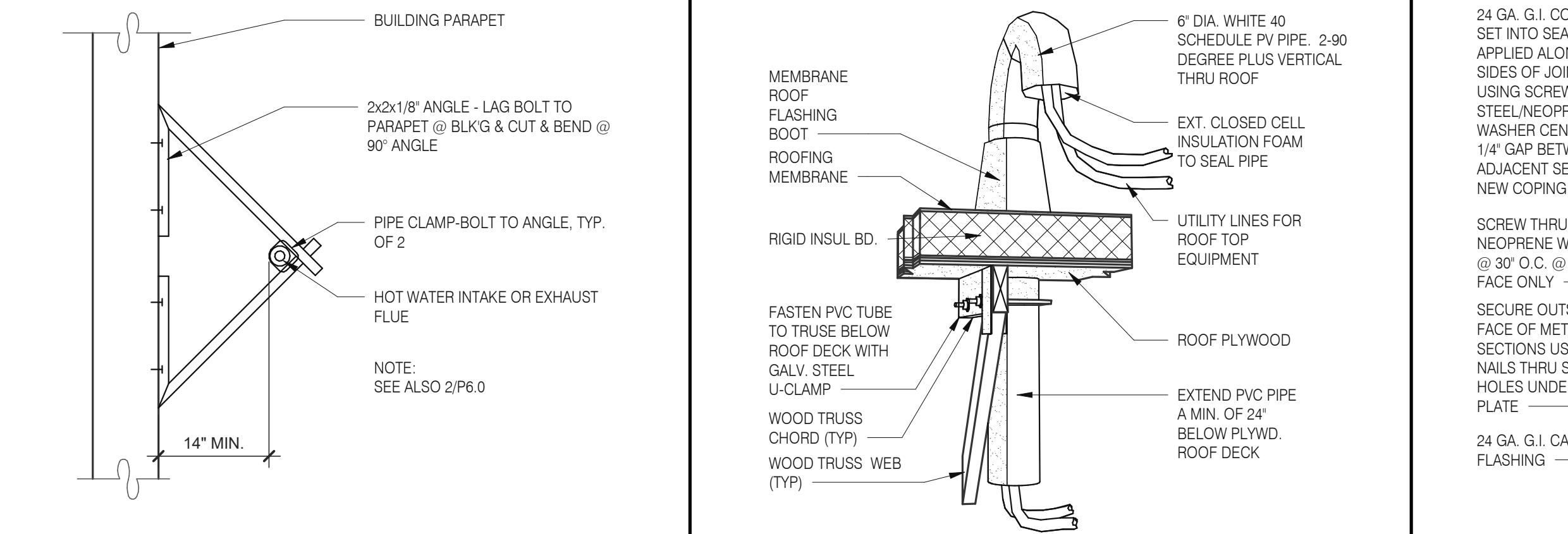
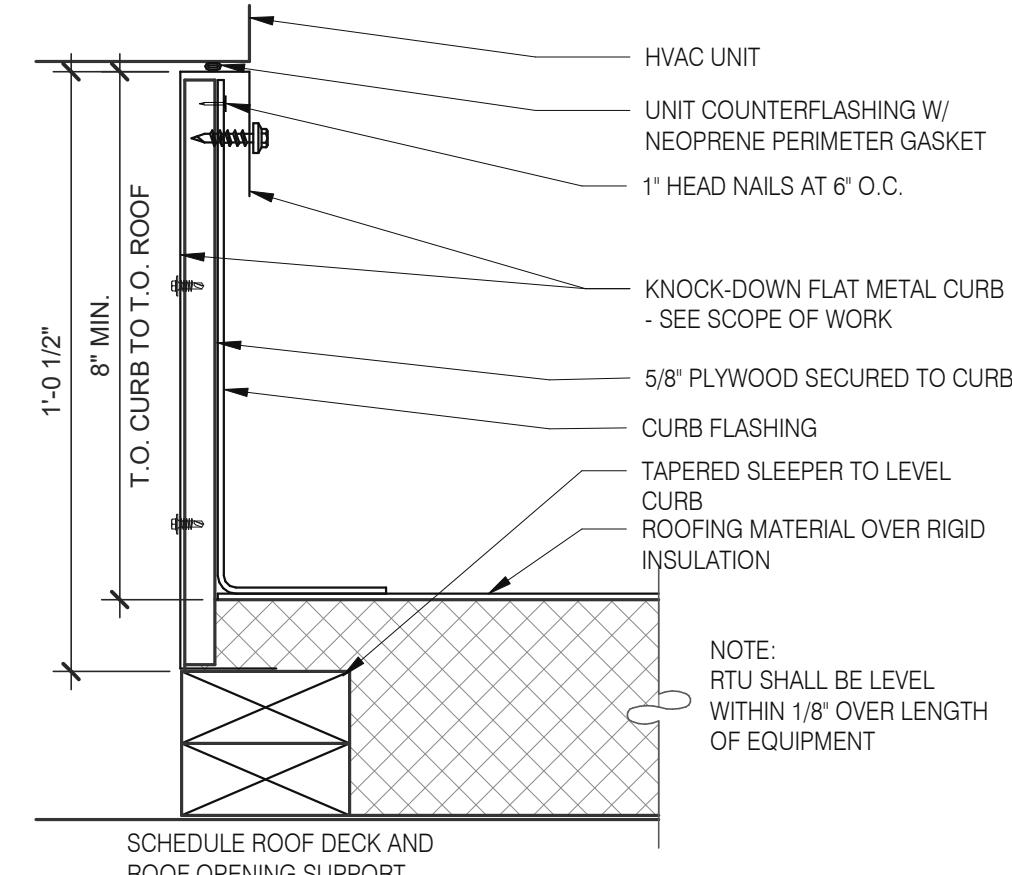
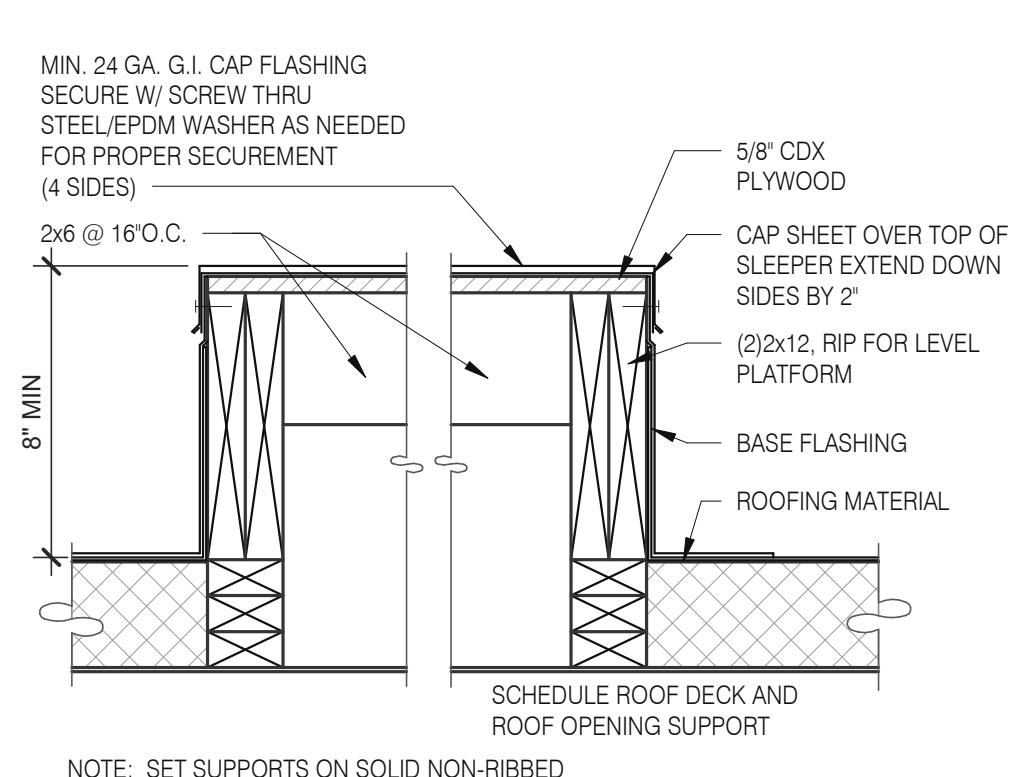
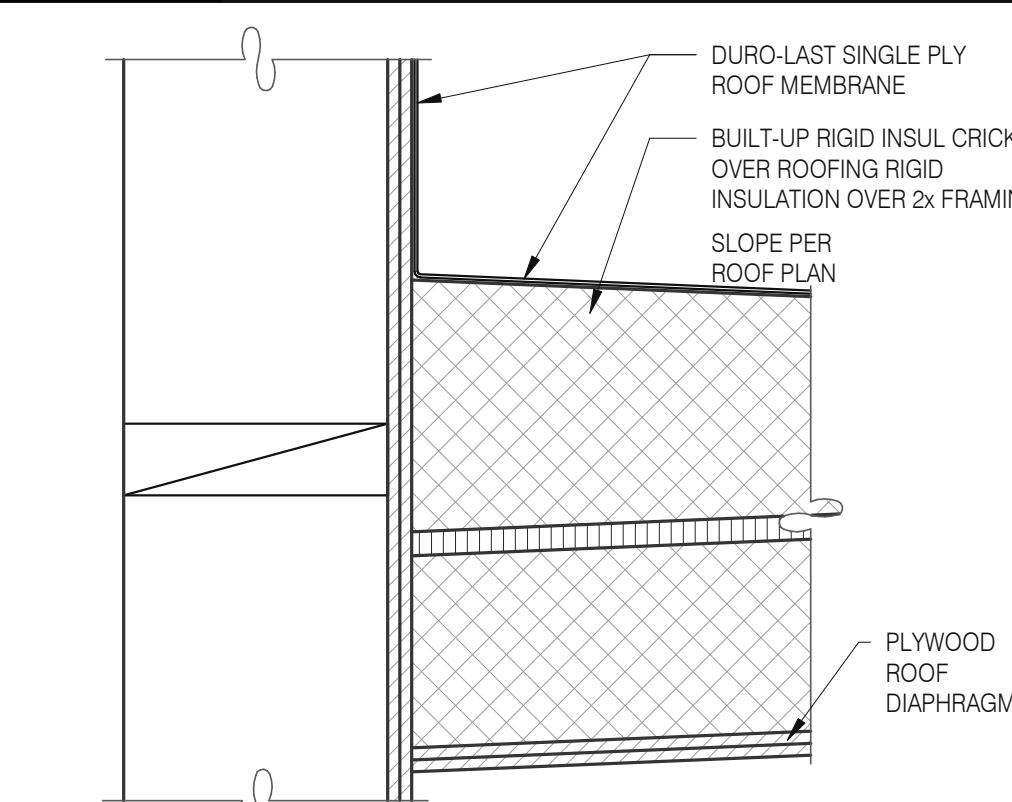
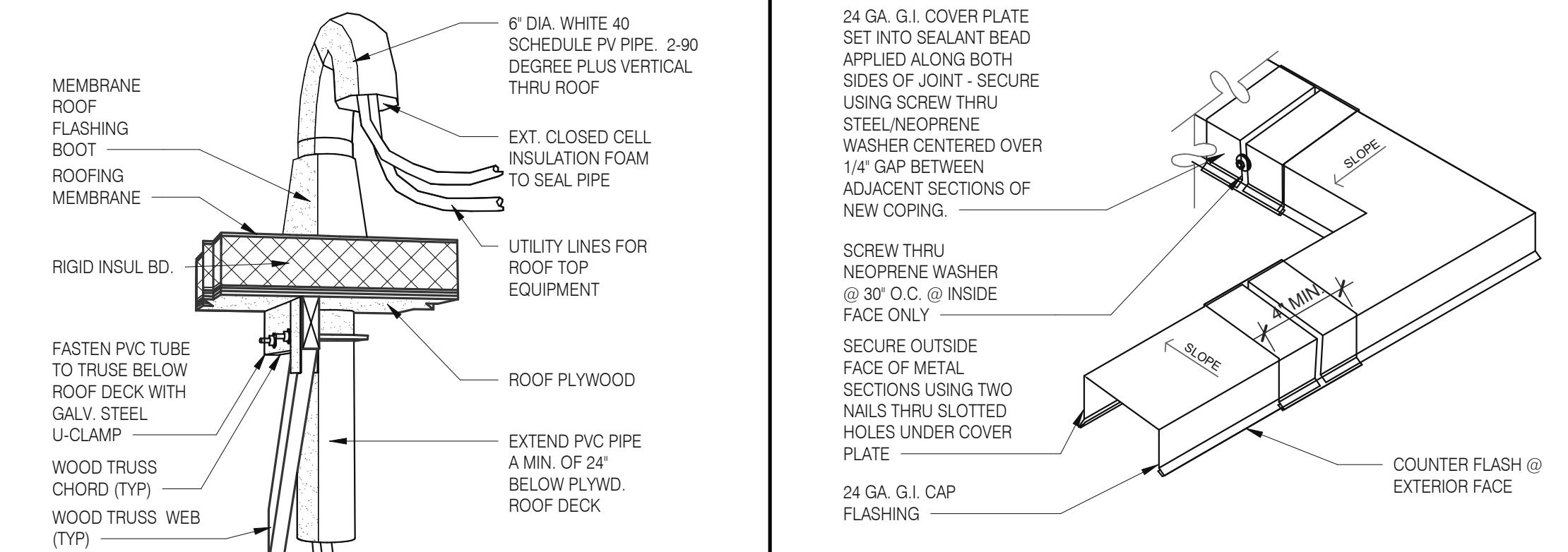
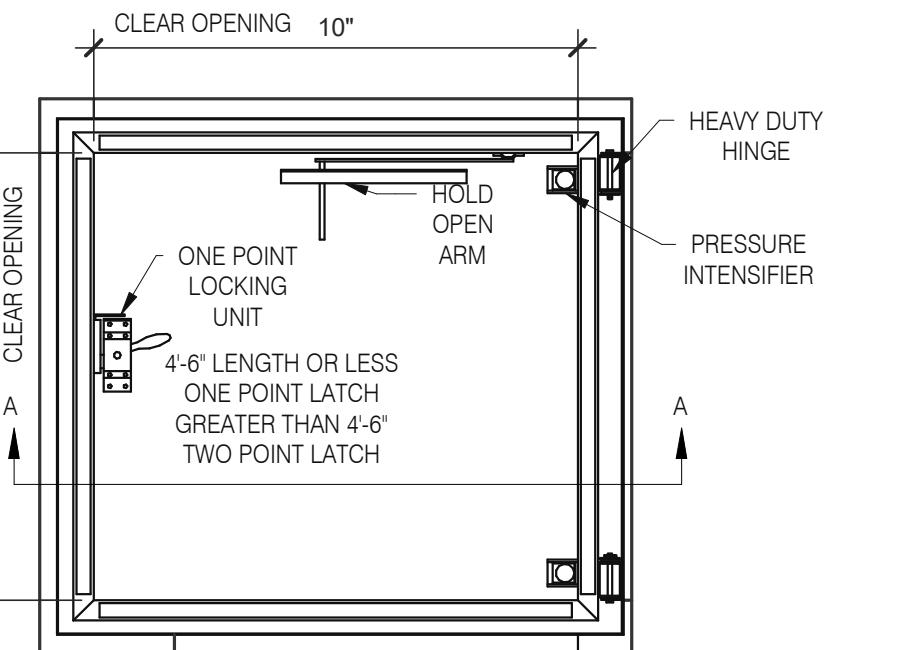
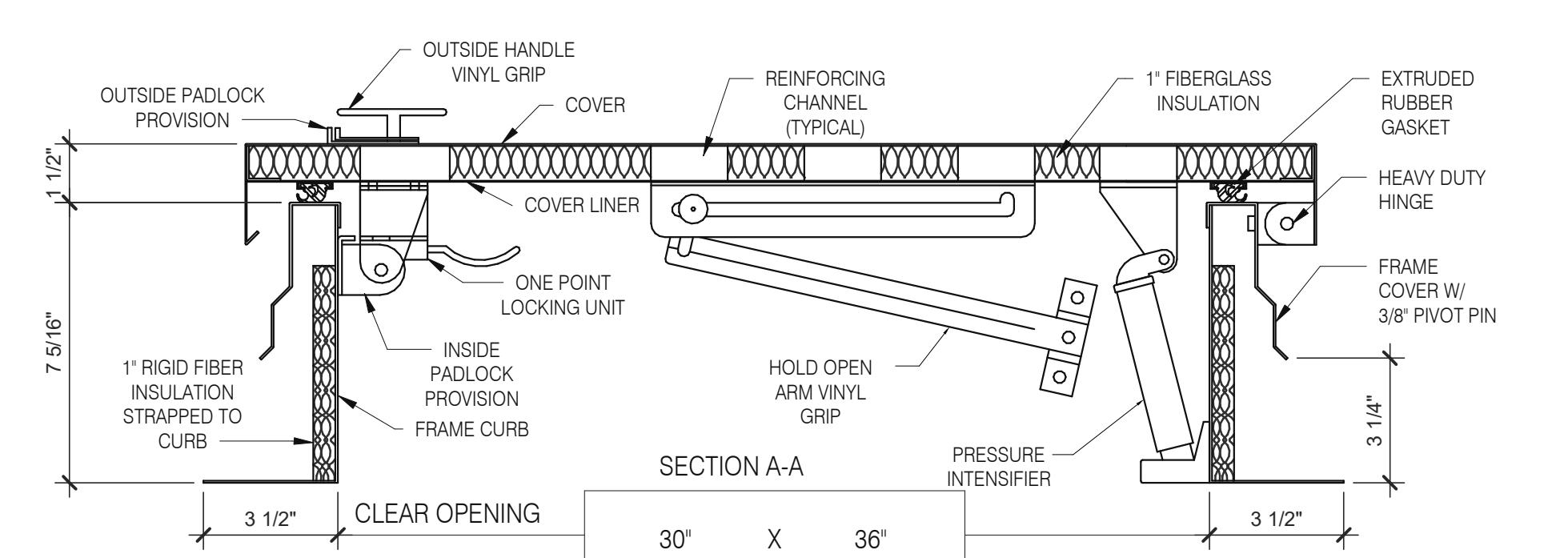
DATE	REMARKS
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CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28
TACO BELL
36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
**WALL
SECTIONS**

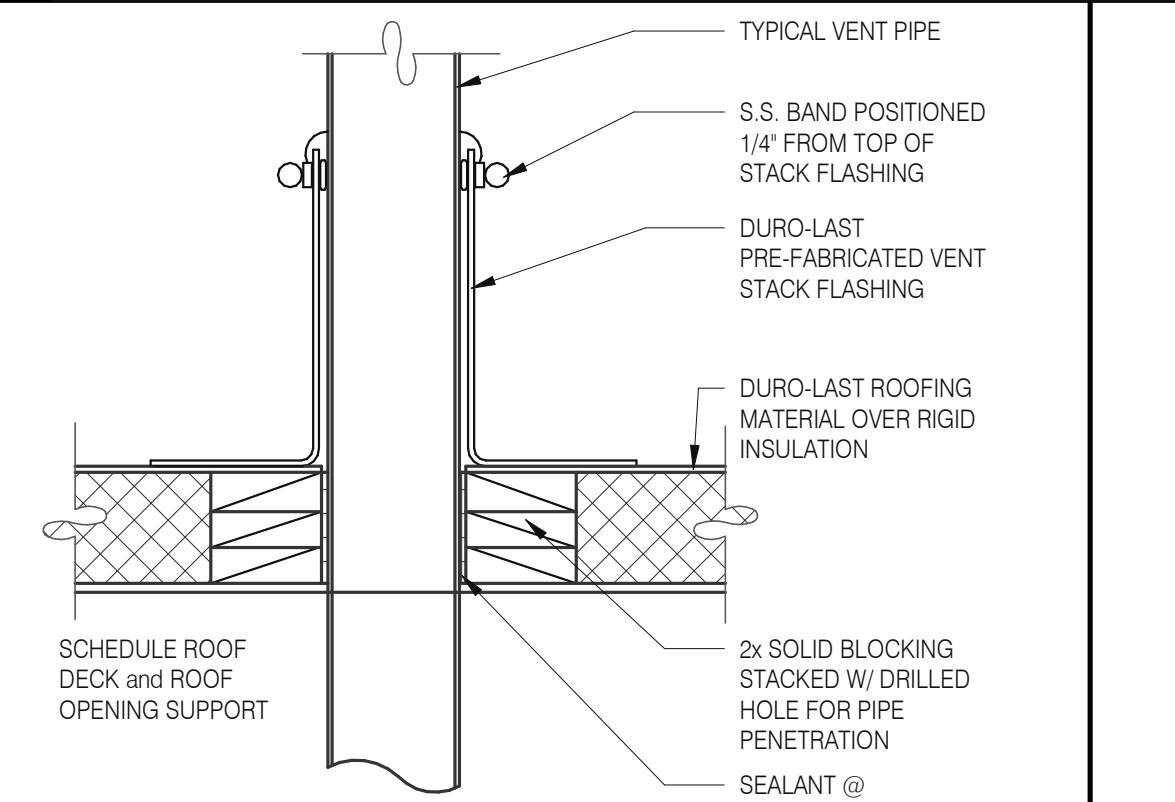
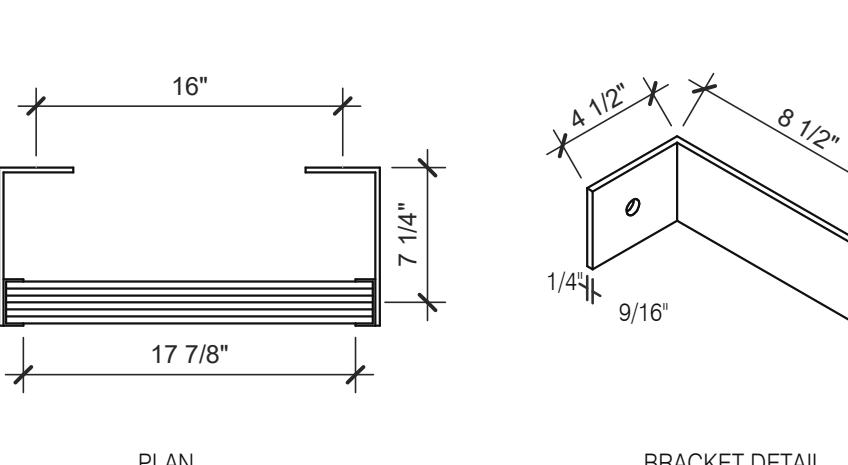
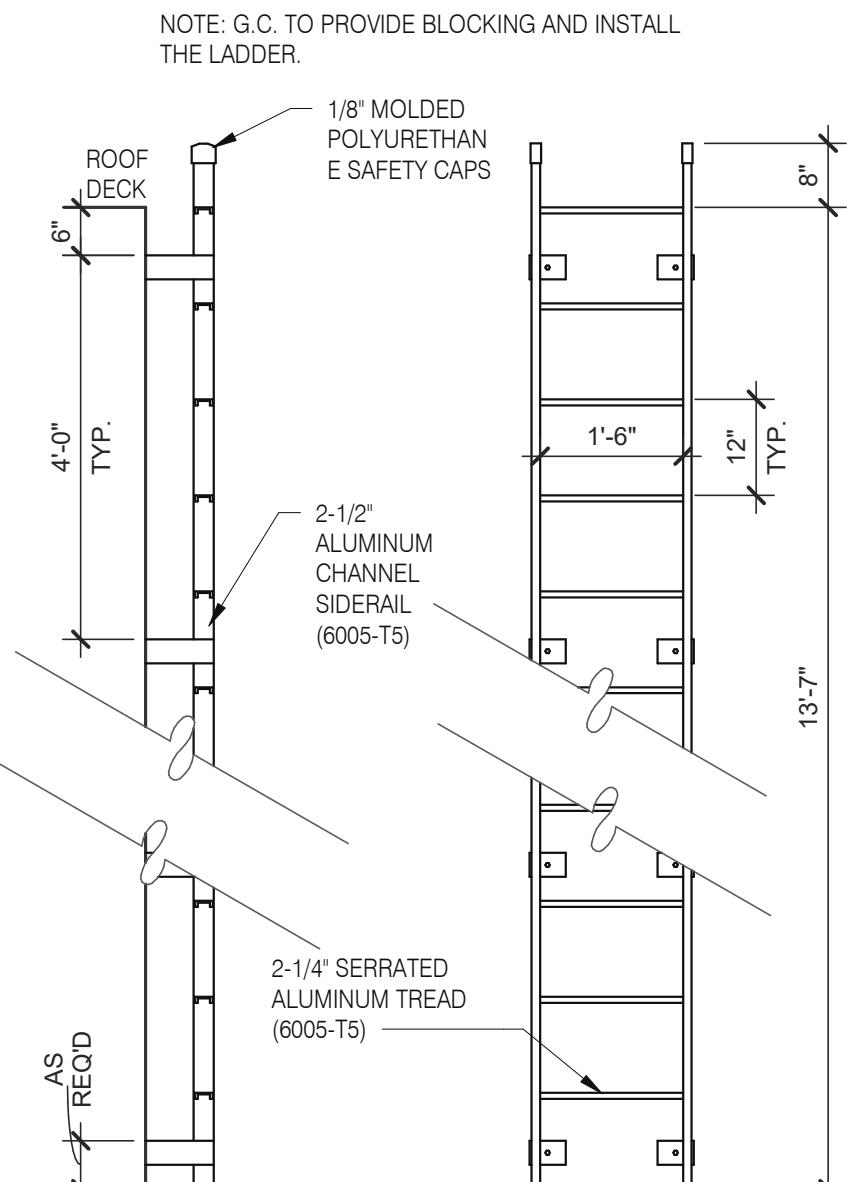
A5.4


W.H. FLU / INTAKEN PIPE SUPPORT 3" = 1'-0" **13**

EXHAUST FAN CURB 3" = 1'-0" **18**

EXHAUST FAN CURB 3" = 1'-0" **19**

WALL FINISH TO BASE FLASHING 3" = 1'-0" **20**

PIPE HOOD N.T.S. **9**

HVAC CURB 3" = 1'-0" **14**

EQUIPMENT PLATFORM SUPPORT 3" = 1'-0" **15**

CRICKET 3" = 1'-0" **16**

COPING JOINT N.T.S. **5**

HATCH MATERIAL:
 GALVANIZED STEEL (PRIME PAINTED)
 COVER - 14 GA. GALV. STEEL
 FRAME COVER - 14 GA. GALV. STEEL
 FRAME CURB - 14 GA. GALV. STEEL
 COVER LINER - 22 GA. GALV. STEEL

HATCH FINISH:
 GALV - PRIME PAINTED

MANUFACTURER:
 PRECISION LADDERS, LLC OR EQUAL

NOTES:
 (1) ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS.
 (2) FOR OPERATING EFFICIENCY, HATCH HARDWARE VARIES BY SIZE.
 EXAMPLE MODEL# PH-A/G OPENING SIZE IN FEET-INCHES (PH-G2630)

ROOF LADDER AND HATCH 3" = 1'-0" **7**

SEALED PIPE FLASHING 3" = 1'-0" **12**

ROOF LADDER N.T.S. **4**

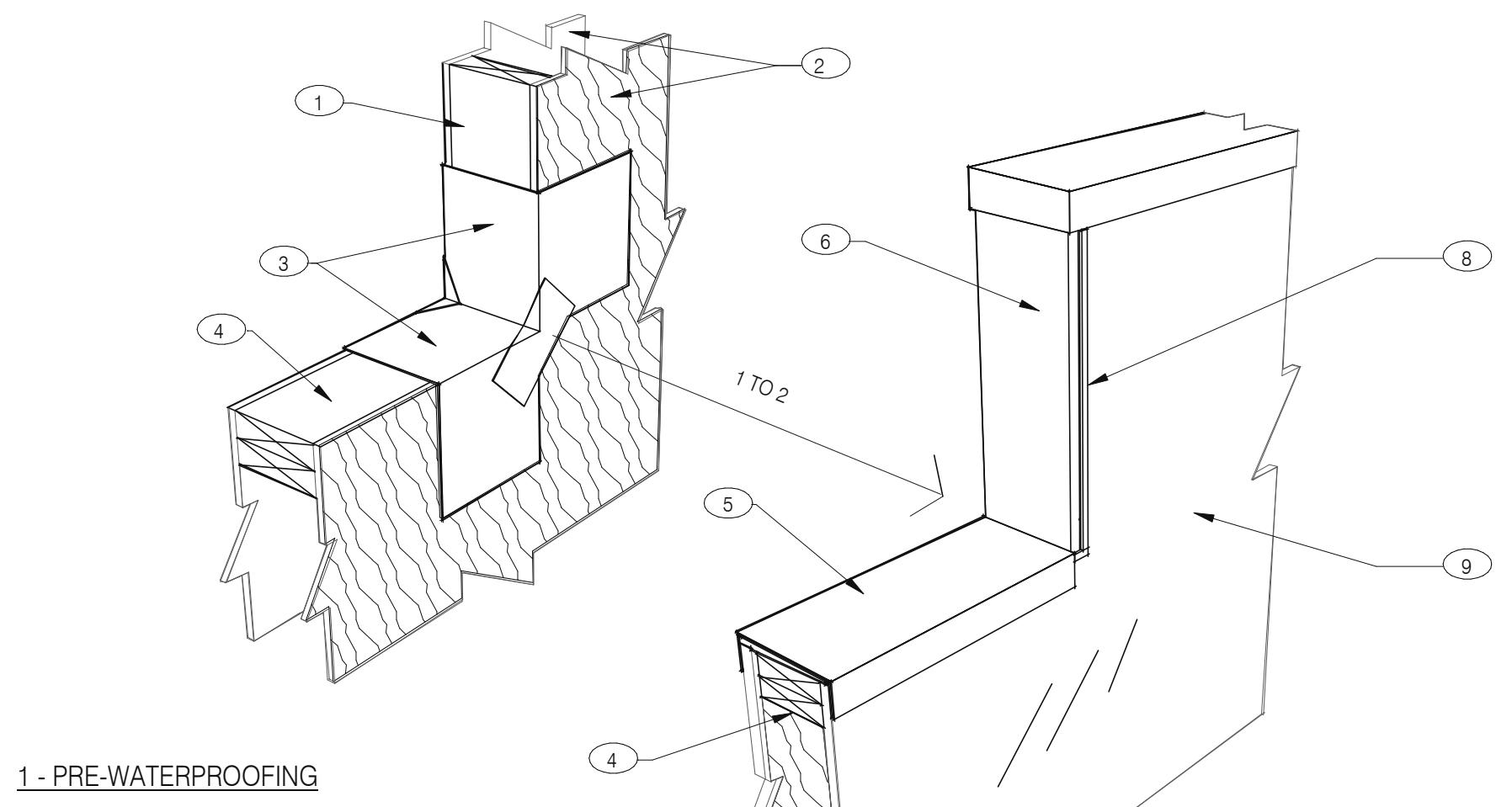
DATE	REMARKS
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BUILDING TYPE: END. MED20
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BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28

 36505 26 MILE RD.
 LENOX TWP, MI 48048

ENDEAVOR 2.0
CONSTRUCTION
DETAILS ROOF
A6.0

PLOT DATE: 1/18/2022 3:43:18 PM

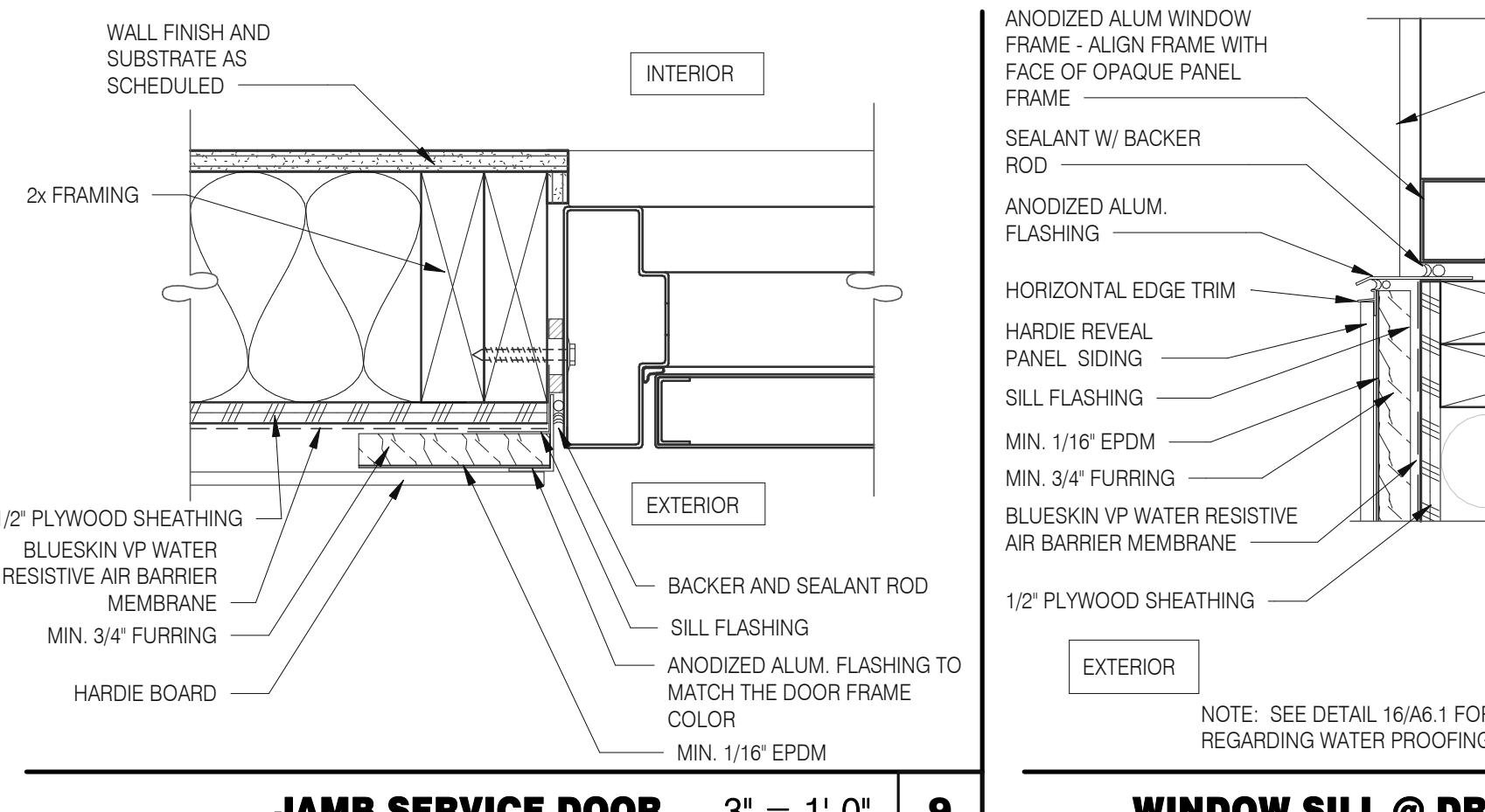


NOTES

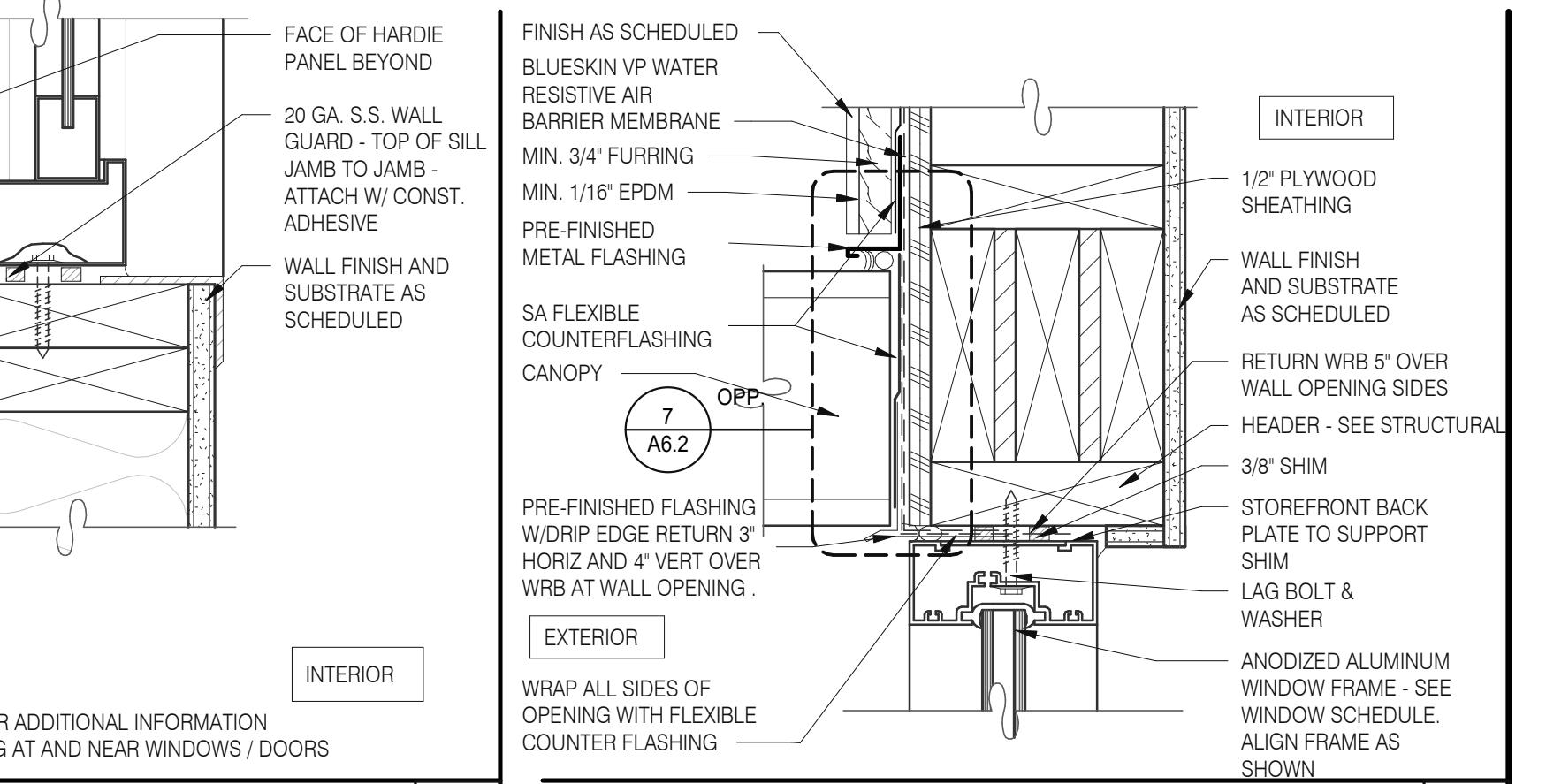
- 1 2X WOOD STUDS
- 2 PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
- 3 FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS.
- 4 DOUBLE 2X TOP PLATE.
- 5 PAINTED 24 GAUGE PARAPET COPING. SLOPE 1/4:1 TOWARDS ROOF WITH FIBER CANT STRIPS UNDER COPING. LAP FRONT AND BACK EDGE 2' DOWN VERTICAL FACE. LAP EXPOSED COPING EDGE EXPOSED ENDS AT VERTICAL PARAPET TRANSITION.
- 6 WRAP EXTERIOR FINISH MATERIAL ONTO VERTICAL FACE OF PARAPET TRANSITION, SEE EXTERIOR ELEVATIONS.
- 7 EXTERIOR FINISH MATERIAL AS NOTED ON EXTERIOR ELEVATIONS ON SHEET A4.0
- 8 TERMINATION BAR AT VERTICAL TRANSITION OF EXTERIOR FINISH MATERIAL AND MEMBRANE ROOFING. SEAL VERTICAL GAP BETWEEN TERMINATION BAR AND EXTERIOR FINISH PER ROOFING MANUFACTURER SPECIFICATIONS.
- 9 PVC ROOFING MEMBRANE ON BACKSIDE OF PARAPET.

IMPORTANT: ONLY FASTEN PARAPET COPING ALONG THE FRONT AND BACK VERTICAL EDGE. NEVER ON TOP OF COPING.

PARAPET CAP & TRANSITION 1" = 1'-0" **13**

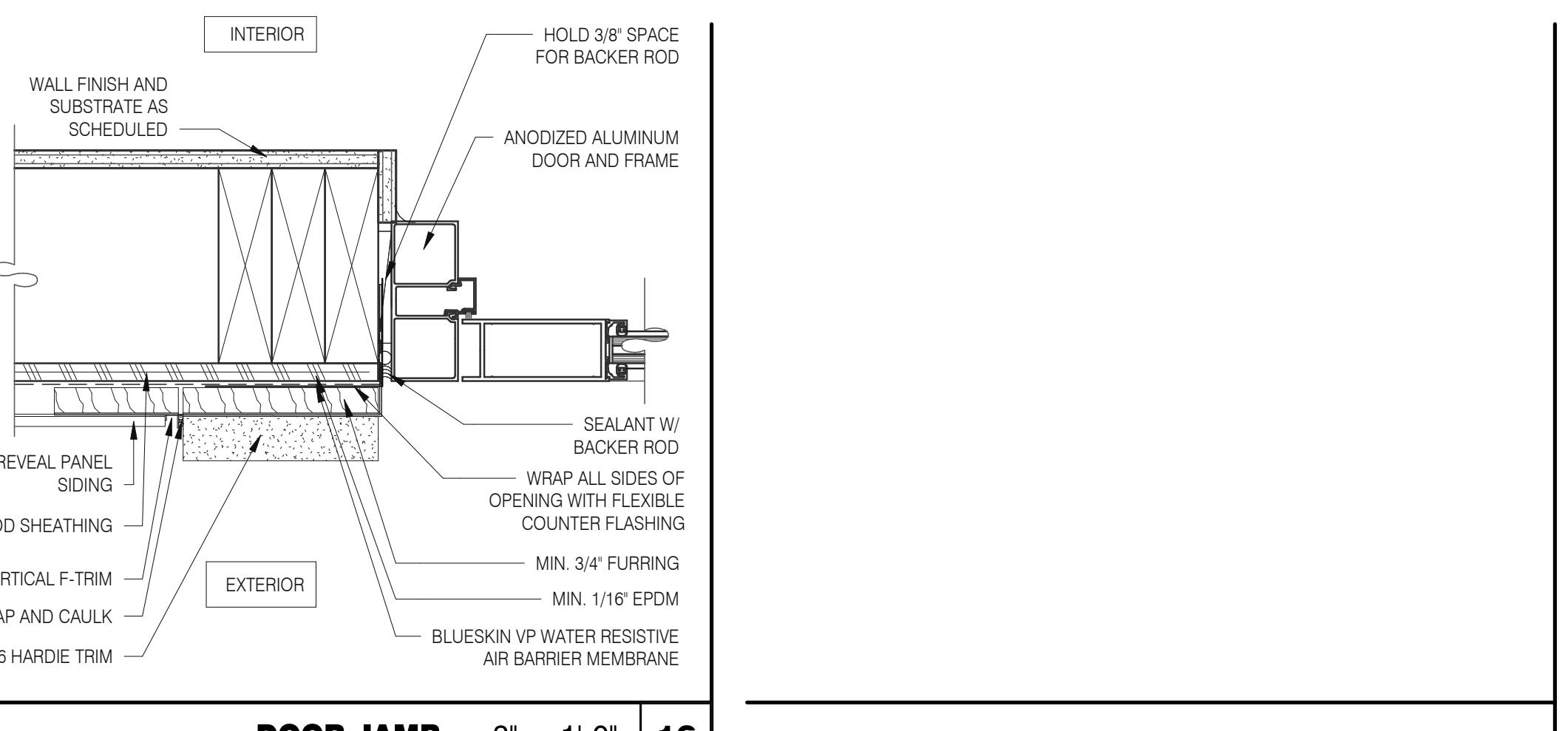


JAMB SERVICE DOOR 3" = 1'-0" **9**

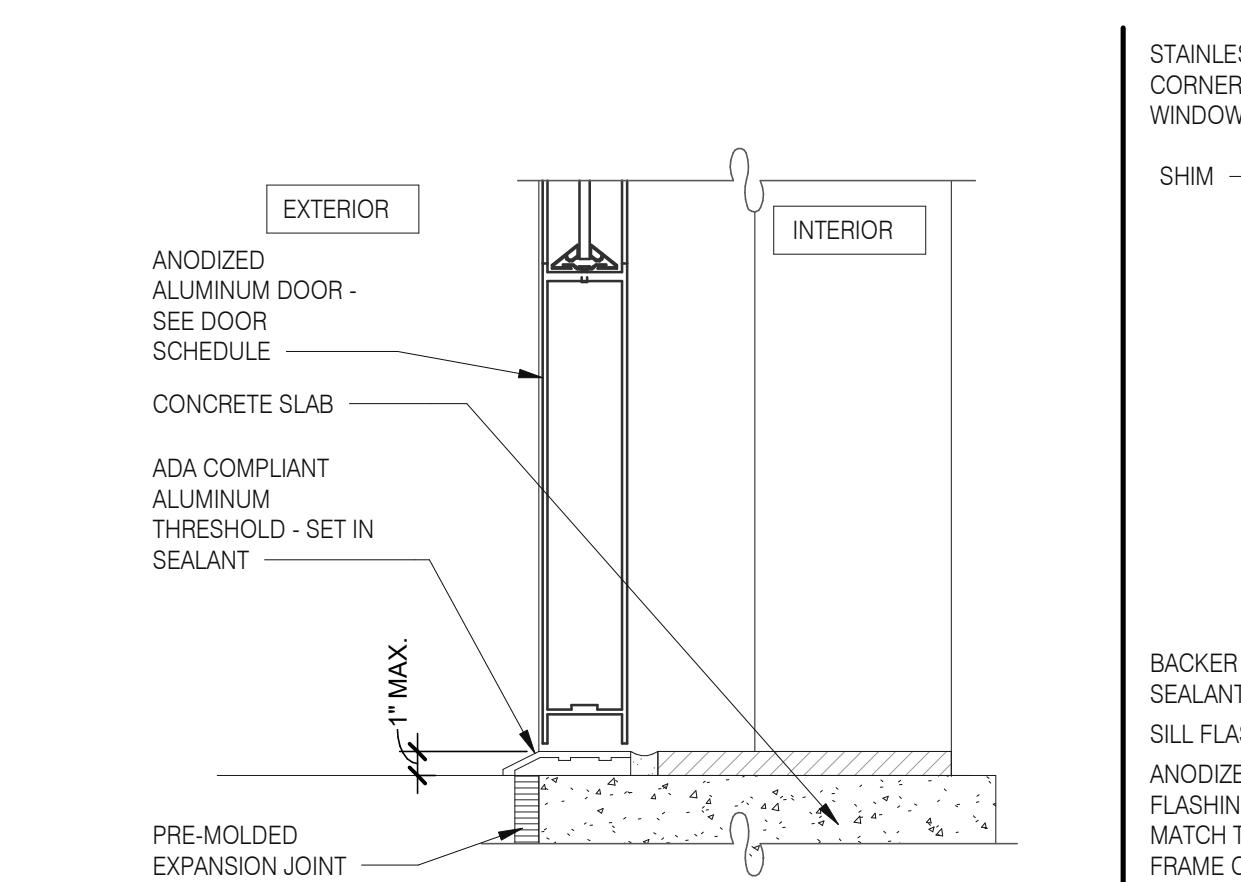


WINDOW SILL @ DRIVE THRU 3" = 1'-0" **5**

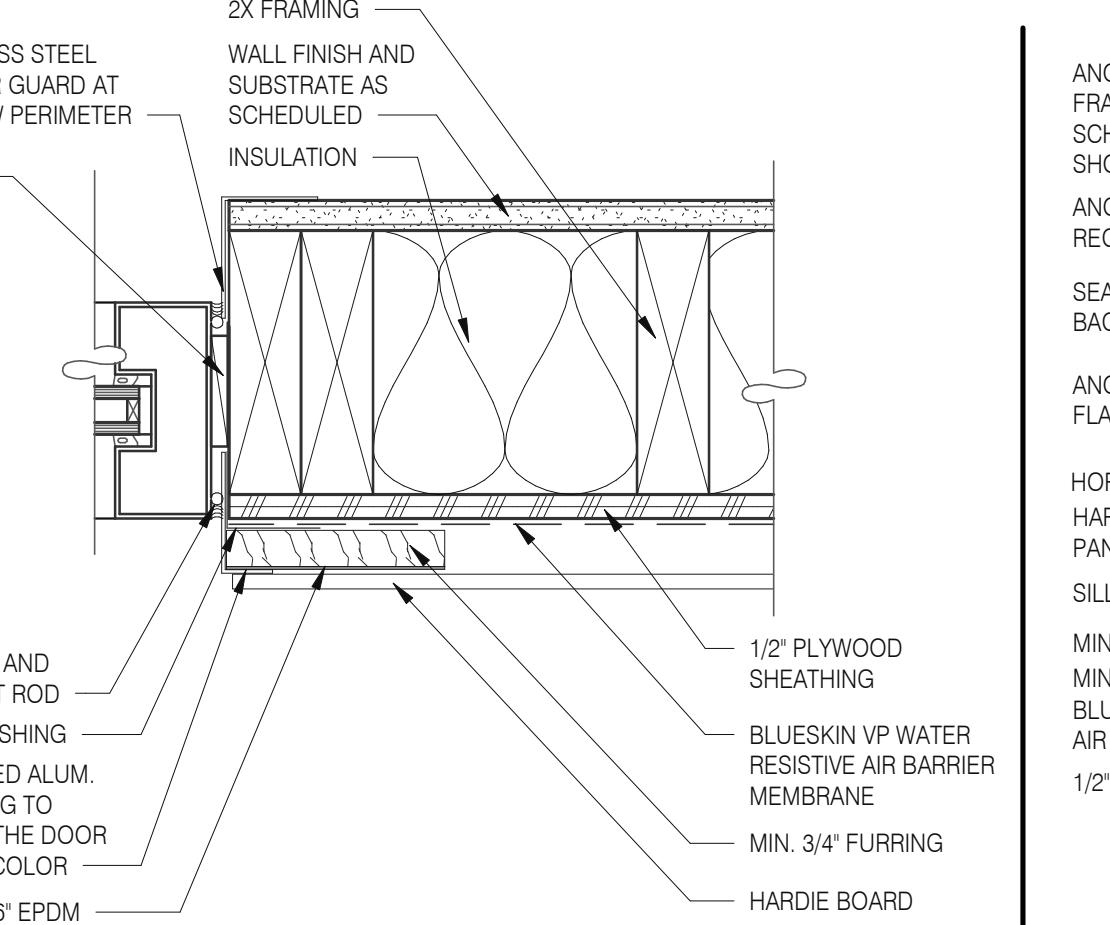
TYPICAL WINDOW HEAD W/ CANOPY 3" = 1'-0" **1**



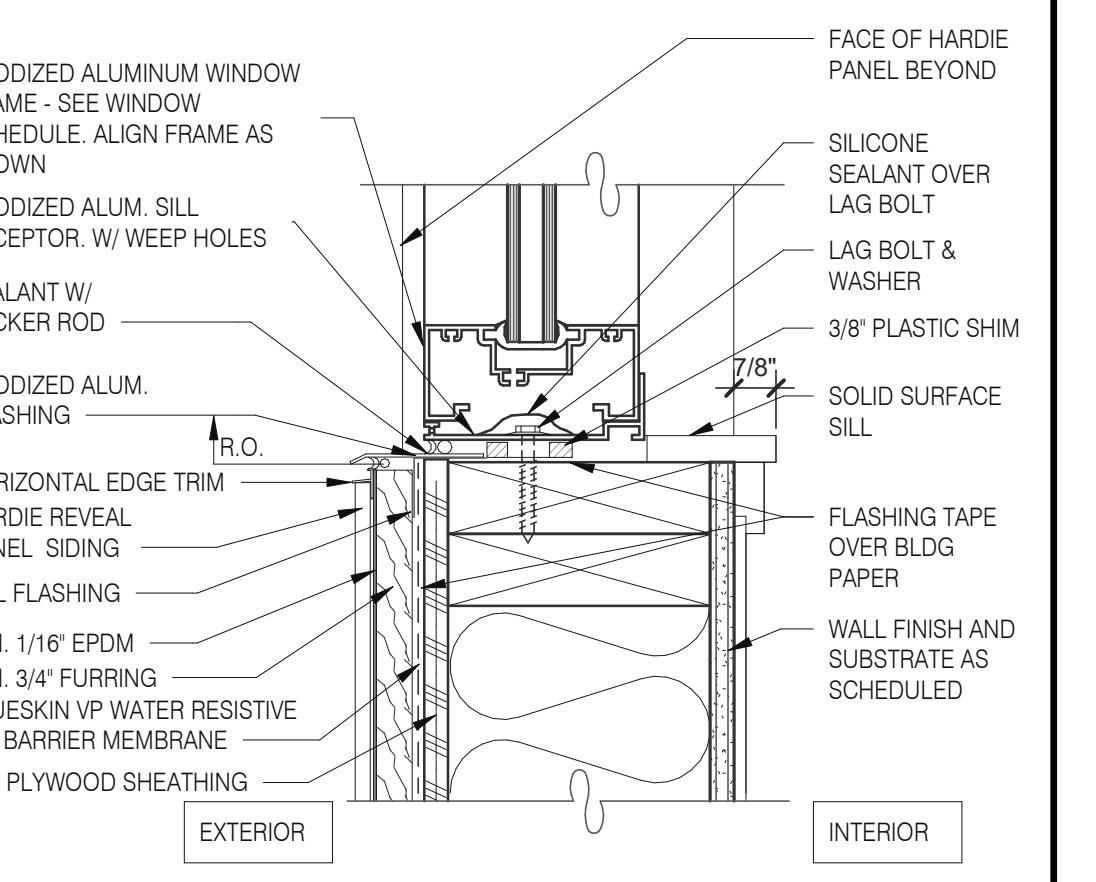
DOOR JAMB 3" = 1'-0" **16**



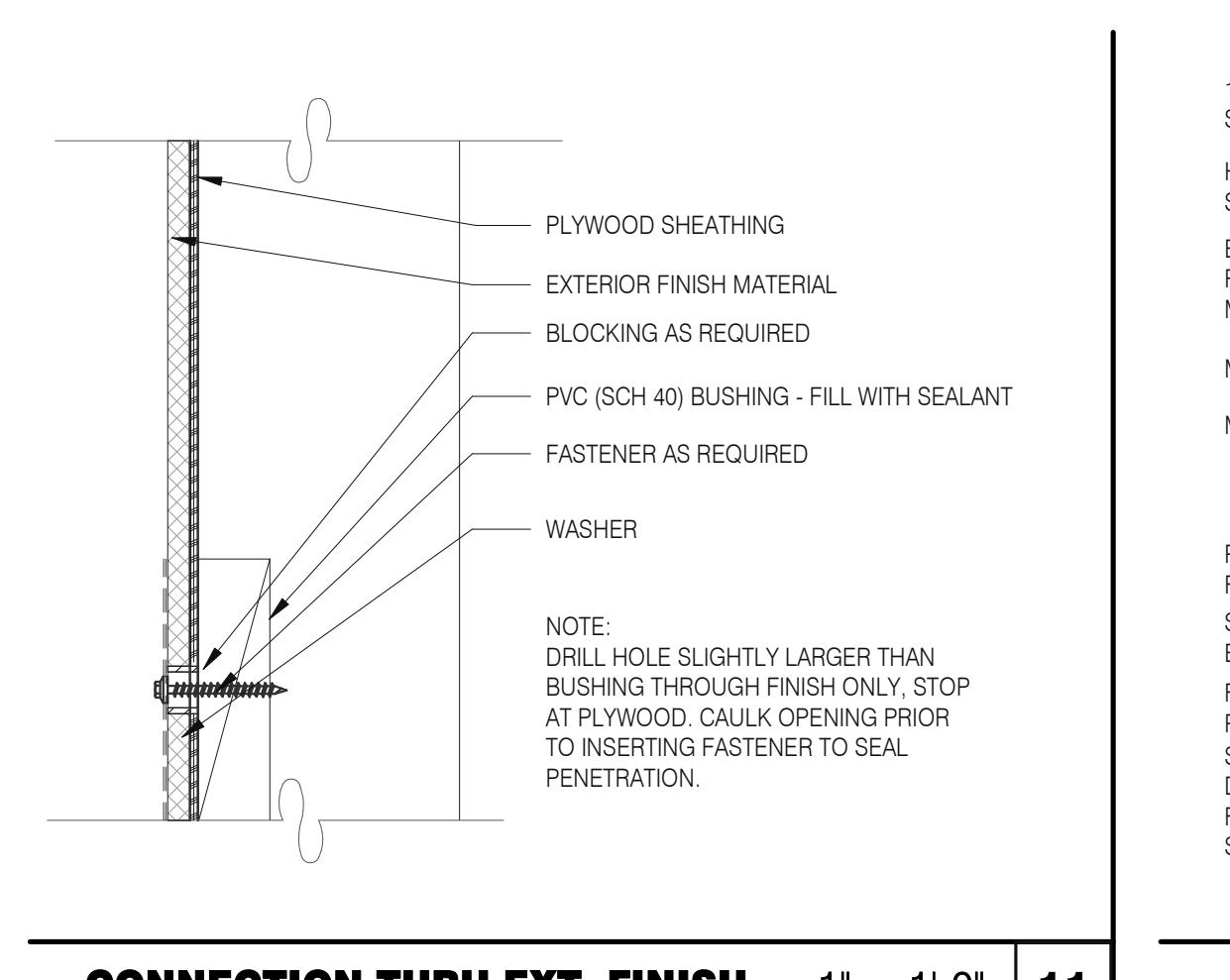
STOREFRONT DOOR SILL 3" = 1'-0" **10**



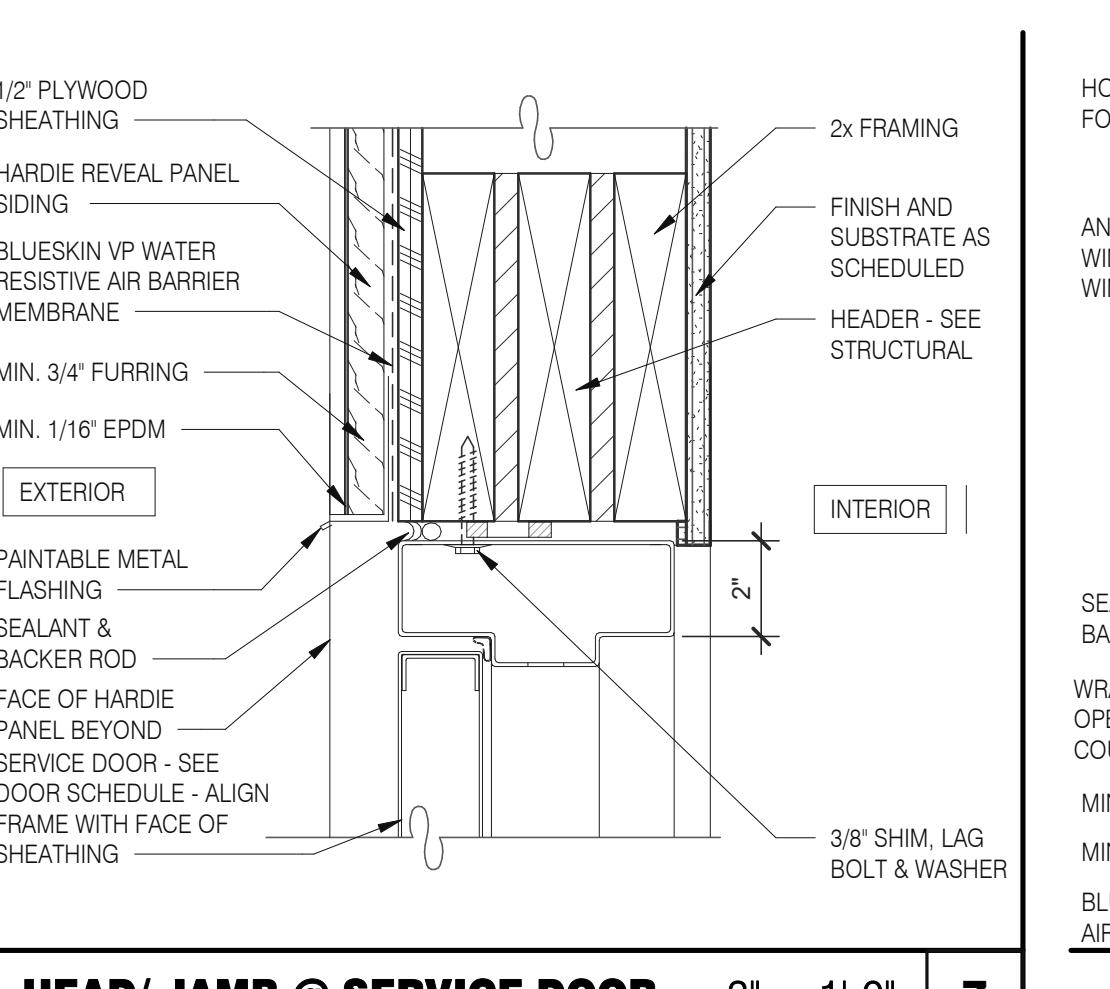
WINDOW JAMB @ DRIVE THRU 3" = 1'-0" **6**



