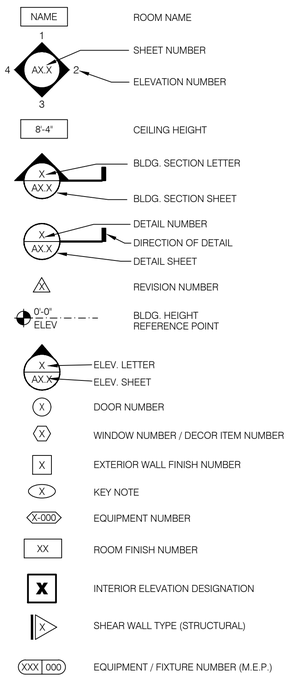


REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR SPECIFIC SYMBOLS

GENERAL DRAWING SYMBOLS

PROJECT GENERAL NOTES

A. ALL WORK SHALL CONFORM TO THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF WHEELING, COUNTY OF OHIO AND THE STATE OF WEST VIRGINIA.

B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE 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 PREPARED BY AJ SMITH.

E. 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.

F. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE CHARTER FOODS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.

G. 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.

H. 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, ANSUL, 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.

I. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.

J. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.

K. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.

L. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION

M. GENERAL CONTRACTOR TO HAVE COMPLETE EQUIPMENT / FURNITURE / SIGN CUT SHEETS AND DELIVERY SCHEDULE ON SITE AT ALL TIMES.

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 BEFORE ENCAPSULATED INTO THE BUILDING.

O. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.

GREEN

GREEN

GOVERNING CODES

BUILDING	2012 INTERNATIONAL BUILDING CODE
STRUCTURAL	2012 INTERNATIONAL BUILDING CODE
PLUMBING	2012 INTERNATIONAL PLUMBING CODE
MECHANICAL	2012 INTERNATIONAL MECHANICAL CODE
ELECTRICAL	2012 INTERNATIONAL BUILDING CODE
LIFE SAFETY	IFC 2009
ACCESSIBILITY	IBC 2012 (ANSI A117.7-2009)
ENERGY	2009 INTERNATIONAL ENERGY CONSERVATION CODE
GAS	2012 INTERNATIONAL FUEL GAS CODE

CODE CHAPTER — CHAPTER HEADING

3 — Use and Occupancy Classification
303.1 A-2 Restaurants

4 — Special Detailed Requirements Based on Use and Occupancy
Not Applicable

5 — General Building Heights and Areas
Use Group A-2 and Type of Construction VB permits 1 story, 40 feet above grade at 6,000 sf.

6 — Types of Construction
Table 601 - VB

7 — Fire Resistance-Rated Construction

8 — Interior Finishes
803 Wall and Ceiling Finishes

9 — Fire Protection Systems
n/a

10 — Means of Egress
Table 1004.1.1 Maximum Floor Area Allowances per Occupant

Use Group	Occupancy Factor	SqFt	Occupancy
A	1004.7 Fixed Seats	670.25	44.68
Kitchen	200 gross	390.78	1.95
N/A	0 (toilets/circulation)	126.19	0
Totals			47 Occupants

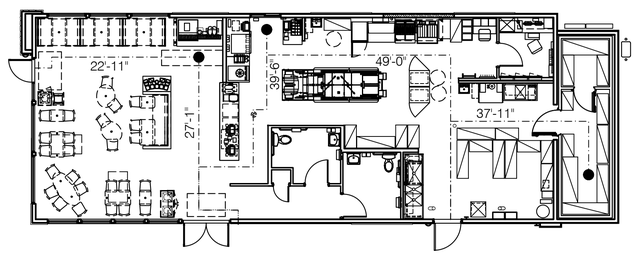
1005.1 Egress Width
Occupant Load X 0.2 = 47X0.2 = 9.4 in (112 in provided)

Table 1016.1 Exit Access Travel Distance
Without Sprinkler System = 200 ft (49 ft maximum)

1019 Exits
1-500 Occupants = 2 exits (3 provided)

13 — Energy Efficiency
COMcheck Compliance Certificates Included in Permit Submittal

CODE REVIEW

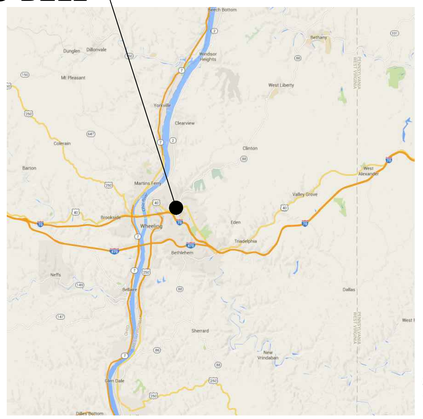


EGRESS PLAN

TACO BELL

Drive-Thru Restaurant
Live Mas - Medium 40
770 NATIONAL ROAD
WHEELING, WEST VIRGINIA 26003

TACO BELL



VICINITY MAP

BUILDING CODE:	IBC 2012, IMC2012, IPC2012, IEC2006
BUILDING AREA:	BUILDING 2,029 S.F.
SEATING:	40
OCCUPANCY:	A2
TYPE CONSTRUCTION:	TYPE VB
# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208 VOLT
GAS:	1,068,000 BTUH

PROJECT SUMMARY

OWNER
Charter Foods
PO Box 430
Talbott, TN 37877
Contact: Wayne Ferguson
423.587.0690

ARCHITECT
Kathleen Day, Architect
8535 Ferry Road
Waynesville, OH 45068
617.331.2545
kathleendayarchitect@gmail.com

CONSTRUCTION MANAGER
Charter Foods
PO Box 430
Talbott, TN 37877
Contact: Bob Rave
423.587.0690

STRUCTURAL ENGINEER
Trav Sweatman
972.849.2987

CIVIL ENGINEER
Jeff Van Atta
Van Atta Engineering, Inc.
570 Congress Park Drive
Dayton, OH 45459
937.438.5650

MECH. / ELEC. ENGINEER
Brian Edward Chandler, P.E.
1431 Greenway Drive
Irving, TX 75038
972.870.1288

PROJECT DIRECTORY

BID/PERMIT 01/08/2016

SHEET INDEX

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

TITLE SHEET AND CODE REVIEW

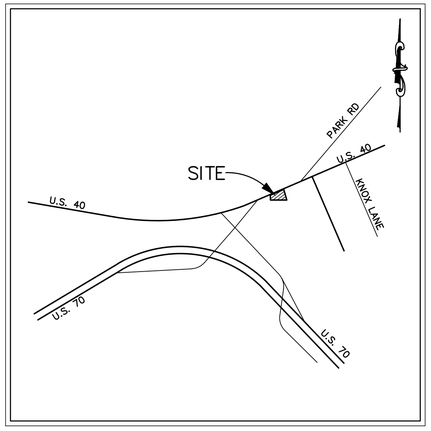
T1.0

PERMIT PLOT DATE:

TACO BELL WHEELING

770 NATIONAL ROAD
CITY OF WHEELING
STATE OF WEST VIRGINIA

JANUARY 2016



VICINITY MAP
NTS

INDEX

GENERAL NOTES:

1. ALL ROADWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE WEST VIRGINIA DIVISION OF HIGHWAYS (WVDOH) "STANDARD SPECIFICATIONS ROADS AND BRIDGES" (LATEST EDITION) AND CITY STANDARDS.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS.
3. ALL TRENCH EXCAVATION WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY AND EASEMENTS SHALL BE BACKFILLED WITH GRANULAR FILL MATERIAL IN ACCORDANCE WITH CITY SPECIFICATIONS AND COMPACTED BEFORE SUB-GRADE APPROVAL.
4. RADIUS OF BACK OF CURB AT INTERSECTIONS SHALL BE 25' UNLESS OTHERWISE SHOWN.
5. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE CITY SPECIFICATIONS.
6. FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: THE WEST VIRIGINIA 811 UTILITIES PROTECTION SERVICE AT 1-800-245-4848; AND ALL AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT.
7. EXISTING UNDERGROUND UTILITIES AND SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE AND CANNOT BE GUARANTEED ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
   A) CONTRACTING THE INDIVIDUAL UTILITY OWNERS TEN (10) DAYS PRIOR TO CONSTRUCTION AND ADVISING THEM OF THE WORK TO TAKE PLACE.
   B) SOLICITING THEIR AID IN LOCATING AND PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
   C) EXCAVATING AND VERIFYING THE HORIZONTAL AND VERTICAL LOCATION OF EACH UTILITY.
   D) ALL DAMAGE TO ANY EXISTING UTILITY.
   E) CONTACTING THE FOLLOWING OWNERS OF UNDERGROUND UTILITIES 48 HOURS BEFORE DIGGING TS TO COMMENCE.

ELECTRIC	SANITARY SEWER	GAS
APPALACHIAN POWER CONTACT: PH: (800) 982-4237 SUBMITTED: _____	CITY OF WHEELING WATER POLLUTION CONTROL DEPT. CONTACT: BOB WEISNER PH: (304) 234-3874 SUBMITTED: _____	MOUNTAINEER GAS CONTACT: PH: (304) 234-0336 SUBMITTED: _____
STORM SEWER	**WATER**	**CABLE & TELEPHONE**
CITY OF WHEELING CONTACT: CONRAD SLANINA PH: (304) 234-3874 SUBMITTED: _____	CITY OF WHEELING, WATER DEPT. CONTACT: JIM CAP PH: (304) 234-3847 SUBMITTED: _____	COMCAST CABLE CONTACT: PH: (304) 712-2250 SUBMITTED: _____

8. ALL FIELD TILE ENCOUNTERED SHALL BE REPLACED OR CONNECTED TO THE STORM SEWER SYSTEM.
9. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO CONTROL SOIL EROSION AND SEDIMENTATION THROUGH THE LIFE OF THE CONTRACT. THESE MAY INVOLVE THE USE OF HAY AND STRAW BALES, DIKES, SEDIMENT PITS, MULCHES, FILTER FABRICS AND OTHER DEVICES AND METHODS. PARTICULAR CARE SHALL BE TAKEN TO AVOID EROSION AND SEDIMENTATION ON EXISTING PAVED AND GRAVELED AREAS.
10. ALL DISTURBED AREAS SHALL HAVE TEMPORARY SEEDING AND MULCHING. ALL AREAS THAT ARE PLANNED TO BE BARE FOR MORE THAN 45 DAYS SHALL BE SEEDED WITHIN 7 DAYS.
11. ANY VARIANCE BETWEEN THESE PLANS AND WHAT IS FOUND IN THE FIELD OR DURING CONSTRUCTION SHOULD BE ADDRESSED TO THE ENGINEER IN CHARGE OF THE PROJECT AT VAN ATTA ENGINEERING.
12. WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION
13. IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO IMPORT OR REMOVE ANY EXCESS EARTH OR TOPSOIL WITH PAYMENT FOR THIS TO BE A PART OF CONTRACT.
14. THE SOILS REPORT FOR THIS PROJECT SHALL BE REFERENCED AT ALL TIMES.
15. TRAFFIC CONTROL ON ALL PUBLIC ROADS IS REQUIRED TO CONFORM TO "THE WEST VIRGINIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". ANY WORK ON A THOROUGHFARE OR WORK REQUIRING CLOSURES REQUIRES 48 HOUR NOTIFICATION AND APPROVAL OF THE CITY. NOTICE SHALL BE GIVEN TO THE PUBLIC WORKS DIRECTOR A MINIMUM TWO WEEKS PRIOR TO ANY CLOSING.
16. SAFETY REQUIREMENTS, OUTLINED IN THE STATE OF WEST VIRGINIA "CONSTRUCTION SAFETY CODE" FOR THIS TYPE OF WORK WILL BE ENFORCED AND THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE CODE ISSUED AS A GENERAL ORDER BY THE INDUSTRIAL COMMISSION OF WEST VIRGINIA
17. THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. SAFETY REQUIREMENTS, OUTLINED IN THE STATE OF WEST VIRGINIA "CONSTRUCTION SAFETY CODE" FOR THIS TYPE OF WORK WILL BE ENFORCED AND THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE CODE ISSUED AS A GENERAL ORDER BY THE INDUSTRIAL COMMISSION OF WEST VIRGINIA.

2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE 800-245-4848
WEST VIRGINIA UTILITIES PROTECTION SERVICE

CONCRETE PAVEMENT SECTION (INTERIOR SITE PAVING)

NTS

THE PAVEMENT SECTIONS SHALL BE IN ACCORDANCE WITH THE CURRENT SOILS REPORT.
IT SHALL BE THE GC's RESPONSIBILITY TO COORDINATE WITH THE OWNER ON THE DESIRED PAVEMENT SECTION.

(THE PAVEMENT SECTIONS SHOULD BE CONFIRMED PRIOR TO BID AND CONSTRUCTION)
(SEAL ALL JOINTS BETWEEN PAVEMENT AND CONCRETE WITH HOT AC-20)

JEFF VAN ATTA — DATE
WEST VIRGINIA PROFESSIONAL ENGINEER #20671

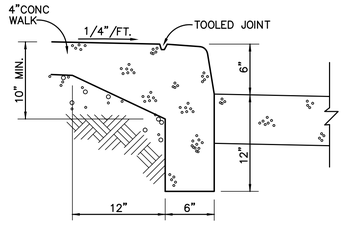
JEFFREY A. VAN ATTA — REGISTERED — No. 20671 STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

APPROVALS

CITY OF WHEELING — DATE

GENERAL NOTES:

18. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SUE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
19. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES IN THESE PLANS IMMEDIATELY.
20. DEMOLITION/SITE CLEARING.
    THIS WORK SHALL INCLUDE REMOVAL OF ALL EXISTING PAVEMENTS, CURBS (U.N.O.) LIGHT POLES (INCLUDING FTG'S), VEGETATION (INCLUDING STUMPS), UTILITIES (NOT OTHERWISE REUSED), ETC. AS REQUIRED FOR NEW CONSTRUCTION.
21. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS & SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY THE SOILS ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED BY THE SOILS ENGINEER. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AND MOISTURE CONDITIONED AS SPECIFIED BY THE SOILS ENGINEER. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS, AND THE RECOMMENDATIONS SET FOR BY THE SOILS ENGINEER.
22. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS NOTED OTHERWISE.
23. ALL RADIUS DIMENSIONS FOR CURBS SHALL BE TO THE BACK OF CURB.
24. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE APPROPRIATE UTILITY COMPANY. NO COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
25. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.



CURB CONSTRUCTION ALONG WALK
NTS

kathleen day, architect
8535 ferry road
waynesville, oh 45068
(617) 331-2545
kathleendayarchitect@gmail.com

PREPARED BY:
VANATTA ENGINEERING INC
570 Congress Park Dr • Dayton, OH 45459
Phone: 937.438.5650
Fax: 937.438.5645

CONTRACT DATE:
BUILDING TYPE: NI MEDIUM 40
PLAN VERSION: JAN, 2016
SITE NUMBER:
STORE NUMBER:

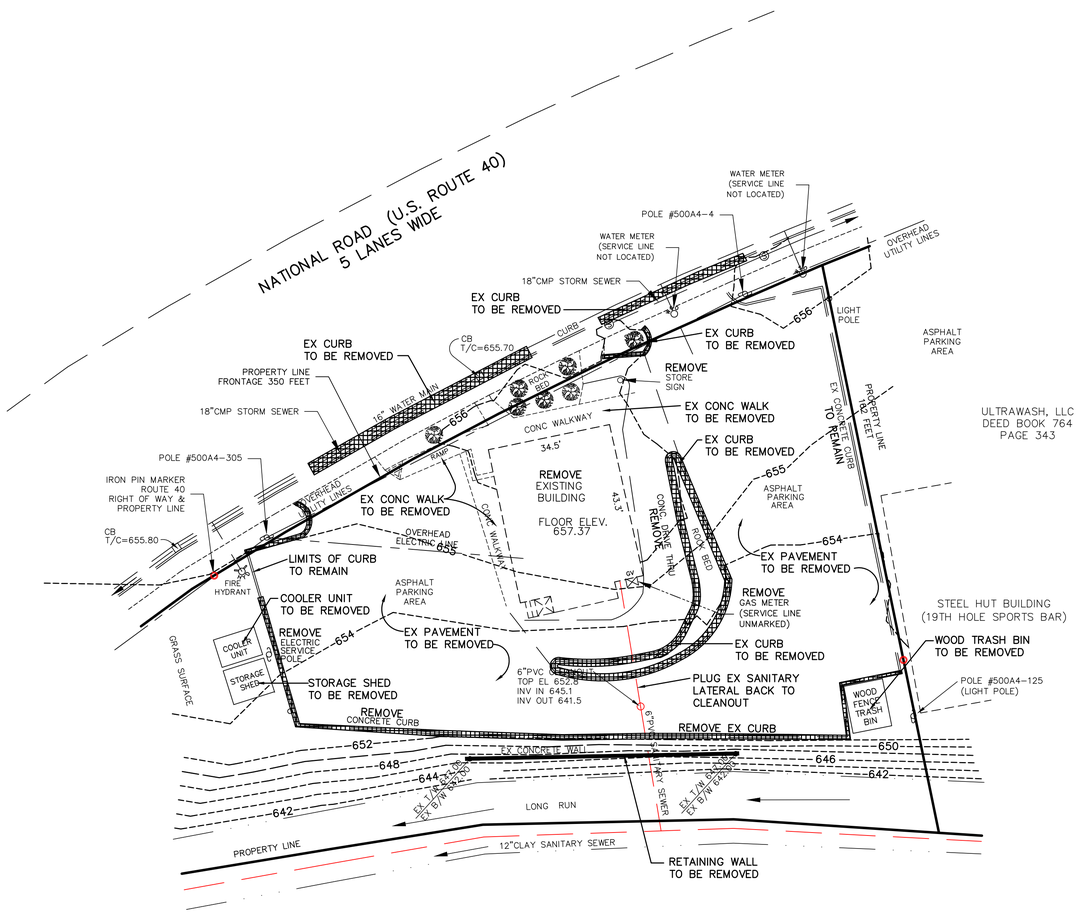
TACO BELL
770 NATIONAL ROAD
WHEELING, W.V. 26003

PROJECT No. 5595
FILE No.

C1.0

PLOT DATE: 1.29.16

G:\P\Taco Bell Wheeling\WHEELING\WTACOBELL-COV.DWG, JAN 29, 2016 - 15:35:23



SURVEY SYMBOLS LEGEND:

- EX CROSS NOTCH FOUND
- EX 5/8"IRON PIN FOUND
- EX 1"IRON PIPE FOUND
- EX CONCRETE MONUMENT FOUND
- EX PK NAIL FOUND
- EX RAILROAD SPIKE FOUND
- EX. BOLLARD
- EX. CATCH BASIN
- EX. CURB INLET
- EX. FIRE HYDRANT
- EX. MANHOLE
- EX. WATER VALVE
- EX. GAS METER
- EX. GUY WIRE
- EX. GAS VALVE
- EX. LIGHT POLE
- EX. POWER POLE
- EX. TRANSFORMER
- EX. WATER METER PIT
- EX. WELL
- IRON PIN SET (5/8" DIA, 30" LONG)
- CONCRETE MONUMENT SET
- PK NAIL SET
- CROSS NOTCH SET

NOTE: ALL EXISTING UTILITIES TO BE CAPPED FOR REUSE.

DEMOLITION NOTES:

CONTRACTOR SHALL DEMOLISH THE EXISTING BUILDING ENTIRELY, INCLUDING THE DRIVE THRU AND CANOPY. ALL EXISTING UTILITIES SERVING THE BUILDING SHALL BE CUT AND CAPPED FOR FUTURE USE IF APPLICABLE.

EXISTING CONCRETE SIDEWALK AND CURB TO BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.

EXISTING LIGHT POLES TO BE REMOVED AND RELOCATED AT THE DIRECTION OF THE OWNER.

SAW CUT EXISTING PAVEMENT ALONG EXISTING DRIVE AND PARKING LOT AS SHOWN, TO GIVE A CLEAN, SHARP EDGE. CONTRACTOR TO COMPACT NEW ASPHALT UP TO NEW CURB AND SEAL WITH HOT AC-20.

EXISTING MENU BOARD AND SPEAKER TO BE REMOVED.

CONTRACTOR SHALL CONFIRM LOCATION, SIZE AND SUITABILITY OF ALL EXISTING UTILITIES ON SITE PRIOR TO CONSTRUCTION. ANY UTILITIES WHICH ARE SUITABLE FOR RE-USE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND VAN ATTA ENGINEERING. COORDINATE CONNECTION TO SAID UTILITY WITH THE APPROPRIATE UTILITY COMPANY.

CONTRACTOR TO COORDINATE WITH OWNER THE REMOVAL OF EXISTING TREES AND/OR SHRUBS. TO BE RELOCATED AT THE DISCRETION OF THE OWNER.

ALL DEMOLISHED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL AND EPA GUIDELINES. THIS WORK IS TO BE CONSIDERED TO BE INCLUDED IN BID PRICE.

TOPOGRAPHY NOTE:

ACTUAL FIELD SURVEY COMPLETED ON JANUARY 15, 2016

ALLEN J. SMITH
PROFESSIONAL LAND SURVEYOR
WV LICENSE NO. 809

DATE: _____

AJ SMITH, INC.
855 NATIONAL ROAD
BRIDGEPORT, OHIO 43912
740-635-0505

BEARINGS ARE BASED ON THE WEST VIRGINIA STATE PLANE COORDINATE SYSTEM.

ALLEN J. SMITH LICENSED NO.809 STATE OF WEST VIRGINIA LAND SURVEYOR

SURVEY NOTES:

ALL VISIBLE UTILITY LINES AND ASSOCIATED FACILITIES WERE LOCATED BY THE SURVEYOR AS INDICATED ON THIS MAP. THE SURVEYOR IS NOT RESPONSIBLE FOR THE LOCATION OF UNMARKED SUBSURFACE FACILITIES. THE CONTRACTOR MUST CALL MISS UTILITY OF WEST VIRGINIA AT 800-245-4848 (OR DIAL 811) FOR LINE MARKINGS PRIOR TO ANY EXCAVATIONS.

THE FOLLOWING AGENCIES WERE CONTACTED BY THE SURVEYOR:
WHEELING WATER DEPARTMENT-ENGINEERS 304-234-3849
WATER POLLUTION CONTROL DIVISION 304-234-3874

THE PREMISES SHOWN HEREON IS SUBJECT TO ANY PERTINENT LEASE TERMS AND CONDITIONS, EASEMENTS, PRIVILEGES, OR OTHER RIGHTS OF RECORD WHICH WERE NOT DISCLOSED TO THE SURVEYOR.

THE PREMISES IS LOCATED IN A FLOOD HAZARD AREA AS FOLLOWS:
FLOOD INSURANCE RATE MAP: 54069C0054D
EFFECTIVE DATE: 07/17/2006
ZONE: AE
BASE FLOOD ELEVATION: 660

LOCAL ORDINANCES AND BUILDING CODES SHOULD BE REVIEWED PRIOR TO ANY CONSTRUCTION PLANNING.

JEFF VAN ATTA DATE
WEST VIRGINIA PROFESSIONAL ENGINEER #20671

JEFFREY A. VAN ATTA REGISTERED No. 20671 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

CONTOUR INTERVAL: 2 FEET

ELEVATION DATUM: NAVD88

WEST VIRGINIA 811 Dial 811 or 800.245.4848 CALL BEFORE YOU DIG!

GRAPHIC SCALE
-20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

EXISTING TOPOGRAPHY AND DEMOLITION PLAN

TACO BELL WHEELING

770 NATIONAL ROAD
CITY OF WHEELING
STATE OF WEST VIRGINIA

PREPARED BY:
VANATTA ENGINEERING INC
570 Congress Park Dr • Dayton, OH 45459
Phone: 937.438.3550
Fax: 937.438.3645

CONTRACT DATE:
BUILDING TYPE: NI MEDIUM 40
PLAN VERSION: JAN, 2016
SITE NUMBER:
STORE NUMBER:

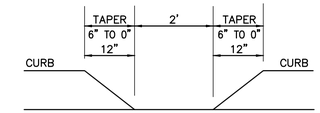
TACO BELL
770 NATIONAL ROAD
WHEELING, W.V. 26003

Job No. 5595

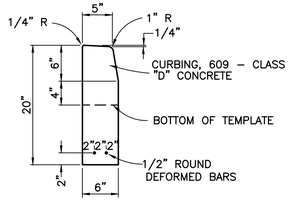
C2.0

PLOT DATE: 1.29.16

G:\P\Taco Bell Wheeling\WHEELING\WTACOBELL.DWG, JAN 29, 2016 - 15:36:55



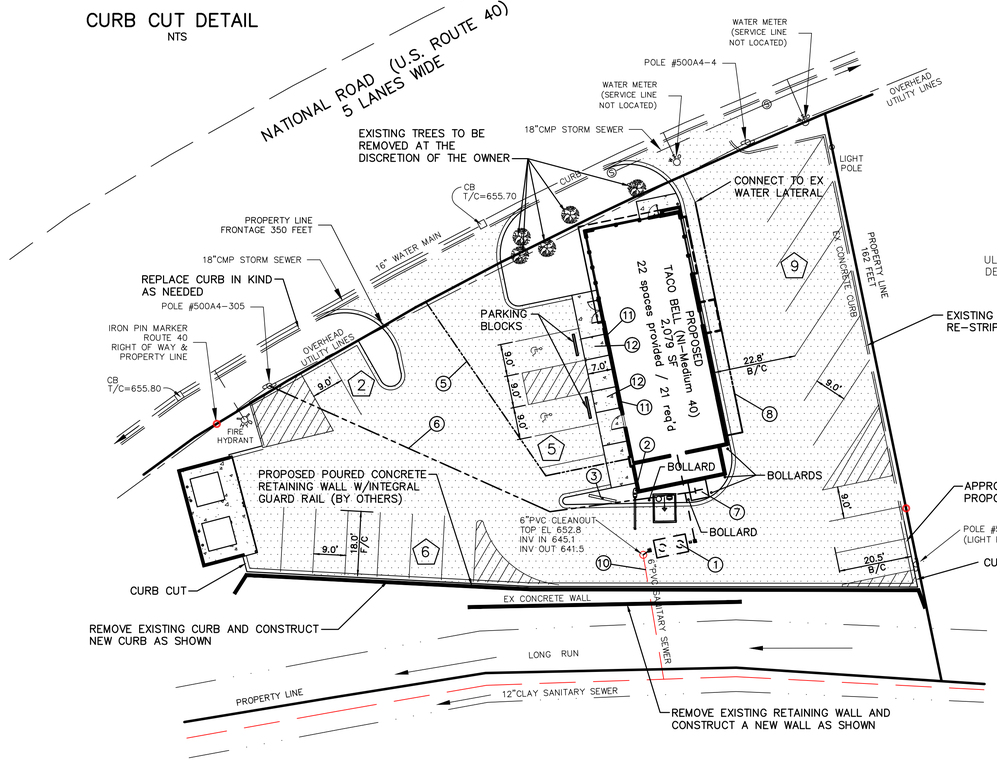
CURB CUT DETAIL
NTS



BARRIER CURB
NTS

NOTES:

CONTRACTOR TO VERIFY BUILDING DIMENSIONS, UTILITY LOCATIONS AND SIZES AND BLDG ENTRANCE LOCATIONS AND ELEVATIONS WITH THE ARCHITECTURAL PLANS.



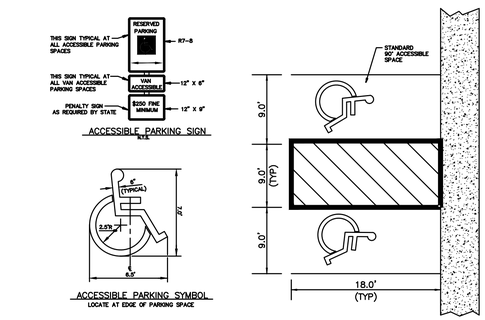
NOTES:

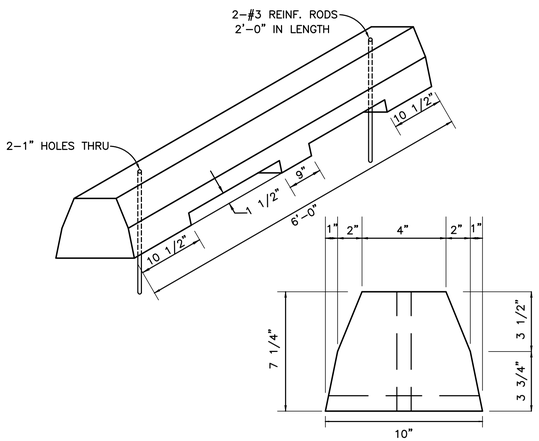
1. PROPOSED 1000 GALLON GREASE SEPERATOR AND SANITARY SERVICE. THIS ALIGNMENT SHALL ONLY BE USED IF THE EXISTING GREASE SEPERATOR IS DEEMED NOT USABLE.
2. NEW CLEARANCE BAR BY SIGN SUPPLIER, WALL MOUNTED
3. NEW MENU BOARD, SPEAKER PEDESTAL AND SENSOR LOOP, BY SIGN SUPPLIER. FOUNDATIONS BY GENERAL CONTRACTOR.
4. INSTALL NEW CONCRETE PAD AT PROPOSED MENU BOARDS. SEE ARCHITECTURAL DRAWING FOR TYPICAL SECTION.
5. CONTRACTOR TO VERIFY EX GAS SERVICE SIZE AND LOCATION AND UTILIZE EXISTING SERVICE WHERE POSSIBLE. IF A NEW SERVICE LATERAL IS NEEDED, CONTRACTOR SHALL COORDINATE NEW SERVICE WITH ARCHITECT.
6. PROPOSED ELECTRIC SERVICE LOCATION. CONFIRM SIZE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
7. PROPOSED ELECTRIC TRANSFORMER LOCATION. CONFIRM SIZE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION (WITH BOLLARDS).
8. PROPOSED WATER SERVICE LOCATION. CONFIRM SIZE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO VERIFY EX ELECTRIC, TELEPHONE AND CABLE LOCATIONS AND UTILIZE EXISTING SERVICES WHERE POSSIBLE. WHERE NEW SERVICE LATERALS ARE NEEDED, CONTRACTOR SHALL COORDINATE NEW SERVICE WITH APPROPRIATE UTILITY COMPANY AND ARCHITECT. TO BE RELAID UNDERGROUND.
10. CONTRACTOR TO VERIFY EX SANITARY SERVICE SIZE AND LOCATION AND UTILIZE EXISTING SERVICE WHERE POSSIBLE. IF A NEW SERVICE LATERAL IS NEEDED, CONTRACTOR SHALL COORDINATE NEW SERVICE WITH ARCHITECT.
11. WALL MOUNTED HANDICAP SIGN
12. DOUBLE PARALLEL HC RAMP, CONSTRUCTED TO THE LATEST ADA STANDARDS AND SPECIFICATIONS

SURVEY SYMBOLS LEGEND:

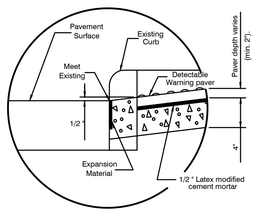
- EX CROSS NOTCH FOUND
- EX 5/8"IRON PIN FOUND
- EX 1"IRON PIPE FOUND
- EX CONCRETE MONUMENT FOUND
- EX PK NAIL FOUND
- EX RAILROAD SPIKE FOUND
- EX. BOLLARD
- EX. CATCH BASIN
- EX. CURB INLET
- EX. FIRE HYDRANT
- EX. MANHOLE
- EX. WATER VALVE
- EX. GAS METER
- EX. GUY WIRE
- EX. GAS VALVE
- EX. LIGHT POLE
- EX. POWER POLE
- EX. TRANSFORMER
- EX. WATER METER PIT
- EX. WELL
- IRON PIN SET (5/8" DIA, 30" LONG)
- CONCRETE MONUMENT SET
- PK NAIL SET
- CROSS NOTCH SET

HEAVY DUTY CONCRETE





PARKING BLOCK DETAIL
NTS



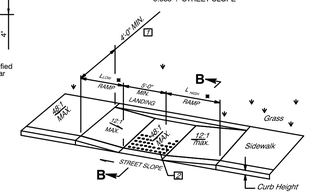
DETAIL A

STREET SLOPE	RAMP LENGTH @ 1'/FT	
	$L_{LOW\ SIDE}$	$L_{HIGH\ SIDE}$
0.01	5'-0"	6'-10"
0.02	4'-10"	7'-11"
0.03	4'-5"	9'-5"
0.04	4'-1"	11'-8"
0.05	3'-9"	15'-2"

* MEASURED ALONG THE BACK OF A 6" HIGH CURB

$L_{HIGH} = \frac{\text{CURB HT.}}{0.083 - \text{STREET SLOPE}}$

$L_{LOW} = \frac{\text{CURB HT.}}{0.083 + \text{STREET SLOPE}}$



PARALLEL CURB RAMP DETAIL (DOUBLE)
NTS

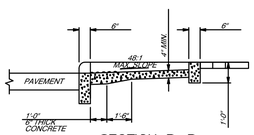
LEGEND

1 MAY BE REDUCED TO 3'-4" IN EXISTING SIDEWALKS TO BETTER FIT THE WALK CONFIGURATION OR WHERE SITE CONDITIONS ARE RESTRICTED BY NARROW WALKS, POLE FOUNDATIONS, DRAINAGE INLETS, ETC. THE WIDTH MAY BE TAPERED.

2 DETACHABLE WARNINGS (TRUNCATED DOMES) ARE TO BE INSTALLED IN THE LOCATIONS SHOWN. DIMENSIONS OF THE DOMES ARE 24 INCHES FROM THE BACK OF THE CURB BY THE WIDTH OF THE RAMP.

NOTES

1. SURFACE TEXTURE: TEXTURE SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES AND SHALL BE ROUGHER THAN ADJACENT WALK.
2. JOINTS: SHALL BE PROVIDED IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH KYTC REQUIREMENTS FOR A NEW CONCRETE WALK. A 1/2" EXPANSION JOINT FILLER SHALL BE PROVIDED AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALK. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGE AND SLOPE CHANGES AND ARE NOT NECESSARILY JOINT LINES.



SECTION B-B

GRAPHIC SCALE
−20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

JEFF VAN ATTA
WEST VIRGINIA PROFESSIONAL ENGINEER #20671
DATE

JEFFREY A. VAN ATTA REGISTERED No. 20671 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

WEST VIRGINIA 811
Dial 811 or 800.245.4848 CALL BEFORE YOU DIG!

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

SITE/UTILITY PLAN
TACO BELL WHEELING

770 NATIONAL ROAD
CITY OF WHEELING
STATE OF WEST VIRGINIA

PREPARED BY:
VANATTAENGINEERINGINC
570 Congress Park Dr • Dayton, OH 45459
Phone: 937.438.5650
Fax: 937.438.5645

CONTRACT DATE:
BUILDING TYPE: NI MEDIUM 40
PLAN VERSION: JAN, 2016
SITE NUMBER:
STORE NUMBER:

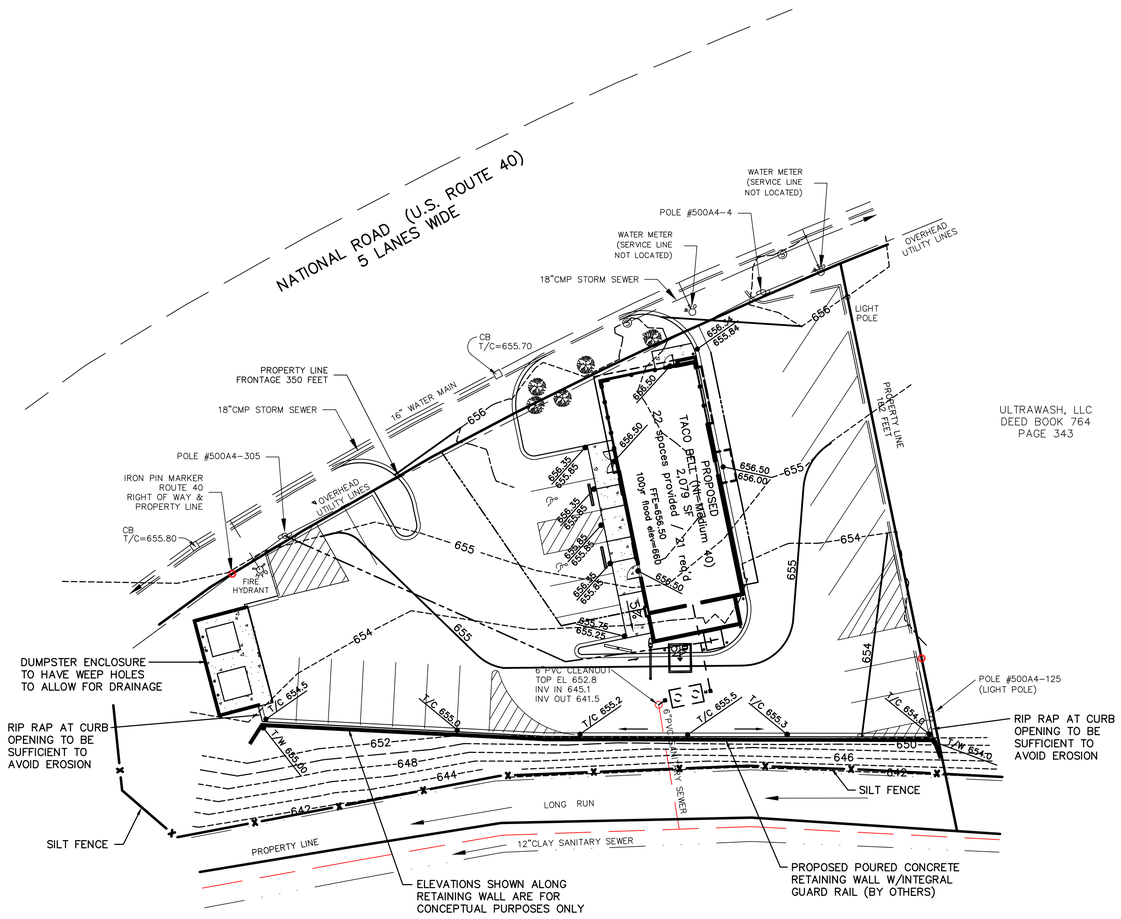
TACO BELL
770 NATIONAL ROAD
WHEELING, W.V. 26003

Job No. 5595

C3.0

PLOT DATE: 1.29.16

G:\P\Taco Bell Wheeling\WHEELINGWVTACOBELL.DWG, JAN 29, 2016 - 15:36:55



GRADING NOTES

ALL SPOT ELEVATIONS SHOWN ARE TOP OF CURB TOP OF WALK OR TOP OF CONCRETE UNLESS OTHERWISE SPECIFIED

SURVEY SYMBOLS LEGEND:

✛	EX CROSS NOTCH FOUND
○	EX 5/8"IRON PIN FOUND
○	EX 1"IRON PIPE FOUND
□	EX CONCRETE MONUMENT FOUND
⨯	EX PK NAIL FOUND
◁	EX RAILROAD SPIKE FOUND
·	EX. BOLLARD
□	EX. CATCH BASIN
▭	EX. CURB INLET
⌂	EX. FIRE HYDRANT
○	EX. MANHOLE
⊗	EX. WATER VALVE
⊠	EX. GAS METER
⤙	EX. GUY WIRE
⊘	EX. GAS VALVE
☼	EX. LIGHT POLE
☼	EX. POWER POLE
⊡	EX. TRANSFORMER
⊠	EX. WATER METER PIT
Ⓦ	EX. WELL
●	IRON PIN SET (5/8" DIA, 30" LONG)
■	CONCRETE MONUMENT SET
×	PK NAIL SET
✚	CROSS NOTCH SET

CONSTRUCTION OF A FILTER BARRIER SILT FENCE (SF)

NTS

CRITERIA FOR SILT FENCE MATERIAL

1) FENCE POSTS – THE LENGTH SHALL BE A MINIMUM OF 32 INCHES LONG. WOOD POSTS WILL BE 2 BY 2–INCH HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FEET.
2) SILT FENCE SHALL BE ODOT TYPE C GEOTEXTILE FABRIC OR AS DESCRIBED BY THE CHART BELOW;

MINIMUM TENSILE STRENGTH	120 LBS.
MAXIMUM ELONGATION AT 60 LBS.	50%
MINIMUM PUNCTURE STRENGTH	50 LBS.
MINIMUM TEAR STRENGTH	40 LBS.
MINIMUM BURST STRENGTH	200 PSI
APPARENT OPENING SIZE	≤0.84 MM
MINIMUM PERMITTIVITY	1 X 10 SEC.
ULTRAVIOLET EXPOSURE STRENGTH RETENTION	70%

NOTES

1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE, WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 INCHES OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6– INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
9) SEAMS BETWEEN SECTION OF SILT SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
10) MAINTENANCE – SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

1. STONE SIZE SHALL CONFORM TO ASTM D48 SIZE #1 (1 1/2" TO 3 1/2" DIA.).
2. PERIODIC 2" STONE TOP DRESSING & WASHING AS REQUESTED BY COUNTY.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL

NTS

GRAPHIC SCALE

-20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

WEST VIRGINIA 811

Dial 811 or
800.245.4848
CALL BEFORE
YOU DIG!