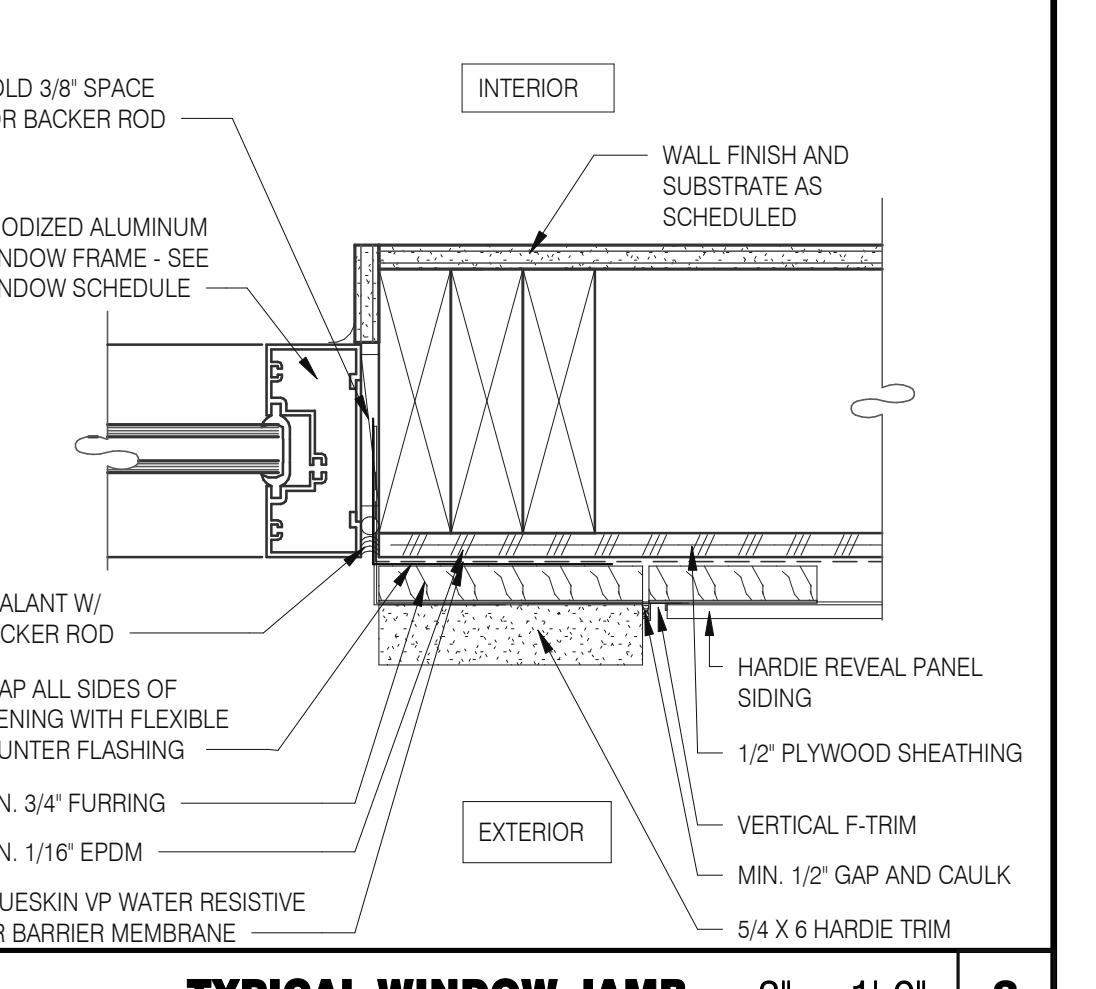
TYPICAL WINDOW SILL 3" = 1'-0" **2**



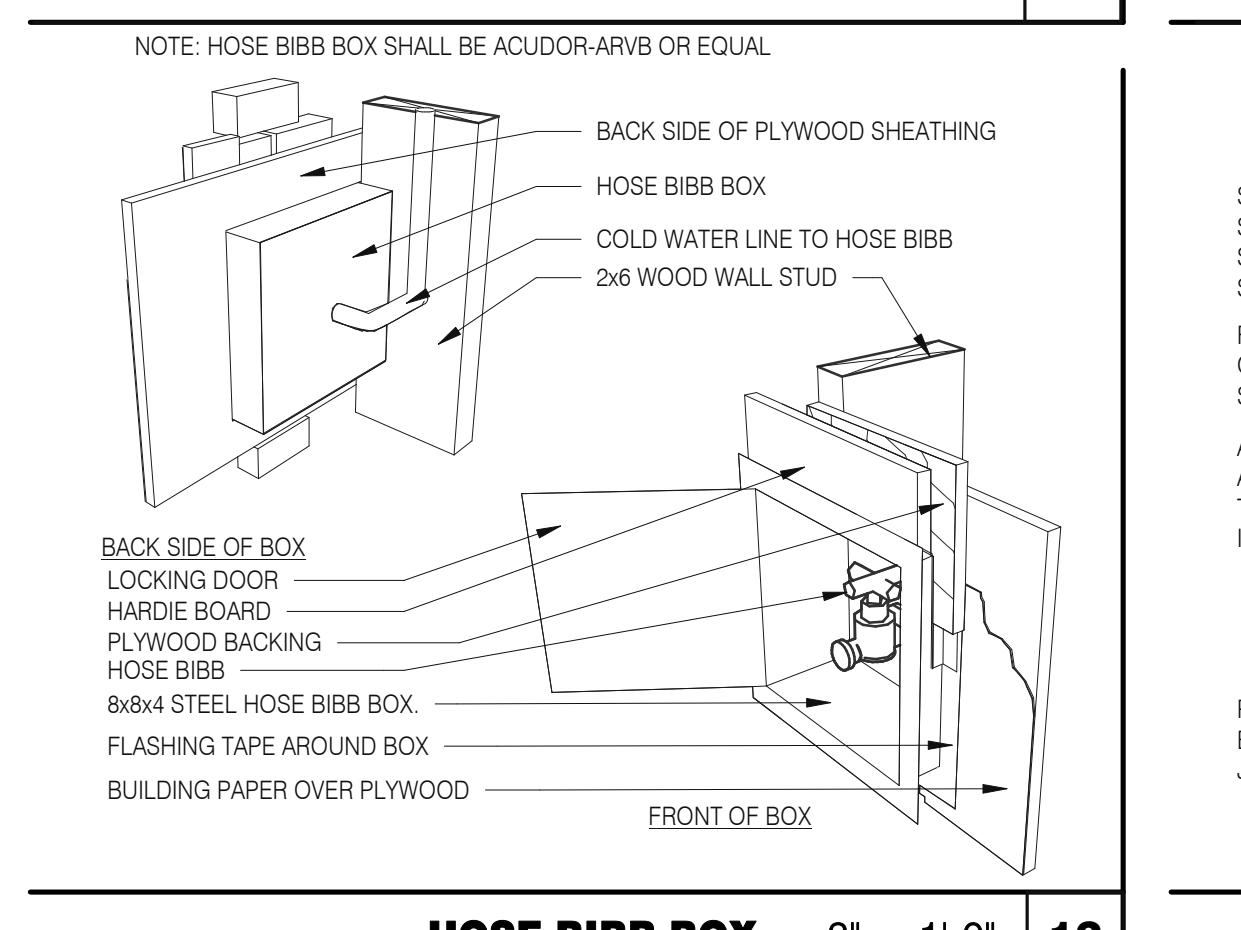
CONNECTION THRU EXT. FINISH 1" = 1'-0" **11**



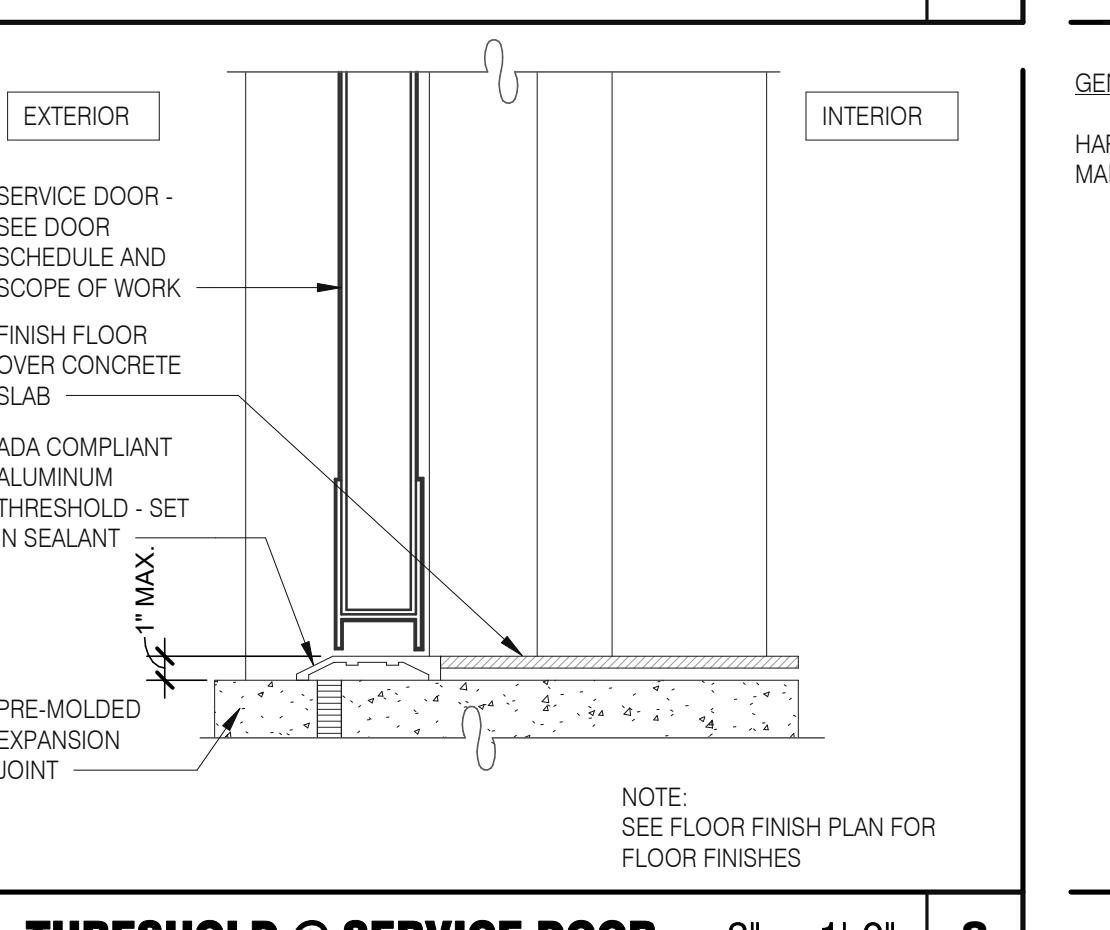
HEAD/ JAMB @ SERVICE DOOR 3" = 1'-0" **7**



TYPICAL WINDOW JAMB 3" = 1'-0" **3**



HOSE BIBB BOX 3" = 1'-0" **12**



THRESHOLD @ SERVICE DOOR 3" = 1'-0" **8**

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PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 201908828

TACO BELL

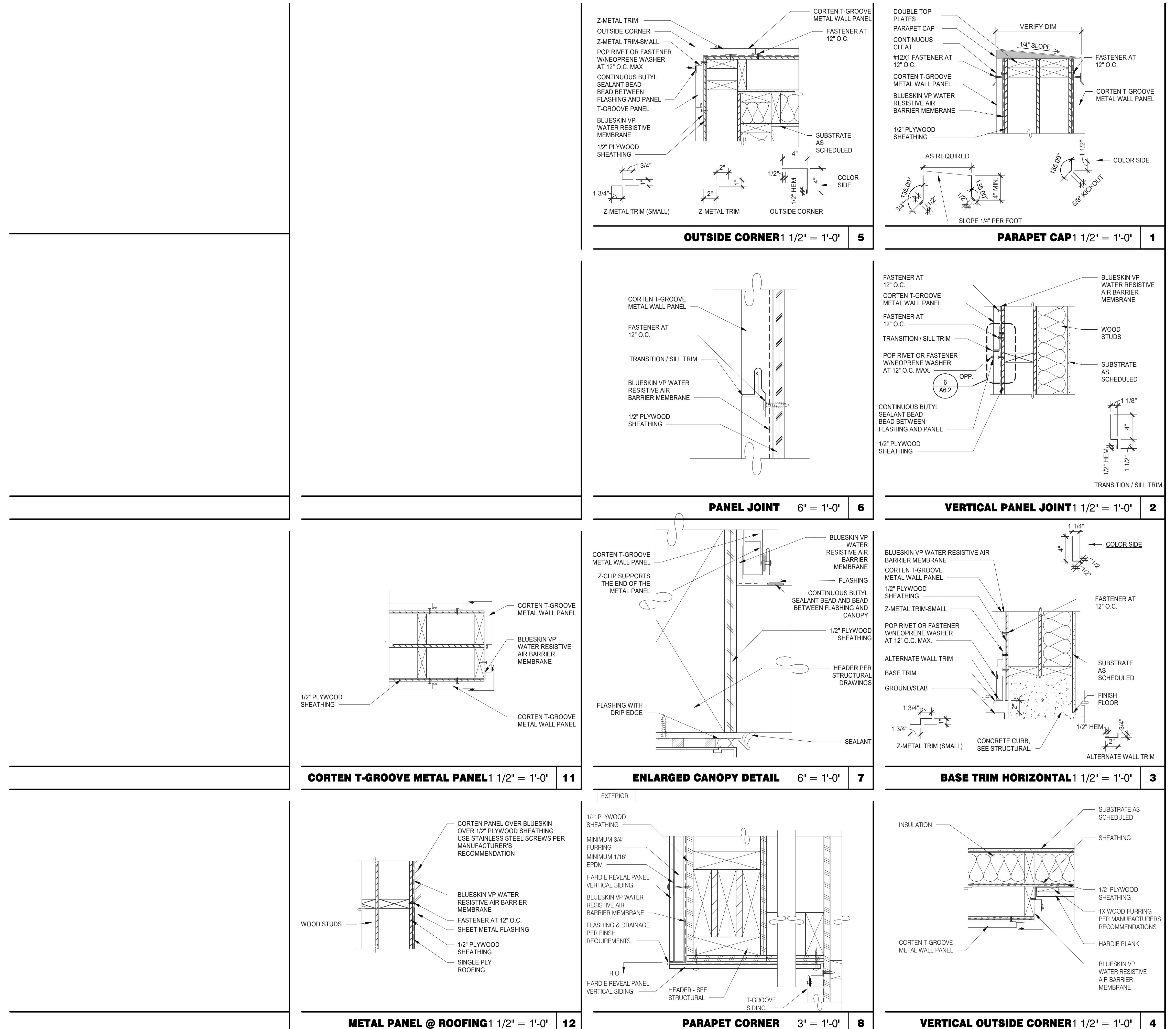
36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
CONSTRUCTION
DETAILS
DOOR/WINDOW

A6.1

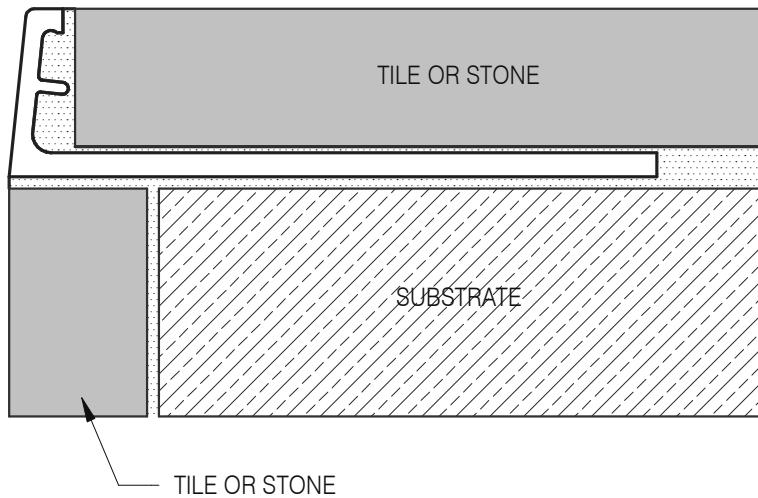
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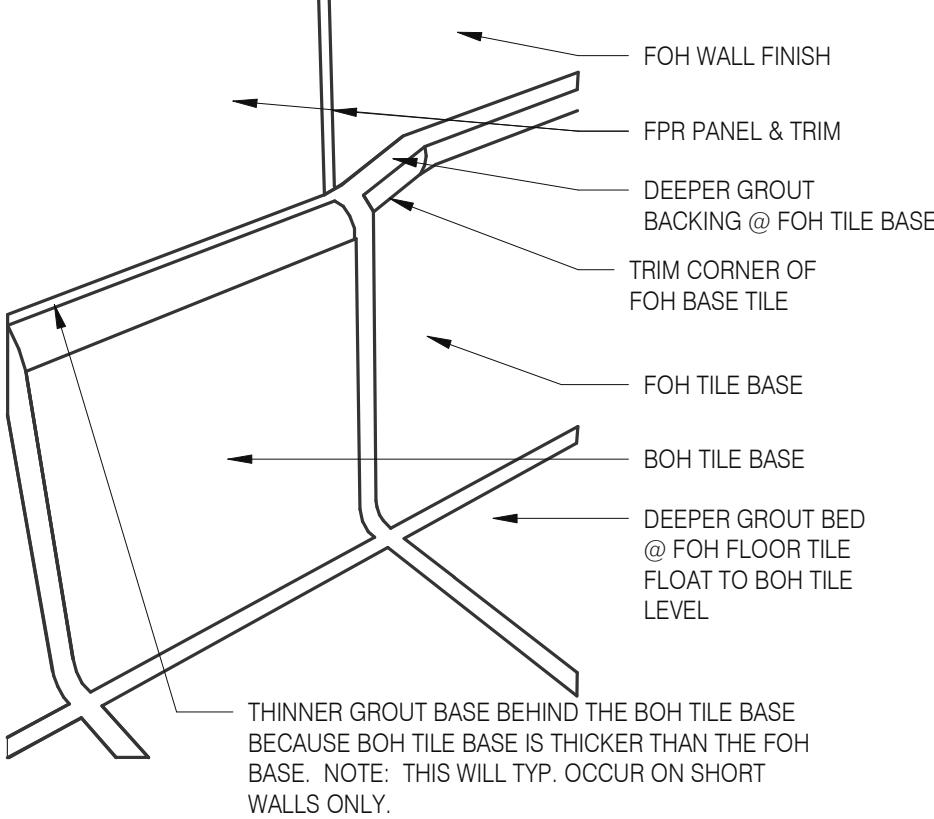
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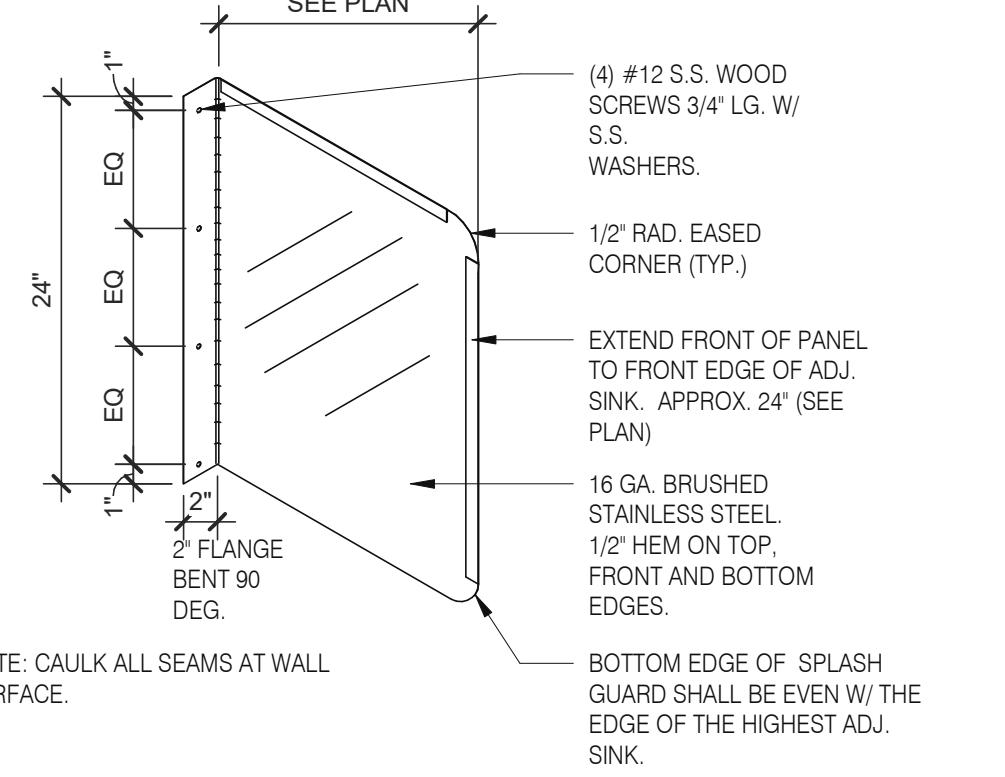




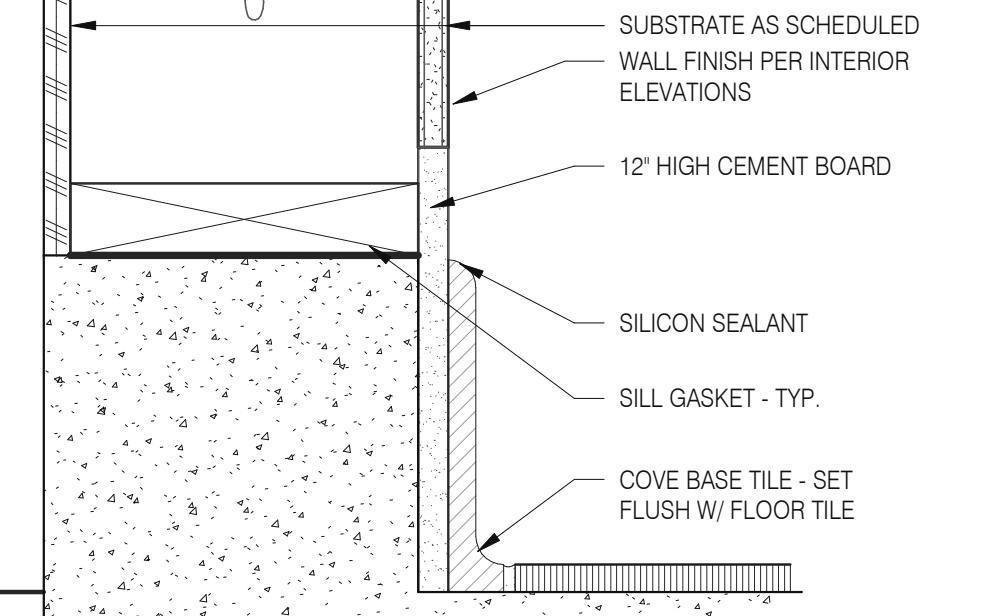
SCHLUTER JOLLY CORNER GUARD 1 1/2" = 1'-0" **17**



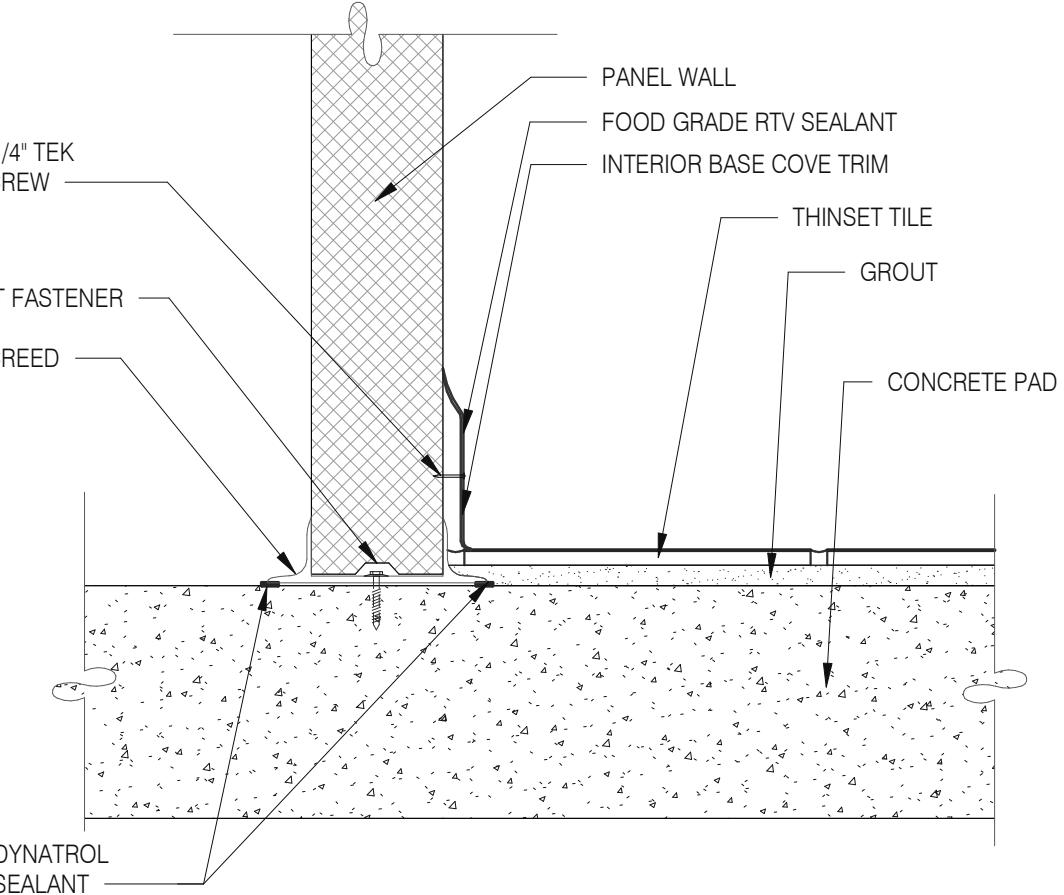
TILE BASE TRANSITION 12" = 1'-0" **13**



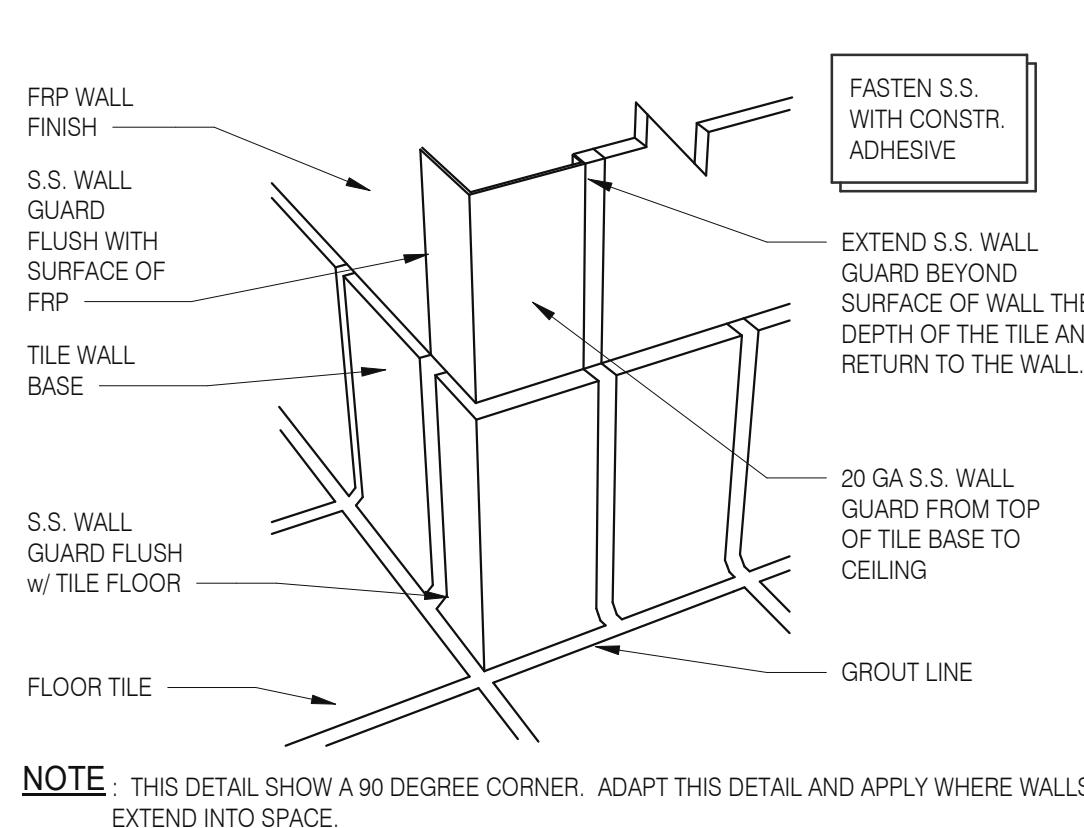
SPLASH GUARD 1" = 1'-0" **9**



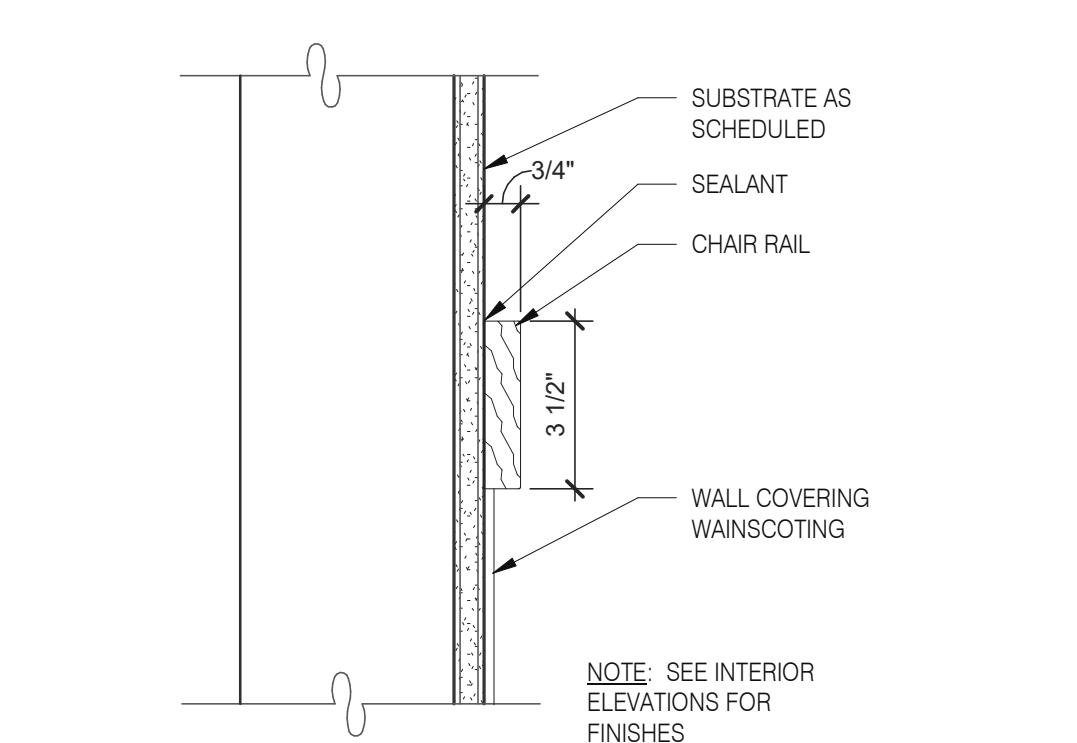
BASE @ DINING EXT. SIDE WALLS 3" = 1'-0" **5**



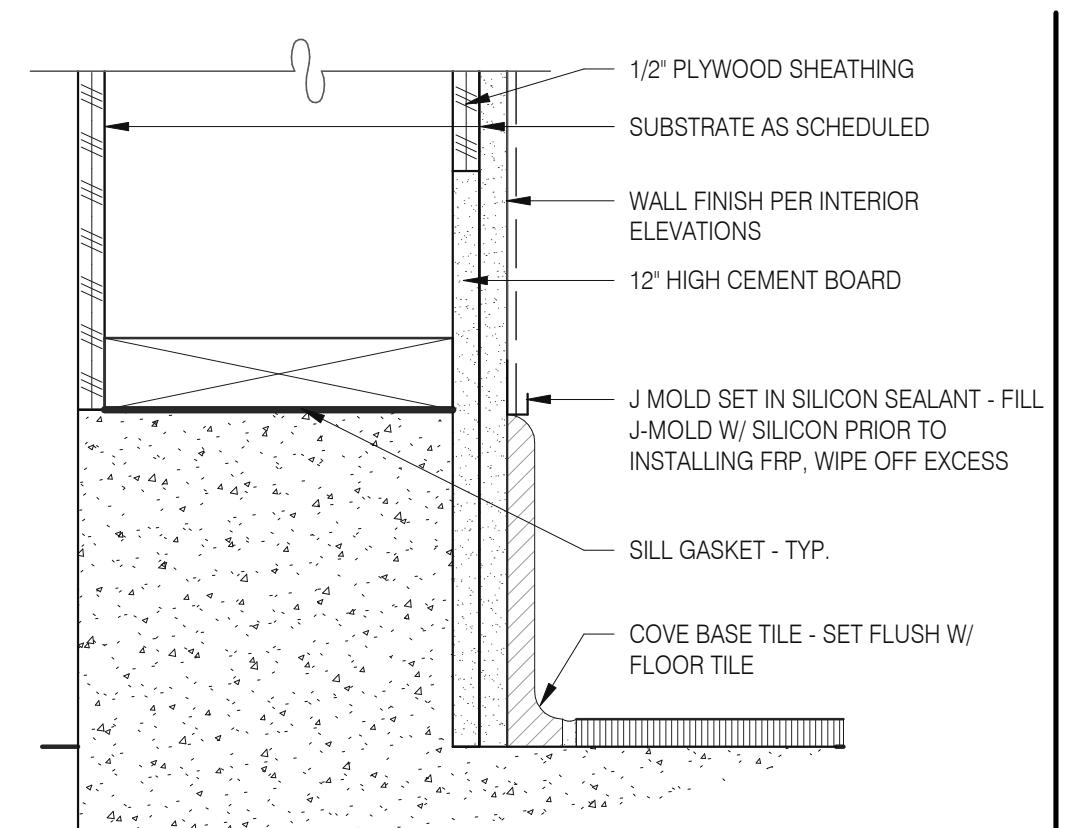
WALK-IN TILE/BASE 1 1/2" = 1'-0" **1**



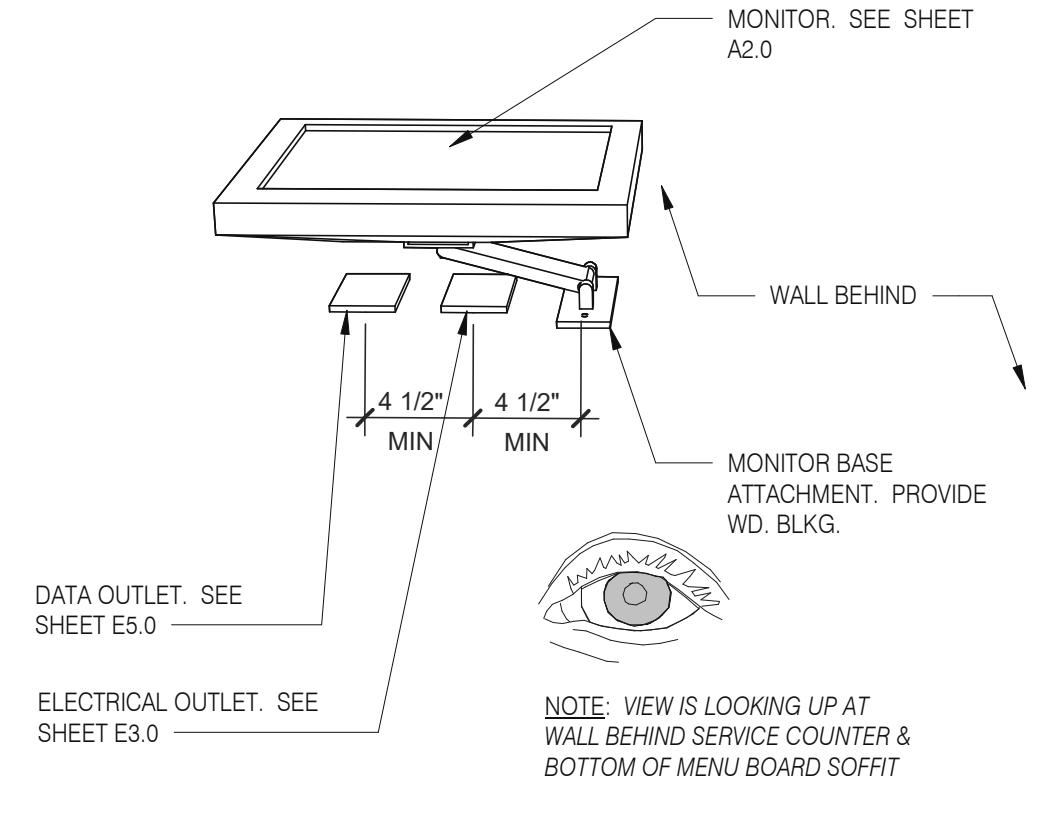
NOT USED **18**



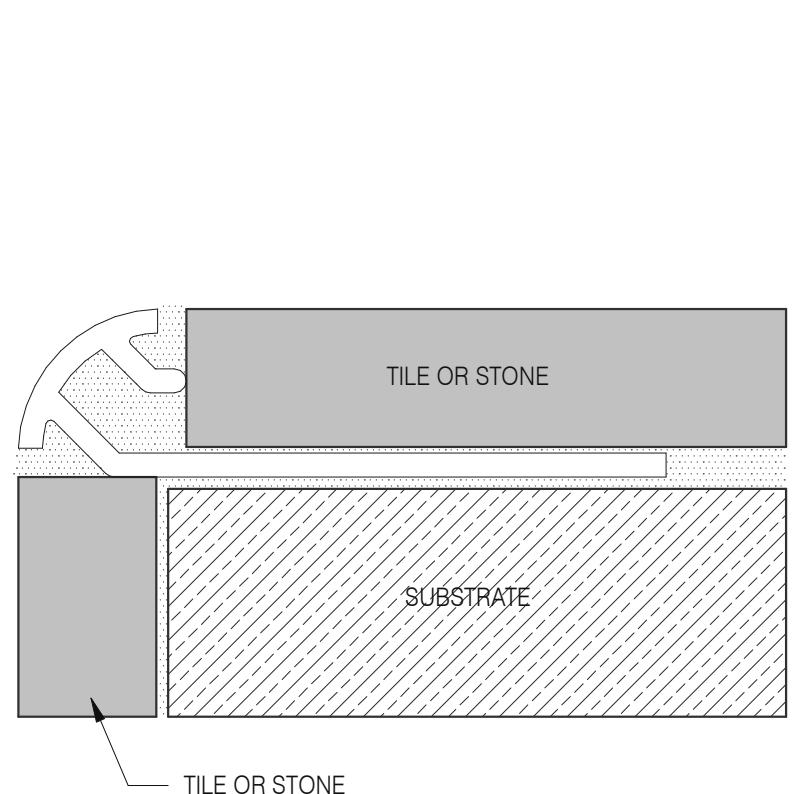
CHAIR RAIL DETAIL 3" = 1'-0" **10**



BASE @ EXT. WALL 3" = 1'-0" **6**

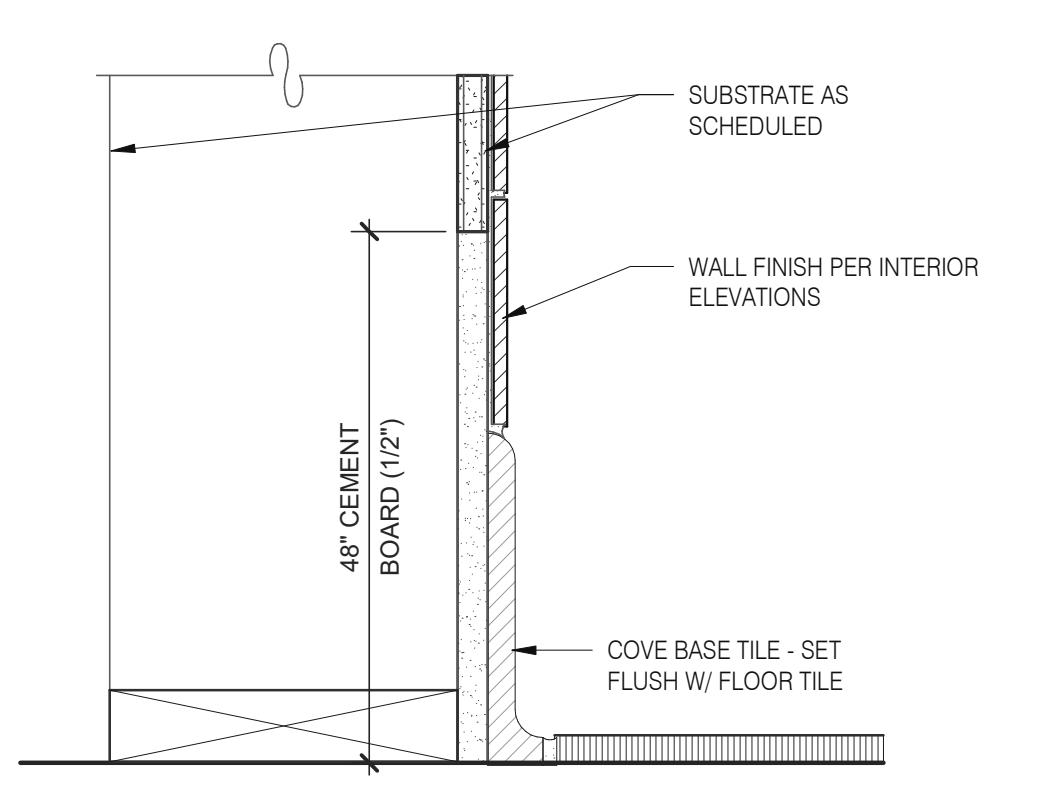


WALL MOUNT MONITOR 1 1/2" = 1'-0" **2**

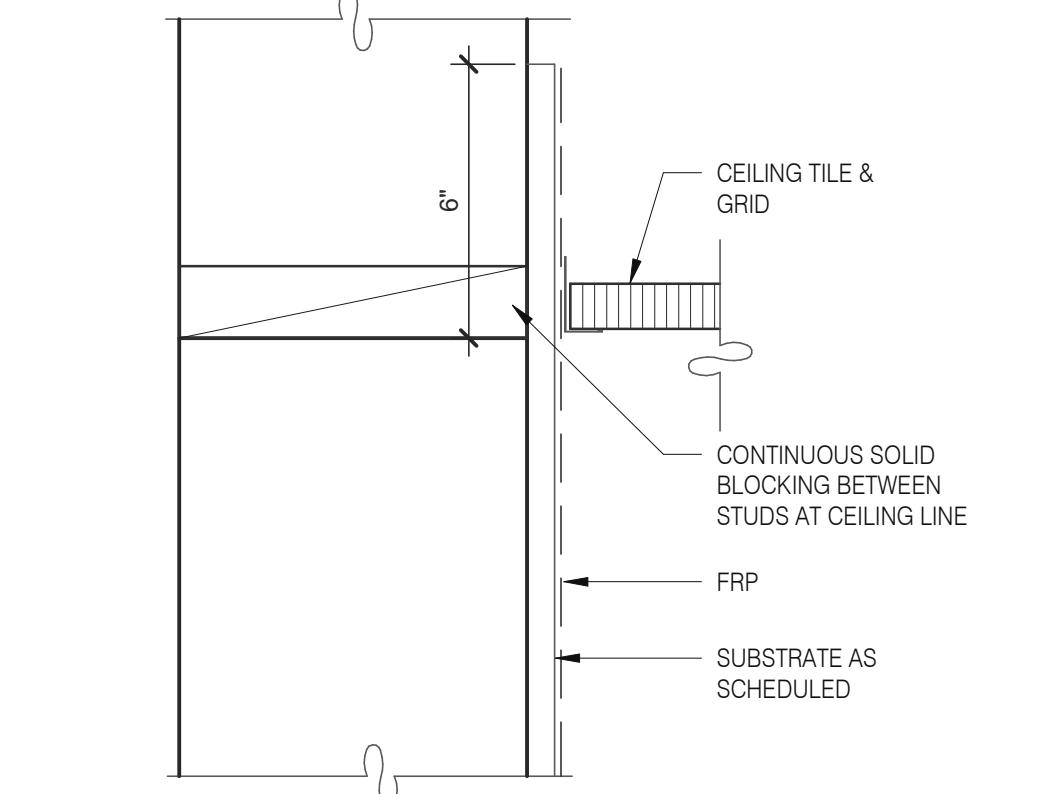


NOT USED **19**

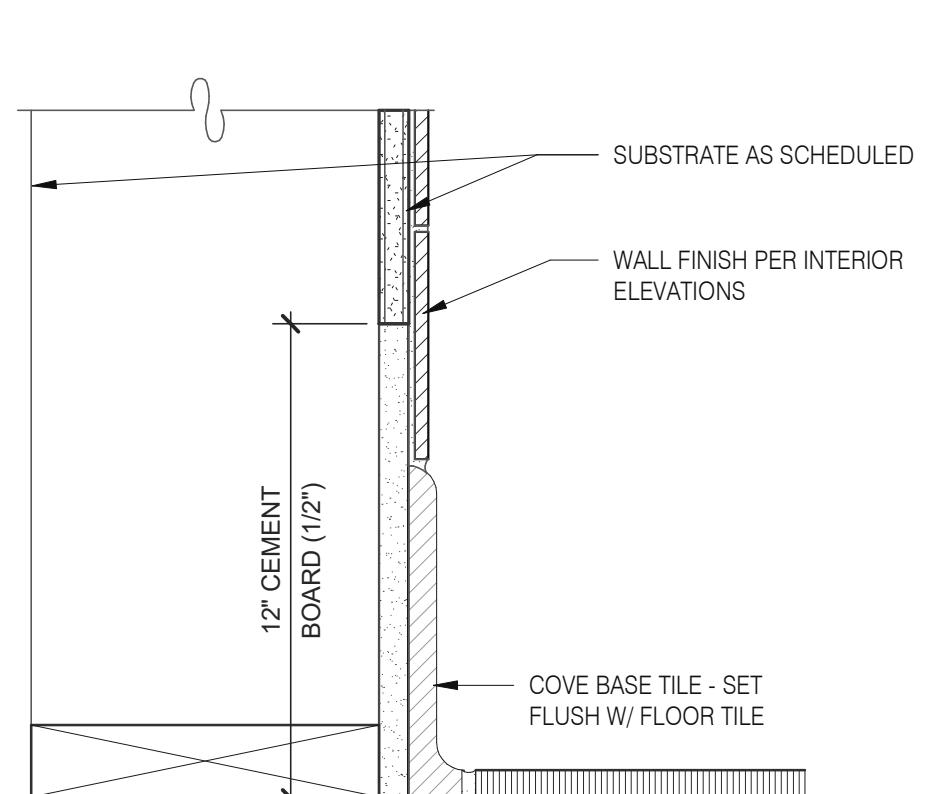
SCHLUTER CORNER GUARD 1 1/2" = 1'-0" **15**



BASE IN RESTROOM 3" = 1'-0" **7**

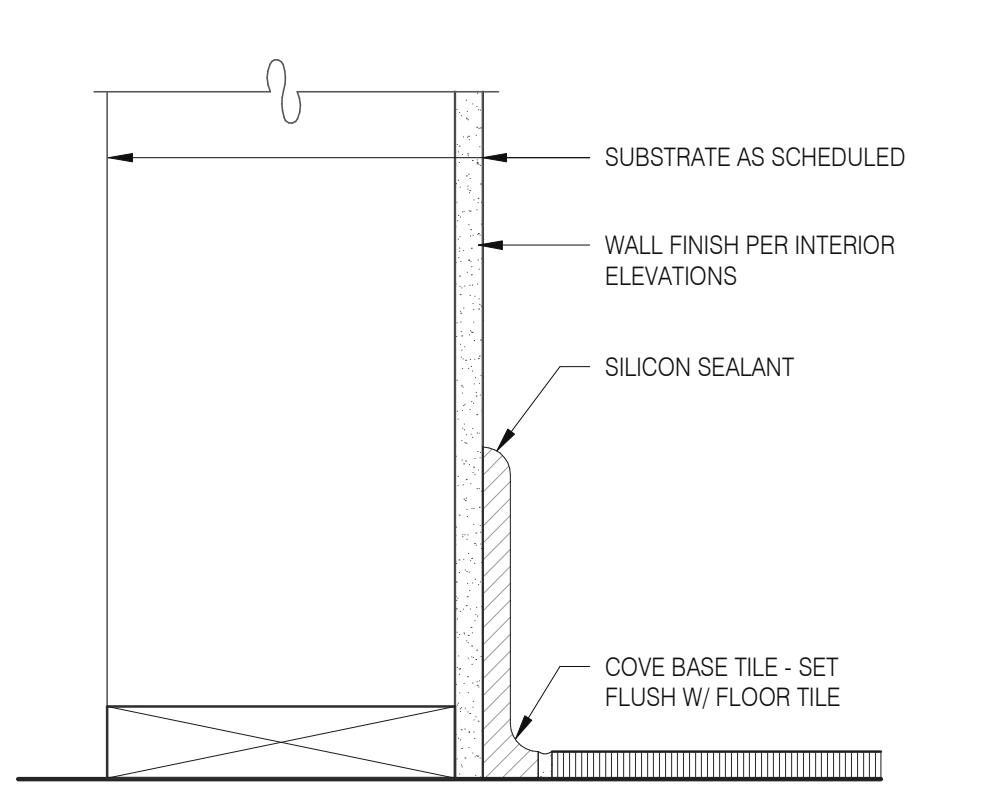


KITCHEN FINISH @ CEILING 3" = 1'-0" **3**

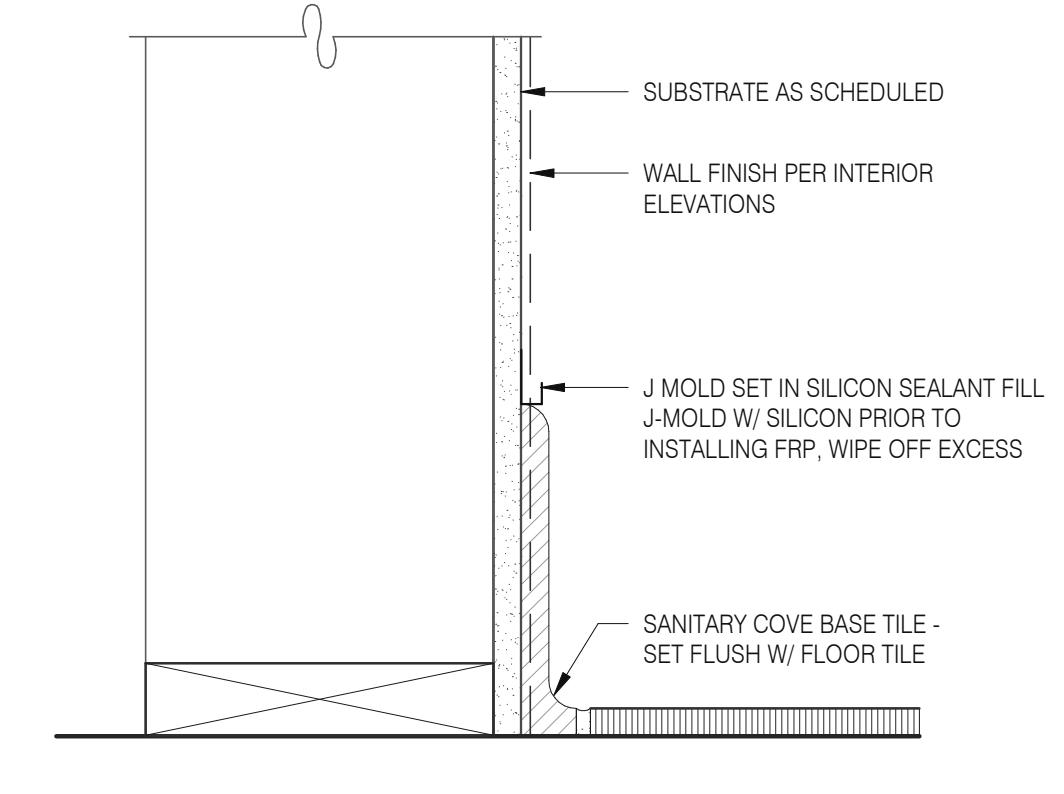


NOT USED **20**

BASE @ KITCHEN WALL 3" = 1'-0" **16**



BASE @ DINING ROOM INT. WALL 3" = 1'-0" **8**



BASE @ DINING ROOM INT. WALL 3" = 1'-0" **4**

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SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28

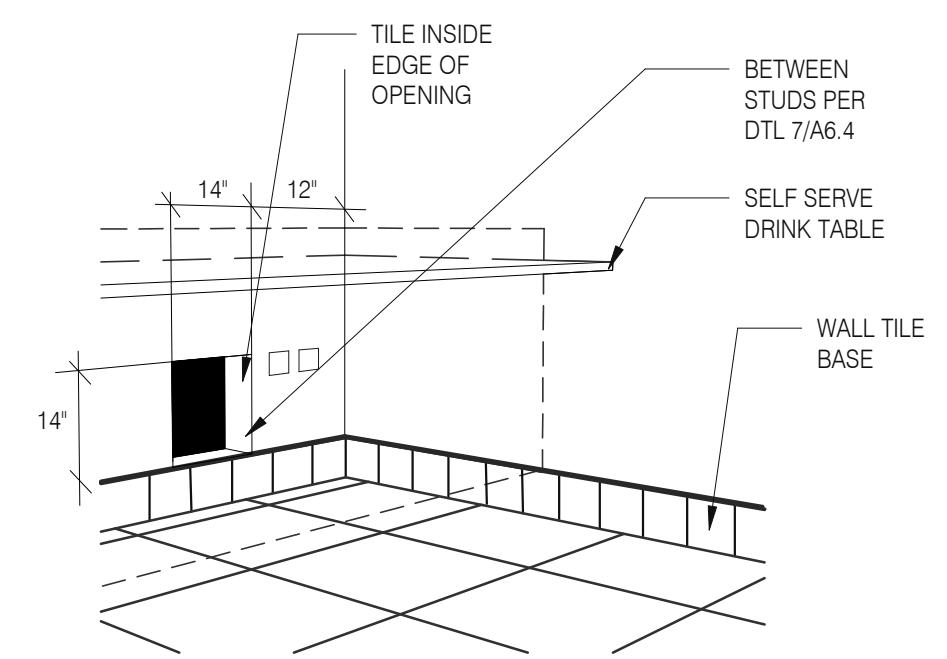
TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
FINISH DETAILS

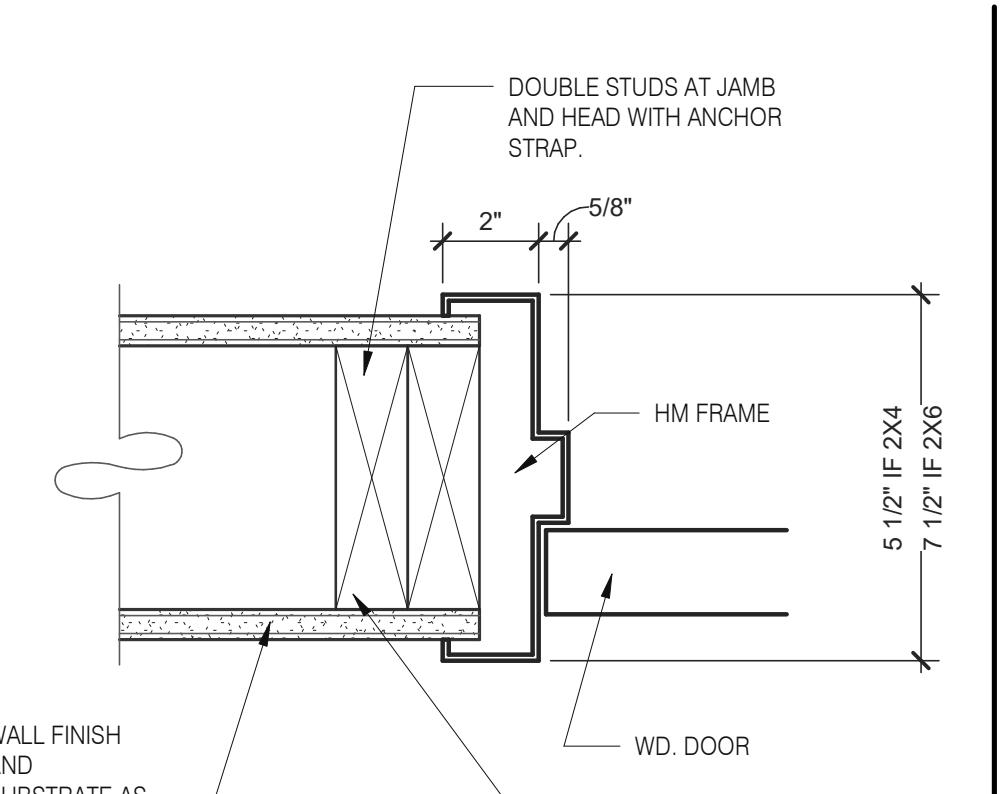
A6.3

PLOT DATE: 1/18/2022 3:43:29 PM



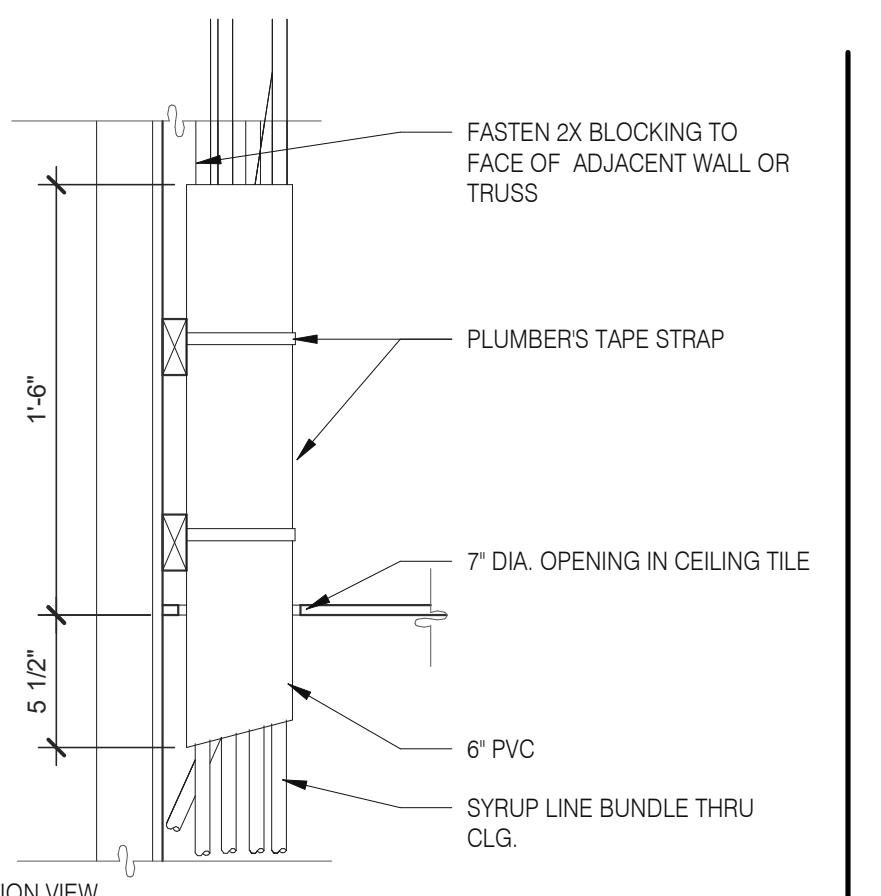
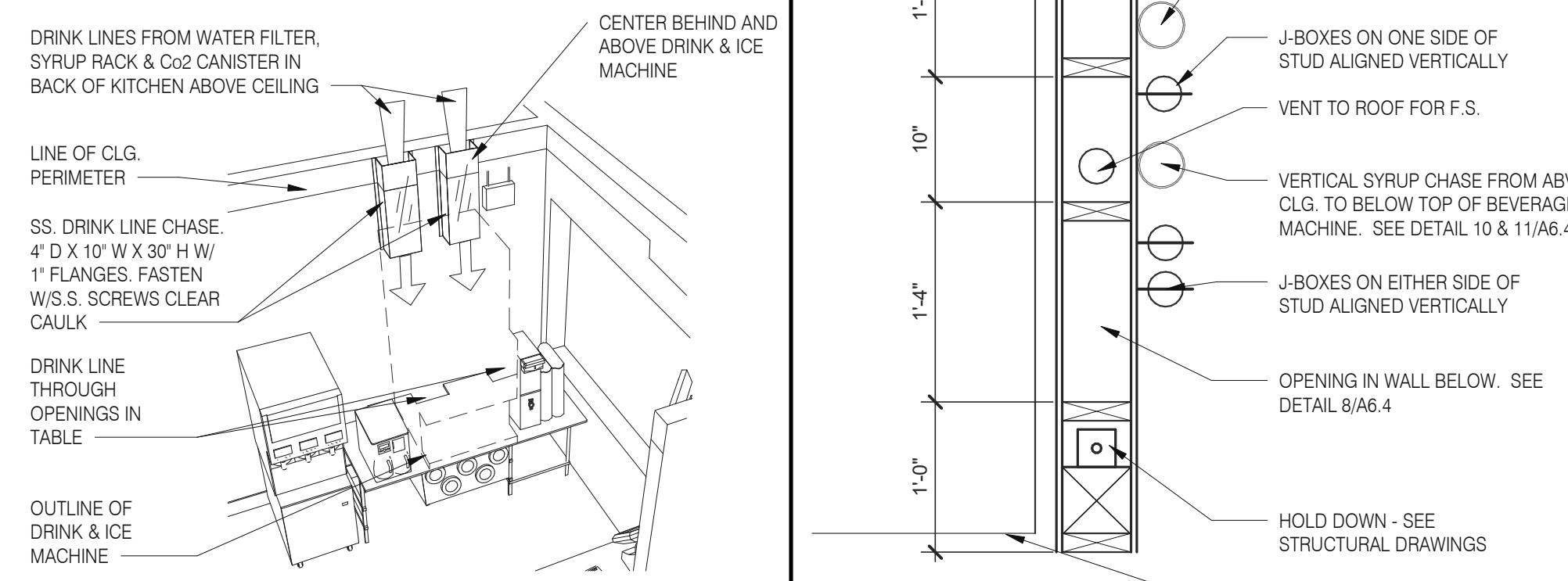
WALL PASS THRU

N.T.S.