JEFFREY A. VAN ATTA
No. 20671

JEFF VAN ATTA
WEST VIRGINIA PROFESSIONAL ENGINEER #20671

DATE

G:\P\Taco Bell Wheeling\WHEELINGWVTACOBELL.DWG, JAN 29, 2016 – 15:36:55

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

GRADING AND EROSION CONTROL PLAN
TACO BELL WHEELING

770 NATIONAL ROAD
CITY OF WHEELING
STATE OF WEST VIRGINIA

PREPARED BY:

VANATTAENGINEERINGINC
570 Congress Park Dr • Dayton, OH 45459
Phone: 937.438.5650
Fax: 937.438.5645

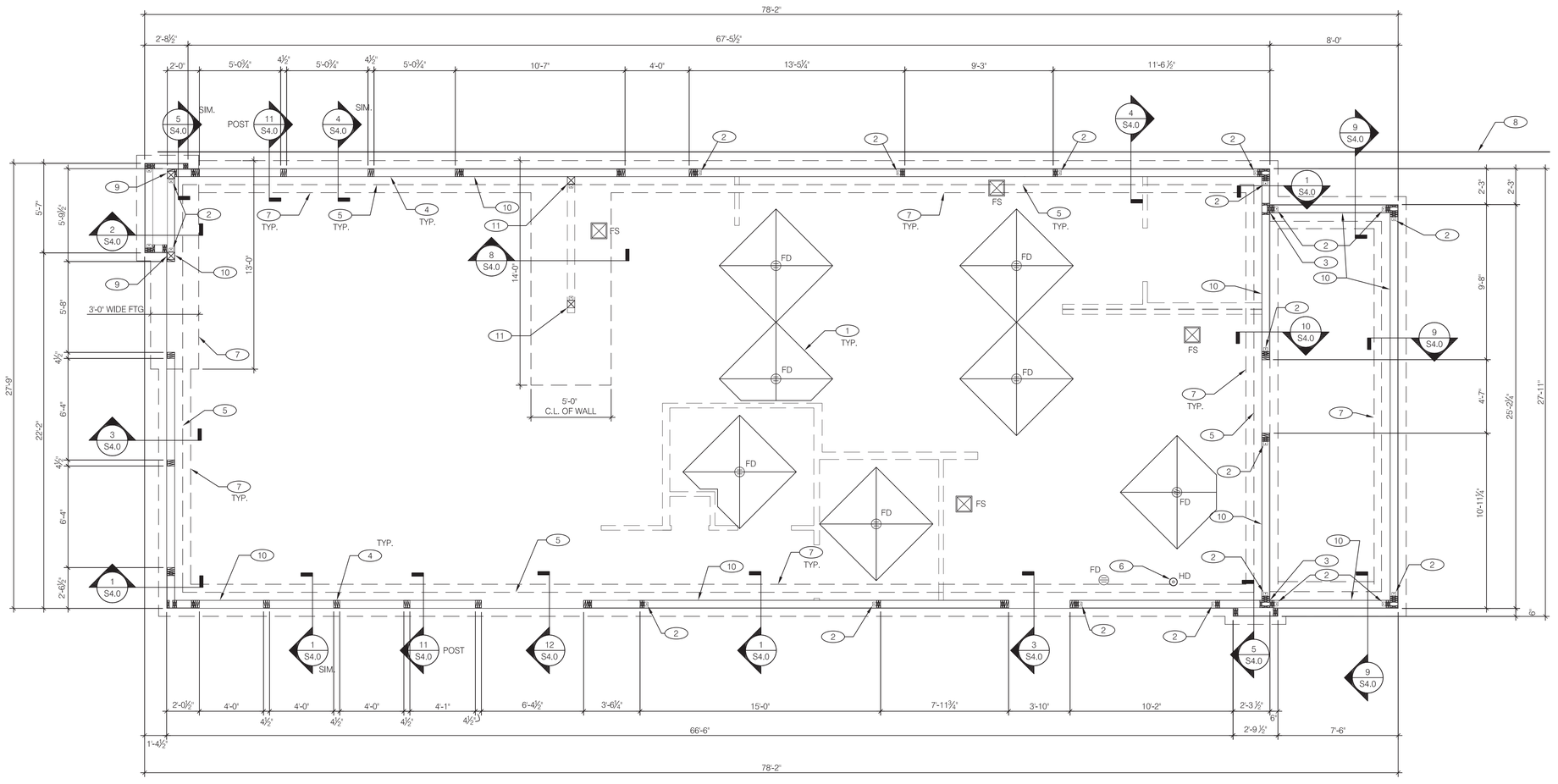
CONTRACT DATE:
BUILDING TYPE: NI MEDIUM 40
PLAN VERSION: JAN, 2016
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 NATIONAL ROAD
WHEELING, W.V. 26003

Job No. 5595

C4.0

PLOT DATE: 1.29.16



DIMENSIONS THIS SHEET TO EDGE OF CONCRETE

12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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

DESIGN CRITERIA F

2012 WEST VIRGINIA STATE BUILDING CODE

ROOF SNOW LOADS:

GROUND SNOW LOAD (Pg):	20 PSF
EXPOSURE FACTOR (Ce):	1.0
IMPORTANCE FACTOR (I):	1.0
FLAT-ROOF SNOW LOAD (Pf):	20 PSF + DRIFT
THERMAL FACTOR (Ct):	1.0

ROOF LOADS:

LIVE LOAD:	20 PSF
DEAD LOAD:	20 PSF

WIND LOADS:

ULTIMATE WIND SPEED:	Vult = 115 MPH
NOMINAL WIND SPEED	Vasd = 89 MPH
IMPORTANCE FACTOR:	1.0
EXPOSURE CATEGORY (MWFRS):	B
INTERNAL PRESSURE COEFF.:	±0.18
COMPONENT & CLADDING DESIGN PRESSURE:	24.0 PSF
DESIGN UPLIFT (NET):	10.0 PSF

PROVIDE SHOP DRAWINGS AND CALCULATIONS BY REGISTERED ENGINEER FOR ROOF TRUSSES, SIGNS AND AWNINGS

SEISMIC LOADS:

SEISMIC USE GROUP:	1
SESMIC IMPORTANCE FACTOR:	1.0
SITE CLASS:	D
MAPPED SPECTRAL RESPONSE ACCEL:	
Ss:	0.1030
S1:	0.0540
SPECTRAL RESPONSE COEFF.:	
SHORT PERIODS (SDS):	0.110
1 SEC. PERIODS (SD1)	0.086
FRAMING SYSTEMS:	
BASIC STRUCTURAL SYSTEM:	LOAD BEARING WALL SYSTEM
SEISMIC-RESTRICTING SYSTEM:	WOOD SHEAR WALLS
RESPONSE MOD. FACTOR (R):	6.5
DEFL. AMPL. FACTOR (Cd):	4.0
DESIGN BASE SHEAR (V):	0.017W

ANALYSIS BY EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION PLAN NOTES C

FOUNDATION

1. FOUNDATION DESIGN IS BASED UPON AN ASSUMED BEARING PRESSURE PENDING THE FINAL GEOTECHNICAL ENGINEERING REPORT ,
2. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
3. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF PENDING GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON AN ASSUMED 1,500 PSF ALLOWABLE BEARING CAPACITY PER THE BUILDING CODE REQUIREMENTS.
4. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
5. REFER TO THE PENDING GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
6. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
7. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
8. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
9. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
10. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

SUBGRADE PAD PREPARATION RECOMMENDATIONS

1. A SUMMARY OF RECOMMENDATIONS WILL BE PROVIDED FROM THE PENDING GEOTECHNICAL INVESTIGATION.
2. UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH THE BUILDING AND FIVE FEET BEYOND, BUILDING IS REFERRING TO AND INCLUDES ALL AREAS AS SHOWN ON SHEET S1.0, THE VAPOR BARRIER, WHERE REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING.
3. ALL VEGETATION, CONCRETE, STUMPS, BRUSH, ABANDONED STRUCTURES, ROOTS, RUBBISH, AND ANY OTHER UNDESIRABLE MATTER SHOULD BE REMOVED AND STRIPPED TO A DEPTH OF 6 INCHES. FILL MATERIALS AND ORGANIC SOILS SHOULD BE EXCAVATED AND REMOVED PER THE GEOTECHNICAL REPORT.
1. THE EXPOSED SUBGRADE SHOULD BE PROOF-ROLLED TO LOCATE ANY SOFT OR LOOSE AREAS IN ACCORDANCE WITH ITEM 216 OF TxDOT SPECIFICATIONS. SOILS THAT ARE OBSERVED TO RUT OR DEFLECT UNDER THE MOVING LOAD SHOULD BE UNDERCUT. THE PROOF ROLLING AND UNDERCUTTING ACTIVITIES SHOULD BE WITNESSED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER.
2. AFTER SUBGRADE PREPARATION IS COMPLETE, THE PLACEMENT OF STRUCTURAL FILL MAY BEGIN. THE STRUCTURAL FILL MATERIALS SHOULD BE GRANULAR FILL, AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. EACH LIFT OF STRUCTURAL FILL SHOULD BE TESTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER.
3. THE EXPOSED SUBGRADE SHALL BE PROTECTED AGAINST EXCESSIVE DRYING OR EXPOSURE TO MOISTURE, THE SITE SHALL BE GRADED TO PREVENT PONDING OF WATER WITHIN EXCAVATED AREAS. ACCUMULATED WATER SHALL BE REMOVED IMMEDIATELY. EXCAVATIONS FOR FOUNDATIONS SHOULD BE FILLED WITH CONCRETE BEFORE THE END OF THE WORKDAY OR SOONER IF NECESSARY TO PREVENT DETERIORATION OF THE BEARING SURFACE. IF DELAYS OCCUR, THE EXCAVATION SHOULD BE DEEPENED AS NECESSARY AND CLEANED, IN ORDER TO PROVIDE A FRESH BEARING SURFACE, IF MORE THAN 24 HOURS OF EXPOSURE OF THE BEARING SURFACE IS ANTICIPATED IN THE EXCAVATIONS, A MUD SLAB SHOULD BE USED TO PROTECT THE BEARING SURFACES. IF A MUD SLAB IS USED, THE FOUNDATION EXCAVATIONS SHOULD INITIALLY BE OVER-EXCAVATED BY APPROXIMATELY 4 INCHES AND A LEAN CONCRETE MUD SLAB OF APPROXIMATELY 4 INCHES IN THICKNESS IS PLACED IN THE BOTTOM OF THE EXCAVATIONS IMMEDIATELY FOLLOWING EXPOSURE OF THE BEARING SURFACE.
4. THIS PAD PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. REFER TO THE GEOTECHNICAL REPORT FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION.

CONCRETE:

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

LOCATION	MIN. STRENGTH 28 DAYS PSI	AGGREGATE SIZE - INCHESS	SLUMP INCHES	TOLERANCE
SLAB ON GRADE	(4,000 DESIGN)	1" x #4	3-1/2"	±1/2"
FOUNDATIONS	(3,000 DESIGN)	1" x #4	3-1/2"	±1/2"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.
E. ANCHOR BOLTS - A36 OR A307, USE 5/8" DIAMETER x 12" ANCHOR BOLTS (A.B.) AT 72" O.C. U.O.N. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC.

SLAB:

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6x6-W1.4x1.4 OR #4 BARS @ 18" O.C. EA. WAY, OVER 15 MIL STEGO WRAP VAPOR BARRIER, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE. MODIFY AS REQUIRED TO COMPLY WITH REQUIREMENTS OF SOILS REPORT.

MISCELLANEOUS:

A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.
B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N.
E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.
F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

KEY NOTES N.T.S. B

1. 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.
2. SHEARWALL HOLDOWN, REFER TO D/S2.0 FOR SIZE & SEE DETAILS 19 & 20/S4.1. FOR ANCHOR BOLT, SEE D/S2.0. AND DETAIL 12/S4.0.
3. CONTINUE SHEAR WALL SHEATHING PAST INTERSECTING WALL WITHOUT INTERRUPTION.
4. 3-2x6 WINDOW POST SEE DET. 11/S4.0.
5. INDICATES INSIDE SURFACE OF GRADE BEAM. SEE SHEET S4.0.
6. PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS)
7. INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.
8. LINE OF DRIVE-THRU CURB. SEE CIVIL DRAWINGS.
9. 6x6 POST AT HDU14 HOLDOWN.
10. 6" WIDE x 6" HIGH CURB.
11. 6x6 POST AT HD19 HOLDDOWN ANCHOR AT EACH END OF INTERIOR SHEARWALL. SEE DETAIL 7/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00
TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

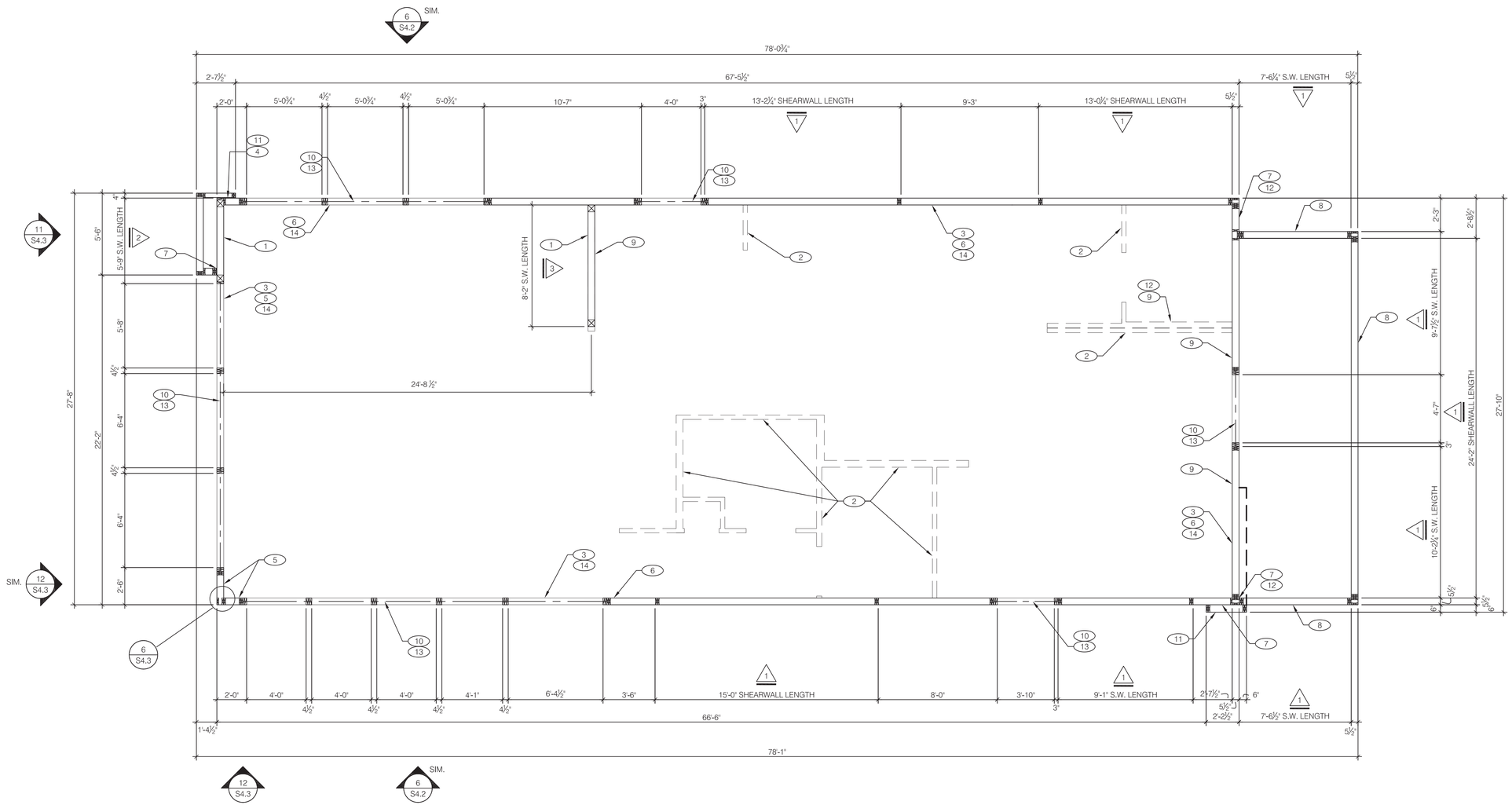
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

FOUNDATION PLAN

S1.0

PERMIT PLOT DATE: 01.08.16



DIMENSIONS THIS SHEET TO EDGE OF FRAMING

WALL FRAMING PLAN 1/4"=1'-0" | A

SW	SHEATHING	EDGE	FIELD	HOLDOWN	SILL PLATE ANCHOR BOLT	REMARKS
1	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 6" O.C.	HDU4	5/8" DIA. A307 (24x3)@ 48" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
2	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 6" O.C.	HDU8	5/8" DIA. A307 (24x3)@ 24" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
3	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	HD19	5/8" DIA. F1554 (18)@ 8" O.C. W/ WASHER	PLYWOOD ON BOTH FACES OF STUDS
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	N/A	5/8" DIA. A307 (24x3) @ 48" O.C. W/ WASHER	NAILING @ HEADERS PER 12/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.
2. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING 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.
5. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.
6. HDU REFERS TO SIMPSON STRONGTIE CO. HOLDDOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.
7. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLD-DOWNS.
8. 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 SHEATHING AND SHEARWALL SCHEDULE | D

A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE NO. 1 SPRUCE-PINE-FIR. INTERIOR WALL STUDS MAY BE STUD GRADE. REFER TO 8/S4.1.
B. ALL BEAMS AND JOISTS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS. BEAM SEATS AND COLUMN CAPS.
C. SEE SHEET A1.0 FOR DIMENSIONS.
D. EXTERIOR STUD WALLS ARE 2x6 AT 16" O.C. U.O.N.
E. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESERVATIVE TREATED.
F. 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 SPLICED 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.
G. 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.
H. USE PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.

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

FRAMING PLAN NOTES | C

1. INTERIOR SHEAR WALL - PROVIDE DOUGLAS FIR 2x6 STUDS AT 16" O.C. AND 6x6 POST EACH END.
2. INTERIOR NONBEARING STUD WALL FRAMING; REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 13 & 14/S4.1 AND WALL FRAMING NOTES.
3. (2) 2x6 TOP PLATES - SPLICE PER 15/S4.1. U.O.N.
4. TOP OF PLATE ELEVATION 22'-1" AT PARAPET.
5. TOP OF PLATE ELEVATION 20'-10 1/2" AT PARAPET.
6. TOP OF PLATE ELEVATION 18'-10" AT PARAPET.
7. EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH TOWER FRAMING - TYPICAL.
8. TOP OF PLATE ELEVATION = 13'-4".
9. COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0. PROVIDE BLOCKING AROUND ALL HORIZONTAL SHEAR WALL PENETRATIONS.
10. SEE 6/S4.2 FOR WALL FRAMING AT OPENING.
11. SEE DETAIL 1/S4.2 FOR BUILD-OUT ATTACHMENT.
12. COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
13. SEE S3.0 FOR HEADER SIZES AND 12/S4.2 FOR TYPICAL HEADER DETAIL.
14. CONT. SILL GASKET BELOW SILL PLATES WITH 5-1/2" WIDE POLYETHYLONS.

KEY NOTES | B

NOT USED N.T.S. | F

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS
ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00
TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

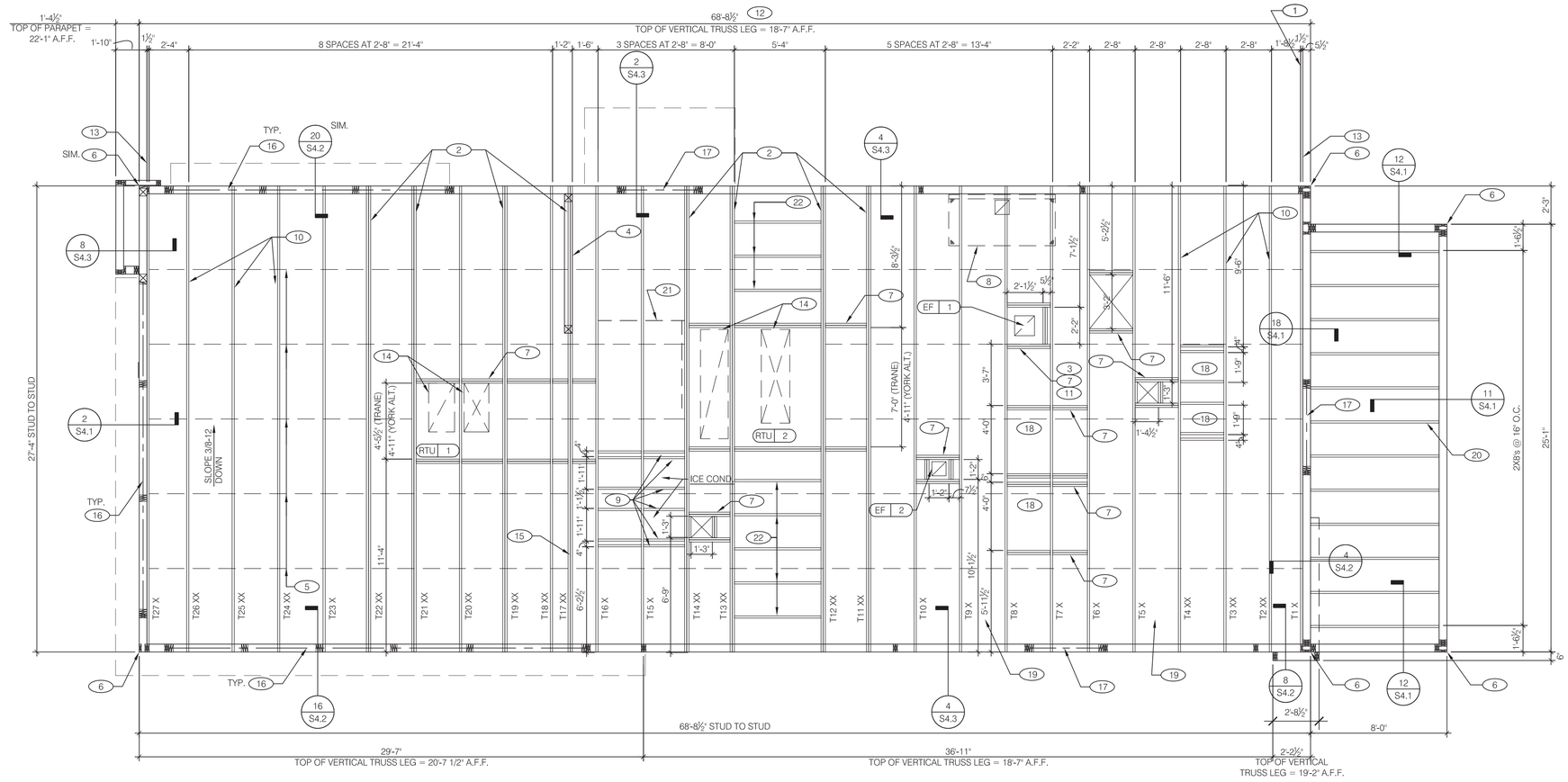
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

WALL FRAMING PLAN

S2.0

PERMIT PLOT DATE: 01.08.16



EXTREME CARE SHALL BE USED IN ERECTING ROOF TRUSSES - COMPLY WITH TRUSS PLATE INSTITUTE BRACING REQUIREMENTS.