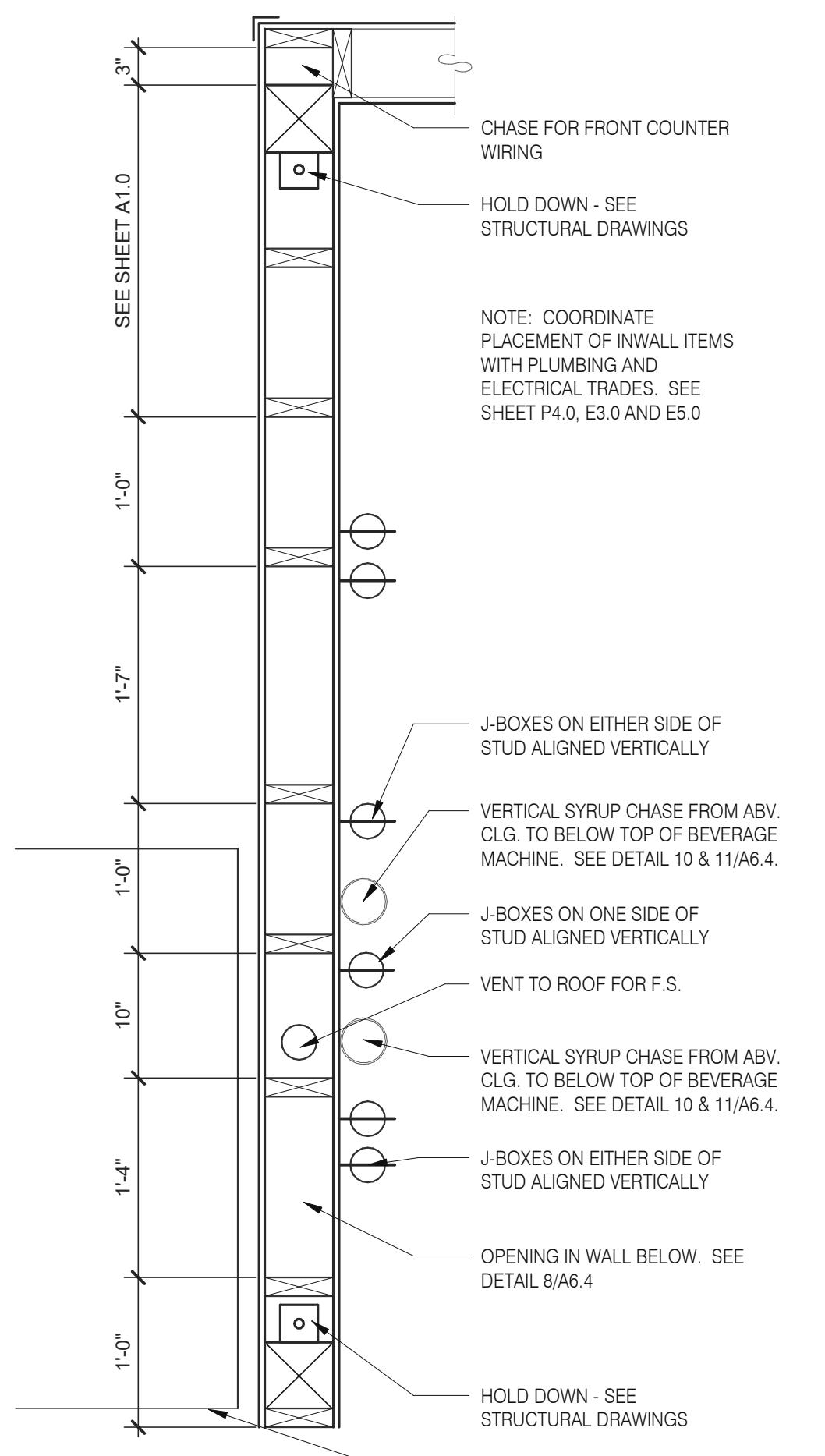
8

HEAD/JAMB @ H.M. DOOR

N.T.S.

6SYRUP BUNDLE CLG. 1 1/2" = 1'-0" **10**SYRUP CHASE ON WALL 1 1/2" = 1'-0" **11**

N.T.S.

11

INTERIOR CHASE WALL

N.T.S.

7

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: RS
 JOB NO.: 2019088.28

TACO BELL

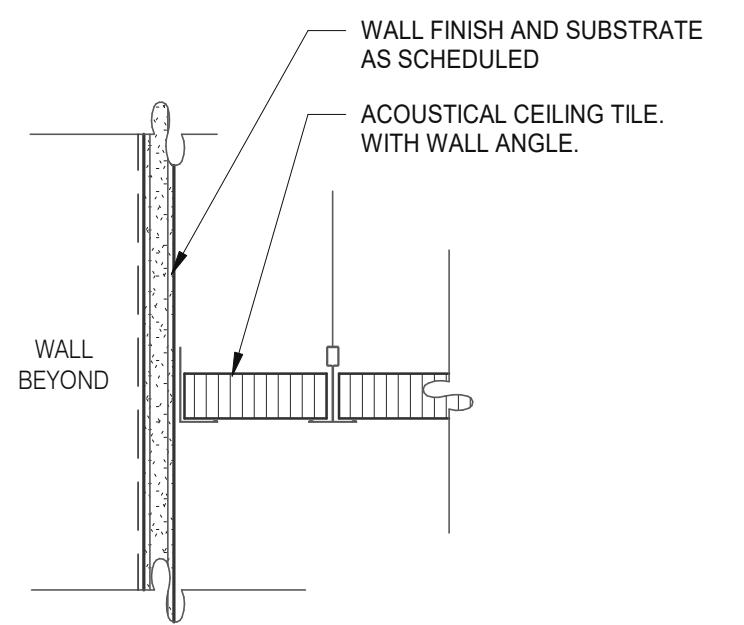
36505.26 MILE RD.
LENOX TWP, MI 48048ENDEAVOR 2.0
CONSTRUCTION
DETAILS
INTERIOR

A6.4

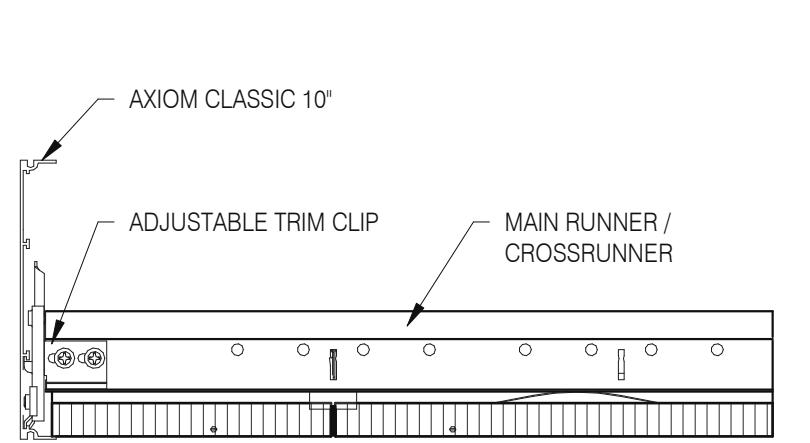


GPD GROUP
Professional Corporation

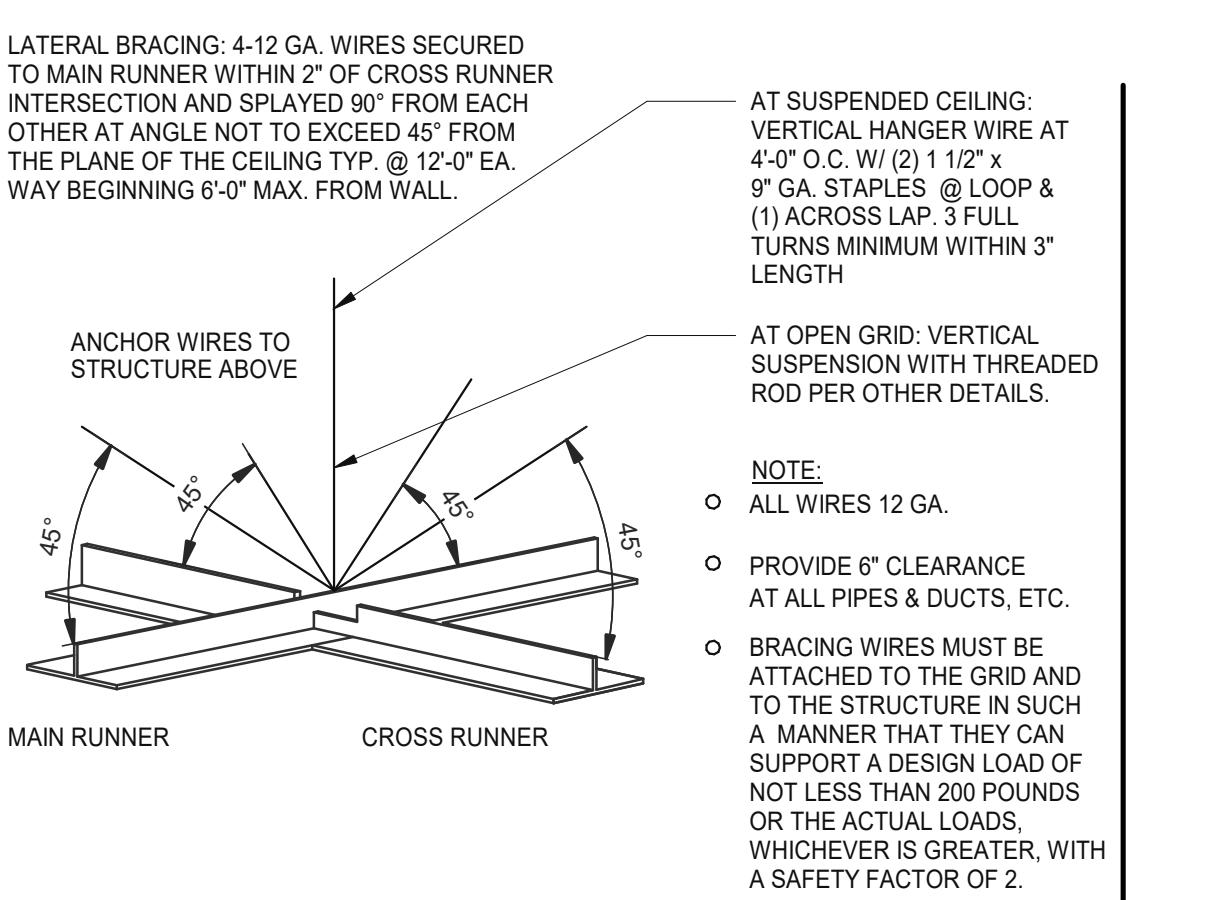
520 S. MAIN STREET, SUITE 253
ALEXANDRIA, OH 44311
330.572.2100 FAX: 330.572.2102



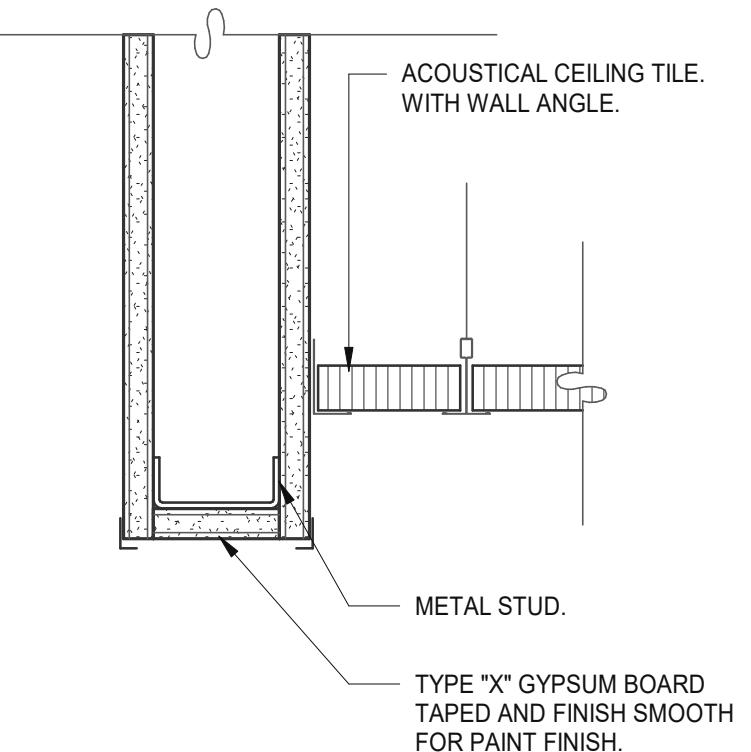
GYPSUM BOARD TRANSITION 3" = 1'-0" 17



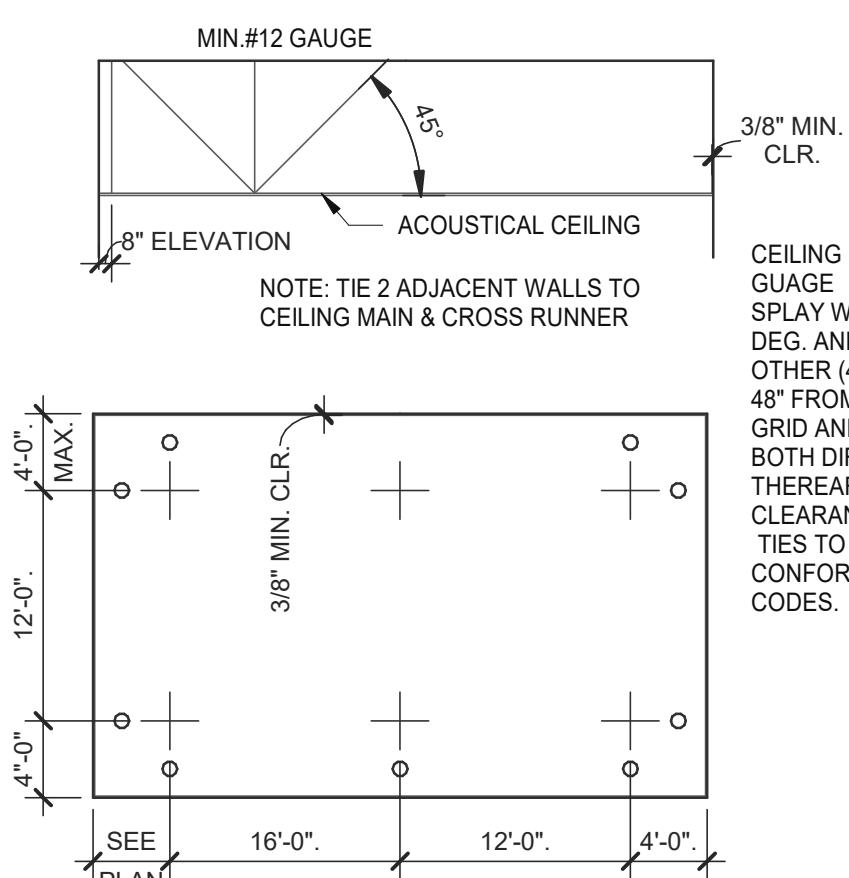
ASSEMBLY CLIP-ON 3" = 1'-0" 13



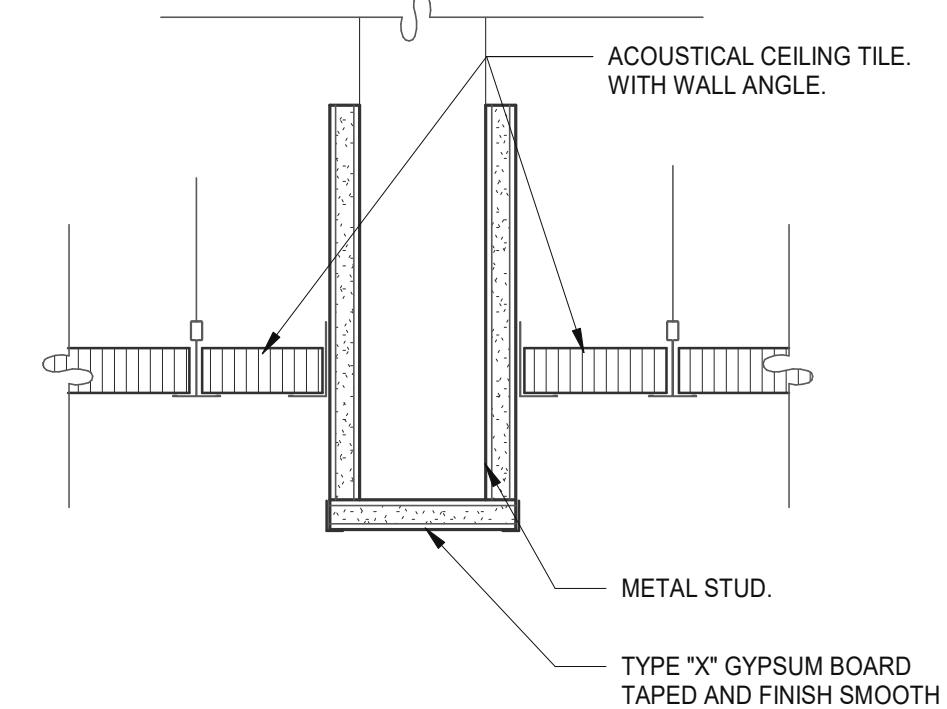
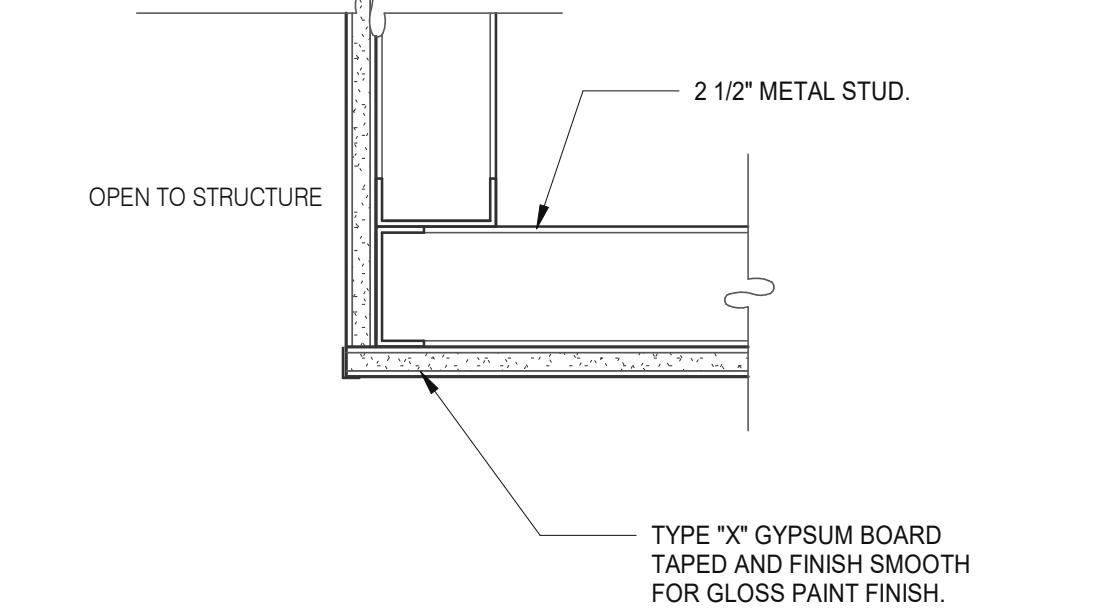
SUSPENDED ACOUSTICAL CEILING 3" = 1'-0" 9



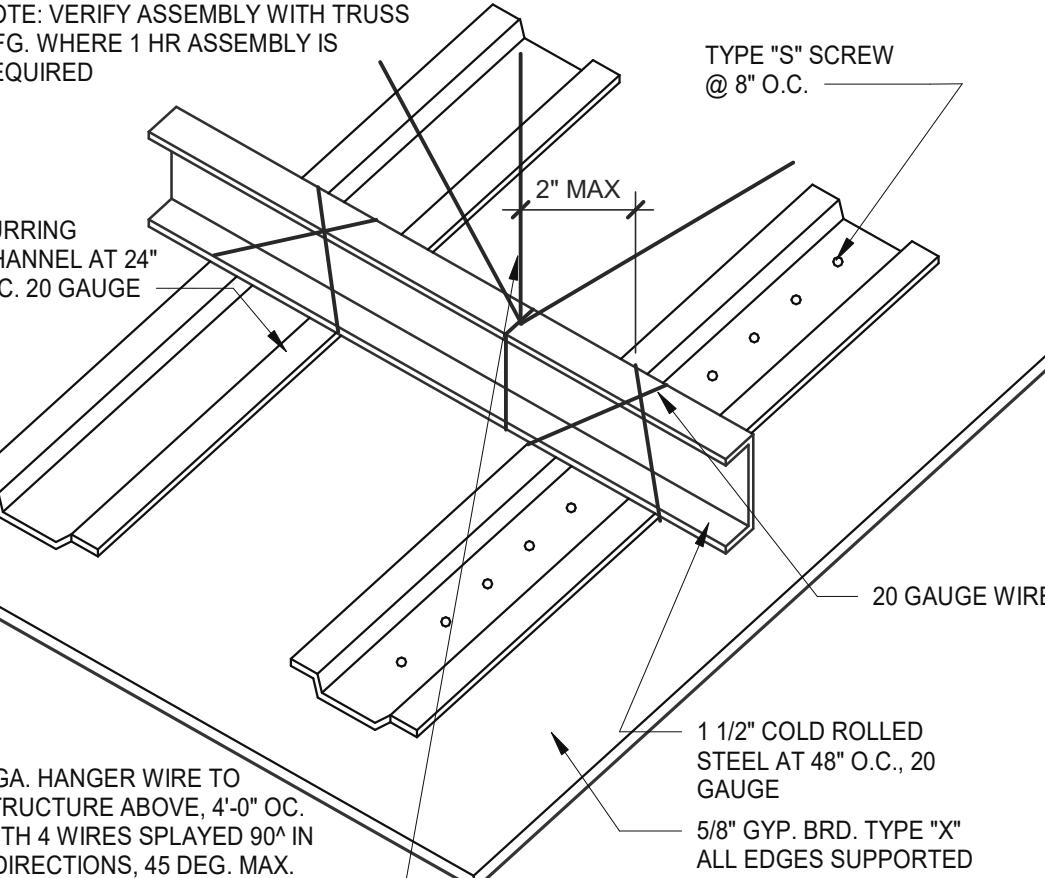
CEILING HEADER TRANSITION 3" = 1'-0" 14



SUSPENDED CEILING GRID 12" = 1'-0" 10

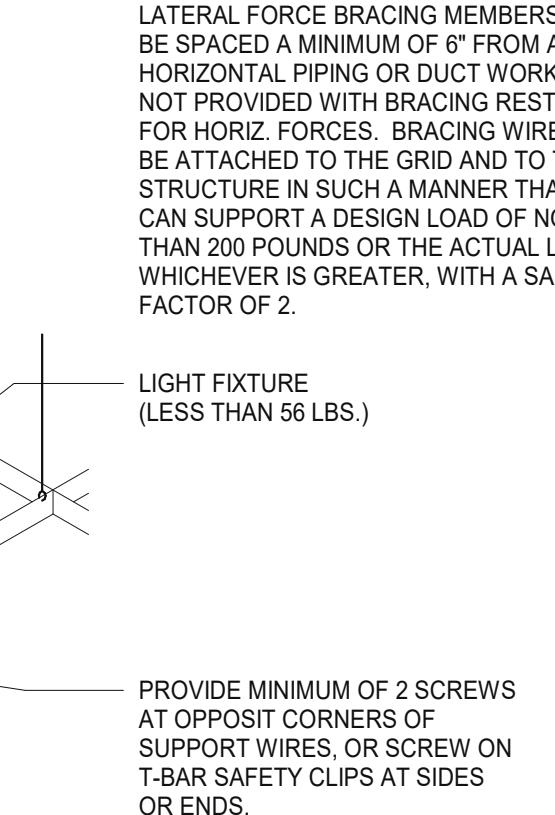
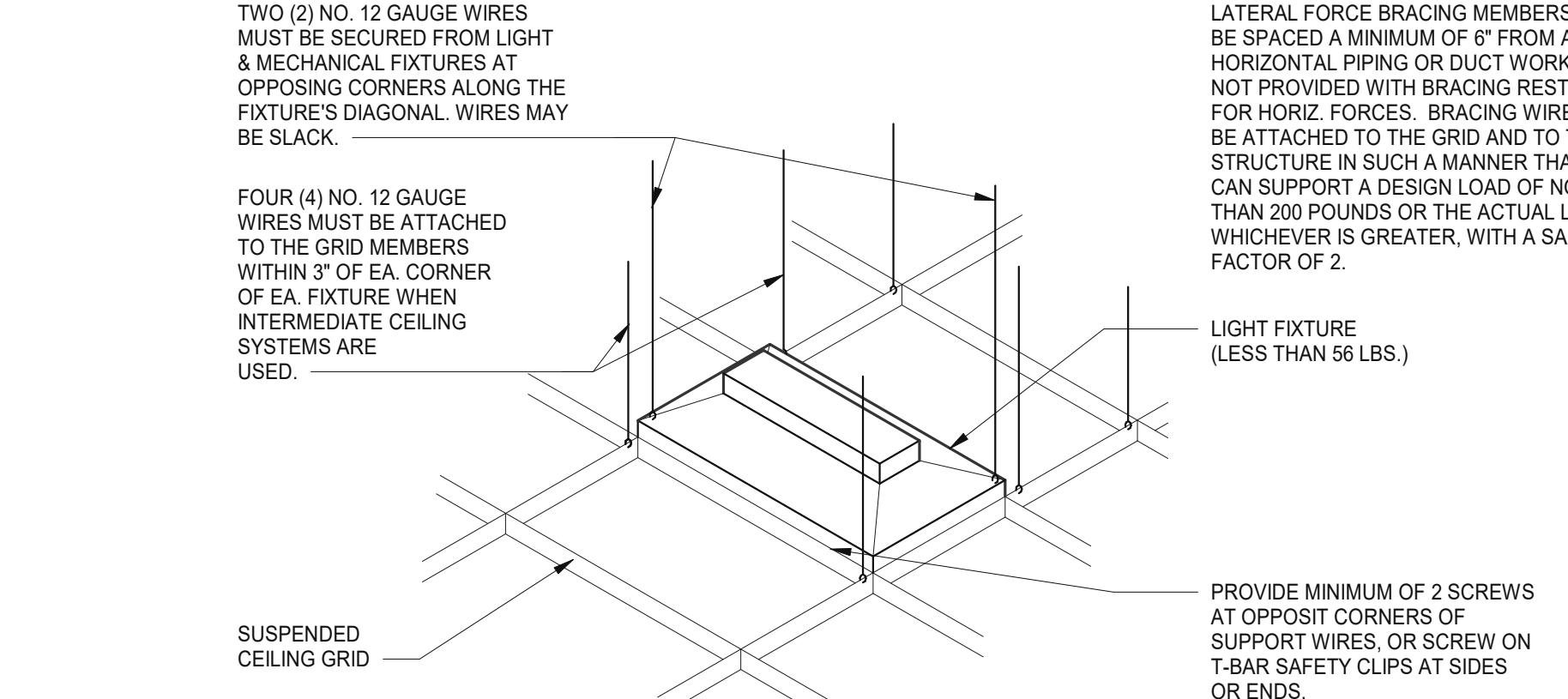


CEILING HEADER TRANSITION 3" = 1'-0" 5

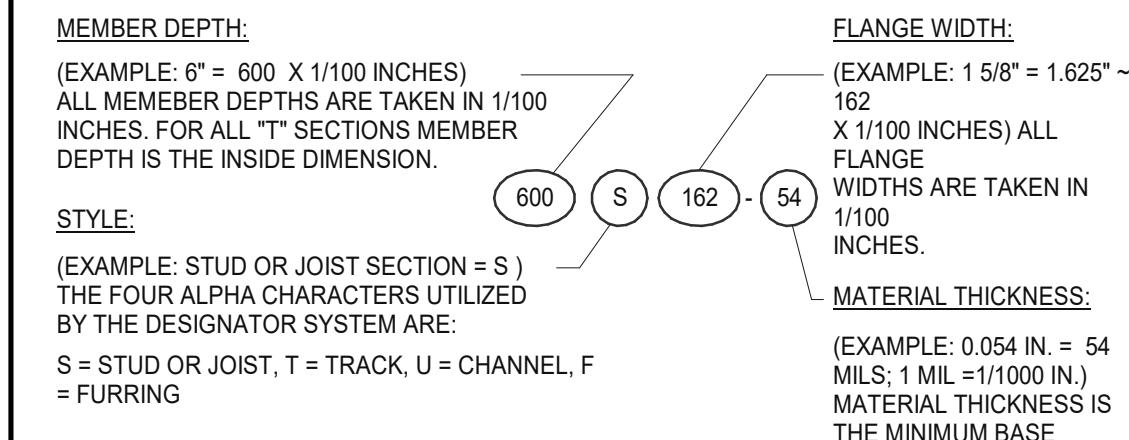


GYPSUM BOARD CEILING 3" = 1'-0" 6

CEILING TRANSITION 3" = 1'-0" 11



LIGHT FIXTURE @ SUSP. CLNG. 12" = 1'-0" 8



CEILING SPAN TABLE NOTES:

1. VALUES ARE FOR SINGLE SPANS.
2. ALLOWABLE CEILING SPAN CALCULATIONS BASED ON 33ksi YIELD STRENGTH STEEL.
3. FOR FULLY BRACED CEILINGS, USE MID-SPAN BRACED VALUES.
4. END BEARING LENGTH = 1" MINIMUM.

SECTION:	(MIL)	4 PSF LATERAL SUPPORT OF COMPRESSION FLANGE UNSUPPORTED JOIST SPACING (IN.) O.C. MID-SPAN JOIST SPACING (IN.) O.C.					
		12"	16"	24"	12"	16"	24"
362S125	18	9'-3"	8'-7"	7'-7"	12'-8"	11'-7"	10'-0"
362S125	27	10'-8"	9'-10"	8'-10"	15'-0"	13'-11"	12'-4"
362S125	30	11'-0"	10'-2"	9'-1"	15'-6"	14'-4"	12'-10"
362S125	33	11'-5"	10'-7"	9'-5"	16'-2"	14'-10"	13'-3"
362S125	43	12'-8"	11'-8"	10'-5"	17'-9"	16'-5"	14'-8"
362S137	27	12'-0"	11'-2"	10'-0"	17'-2"	15'-11"	14'-3"
362S137	33	12'-11"	11'-11"	10'-8"	18'-4"	16'-11"	15'-2"
362S137	43	14'-3"	13'-2"	11'-8"	20'-0"	18'-6"	16'-7"
362S162	33	14'-8"	13'-7"	12'-2"	20'-10"	18'-11"	16'-6"
362S162	43	16'-2"	14'-11"	13'-4"	22'-8"	20'-7"	18'-0"
400S125	27	10'-11"	10'-1"	9'-1"	15'-5"	14'-3"	12'-9"
400S125	30	11'-4"	10'-5"	9'-4"	16'-0"	14'-9"	13'-2"
400S125	33	11'-9"	10'-10"	9'-8"	16'-7"	15'-3"	13'-8"
400S125	43	13'-0"	12'-0"	10'-8"	18'-3"	16'-10"	15'-0"
400S137	27	12'-4"	11'-5"	10'-3"	17'-7"	16'-4"	14'-8"
400S137	33	13'-3"	12'-3"	10'-11"	18'-9"	17'-4"	15'-7"
400S137	43	14'-7"	13'-6"	12'-0"	20'-7"	19'-0"	17'-0"
400S162	33	15'-0"	13'-11"	12'-6"	21'-5"	19'-10"	17'-9"
400S162	43	16'-7"	15'-3"	13'-8"	23'-4"	21'-7"	19'-4"
600S125	27	12'-5" ●	11'-6" ●	10'-4" ●	17'-11" ●	16'-6" ●	14'-9" ●
600S125	30	12'-9"	11'-10"	10'-8"	18'-5"	17'-1"	15'-3"
600S125	33	13'-2"	12'-3"	11'-0"	18'-11"	17'-7"	15'-10"
600S125	43	14'-6"	13'-4"	11'-11"	20'-6"	19'-0"	17'-0"
600S137	33	14'-11"	13'-9"	12'-5"	21'-5"	19'-10"	17'-10"
600S137	43	16'-3"	15'-0"	13'-5"	23'-1"	21'-5"	19'-3"
600S162	33	16'-11"	15'-8"	14'-1"	24'-5"	22'-8"	20'-5"
600S162	43	18'-5"	17'-0"	15'-3"	26'-4"	24'-4"	21'-11"

NOTE: ALL JOIST INFORMATION IS BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) ICC ESR-3064P

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BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: RS

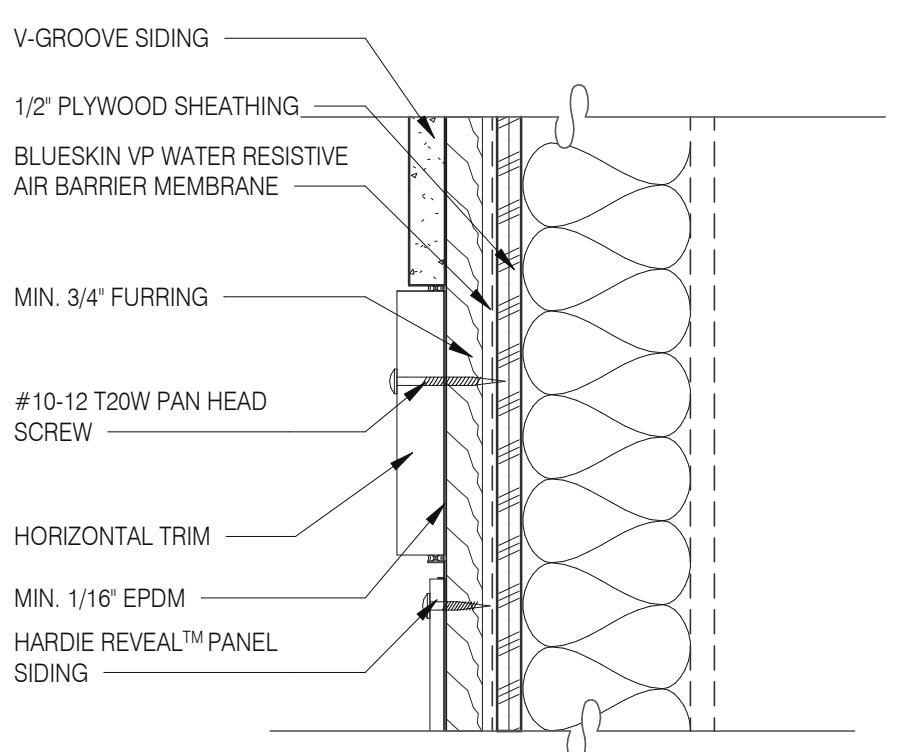
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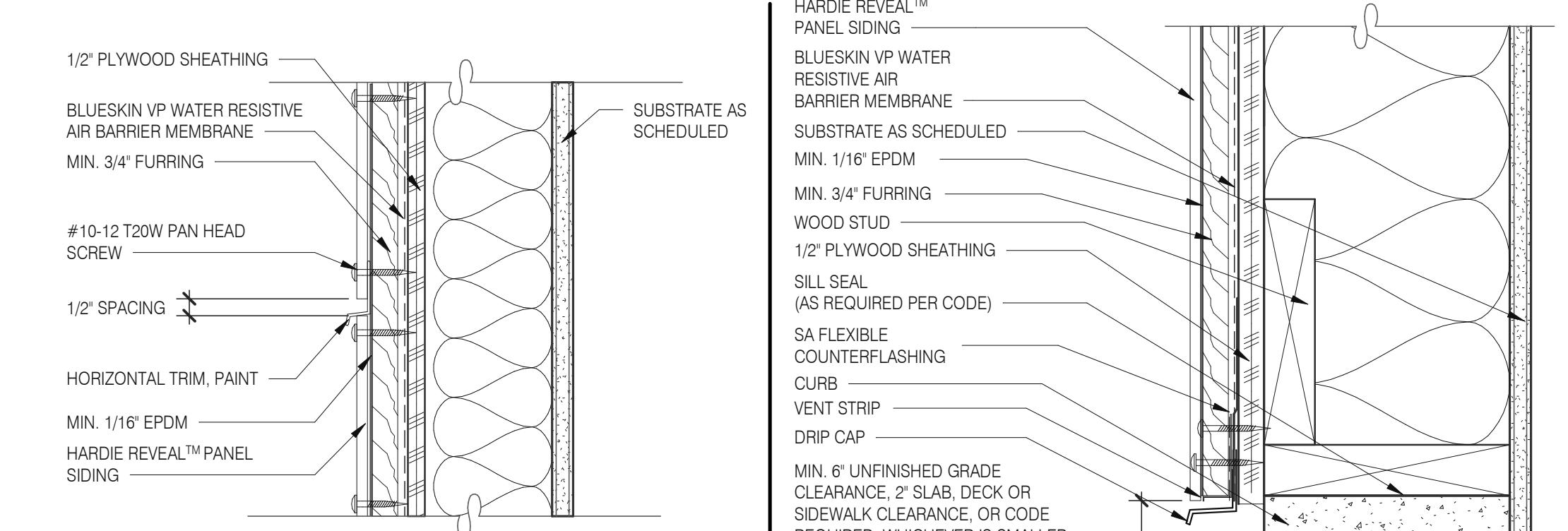
ENDEAVOR 2.0
CEILING DETAILS

A6.5

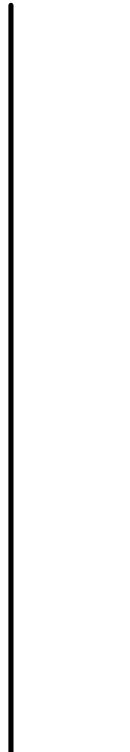
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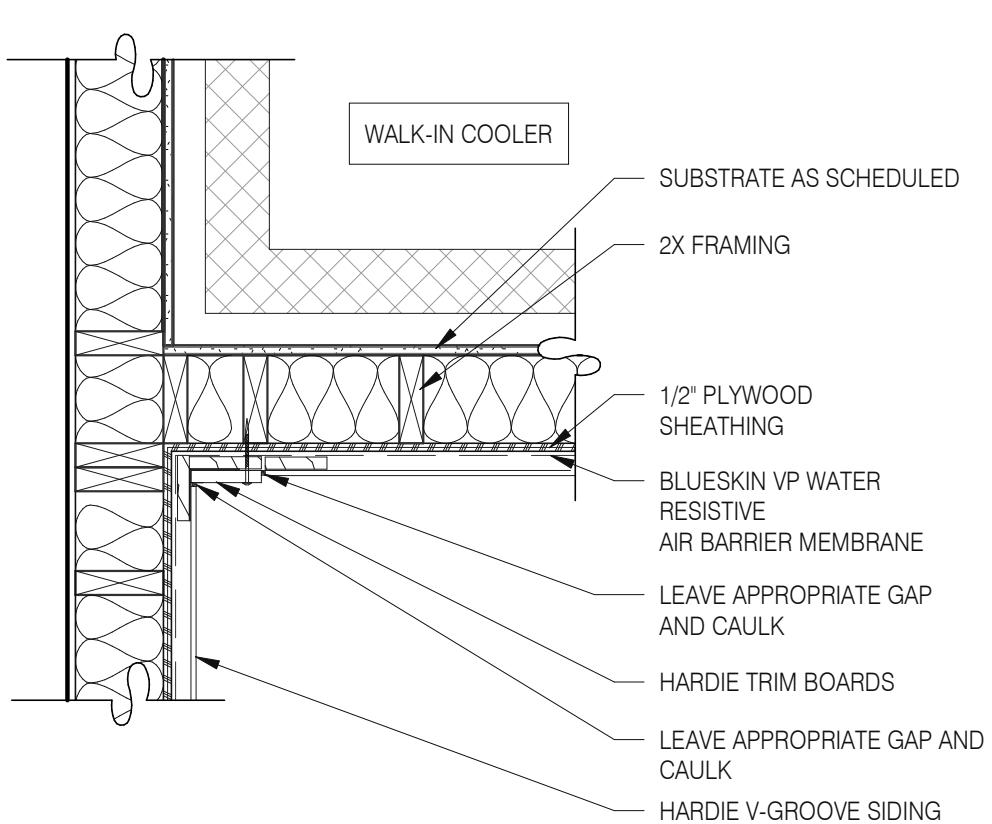
PANEL WITH HORIZONTAL TRIM 3" = 1'-0" **13**



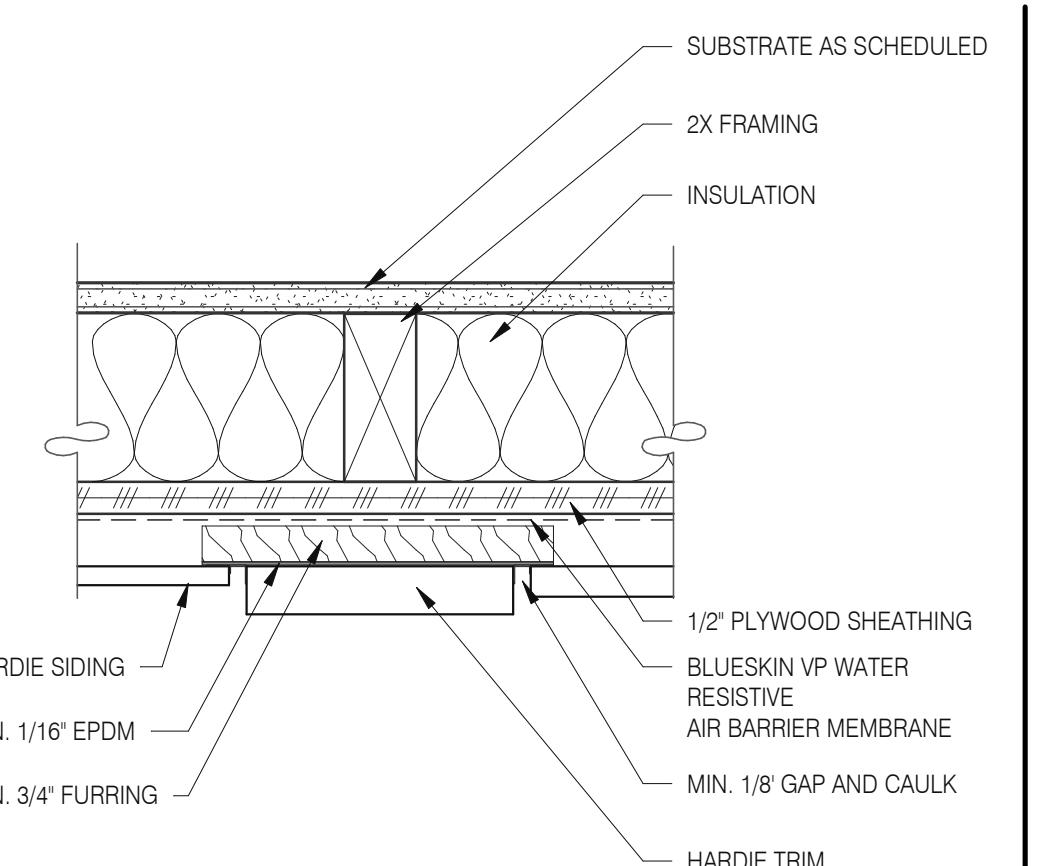
PANEL WITH HORIZONTAL TRIM 3" = 1'-0" **9**



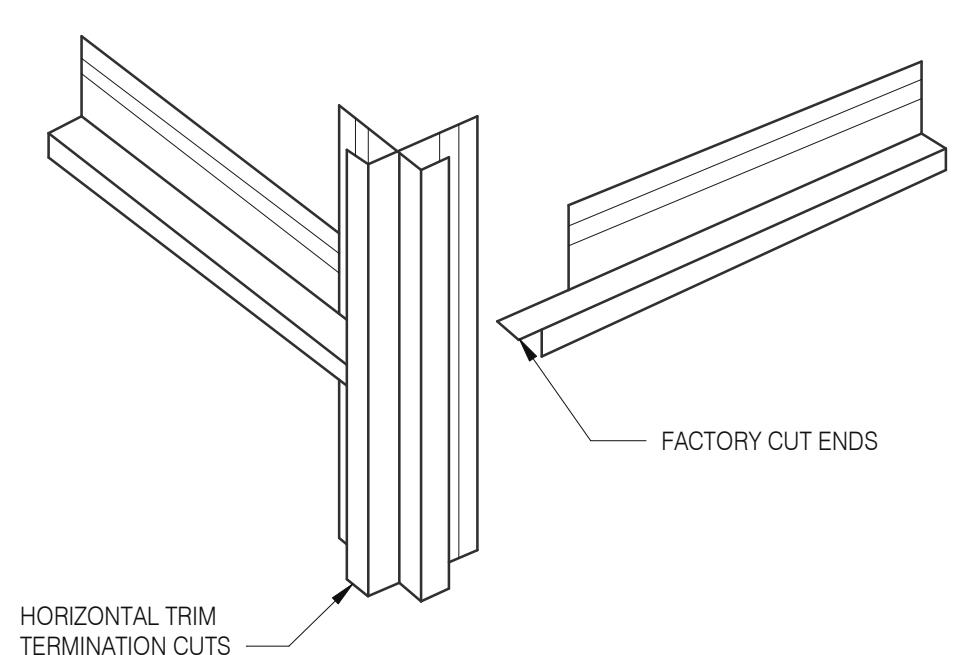
FOUNDATION @ GRADE 3" = 1'-0" **5**



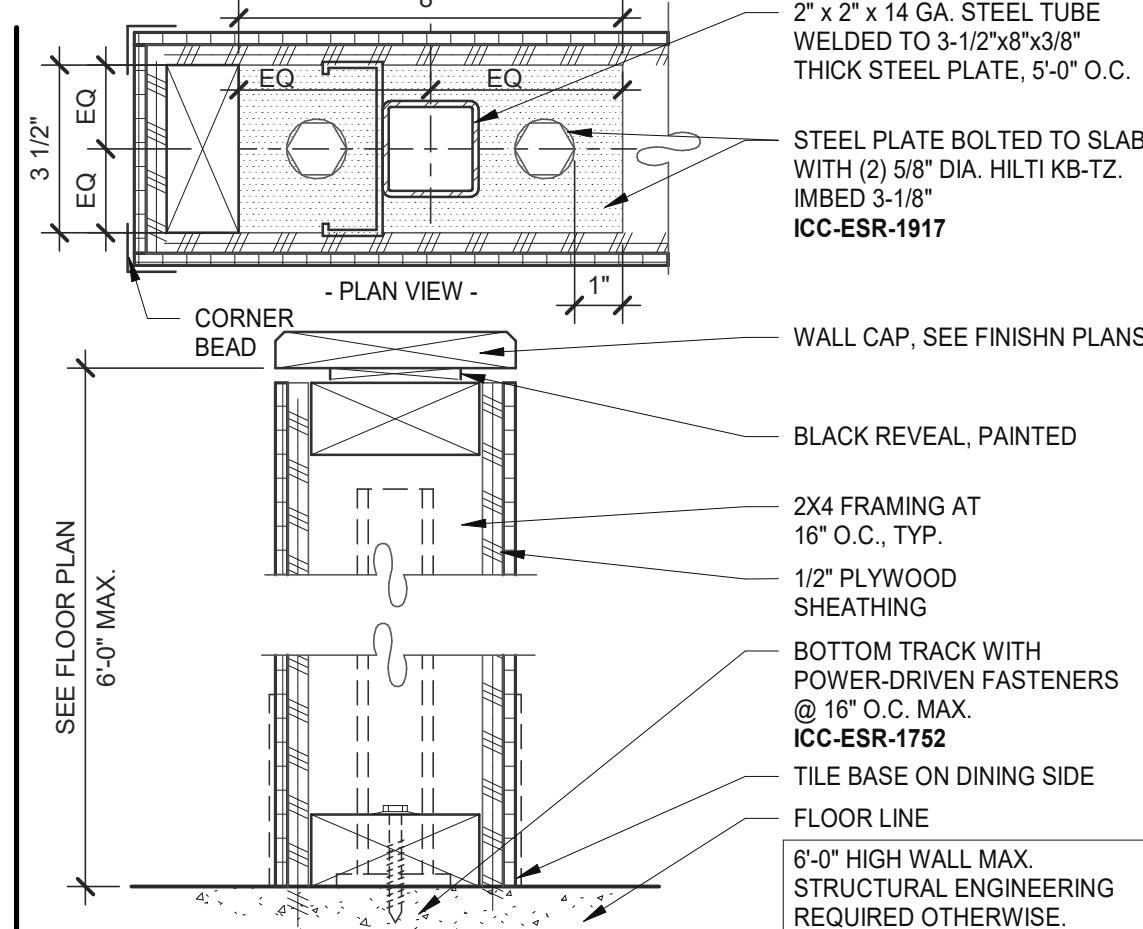
WALK-IN COOLER DETAIL 1" = 1'-0" **18**



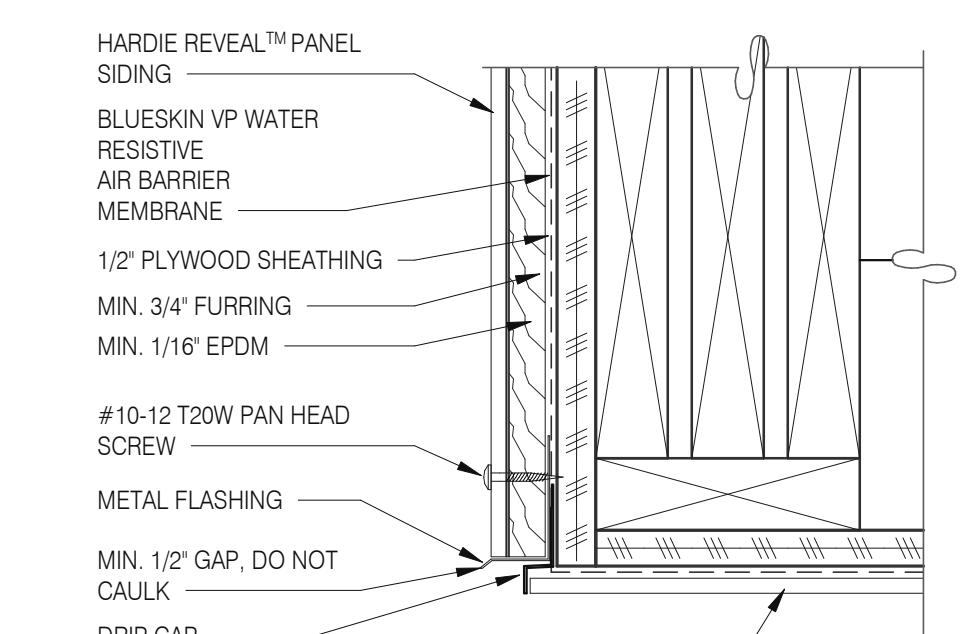
PANEL WITH VERTICAL TRIM 3" = 1'-0" **10**



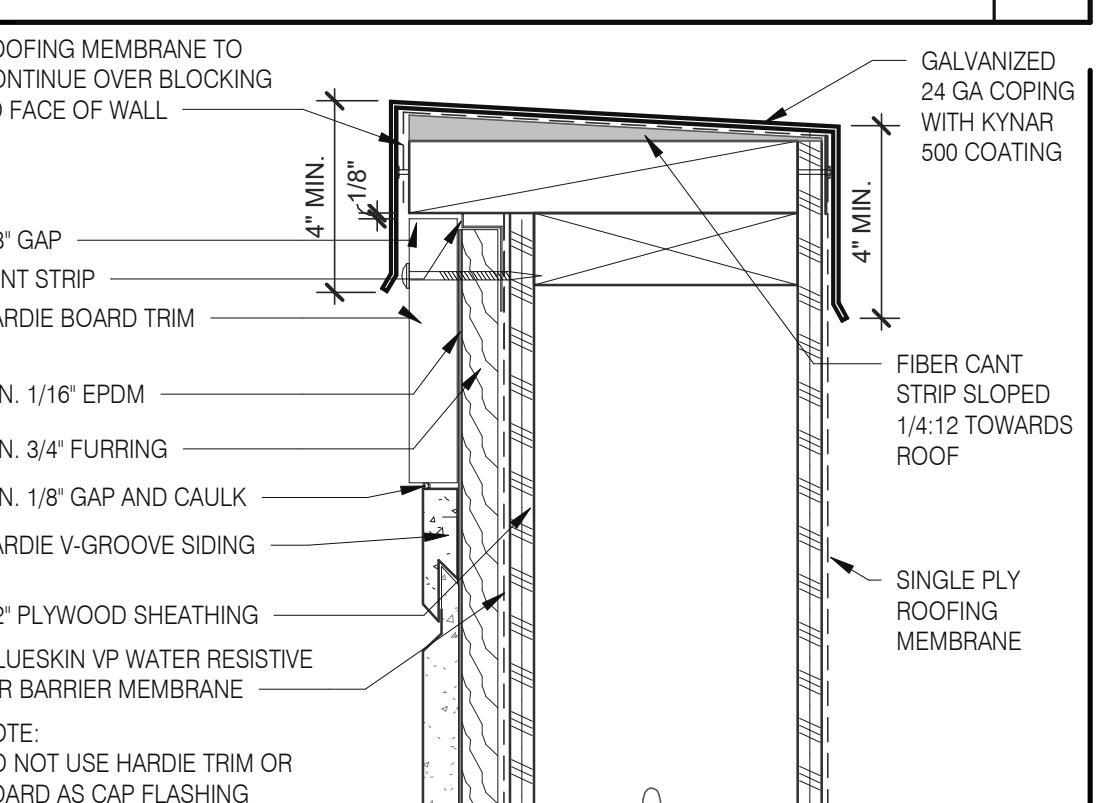
HOR. TRIM - TERMINATION N.T.S. **6**



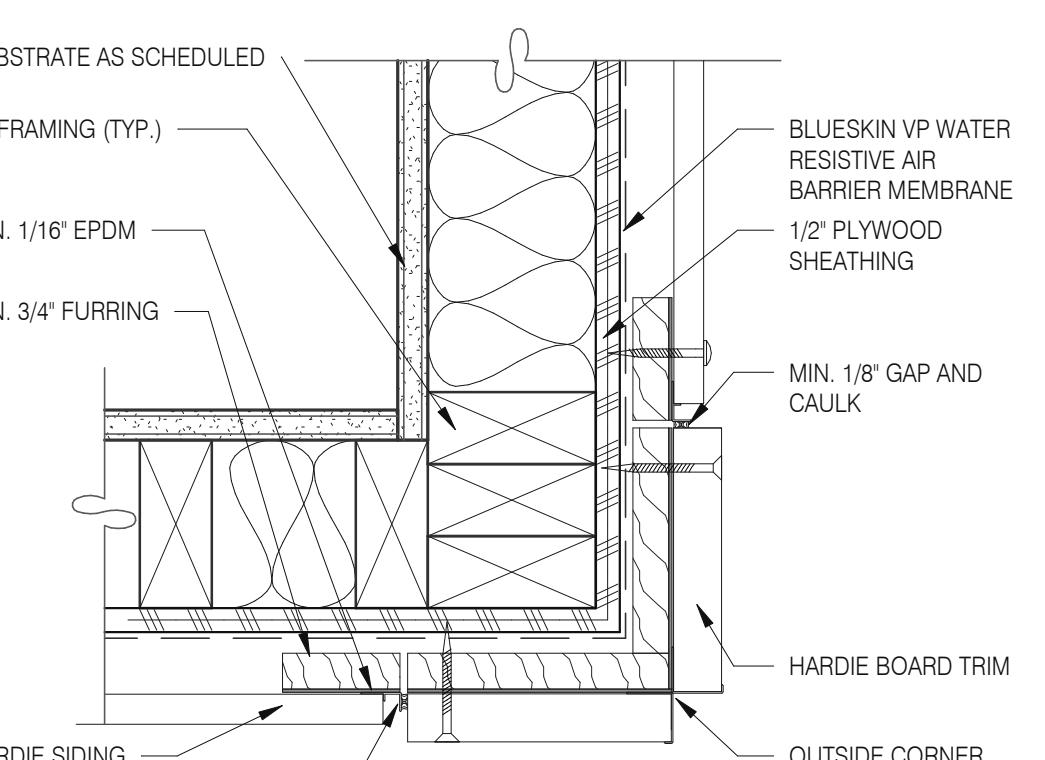
LOW WALL 3" = 1'-0" **15**



SOFFIT FLASHING INTERSECTION 3" = 1'-0" **11**



VENTED PARAPET WALL 3" = 1'-0" **12**



OUTSIDE CORNER TRIM 3" = 1'-0" **8**

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BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: RS
JOB NO.: 2019088.28

TACO BELL

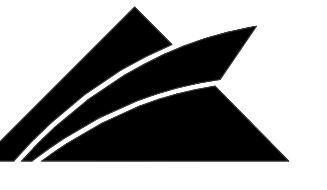
36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
HARDIE BOARD
DETAILS

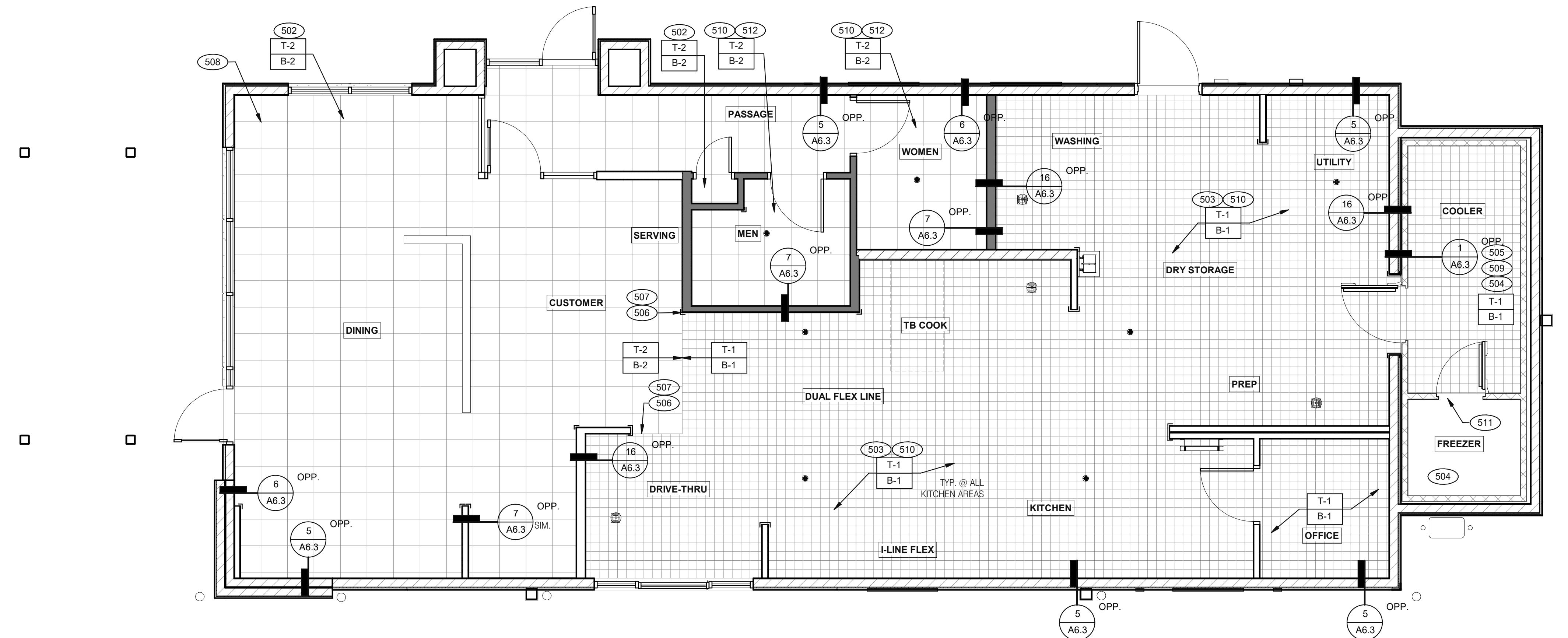
A6.6

PLOT DATE: 1/18/2022 3:43:38 PM



GPD GROUP
Professional Corporation
520 S. MAIN STREET, SUITE 2531

20 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
572.2100 FAX: 330.572.2102



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SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY.. RS
JCB NO. 2212222-22

JOB NO.: 2019000.20

TACO BELL

LENEX TWP., MI 48046

ENDEAVOR 2.0

FLOOR FINISH

PLAN

A7.0

PLOT DATE: 1/18/2022 3:43:42 PM

DOOR FINISH PLAN 1/4" ≈ 1'-0" A

TACO BELL

- A.  DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES
- B. TILE JOINT (U.O.N.):
 - 1. QUARRY FLOOR TILE: 1/4"
 - 2. PORCELAIN FLOOR TILE: 3/16"
 - 3. GLAZED WALL TILE: 1/8"
 - 4. BASE, TRIM AND ACCESSORIES: MATCH ADJOINING TILE UNITS
- C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.
- D. ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.
- E. SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.
- F. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.
- G. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED

- 02 6" COVE TILE BASE. SEE DETAILS 5 & 8/A6.3.
- 03 6" SANITARY COVE TILE BASE. SEE DETAILS 4, 6/A6.3.
- 04 PROVIDE FLOOR TILE INSIDE WALK-IN COOLER (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN. COORDINATE WITH COOLER WALL CONFIGURATION.
- 05 NO BASE TILE BEHIND W-059 FOR WALK-IN COOLER/FREEZER.
- 06 ALIGN FLOOR TILE TRANSITION WITH FACE OF WALL.
- 07 FLOAT FLOOR TILE FOR FLUSH TRANSITION.
- 08 START POINT FOR FLOOR TILE.
- 09 METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL 1/A6.3.
- 10 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS.
- 11 STEP-UP AT FREEZER THRESHOLD.
- 12 SANITARY TILE BASE IN RESTROOM.