ROOF NOT DESIGNED FOR PONDING. SEE ARCHITECTURAL DRAWINGS FOR DRAIN REQUIREMENTS.

ROOF FRAMING PLAN 1/4"=1'-0" | A

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	-
EN	10d @ 6" O.C.	-
FN	10d @ 12" O.C.	-
ROOF SHEATHING	5/8" CDX PLYWOOD (40/20), PS1 RATING	-

NOTE:

SEE 13/S4.2 FOR ROOF LAYOUT PLAN. SEE 18/S4.2 FOR NAILING SCHEDULE.

NAILING SCHEDULE - ROOF | D

ROOF FRAMING NOTES:

A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSCL CLIPS. PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT. SEE DETAIL 14/S4.2. 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 SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.

MANUFACTURED ROOF TRUSS NOTES:

A. MFRD ROOF TRUSSES ARE AT 2'-8" O.C. U.O.N.

B. "T-#" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 19/S4.3.

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 (PROJECT)). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND , IF REQUIRED, TO BLDG OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.

D. TRUSS MFR 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 AS INDICATED ON THE DRAWINGS. SEE 16/S4.3.

G. MFRD ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 18/S4.3.

H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.

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

J. INSTALLATION OF ALL TRUSSES 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 TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.

L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

M. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF FRAMING NOTES | C

1. STARTING POINT OF TRUSS LAYOUT - REAR EDGE OF TRUSS.
2. VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING, TYPICAL. SECOND TRUSS (IF REQD.) SHALL BE LOCATED ON THE FRONT SIDE OF ILLUSTRATED TRUSS.
3. COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
4. INTERIOR SHEAR WALL BELOW. ALIGN KITCHEN SIDE OF WALL WITH SIDE OF TRUSS. SEE DETAIL 9/S4.1. PROVIDE BLOCKING AROUND ALL SHEAR WALL PENETRATIONS.
5. CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQIRED FOR DUCT PLENUMS, MAX SPACING AT 48" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 16/S4.1 FOR LAP CONFIGURATION.
6. SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
7. (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. ALL ROOF OPENINGS - SEE DETAIL 3/S4.2.
8. LOCATION OF HOOD. SEE SHT. M3.0 HOOD DRAWINGS FOR HOOD. ALSO DETAIL 17/S4.3 FOR ATTACHMENT.
9. 2x6 JOIST W/ U26 EACH END FOR LENGTH OF CONDENSER PLATFORM. SEE SHEET A3.0 FOR LOCATION.
10. VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO SNOW DRIFT LOADING, TYPICAL. SECOND TRUSS (IF REQ'D.) SHALL BE LOCATED ON THE FRONT SIDE OF ILLUSTRATED TRUSS.
11. EXHAUST DUCT OPENING SIZED FOR 'DUCT WRAP". ADJUST ROUGH OPENINGS AS REQUIRED WHERE 1-HR DUCT SHAFT CONSTRUCTION IS REQUIRED BY LOCAL CODE. REFER TO MECH. DWGS.
12. TRUSSES. SEE DTL. 16/S4.3.
13. DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
14. HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
15. DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS AS REQUIRED. DESIGN DRAG TRUSS FOR 365 PLF ALONG TOP CHORD OF TRUSS (10,000 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10D\d NAILS @ 4" O.C. ALONG ENTIRE LENGTH OF TRUSS .
16. (3)-1.75x9.25 MICROLAM.
17. (3)-2x8 SPF.
18. PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK.
19. COORDINATE LOCATIONS OF WATER HEATER FLUES WITH MECHANICAL AND PLUMBING DWGS.
20. 2X8 JOISTS AT 24" O.C.
21. 2x6 CEILING JOISTS @ 16" O.C. @ 7'-0" A.F.F. SEE 1/A6.4.
22. 2x6 @ 2'-0" O.C. WITH SIMPSON U-26 EA. END.

KEY NOTES | B

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

TCS
ENGINEERING, LLC
WV COA# - C03819-00

1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL

LIVE MAS

MEDIUM 40

ROOF FRAMING PLAN

S3.0

PERMIT PLOT DATE: 01.08.16

NOT USED NTS **17**

NOT USED NTS **18**

NOT USED N.T.S. **19**

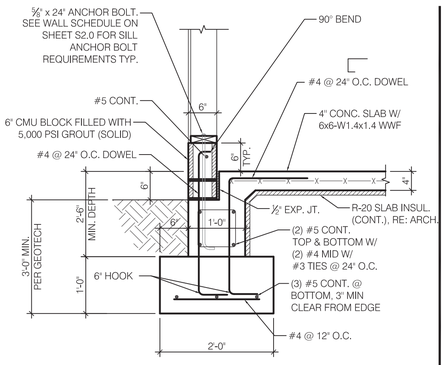
NOT USED N.T.S. **20**

NOT USED NTS **13**

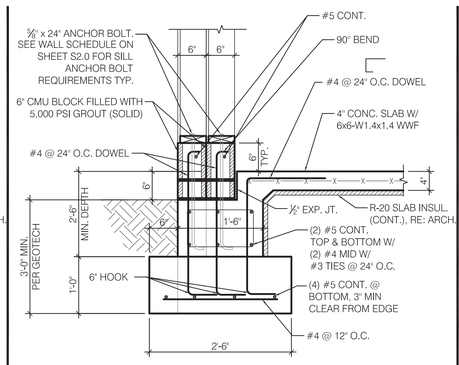
NOT USED NTS **14**

NOT USED N.T.S. **15**

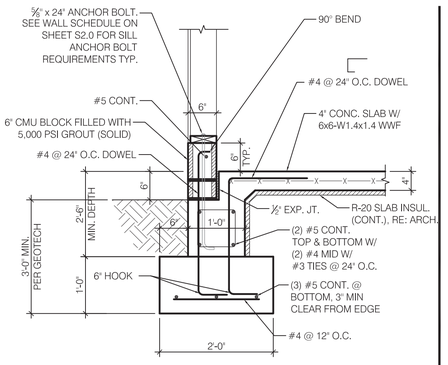
NOT USED N.T.S. **16**



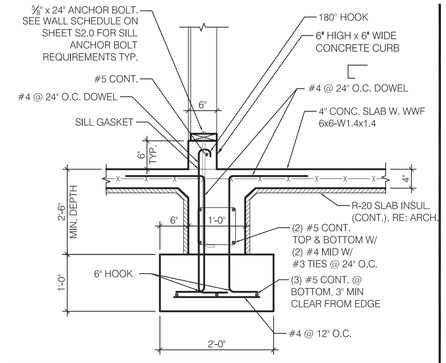
FOOTING AT COOLER 3/4" = 1'-0" **9**



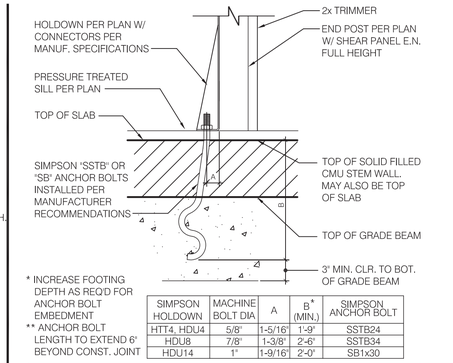
FURRED WALL 3/4" = 1'-0" **5**



FOOTING @ TYP. WALLS 3/4" = 1'-0" **1**

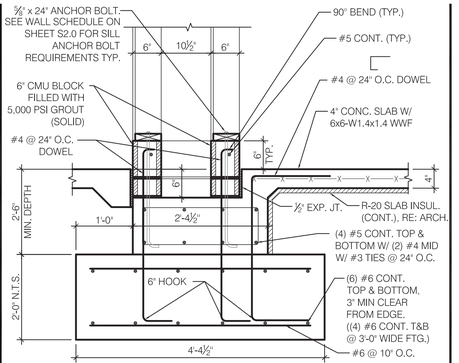


INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **10**

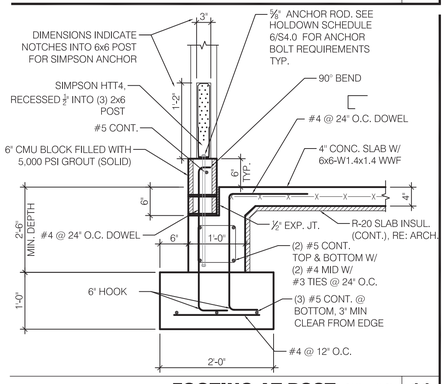


SIMPSON HOLDOWN	MACHINE BOLT DIA	A	B* (MIN.)	SIMPSON ANCHOR BOLT
HTT4, HDU4	5/8"	1-5/16"	1'-9"	SSTB24
HDU8	7/8"	1-3/8"	2'-6"	SSTB34
HDU14	1"	1-9/16"	2'-0"	SB1x30

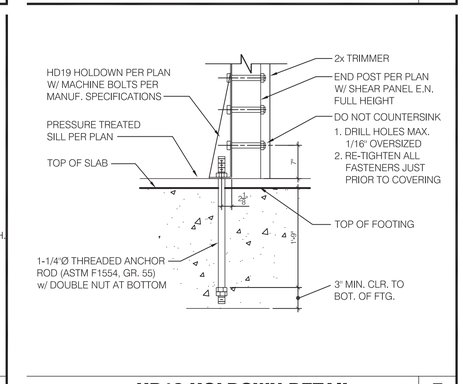
HOLDDOWN SCHEDULE N.T.S. **6**



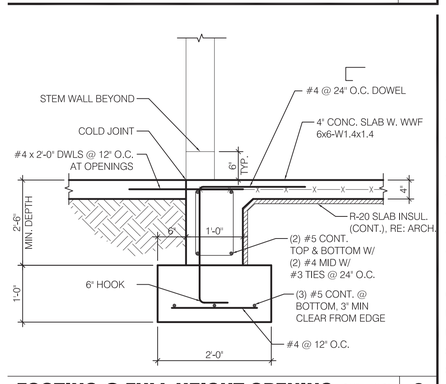
FOOTING @ FRONT TOWER LEG 3/4" = 1'-0" **2**



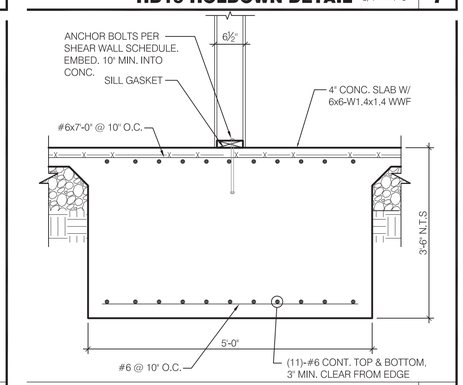
FOOTING AT POST 3/4" = 1'-0" **11**



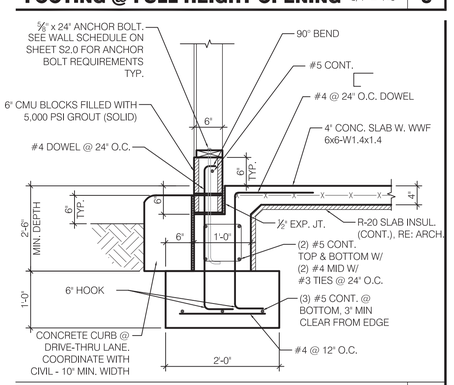
HD19 HOLDOWN DETAIL 3/4" = 1'-0" **7**



FOOTING @ FULL HEIGHT OPENING 3/4" = 1'-0" **3**



FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **8**



FOOTING @ DRIVE THRU 3/4" = 1'-0" **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

TCS ENGINEERING, LLC
WV COA# - C03819-00

1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

FOUNDATION DETAILS

S4.0

PERMIT PLOT DATE: 01.08.16

NOT USED NTS **17**

NOT USED NTS **18**

NOT USED N.T.S. **19**

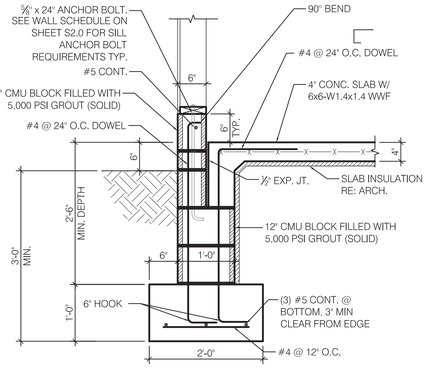
NOT USED N.T.S. **20**

NOT USED NTS **13**

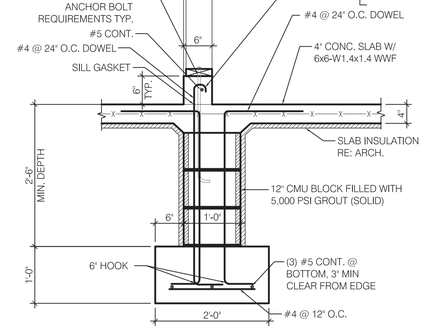
NOT USED NTS **14**

NOT USED N.T.S. **15**

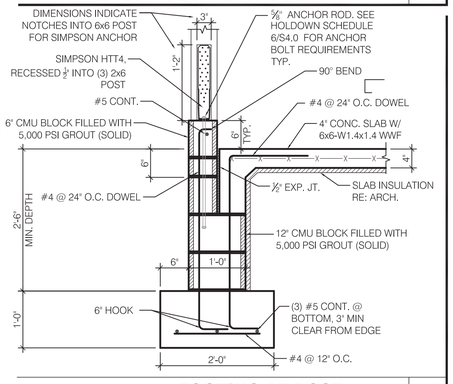
NOT USED N.T.S. **16**



FOOTING AT COOLER 3/4" = 1'-0" **9**

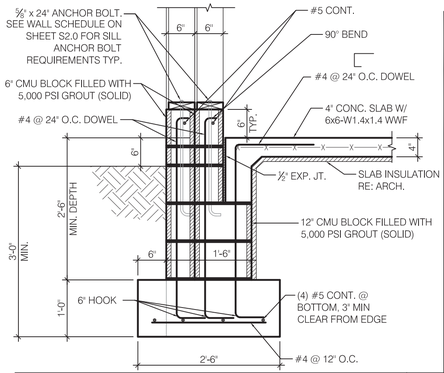


INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **10**

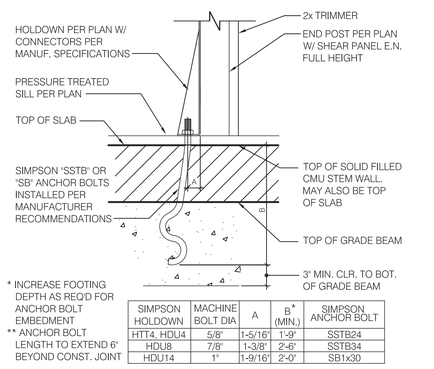


FOOTING AT POST 3/4" = 1'-0" **11**

NOT USED NTS **12**

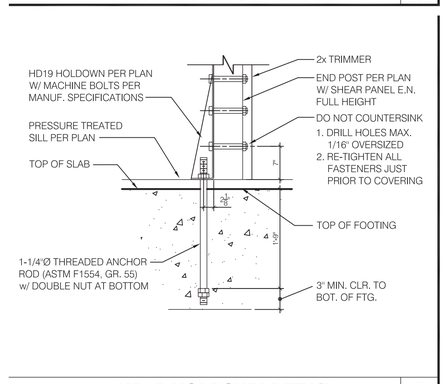


FURRED WALL 3/4" = 1'-0" **5**

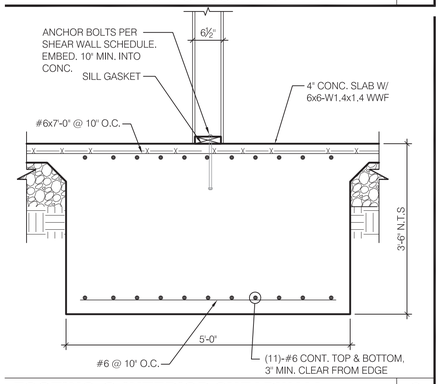


SIMPSON HOLDOWN	MACHINE BOLT DIA	A	B* (MIN.)	SIMPSON ANCHOR BOLT
HTT4, HDU4	5/8"	1-5/16"	1'-9"	SSTB24
HDU8	7/8"	1-3/8"	2'-6"	SSTB34
HDU14	1"	1-9/16"	2'-0"	SB1x30

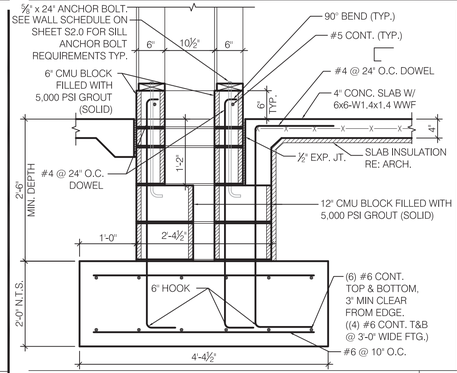
HOLDDOWN SCHEDULE N.T.S. **6**



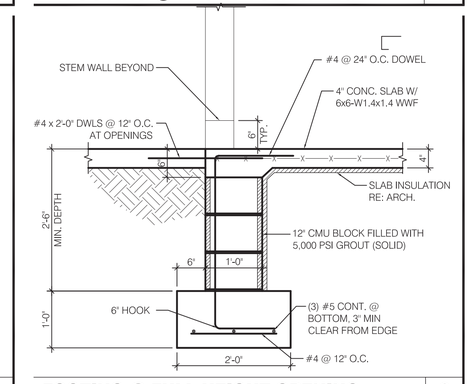
HD19 HOLDOWN DETAIL 3/4" = 1'-0" **7**



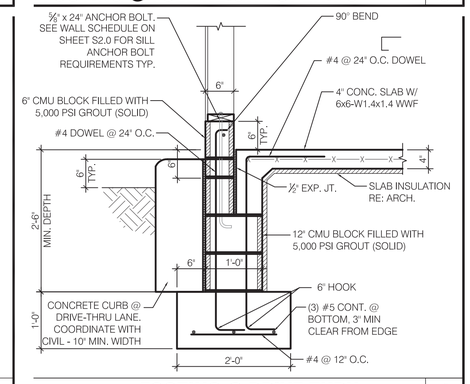
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **8**



FOOTING @ FRONT TOWER LEG 3/4" = 1'-0" **2**



FOOTING @ FULL HEIGHT OPENING 3/4" = 1'-0" **3**



FOOTING @ DRIVE THRU 3/4" = 1'-0" **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

TCS
ENGINEERING, LLC
WV COA# - C03819-00

1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P -- NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL

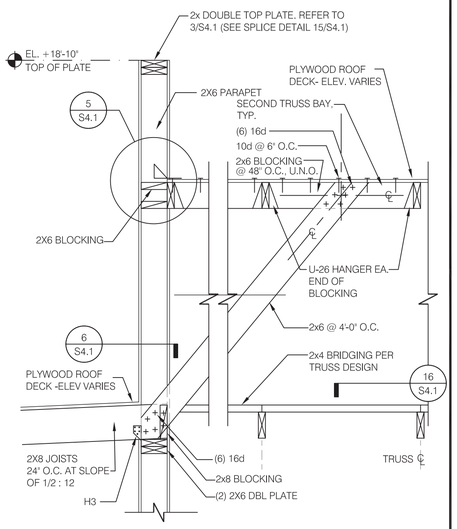
LIVE MAS

MEDIUM 40

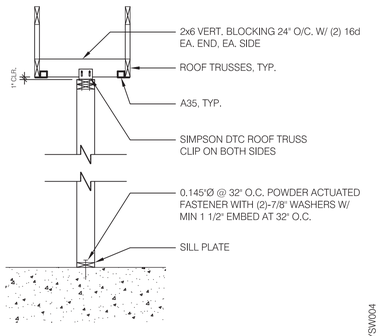
ALTERNATE FOUNDATION DETAILS

S4.0A

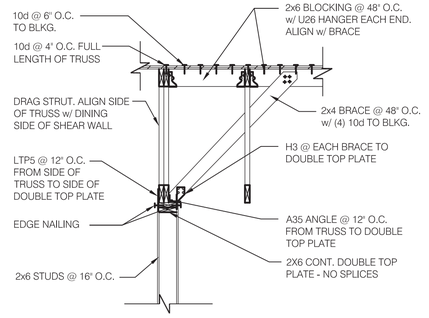
PERMIT PLOT DATE: 01.08.16



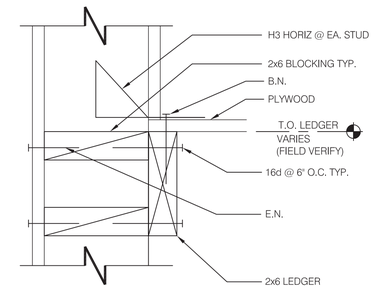
REAR WALL 3/4"=1'-0" | 18



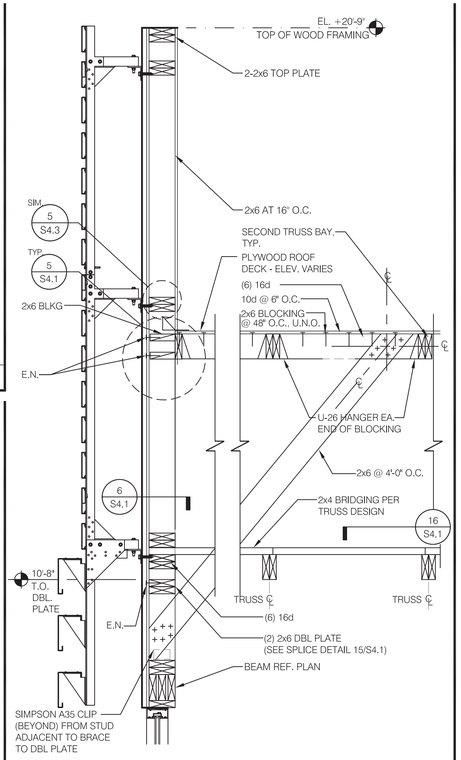
SUPPORT- PARALLEL TO TRUSS 1/2" = 1'-0" | 13



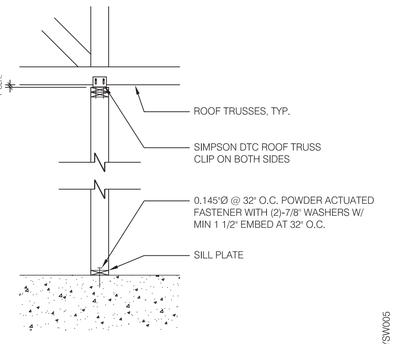
INTERIOR SHEAR WALL 1/4" = 1'-0" | 9



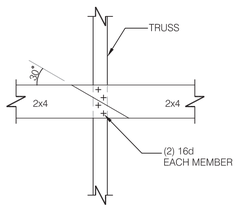
LEDGER DETAIL 3" = 1'-0" | 5



FRONT WALL 3/4" = 1'-0" | 2

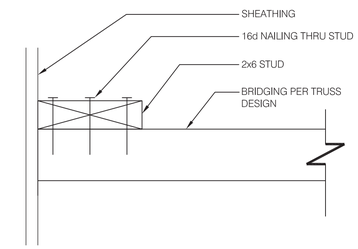


SUPPORT PERP. TO TRUSS 1/2" = 1'-0" | 14

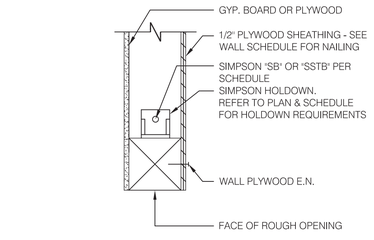


NOTE: REFER TO TRUSS ELEVATION 3/S4.2.

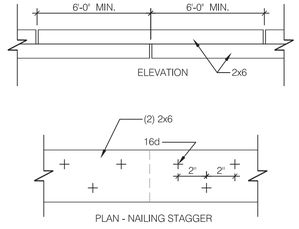
BRIDGING LAP DETAIL @ OPEN CLG. N.T.S. | 10



BRIDGING DETAIL N.T.S. | 6

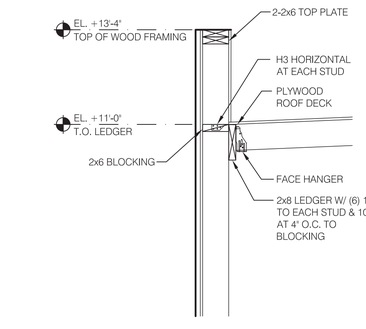


HOLD DOWN END 1-1/2" = 1'-0" | 19

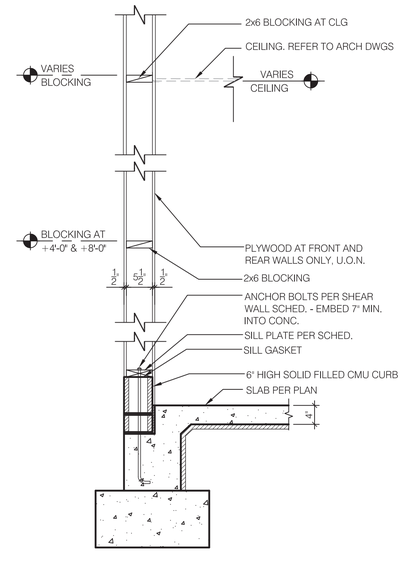


TYPICAL - ALL DOUBLE PLATE CONDITIONS - U.O.N.

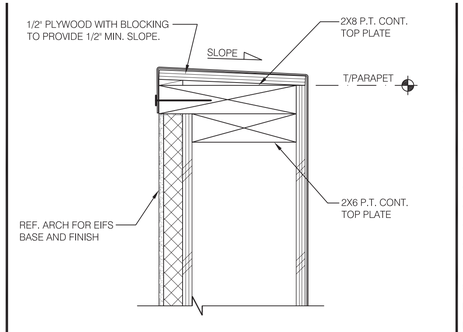
PLATE LAP DETAIL N.T.S. | 15



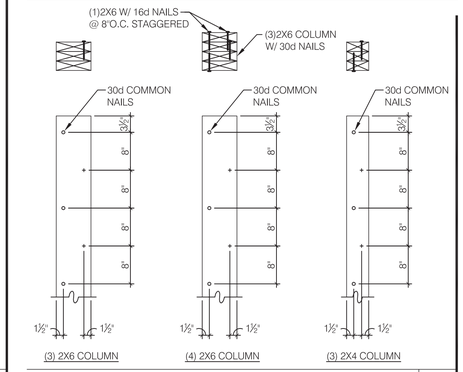
REAR COOLER WALL 3/4" = 1'-0" | 11



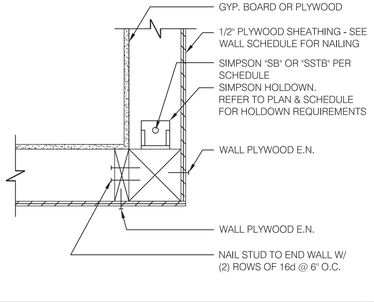
TYPICAL WALL BELOW JOIST 3/4" = 1'-0" | 8



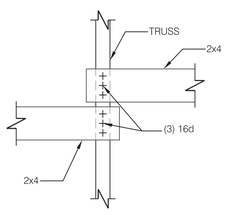
TYP. PARAPET CAP 3" = 1'-0" | 3



BUILT-UP 2X COLUMNS N.T.S. | 4

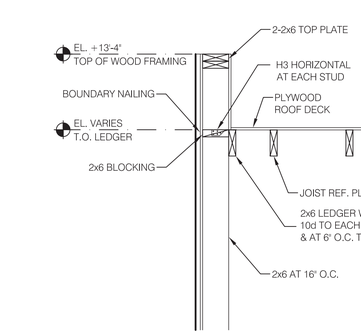


HOLD DOWN CORNER 1-1/2" = 1'-0" | 20



NOTE: REFER TO TRUSS ELEVATION 3/S4.2.

BRIDGING LAP DETAIL N.T.S. | 16



SIDE COOLER WALL 3/4" = 1'-0" | 12

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

STRUCTURAL DETAILS

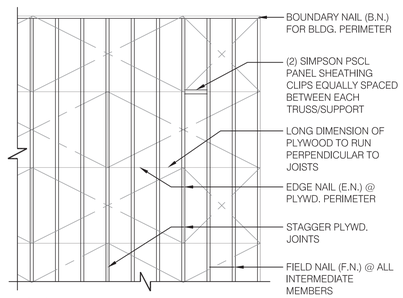
S4.1

PERMIT PLOT DATE: 01.08.16

CONNECTION TYPE:	NAILING:
1. JOIST TO SILL OR GIRDER, TOENAIL	(3-8d)
2. BRIDGING TO JOIST, TOENAIL EACH END	(2-8d)
3. 1"x6" (25MMx152MM) SUBFLOOR OR LESS TO JOIST, FACE NAIL	(2-8d)
4. WIDER THAN 1" X 6"(25MMx152MM) SUBFLOOR TO JOIST, FACE NAIL	(3-8d)
5. 2" (52MM) SUBFLOOR TO GIRDER, BLIND AND FACE NAIL	(2-16d)
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	(16d @16" O.C.)
7. SOLE PLATE TO JOIST OR BLOCKING, AT BRACED W. PANELS	(3-16d PER 16")
8. TOP PLATE TO STUD, END NAIL	(2-16d)
9. STUD TO SOLE PLATE	(2-16d END NAIL)
10. DOUBLE STUDS, FACE NAIL	(16d @ 24", O.C.)
11. DOUBLE TOP PLATES, TYPICAL FACE NAIL	(16d @ 16" O.C.)
12. DOUBLE TOP PLATES, LAP SPLICE	(8-16d)
13. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	(3-8d)
14. RIM JOIST TO TOP PLATE, TOENAIL	(8d @ 6" O.C.)
15. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	(2-16D)
16. CONTINUOUS HEADER, TWO PIECES	(16d @ 16" O.C. ALONG EDGE)
17. CEILING JOISTS TO PLATE, TOENAIL	(3-8d)
18. CONTINUOUS HEADER TO STUD, TOENAIL	(4-8d)
19. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	(3-16d)
20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3-16d)
21. RAFTER TO PLATE, TOENAIL	(3-8d)
22. 1" (25MM) BRACE TO EACH STUD AND PLATE, FACE NAIL	(2-8d)
23. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	(2-8d)
24. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	(3-8d)
25. BUILT-UP CORNER STUDS	(16d @ 24" O.C.)
26. 2" PLANKS	(2-16d AT EACH SPLICE)
27. 2x6 BOX BEAM / HEADER	(12d @ 12" O.C.)
28. BUILT-UP GIRDER AND BEAMS	(20d @ 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE)

YSR005

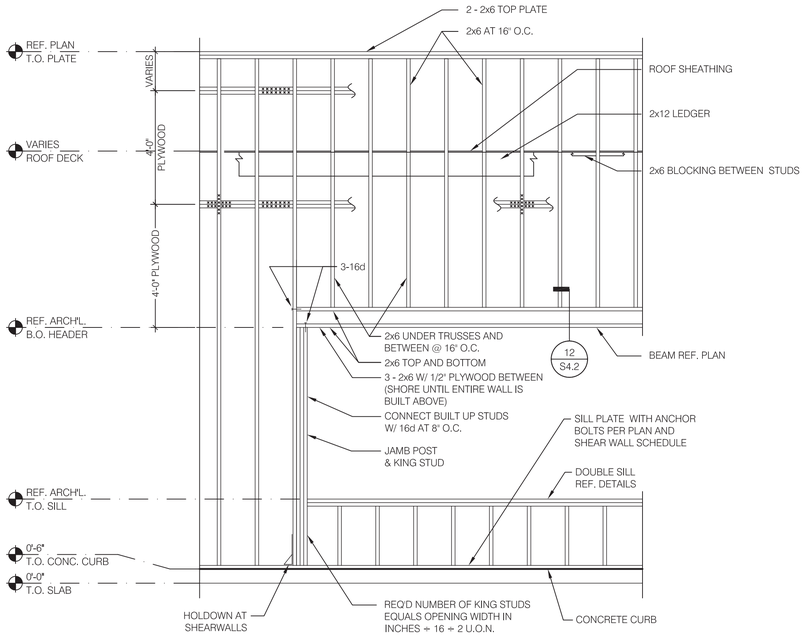
NAILING SCHEDULE N.T.S. **18**



NOTES:
1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".
2. MIN. 3/8" NAILING EDGE DISTANCE.
3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.

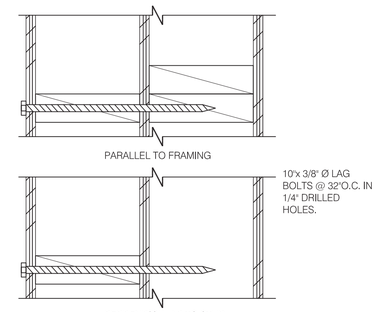
ROOF NAILING PLAN N.T.S. **13**

PLYWOOD EDGE SUPPORT N.T.S. **14**

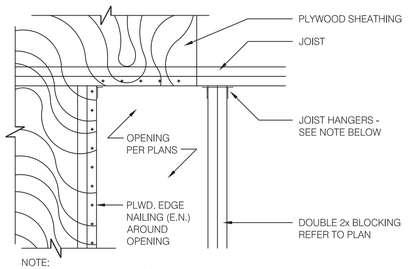


YSW237

WALL FRAMING AT OPENING 3/8" = 1'-0" **6**

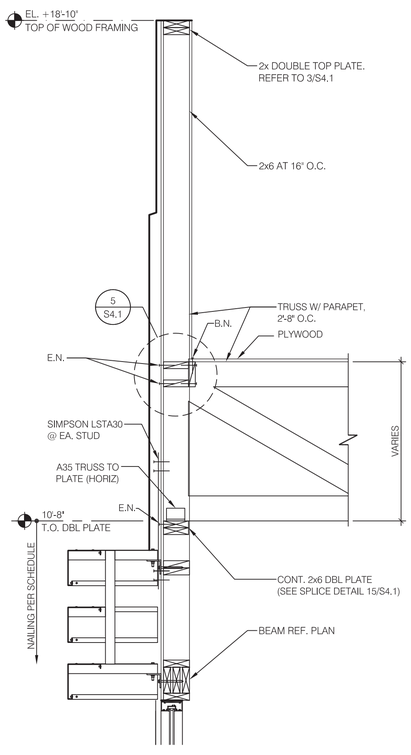


BUILD-OUT ATTACHMENT N.T.S. **1**

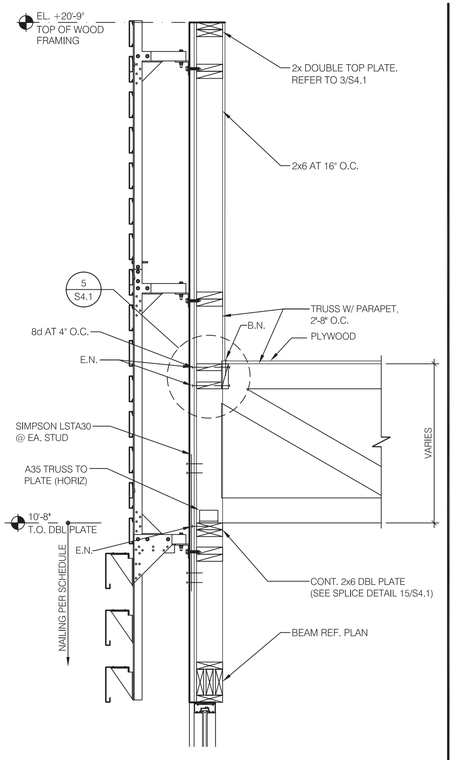


NOTE:
HANGERS SHALL BE "SIMPSON" STANDARD "U" @ ROOF.
DBL. JOIST OR RAFTERS SHALL BE JOINED TOGETHER AS FOLLOWS:
1. 10" OR LESS NOM. DEPTH - 16d @ 12" O.C. STAGGERED
2. MORE THAN 10" - (2)16d @ 12" O.C.

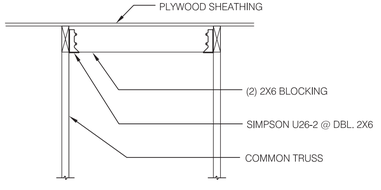
TYPICAL ROOF OPENING 1"=1'-0" **3**



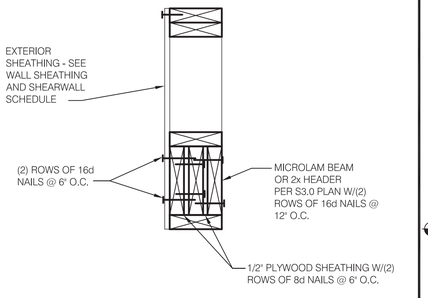
DRIVE-THRU SIDEWALL AT DINING 3/4" = 1'-0" **20**



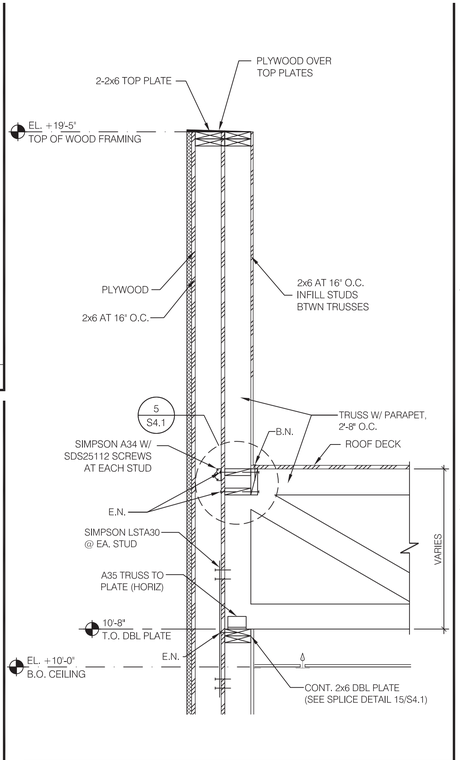
SIDEWALL AT DINING 3/4" = 1'-0" **16**



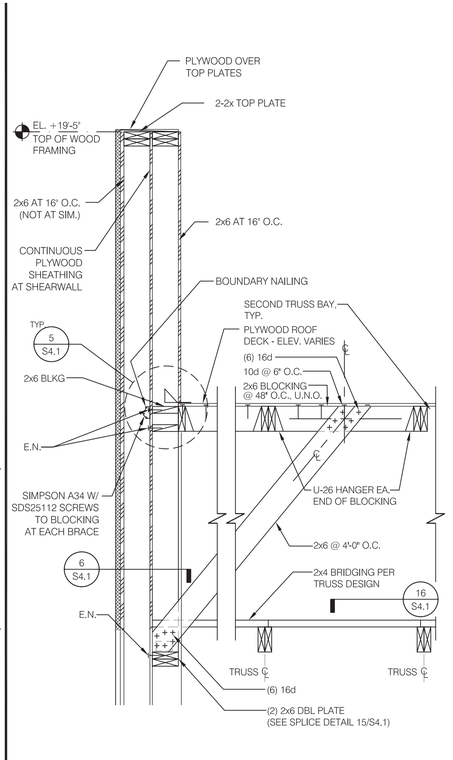
ROOF OPENING DETAIL N.T.S. **11**



TYP. MULTIPLE HEADER 1 1/2"=1'-0" **12**



WALL AT REAR TOWER 3/4" = 1'-0" **8**



WALL AT REAR TOWER 3/4" = 1'-0" **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

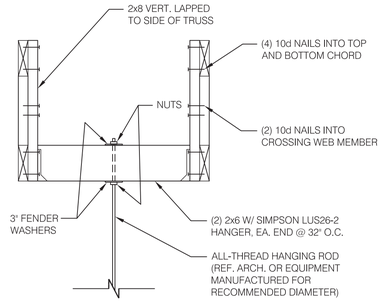
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

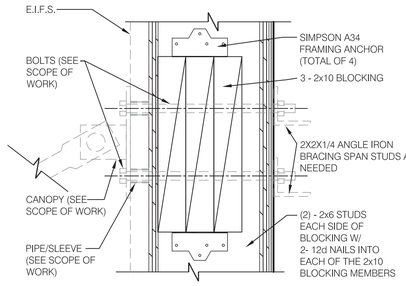
STRUCTURAL DETAILS

S4.2

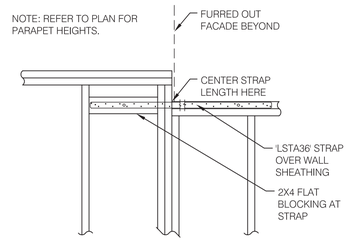
PERMIT PLOT DATE: 01.08.16



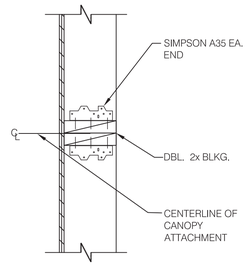
HANGING BULKHD. OR HOOD DETL. N.T.S. | 17



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

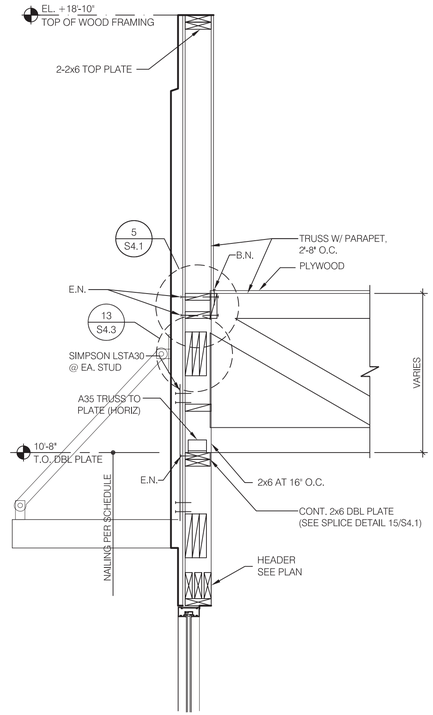


STRAP AT PARAPET HEIGHT TRANS. N.T.S. | 9

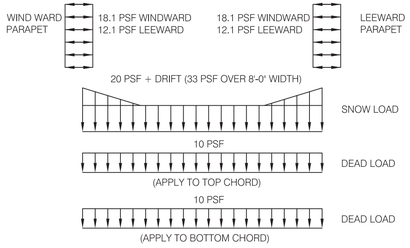


NOTE: PROVIDE BLOCKING AT EACH LAG SCREW LOCATION FROM SLAT WALL SUPPORTS

SLAT WALL BLOCKING 1-1/2" = 1'-0" | 5



D/T WALL SECTION 3/4" = 1'-0" | 2



NOTE:
ALSO, APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS AS NOTED ARE SHOWN ON THIS SHEET AND ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.