NOT USED

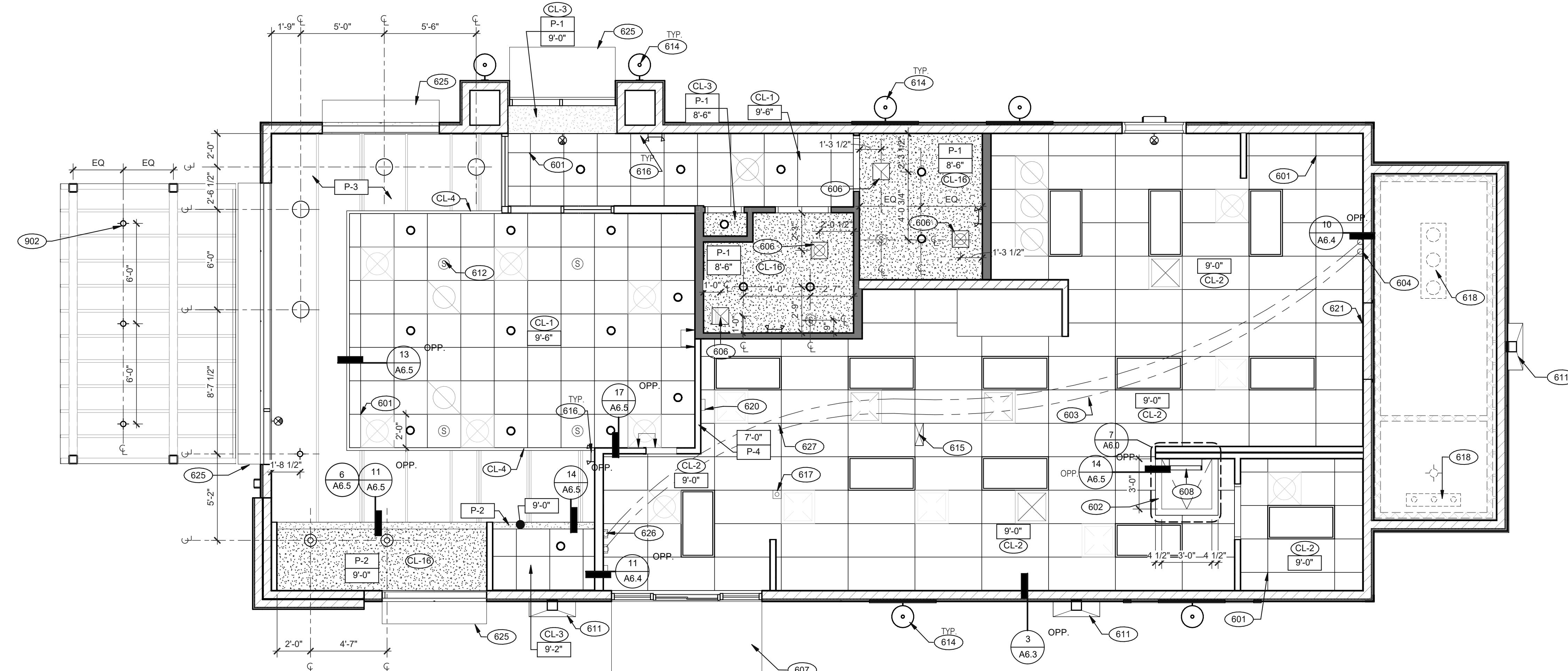
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FLOOR FINISH NOTES

9

KEY NOTES

1



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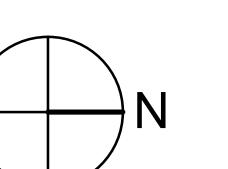
SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: RS

JOB NO.: 2019088.28



REFLECTED CEILING PLAN 1/4" = 1'-0" **A**

TACO BELL

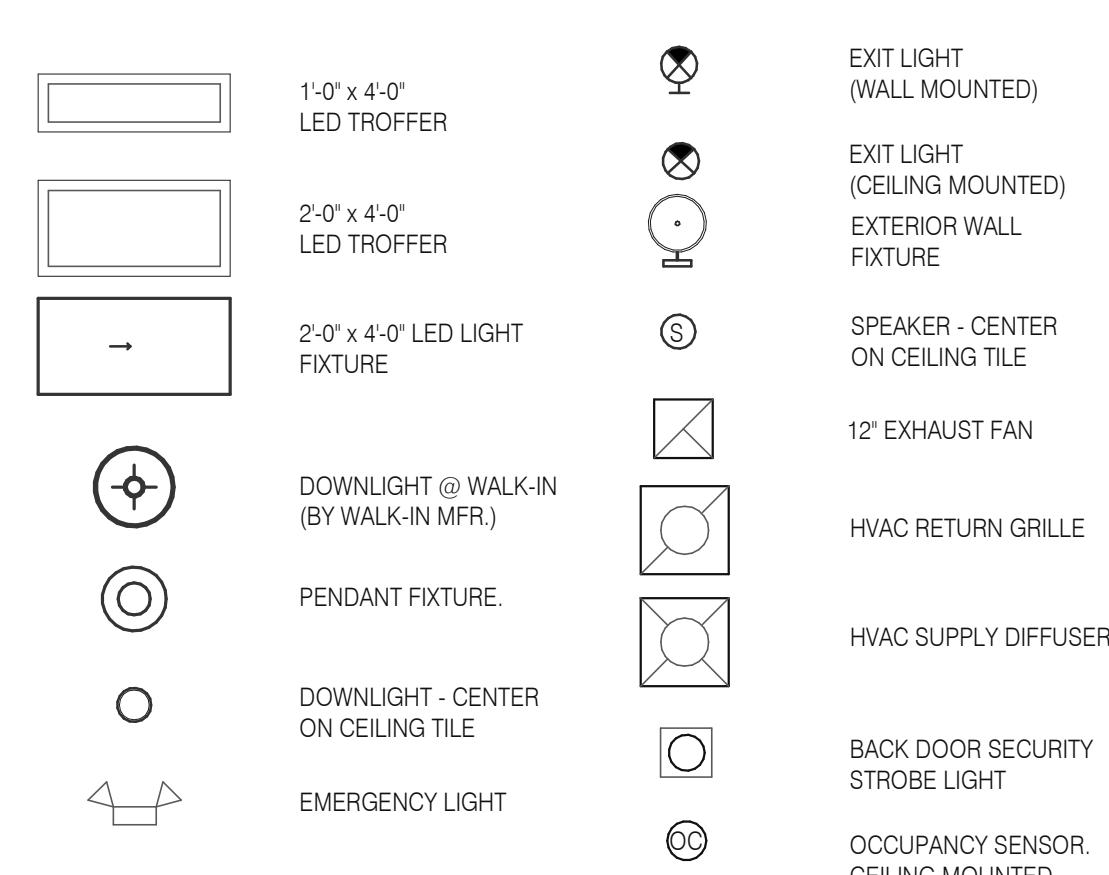
36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
**REFLECTED
CEILING PLAN**

A7.1

PLOT DATE: 1/18/2022 3:43:48 PM



DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF FINISH U.O.N.

CEILING FINISHES:
A. REFER TO ROOM FINISH SCHEDULE (SHT A7.2) FOR CLG. FINISHES.

SUSPENDED CEILING:
A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT.
B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS, 2" MAX.
D. INSTALL SYSTEM AFTER MAJOR ABOVE CLG. WORK IS COMPLETE. COORD LOCATIONS OF HANGERS WITH RELATED WORK.
E. SEE SPECS FOR ADDITIONAL INFORMATION.

GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 1/2" THICK GYP BD.
B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS.
GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

ELECTRICAL:
A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

601 CEILING GRID AT STARTING POINT.
602 BULKHEAD @ 8'-0" A.F.F.
603 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE OF WORK.
604 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
606 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL RESTROOMS).
607 DRIVE-THRU CANOPY.
608 ROOF HATCH.
611 VERTICAL DOWNSPOUT.
612 SPEAKER, CENTER ON CEILING TILE, U.O.N.
614 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECTRICAL DRAWINGS.
615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
616 EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS.
617 SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.
618 FAN COIL FOR WALK-IN.
620 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT CENTERLINE OF BOX 7'-11" A.F.F.
621 30"X30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FINISH WITH GYP. BD.
625 AWNING. SEE SCOPE OF WORK.
626 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.
627 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN.

902 EXTERIOR LIGHTS, REFER TO ELECTRICAL LIGHTING PLANS.

FINISH LEGEND						
SYMBOL	MANUFACTURER	STYLE	COLOR	SIZE	GROUT	COMMENTS
CEILING						
CL-1	USG	ACT SYSTEM, USG RADAR, CLIMAPLUS PERFORMANCE, SQ EDGE	#107 TAUPE	2X2	N/A	USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #107 TAUPE
CL-2	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2x4	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE
CL-3	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2X2	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE
CL-4	USG	USG COMPASSO STANDARD	#002 SILVER SATIN	10'H PROFILE		SEE PLANS AND DETAILS FOR MORE INFO
CL-16	N/A	GYPSUM BOARD	PAINTED PER RCP			

CHAIR RAIL						
CR-1	SW	SW7043	WORLDLY GRAY	3 1/2" X 3/4"		SEMI-GLOSS
FLOOR BASE						
B-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CQ
B-2	CMC	MOTIF GREY	GREY	6X12	MAPEI, #2 PEWTER, 1/8" JOINT WIDTH	
FLOORING						
T-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CQ
T-2	CMC	MOTIF GREY	GREY	18X18	MAPEI, #2 PEWTER, 1/8" JOINT WIDTH	

FRP/LAMINATE						
FRP-1	MARLITE	SMOOTH SURFACE	S100 S/2S WHITE	4' X 9' X .90		COORDINATE ALL TRIM PIECES WITH FRP MFG
L-1	WILSONART	4783K FINISH 7	WHITE TIGRIS			OFFICE SHELVING LAMINATE
L-2	WILSONART	Y0664K-12	MOCHA ASH			SOFTGRAIN FINISH, RR/UTILITY DOORS VERTICAL GRADE PRODUCT CODE #362 IS .028" AND HORIZONTAL GRADE PRODUCT CODE #372 IS .039"

CORNER GUARDS						
CG-1	C.S GROUP	ACROVYN VA SERIES	VA-034N #934 PEARL	3/4" X 3/4"		FOR PAINT MATCH P-1
CG-2	C.S GROUP	ACROVYN VA SERIES	VA-034N #262 DRIFTWOOD	3/4" X 3/4"		FOR PAINT MATCH CR-1 & WC-1

METAL TRANSITION						
MT-1	SCHLUTER	JOLLY	A 100 AT - SATIN NICKEL ANODIZED ALUMINUM	3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
MT-3	SCHLUTER	RONDEC - ALUMINUM		3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3

SOLID SURFACE						
SS-1	CORIAN	LAVA ROCK	LAVA ROCK			COUNTERTOPS/24" DIAMETER TABLE TOP

WALL COVERING						
WC-1	WOLF GORDON	RAMPART HIGH IMPACT WALL COVERING	FOUNDATION/ PIGMENT (GOH 1217260)		RAILROAD INSTALLATION: THERE SHOULD BE NO SEAMS ALONG WALLS	1 ROLL: 80 L.F.

WALL PAINT						
P-1	SHERWIN WILLIAMS	SW7021	SIMPLE WHITE	N/A	N/A	
P-2	SHERWIN WILLIAMS	TB2603C	PURPLE	N/A	N/A	
P-3	SHERWIN WILLIAMS	SW7076	CYBER SPACE	N/A	N/A	
P-4	SHERWIN WILLIAMS	SW7005	PURE WHITE	N/A	N/A	

 PAINT FINISH:
 WALLS: EGGSHELL
 TRIM/BOH: SEMI-GLOSS (CHAIR RAIL)
 CEILING: FLAT

WALL TILE						
W-1	CMC	FORM	ICE DECO MIX	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM ACCENT WALL TILE
W-2	CMC	FORM	ICE	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM WALL TILE
W-3	CMC	SAVAGEWOOD	WHITEWASH	3X36	MAPEI #01 ALABASTER, 1/8" JOINT WIDTH	RUNNING BOND INSTALLATION OFFSET 25%

FINISH LEGEND						
					D	

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BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: RS

JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0

FINISH
SCHEDULE

A7.2

PLOT DATE: 1/18/2022 3:43:50 PM

WESTERN STATES METAL ROOFING
 JESSICA TRIER
 INSIDE SALES REPRESENTATIVE
 P: (602) 495-0048
 D: (602) 422-2696
 W: www.metalroofing.com
 JESSICA@METALDECK.COM

CREATIVE MATERIALS CORP.
 ALLISON PICHE
 CLIENT SERVICES SUPERVISOR
 ONE WASHINGTON SQUARE, ALBANY, NY 12205
 P: (518) 452-9694
 D: (518) 713-5395
 APICHE@CREATIVEMATERIALSCORP.COM

USG CORPORATION
 TRAVIS TOMANEK
 CORPORATE ACCOUNT MANAGER
 (440) 541-3972
 TTOMANEK@USG.COM

MAPEI
 LISA FYKE
 ARCHITECTURAL REPRESENTATIVE
 MAPEI CORP.
 (909) 247-5324
 LFYKE@MAPEI.COM

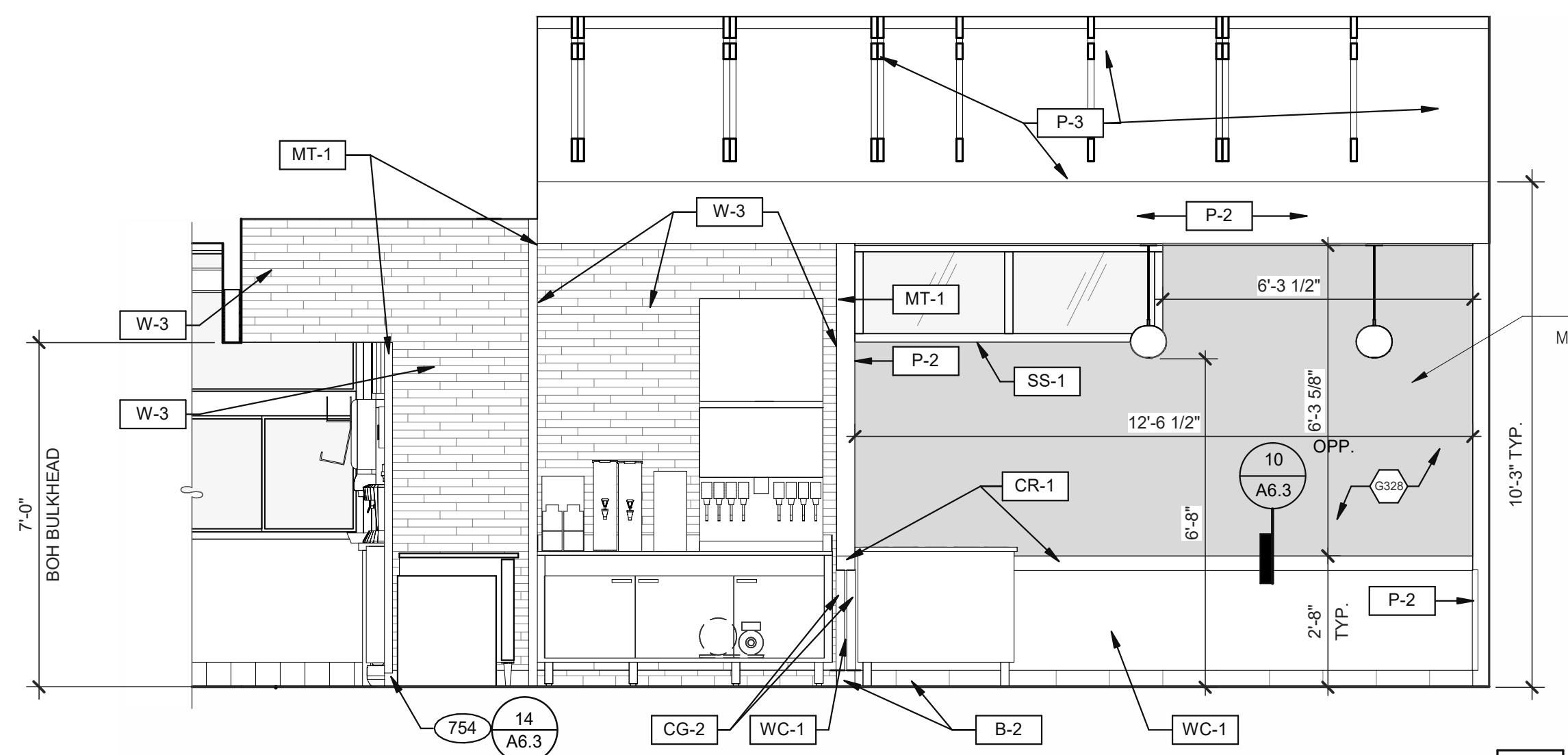
CORIAN
 DAVID GREENING
 NA COMMERCIAL SALES
 FOOD SERVICE/ RETAIL SEGMENT SALES LEADER
 CORIAN DESIGN
 (614) 975-6700
 DAVID.P.GREENING@DUPONT.COM

SHERWIN WILLIAMS
 SUNNY PATEL
 NATIONAL ACCOUNT EXECUTIVE
 2100 W. ORANGEWOOD AVE. SUITE 100
 ORANGE, CA 92868
 (619) 990-1920
 SUNDEEPKUMAR.PATEL@SHERWIN.COM

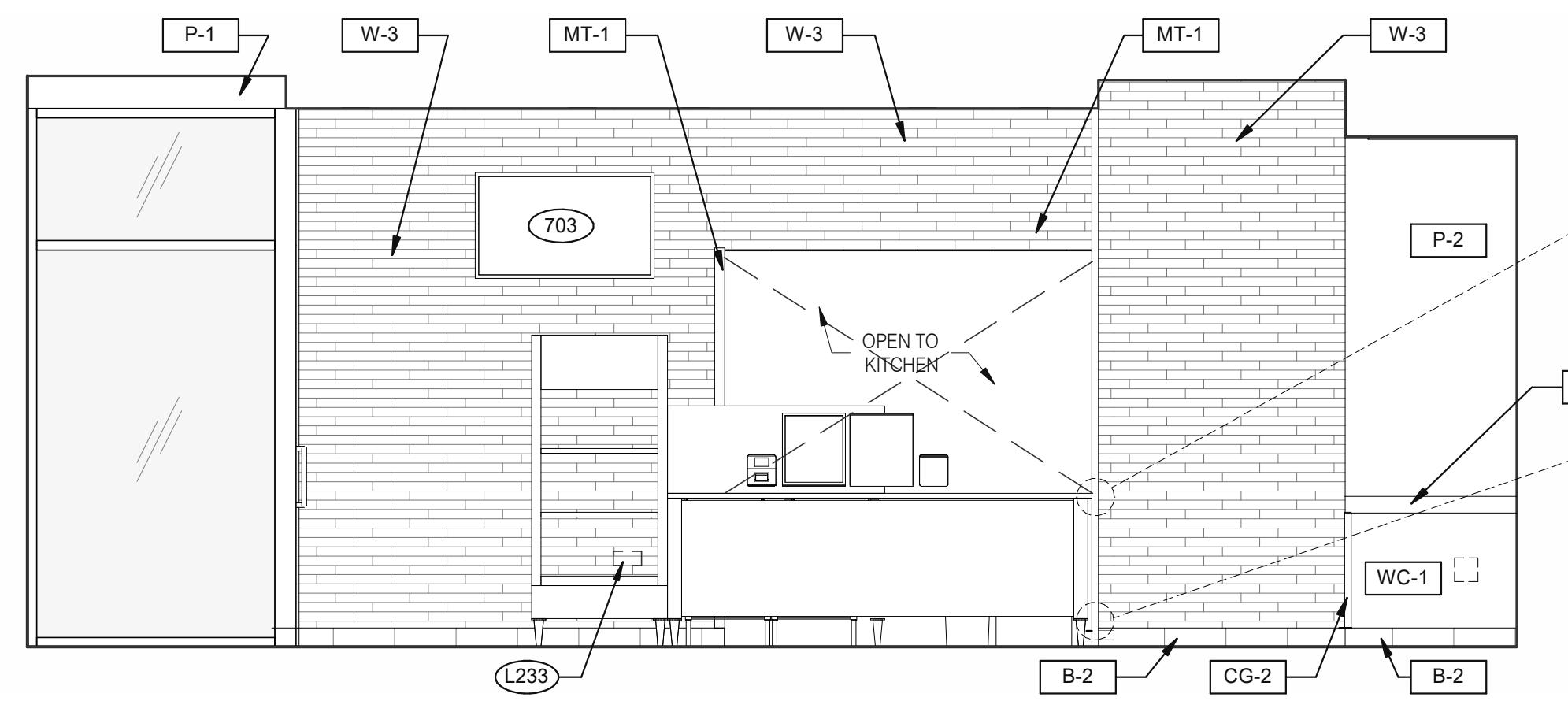
MARLITE
 DAN DEGBERS
 REGION SALES MANAGER -
 SPECIFICATIONS MARLITE, INC.
 P: (800) 377-1221
 M: (330) 260-7633
 1 MARLITE DRIVE, DOVER, OH 44622
 www.marlite.com
 degbers@marlite.com

JAMES HARDIE
 MATT PETERSEN
 CELL: (707) 536-6271
 MATTHEW.PETERSEN@JAMESHARDIE.COM

WOLF GORDON
 JESSICA ROSE
 (213) 999-1141
 JESSICA.ROSE@WOLFGORDON.COM

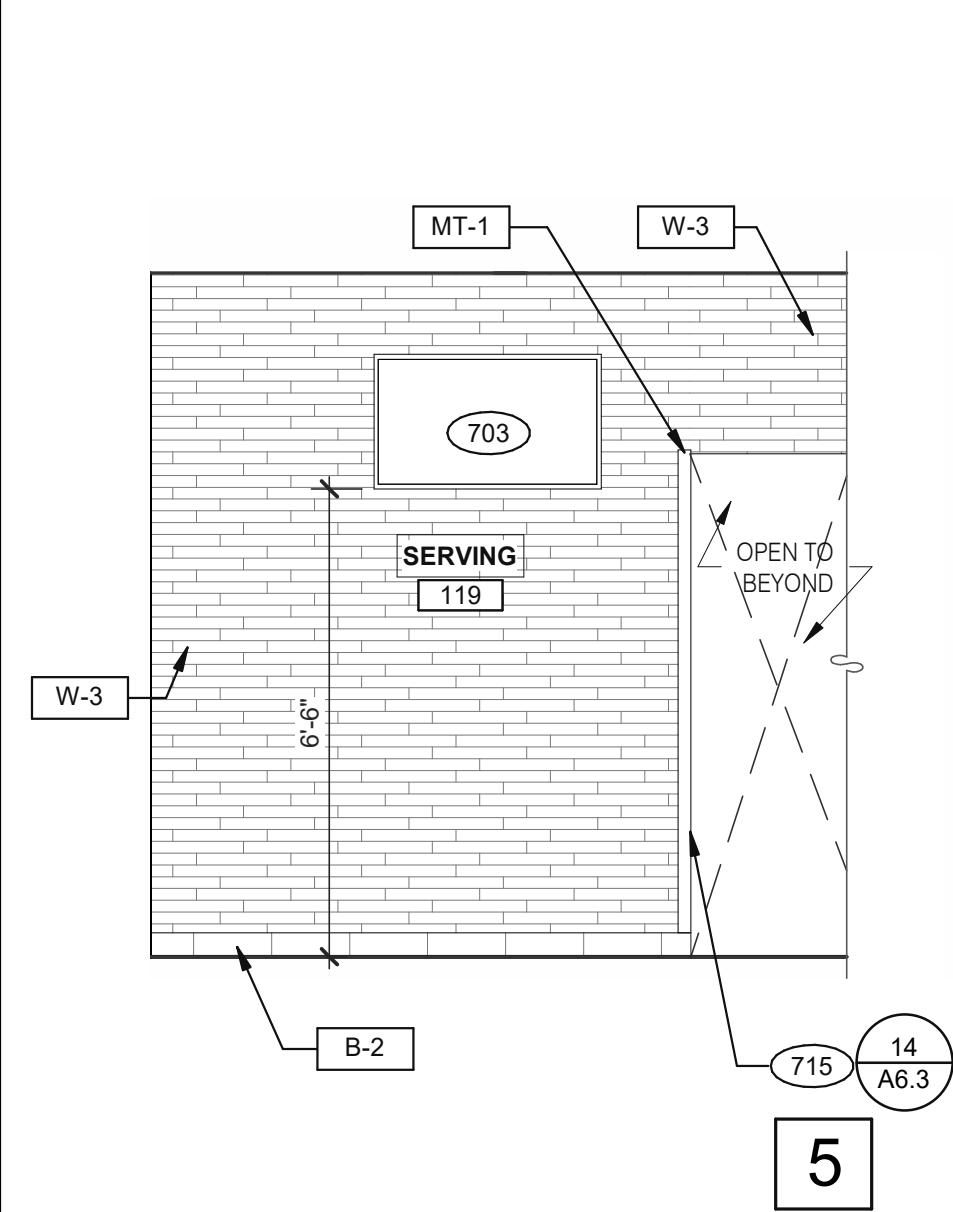


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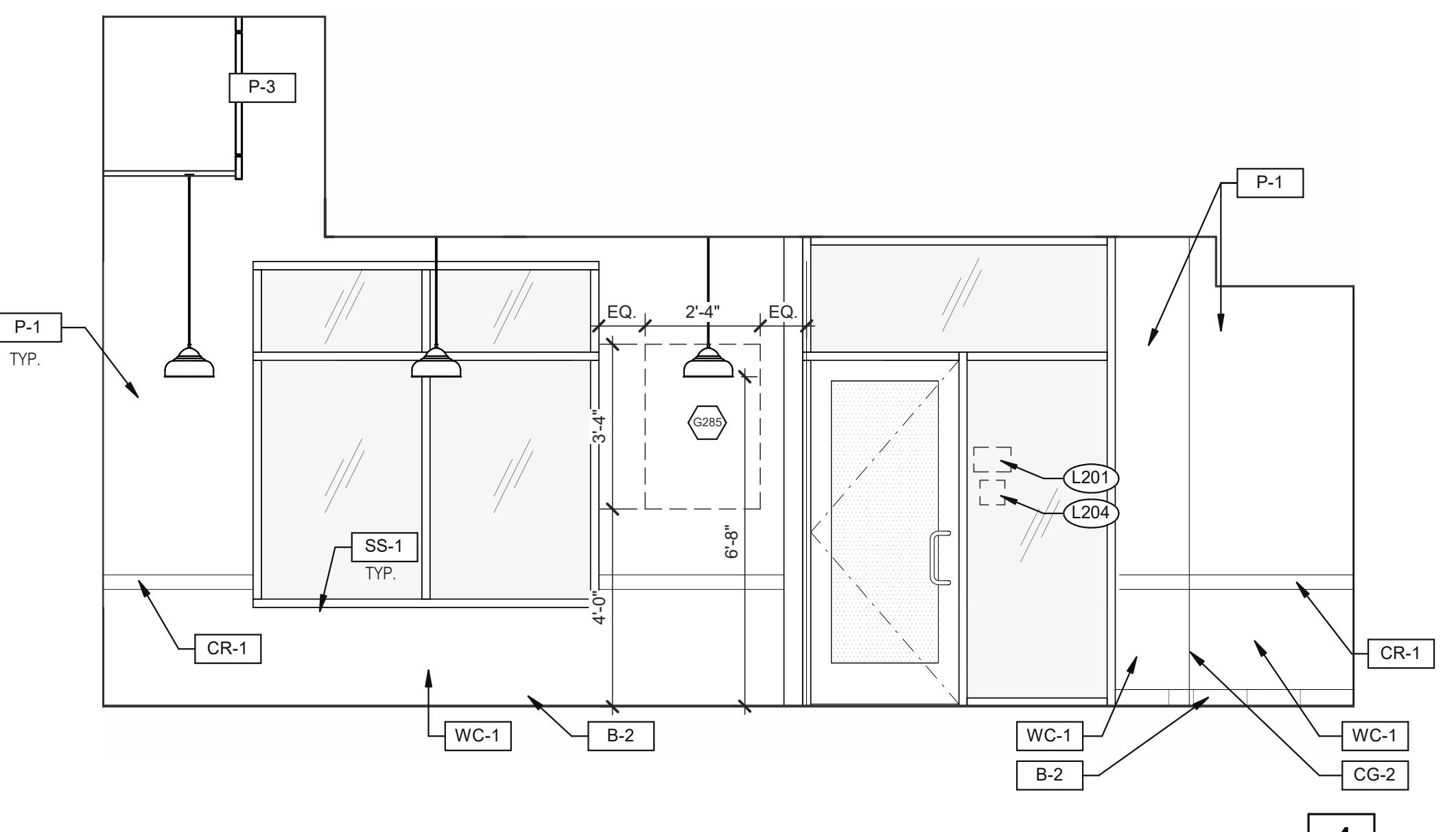


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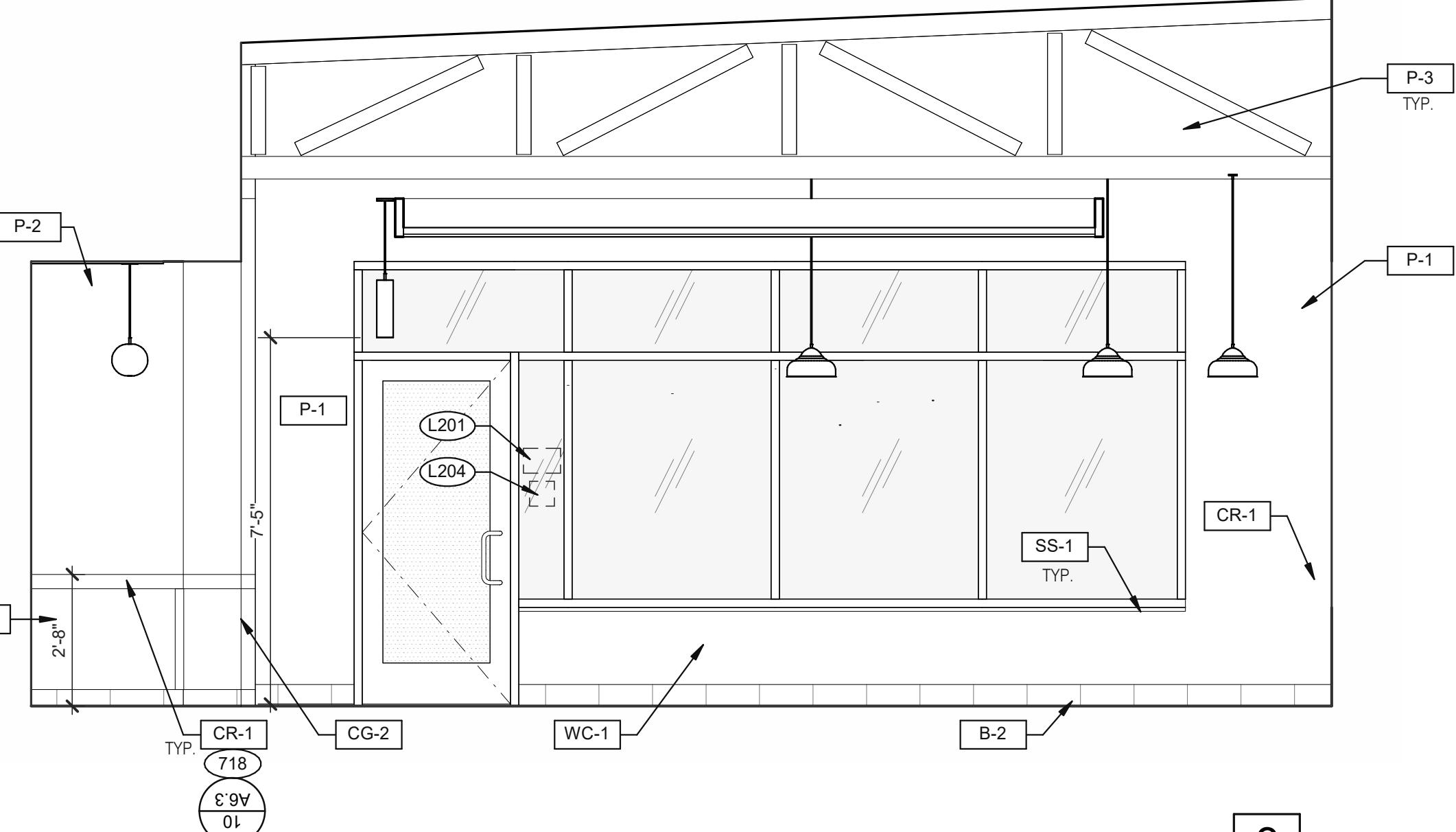
DINING 3/8" = 1'-0"



5



4



3

DINING 3/8" = 1'-0"

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: RS

JOB NO.: 2019088.2

TACO BELL

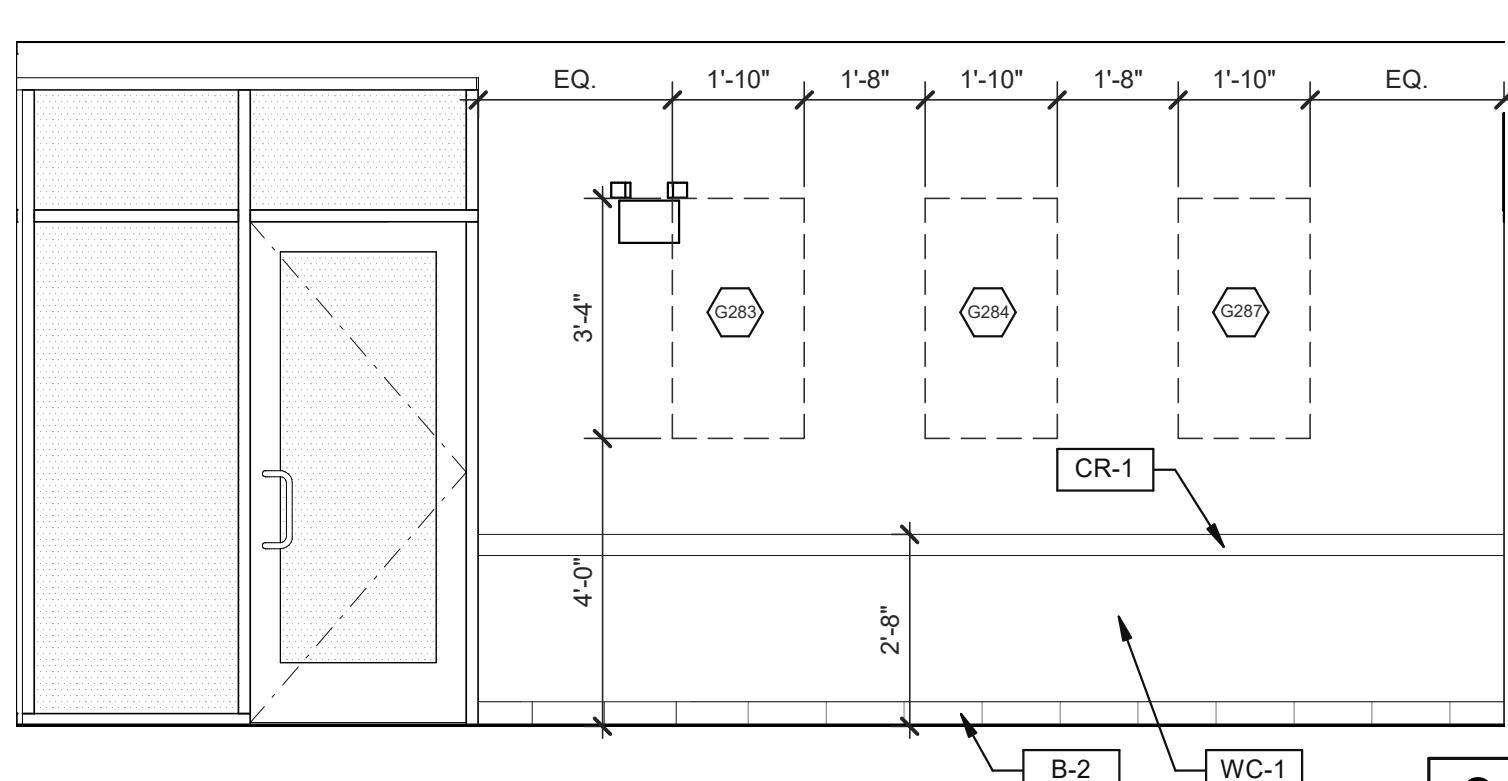
36505 26 MILE RD.
LENOX TWP, MI 48048



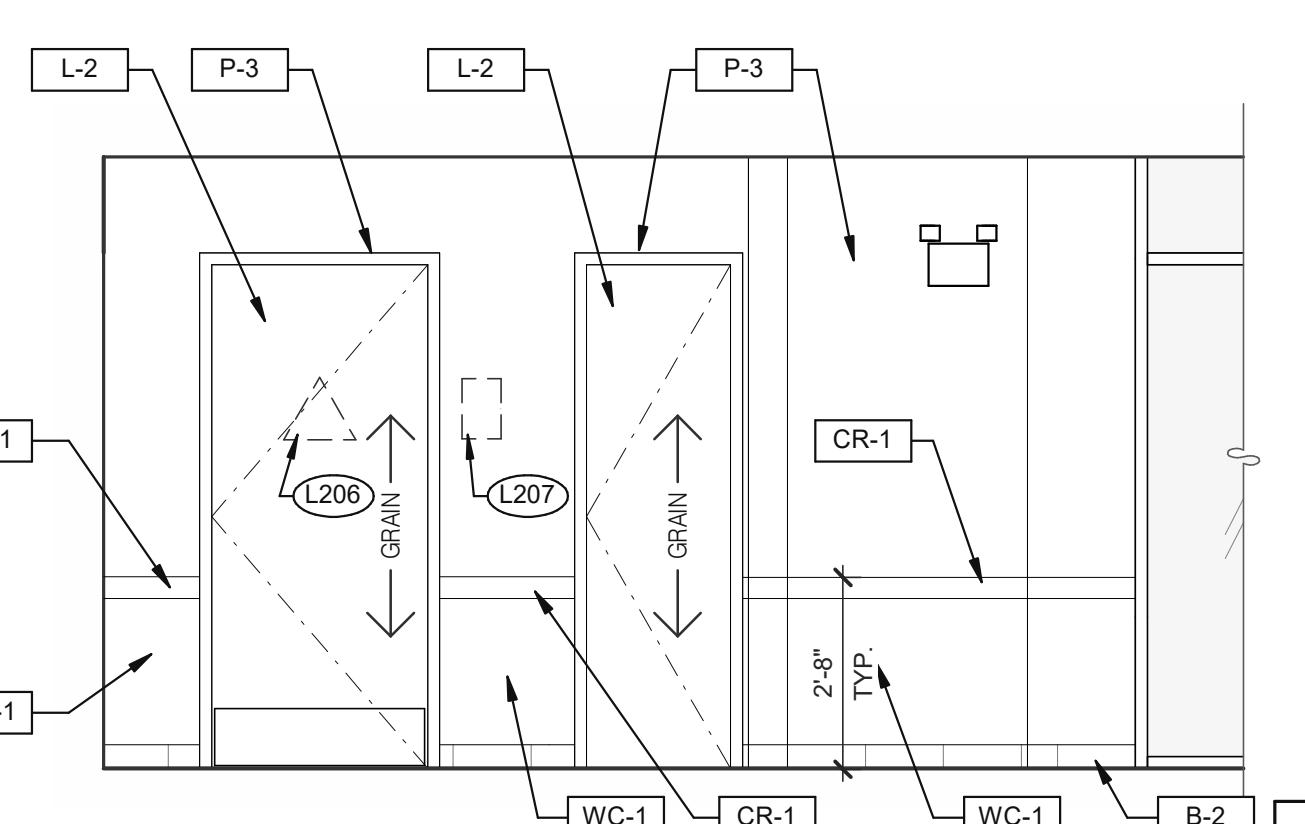
ENDEAVOR 2.0
INTERIOR
ELEVATIONS
DINING ROOM

A8.0

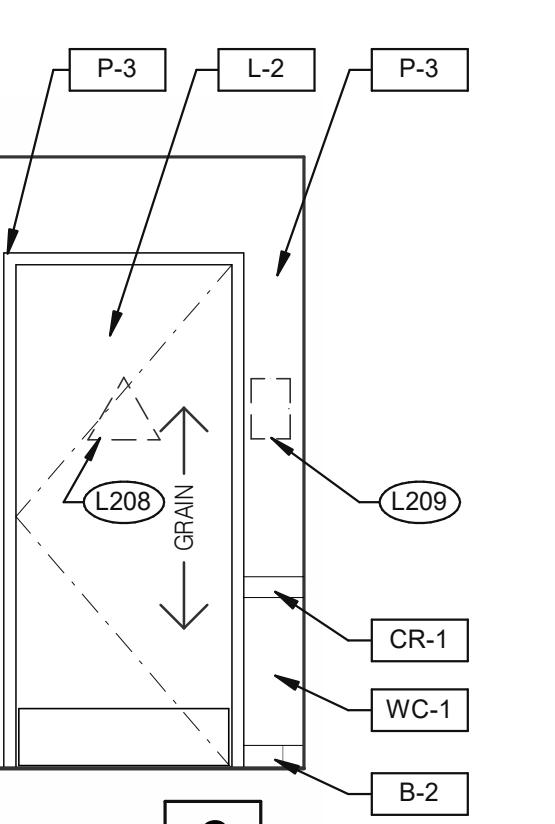
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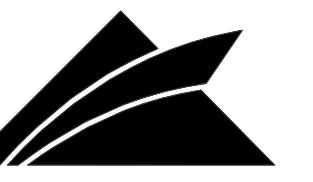


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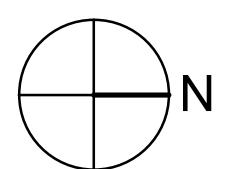
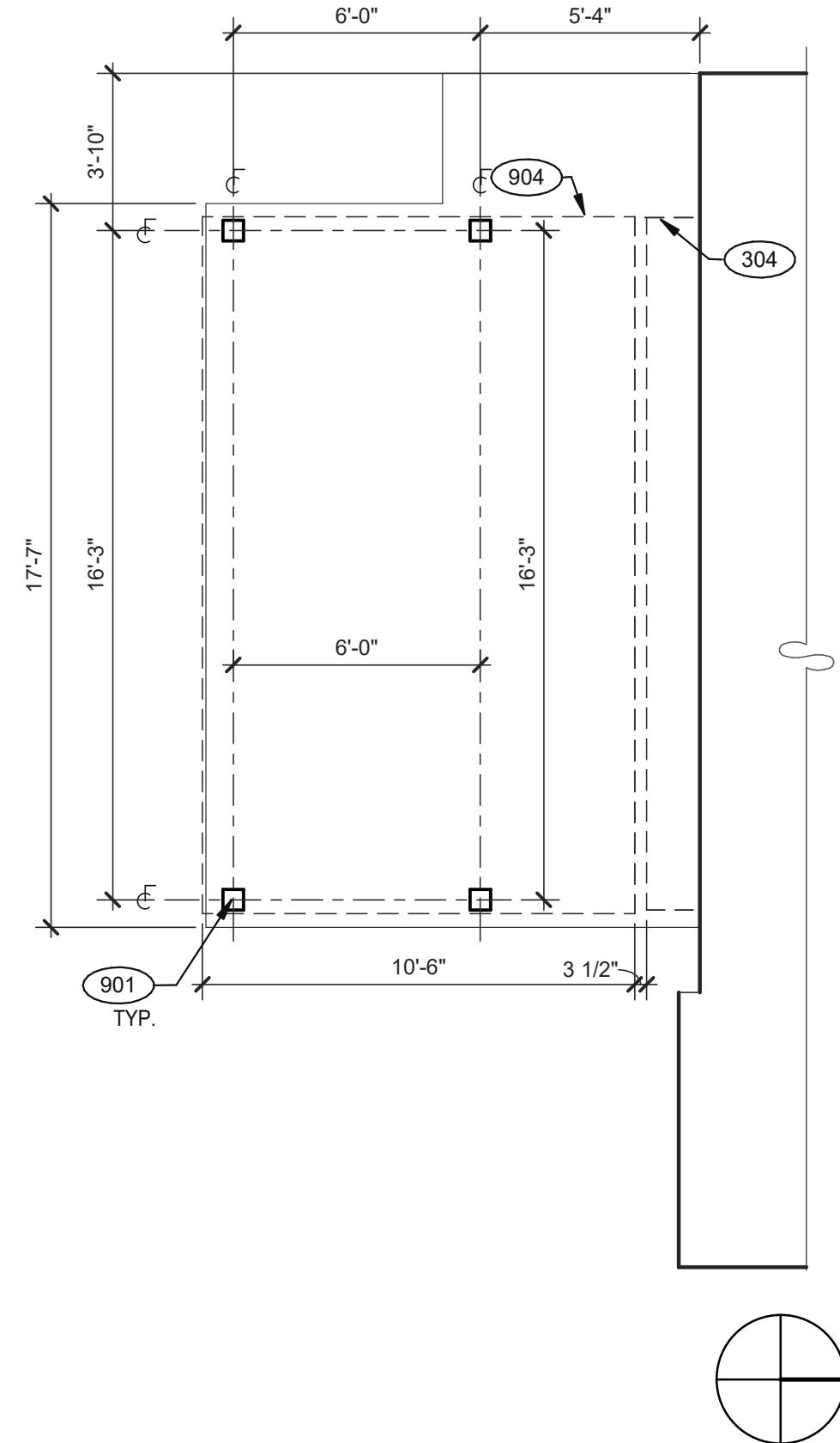
PASSAGE 3/8" = 1'-0"

KEYNOTES

A



GPD GROUP
Professional Corporation



This technical diagram illustrates a corner detail for a standing seam panel. The panel is labeled 'STANDING SEAM PANEL'. A 'SEALANT' strip is applied to the seam. A 'Drip Edge' is attached to the panel. A 'HSS BEAM' and 'HSS COLUMN' are shown at the corner, with a 'HSS CLOSURE PLATE' connecting them. A 'STEEL CLIP' secures the plate. A '1 1/2"' dimension is indicated for the gap between the HSS beam and the column. A '1/2" PER FOOT' dimension is shown for the slope of the panel. The panel is 'POWDER COAT PAINTED TO MATCH PANTONE BLACK - RAL 9011, TYP.'. A 'DOUBLE BEAD TAPE SEALANT' is applied to the seam. A 'STEEL TUBE BLOCKING' is mentioned in the text, with a reference to 'STRUCTURAL DWGS.'.

1X STEEL TUBE BLOCKING
SEE STRUCTURAL DWGS.

STANDING SEAM PANEL

SEALANT

#12-14 x 1 1/4" SD XL

2x4 HSS CLOSURE PLATE
STRUCTURAL DWGS.

1/2" PER FOOT

DRIP EDGE

DOUBLE BEAD TAPE SEALANT

1 1/2"

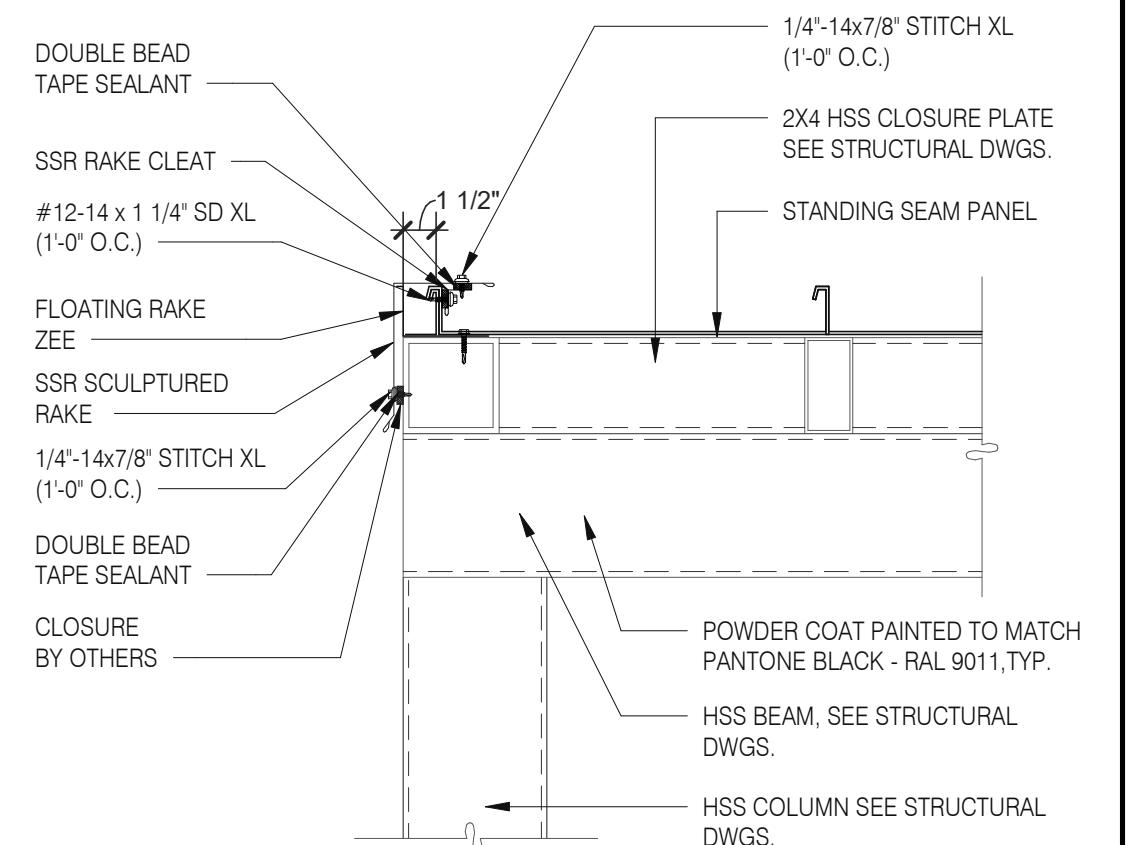
POWDER COAT PAINTED TO MATCH
PANTONE BLACK - RAL 9011, TYP.

HSS BEAM, SEE
STRUCTURAL DWGS.

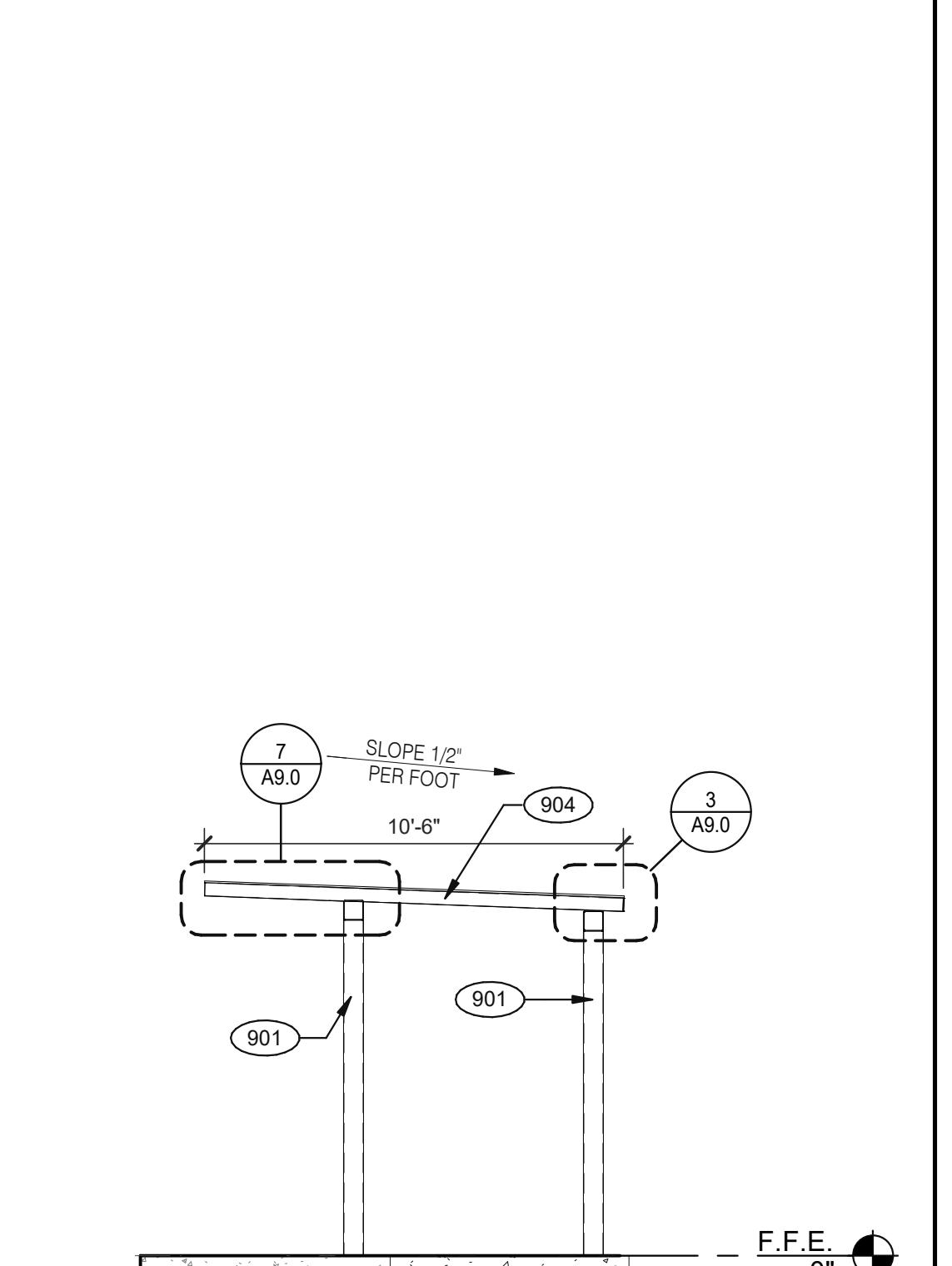
STEEL CLIP SEE
STRUCTURAL DWGS.

HSS COLUMN SEE
STRUCTURAL DWGS.

STANDING SEAM DETAIL @ FRONT 1 1/2" = 1'-0" 3

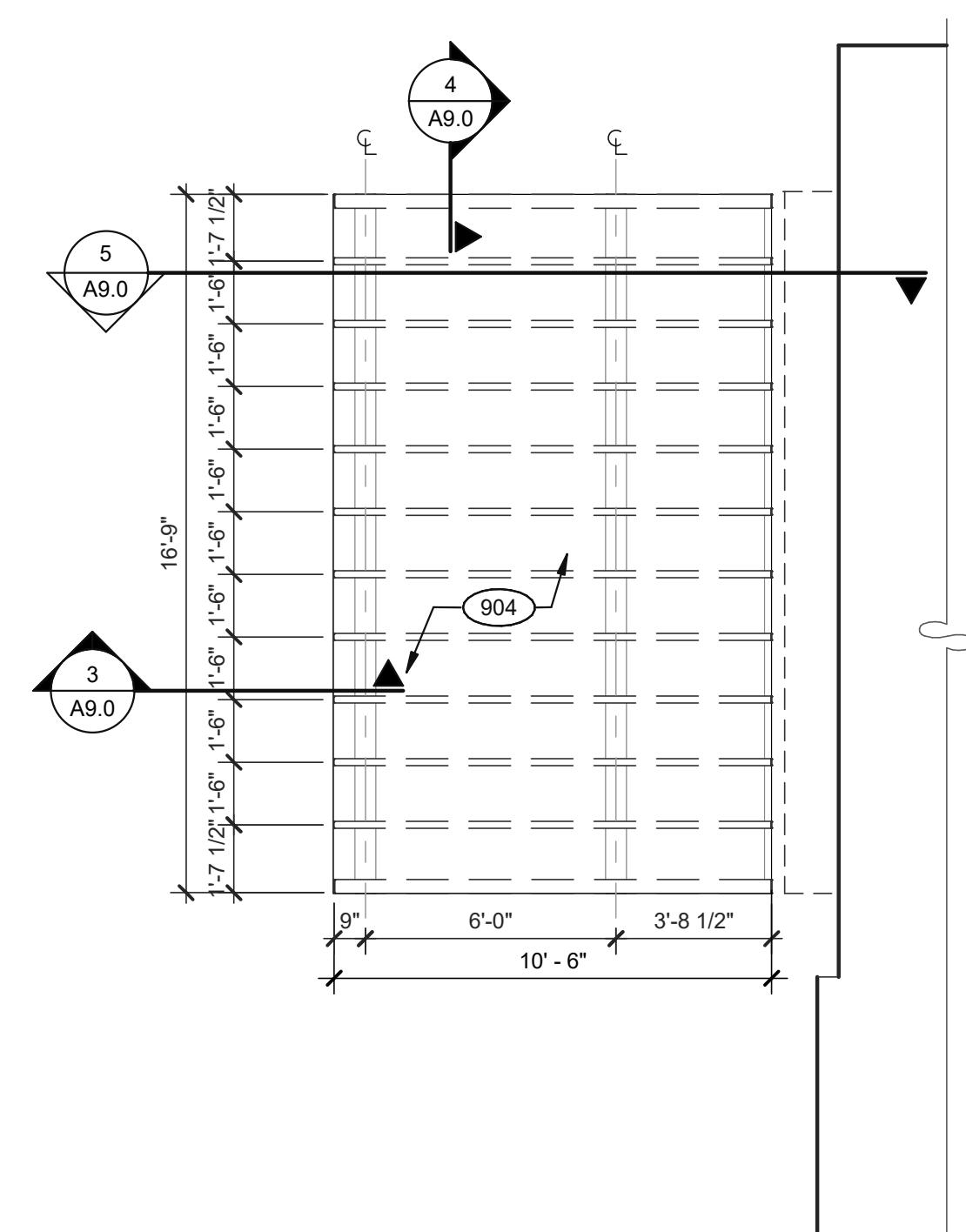


STANDING SEAM DETAIL @ EDGE 1 1/2" = 1'-0" 4



SECTION AT PATIO CANOPY 1/4" ≡ 1'-0" 5

PATIO PLAN 1/4" = 1'-0"



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued For Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
LAND DESIGNER: DICKSON
FILE NUMBER: 314161
CORE NUMBER: 452611
/PM: SM
AWN BY.:
B NO.: 2019088.28

36505 26 MILE RD.
LENOX TWP. MI 48048

ENDEAVOR 2.0

PATIO DETAILS

A9.0

OT DATE: 1/18/2022 3:32:08 PM

1X STEEL TUBE BLOCKING
SEE STRUCTURAL DWGS.