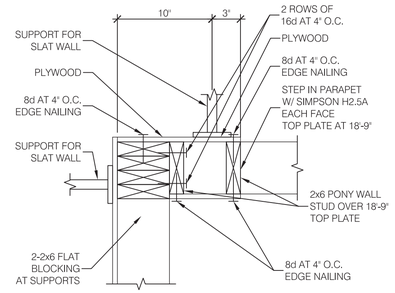
TRUSS DESIGN CRITERIA N.T.S. | 18

EQUIPMENT		DESIGN WEIGHT
HVAC UNIT - RTU-1	*	1700 lbs.
HVAC UNIT - RTU-2	*	2800 lbs.
HVAC UNIT - RTU-1 (ALT)	*	1750 lbs.
HVAC UNIT - RTU-2 (ALT)	*	1900 lbs.
EXHAUST FAN - EF-1	*	200 lbs.
EXHAUST FAN - EF-2	*	70 lbs.
HOOD #1 - TACO BELL		400 lbs.
ICE CONDENSERS		200 lbs.
FREEZER CONDENSER		300 lbs.
COOLER CONDENSER		300 lbs.
MUZAK DISH, SLED & BALLAST - ALLOW FOR LOCATION ANYWHERE ON ROOF.		1,087 lbs.

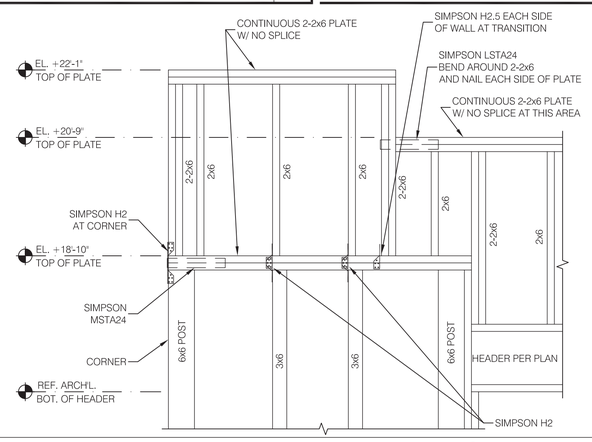
* A. ALL DESIGN WEIGHTS INCLUDE CURB.
B. COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE 1/M1.0.

ROOF TOP UNIT WEIGHTS N.T.S | 14

NOT USED | 10



CORNER PARAPET PONY WALL 1 1/2" = 1'-0" | 6



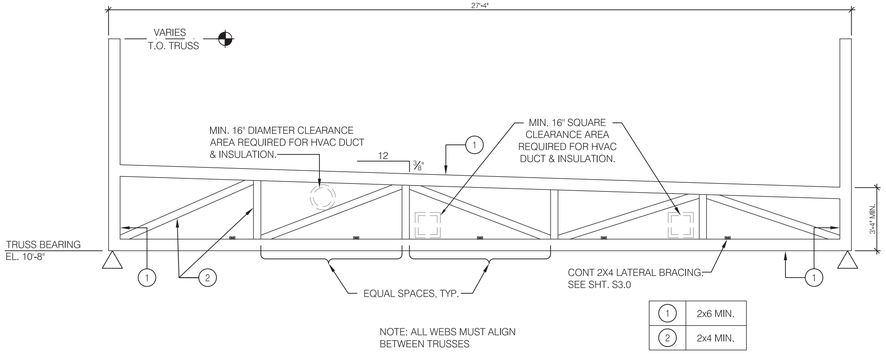
FRONT WALL AT TOWER 3/4" = 1'-0" | 11

TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T27	X	XX	△	SEE NOTE 1.

NOTES:

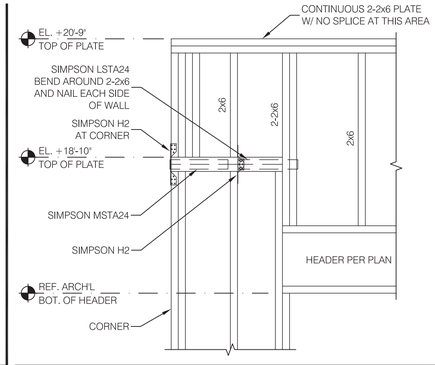
1. HOLDOWN CONNECTORS SHALL BE SPECIFIED BY SITE SPECIFIC ARCHITECT/ ENGINEER BASED UPON LOADING DATA PROVIDED BY TRUSS DESIGNER.
2. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
3. TRUSS MEMBER SIZES ARE FOR REFERENCE ONLY. ACTUAL SIZE SHALL BE DETERMINED BY TRUSS MANUFACTURER BASED ON ACTUAL LOAD CONDITIONS AND CODES.

TRUSS SCHEDULE N.T.S. | 19

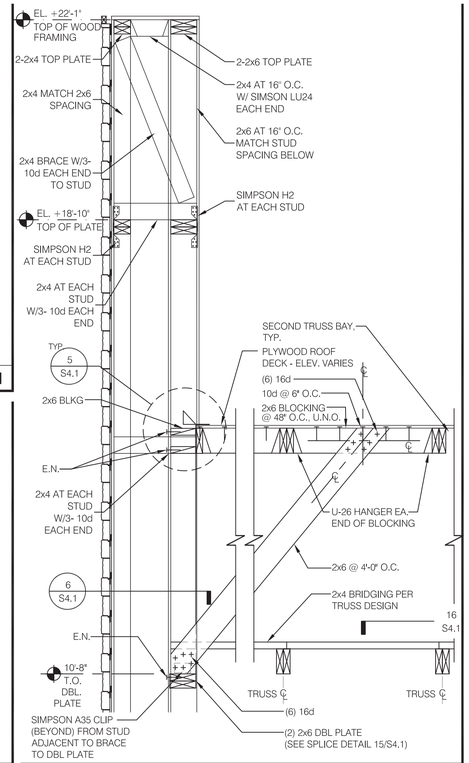


1	2x6 MIN.
2	2x4 MIN.

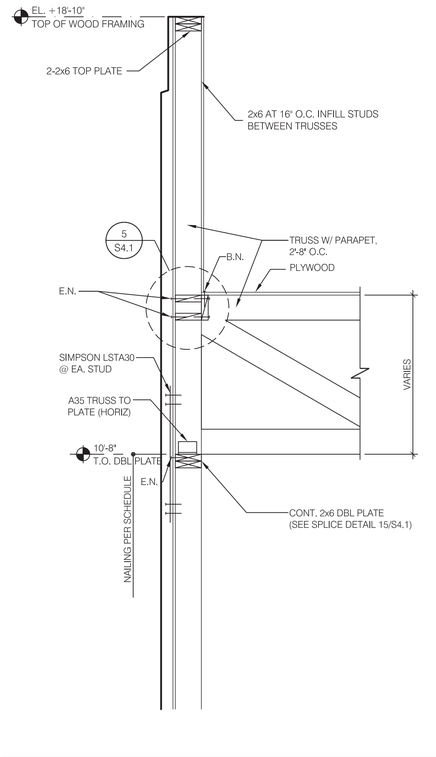
TRUSS ELEVATION 1/4" = 1'-0" | 16



FRONT WALL AT CORNER 3/4" = 1'-0" | 12



TOWER WALL 3/4" = 1'-0" | 8



LOW SIDE WALL AT JOIST 3/4" = 1'-0" | 4

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

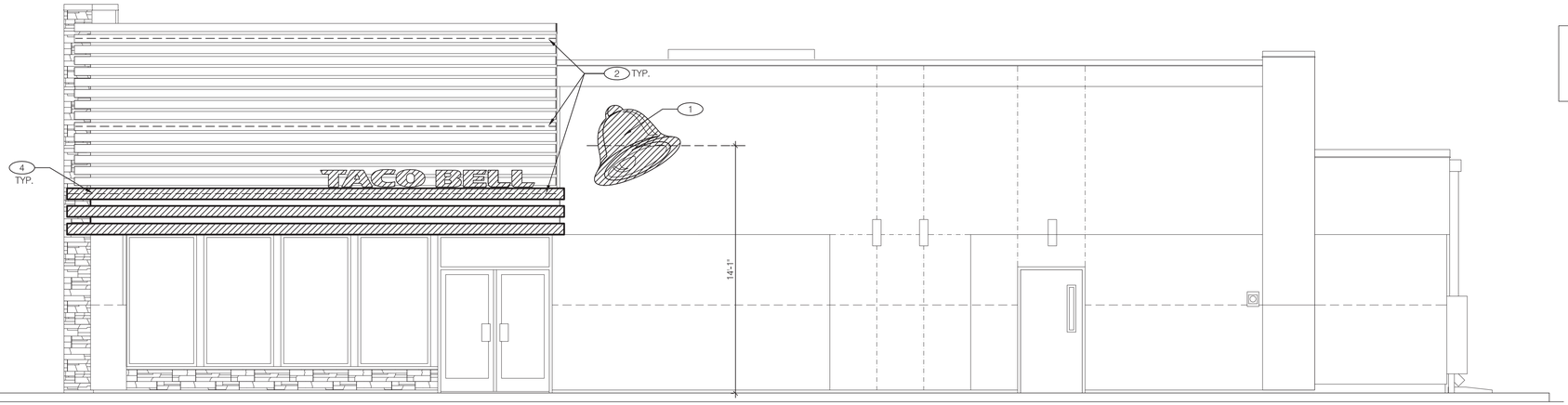
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

STRUCTURAL DETAILS

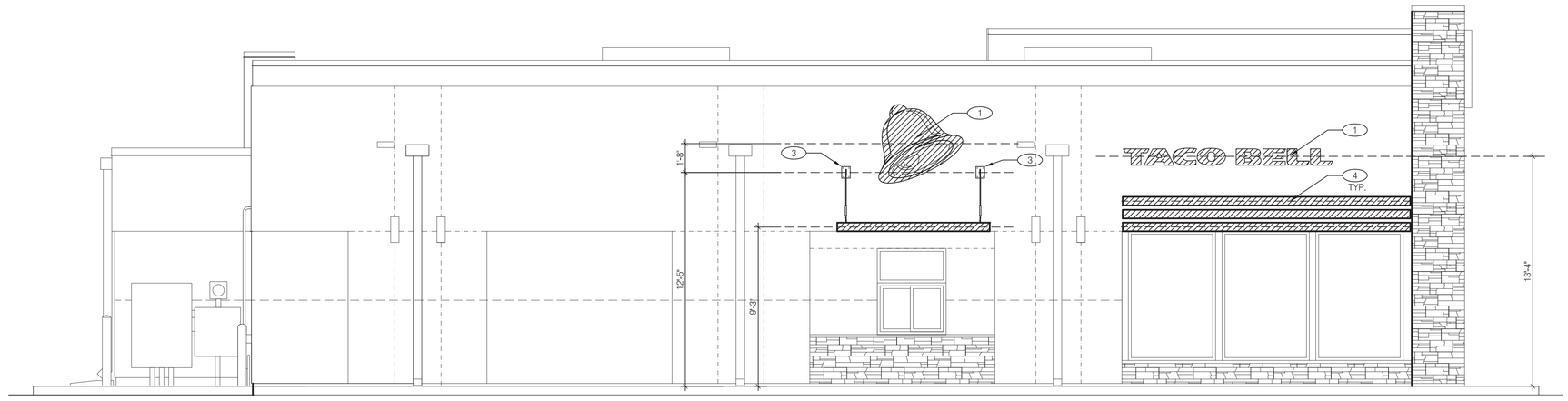
S4.3

PERMIT PLOT DATE: 01.08.16

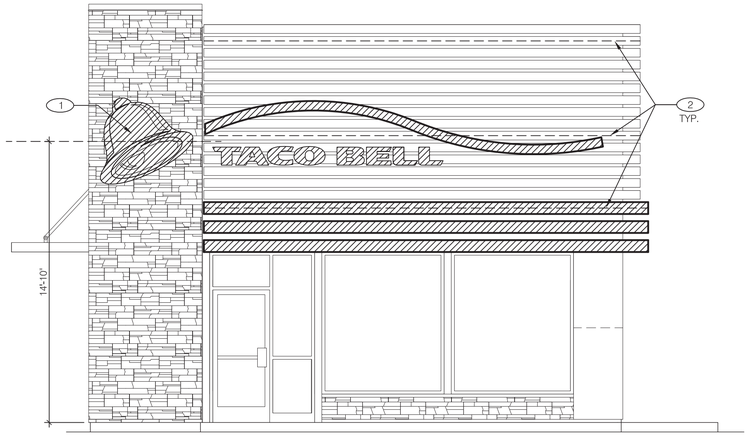


COORDINATE BLOCKING REQUIREMENTS WITH SIGN VENDOR

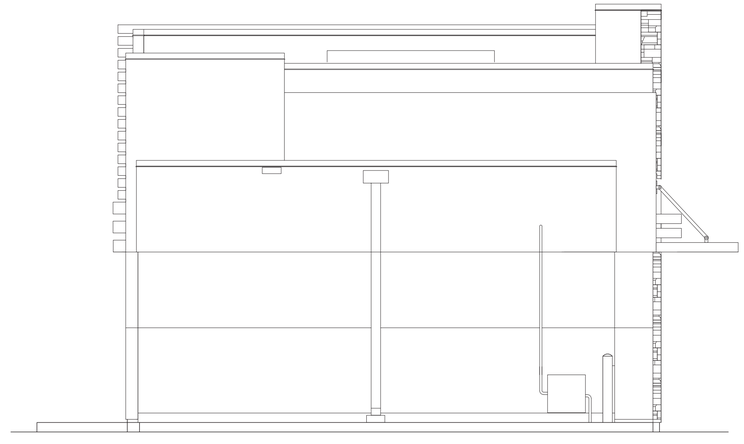
RIGHT SIDE ELEVATION 1/4" = 1'-0" | **A**



LEFT SIDE ELEVATION 1/4" = 1'-0" | **B**



FRONT ELEVATION 1/4" = 1'-0" | **F**



REAR ELEVATION 1/4" = 1'-0" | **E**

1. SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.
2. BLOCKING FOR SLAT WALL ATTACHMENT. SEE DETAIL 5/S4.3
3. PROVIDE BLOCKING FOR CANOPY. SEE DETAIL 13/S4.3
4. PROVIDE BLOCKING FOR VALANCE. SEE DETAIL 5/S4.3

KEY NOTES | **C**

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 AWNINGS & CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.

GENERAL NOTES | **D**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:
TCS
ENGINEERING, LLC
WV COA# - C03819-00
1999 CALLOWAY LANE
FRISCO, TEXAS 75034
PH: 972-849-2987
FAX: 972-712-5038
EMAIL: trav@tcseng.com

WV COA# C03819-00

TRAV SWEATMAN REGISTERED 17717 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

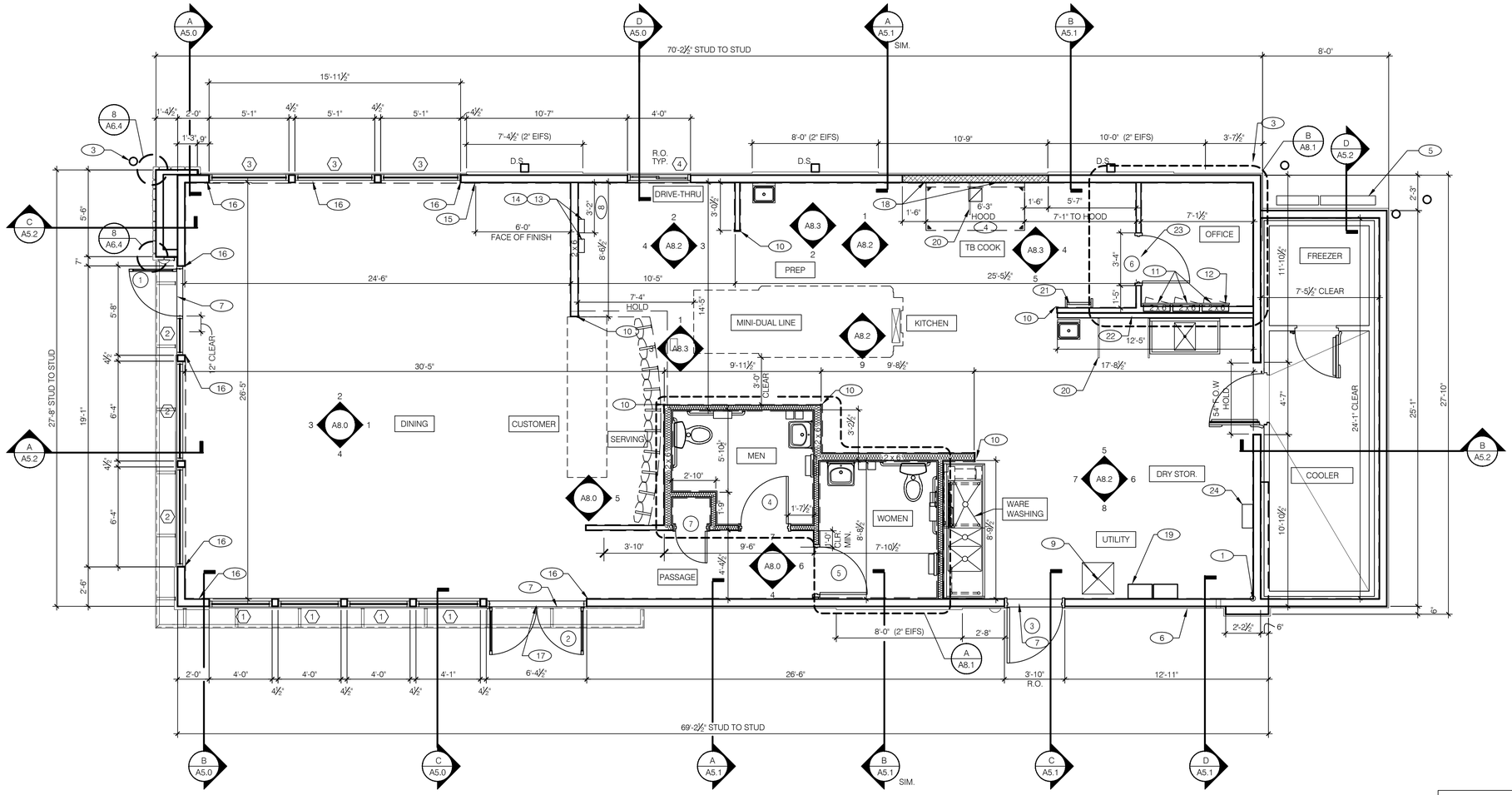
LIVE MAS

MEDIUM 40

CANOPY/ AWNING BLOCKING ELEVATIONS

S5.0

PERMIT PLOT DATE: 01.08.16



ROUGH OPENINGS ARE NOT NECESSARILY TO STUD. SEE DETAILS ON SHEET A6.1 FOR R.O. LOCATIONS.

12 11 10 9 8 7 6 5 4 3 2 1

FLOOR PLAN 1/4"=1'-0" | A

WALL LEGEND | E

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 :
2x4 WD STUDS AT 16" O.C. (2x6 OR 2x8 WHERE NOTED.)

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

HOODWALL:
TYPICAL EXTERIOR WALL WITH 20 GA. S.S. PANEL BEHIND HOOD. REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL.

DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

WALL SUBSTRATES:

DINING ROOM:
1/2" GYPSUM WALLBOARD FROM T.O. CURB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6, 8 & 16 / 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.
1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N.
IF DOUBLE SIDED SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4, 11 & 20 / 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. SEE 11 (SIM), 12 /A6.3.

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 SCHEDULED.

FLOOR PLAN NOTES | D

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS.
B. DIMENSIONS NOTED AS 'CLEAR' OR 'HOLD' ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

WINDOWS / DOORS:
A. SEE SHT. A1.1 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 A2.0 FOR SEATING PLAN AND DETAILS.
B. SEE A7.0 FOR FLOOR FINISHES.
C. SEE A8.0 - A8.3 FOR WALL FINISHES.
D. SEE A7.1 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.
B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.
C. ALL ATTACHMENTS MADE THROUGH E.I.F.S. SHALL BE BUSHED TO PREVENT DAMAGE TO THE FINISH, PER 9/A6.2.
D. ALL PENETRATIONS THROUGH E.I.F.S. SHALL BE SEALED USING MFRS. APPROVED METHOD.

KEY NOTES | B

1. STARTING POINT. ALL SUB-TRADES SHALL USE THIS POINT AS A BEGINNING LAY-OUT (INSIDE FACE OF EXT. WALL STUDS.
2. NO FRP BEHIND W-07S WALK-IN COOLER/FREEZER.
3. PIPE BOLLARD. SEE DETAIL 8/C1.0.
4. HOOD WALL, SEE WALL LEGEND.
5. ELECTRICAL MAIN SWITCH BOARD. REFER TO ELECT. DWGS.
6. CO2 FILL BOX LOCATION.
7. TILE TO CONCRETE METAL THRESHOLD.
8. KEEP CLEAR FOR UTILITIES & SYRUP LINES. SEE DETAIL 14 & 19/A6.4 FOR STUD LAYOUT REQUIREMENTS.
9. MOP SINK. REFER TO SHEET A2.0 & A2.1.
10. S.S. CORNER GUARD / WALL CAP, TYP. ALL CORNERS IN BACK-OF-HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 19/A6.3.
11. ELECT. PANELS RECESSED IN 2x6 WALL.
12. LIGHTING CONTROL PANEL SURFACE MOUNTED. REFER TO ELECT. DWGS.
13. SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4.
14. 6"x6" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER. SEE 11/A6.4.
15. START OF CHAIR RAIL.
16. CONTINUE CHAIR RAIL AROUND CORNER TO WINDOW JAMB.
17. FULL HEIGHT ASTRAGAL WEATHER-STRIPPING.
18. METAL STUDS REQUIRED.
19. WALL MOUNTED TANKLESS WATER HEATER - SEE PLUMBING
20. SPLASHGUARD. SEE DETAIL 9/A6.3.
21. ROOF LADDER SEE 7/A6.0
22. ADD SECOND 2X4 WALL ON KITCHEN SIDE.
23. CASED OPENING, REFER TO DETAIL 6/A6.4. DOOR OPTIONAL, REFER TO DOOR SCHEDULE ON A1.1 (DOOOR #6).
24. 8"D x 18"W x 30"H S.S. SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4 - SIM

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE:	11.05.15
BUILDING TYPE:	LIVE MAS-Medium 40
PLAN VERSION:	REV P ~ NOV '15
SITE NUMBER:	
STORE NUMBER:	

TACO BELL

770 National Road
Wheeling, WV 26003

LIVE MAS

MEDIUM 40

FLOOR PLAN

A1.0

PERMIT PLOT DATE:

NOT USED N.T.S. 10

NOTES N.T.S. 7

1. DIMENSIONS ON THIS DWG. ARE TO FRAME EDGE. REFER TO SHEETS A1.0 AND A5 SHEETS FOR ROUGH OPENING DIMENSIONS.
2. ENTIRE STOREFRONT SYSTEM SHALL BE DARK BRONZE ANODIZED.
3. NOT USED.
4. SEE SCHEDULE FOR GLASS TYPES.
5. REFER TO FLOOR PLAN, ELEVATIONS AND WALL SECTIONS FOR ROUGH OPENING DIMENSIONS.
6. ALL STOREFRONT MATERIAL AND GLAZING SHALL BE SUPPLIED AND INSTALLED BY G.C. U.O.N.

PREFERRED SUPPLIER

INTERIOR DOORS, FRAMES & HARDWARE

LOCKNET
CONSTRUCTION@LOCKNET.COM
800 JOHN C. WATTS DR.
NICHOLASVILLE, KY 40356
855-432-4613, FAX: 877-887-4958

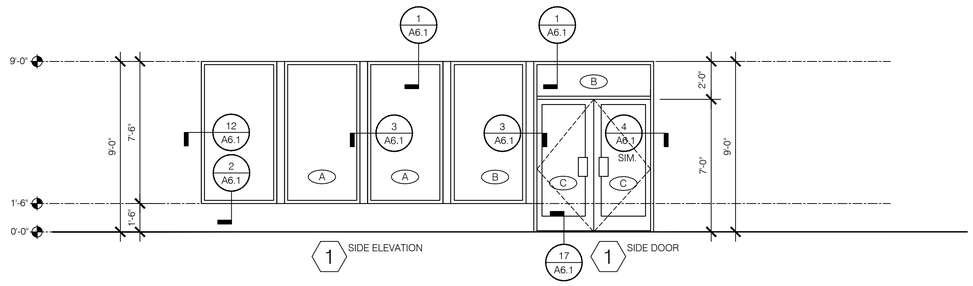
GLASS SCHEDULE

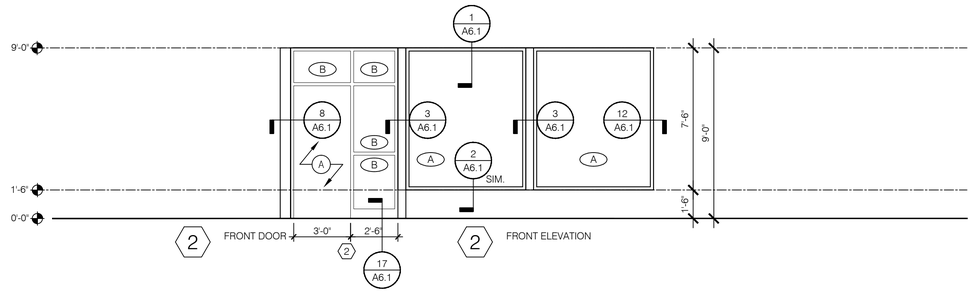
(A) 1" INSULATED GLASS
(B) 1" INSULATED TEMPERED GLASS
(C) 1/4" TEMPERED GLASS
(D) SAFETY GLASS BY MFR.

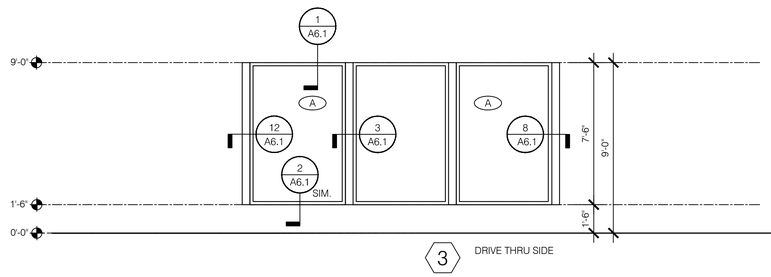
NOTE:
SHADING COEFFICIENT SPECIFICATION PER LOCAL CODE REQUIREMENTS.
DAYTIME VISIBILITY INTO DINING ROOM SHALL BE MAINTAINED.

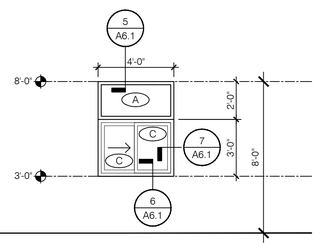
**** ALL STOREFRONT GLAZING SHALL BE LOW "E" SOLAR GLASS ****

GREEN









SEE SCOPE OF WORK FOR
DRIVE-THRU WINDOW INFORMATION.

NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

WINDOW TYPES 1/4" = 1'-0" 9

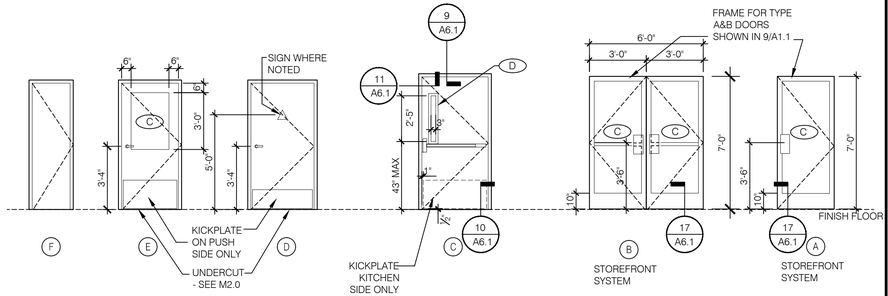
NOT USED N.T.S. 4

1. LAMINATE DOORS 4, 5, 6 & 7 AND PAINT FRAMES 3, 4, 5, 6 & 7. SEE FINISH SCHEDULE, SHEET A7.2.
2. ALL HARDWARE SHALL BE US32D U.O.N.
3. ALL HM FRAMES SHALL BE 16 GA STEEL U.O.N.
4. ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYED ALIKE.
5. PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
6. MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
7. COMPLETE DOOR, FRAME AND HARDWARE PACKAGE INCLUDING: VISION PANEL (WITH 18 GA. HOLLOW METAL FRAME), CONTINUOUS HINGE, HEAVY DUTY CLOSER, RAIN DRIP, DOOR BOTTOM/ SWEEP, WEATHERSTRIP, KICKPLATE AND PANIC HARDWARE, ORDERED THRU LOCKNET SECURITY DOORS, PART #DU3670L52VED (1-800-887-4307).
8. PROVIDE PUSH/ PULL PLATES.
IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE :
DOR-O-MATIC 2092 RIM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL.
9. MOUNT KICKPLATE ON PUSH SIDE ONLY.
10. MAXIMUM DOOR OPERATING PRESSURE : 5 LBS INTERIOR : 8 LBS EXTERIOR.
11. IBC 2012 AND ANSI 2009 COMPLIANT ACCESSIBILITY SIGNAGE WITH RAISED CHARACTERS DUPLICATED IN BRAILE AT ALL EXIT DOORS AND RESTROOMS (1) MEN; (1) WOMEN
12. RESTROOM SIGN REQUIRED.
13. INSTALL WITH REMOVABLE DOOR STOPS AND WEATHER STRIPS.
14. FRAMES SHALL BE PAINTED.
15. RESTROOM PARTITIONS : BOBRICK 1080 SERIES, WITH STAINLESS STL. 1 1/2" WALL POST, LATCH , KEEPER, COAT HOOK (DTL 20/ADA1.0) & MOUNTING BRACKETS. INSTALL PER MANUFACTURER'S SPECIFICATIONS & DETAILS. DOOR HANDLE AND LATCH SHALL BE MOUNTED AT 36" A.F.F.
16. PROVIDE LATCH AND STRIKE PLATE HARDWARE BY DOOR MFR. TO BE COMPATIBLE WITH LOCKS
17. 3'-0" x 7'-0" H.M. DOOR WITH 2" H.M. FRAME MAY BE USED.

DOOR SCHEDULE NOTES 1

DOOR NO.	DOOR SIZE	TYPE	DOOR	FRAME	BUTTS				LOCKS						CLOSERS			KICKPLATE			THRESHOLD				DOOR STOP			PUSH	PULL	MISCELLANEOUS						DETAIL LOCATIONS			DOOR NOTES
		SEE DOOR TYPE ELEVATIONS			ONE PAIR OFFSET PIVOTS PER DOOR MANUFACTURER, TOP & BOTTOM	1 1/2 PR McKINNEY #1A2731, 4-1/2" x 4-1/2"	CONT. HINGE INCLUDED IN PACKAGE	H.D. TYPE 304 S.S. BOBRICK SPRING LOADED	YALE B-PB5405LN	YALE B-PB5407LNIC	FULL LENGTH-LATCH PROTECTOR INCL. IN PKG	PANIC HARDWARE INCLUDED IN PACKAGE	FALCON C9G3-7 OR C987-7 AS REQUIRED	FALCON "I" SERIES PRIVACY SET	FALCON 1690 CONCEALED VERT. PANIC HDWR	DORMA 8616 x 689	CLOSER INCLUDED IN PACKAGE	DORMA 7414 ARP SNB 689	STAINLESS STEEL 10" x .050 X 2" L.T.D.W.*	KICKPLATE INCLUDED IN PACKAGE		ACCESSIBLE ALUM. THRESHOLD BY DOOR MFR	THRESHOLD INCLUDED IN PACKAGE			FLOOR STOP - ROCKWOOD 441 CU	HINGE STOP - ROCKWOOD 532 NP	WALL STOP - ASA 0714 COAT HOOK W/ BUMPER	PUSH PLATE ROCKWOOD 70F - 8" x 16"	PULL PLATE TRIMCO 1017-3B - 4" x 16"	STD. ADJUSTABLE DOOR SWEEP PER DR. MFR.	SWEEP (VISTA 231 STD) NGP 101VA	UNDERCUT 3/4"	PROVIDE A SIGN STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS"	COAT HOOK - BOBRICK	DOOR SIGN	HEAD	JAMB	SILL	* LESS THAN DOOR WIDTH
1	3'-0" x 7'-0" x 1-3/4"	A	AL	AL	X								X		X	X					X									X		X					12/A6.1	8, 10, 11, 16
2	(2) 3'-0" x 7'-0" x 1-3/4"	B	AL	AL	X								X		X	X					X									X		X					12/A6.1	8, 10, 11, 13, 16
3	3'-6" x 7'-0" x 1-3/4"	C	HM	HM			X				X	X					X			X			X			X									9/A6.1	6/A6.1	10/A6.2	6, 7, 10
4	3'-0" x 6'-8" x 1-3/4"	D	WD	HM		X								X				X	X							X		X	X			X		X	X	10/A6.4	10/A6.4		6, 9, 10, 11, 12, 14
5	3'-0" x 6'-8" x 1-3/4"	D	WD	HM		X								X				X	X							X		X	X			X		X	X	10/A6.4	10/A6.4		6, 9, 10, 11, 12, 14
6	3'-0" x 6'-8" x 1-3/4"	E	WD	HM		X				X								X				X				X						X				10/A6.4	10/A6.4		9, 17
7	2'-0" x 6'-8" x 1-3/4"	F	WD	HM		X			X																	X						X				10/A6.4	10/A6.4		

DOOR SCHEDULE 2



NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING OR OUTSIDE ROOM.

DOOR TYPES 1/4" = 1'-0" 3

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

△

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

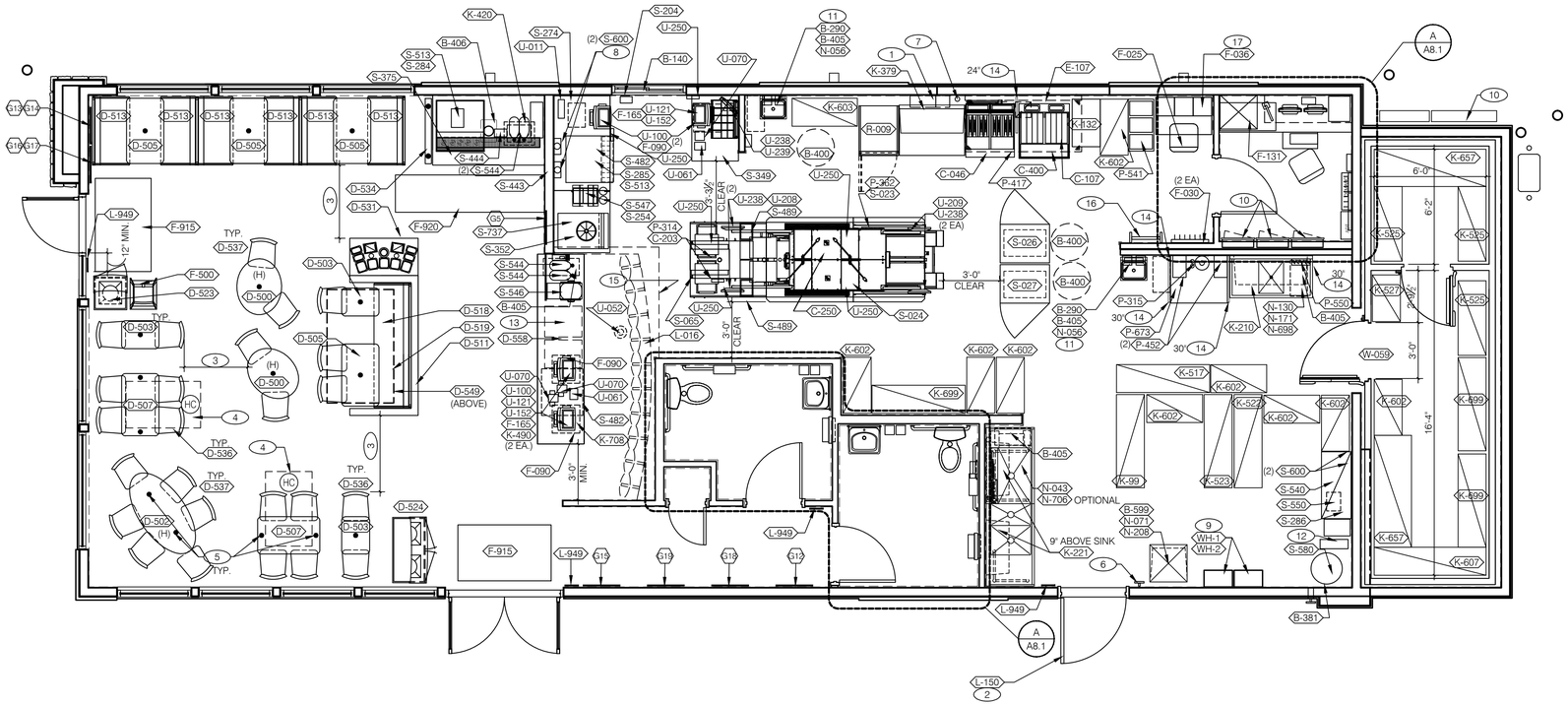
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

DOOR & WINDOW ELEVATIONS AND SCHEDULES

A1.1

PERMIT PLOT DATE:



EQUIPMENT/SEATING PLAN 1/4"=1'-0" A

SYM.	QTY.	ITEM
D-500	2	TABLE - OVAL - BAR HEIGHT - 24" X 30" - CORE DRILL BASE
D-502	1	TABLE - OVAL - BAR HEIGHT - 30" X 60" - CORE DRILL BASE
D-503	3	TABLE - RECTANGLE - STD HEIGHT - 18" X 24" - CORE DRILL BASE
D-505	4	TABLE - RECTANGLE - STD HEIGHT - 24" X 40" - CORE DRILL BASE
D-507	2	TABLE - RECTANGLE - STD HEIGHT - 24" X 40" - CORE DRILL BASE (ADA)
D-511	1	DIVIDER WALL - 90° LONG
D-513	6	OPEN BACK BENCH SETTEE - 42"
D-518	1	BACKLESS BENCH SETTEE - 38"
D-519	1	BACKLESS BENCH SETTEE - 42"
D-523	1	SINGLE TRASH RECEPTACLE
D-524	1	DOUBLE TRASH RECEPTACLE
D-558	1	SERVICE COUNTER - 127"
D-531	1	CONDIMENT COUNTER - SQAURE CORNERS

SYM.	QTY.	
D-534	1	SCREEN WALL
D-536	15	FORMED WOOD SHELL DINING CHAIR
D-537	10	FORMED WOOD SHELL DINING CHAIR - BAR HEIGHT
D-549	1	SOFFIT BY DISTRIBUTOR.