STANDING SEAM PANEL

SLOPE 1/2"
PER FOOT

2x4 CLOSURE PLATE
STRUCTURAL DWGS.

DRIP EDGE

DOUBLE BEAD
TAPE SEALANT

STEEL CLIP SEE
STRUCTURAL DWGS.

HSS COLUMN SEE
STRUCTURAL DWGS.

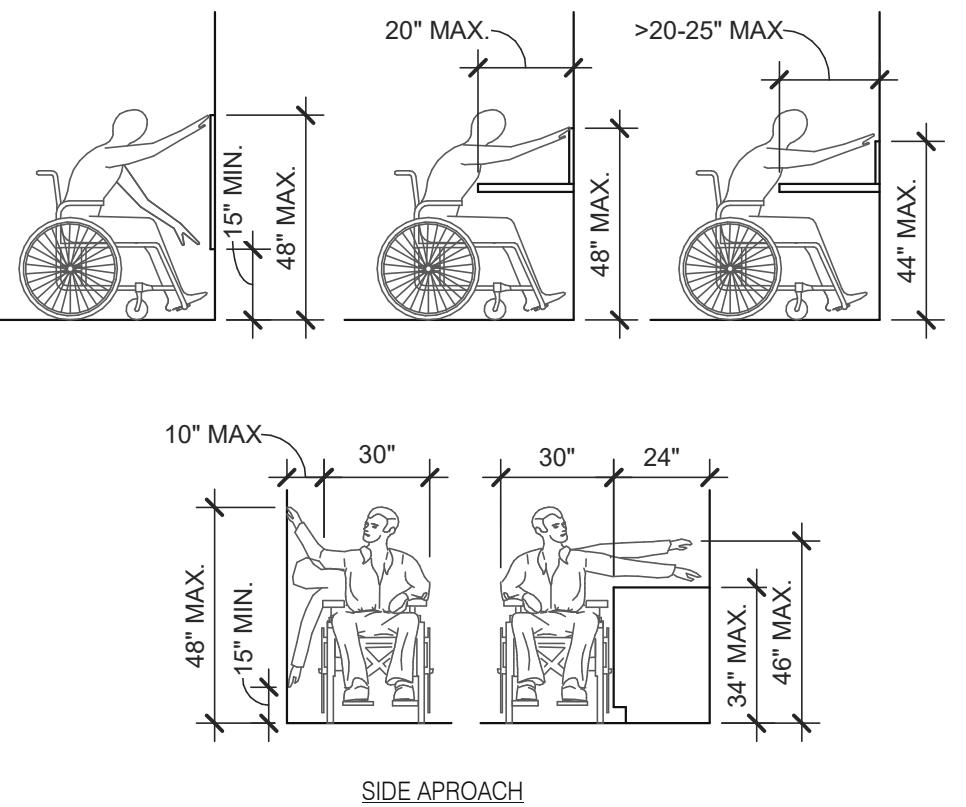
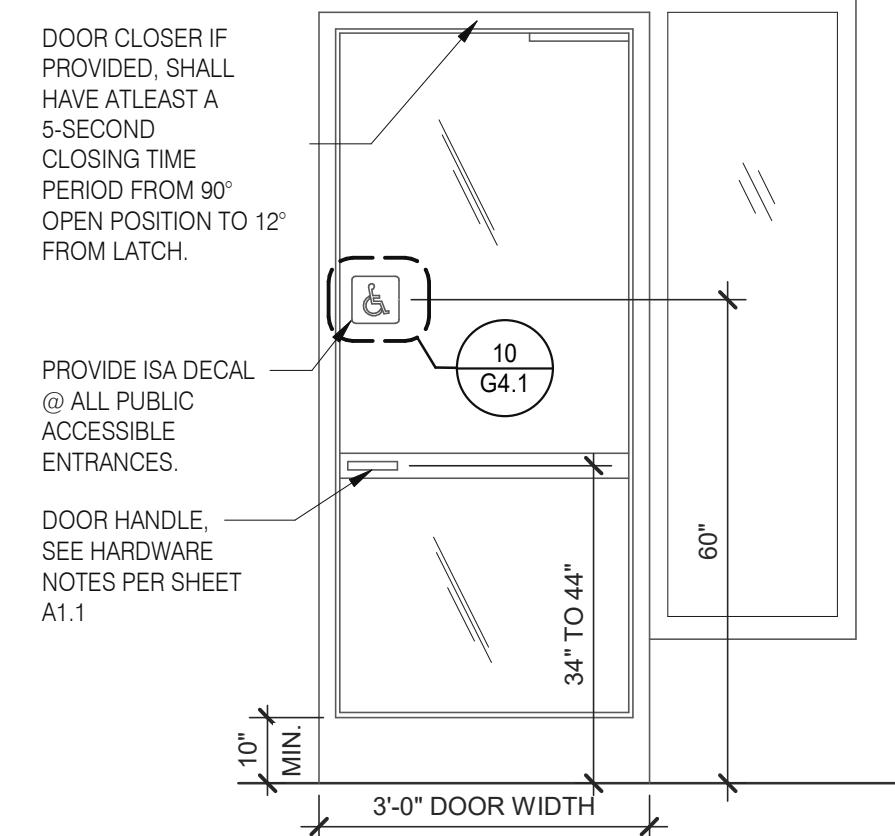
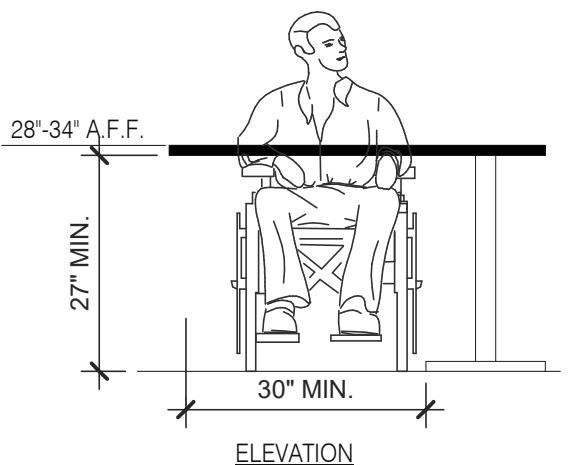
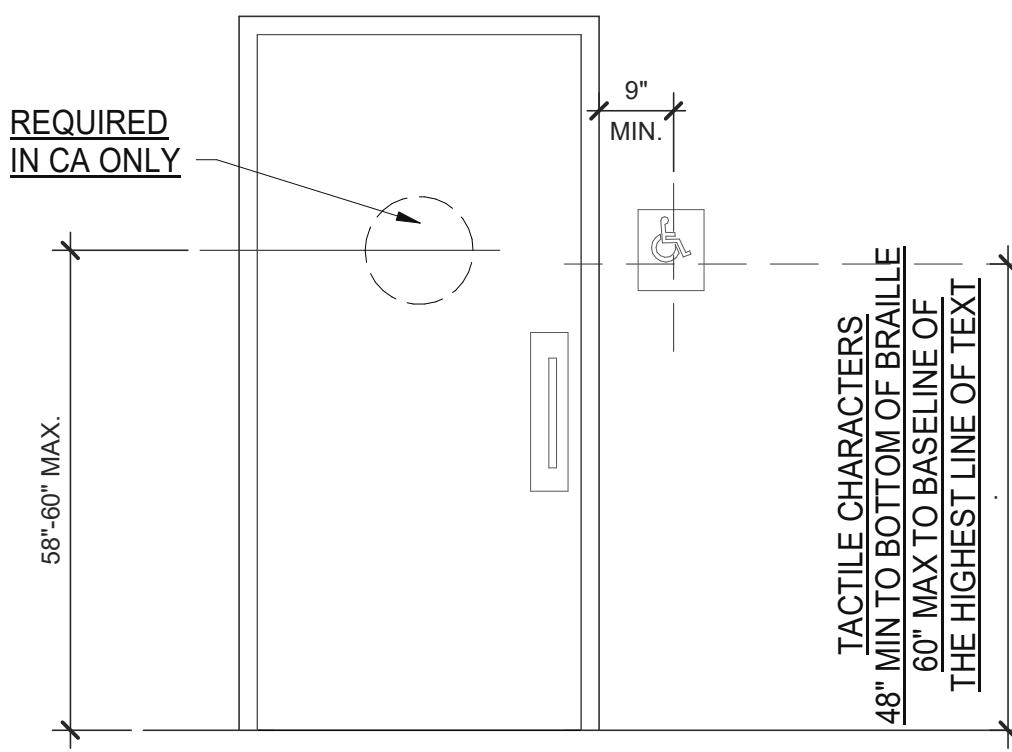
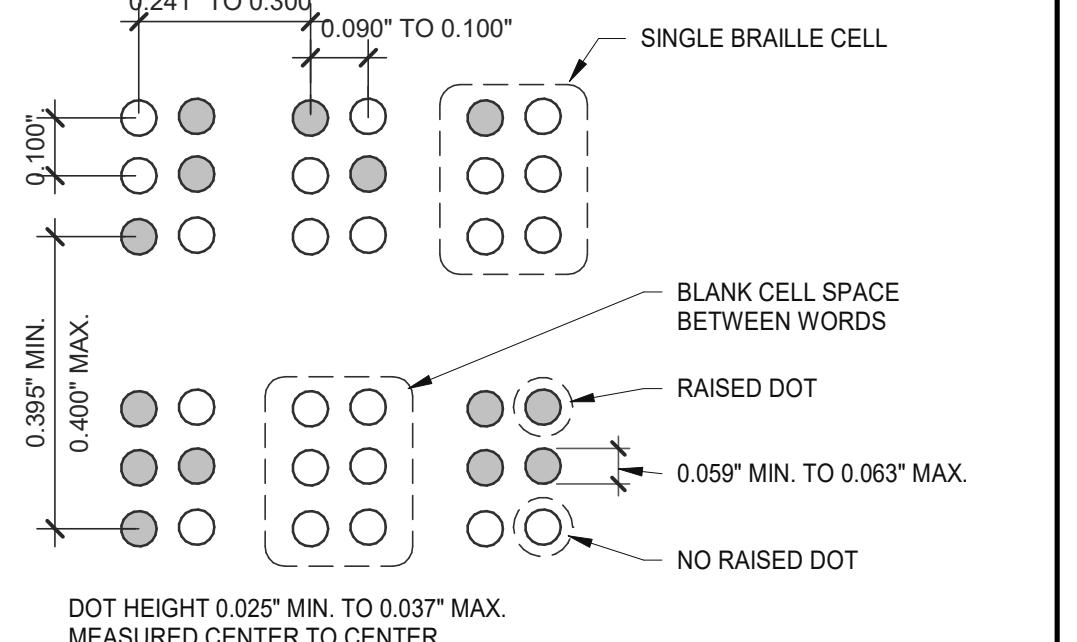
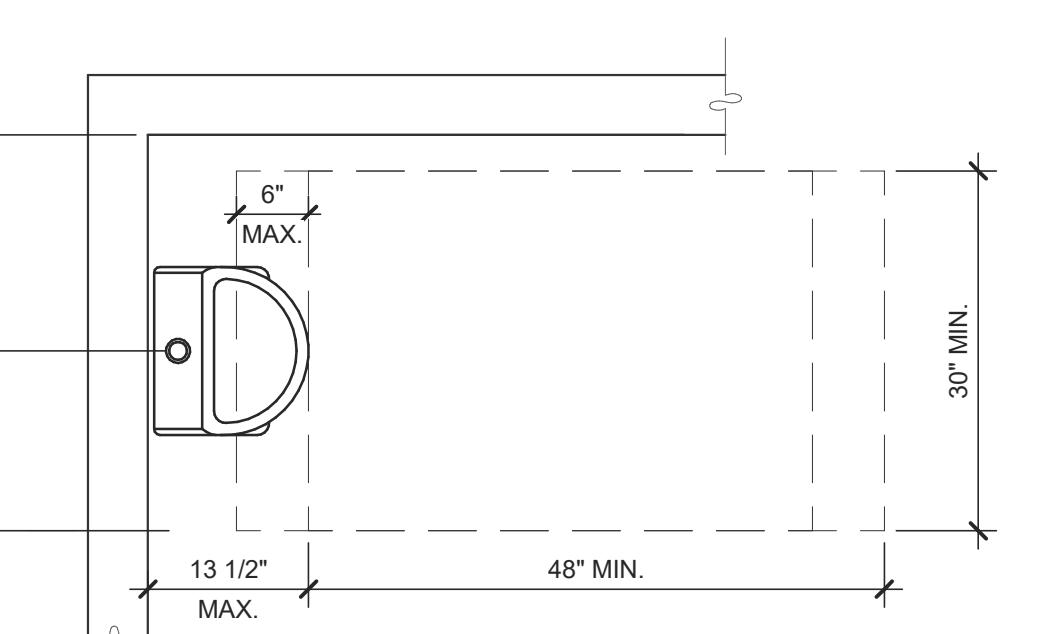
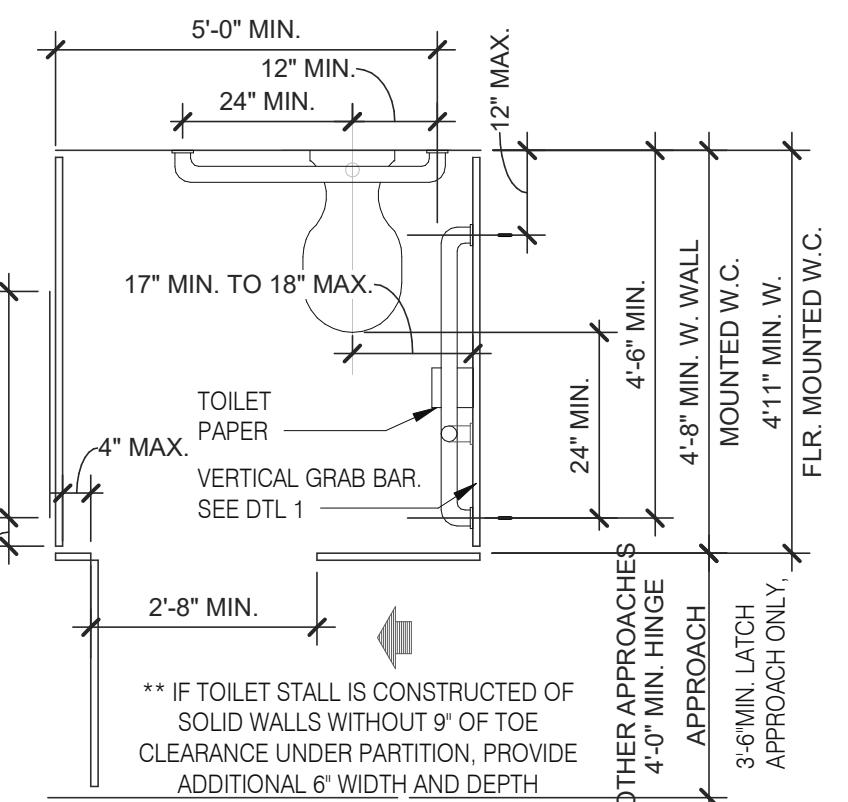
STANDING SEAM AT CANTILEVER $1\frac{1}{2}'' = 1\text{'-0"}$

KEYNOTES:

304 CANOPY, BY SIGNAGE VENDOR. SEE SCOPE OF WORK.
901 CANOPY COLUMN. SEE STRUCTURAL DRAWINGS.
904 PATIO CANOPY, PROVIDED AND INSTALLED BY G.C. SEE SHEET A9.0 FOR DETAILS.

TOTAL SEATS	ACCESSIBLE SEATS
1 - 20	1
21 - 40	2
41 - 60	3
61 - 80	4
81 - 100	5
101 - 120	6
121 - 140	7

NUMBER OF ACCESSIBLE SEATS

**REACH RANGES** $1/4" = 1'-0"$ **13****SEATING AND TABLES** $1/2" = 1'-0"$ **18****TYP. ENTRANCE / EXIT DOOR** $3/8" = 1'-0"$ **14****INT. ACCESS. ROUTE CLEARANCES** $1/2" = 1'-0"$ **10****ACCESSIBLE URINAL** $3/4" = 1'-0"$ **6****STANDARD TOILET STALL** $1/2" = 1'-0"$ **2**

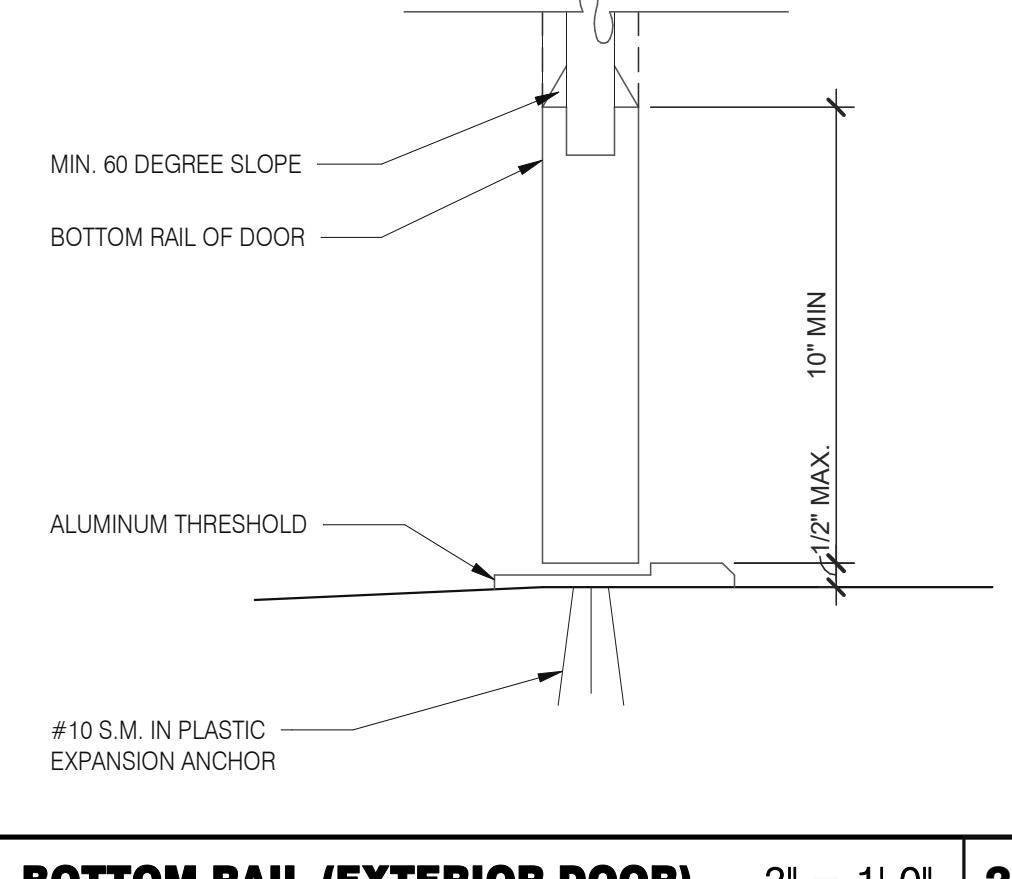
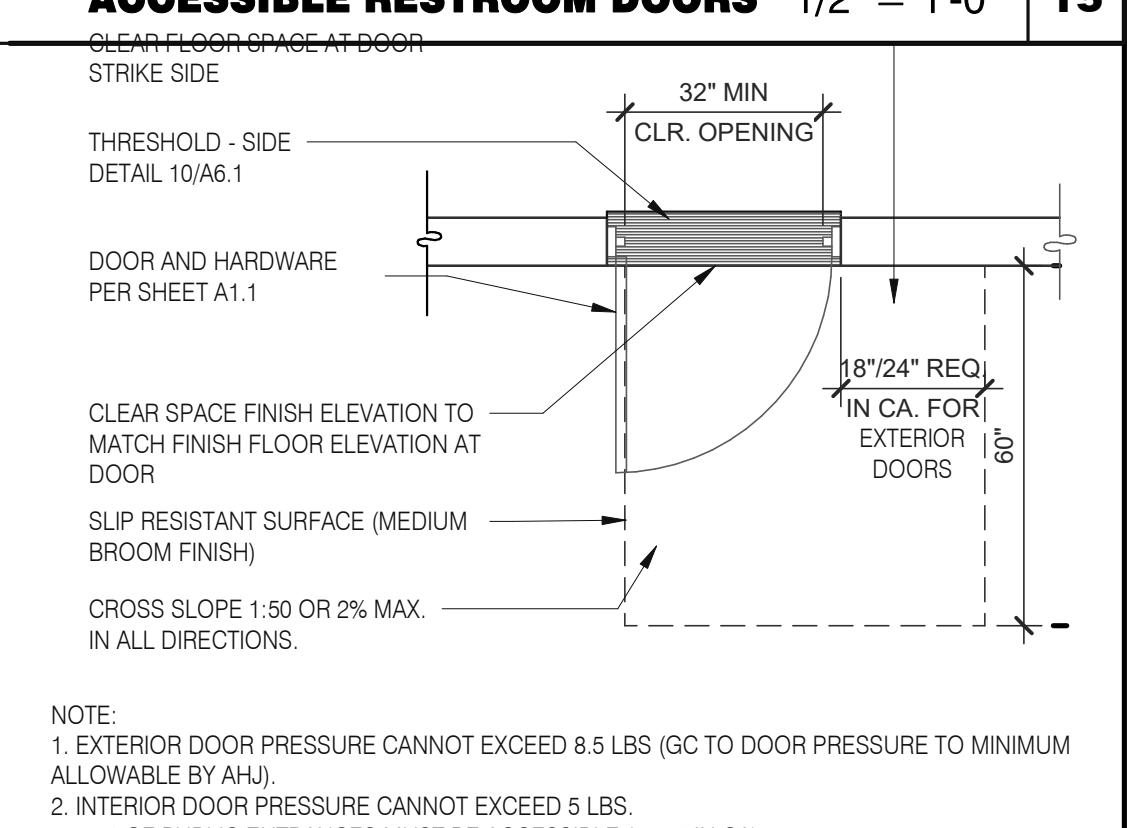
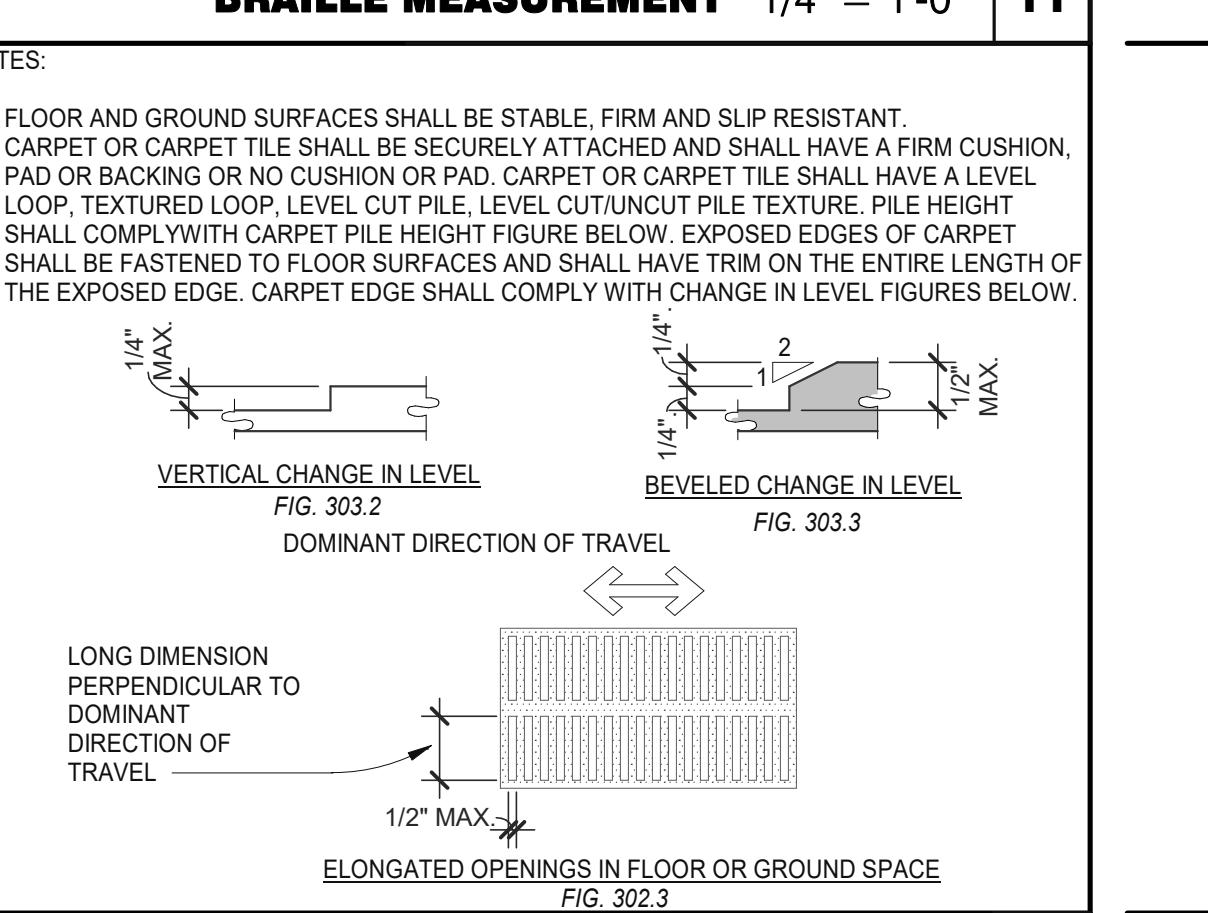
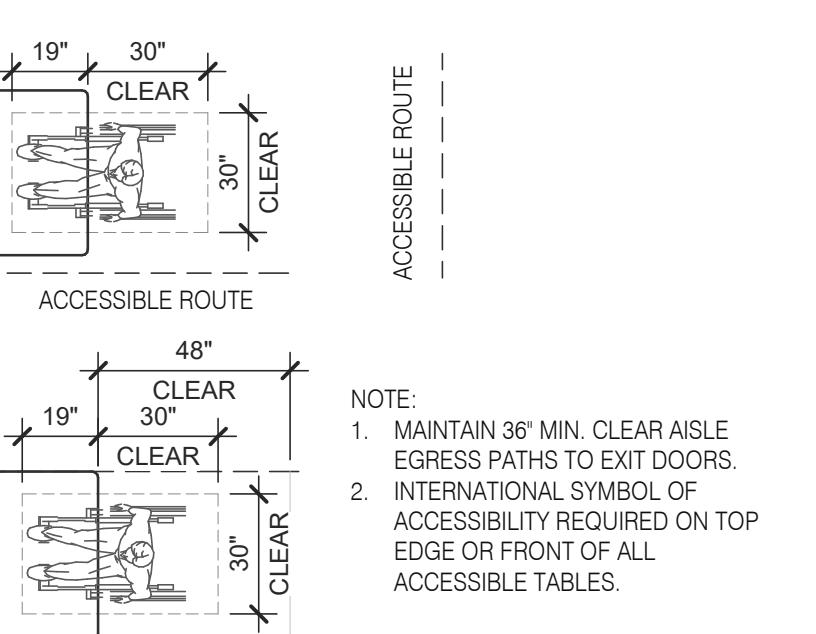
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 DRAWN BY: RS
 JOB NO.: 2019088.28

36505 26 MILE RD.
LENOX TWP, MI 48048
ENDEAVOR 2.0
ACCESSIBILITY
REQUIREMENTS

ADA1.0

PLOT DATE: 1/18/2022 3:44:41 PM

**ACCESSIBLE RESTROOM DOORS** $1/2" = 1'-0"$ **15****EXTERIOR DOOR REQUIREMENTS** $3/8" = 1'-0"$ **16****CHANGES IN LEVEL** $1/2" = 1'-0"$ **12****DINING SEATING CLEARANCES** **N.T.S.** **8**

1. INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.

2. 60° TURNING SPACE
 - PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
 - CAN OVERLAP FIXTURE & DOOR CLEARANCE
 - DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"

3. RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"X48" IS PROVIDED BEYOND THE DOOR SWING.

4. TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES.

5. ADAPT TEAM TO VERIFY LOCAL CODE REQUIREMENTS.

GENERAL NOTES **4**

GENERAL:

- LOCATE, CUT AND FRAME ROOF OPENINGS AS SHOWN FOR ALL HVAC EQUIPMENT AND EXHAUST FANS.
- IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENINGS TO ENSURE THAT NO ADDITIONAL OFF-SETS ARE REQUIRED IN THE EXHAUST DUCTWORK. COORDINATE ROOF OPENINGS WITH KITCHEN EQUIPMENT.
- PROVIDE FRAMING REQUIRED FOR DIFFUSER/GRILLE INSTALLATION IN HARD CEILING.

HVAC:

- INSTALLATION SHALL CONFORM TO MECHANICAL AND ENERGY CODES FOR NEW NONRESIDENTIAL BUILDINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- E.C. SHALL PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES AND FINAL CONNECTIONS. REFER TO SHEETS E3.0 - ELECTRICAL POWER PLAN, SHEET E3.2-ELECTRICAL POWER ROOF PLAN, E6.0 - ELECTRICAL DETAILS - TBCCB, E6.1 - ELECTRICAL DETAILS - TBCCB, E7.0 - ELECTRICAL DETAILS, E7.1 - ELECTRICAL DETAILS.
- PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS. EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS SHEETS E6.1 AND E7.1 FOR ADDITIONAL LOW VOLTAGE WIRING AND CONNECTIONS.
- PROVIDE ALL REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF AND CHARGE LINES PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
- HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
- SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED. ALL RETURN AND SUPPLY DUCT RISERS SHALL BE LINED (NOT WRAPPED).
- SUPPLY / RETURN DUCTS SHALL BE RIGID (EXCEPT AS NOTED/INDICATED AS RIGID ON THE DUCT PLAN), WITH THE EXCEPTION OF THE LAST 5'-0", WHICH MAY UTILIZE FLEXIBLE DUCT. ALL EXHAUST DUCT SHALL BE RIGID.
- ROOFTOP UNITS SHALL BE ORDERED WITH FACTORY SUPPLIED AND INSTALLED RETURN SMOKE DETECTORS. WHEN REQUIRED BY MANUFACTURER, SAMPLE TUBE SHALL BE LOCATED PER FIELD INSTALLATION INSTRUCTIONS. DETECTOR SHALL DEACTIVATE ROOFTOP UNIT UPON SENSING SMOKE. INCLUDE SUPPLY SMOKE DETECTOR ONLY IF REQUIRED BY LOCAL CODE.
- HOOD EXHAUST DUCTS SHALL BE RIGID 16 GA MINIMUM, WELDED DUCT. GRIND ALL WELDS SMOOTH. PROVIDE 3M FIRE BARRIER DUCT WRAP FOR ALL HOOD EXHAUST DUCTS. PROVIDE TRANSITION AT TERMINATION OF TYPE 1 EXHAUST DUCT TO TOP OF FAN BASE. TRANSITION SHALL BE CENTERED AND HAVE MINIMUM OF 1" PER FOOT SLOPE.
- BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT BRANCH FEEDER. DAMPER SHALL BE MINIMUM 26 GAUGE LOCATED IN DEDICATED SLEEVE WITH AXLE AND LOCKING QUADRANT. DAMPERS SHALL NOT BE INSTALLED IN STARTER COLLARS. ALL DAMPER HANDLES SHALL HAVE A FLAG ON THE HANDLE FOR LOCATION PURPOSES.
- OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND VENTS.
- SEE M1.0 AND SCOPE OF WORK FOR DESCRIPTION OF HVAC PACKAGE TO BE PURCHASED THROUGH YUM! BRANDS NATIONAL CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING HVAC TEST & BALANCE REQUIRED FOR LOCAL AUTHORITY HAVING JURISDICTION, CERTIFICATE OF OCCUPANCY, BUILDING FINAL, ETC.
- FINAL HVAC SYSTEM TESTING AND BALANCING, AND COMMISSIONING SHALL BE PERFORMED BY INDEPENDENT AGENT. INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER IS SCHEDULED AND PAID FOR (FRANCHISEE STORES) BY GENERAL CONTRACTOR (CORPORATE STORES ARE DIRECT BILLED TO TACO BELL). CONTRACTOR SHALL CERTIFY COMPLETION OF INSTALLATION, START UP AND PRE-COMMISSIONING CHECKLIST SHOWN ON SHEET SW2.0 BEFORE SCHEDULING OWNER'S INDEPENDENT AGENT. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENT'S ARRIVAL, EQUIPMENT NOT WIRED, COMPLETED, STARTED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM / STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES, OWNER WILL REQUEST A RE-TEST AND THE COST SHALL BE INCURRED BY THE GENERAL CONTRACTOR.

INDEPENDENT AGENTS:

Air Care Experts
TAG@ACE-IAQ.COM
949 770-2222

17. WIRE ALL SMOKE DETECTORS IN RTU TO ITS RESPECTIVE REMOTE ANNUNCIATOR/RESET SWITCH. INSTALL "SYSTEM SENSOR" MODEL RTS2AOS. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER SPECIFICATIONS.

18. REFERENCE RTU TO TBCCB CONNECTIONS PER E6.1.

19. RTU MANUFACTURER FURNISHED THERMOSTATS SHALL BE CAPABLE OF RECEIVING AN EXTERNAL "OCCUPIED" SIGNAL.

20. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.

21. REFERENCE RTU TO TBANS CONNECTIONS PER E7.1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.

22. LOW VOLTAGE CONNECTIONS TO SMOKE DETECTORS, REMOTE ANNUNCIATORS AND RESETS, HUMIDISTATS, THERMOSTATS, REMOTE SENSORS, TBCCB AND TBANS REQUIRE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT CERTIFY@ACE-BCX.COM OH 949 770 2222 FOR CERTIFICATE. SEE SHEET SW2.0 CERTIFICATE.

MECHANICAL NOTES

6

SYMBOL & ABBREV.	DESCRIPTION
	SA/SUP SUPPLY AIR (RISE/DROP)
	RA/RET RETURN AIR DUCT (RISE/DROP)
	EA/EXH EXHAUST AIR DUCT (RISE/DROP)
	CD/SR CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)
	RR/RG RETURN REGISTER/GRILLE
	ER/EG EXHAUST REGISTER/GRILLE
	FLEX FLEXIBLE DUCT (14'-0" MAXIMUM)
	ROUND DUCT ELBOW
	ROUND DUCTWORK
	MCD MANUAL VOLUME DAMPER
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	T-STAT PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE
	TS THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
	H HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
	SD SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT
	D CONDENSATE DRAIN
	DIA. DIAMETER
	MECHANICAL EQUIPMENT DESIGNATION
	RESET SMOKE DETECTOR RESET

MECHANICAL SYMBOLS

7

Zone Identification	Occupancy Category	Zone Floor Area Az (ft ²)	Area Outdoor Airflow Rate Ra (CFM/ft ²)	People Outdoor Airflow Rate Rp (CFM/person)	Occupant Density (#/1000ft ²)	Zone Population Pz (People)	Zone Air Effectiveness EZ	Breathing Zone Outdoor Airflow Vbz (CFM)	Exhaust Rate (CFM/ft ²)	Required Exhaust Airflow (CFM)	Actual Provided Outdoor Airflow (CFM)	Actual Provided Exhaust Airflow (CFM)	Mechanical Unit
BOH	Kitchen (Cooking)	864.0	0.12	7.5	20	7	0.80	195	0.7	604.8	1100	1350	RTU-2/EF-1/EF-2
Dining	Cafeteria/Fast-Food Dining	595.0	0.18	7.5	100	42	0.80	528	0	0	650	0	RTU-1
Corridor	Corridors	104.0	0.06	0	0	0	0.80	8	0	0	25	0	RTU-1
Office	Office Space	60.0	0.06	5	5	1	0.80	11	0	0	25	0	RTU-2
Mens RR	Toilets - Public	60.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		130	RTU-1/EF-2
Womens RR	Toilets - Public	64.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		140	RTU-1/EF-2
Total:		1747.0						741		744.8	1800	1620	

HVAC NATIONAL ACCOUNT NOTES

8

HVAC NATIONAL ACCOUNT NOTES

5

**REFER TO SCOPE OF WORK IN DIV 23
SPECIFICATION FOR HVAC FOR TEST &
BALANCE & COMMISSIONING
REQUIREMENTS WHICH WILL BE SUPPLIED
BY THE OWNER AND COORDINATED BY
THE GC.**

MARK	AREA SERVED	FAN DATA				COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL DATA			WEIGHT (LBS.)	MODEL	NOTES		
		SUPPLY CFM	MIN. OA CFM	ESP	HP	RPM	NOMINAL TONS	MIN CAP (MBH) TOT/SEN	MIN EER	INPUT (MBH)	OUTPUT (MBH)	HEATING STAGES	AUFE %	VOLTS/PH	MCA (A)	MOCP (A)			
RTU-1	DINING	3000	675	0.8	2	878	7.5	93.0/67.9	12.5	180	144	2	80	208/3	42	50	1395	LGH102H4BM	1,2,3,4,5,6,7,8,9,10,11,12,13
RTU-2	KITCHEN	5000	1125	1.0	5	1178	12.5	154.8/116.1	10.8	180	144	2	80	208/3	71	90	1450	LGH150H4BM	1,2,3,4,5,6,7,8,9,10,11,12,13

SCHEDULE NOTES:

- LISTED CAPACITY IS THE UNITS NET COOLING CAPACITY AT THE FOLLOWING CONDITIONS: RTU-1 - 80°F DB / 67°F WB EAT AND 95°F AMBIENT / RTU-2 - 80°F DB / 67°F WB EAT AND 95°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 95°F & 73°F WB, WINTER 0°F. THERMOSTAT SHALL BE PROGRAMMED FOR 73°F IN SUMMER AND 68°F IN WINTER WITH 2°F ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING, LOW AMBIENT CONTROL TO 0 DEG. F AND THROUGH THE ROOF CURB CURB GAS AND POWER CONNECTIONS..
- HINGED ACCESS DOORS (FACTORY PROVIDED).
- 2 INCH MERV 8 FILTER (FACTORY PROVIDED).
- SINGLE ENTHALPY ECONOMIZER/W HOOD (FACTORY PROVIDED).
- HIGH PERFORMANCE ECONOMIZER (FACTORY PROVIDED).
- STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED).
- UNIT MOUNTED DISCONNECT SWITCH (FACTORY PROVIDED).
- RETURN AIR SMOKE DETECTOR (FACTORY PROVIDED).
- PHASE MONITOR (FACTORY PROVIDED).
- CONSTANT AIR VOLUME (FACTORY PROVIDED).
- 14" ROOF CURB (FIELD INSTALLED).
- COMFORT SENSE 7500 THERMOSTAT (FIELD INSTALLED).
- GFCI (FIELD WIRED, FACTORY INSTALLED).

HVAC UNIT SCHEDULE

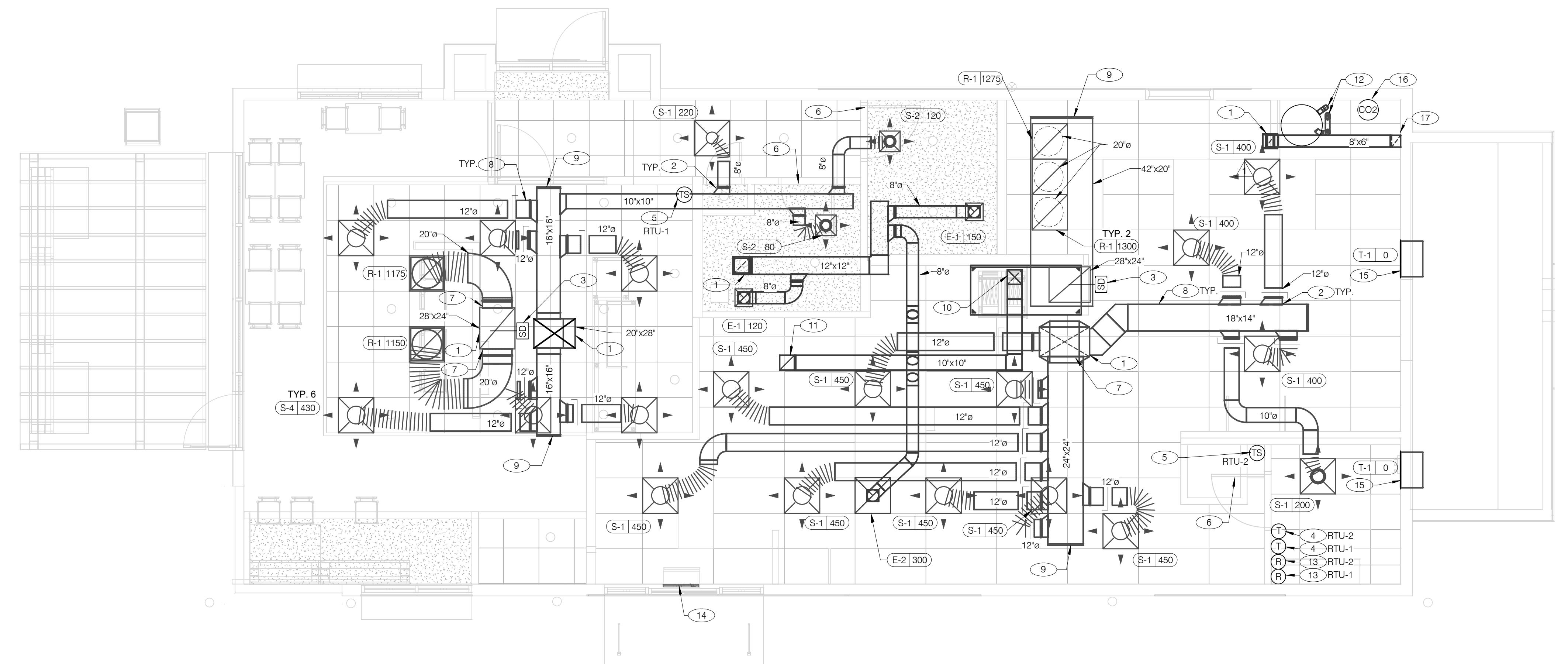
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Mark	FAN DATA				VOLTS/PH	DRIVE TYPE	MANUFACTURER	MODEL	NOTES
	CFM	ESP	RPM	HP					
EF-1	1050	0.9	1344	1/2	120/1	DIRECT	STRATOVENT	#SVDU50HFA	1,3,5,6,7,8,10
EF-2	570	0.375	1025	1/4	120/1	DIRECT	STRATOVENT	#SVDR30HFA	2,4,7,8,9,10,11
EF-3	155	0.26	1300	1/60	120/1	DIRECT	GREENHECK	G-070-G	9, 12, 13, 14

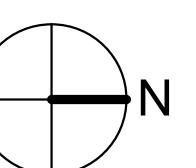
EXHAUST FAN SCHEDULE

2

MARK	NECK SIZE	FACE SIZE OR GRID SIZE	(NO.) & AIR PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	8"X8"	12"X12"	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC53-1/50F</td	



COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.



	DATE	REMARKS
1	09.08.21	Issued for Permit
	11.19.21	Building Dept. Comments
	01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: DJ

JOB NO.: 2019088.28

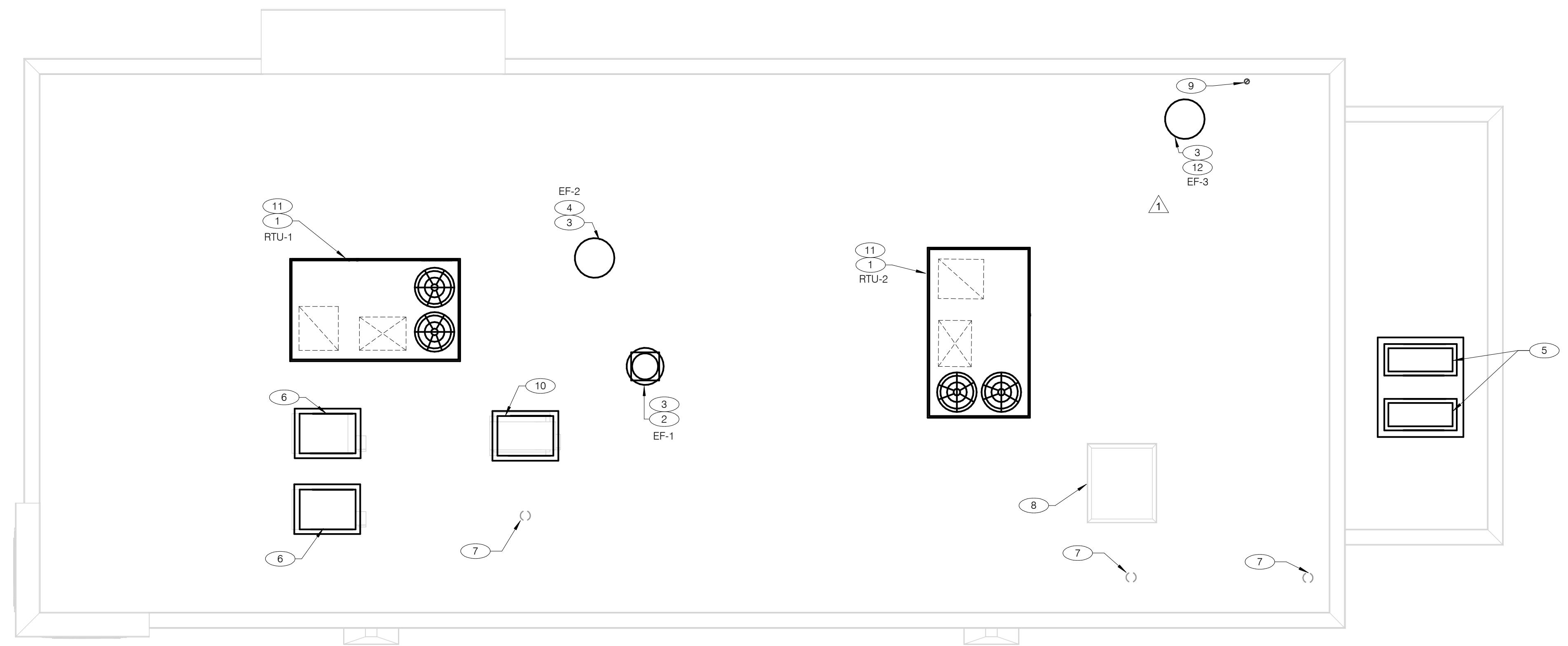
TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

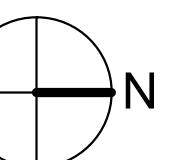
**ENDEAVOR 2.0
DUCT AND
DIFFUSER PLAN**

M2.0

PLOT DATE: 1/19/2022 7:35:29 AM



COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.



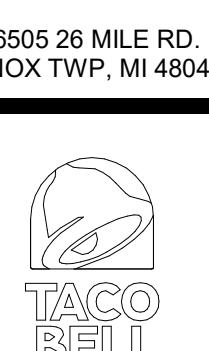
MECHANICAL ROOF PLAN 1/4" = 1'-0" A

- 1 PROVIDE RTU IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS.
- 2 PROVIDE TYPE I EXHAUST FAN IN LOCATION AS SHOWN PLANS. CONNECT 10'x10" EXHAUST DUCT FROM EXHAUST HOOD UP TO EF-1 ON ROOF. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- 3 COORDINATE EXHAUST FAN LOCATION WITH ROOFTOP UNIT. MAINTAIN ROOFTOP UNIT MANUFACTURER'S REQUIRED CLEARANCE AND MINIMUM 10 FT TO ROOFTOP UNITS OUTSIDE AIR INTAKE.
- 4 PROVIDE EXHAUST FAN IN LOCATION AS SHOWN PLANS. CONNECT 10'x10" EXHAUST DUCT FROM RESTROOM EXHAUST GRILLES TO EF-2 ON ROOF. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- 5 CONDENSING UNIT SERVING WALK-IN COOLER/FREEZER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 6 CONDENSING UNIT SERVING ICE MAKER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 7 PLUMBING VENT. REFERENCE 1/P2.0.
- 8 ROOF HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- 9 PROVIDE MANUFACTURER'S CONCENTRIC TERMINATION VENT KIT SERVING HOT WATER HEATER BELOW. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ENSURE AT LEAST 10'-0" DISTANCE BETWEEN OUTDOOR AIR INTAKES.
- 10 CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 11 ALL UTILITY PIPING FOR RTUS SHALL RUN UP THROUGH ROOF INSIDE EACH UNITS ROOF CURB.
- 12 PROVIDE EXHAUST FAN IN LOCATION AS SHOWN ON PLANS. CONNECT 8'x4" EXHAUST DUCT DOWN TO CO₂ TANK EXHAUST. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.

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BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: DJ
JOB NO.: 2019088.28

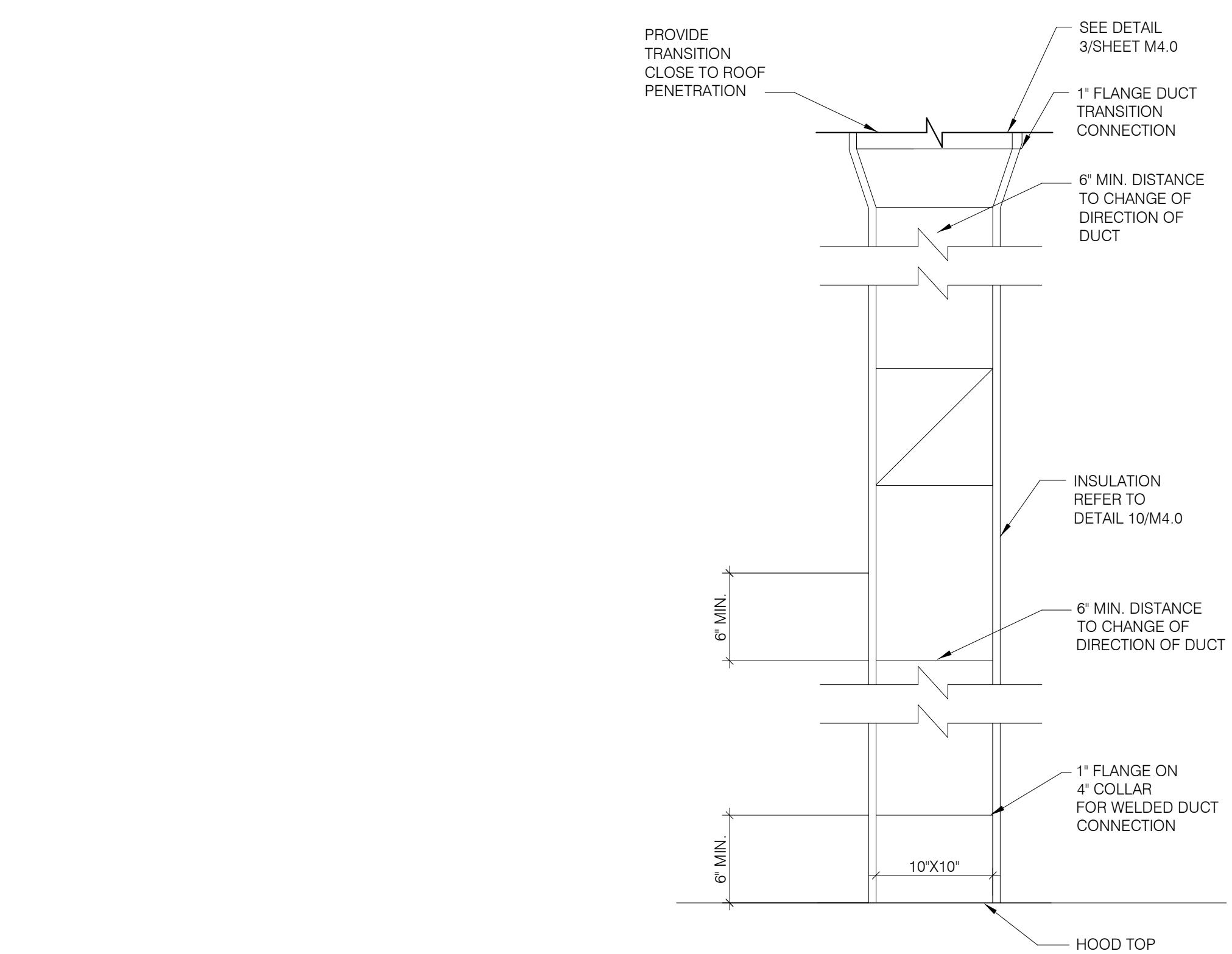
TACO BELL



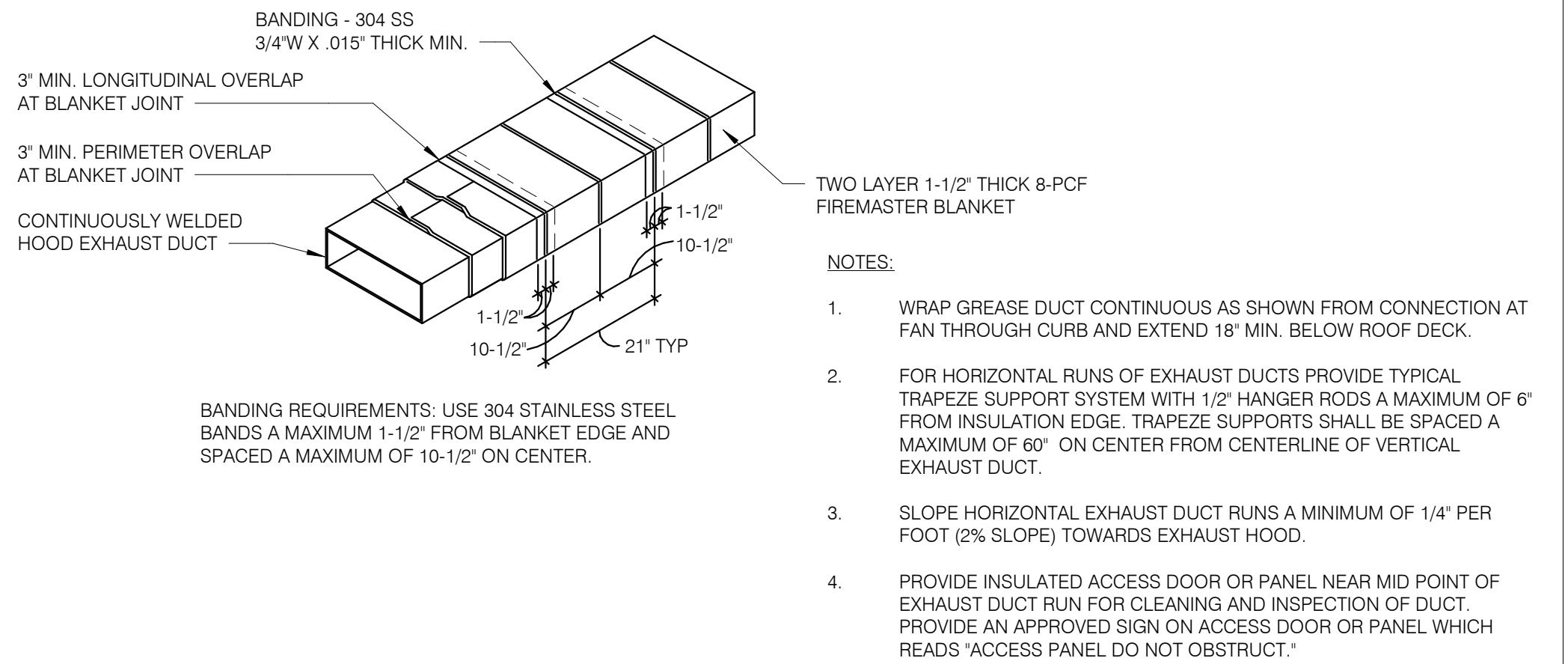
ENDEAVOR 2.0
MECHANICAL ROOF PLAN

M2.1

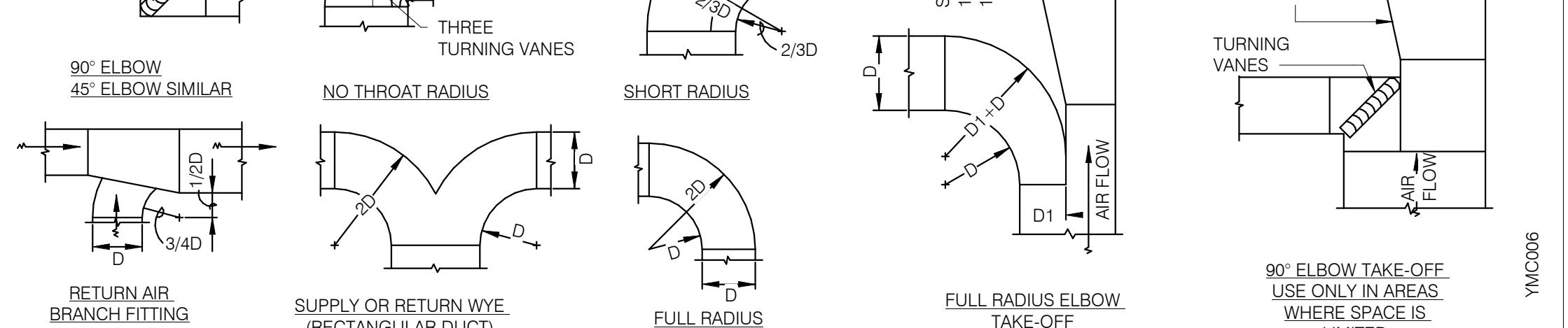
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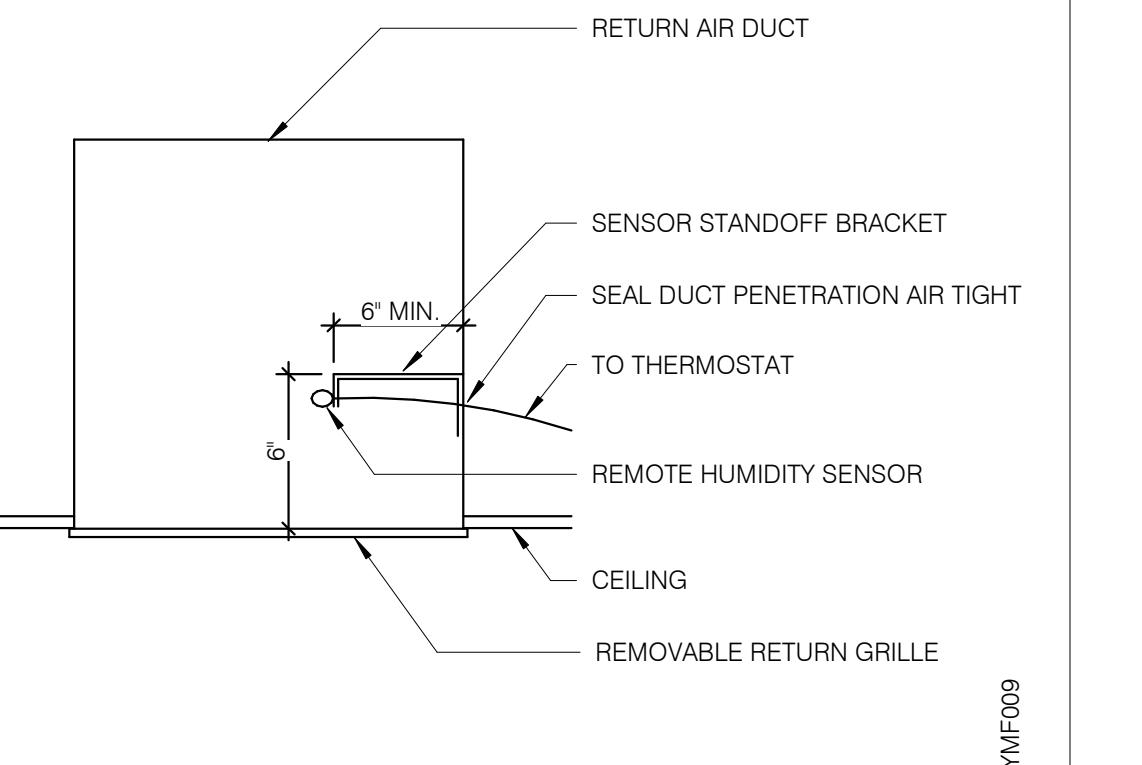
TB HOOD DUCT TRANSITION NTS 11



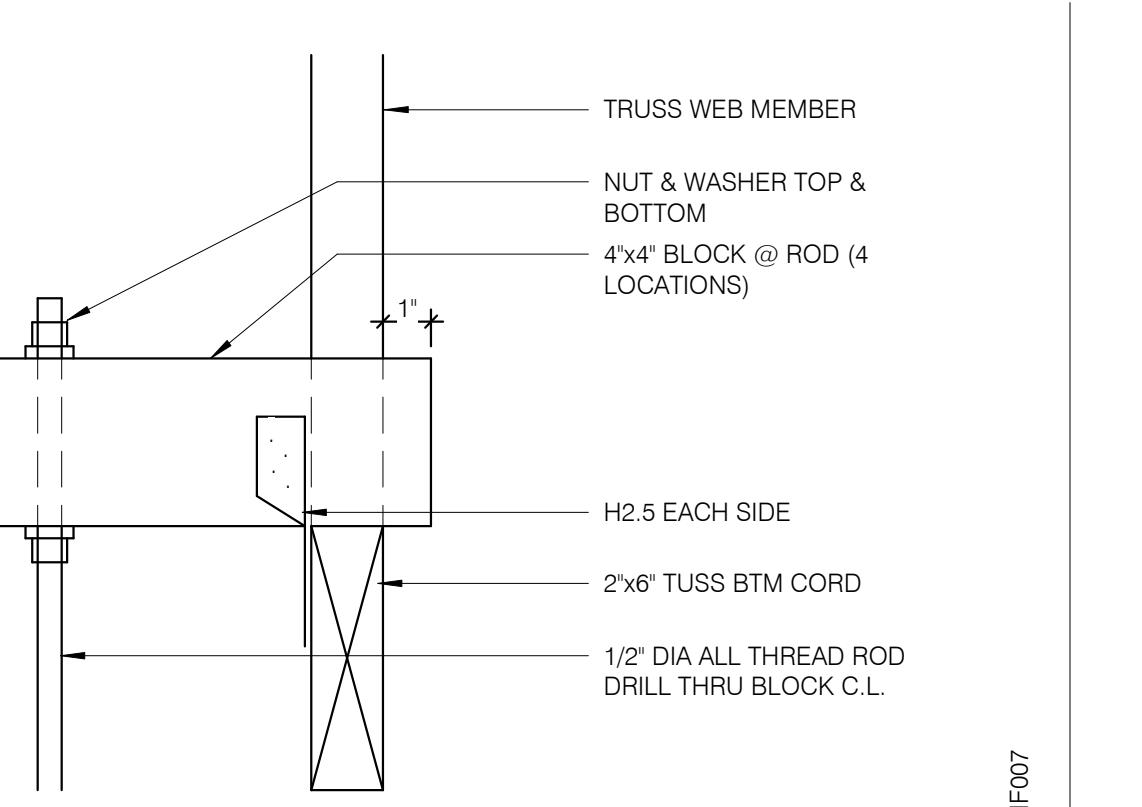
KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL NTS 10



TYPICAL DUCTWORK DETAILS NTS 9



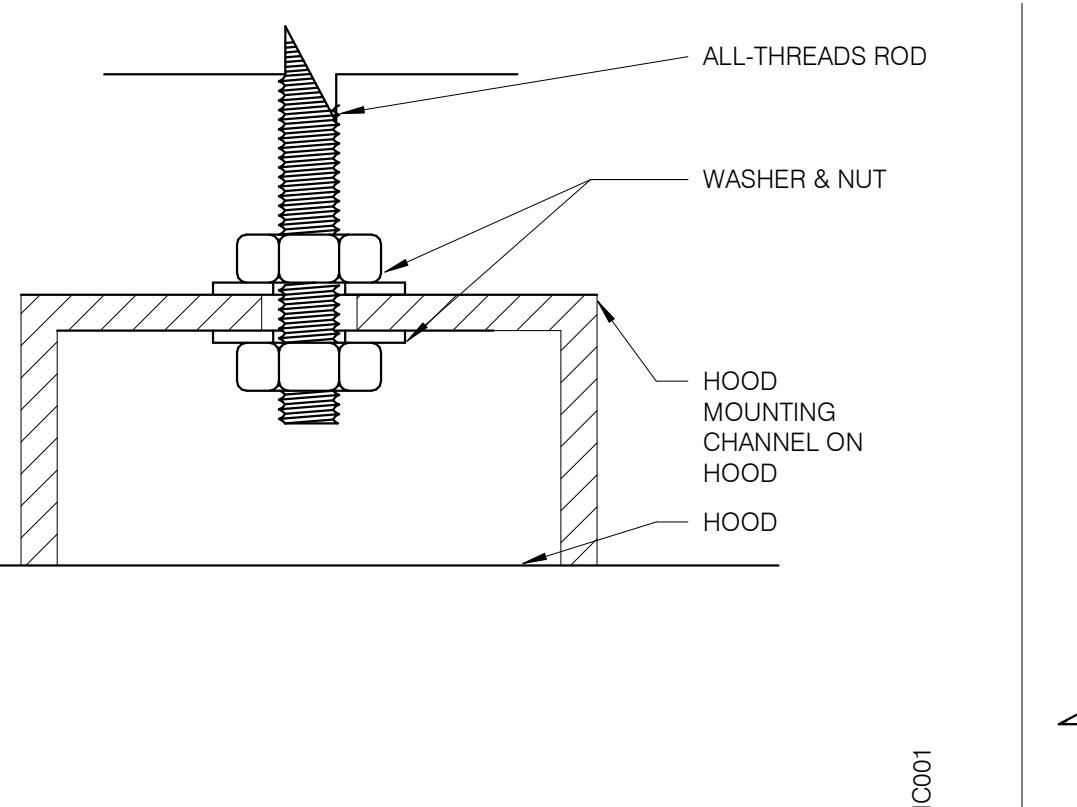
REMOTE HUMIDITY SENSOR NTS 8



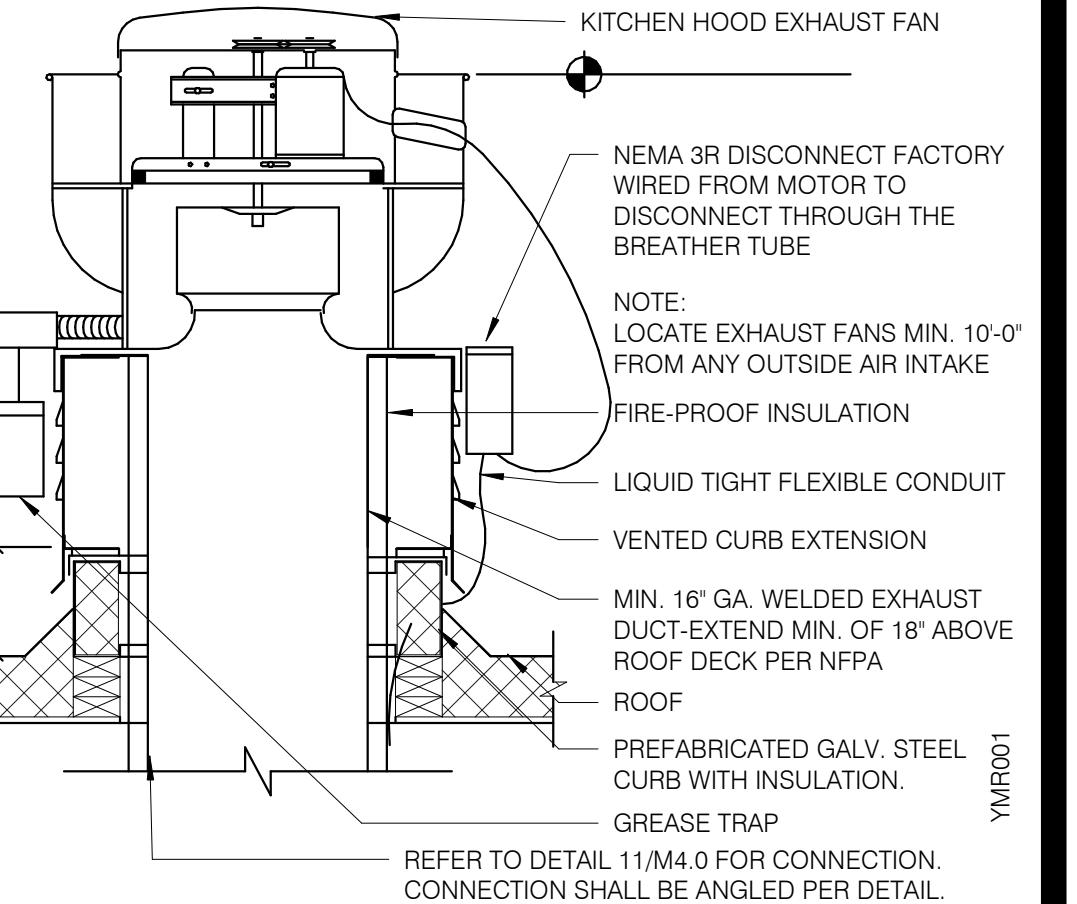
ROD ATTACHMENT NTS 7



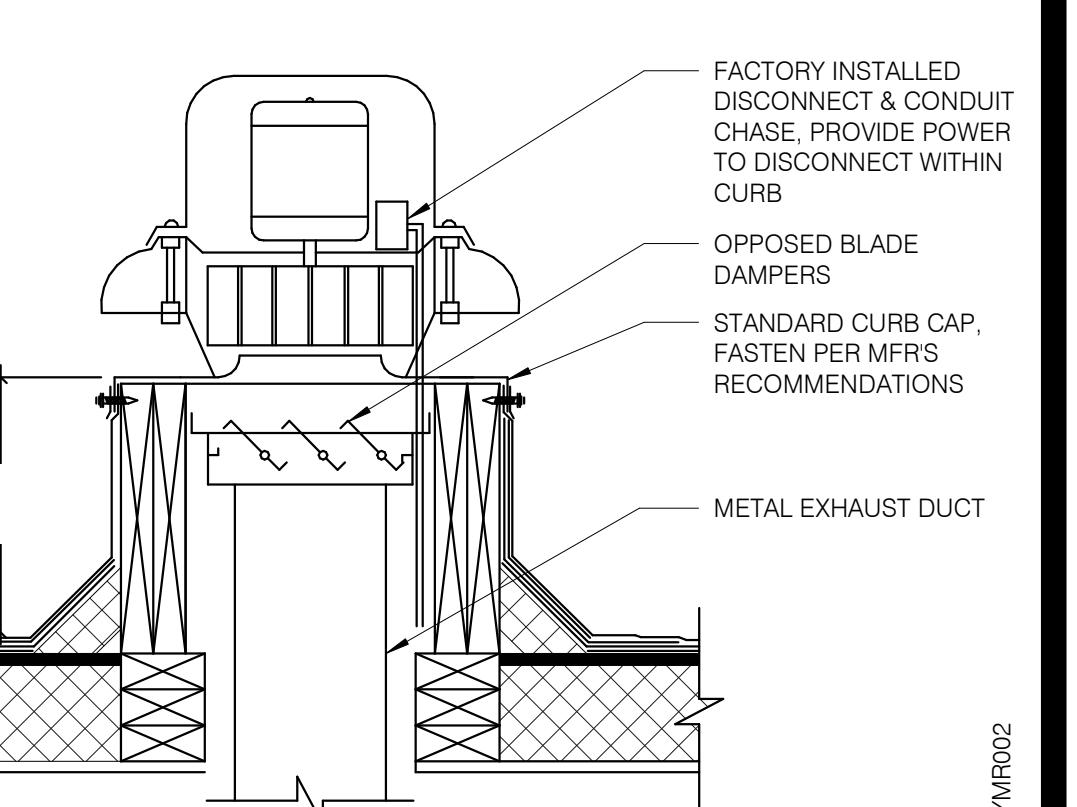
NOT USED NTS 6



BOLT CONNECTION TO HOOD NTS 5



EXHAUST FAN (EF-1) NTS 3



RESTROOM FAN (EF-2) NTS 2

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DRAWN BY: DJ
JOB NO.: 2019088.28

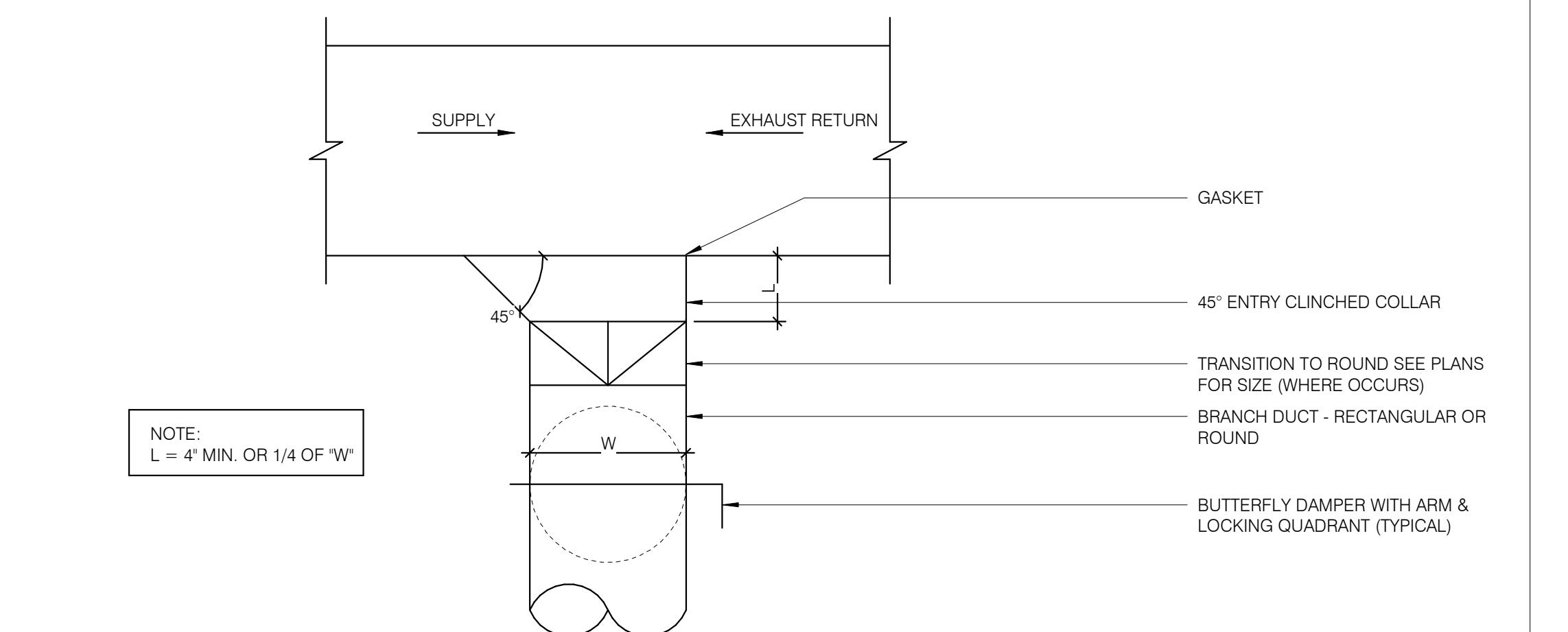
TACO BELL
36505 26 MILE RD.
LENOX TWP, MI 48048



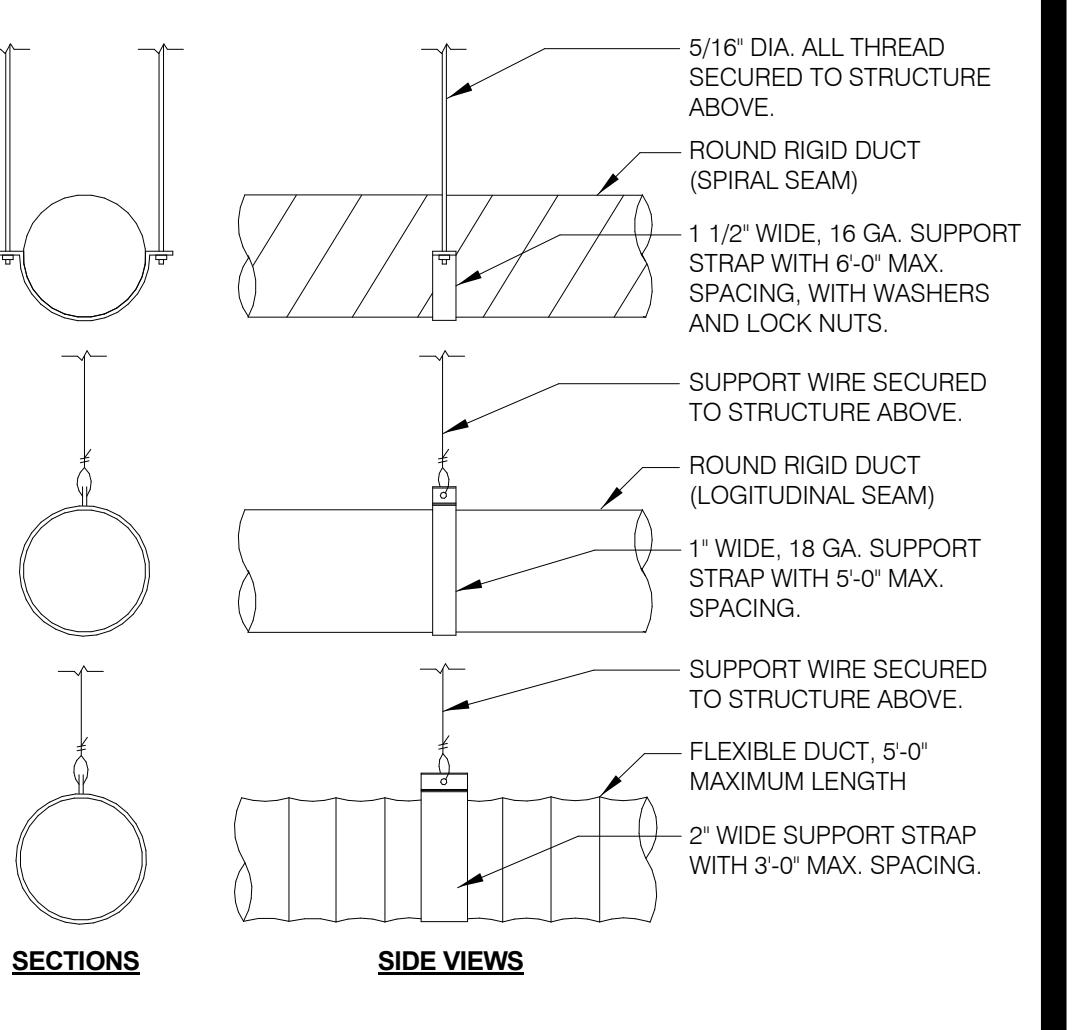
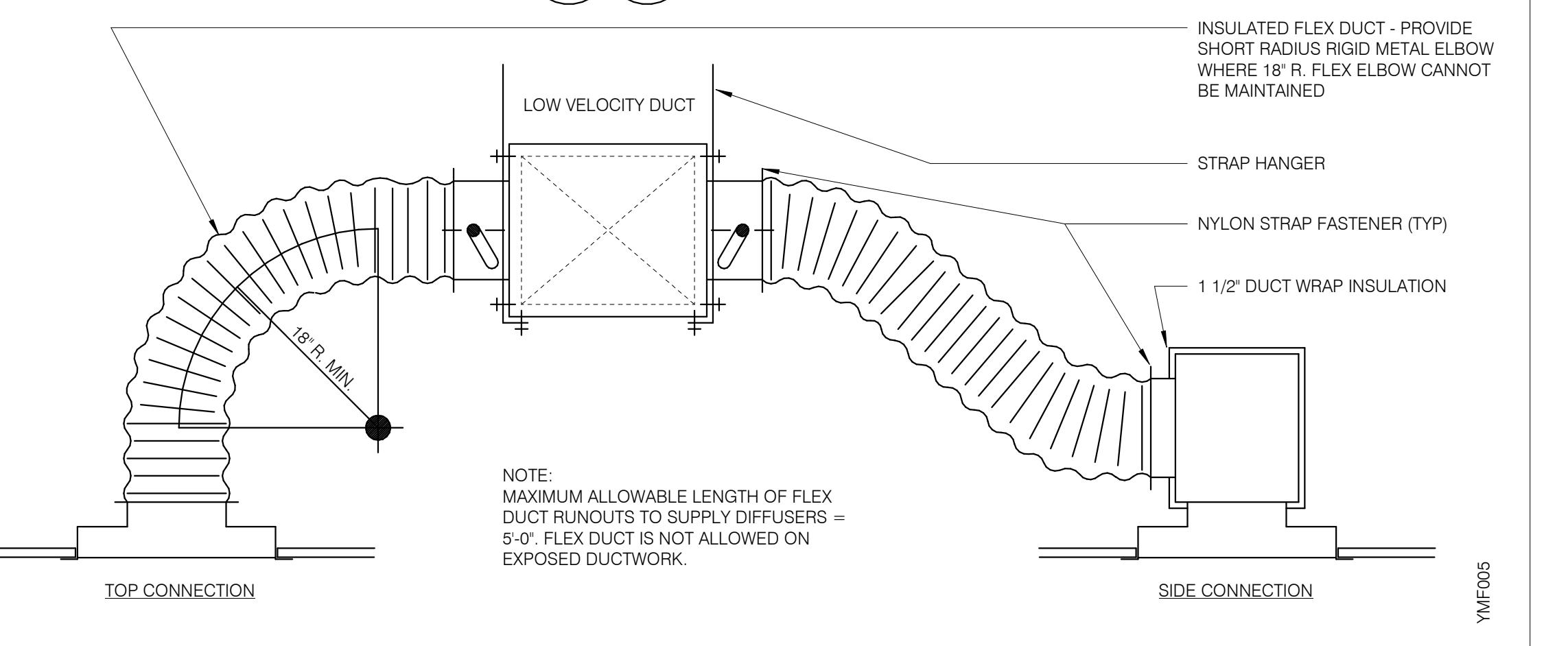
ENDEAVOR 2.0
MECHANICAL DETAILS

M4.0

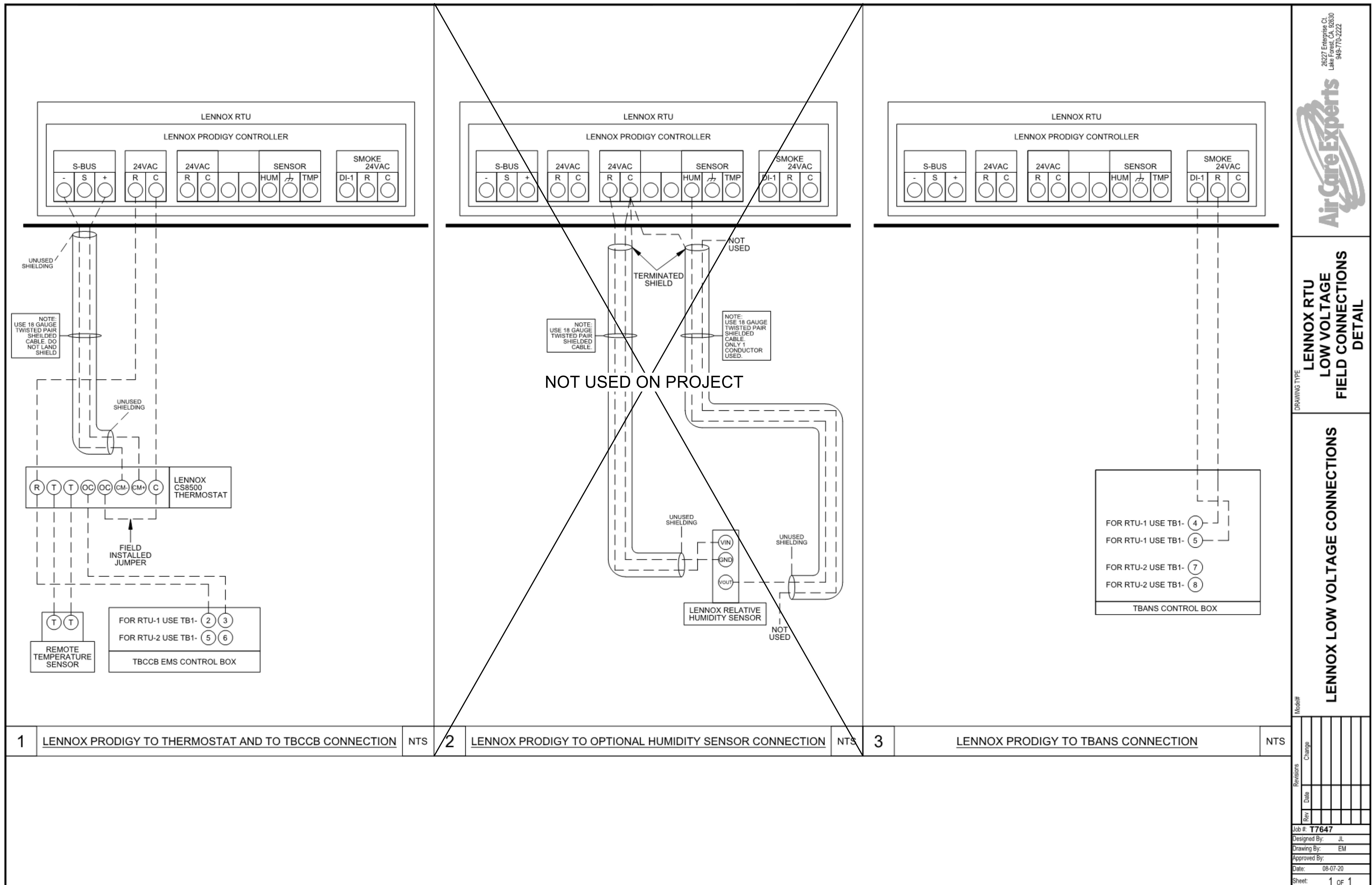
PLOT DATE: 1/19/2022 7:35:32 AM



CEILING DIFFUSER CONNECTIONS NTS 4



DUCT SUPPORT DETAIL NTS 1



ENDEAVOR 1.0

CONTROLS

DETAILS

M5.0

- SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.
- VERIFY LOCATION OF SANITARY SEWER ON SITE PLAN AND REVISE SEWER SYSTEM AS REQUIRED.
- PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODE. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.
- CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS AND OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- PLUMBING FIXTURE VENTS SHALL TERMINATE MINIMUM OF 12 INCHES FROM VERTICAL SURFACES AND 10 FEET FROM OUTSIDE AIR INTAKES.
- PROVIDE GAS PIPING TO UNITS AND MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
- PROVIDE SHUT-OFF VALVES ON HOT & COLD WATER LINES TO FIXTURES AND APPLIANCES. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.
- PROVIDE LEVER HANDLE GAS SHUT-OFF VALVE IN BRACH PIPING OF EACH APPLIANCE. INSTALL OWNER FURNISHED QUICK DISCONNECT, FLEXIBLE PIPE (IF ALLOWED BY CODE) AND RESTRAINING DEVICE. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE IF GAS PRESSURE IS GREATER THAN 10' WC DOWNTREAM OF THE GAS METER.
- VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED.
- REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN REQUIREMENTS. MAKE ALL ROUGH-IN AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL DRAWINGS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.
- GAS LINES SHALL BE SUPPORTED.
- FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH FLOOR SURFACE.
- PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
- PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR SHALL BE MINIMUM 2 TIMES DIAMETER OF INDIRECT DRAIN.
- VERIFY DEPTH, SIZE, LOCATION, AND CONDITION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK ON PROJECT. NOTIFY OWNER IMMEDIATELY OF CONDITIONS THAT EXIST WHICH WOULD CAUSE THE DESIGN TO BE ALTERED..
- COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
20. PROVIDE ASSE 1022 CERTIFIED BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.
- PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN. PROVIDE GAS PIPING TO UNITS. MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
- THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH OWNER PRIOR TO CONSTRUCTION. FAILURE OF CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE RESPONSIBILITY FOR SUBSEQUENT RELOCATION DIRECTLY UPON CONTRACTOR.
- ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.
- ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING FIXTURES OR EQUIPMENT.
- PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.
- CPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.

GENERAL NOTES - PLUMBING NTS

SYMBOL	ABBREV.	DESCRIPTION
Y.B.	YARD BOX	
R.D.	ROOF DRAIN	
A.P.	ACCESS PANEL	
V.T.R.	VENT THRU ROOF	
V.B.F.	VENT BELOW FLOOR	
U.T.R.	UP THRU ROOF	
V.C.P.	VITRIFIED CLAY PIPE	
C.I.	CAST IRON	
(TYP.)	TYPICAL	
(N)	NEW	
(E)	EXISTING	
(F.D.)	FLOOR DRAIN	
(H.D.)	HUB DRAIN	
(O.F.D.)	OVERFLOW DRAIN	
(F.S.)	FLOOR SINK	
G.L.	GAS LINE	
A.F.F.	ABOVE FINISHED FLOOR	
(X 00)	PLUMBING EQUIPMENT DESIGNATION	
(XXX)	KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DESCRIPTION.	
— SS —	SS	SOIL OR WASTE (SANITARY)/WASTE STUB
— GW —	GW	SOIL OR WASTE (GREASE WASTE)/WASTE STUB
— G —	G	GAS / GAS STUB
— CW —	CW	COLD WATER/ CW STUB
— HW —	HW	HOT WATER / HW STUB
— HWR —	HWR	HOT WATER RETURN
— V —	V	SANITARY VENT
— SD —	SD	STORM DRAIN
— CD —	CD	CONDENSATE DRAIN
— C.O. —	C.O.	CLEANOUT
Φ	F.C.O.	FLOOR CLEANOUT
—	W.C.O.	WALL CLEANOUT
— FW —	FW	FILTERED WATER
— TW —	TW	PREMIXED TEMPERATURE WATER
—	H.B.	HOSE BIBB
—	S.O.V.	SHUT-OFF GATE VALVE
—	S.O.C.	SHUT-OFF GAS COCK
—	C.V.	CHECK VALVE
—	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
—	B.V.	BALL VALVE
—	C.W.	COLD WATER BELOW GRADE
—	E.C.O.	EXTERIOR CLEAN OUT
—	BFP	BACK FLOW PREVENTER
—	FU	Fixture Unit

PLUMBING LEGEND NTS

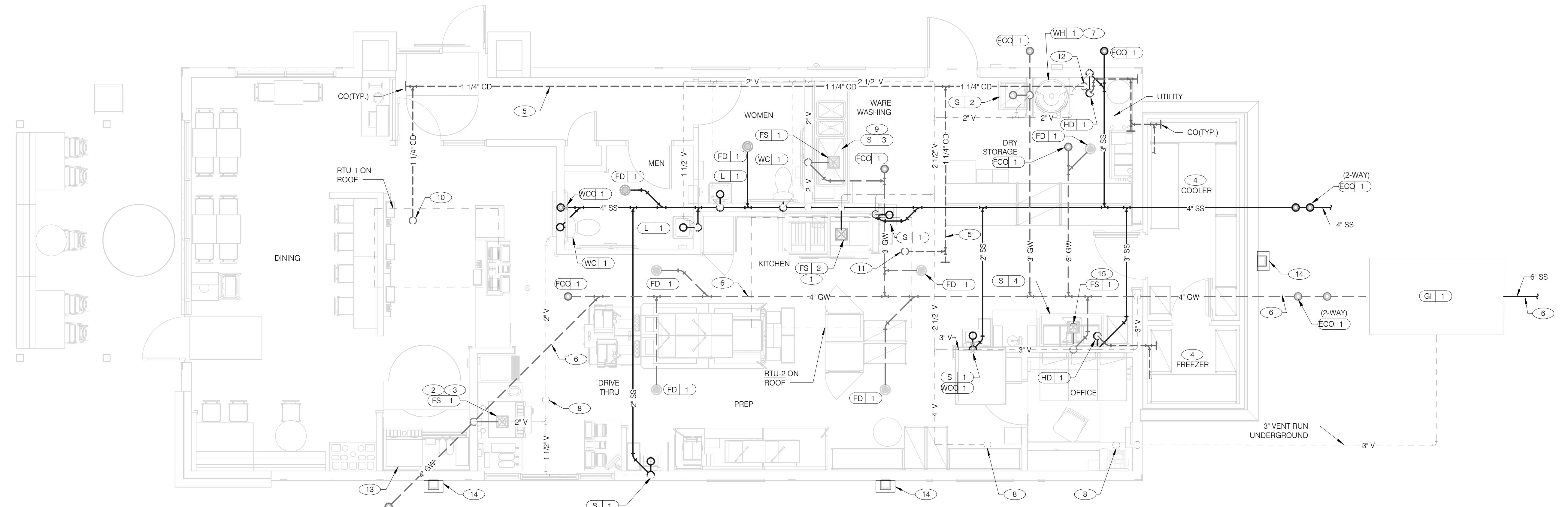
3

Fixture	No.	DRAIN		COLD WATER		HOT WATER	
		D.F.U.	Total D.F.U.	F.U.	C.W.	F.U.	Total H.W.
WATER CLOSET	2	4	8	5	10	--	--
URINAL	0	4	--	5	--	--	--
LAVATORY	2	1	2	1.5	3	1.5	3
HAND SINK	3	2	6	1.5	4.5	1.5	4.5
PREP SINK *	1	--	--	2	2	2	2
3 - COMPARTMENT SINK *	1	--	--	3	3	3	3
HOSE BIBB/WATER FILTRATION UNIT	2/1	--	--	5/0.5	12	--	--
FLOOR DRAIN	7	2	14	--	--	--	--
HUB DRAIN	2	2	4	--	--	--	--
FLOOR SINK	4	3	12	--	--	--	--
MOP SINK	1	3	3	2.25	2.25	2.25	2.25
RETHERMALIZER *	1	--	--	--	--	1.0	1.0
TOTAL		--	--	49	--	36.75	--
							15.75

 PROBABLE DEMANDS/ COLD WATER: 36.75 FU = 25.4 GPM USE 1-1/2" CW SERVICE
 AND PIPE SIZING DRAIN: GW 22 DFL USE 4" SANITARY (MIN)
 REQUIREMENTS: DRAIN: SAN 27 DFL USE 4" SANITARY (MIN)
 HOT WATER: 15.75 FU = 17.875 GPM USE 1-1/4" HW SERVICE

BASED ON 2015 MPC (COMBINATION DRAIN & VENT). *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

ITEM	Fixture	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
(ECC 1)	EXTERIOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
(FS 1)	FLOOR SINK	4"	2"	--	--	--	6	--	PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	JOSAM / MODEL: JPF54-PVC ZURN / MODEL: FD-2370-PV4-DS-F
(FS 2)	FLOOR SINK	3"	2"	--	--	--	6	--	CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	JOSAM / MODEL: 49034AS WADE / MODEL: 9144 ZURN / MODEL: Z-1900-32
(FD 1)	FLOOR DRAIN	3"	2"	--	--	--	2	--	PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	JOSAM / MODEL: 30003-A WADE / MODEL: 1103
(HD 1)	HUB DRAIN	3"	2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019
(FCO 1)	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 60000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
(WCC 1)	WALL CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 WADE / MODEL: 8560E ZURN / MODEL: Z-1446-BP
(HB 1)	HOSE BIBB	--	--	3/4"	--	--	--	2.5/1	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL BRONZE BOX.	JOSAM / MODEL: 71000 WADE / MODEL: 8600L ZURN / MODEL: Z-1300
(WC 1)	WATER CLOSET	4"	2"	1/2"	--	--	4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSONITE #95 OR EQUIVALENT, FLUSHOMETER TANK: SLOAN FLUSHMATE OR EQUAL, PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS.	AM. STD. "CADET" / MODEL: 2467.100 KOHLER "HIGHLINE" / MODEL: K-3519 CRANE "ECONOMISER" / MODEL: 31888
(L 1)	LAVATORY	1-1/4"	1-1/2"	1/2"	--	1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPLASH, ADA ACCESSIBLE, FLAT GRID STRAINER, BRAIDED WATER LINES, FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. ELECTRONIC SENSOR TYPE FAUCET, SLOAN SF-2300, ADA COMPLIANT. SEE 5/P6.0 FOR LAV SUPPORT DETAIL, 0.5 GPM AERATOR	A.S. COMRADE / MODEL: 0124.131 CRANE "HARWICH" / MODEL: 1412V
(S 1)	HAND SINK	1-1/2"	1-1/2"	1/2"	--	1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS FAUCET W/SINGLE KNEE PEDAL. BRAIDED WATER LINES, 0.5 GPM AERATOR.	-- --
(S 2)	MOP SINK	3"	2"	1/2"	1/2"	--	3	2.25	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPASH. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	-- -- --
(S 3)	3-COMP. SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	-- -- --
(S 4)	PREP SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET AND DRAIN	-- -- --
(GI 1)	GREASE INTERCEPTOR	4"	--	--	--	--	--	--	PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.	JENSEN / JP1000G
(MV 1)	MIXING VALVE	--	--	1/2"	1/2"	--	--	--	THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LFLM495 LAWLER SERIES 310 LEONARD SERIES 170
(WH 1)	WATER HEATER	--	--	1-1/2"	--	--	--	--	3 GAS FIRED WATER HEATER, 95% THERMAL EFF., 199,000 BTUH INPUT, 100 GAL. STORAGE TANK, 235 GPH @ 100 DEG. RISE REC. RATE, 3" PVC FLUE & INTAKE, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, ELECTRONIC IGNITION SYSTEM AND ELECTRONIC CONTROLS. Call 800-477-1953 Option #1 for National Account Price & Service	AO SMITH / CYCLONE MXI BTH-199 STATE / SUF 100 199 NE --
(ET 1)	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	WATTS SERIES DETA AMTROL SERIES ST WILKINS SERIES WXTP
(GFP 1)	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: LF009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
(RO 1)	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	-- -- --
(RP 1)	RECIRC PUMP	--	--	--	1/2"	--	--</			

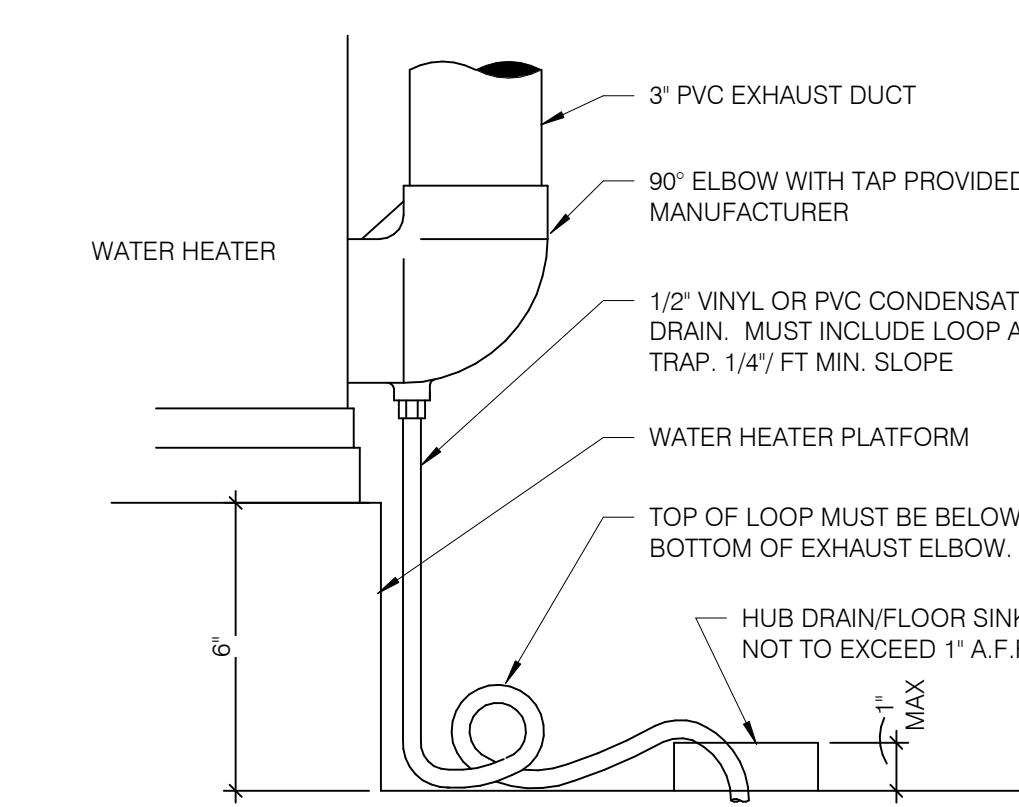


DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: TH
 JOB NO.: 2019088.28


**ENDEAVOR 2.0
WASTE AND
VENT PLAN**
P2.0

PLOT DATE: 1/19/2022 7:35:40 AM



WATER HEATER CONDENSATE DETAIL NTS

4

WASTE & VENT PLAN NOTES NTS

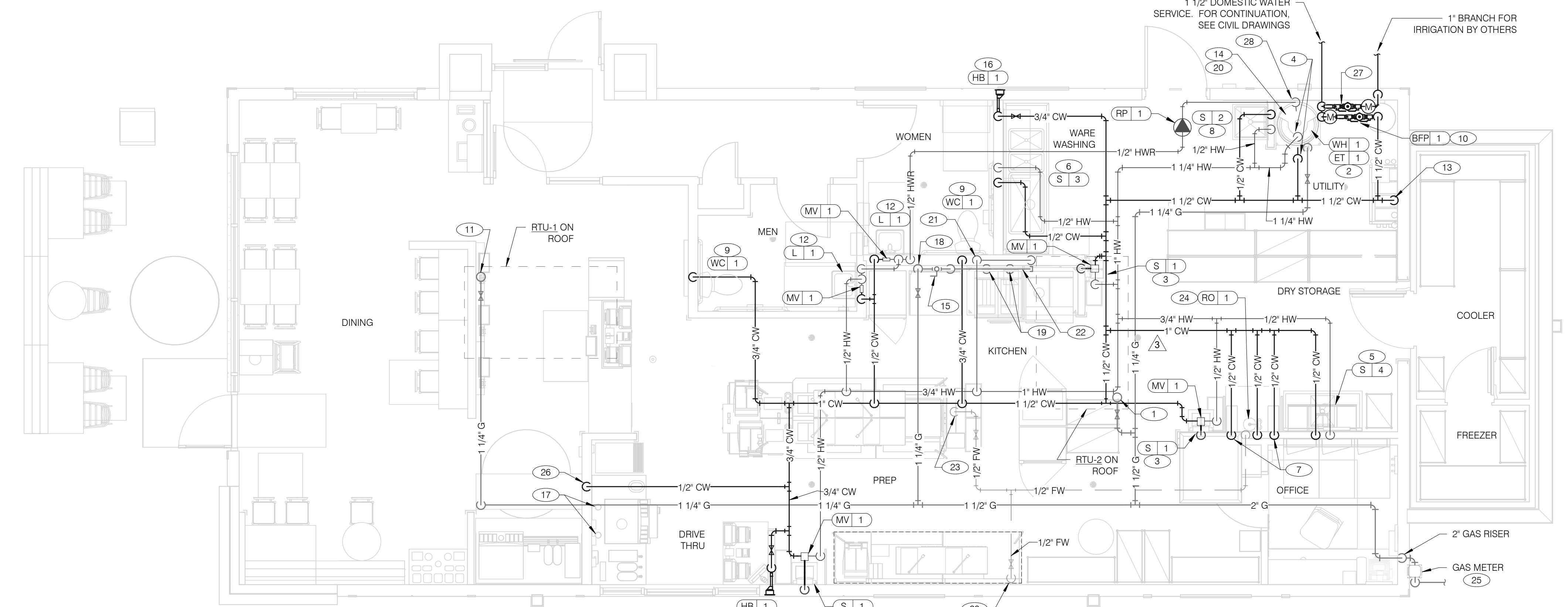
3

A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.
 B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.
 C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS. DOWNSPOUTS SHALL BE MINIMUM 3" DIA.
 D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE HUB DRAIN.

1 UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK F3-2, OUTWARD.
 2 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
 4 PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN/MOP SINK (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). CONCEAL CONDENSATE PIPE IN WALL.
 5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF. RUN TO HUB DRAIN. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.
 6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
 7 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.0 AND DETAIL 4/P2.0.
 8 4" VENT UP THROUGH ROOF.
 9 PIPE EACH INDIVIDUAL COMPARTMENT OF 3-COMPARTMENT SINK INDEPENDENTLY TO FLOOR SINK WITH AIR GAP PER CODE.

KEYNOTES - WASTE AND VENT NTS

2



DATE	REMARKS
09.08.21	Issued for Permit
2 12.02.21	Health Dept. Comments
3 12.22.21	Health Dept. Comments
01.02.22	Issued for Bid

CONTRACT DATE: 07.16.21

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: TH

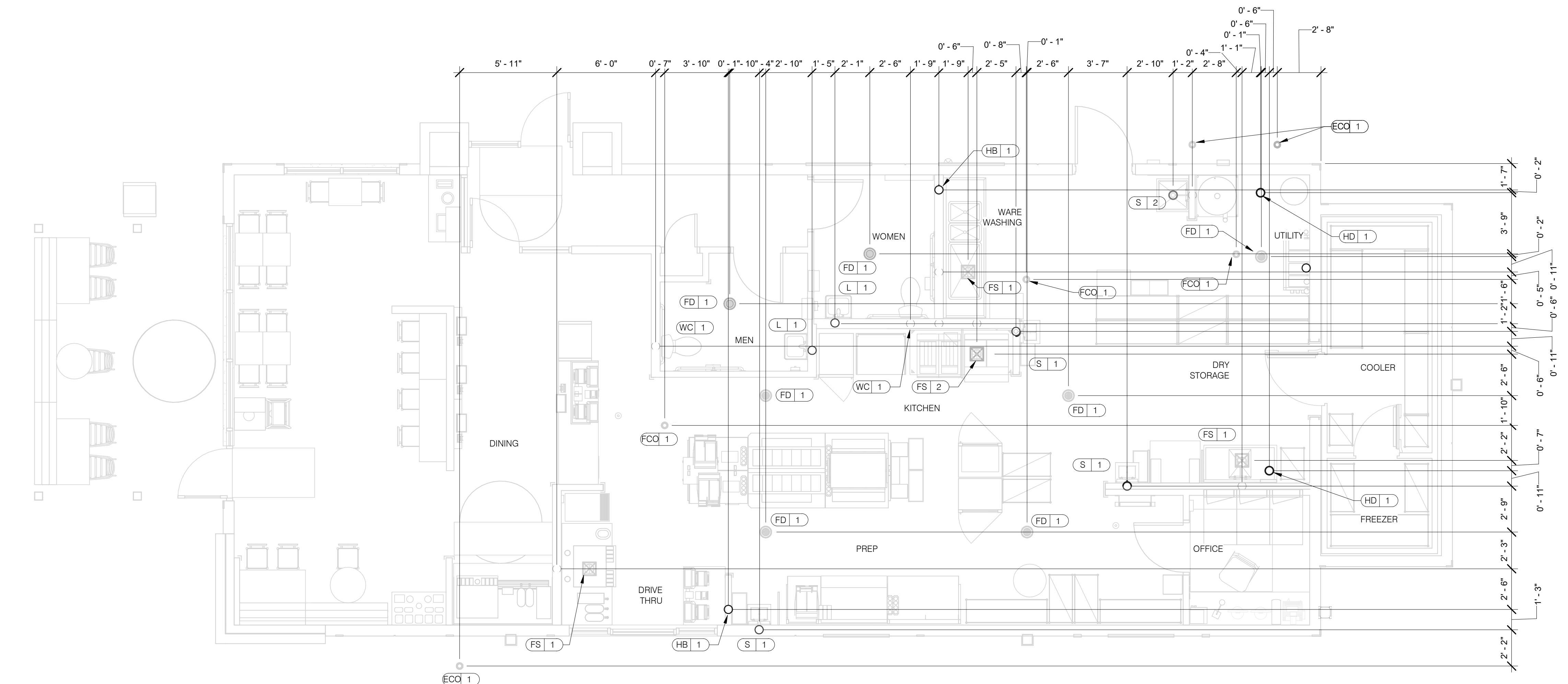
JOB NO.: 2019088.28

TACO BELL

36505.26 MILE RD.
LENOX TWP, MI 48048
ENDEAVOR 2.0
WATER AND
GAS PLAN

P3.0

PLOT DATE: 1/19/2022 7:35:44 AM



PLUMBING ROUGH-IN PLAN 1/4" = 1'-0"

1

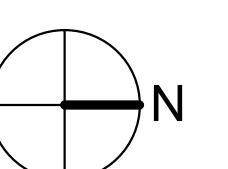
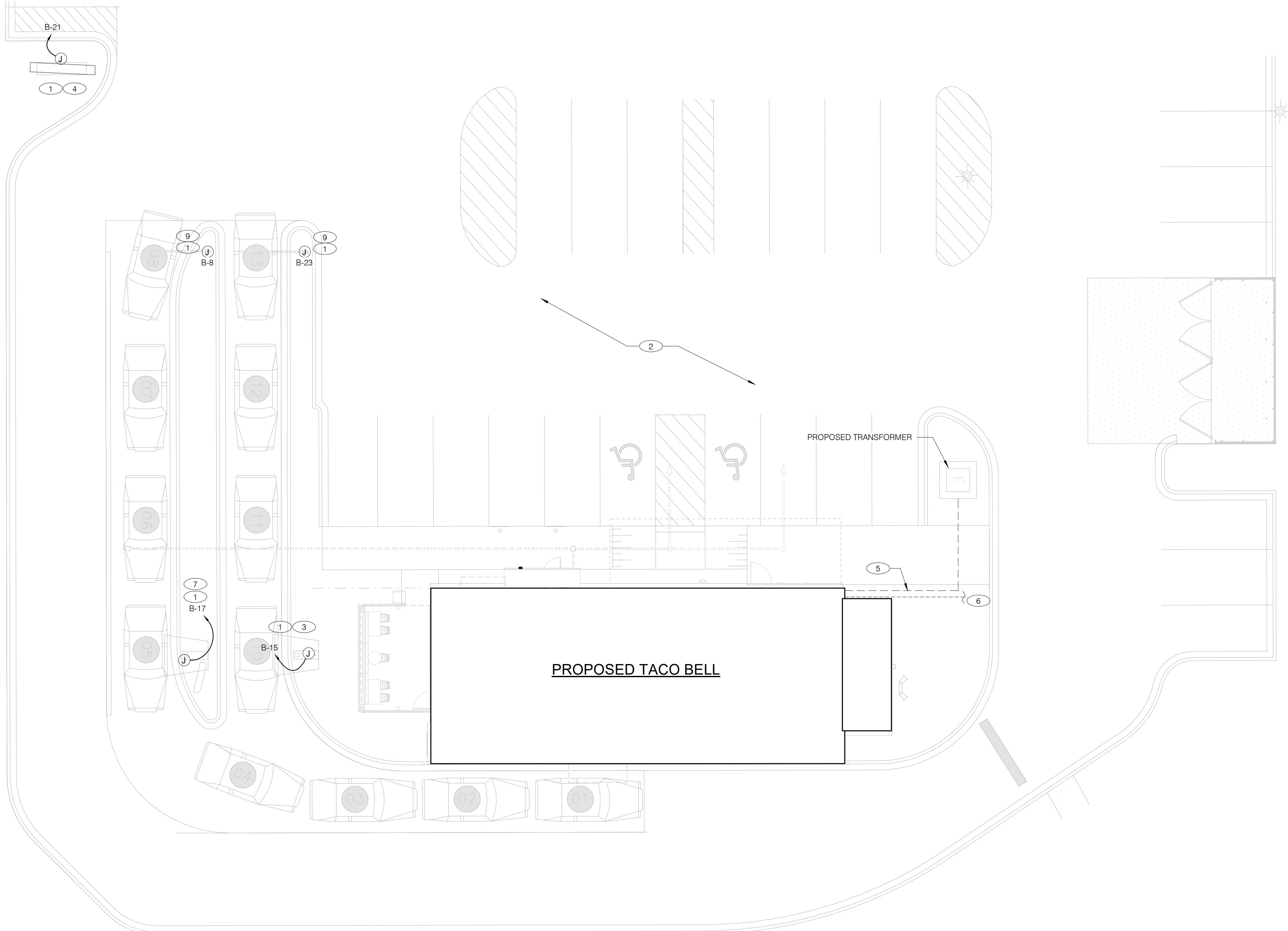
EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS	EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
(FS 1)	FLOOR SINK			--	(S 3)	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F.	--
(FS 2)	FLOOR SINK			EPOXY COATED CAST IRON	(S 4)	PREP SINK	W	+19" A.F.F.	--
(HD 1)	HUB DRAIN			--	(S 4)	PREP SINK FAUCET	CW/HW	+38" A.F.F.	--
(WH 1)	WATER HEATER	CW		--	(WCO 1)	WALL CLEAN OUT			--
(WH 1)	WATER HEATER	G	+15" A.F.F.	--	(FCO 1)	FLOOR CLEAN OUT			--
(WC 1)	WATER CLOSET	CW	+29" A.F.F.	BOTH HANDICAP AND REGULAR	(HB 1)	HOSE BIB			--
(UR 1)	URINAL FLUSH VALVE	CW	+47" A.F.F.	WALL MOUNTED					
(UR 1)	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED					
(L 1)	LAVATORY	TW	+20" A.F.F.	--	(C-107)	RETHERMALIZER	HW	+8" A.F.F.	
(L 1)	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--	(C-107)	RETHERMALIZER	G	+12" A.F.F.	
(RO 1)	REVERSE OSMOSIS	CW	+84" A.F.F.	--	(C-026)	DUAL VAT FRYER	G	+12" A.F.F.	
(S 1)	HAND SINK	TW	+18" A.F.F.	RIM OF LAV @ +2-8" A.F.F.					
(S 2)	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR					
(S 2)	MOP SINK FAUCET	CW/HW	+36" A.F.F.	--	(S-286)	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
(S 2)	MOP SINK FAUCET	CW/HW	+42" A.F.F.	CLOSEST MOP SINK ONLY	(P-452)	HOT WATER SYSTEM	CW	+24" A.F.F.	
(S 3)	3-COMPARTMENT SINK	W	+19" A.F.F.	--					

1. ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS AND EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM CORRECTNESS OF DIMENSIONS INDICATED HEREIN.



ENDEAVOR 2.0
PLUMBING
ROUGH-IN PLAN

P4.0



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CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: AJR
 JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
**SITE
 ELECTRICAL
 PLAN**

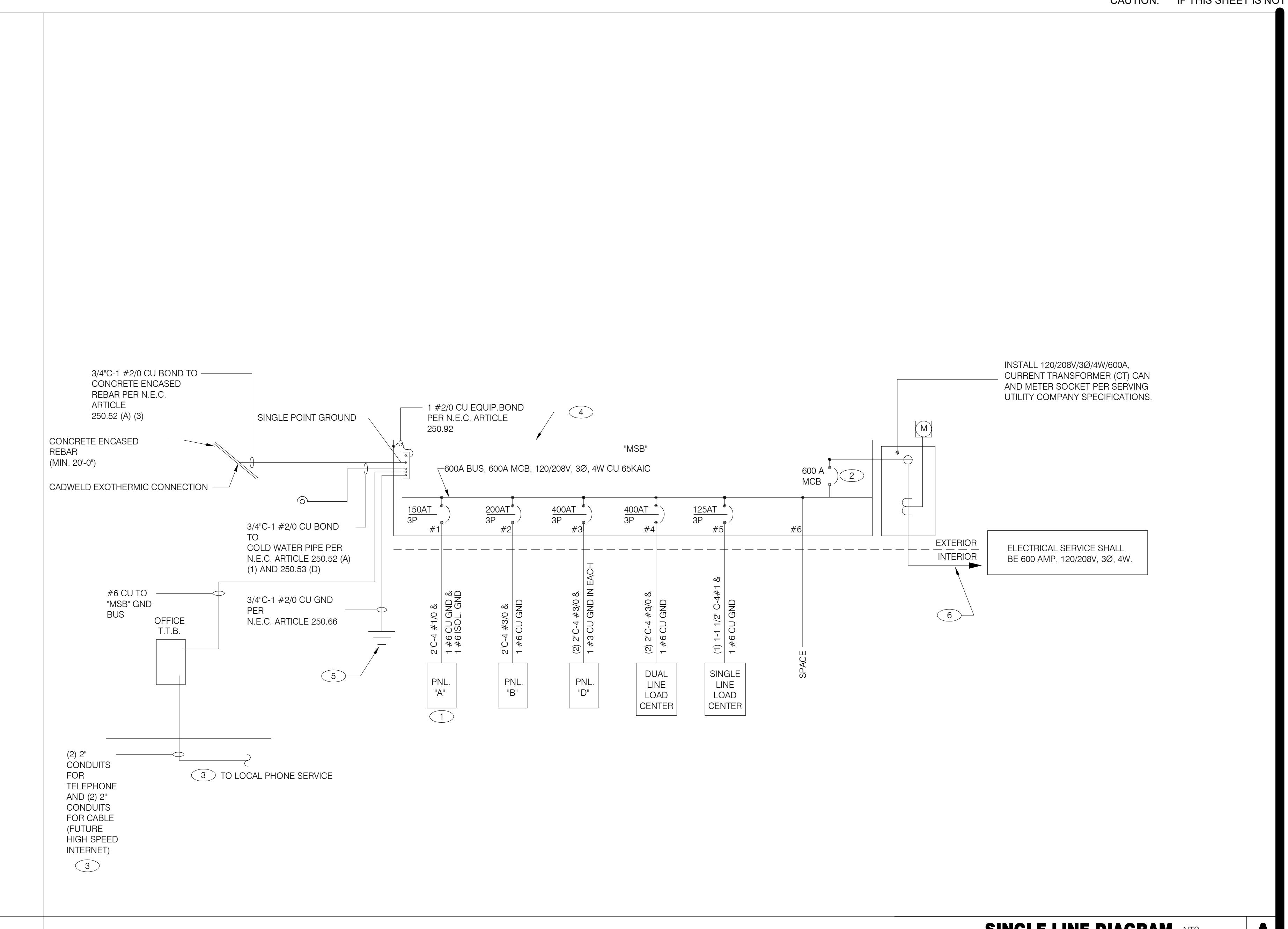
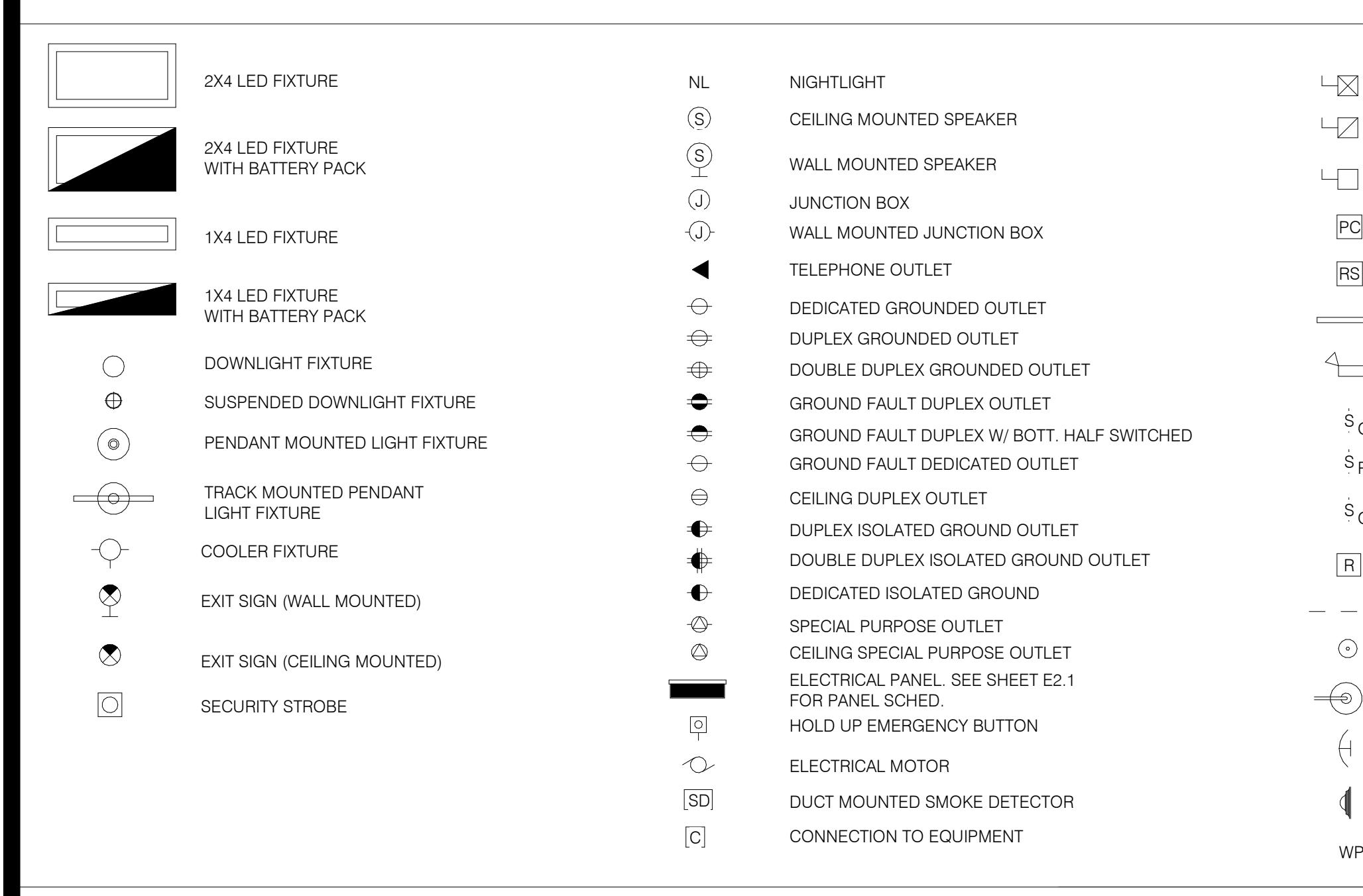
E1.0

PLOT DATE: 1/19/2022 7:35:04 AM

CONDUIT SCHEDULE

DEVICE	POWER	DATA
DIRECTIONAL	(1) 1"	-
SPEAKER POST	(1) 1"	(1) 1"
MENUBOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

- (1) 1" C. - (2) #8, #8 GRD. (TYP. FOR ENTIRE CIRCUIT.)
- (2) COORDINATE WITH LANDLORD FOR SITE LIGHTING POLE LOCATIONS.
- (3) DIGITAL MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. PROVIDE (2) #8AWG, #8 GND. IN 1" C. REFER TO CIVIL DRAWINGS.
- (4) LED PYLON SIGN.
- (5) UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- (6) PROVIDE SEPARATE 2" TELEPHONE AND CABLE (FUTURE HIGH SPEED INCLUDED) CONDUITS TO CONNECTION ON SITE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- (7) SPEAKER POST AND CANOPY. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
- (8) NOT USED.
- (9) CLEARANCE BAR. REFER TO CIVIL DRAWINGS.
- (10) NOT USED.



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BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: AJR

JOB NO.: 201908.28

TACO BELL

36505.26 MILE RD.
LENOX TWP, MI 48048
ENDEAVOR 2.0
ELECTRICAL
ONE LINE
DIAGRAMS AND
LEGEND
E2.0

PLOT DATE: 1/19/2022 7:35:05 AM

COMMERCIAL KITCHEN EQUIPMENT SCHEDULE																	
EQUIPMENT IDENTIFICATION			EQUIPMENT ELECTRICAL CHARACTERISTICS				EQUIPMENT CIRCUIT			EQUIPMENT DISCONNET							
TAG	TYPE	EQUIPMENT NAME	V/Ph - WATTS	FLA/RLA	NCA	TIME DELAY FUSE	INVERSE-TIME BREAKER	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYPE	TYPE	SIZE	NEEMA	SUPPLIED BY	INSTALLED BY	NOTES
B-223	O	B-223 WATER HEATER IGNITION	120 V/1-744 VA	6.2	7.2	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
B-381	O	CO2 CARBON DIOXIDE SENSOR / WARNING	120 V/1-156 VA	1.0	1.3	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
C-026	KR	FRYER	120 V/1-972 VA	8.1	9.8	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	1,2	
C-107	O	RETHEMALIZER	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	1,2	
C-400	O	COOK TIMER	120 V/1-100 VA	0.3	0.4	15	15	1	#12 W/#12 G IN 3/4"	CU ST	C&P	15	5-15	ES	ES	2	
DCL	O	DUAL COOK LINE	208 V/3-52000 VA	145	145	200	200	1	4#30 W/#6 G IN 2"	CU ST	DIRECT	200	J-BOX	ES	ES	8	
E1AN	O	TBANS SHUNT PANEL	120 V/1-500 VA	6.3	7.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	DIRECT	20	1	ES	ES	8	
F-040	O	OFFICE COMPUTER	120 V/1-300 VA	2.5	3.1	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
F-050	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
F-090	O	UPS	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
F-174	O	SAFE W/TOUCHSCREEN CONTROLS	120 V/1-360 VA	3.0	3.8	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
IR-01	O	IRRIGATION TIMER	120 V/1-500 VA	2.0	3.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	DIRECT	20	1	ES	ES	8	
L-043	O	INTERIOR ROTATING MENU BOARD & REMOTE ALARM LT	120 V/1-500 VA	9.0	11.8	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
L-044	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
L-045	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
N-043	KR	POWER SOAK	208 V/2-4740 VA	11.4	14.25	15	15	1	#12 W/#12 G IN 3/4"	CU ST	DIRECT	20	J-BOX	ES	ES	8	
N-044	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
P-417	O	TIMER - 8 CHANNEL	120 V/1-180 VA	0.5	0.7	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
P-452	KR	HOT WATER SYSTEM	208 V/2-4026 VA	19.6	24.5	30	30	1	#12 W/#12 G IN 3/4"	CU ST	C&P	30	6-30	ES	ES	2	
P-009	KM	R-009 FULL HEIGHT FREEZER	120 V/1-1140 VA	9.5	11.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-204	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-284	KM	BEVERAGE DISPENSER S/S	120 V/1-1116 VA	9.3	12	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-285	KM	S-284 BEVERAGE DISPENSER (D/T)	120 V/1-1428 VA	11.9	14.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-289	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-200 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-513	KM	CARBONATOR	120 V/1-138 VA	2.3	2.9	15	15	1	#12 W/#12 G IN 3/4"	CU ST	C&P	15	5-15	ES	ES	2	
S-544	O	ICED TEA	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-546	O	BREWER	120 V/1-480 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
S-570	KM	CARBONATOR	120 V/1-138 VA	2.3	2.9	15	15	1	#12 W/#12 G IN 3/4"	CU ST	C&P	15	5-15	ES	ES	2	
S-739	KM	S-739 FROZEN BEVERAGE DISPENSER	208 V/2-3120 VA	31.6	39.5	30	30	1	#10 W/#10 G IN 3/4"	CU ST	C&P	30	6-30	ES	ES	2	
SCL	O	SINGLE COOK LINE (OPTIONAL)	208 V/3-28800 VA	80	80	125	125	1	4#1 W/#6 G IN 2"	CU ST	DIRECT	200	J-BOX	ES	ES	8	
U-011	O	BASE STATION - D/T COMM. SYSTEM	120 V/1-180 VA	2	24	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
U-050	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-180 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
U-061	O	RECEIPT PRINTER	120 V/1-180 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
U-070	O	CREDIT CARD READER	120 V/1-180 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU ST	C&P	20	5-20	ES	ES	2	
W-X1	KM	W-075-2 WALK-IN FREEZER	208 V/3-0 VA	11.6	14.5	20	20	1	#12 W/#12 G IN 3/4"	CU ST	DIRECT	20	J-BOX	ES	ES	2	

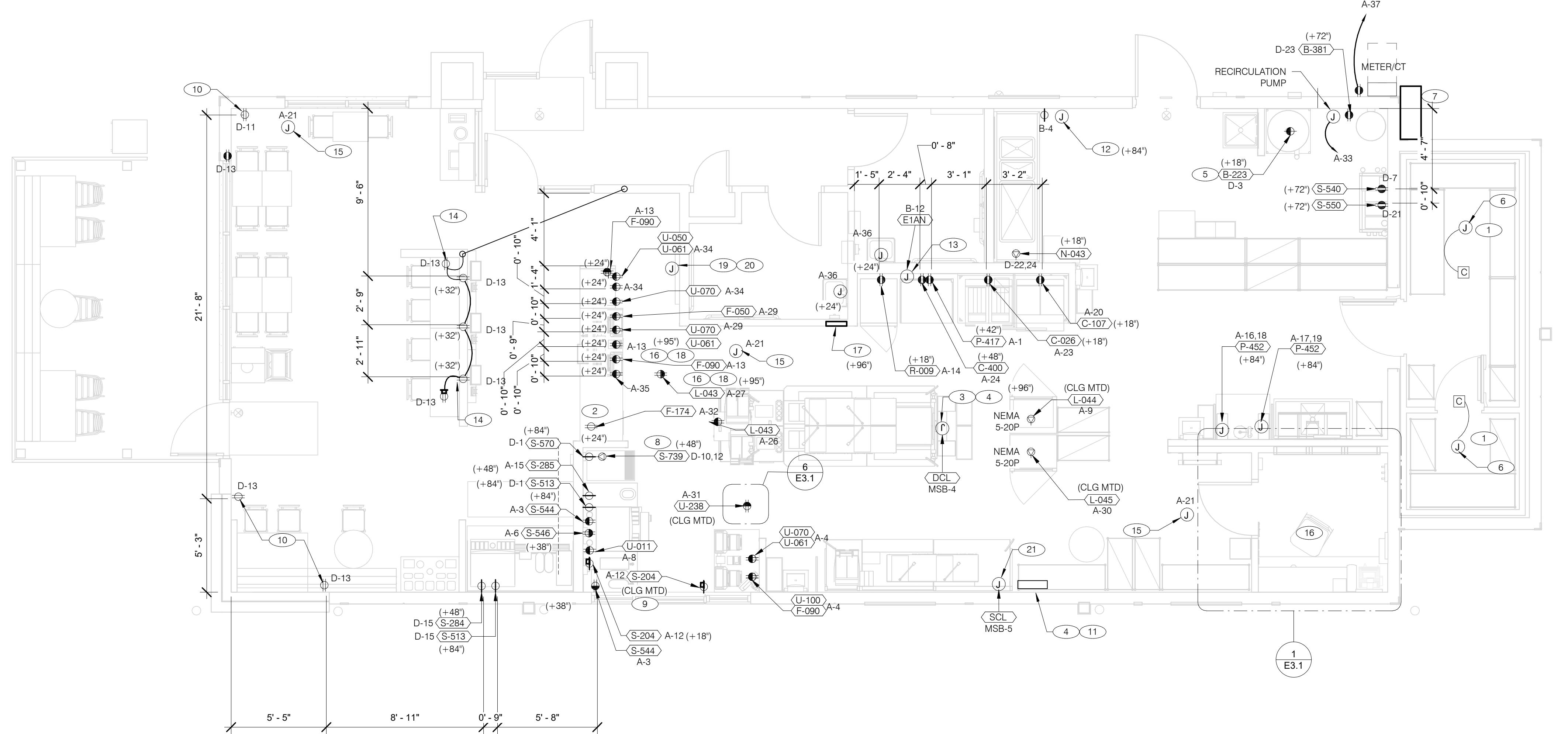
TYPE: H-HEATING, C-COOLING, KR-KITCHEN RESISTIVE, KM-KITCHEN MOTOR, WH-WATER HEATER, OM-OTHER MOTORS, O-OTHER DISCONNECT TYPE: HP-HP RATED SWITCH, C&P-CORD & PLUG, L&P-LOCKING CORD & PLUG, F-FUSED, NF-NON-FUSED, MCCB-MOLDED CASE CIRCUIT BREAKER SUPPLIED/INSTALLED BY: EC-ELECTRICAL CONTRACTOR, HC-HVAC CONTRACTOR, PC-PLUMBING CONTRACTOR, ES-EQUIPMENT SUPPLIER *VOLTAGE DROP CALCULATION FORMULAS COURTESY OF COOPER BUSSMANN.*

NOTES: 1 - REQUIRES SHUNT TRIP PROTECTION
 2 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. EC SHALL PROVIDE RECEPTACLE.
 3 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. RECEPTACLE SUPPLIED BY ES AND INSTALLED BY EC.
 4 - CORD, PLUG & RECEPTACLE SUPPLIED AND INSTALLED BY EC.

REFER TO ARCHITECTURAL EQUIPMENT SCHEDULE FOR ALL KITCHEN EQUIPMENT AND FINAL COORDINATION

Panel: D													
Location: Supply From: MSB Mounting: Recessed Enclosure: Type 1													
Volts: 120/208 Wye Phases: 3 Wires: 4													
A.I.C. Rating: SERIES Mains Type: M.L.O. Mains Rating: 400 A MCB Rating: N/A													
Notes:													

NOTES	CKT	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CKT	NOTES
<tbl



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PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

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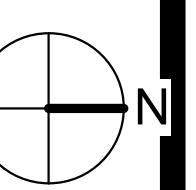
JOB NO.: 2019088.28

POWER PLAN 1/4" = 1'-0" A

TACO BELL

36505.26 MILE RD.
LENOX TWP, MI 48048
ENDEAVOR 2.0
ELECTRICAL
POWER PLAN
E3.0
 PLOT DATE: 1/19/2022 7:35:11 AM

RECEPTACLE NOTE:
 ALL RECEPTACLES IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.

NOTE
 5mA GFCI BREAKERS MUST BE USED WHERE OUTLETS REQUIREING GFCI PROTECTION ARE NOT ACCESSIBLE FOR COMPLIANCE WITH NEC 210.8. WHERE GFCI PROTECTION AND SHUNT TRIP IS REQUIRED, THE CIRCUIT SHALL HAVE A GFCI BREAKER AND PASS THROUGH THE TBANS PANEL. REFER TO DETAILS IN E7.0 AND E7.1.


- A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.
- C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.
- D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR, TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.
- J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.
- K. PER SECTION 210.8 NEC 2017, ALL SINGLE PHASE RECEPTACLE RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERS OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERERS OR LESS.
- L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- M. CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.
- N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".
- O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.
- P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.
- Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE ON SHEET E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.
- R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.
- S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.
- 1 REFER TO ROOF PLAN.
- 2 INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINERY REAR WALL.
- 3 CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 200 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
- 4 EQUIPMENT CABINET.
- 5 LOCATED INSIDE SHELL OF HEATER.
- 6 INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSER.
- 7 LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
- 8 PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
- 9 CEILING MOUNTED FOR WALL MOUNTED HME. SEE 7/E3.1
- 10 PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.
- 11 VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- 12 PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL)
- 13 VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION MANAGER.
- 14 E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH TABLE. AT EACH END OF THE TABLE, PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.
- 15 PROVIDE POWER FOR SECURITY CAMERAS. COORDINATE WITH CAMERA VENDOR, SECURITY, AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
- 16 QUAD RECEPTACLE FOR FUTURE DIGITAL MENUBOARD. TYPICAL OF 2.
- 17 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT CENTER OF BOX AT 48" A.F.F. REFER TO E7.0.
- 18 EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.
- 19 EC / GC TO INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
- 20 EC / GC TO RUN (3) ORANGE CAT 6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
- 21 CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:

- * AS A SAFETY PATH TO GROUND.
- * AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

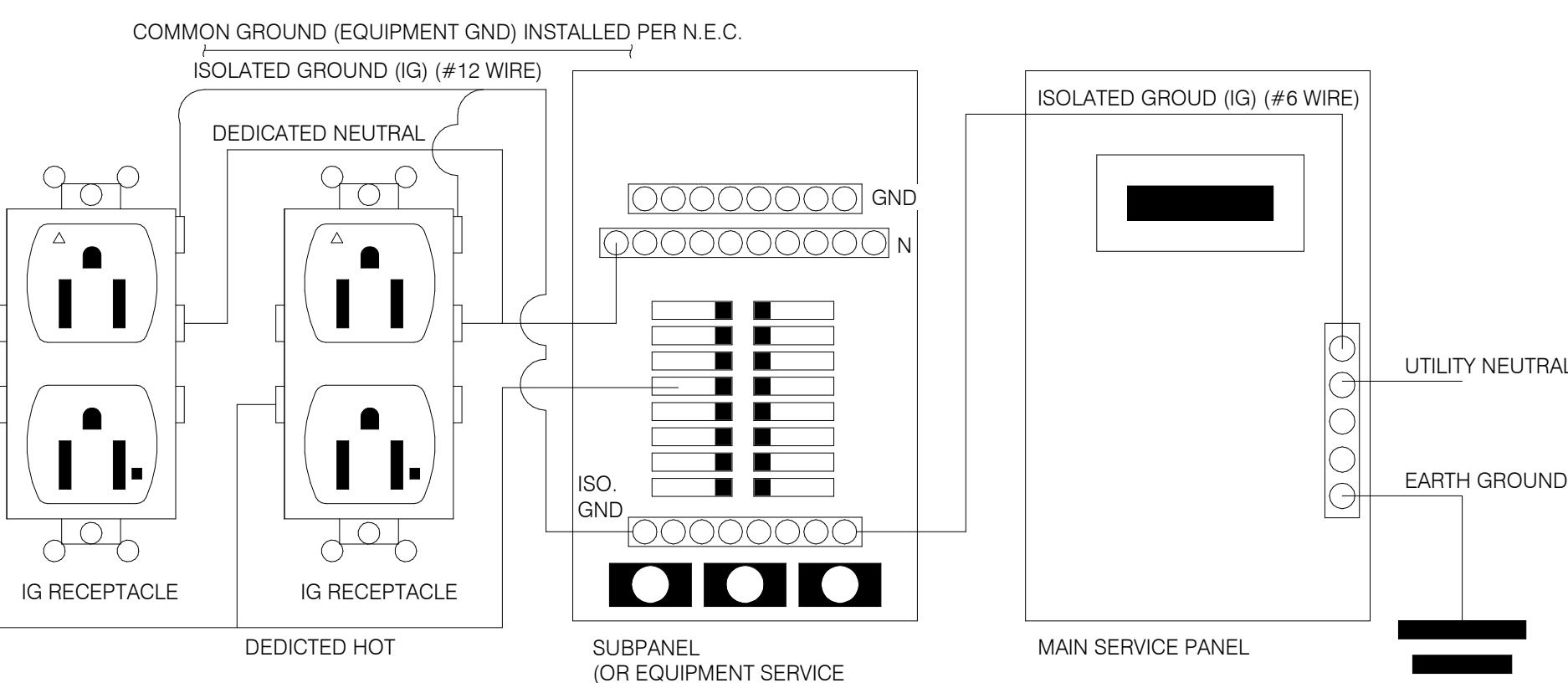
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

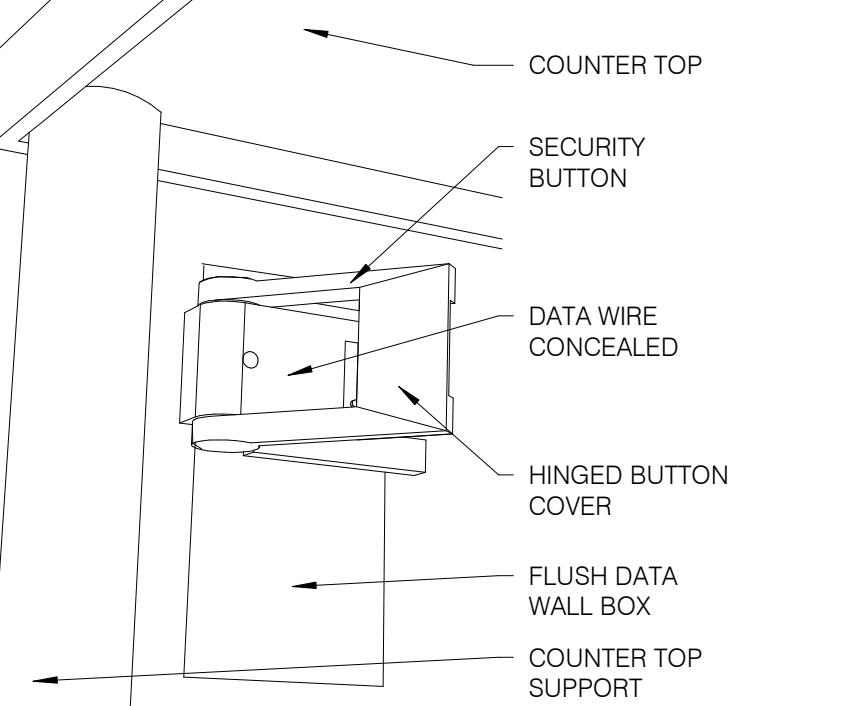
- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

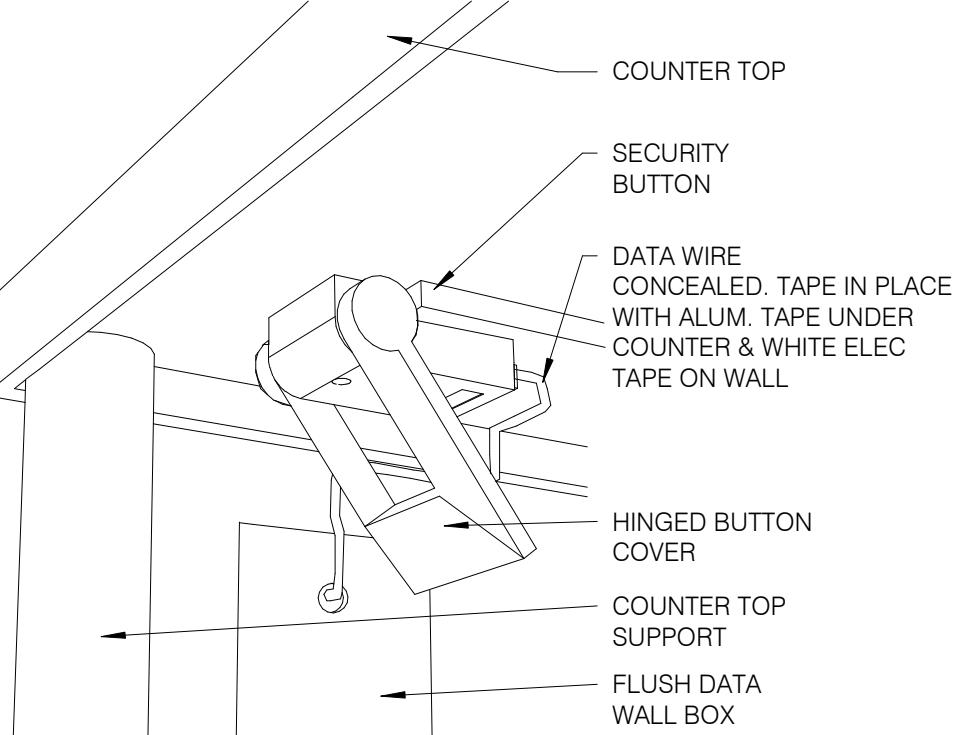
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE "PHASE ALIGNED" WITH THE "B" PHASE OF BUILDING SUBPANEL "A".



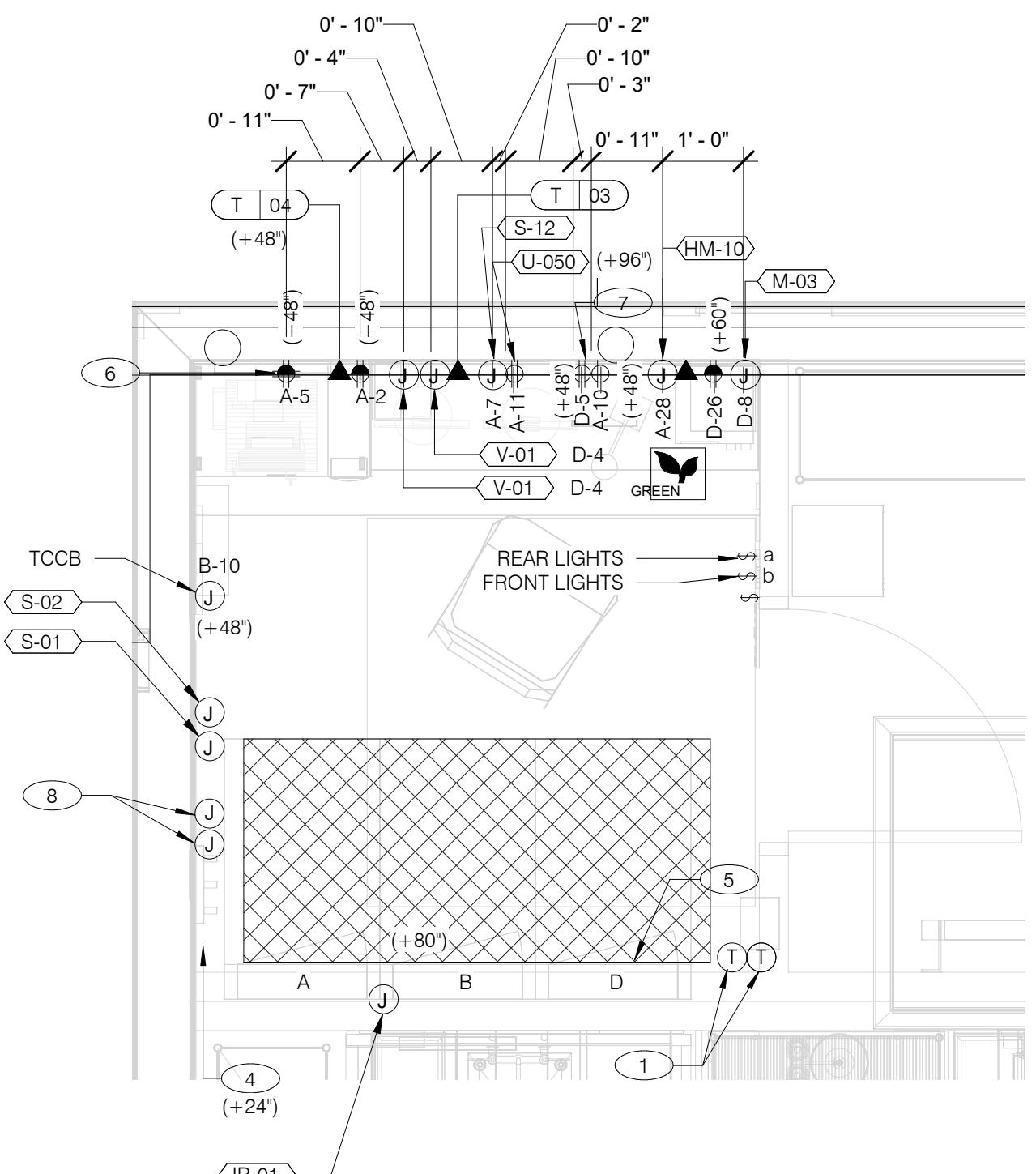
NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS

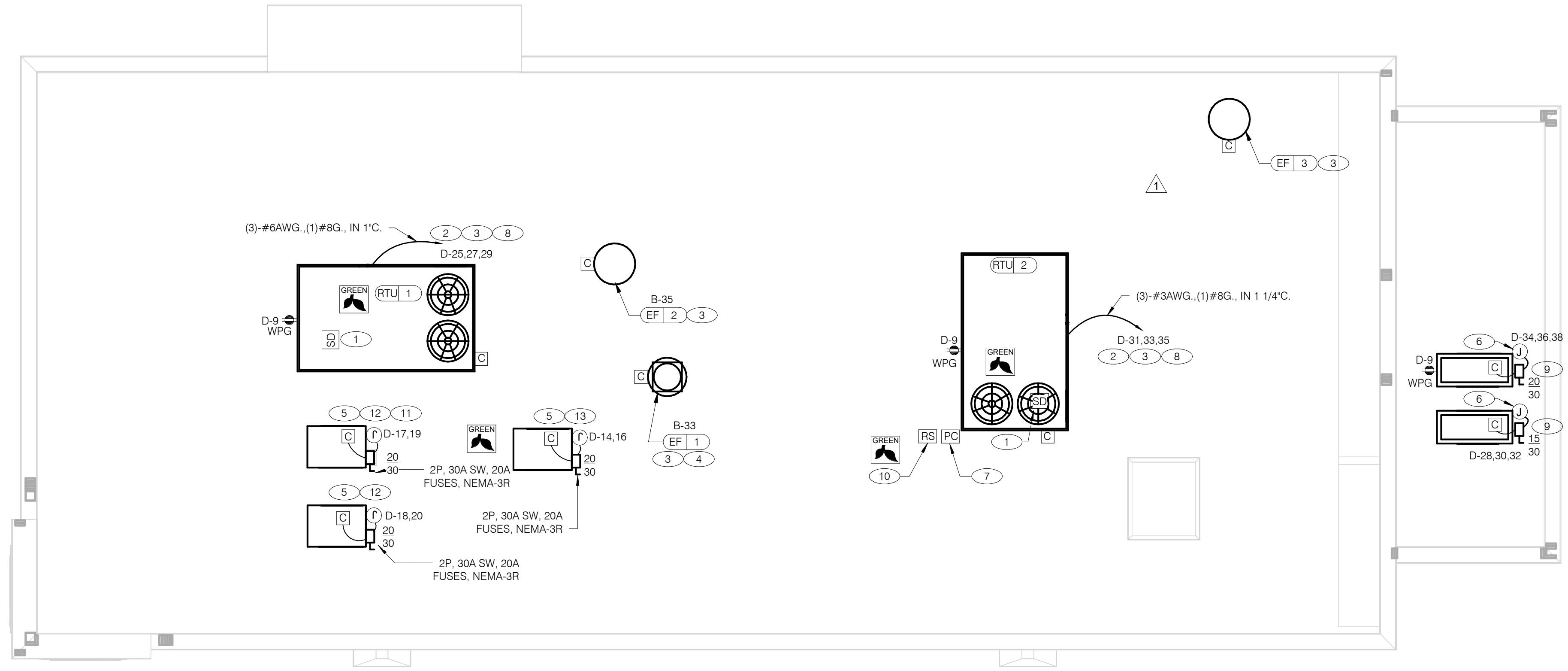


SECURITY BUTTON ON WALL NTS 3



SECURITY BUTTON UNDER COUNTER NTS 4





	DATE	REMARKS
	09.08.21	Issued for Permit
1	11.19.21	Building Dept. Comments
	01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: AJR

JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
**ELECTRICAL
POWER ROOF
PLAN**

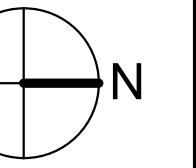
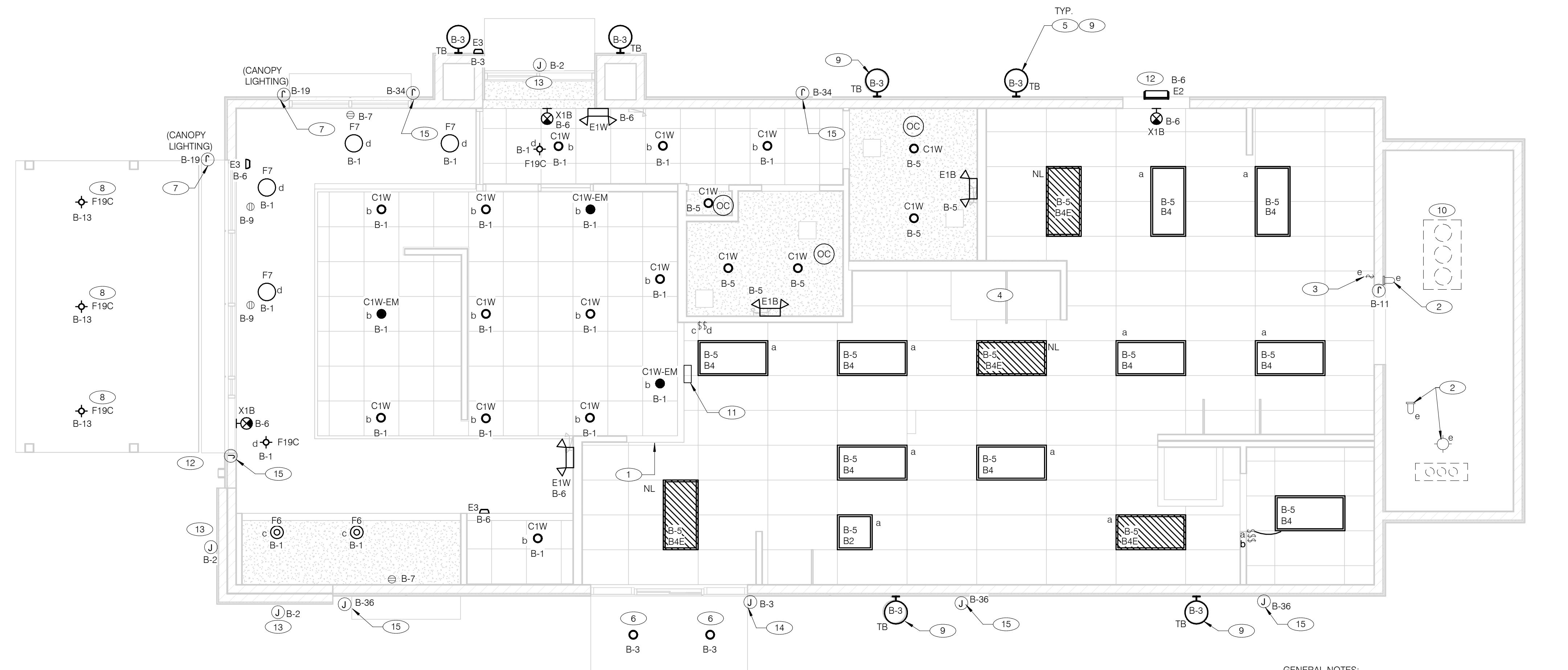
E3.2

PLOT DATE: 1/19/2022 7:35:15 AM

A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
 B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFRS AND INSTALLER'S REQ'S.
 C. REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.
 D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
 E. REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
 F. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
 G. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MFR RECOMMENDATIONS.
 H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.
 I. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
 J. ARMOR CABLE (BX) IS ONLY TO BE ALLOWED WHERE ACCEPTABLE BY AUTHORITY HAVING JURISDICTION.

1 MECHANICAL CONTRACTOR SHALL PROVIDE CONNECTIONS BETWEEN RTU FACTORY SMOKE DETECTORS AND REMOTE ENNUNCIATOR, TEST AND RESET DEVICE IN MANAGER OFFICE. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY NECESSARY CONDUITS FOR LOW VOLTAGE WIRING.
 2 SPECIFIED RTU IS SUPPLIED WITH UNPOWERED, WEATHERPROOF GFCI CONVENIENCE OUTLET AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURES AND ACCESS THRU SWINGING DOOR.
 3 POWER AND CONTROL IN FLEXIBLE WATERPROOF CONDUIT (LFMC CONDUIT) TO ENTER FROM SIDE OF THE CURB AND UP TO FACTORY PROVIDED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR.
 4 CONNECT TO APPROPRIATE TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
 5 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
 6 REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
 7 CONNECT TO APPROPRIATE PHOTOCELL TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
 8 RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT AND SINGLE POINT WIRING.
 9 CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
 10 RAIN SENSOR. 
 11 PIPE HOOD SEE 9/A6.0
 12 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION RQMTS, PRIOR TO ROUGH-IN INSTALL.

13 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE FROZEN BEVERAGE MACHINE. MAKE CONNECTION TO BEVERAGE MACHINE AND ASSOCIATED CONDENSING UNIT.



GENERAL NOTES:

- A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
- B. EMERGENCY AND NORMAL LIGHTING MARKED WITH 'NL' SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST.
- C. EMERGENCY LIGHTING NOT MARKED WITH 'NL' SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED HOT TO NORMAL BALLAST.
- D. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-7(a).
- E. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH TBCCB. SEE E6.0 AND E6.1.
- F. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
- G. ALL FIXTURES SUPPLIED WITH LAMPS.
- H. ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 AND E6.1 FOR ADDITIONAL DETAILS.

ELECTRICAL LIGHTING PLAN 1/4" = 1'-0" A

NO.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMP #/TYPE	BALLAST TYPE	ELECTRICAL DATA	REMARKS
B2	ABB	FLP22-D53W40	2X2 LED TROFFER		LED		120 V/145 VA	-
B4	ABB	FLP24-D53W40	2X4 LED TROFFER		LED		120 V/145 VA	-
B4E	ABB	FLP24-D53W40-EM	2X4 LED TROFFER		LED		120 V/145 VA	PROVIDE 90 MIN. BACK UP BATTERY
C1W	MAXLITE	B6IC-AT-W-LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	-
C1W-EM	MAXLITE	B6IC-AT-W-LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	PROVIDE 90 MIN. BACK UP BATTERY
E1B	ELITE	ELM-809-B	EMERGENCY LIGHT FROG EYE - BLACK	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E1W	ELITE	ELM-809-W	EMERGENCY LIGHT FROG EYE - WHITE	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E2	ELITE	ELM-807-SDT-BZ	CAMRAY LED EM WALL MNT, DRK BRNZ, CLD WEATHER	UNIVERSAL	-	EM	120 V/1-16 VA	-
E3	LITHONIA	AFF-PEL-DDBTXD-UVOLT-LTP-SDR T-WT-CW	SELF-POWERED EMERGENCY WALLPACK W/ PHOTOCELL		LED		120 V/1-20 VA	-
F6	KICHLER	438520Z	9.75" GLASS PENDANT AVERY WITH MED BASE SOCKET RATED 100W MAX OLDE BRONZE FINISH	PENDANT, 6'-0" A.F.F.	1/LED AAMS CO LED-6W-ST64HYBRID-DIM	NA	120 V/1-100 VA	PLACEHOLDER INCLUDES LAMP
F7	HILITES	H24212-96-CB15-20WLBL-6OP	12" GALVANIZED PENDANT WITH BLACK CORD AND CANOPY MED BASE SOCKET	PENDANT, 6'-0" A.F.F.	1/LED 10A19DD27K	NA	120 V/1-20 VA	-
F19C	SPECTRUM LIGHTING	SPC0304INC-MWL(25W)PAR20-CM-180°-MB	LED PENDANT - 3"		1/LED LR20/40/27K/975/BK		120 V/1-9 VA	-
TB	ACCUSEV	05247-051/052	WALL SCONCE, CUSTOM DARK BRONZE FINISH		18W PAR38 LED		120 V/1-36 VA-0 V/1-0 VA	-
X1B	LIGHTALARMS	GRANNR8	LED UNIVERSAL MNTG THERMOPLASTIC EXIT, RED LETTERS, BLACK HSNG	UNIVERSAL	-/LED	EM	120 V/1-3 VA	-

- 1 PRE-FABRICATED & PRE-FINISHED SOFFIT. REFER TO A7.1 FOR SPECIFICS. (OPTIONAL).
- 2 FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS AND INSTALLATION RESPONSIBILITIES, REFER TO SCOPE OF WORK.
- 3 FIXTURE AND SWITCH FACTORY INSTALLED WITH UNIT. G.C. TO COMPLETE CIRCUITING.
- 4 EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER SHEET E6.1.
- 5 COORD. J-BOX LOCATION WITH WOOD FRAMING SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY MOUNTING HEIGHT WITH ARCH. DWGS.
- 6 PROVIDE POWER TO DRIVE THRU CANOPY LIGHTING FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CANOPY VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO CONNECTIONS.
- 7 PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE FURNISHED WITH CANOPY. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- 8 PROVIDE POWER FOR FREE STANDING CANOPY LIGHTING. E.C. SHALL RUN FEEDERS THROUGH COLUMNS TO LIGHTING FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LIGHTING VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
- 9 REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS ON A4.0 AND A4.1 FOR DIMENSIONED LOCATION OF FIXTURE.
- 10 SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER.
- 11 ALERT LIGHT - ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.
- 12 MOUNT 'E3' AT 8'-6" A.F.G. TO CENTER OF FIXTURE.
- 13 VERIFY MOUNTING HEIGHT FOR SIGN POWER WITH ARCHITECTURAL ELEVATIONS AND SIGN VENDOR.
- 14 PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE FURNISHED WITH CANOPY. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- 15 PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON

SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: AJR
 JOB NO.: 2019088.28

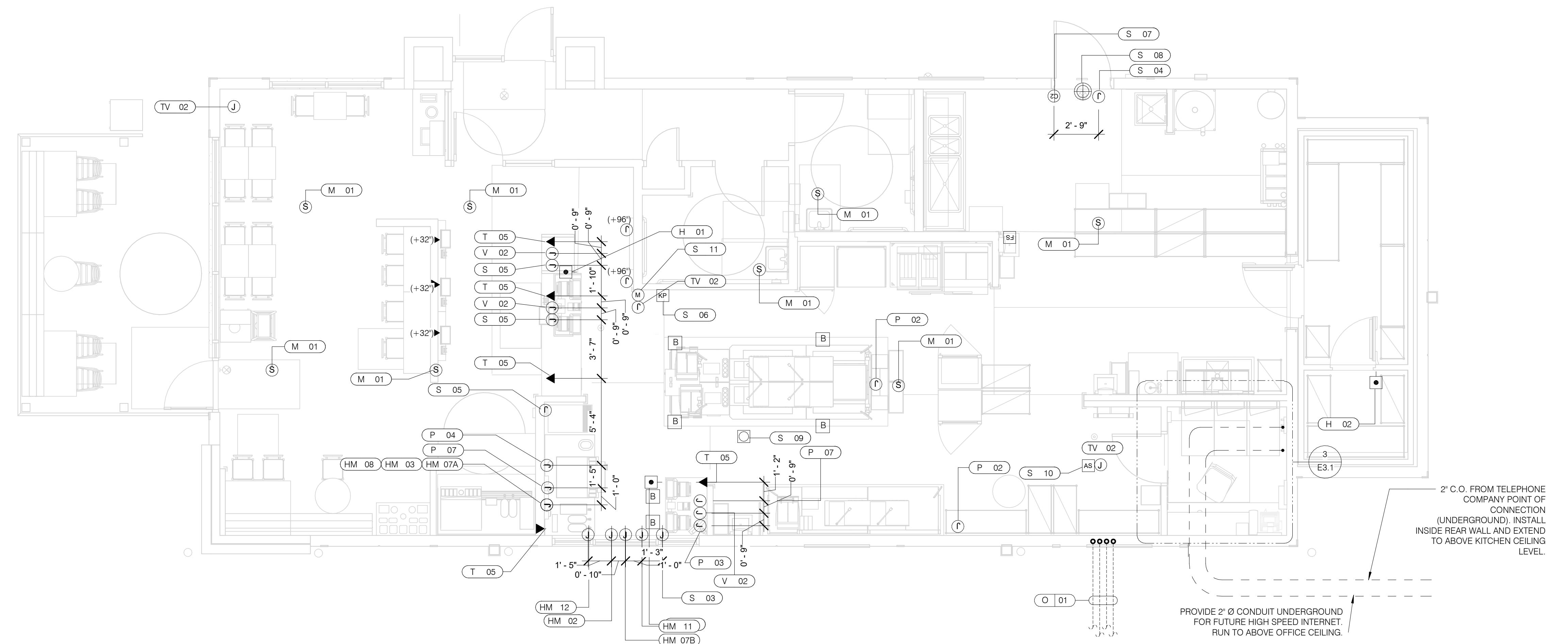
TACO BELL
 36505.26 MILE RD.
 LENOX TWP, MI 48048



ENDEAVOR 2.0
LIGHTING PLAN AND DETAILS

E4.0

PLOT DATE: 1/19/2022 7:35:18 AM



VOLUME CONTROL NOTES:

- 1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).
- 2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).
- 3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER HAVE VOLUME CONTROL BUILT INTO THE SPEAKER ITSELF, OR HAVE A THIRD DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).
- 4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.

COMMUNICATIONS LEGEND		NTS	C
<input type="checkbox"/>	HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)	C2	DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
<input checked="" type="checkbox"/>	MUSIC SYSTEM SPEAKERS		“SOUND ALERT” DEVICE
<input type="checkbox"/>	SECURITY STROBE	KP	KEYPAD (MTD AT 48" A.F.F.)
<input type="checkbox"/>	J-BOX	AS	ALARM SIREN ABOVE CLG
<input type="checkbox"/>	2' x 4' J-BOX W/ DATA PORTS	B	BUMP PAD (MOUNT AT FRONT COUNTER)
<input type="checkbox"/>	MOTION DETECTOR	FS	HOOD FIRE SUPPRESSION SYSTEM PULL STATION
<input type="checkbox"/>	OCCUPANCY SENSOR, CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0		USB OUTLET

COMMUNICATIONS NOTES		NTS	B
A.	SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.). TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.		
B.	SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.		
C.	THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.		
D.	ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETRY ARE TO BE 24" A.F.F. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.		

COMMUNICATIONS ROUGH-IN SCHEDULE				
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H	01	UNDER COUNTER HOLD-UP BUTTON		SEE DETAIL 6/E3.1.
H	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	SURFACE MTD. 2X4 J-BOX ON INSIDE OF WALK-IN FREEZER HINGE WALL W/ (1) 1/2" CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING DOWN. SEE DETAIL 3/E3.1.
HM	02	D/T TIMER SIGNAL PROCESSOR J-BOX	+126" A.F.F.	4X4X4" DEEP (MIN) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B, (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. 5/E3.1.
HM	03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-04. SEE DETAIL 7/E3.1.
HM	07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1" C TO HM-04. SEE DETAIL 7/E3.1.
HM	07B	D/T TIMER DISPLAY J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DETAIL 7/E3.1.
HM	08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN) J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1-1/2" CONDUIT TO HM-02. SEE DETAIL 7/E3.1.
HM	11	D/T CONTROL UNIT J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12. SEE DETAIL 7/E3.1.
HM	12	D/T ETHERNET SWITCH J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-11, (1) 1" CONDUIT TO HM-02 & (1) 1" CONDUIT TO OFFICE ROUTER.
M	01	SPEAKER, CEILING MOUNTED	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.
P	02		CEILING	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE MONITOR J-BOX.
P	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CEILING
P	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
P	07	POS J-BOX W/ 2-1/2" DIA HOLE IN COVER PLATE	+24" A.F.F.	6X6X4" DEEP J-BOX W/ 2-1/2" CONDUIT IN WALL TO ABV. CEILING, WITH PULL STRING FOR POS.
S	03	J-BOX SECURITY SYSTEM	+30" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE.
S	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	TOP OF JAMB 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S	08	“SOUND ALERT” DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S	09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM.
S	11	MOTION / HEAT DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90° A.F.F. FOR OFFICE

COMMUNICATIONS ROUGH-IN SCHEDULE				
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
T	03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T	05	P.O.S. PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02
S	02	J-BOX SECURITY SYSTEMS	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR
T	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
HM	10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING
IR	01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
O	01	(4) 1" DATA CONDUITS	CEILING	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DETAIL 3/E3.0
HM	04	OCB SWITCH	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
T	01	TELEPHONE SERVICE BOX PER LOCAL TELEPHONE COMPANY. PROVIDE 24X24X3/4" PLYWOOD PANEL AT CLG. FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.	+24" A.F.F.	PROVIDE (1) PAIR TELEPHONE CABLE. ONLY (2) LINES TO BE USED. LINE ONE FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.
TV	01	CLOSED CIRCUIT TELEVISION (CCTV)		CCTV INSTALLATION IS BASED ON THE CRIME INDEX AS DETERMINED BY YUM! LOSS PREVENTION MANAGER. THE STANDARD CCTV PACKAGE WILL CONSIST OF (1) CCTV MONITOR W/ WALL BRACKET AND (1) MINI DOME CAMERA MTD. ON BACK SIDE OF BULKHEAD (7 TOTAL)



ENDEAVOR 2.0 COMMUNICATIONS PLAN

E5.0

PLOT DATE: 1/19/2022 7:35:22 AM

TBCCB-3-WOS SEQUENCE OF OPERATION

The intent of the BMS Control Box (TBCCB-3-WOS) is to activate or deactivate the following:

- Kitchen Lighting
- Dining Room Lighting
- Exterior Lighting
- Exterior Signs
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Rest room / cook line exhaust fan
- Managers Office lighting & at least one duplex outlet

Sequence of Operation

(Building) Occupied Mode

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the Timeclock in the Control Box is programmed to place the building in Occupied mode 15 minutes before the first Team Member arrives on the premises. This commands on the following:

- The Parking Lot Lights, provided the photo cell indicates it is dark enough for them to be on
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lights, provided their local switch is in the ON position
- Kitchen and rest room lights, provided their local switch and/or occupancy sensors are in the ON position
- The exhaust hood exhaust fan marked "EF-1"
- The make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

Occupied mode may also be invoked when any of the following occur:

- an Occupancy sensor on the front of the TBCCB-3-WOS panel senses motion
- when an optional remote Occupancy sensor senses motion
- when a remote Occupied switch is in the Occupied position
- when the Occupied/Unoccupied switch on the front of the TBCCB-3-WOS is placed in the MANUAL OCCUPIED position

(Building) Unoccupied Mode

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the Timeclock in the Control Box is programmed to place the building in Unoccupied mode 15 minutes after the last Team Member leaves the premises. This commands OFF the following:

- The Parking Lot Lights
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lights
- Kitchen room lights
- The exhaust hood exhaust fan marked "EF-1"
- The make up air - replacement air fan (evaporator fan) in RTU 1 and RTU 2.

In the event of a rise in temperature above 85 degrees in the exhaust hood, the exhaust fan (EF-1) and the make up air source (RTU 1 and 2) will be activated. When in Unoccupied mode and the temperature under the hood drops below 85 degrees, the exhaust fan and make up air source will turn off fifteen minutes after the 85 degree setting is achieved.

Any detection by the Occupancy sensor in the TBCCB-3-WOS or the optional Remote Occupancy Sensor or the optional Remote Occupancy Switch or ON position of the Manual Occupied switch will override the Timeclock and keep the building in OCCUPIED mode.

(Sales) OPEN mode

When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in OPEN (FOR SALES) mode. This commands on the following:

- The Exterior Building Lights, provided the photo cell indicates it is dark enough for them to be on
- The Exterior Signs, provided the photo cell indicates it is dark enough for them to be on

OPEN for sales mode may also be invoked when any of the following occur:

- when an optional remote OPEN (for sales) switch is in the OPEN position
- when the OPEN/CLOSED switch on the front of the TBCCB-3-WOS is placed in the MANUAL OPEN position

(Sales) CLOSED mode

When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in CLOSED (FOR SALES) mode. This commands OFF the following:

- The Exterior Building Lights
- The Exterior Signs,

Manual CLOSED Mode

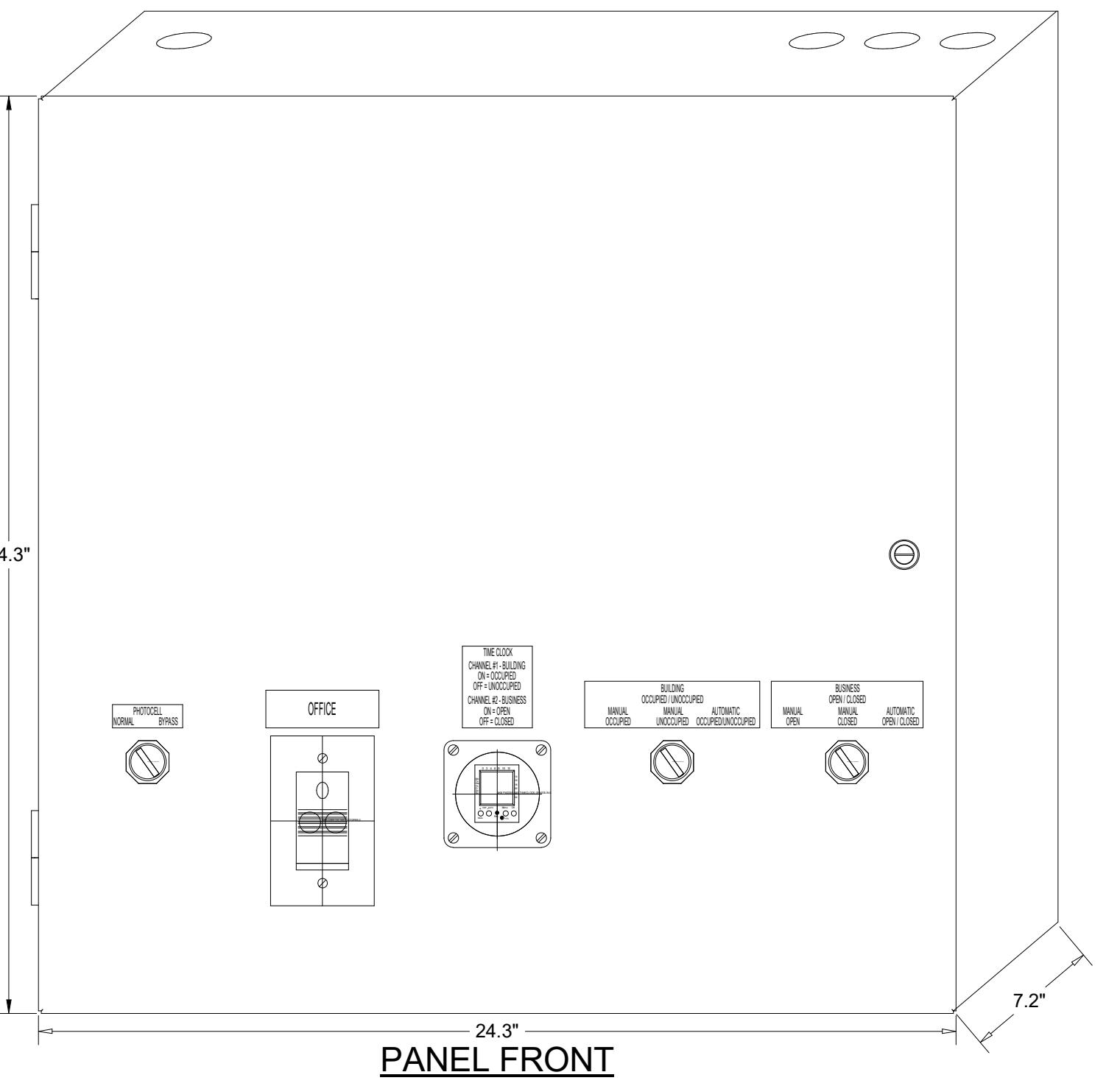
When a Team Member places the OPEN/CLOSED switch in the MANUALCLOSED position it turns off the Signs and Exterior Lights until the switch is placed back in AUTOMATIC or MANUAL OPEN position

External Operations Not Part Of The Control Box

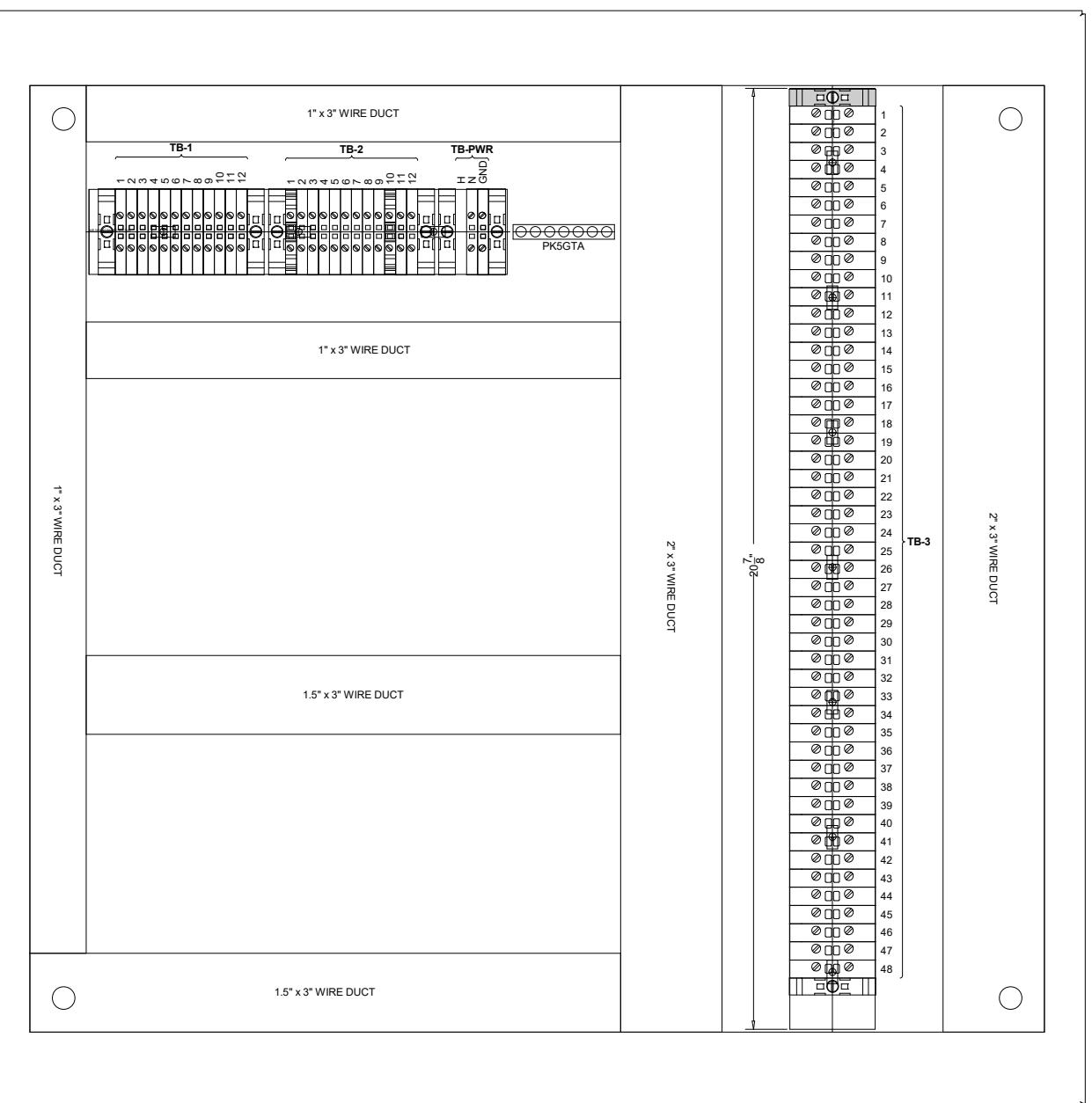
Operation But Required To Be Installed

The following operations should take place between the package units and various components:

- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2 or TBANS control box. See sheet E-7.1.
- A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.

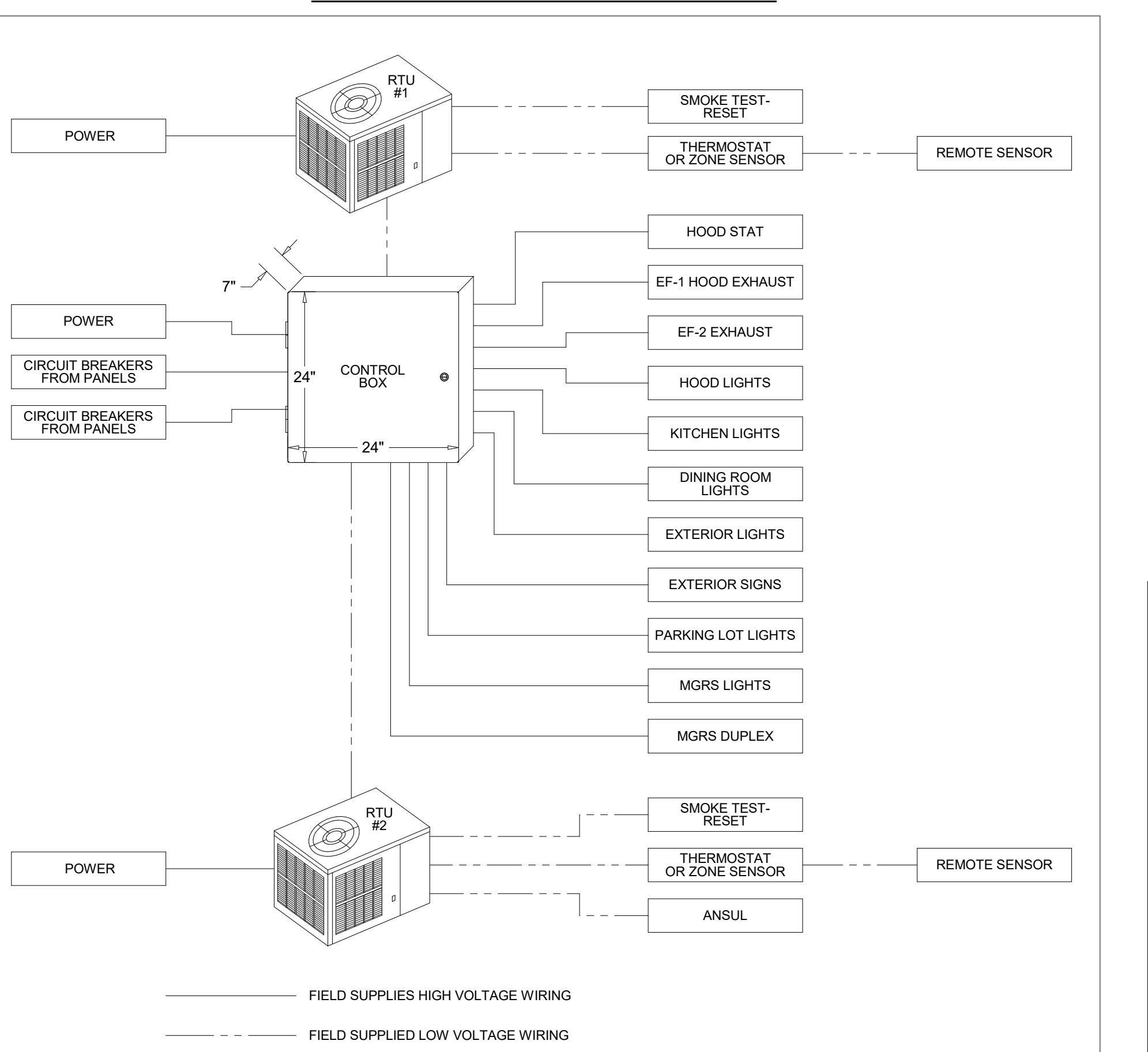


PANEL FRONT



SUBPANEL LAYOUT

TACO BELL COMPONENT RELATIONSHIP



TBCCB-3-WOS



This panel is Listed to applicable UL Standards and requirements by UL. Field wiring or field components are not Listed under this mark.

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REFERENCE
ONLY

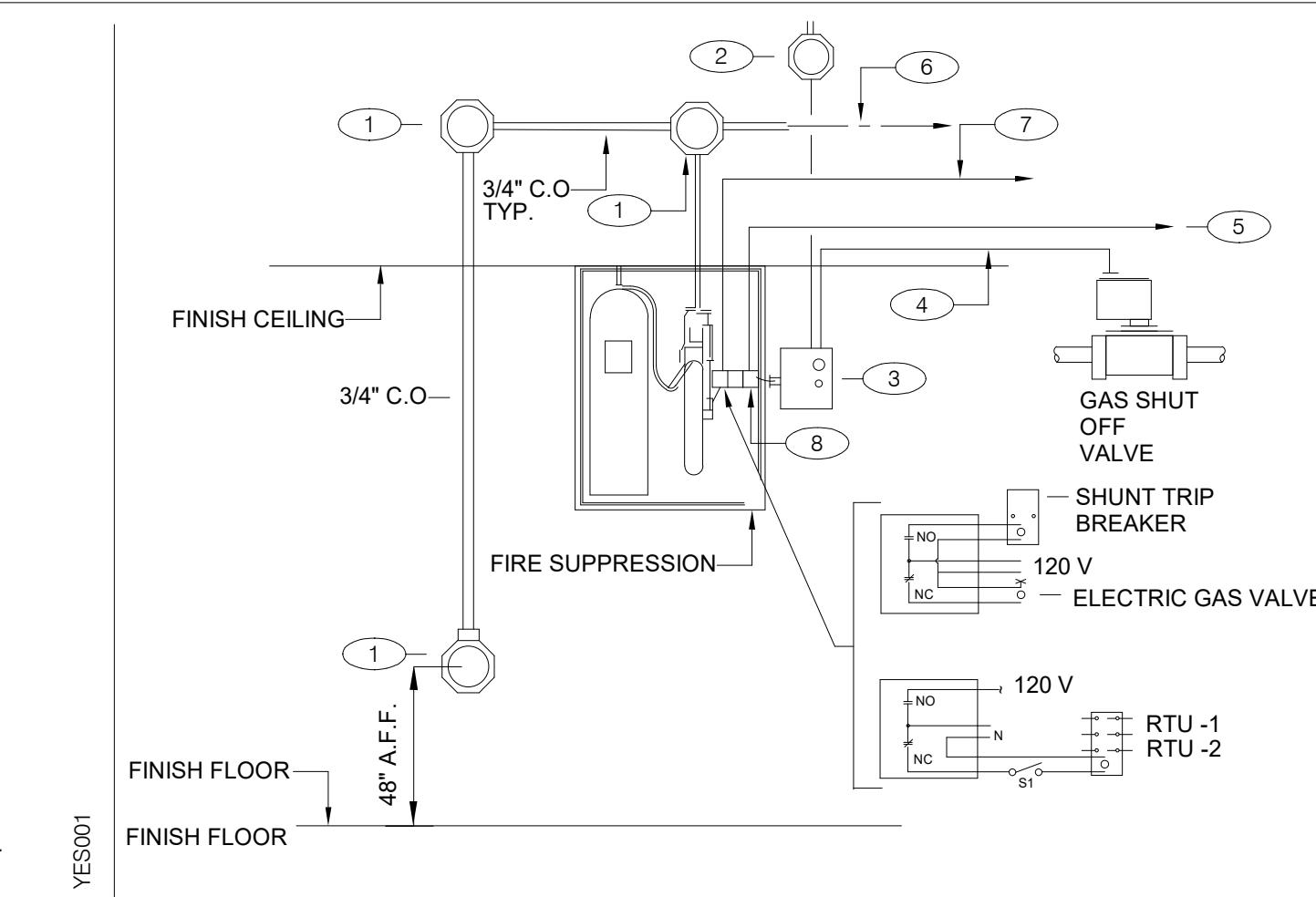
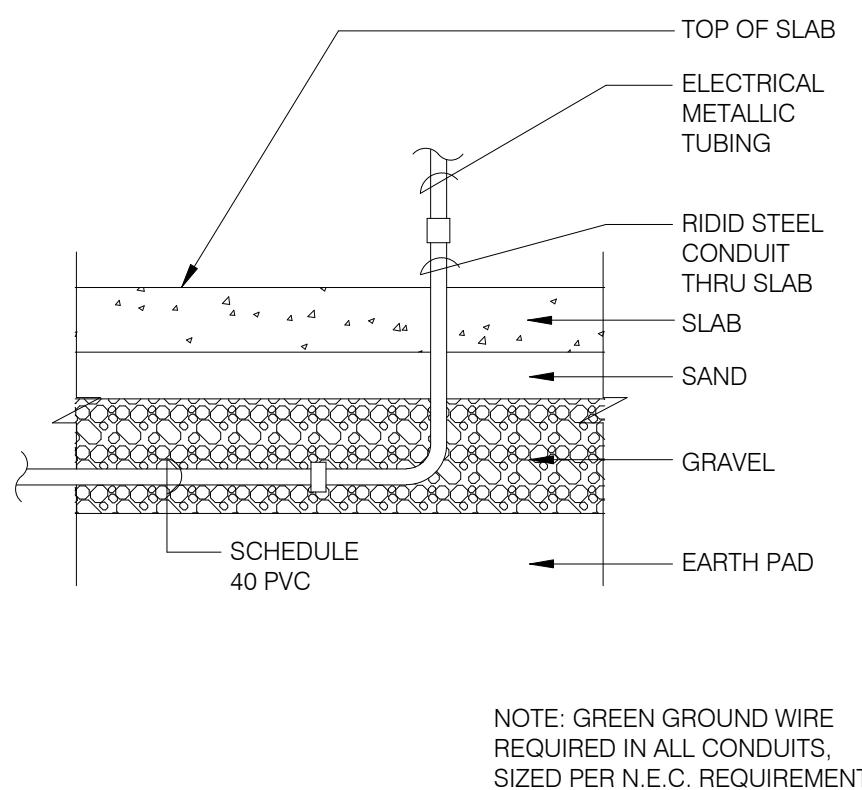
DATE	REMARKS
09.08.21	Issued for Permit
01.10.22	Issued for Bid

CONTRACT DATE: 07.16.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314161
STORE NUMBER: 452611
PA/PM: SM
DRAWN BY: AJR
JOB NO.: 2019088.28
TACO BELL
36505 26 MILE RD.
LENOX TWP, MI 48048



ENDEAVOR 2.0
ELECTRICAL
DETAILS -
TBCCB

E6.0



GENERAL NOTES:

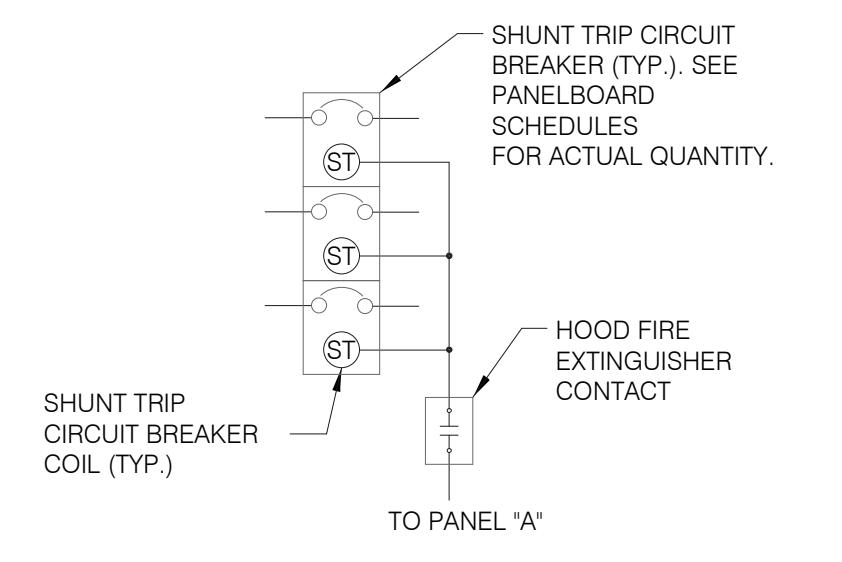
1. REFER TO SHEET M3.0

KEY NOTES:

1. PROVIDE 4" OCTAGONAL J-BOX.
2. PROVIDE J-BOX, AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. CONNECT TO TBANS. SEE SHEET 7.1.
3. TBANS INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE CONNECTIONS TO TBANS BOX FOR HOOD SHUTDOWN. SEE SHEET E7.1 FOR TBANS WIRING DIAGRAM.
5. PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN INTERFACE THROUGH MICROSWITCH ON HOOD.
6. CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
7. PROVIDE INTERCONNECTION BETWEEN FIRE SUPPRESSION MICROSWITCH AND TBANS. SEE SHEET E7.1.
8. FIRE SUPPRESSION SYSTEM TO INCLUDE TWO MICROSWITCHES. EACH MICROSWITCH SHALL HAVE A COMMON, NORMALLY OPEN AND NORMALLY CLOSED POLE.

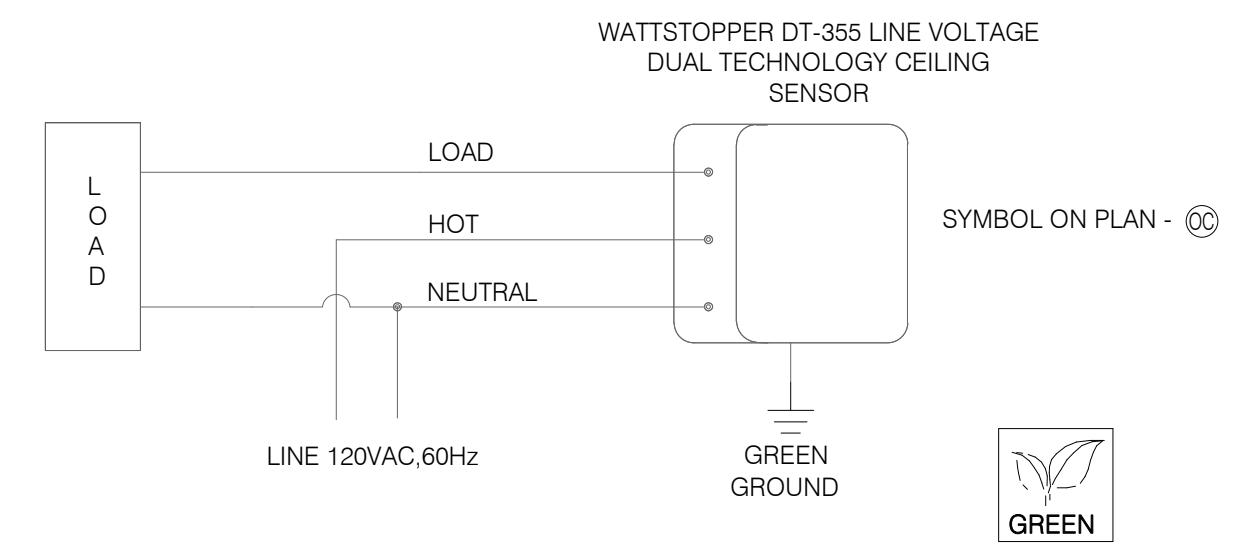
UNDER SLAB CONDUIT N.T.S. 7

FIRE SUPPRESSION SYSTEM WIRING DIAGRAM N.T.S. 4

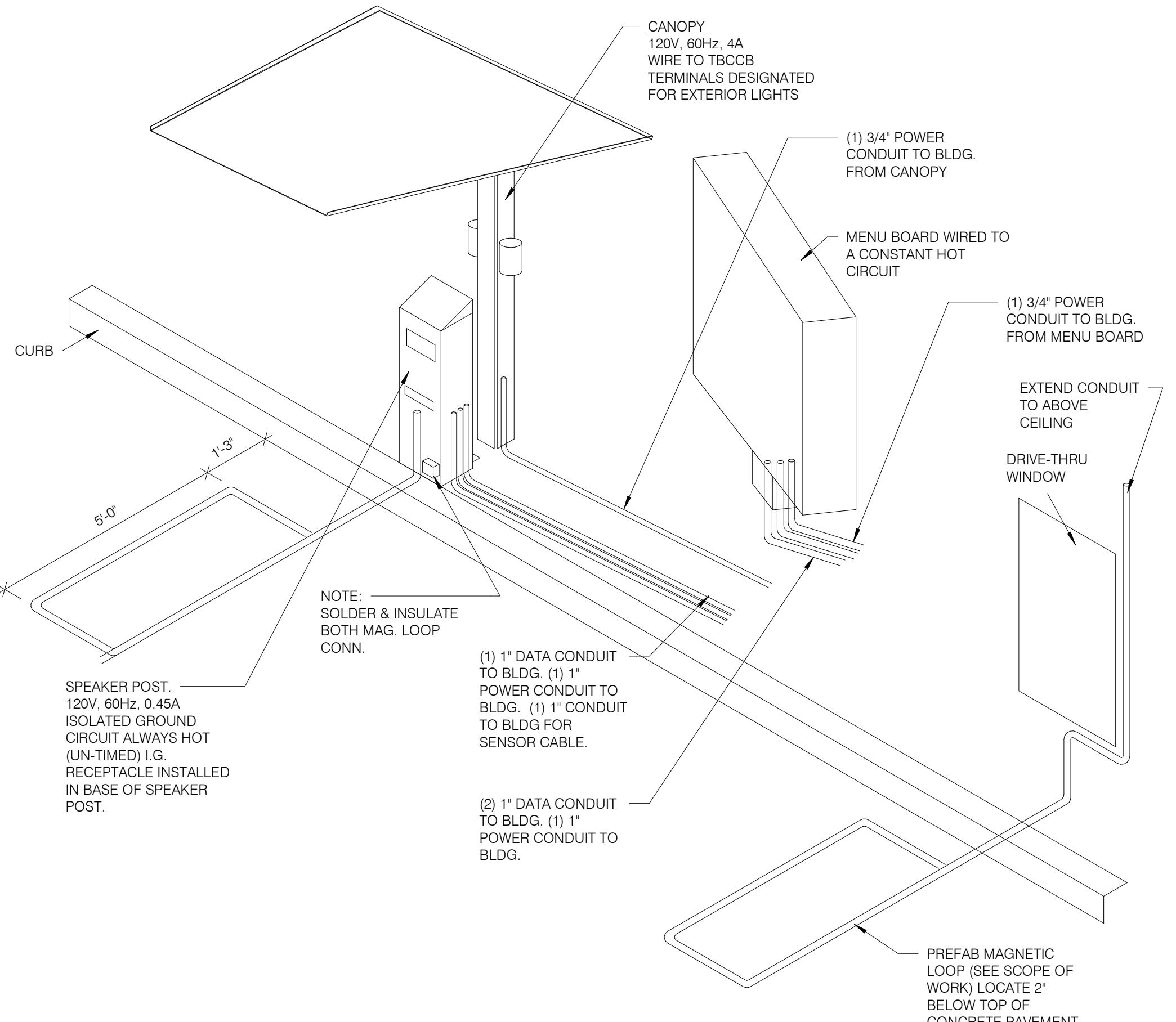


SEQUENCE OF OPERATION:
 UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION SYSTEM RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE ALL SHUNT TRIP CIRCUIT BREAKERS TO OPERATE, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD. EXHAUST FANS SHALL NOT BE AFFECTED BY THIS ACTION AND SHALL CONTINUE TO BE CONTROLLED AS INDICATED IN THE SEQUENCE OF OPERATIONS INDICATED ON CONTROLS SHEETS E6.0 AND E6.1

SHUNT TRIP DETAIL N.T.S. 1



CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. 2



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: AJR
 JOB NO.: 2019088.28

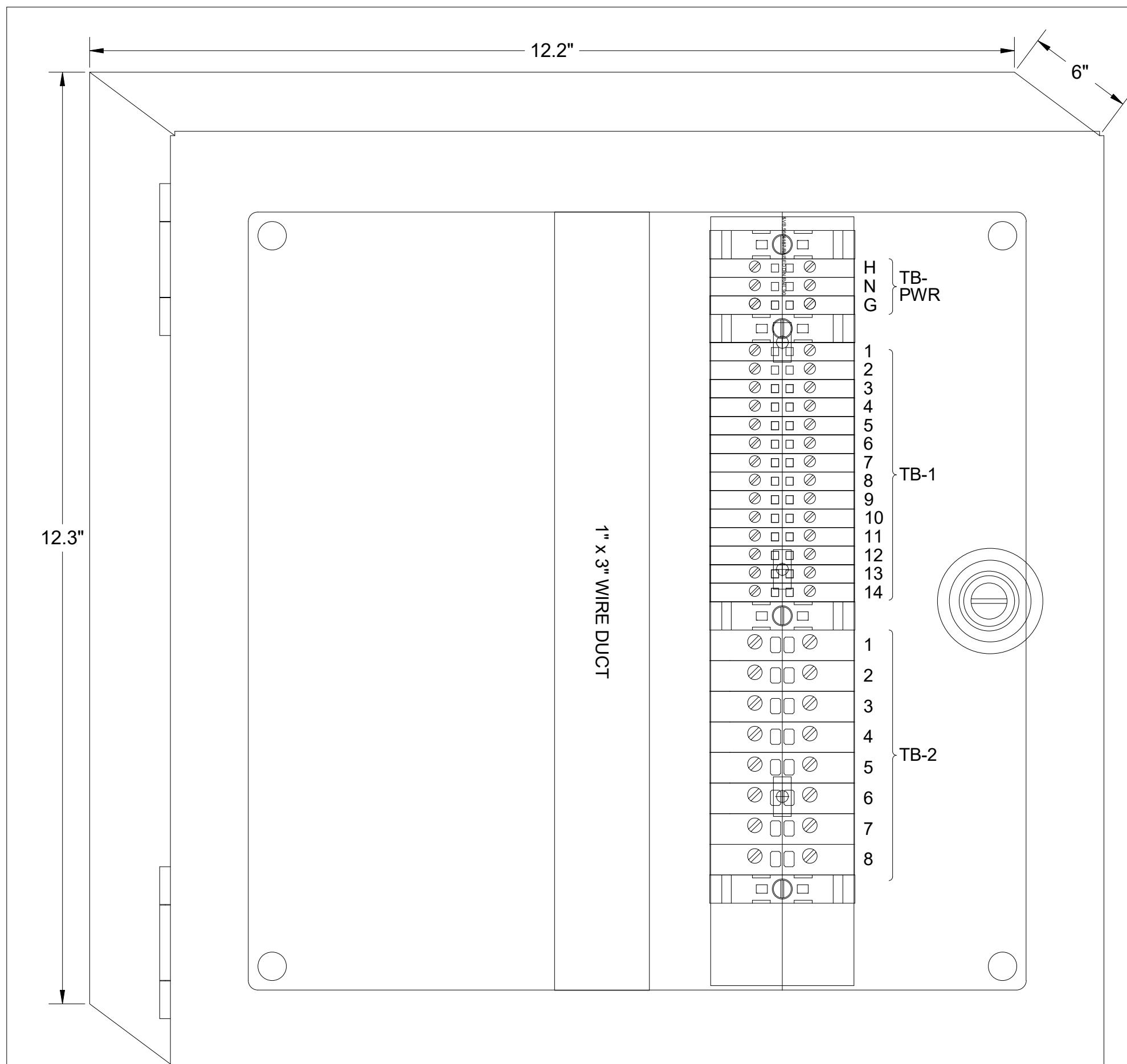
ENDEAVOR 2.0
ELECTRICAL
DETAILS

E7.0

NOT USED N.T.S. 9

NOT USED N.T.S. 6

NOT USED N.T.S. 3

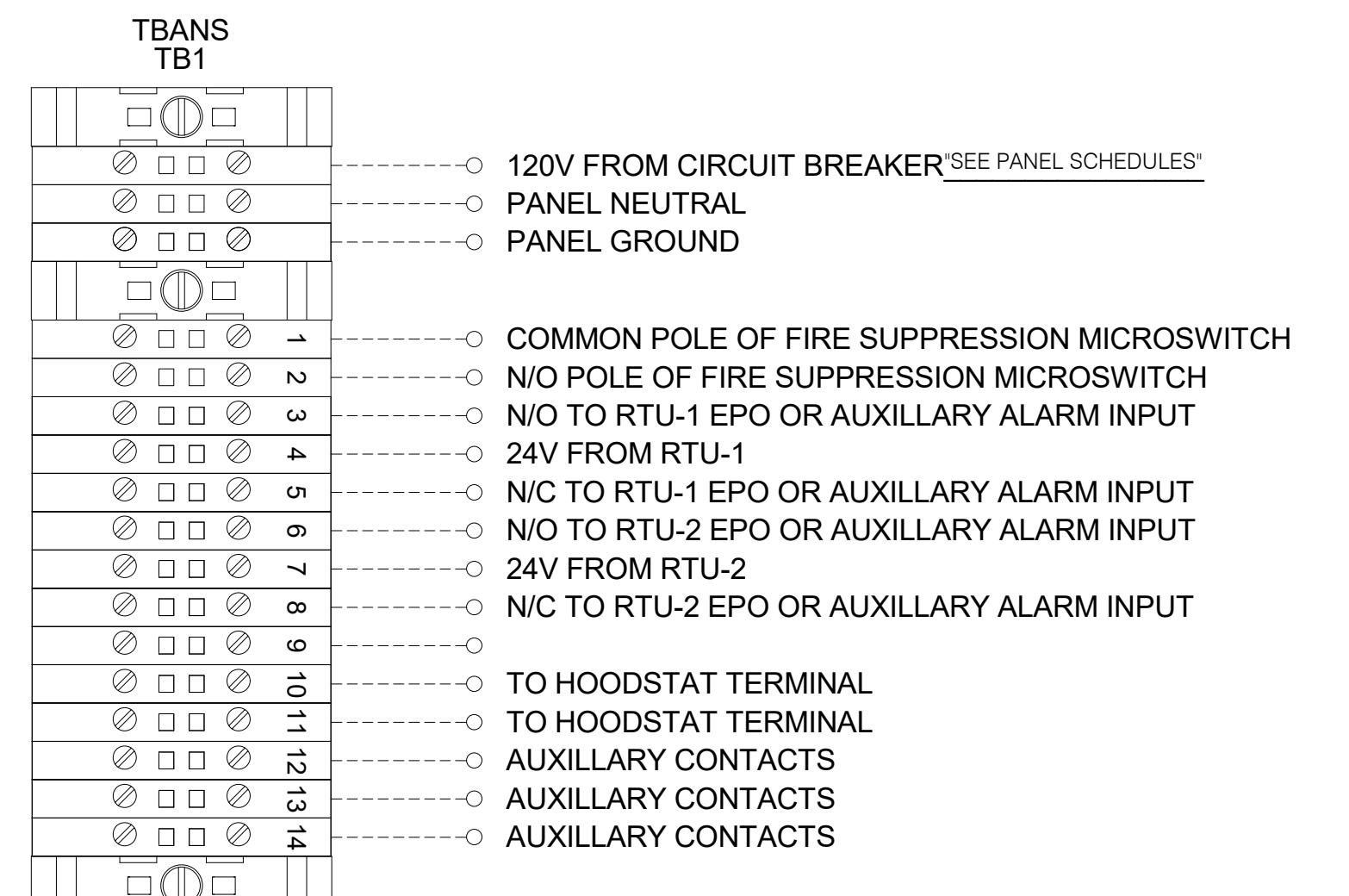


1 TBANS PANEL DIMENSIONS NTS

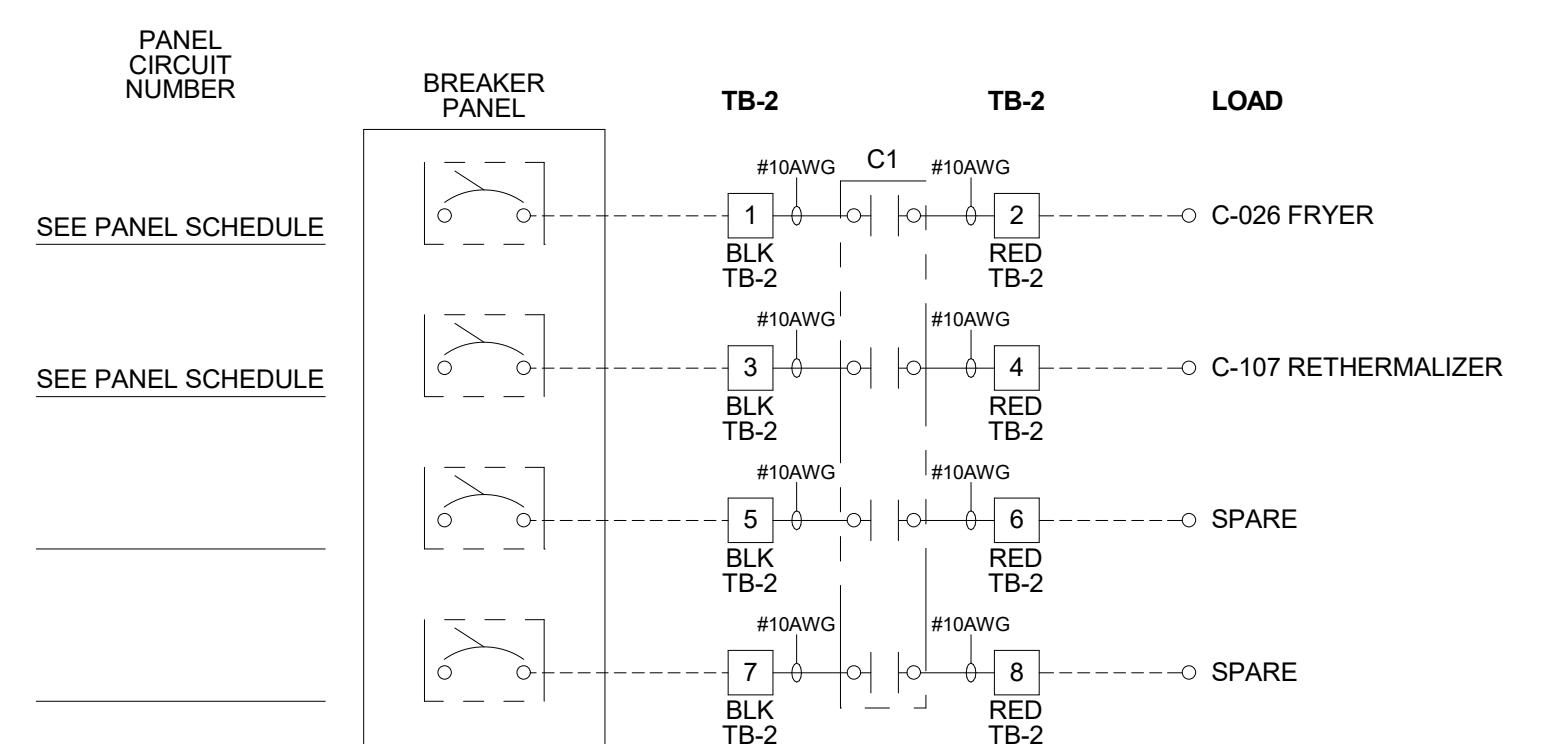
SEQUENCE OF OPERATION:
 ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM RELAY SHALL CAUSE TBANS TO DE-ENERGIZE LOAD, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD.

CONTROL BOX
 TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBANS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 NOTE: TBANS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO
~~VERIFY~~ INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX.
 PRIMARY CONTACT: CHUCK MCCABE
 PHONE: 949 770 2222
 EMAIL: INFO@ACE-EMS.COM

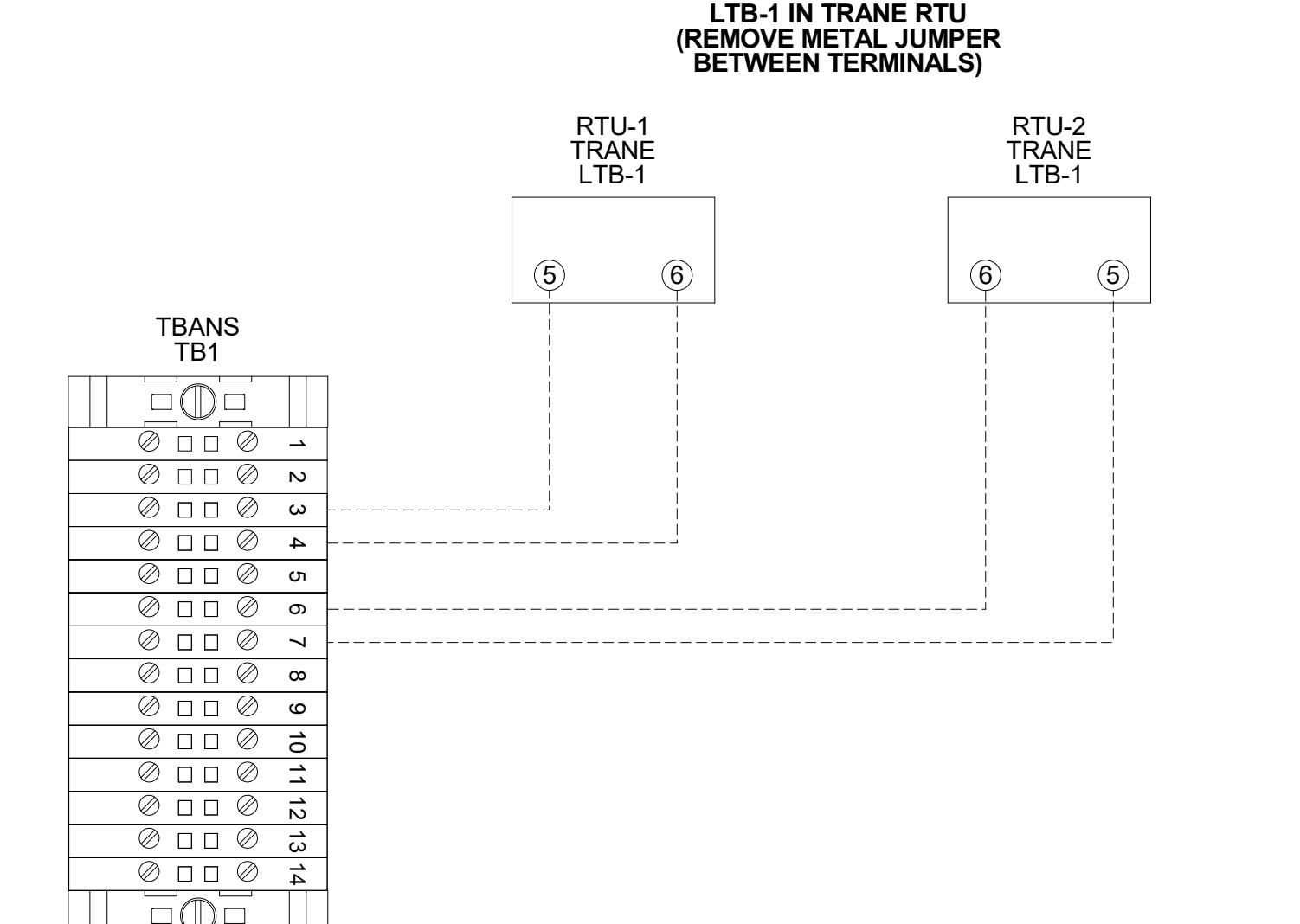
TACO BELL REQUIRES VISUAL CERTIFICATION OF THIS INSTALLATION SEE SHEET M5.0 CONTACT CERTIFY@ACE-BCX.COM OR (949)-770-2222



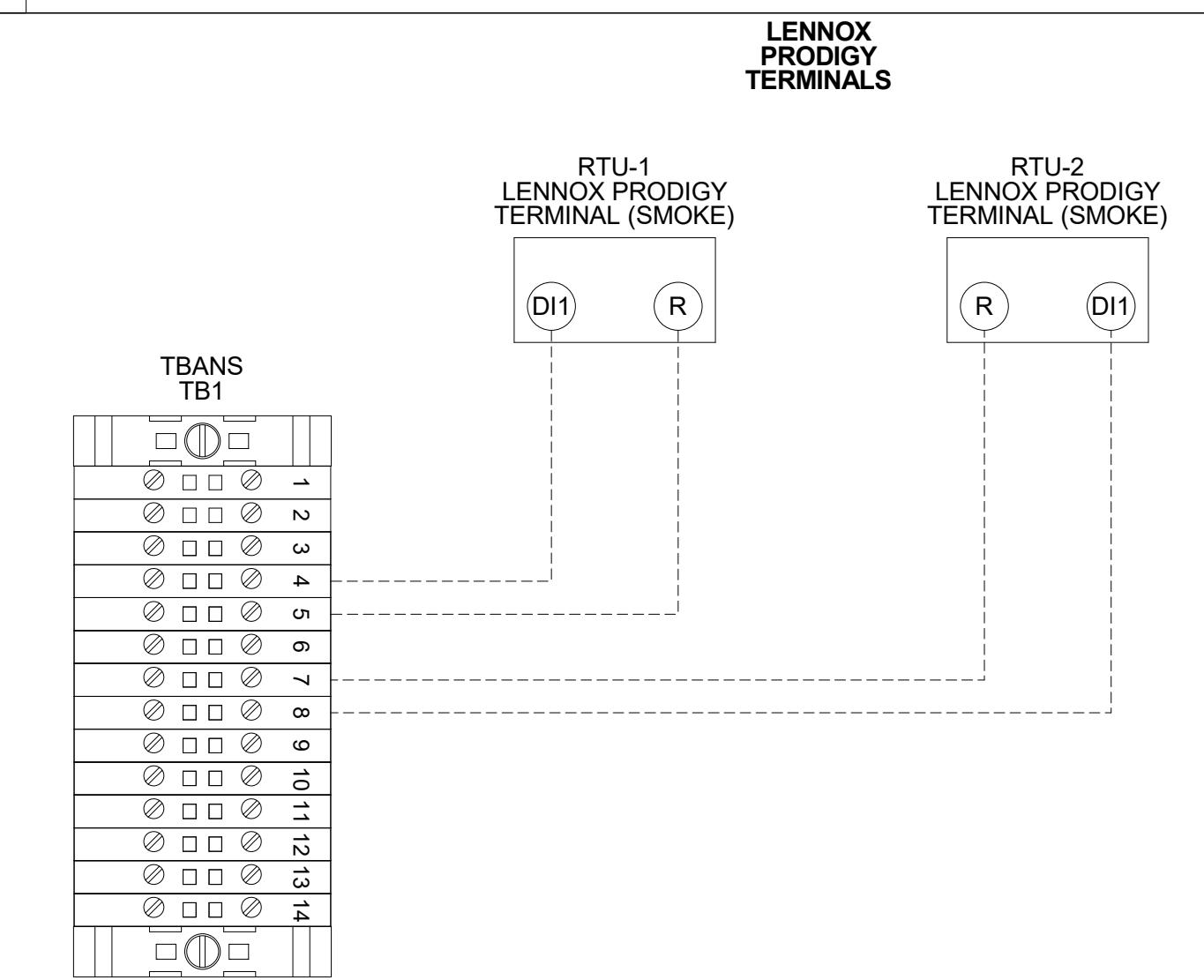
2 TBANS FIELD CONNECTIONS - VARIOUS NTS



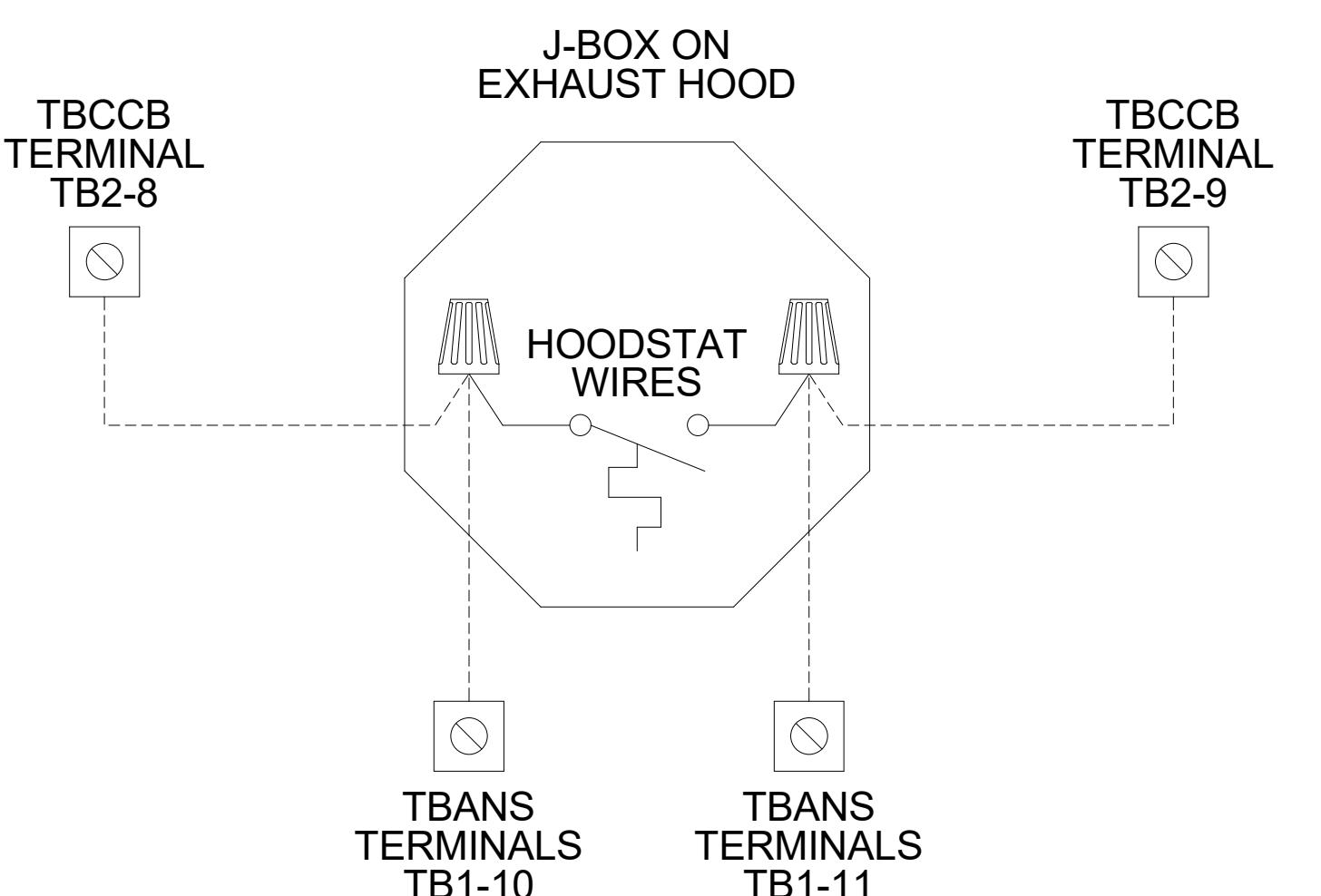
3 TBANS FIELD CONNECTIONS - APPLIANCES NTS



6 TBANS TO TRANSE RTU SHUTDOWN NTS



5 TBANS TO LENNOX PRODIGY SHUTDOWN NTS



4 TBANS TO HOODSTAT TO TBCCB NTS

FOR
REFERENCE
ONLY

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER: DICKSON
 SITE NUMBER: 314161
 STORE NUMBER: 452611
 PA/PM: SM
 DRAWN BY: AJR
 JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
 LENOX TWP, MI 48048



ENDEAVOR 2.0
ELECTRICAL DETAILS

E7.1

TITLE	DESCRIPTION	SUPPLIER	MANUFACTURER'S MODEL	A&D ITEM #	ORDERED BY	SHIPPED BY	INSTALLED BY	SHOP DRAWINGS
6200	Roof Access Ladder & Hatch	Precision	FL 184 (Ladder) & PLHG (Hatch)	B-049 (Ladder) & B-050 (Hatch)	DIS	DIS	GC	
8341	Door - Security	LockNet	DU3670L52VED	-	RSCS	RSCS	GC	
10290-1	Air Curtain (D/T Window)	Marley	E2400-1115FG	B-151	DIS	DIS	GC	
10290-2	Air Curtain (Service Door)	Marley	E4200-1175	B-150	DIS	DIS	GC	
	Exterior Digital Menu Board & Optional Digital Preview Board	Everbrite		-	CM (Company), CM or DIS (Franchise)	Manufacturer	GC - Foundation and Conduit Sign Vendor DMB Inc	X
		Stratacache						
	Interior Menuboard	VGS			DIS	Manufacturer	GC	
	Digital Menu Board	Stratacache	-	-				
10430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10810	Restroom Accessories	Accuserv	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-275, B-290 (where occurs), B-291 (where occurs), B-300, B-305, B-405, B-410	DIS	DIS	GC	
11020-1	Safe	Brinks	Tidel Series 4 (duel single note validator, standard side vault)	F-174	CM	BRINKS	BRINKS	
11020-2	Security System	Tyco		-	CM	Manufacturer	GC	X
11030-1	Drive-thru Window	Quikserv	QKSRVSC4030BR	B-140	RSCS	Manufacturer	GC	
11030-3	Drive-thru Clearance Bar	Cummings Signs	VARIES	-	CM	Manufacturer	GC	
		Everbrite (Preferred Supplier)	VARIES	-				
		AGI	-	-				
11030-4	Drive-thru Sensor Loops	ERC Parts Inc.	WX8171	-	Manufacturer	Manufacturer	GC	
11100-3	P.O.S.	IBM	VARIES	TB / IT	Manufacturer	SSP		X
		NCR	VARIES					
		PAR	VARIES					
11100-4	Credit Card Payment System	Hughes Network Systems		-	TB / IT	Manufacturer	SSP	
11300-1	Order Confirmation Board (OCB)	Delphi Display Systems	P6YUC5STDUSVV1S: P6YOCSTDUSEN1S	-	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive	TDMHX2H01TCB; TDMHX1H26	L-090				
		Texas Digital	AVNGE60	L-095				
11300-2	Drive-thru Speaker & Microphone	HME	C400005HS3TB; C11422TB	U-011; S-204	DIS	Manufacturer	GC	
		3M Food Services Trad Dept	78691149153; G55HSSINGLE	-				
11300-4	DT Canopy	Cummings Signs	VARIES	V-350	CM, Franchisee or DIS on behalf of Franchisee	Manufacturer	GC (see Scope of Work notes)	X
		Everbrite (Preferred Supplier)	VARIES					
		AGI	VARIES					
11400-1	Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	X
		RSCS (Preferred Supplier)	VARIES					
11400-5	GTO with EVO Production Line	Defield	VARIES	VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	X
		Duke	VARIES	VARIES				
		Carter Hoffman (Evo cabinets)	VARIES	VARIES				
11405-3	Kitchen Shelving / Workstations	I.S.S.	VARIES	VARIES	DIS	DIS	GC	
11405-4	Walk-In Cooler / Freezer (Panelized)	I.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	X
		Norlake	VARIES	VARIES				
11425	Exhaust Hoods	Stratovent (preferred supplier)	VARIES	VARIES	DIS	DIS	GC	X
		Gaylord Industries (Boiler hood)	VARIES	VARIES				
		Randell (alternate supplier)	VARIES	VARIES				
11430-2	Drink Dispensers / Line Sets	Pepsi	-	-	RSCS	Pepsi	Pepsi (Local installer)	
11435-6	Ice Machines	Manitowoc Ice Inc & Hoshizaki	Manitowac SY-1474C	S-513	DIS	Manufacturer	Manufacturer (Local Installer)	
11680	Office Computer (Taco System)	En Pointe Global Services	VARIES	F-040, F-060	TB / IT	SSP	SSP	
12100-1	Artwork	GFX	VARIES	-	DIS	DIS	GC	
		VGS						
		Creative Pallete						
12400-5	Décor	Custom Seating (Company Supplier, base décor)	VARIES	-	DIS	DIS	GC	X
		FCI (Company Supplier, base décor)	VARIES	-				
		IDX	VARIES					
12430	Fruitista Machine	Equipment Delivery, Install and Activation	VARIES	VARIES	DIS - Equipment; GC - Installation & Setup (notify vendor 2 weeks from install date)	DIS	Service Agents - ICEE (East) or RepTec (West)	
		FBD Equipment Manufacturer	VARIES	VARIES				
		Cornelius	VARIES	VARIES				
		Taco Bell Engineering	VARIES	VARIES				
12440	Iced Tea	Pepsi	E56150000	S-546	DIS	Supplier	GC / Supplier	
13200	CO2 - Bulk	MVE (bulk tank)	VARIES	S-580	DIS	DIS	Manufacturer (Local Installer)	
		NU CO2 (CO2 and service)	VARIES	S-580				
13700-4	CCTV	MARTCO	-	-	RSCS	MARTCO	MARTCO	X
13800-1	Energy/Building Management System	Air Care Experts	TBCCB-Varies	-	DIS	DIS	GC	
		Air Care Experts	TBANS	-	DIS	DIS	GC	
13800-2	Hood Shutdown System	Air Care Experts	-	-	Contractor	Air Care	GC	
13900-1	Fire Suppression System	Ansul	-	-	GC	GC	GC (Local Installer)	
15410	Hand Sinks	Aero	HS-Mod	N-053	DIS	DIS	GC	
15470-5	Water Filter	Shurflo	WB6-M3-22-003	-	DIS	Manufacturer	GC (see Vendor Scope - Pepsi Drink System)	
15480-3	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215	RSCS	RSCS	GC	
		Bradford White (alternate)	B-215	-				
		Water softener	-	-	RSCS	RSCS	GC	
15500-1	HVAC - Test and Balance	-	-	-	Determined by CM or RCM; Approved options - GC CM/RCM	Determine by CM or RCM; Approved options - GC CM/RCM	Determined by GC / CM / RCM	X
15500-2	Commissioning	Air Care Experts	-	-				
15500-3	Visual Verification	Air Care Experts	-	-	GC	Air Care Experts	GC	
15700-1	HVAC	Trane (Franchisee Only)	VARIES	-	GC	Manufacturer	GC	X
		Lennox (Company and Franchisee Stores)	VARIES	-				
		York International (Franchisee Only)	VARIES	-				
16300-1	Switchgear - Franchisee	Accuserv	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	X
		Capital Lighting	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	
16300-2	Switchgear - Company	Capital Lighting	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	X
		Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	
16500	Light Fixtures - Interior and Building	Capital Lighting	VARIES	-	DIS	DIS	GC	X
16520	Light Fixtures - Site	Accuserv (all lighting except BOH & restrooms)	VARIES	-	DIS	DIS	GC	
		Capital Lighting	VARIES	-				
		Accuserv	VARIES	-	DIS	DIS	GC	
16720	Telephone Communications	YUM! Telecom (Company stores)	-	-	TB	Manufacturer	Manufacturer (Local Installer)	X
		By owner through local phone service provider (franchise)	-	-	Franchisee	Manufacturer	Manufacturer (Local Installer)	
16820-3	Music System	Mood Media	-	F-131	TB	Manufacturer	Manufacturer (Local Installer)	X
		Bunn	42300.0008	S-547	RSCS	RSCS	GC	
		Coffee Brewer						
		Floor and Wall Tile	Creative Materials	-	GC	Manufacturer	GC	X

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314161

STORE NUMBER: 452611

PA/PM: SM

DRAWN BY: RS

JOB NO.: 2019088.28



TACO BELL

36505.26 MILE RD.
LENOX TWP, MI 48048

TACO BELL

Installation, Start Up and Pre-Commissioning Checklist

= Responsible Party
Initial When Completed

Standard RTU	Multi-Speed RTU	Reference #	PROCESS	GC - General Contractor	EC - Electrical Contractor	MC - Mechanical Contractor	PC - Plumbing Contractor	AB - Air Balance Agency	CA - Commissioning Agent (CA Contracted by Owner)	Remarks
		1	Package Units							
X X	X	2	Reference and abide to all instructions in manufacturers Installation, Startup, Operation and Maintenance literature							
X X	X	3	Units are set level							
X X	X	4	Units and plenums align to each other							
X X	X	5	Units and plenums are properly sealed to each other							
X X	X	6	All loose shipped components are relocated and installed per manufacturers instructions							
X X	X	7	a) economizer eyebrow, skirts and mist eliminator installed							
X X	X	8	b) economizer dampers and linkage installed and operable							
X X	X	9	c) economizer wiring connected and completed							
X X	X	10	d) relief damper or power exhauster installed and operable							
X X	X	11	e) smoke detectors and sample tubes relocated and installed per manufacturers instructions							
X X	X	12	Utilities are installed and ON to the units							
X X	X	13	a) power on and breakers sized to unit rating							
X X	X	14	b) phases correct							
X X	X	15	c) gas on							
X X	X	16	d) gas gooseneck or pipe capacity meets or exceeds unit capacity							
X X	X	17	e) condensate line is piped per plan							
X X	X	18	f) condensate vent is on leaving side of trap							
X X	X	19								
X X	X	20	No thermostat, smoke detector, remote enunciator or any other wiring runs through the plenums							
X X	X	21	Manufacturers start up procedure has been followed and all units evaporator fan operates through all fan stages per manufacturers instructions							
X X	X	22	Manufacturers start up procedure has been followed and all units cycle through all heating stages per manufacturers instructions							
X X	X	23	Manufacturers start up procedure has been followed and all units cycle through all cooling stages per manufacturers instructions							
X X	X	24	Manufacturers start up procedure has been followed and all units cycle through all economizer stages per manufacturers instructions							
		25								
		26								
		27								
		28	Ductwork							
X X	X	29	All ductwork and registers are installed per plan							
X X	X	30	All starters and or take offs are radused per plan.							
X X	X	31	Ductwork from the exhaust register over production line to EF-2 fan base is 100% rigid per plan							
X X	X	32	Balance dampers are in sleeves on axles with locking quadrant, not located in any starter collars, "I's or "V's and located per plan							
X X	X	33	Balance damper handles are flagged to identify their location							
		34								
		35								
		36	Economizer							
X X	X	37	All mechanical components related to the economizer have been installed							
X X	X	38	"Blank off" plate under economizer eyebrow has been installed							
X X	X	39	Barometric relief damper operates freely							
X X	X	40	Input sensors for the Economizer have been properly located and connected to the Economizer							
X X	X	41	Economizer has been tested to perform "Free" cooling when ambient conditions are below 55 degrees							
X X	X	42	Mechanical cooling stages on when Economizer cooling is not available							
X X	X	43	Mechanical cooling stages on with the Economizer cooling when conditioned space temperature rises and requires two stage cooling							
X X	X	44	Economizer damper positions to minimum damper position when set							
		45								
		46	Smoke Detectors							
X X	X	47	Smoke detector option has been included in package unit							
X X	X	48	Return side smoke detector has been relocated from its shipping position to the factory provided installation location in the return section of the package unit							
X X	X	49	All smoke detector sample tubes are properly located per manufacturers design							
X X	X	50	The return smoke detector in each unit has been tested for unit shutdown							
X X	X	51	The supply smoke detector in each unit has been tested for unit shutdown							
X X	X	52	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
		53								
		54	Remote Smoke Detector Enunciators and Resets							
X X	X	55	A remote smoke detector enunciator and reset has been installed in the managers office for each package unit							
X X	X	56	RTU 1 supply side smoke detector alarm sets off the visual and audible remote							
X X	X	57	After triggering RTU 1 supply side smoke detector alarm, resetting the remote smoke detector reset for RTU 1 returns RTU 1 to normal operation							
X X	X	58	RTU 1 return side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 1							
X X	X	59	After triggering RTU 1 return side smoke detector alarm, resetting the remote smoke detector reset for RTU 1 returns RTU 1 to normal operation							
X X	X	60	RTU 2 supply side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 2							
X X	X	61	After triggering RTU 2 supply side smoke detector alarm, resetting the remote smoke detector reset for RTU 2 returns RTU 2 to normal operation							
X X	X	62	RTU 2 return side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 2							
X X	X	63	After triggering RTU 2 return side smoke detector alarm, resetting the remote smoke detector reset for RTU 2 returns RTU 2 to normal operation							
X X	X	64	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
		65								
		66	Power Exhauster							
X X	X	67	Power Exhauster has been installed							
X X	X	68	Power Exhauster "On" setpoint has been set and turns on and off at correct economizer opening percentage							

Installation, Start Up and Pre-Commissioning Checklist

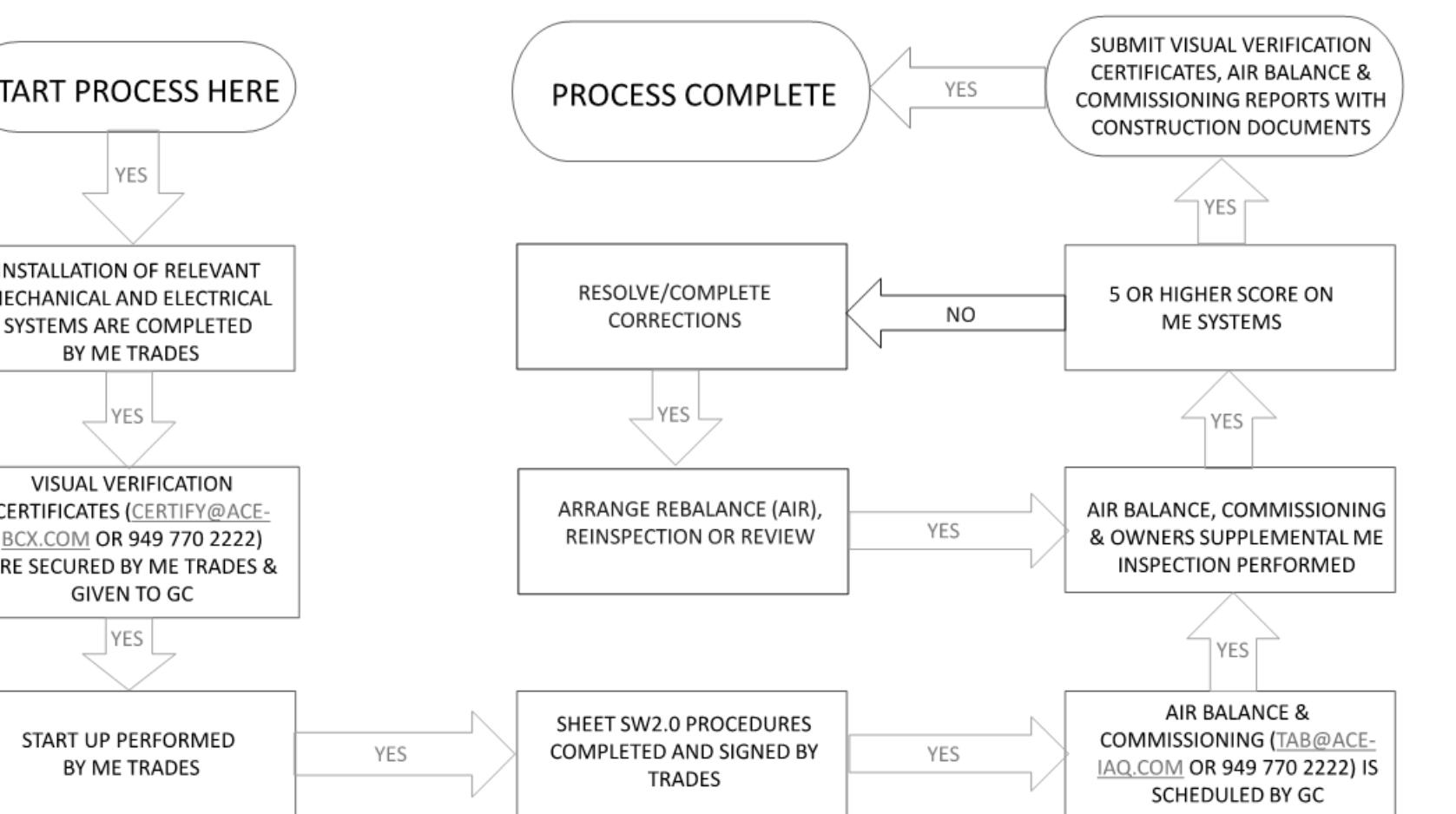
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Standard RTU	Multi-Speed RTU	Reference #	PROCESS	GC - General Contractor	EC - Electrical Contractor	MC - Mechanical Contractor	PC - Plumbing Contractor	AB - Air Balance Agency	CA - Commissioning Agent (CA Contracted by Owner)	Remarks
		69								
X X	X	70	Fire Suppression System Shutdown							
X X	X	71	TBANS-1 has been installed per plan location							
X X	X	72	TBANS-1 has dedicated power to terminals TB-PWR							
X X	X	73	TBANS terminals TB1-1 and TB1-2 are wired to "Closed when Cocked" terminals of fire suppression system microswitch per detail							
X X	X	74	RTU 1 and RTU 2 low voltage control power is wired through terminals in TBANS-1							
X X	X	75	If present, electronic gas valve is wired through TBANS							
X X	X	76	If required, TBANS to hoodstat has been wired for EF-1 on during supressant discharge event							
X X	X	77	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
		78								
		79	Thermostat							
X X	X	80	Thermostats are wired to package units per thermostat and unit wiring diagrams							
X X	X	81	Package units equiped with two stage cooling have each cooling stage individually wired and control from their thermostat.							
X X	X	82	Package units equiped with two stage heating have each heating stage individually wired and control from their thermostat.							
X X	X	83	Thermostats are wired to TBCCB Control Box per Detail on plan sheet E-6							
X X	X	84	Thermostats are programmed to Taco Bell parameters							
X X	X	85	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
X X	X	86								
		87								
		88	Hoodstat							
X X	X	89	Hoodstat has been installed in duct or hood per plan							
X X	X	90	Hoodstat is wired to terminals TB2 of the TBCCB Control Box							
X X	X	91	Hoodstat microswitch closes at 85 degrees							
		92								
		93								
		94	TBCCB & Interlock							
X X	X	95	Unswitched power is provided to H=HOT and N=Neutral and G=Ground terminals in the TBCCB Control Box							
X X	X	96	Hoodstat wires are landed on terminals TB2 of the TBCCB Control Box							
X X	X	97	Low voltage wiring has been completed between RTU 1 and TB-1 of the TBCCB Control Box							
X X	X	98	Low voltage wiring has been completed between RTU 2 and TB-1 of the TBCCB Control Box							
X X	X	99	Photocell is wired to the TBCCB per detail							
X X	X	100	Any optional switches, if used, have been installed to TBCCB per schematic "Occupied" and "Unoccupied" times for the building have been programmed into Channel/Switch 1 of the Timelock in TBCCB Control Box							
X X	X	101	"Open" and "Closed" times for Taco Bell sales have been programmed into Channel/Switch 2 of the Timelock in TBCCB Control Box							
X X	X	102	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
		103								
		104								
		105	Visual Verification							
X X	X	106	Visual Verification installation certificate has been received for Smoke Detectors							
X X	X	107	Visual Verification installation certificate has been received for Remote Smoke Detectors Enunciators and Resets							
X X	X	108	Visual Verification installation certificate has been received for Thermostat and Remote Sensors installation							



GPD GROUP
Professional Corporation
520 S. MAIN STREET, SUIT 253
AVON, OH 44311
330.572.2100 FAX: 330.572.2102

MECHANICAL – ELECTRICAL (ME) BALANCING & COMMISSIONING SEQUENCE & PROCEDURE



	DATE	REMARKS
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	01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21
 BUILDING TYPE: END. MED20
 PLAN VERSION: MARCH 2021
 BRAND DESIGNER:
 SITE NUMBER: 314161
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 PA/PM: SM
 DRAWN BY.:
 JOB NO.: 2019088.28

TACO BELL

36505 26 MILE RD.
LENOX TWP, MI 48048

ENDEAVOR 2.0
**BALANCING
AND
COMMISSIONING
SEQUENCE**

SW2.1

PLOT DATE: 1/19/2022 7:35:56 AM