SEATING PACKAGE - BY SEATING VENDOR U.O.N. (TOTAL SEATS = 40) E

X	QTY.	ITEM	REMARKS
G12	1	TASTE EXPLOSION 1 OF 4	SEE A8.0 FOR LOCATION
G15	1	TASTE EXPLOSION 2 OF 4	SEE A8.0 FOR LOCATION
G18	1	TASTE EXPLOSION 3 OF 4	SEE A8.0 FOR LOCATION
G13	1	TASTE EXPLOSION 4 OF 4	SEE A8.0 FOR LOCATION
G14	1	VOLCANO TARGET	SEE A8.0 FOR LOCATION
G16	1	NYC TACO TAXI	SEE A8.0 FOR LOCATION
G17	1	TACO NIGHT TIME	SEE A8.0 FOR LOCATION
		TACO BEACH BELL	SEE A8.0 FOR LOCATION
G5	1	NUTRITION BOARD	SEE A8.0 FOR LOCATION

ARTWORK SCHEDULE D

DECOR
1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITIES.
2. (H) - SYMBOL DENOTES A HIGH TABLE OR DINING COUNTER WITH STOOLS.
3. (HC) - SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

GENERAL NOTES C1

STORAGE TYPE	LINEAR FT.
DRY STORAGE	53
COLD STORAGE	25
FROZEN STORAGE	10

SHELVING QUANTITIES REQUIRED C2

1. HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
2. SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
3. MAINTAIN 42" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
4. 30" x 48" CLEAR FLOOR SPACE FOR HANDICAP ACCESS.
5. DOT INDICATES CORE DRILL LOCATION. CORE DRILL LAYOUT TO BE PROVIDED BY THE SEATING VENDOR. SEE DETAIL 7/A6.3 AND SCOPE OF WORK. CHANGE CORE DRILL BITS TO MATCH DECOR BASE SIZE TO MAINTAIN 3 /8" MAX GROUT LINE AROUND BASE
6. PULL STATION @ 3'-8" A.F.F.
7. GAS LINE DOWN TO EQUIPMENT.
8. COORDINATE LOCATION OF HORIZ PVC SYRUP CHASE THRU WALL TO COUNTER.
9. 6" HIGH WATER HEATER PLATFORM.
10. SWITCHGEAR / ELECTRIC PANELS.
11. SOAP / HAND SANITIZER DISPENSORS - BY ECOLAB.
12. 8' LADDER.
13. SAFE.
14. SPLASH GUARD. SEE DETAIL 9/A6.3.
15. ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
16. ROOF LADDER.
17. EMPLOYEE WORK STATION. SEE DETAIL B/A8.3

KEYNOTES B

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

EQUIPMENT AND SEATING PLAN

A2.0

PERMIT PLOT DATE:

EQUIPMENT SCHEDULE

NO.	QTY	G.C. INST.	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMB	ELECT	GAS	REMARKS	NO.
			B CONTRACTOR BUILDING ELEMENTS						
B-049	1	X	ROOF LADDER	PRECISION #FL184				15'-4" WITH 8" EXTENSION	B-049
B-050	1	X	ROOF HATCH	PRECISION #PH-G2-6'x3'-0"				2'-6" X 3'-0" CLEAR OPENING	B-050
B-140	1	X	DRIVE-THRU WINDOW	QUICKSERV #SC-4030BR				G.C. TO PROVIDE TRANSOM - DARK BRONZE ANODIZED	B-140
B-235	2	X	ELECTRIC HAND DRYER	WORLD DRYER L-971 SLIMdri		X		BRUSHED CHROME FINISH	B-235
B-265	2	X	MIRROR, 18" X 36"	BOBRICK #B-165-1836				SURFACE MTD	B-265
B-275	2	X	TOILET PAPER DISPENSER	BOBRICK #B-2890				SURFACE MTD	B-275
B-290	2	X	PAPER TOWEL DISPENSER	BOBRICK #B-262				SURFACE MTD.	B-290
B-300	2	X	GRAB BAR 1-1/2"DIA X 36" S.S. FIN.	BOBRICK #B6806X36				SURFACE MTD	B-300
B-305	2	X	GRAB BAR 1-1/2"DIA X 42" S.S. FIN.	BOBRICK #B6806X42				SURFACE MTD	B-305
B-310	2	X	GRAB BAR 1-1/2"DIA X 18" S.S. FIN.	BOBRICK #B6806X18				SURFACE MTD	B-310
B-381	1	X	CO2 CARBON DIOXIDE SENSOR/WARNING	AMPROBE C02-200		X			B-381
B-400	3	X	WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)					B-400
B-405	8	X	WASTE BASKET	RUBBERMAID SLIM JIM #3541 (GREY)					B-405
B-406	1	X	WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)					B-406
B-410	1	X	SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140				INCLUDES ACCESSORY KIT & MOUNTING HARDWARE	B-410
B-599	1	X	MOP SINK STATION	ISS #WST806Y	X				B-599
WH-1	2	X	NATURAL GAS FIRED TANKLESS APPLIANCES	RINNAI # C199i	X	X	X	OWNER TO PROVIDE	WH-1
			C COOKING EQUIPMENT						
C-046	1	X	DUAL OPEN FRYER W/ UNDER-FRYER FILTER SYSTEM	PITCO #TB-SSH55-2/FD		X	X	COMES WITH GAS HOSE KIT. OPTION: WITHOUT FILTER OPTION: C-046 - FRYMASTER #FPPH255SD	C-046
C-107	1	X	RETHERMALIZER	PITCO #TB-SRTG14-2	X	X	X	COMES WITH GAS HOSE KIT	C-107
C-203	2	X	SPLIT LID CLAM SHELL TOASTER	DOUGHPRO #SL1577STBA (STAR OPTIONAL)		X		POWERED BY PRODUCTION LINE	C-203
C-250	2	X	CHEESE MELTER (SINGLE)	A. J. ANTUNES # CM-100	X	X		POWERED BY PRODUCTION LINE	C-250
C-400	1	X	COOK TIMER	FAST #TBZAP12		X		FOR THE RETHERMALIZER	C-400
			E EXHAUST HOODS/FIRE SUPP.						
E-107	1	X	STRATOVENT 6'-3" EXHAUST HOOD	STRATOVENT MODEL # TBG3650SVBD6FT3IN		X		PRE-PIPED FOR ANSUL SUPPRESSION	E-107
E-108	1	X	STRATOVENT 106"H X 111" L BACK SPLASH	STRATOVENT MODEL # BACKSPLASH106X111FLA		X			E-108
E-272	1	X	TIMER OUTLET			X			E-272
			F OFFICE/EMPLOYEE/MUSIC/MISC.						
F-014	1	X	FILE CABINET (2 DRAWER HIGH) 18" x 36" x 27"H	HON #58266				IN OFFICE. SEE SHEET A8.1	F-014
F-021	1	X	CHAIR - OFFICE	HON #5831				IN OFFICE. SEE SHEET A8.1	F-021
F-022	1	X	LICENSE FRAME 8" X 10" (BLACK)	CREATIVE PALETTE TB30				IN OFFICE. SEE SHEET A8.1	F-022
F-026	1	X	DESK LAMP	EURI LIGHTING #EL-01E				IN OFFICE. SEE SHEET A8.1	F-026
F-030	2	X	COAT HOOKS	ISS #HOOK246R2Y					F-030
F-040	1		OFFICE COMPUTER	POS PROVIDED		X		IN OFFICE. SEE SHEET A8.1	F-040
F-050	1		CREDIT CARD SATELLITE ROUTER JUNCTION	YUM		X			F-050
F-060	1		MONITOR-OFFICE	YUM				IN OFFICE. SEE SHEET A8.1	F-060
F-080	1		OFFICE PRINTER/ COPIER/ FAX/ SCANNER	POS PROVIDED		X		IN OFFICE. SEE SHEET A8.1	F-080
F-090	4		UPS (UN-INTERUPTABLE POWER SUPPLY)	POS PROVIDED		X			F-090
F-102	1		MONEY COUNTER	TELLERMATE #TIX3000		X			F-102
F-131	1		MUSIC SYSTEM	MUZAK #6848. LOCAL LEASE		X		MUZAK (LOCAL LEASE)	F-131
F-165	3	X	DROP SAFE	PERMA VAULT #PRO-10				TOP MOUNT	F-165
F-174	1	X	SAFE WITH TOUCH SCREEN CONTROLS	BRINKS SAFE A-GALILEO 111-01		X		3-DOOR	F-174
F-211	1	X	CLOCK	B&B SYSTEMS #03060425				IN OFFICE. SEE SHEET A8.1	F-211
F-270	1	X	FIRST AID KIT	PROSTAT FIRST AID LLC #2617				IN OFFICE. SEE SHEET A8.1	F-270
F-500	2	X	STACKABLE HIGH CHAIR	KOALA KOA-KB103-01					F-500
F-915	2	X	FLOOR MAT 3' X 5'	ENTRANCE, INC. #41150012				RUBBERIZED	F-915
F-920	1	X	FLOOR MAT 2' X 8'	ENTRANCE #4-4450				RUBBERIZED @ DRINK STATION	F-920
			K WORKSTATIONS/SHELVING/CARTS						
K-132	1	X	CLOSING CART	ISS #WST1434Y					K-132
K-210	1	X	PREP SINK WORKSTATION 50" TRACK	ISS #WST255E				WALL TRACK SHELVING	K-210
K-221	1	X	3 COMP. SINK WORKSTATION 96" TRACK	ISS #DS-1F				WALL TRACK SHELVING MOUNT 9" ABOVE SINK	K-221
K-379	1	X	FREESTYLE CRISPY TABLE 30"W x 42"D x 74"H	SPG #WST1710E					K-379
K-420	1	X	CARBONATOR PLATFORM SHELF 18" X 24"	ISS #WST34Y					K-420
K-490	2	X	FRONT COUNTER SHELVING 18" x 24" x 24" (2 TIER)	ISS #WST440Y				UNDER SERVING COUNTER	K-490
K-517	1	X	PREP RACK 18" X 60" X 76" (6 TIER)	ISS #WST1469Y					K-517
K-522	1	X	SMALL PKG. RACK 18" X 60" 76" (5 TIER)	ISS #WST1548Y					K-522
K-523	1	X	CUP & LID RACK 18" X 60" X 76" (3 TIER)	ISS #WST1580Y					K-523
K-525	3	X	FUTURE RACK 18" X 48" X 76" (5 TIER)	ISS #WST1613Y					K-525
K-527	1	X	FUTURE SHELVING 18" x 30" x 76"" (5 TIER)	ISS #WST1611Y					K-527
K-602	9	X	SHELVING UNIT 18" X 36" X 86"H (5 TIER)	ISS #WST238Y					K-602
K-603	1	X	SHELVING UNIT 18" X 42" X 86"H (5 TIER)	ISS #SU184285Y					K-603
K-607	1	X	SHELVING UNIT 18" X 72" X 86"H (4 TIER)	ISS #SU187285Y				WALK IN COOLER	K-607
K-657	2	X	SHELVING UNIT 24" X 72" X 86"H (5 TIER)	ISS #SU247285Y				WALK-IN COOLER	K-657
K-698	1	X	SHELVING UNIT 18" X 24" X 74" (5 TIER)	ISS #SU182475Y				GOLD BOND	K-698
K-699	3	X	SHELVING UNIT 18" X 60" X 74"H (5 TIER)	ISS #SU186075Y				WALK IN COOLER	K-699
K-708	1	X	DUNNAGE RACK	ISS#WST1702Y				UNDER FRONT COUNTER	K-708

EQUIPMENT SCHEDULE

NO.	QTY	G.C. INST.	ITEM DESCRIPTION	MFR & MODEL NUMBER	PLUMB	ELECT	GAS	REMARKS	NO.
			L LIGHTING/SIGNAGE/MENUBOARDS						
L-016	1	X	INTERIOR MENU BOARD PACKAGE - ROTATING, 10-PANEL	VGS #MB-MBD-I-10P		X		LED INTERNALLY ILLUMINATED	L-016
L-090	1	X	OCB	HYPERACTIVE #TDM-HX1-H05-TCB REQUIRES THE USE OF XPIENT POS SYSTEM				FRANCHISE OPTION L-095 TEXAS DIGITAL # AV150IECEAVNG60	L-090
L-150	1	X	SECURITY DOOR DANGER SIGN	ADVERCO#ADVCUSTOM				ORDERED DIRECT FROM YRFS	L-150
L-949	4	X	NO SMOKING SIGN	VOLLRATH #4513				PROVIDE PER JURISDICTIONAL REQUIREMENTS	L-949
			N SINKS/DISHWASHERS						
N-043	1	X	3-COMP POWER SOAK 102"L x 31"D (R TO L)	METCRAFT #PS6750	X	X		W/ PRE-RINSE,CLICK&CLEAN SYSTEM & (2) T & SB-2466 FAUCETS OPTIONAL - N-706, N-075, N-076, N-077, N-078	N-043
N-056	2	X	HAND SINK (KITCHEN)	AERO #HSK	X				N-056
N-071	1	X	MOP SINK FAUCET	T&S #B-2465	X			REFER TO C/A8.3	N-071
N-130	1	X	1 COMP. SINK FAUCET	T&S FAUCET B-2463	X			FOR N-698	N-130
N-134	2	X	FAUCET	T&S FAUCET B-2460	X				N-134
N-141	2	X	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X			FRANCHISE OPTION N-134: T&S B-2465	N-141
N-171	1	X	1 COMP. SINK WASTE DRAIN LEVER	T&S FAUCET S-20	X			2" TWIST TYPE, FOR N-698	N-171
N-208	1	X	MOP SINK 24"X24" FLOOR MOUNT SINK	AERO MANUF. CO., INC. #3MP-2121-6/1P	X			INCLUDES (2) 24'X36" WALL PANELS	N-208
N-698	1	X	1 COMP PREP SINK 53"W X 27"D X 35 1/2"H	AERO #2F1211617LR	X				N-698
			P FOOD PREPARATION						
P-314	1	X	WATER PRESSURE REGULATOR KIT	A.J. AUTUNES & CO. #7000314	X				P-314
P-315	1	X	REVERSE OSMOSIS SYSTEM	CUNO #FSTM-HP	X			REQUIRES FLOOR SINK	P-315
P-362	1	X	DUAL LINE, 157" READY TO ACCEPT EVO CABINETS	DELFIELD #TB000P92 (DUKE OPTIONAL)	X	X			P-362
P-417	1	X	8-CHANNEL TIMER	FAST #TRACK2X4TB		X		ALTERNATE: PRINCE CASTLE #755HM8TB	P-417
P-452	2	X	HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X		W/ BRACKET, FRONT MOUNT:	P-452
P-541	1	X	STORAGE BINS	B4B SYSTEMS #0307010					P-541
P-550	1	X	KNIFE RACK	EDLUND #KR-99					P-550
P-673	1	X	WORK TABLE, 36" X 30"	ISS #WST908A				FOR RETHERMALIZER AND HOT WATER	P-673
			R REFRIGERATION						
R-009	1	X	FULL HT FREEZER (LH HINGED)	DELFIELD #6125XL-SH1		X		OPTIONAL: R-038 U/C FREEZER - DELFIELD #407CA-DHL-TB3	R-009
			S SERVING/DRIVE-THRU						
S-004	1	X	HEAT CABINET - FULL HEIGHT - (1) LH	BEVLES #CS82-CH8 120LH		X		W/ 8 SHELVES EACH	S-004
S-005	1	X	HEAT CABINET - FULL HEIGHT - (1) RH	BEVLES #CS82-CH8 120RH		X		W/ 8 SHELVES EACH	S-005
S-026	1	X	HEAT CABINET - FULL HEIGHT - (1) LH	CRES COR #H-137-S-27D1L-TB		X		W/ 8 WIRE RACKS	S-026
S-027	1	X	HEAT CABINET - FULL HEIGHT - (1) RH	CRES COR #H-137-S-27D1-TB		X		W/ 8 WIRE RACKS	S-027
S-065	1	X	DESSERT TOWER	HATCO #GRBW-24D		X		MOUNT ON PRODUCTION LINE OVER SHELF	S-065
S-204	1	X	DRIVE-THRU TIMER SYSTEM	HME #C11422TB		X		MOUNT ON DT WINDOW HEADER	S-204
S-254	1		CONDIMENT RACK	PRONTO PRODUCTS #CHPW0446					S-254
S-274	1	X	BEVERAGE COUNTER DRIVE THRU (36" x 61")	ISS #WST1242YA				W/ ISS #CONDTOW24L	S-274
S-284	1	X	BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X		BY PEPSI	S-284
S-285	1	X	BEVERAGE DISPENSER - DRIVE THRU	SERVEND NGF-250QD	X	X		OR CORNELIUS IDC255 PROGATE 5 (BY PEPSI)	S-285
S-286	1	X	WATER FILTER SYSTEM	SHURFLO # WB6-M3-22-003	X	X		FRACHISEES CAN USE SELECTO #TB5/620-5	S-286
S-349	1	X	PICK-UP DRIVE-THRU COUNTER (30" x 42")	ISS #WST 1344Y					S-349
S-352	1	X	40"(W) X 36"(D) DRIVE-THRU DRINK TABLE	# TBD					S-352
S-375	1	X	SELF SERVE DRINK COUNTER	CARTER HOFFMAN #CH3TDS72N55					S-375
S-443	1		18"Hx23"Dx10"W STRAW - LID DISPENSER	CAL-MIL ADA TB103					S-456
S-444	1	X	NAPKIN DISPENSOR	#5555100					S-444
S-482	2	X	CUP DISPENSER	A.J. ANTUNES #DACS60				W/ ANGLED MOUNTING BRACKET OMNITEAM CDB-DTA	S-482
S-489	2	X	DIGITAL SCALE	EDLUND DS-10		X		FRANCHISEES CA USE HOSHISAKI KMS-1230	S-489
S-513	2	X	ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC #SY-1474C	X	X		W/ ROOF MOUNTED CONDENSERS FRANCHISEES CAN USE HOSHISAKI KMS-1230	S-513
S-540	1		PEPSI BOOSTER TANK		X	X		SEE SCOPE OF WORK (PEPSI)	S-540
S-544	4	X	ICED TEA DISPENSER	BUNN TDO-N-3.5				3.5 GALLON NARROW ICED BEVERAGE DISPENSER	S-544
S-546	1	X	ICED TEA BREWER	TETLEY E56150000	X	X			S-546
S-547	1		BUNN POD BREWER	MY CAFE AP AUTOPOD #42300.0001		X			S-547
S-550	1		BAG-N-BOX SYRUP RACK	CORNELIUS/REMCOR BNB12B8P	X			FLO-3REG-2CRB (BY PEPSI)	S-550
S-580	1		CO2 (BULK) TANK	MVE #11805373				WITHOUT IMPURITY RING	S-580
S-600	-	X	BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X			SEE SCOPE OF WORK (PEPSI)	S-600
S-737	1	X	FROZEN BEVERAGE DISPENSER	FBD #737	X	X		W/ BOOSTER AND INSTALLATION KIT	S-737
			U SECURITY/COMM./FIRE PROT./POS						
U-011	1	X	BASE STATION - D/T COMM. SYSTEM	HME EOS-HD HEADSET SYSTEM, #C11393-B		X		6 COMMUNICATORS, +7'-0" A.F.F.	U-011
U-052	1	X	SECURITY SYSTEM	ADT #3BCZTB		X		CROSS ZONE SECURITY SYSTEM	U-052
U-035	1	X	CCTV DVR & MONITOR	MARTCO #YUMENV8DIGCAM		X		WITH 8 CAMERA. SEE DETAIL 12/E7.0 FOR MNTG. MONITOR	U-035
U-061	2		CREDIT CARD READER (VSAT)			X			U-061
U-070	3		RECEIPT PRINTER	IBM, NCR & PAR		X		2 FOR F/C AND 1 D/T	U-070
U-100	4		POS/ORDER ENTRY TERMINAL	IBM, NCR & PAR		X		2 FOR F/C AND 2 D/T	U-100
U-121	3		CASH DRAWER BRACKETS	IBM, NCR & PAR				SEE SCOPE OF WORK	U-121
U-152	3		CASH DRAWER	IBM, NCR & PAR				SEE SCOPE OF WORK	U-152
U-208	2	X	KIT,TB,39'L,MONITOR SUPPORT ARM, CRADLE NOT INCLUDED	FACILITY SOLUTIONS #SW550340-39					U-208
U-209	2	X	KIT,TB,24.25'L,MONITOR SUPPORT ARM, CRADLE NOT INCLUDED	FACILITY SOLUTIONS #SW550340-24					U-209
U-238	5		KITCHEN MONITOR	IBM, NCR & PAR		X			U-238
U-239	1	X	MONITOR CEILING MOUNTED BRACKET	IBM, NCR & PAR				FOR ONE MONITOR EACH. SEE DETAIL 2/A6.3	U-239
U-250	6		BUMP BAR	IBM, NCR & PAR				WITH MOUNTING PLATE	U-250
			W WALK-IN COOLERS/FREEZERS						
W-059	1	X	WALK-IN COOLER/FREEZER	ICS/NORLAKE/KOLPAK	X	X		1 COOLER, 1 FREEZER. XDX & EPACT (CORPORATE STORES)	W-059

B D/T CLEARANCE BAR, SECURITY DOOR, WATER HEATER, D/T WINDOW, RESTROOM ACCESSORIES, AIR DOOR/CURTAIN, MOP SINK, HAND SINK ACC., CORNER GUARDS, MATS
C FRYERS, OVENS, GRILLS, RETHERMALIZERS, TOASTERS, MICROWAVES
E KITCHEN EXHAUST HOODS, FIRE SUPPRESSION EQUIPMENT
F SAFE, OFFICE EQUIPMENT, EMPLOYEE STORAGE/BREAK
K SHELVING, WORKSTATIONS, CARTS, RACKS, DOLLIES
L SITE LIGHTING, SIGNAGE, MENUBOARDS

N POWERSOAK, KITCHEN HAND SINKS, PREP. SINKS, DISHWASHERS
P M.A.P.S. LINES, I-LINES, PACK LINES, BREADERS, MARINATORS, HOT WATER, WORK TABLES, CHEESE MELTERS
R REFRIGERATORS AND FREEZERS (NOT WALK-IN)
S DRINK SYSTEMS & EQUIP., HEAT CABINETS, STAGERS, WARMERS, SERVING EQUIP., D/T EQUIP.
U SECURITY SYSTEM, LOCKS, CCTV, D/T COMMUNICATIONS/POS SYSTEM, POS EQUIP.
W WALK-IN COOLERS/FREEZERS

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

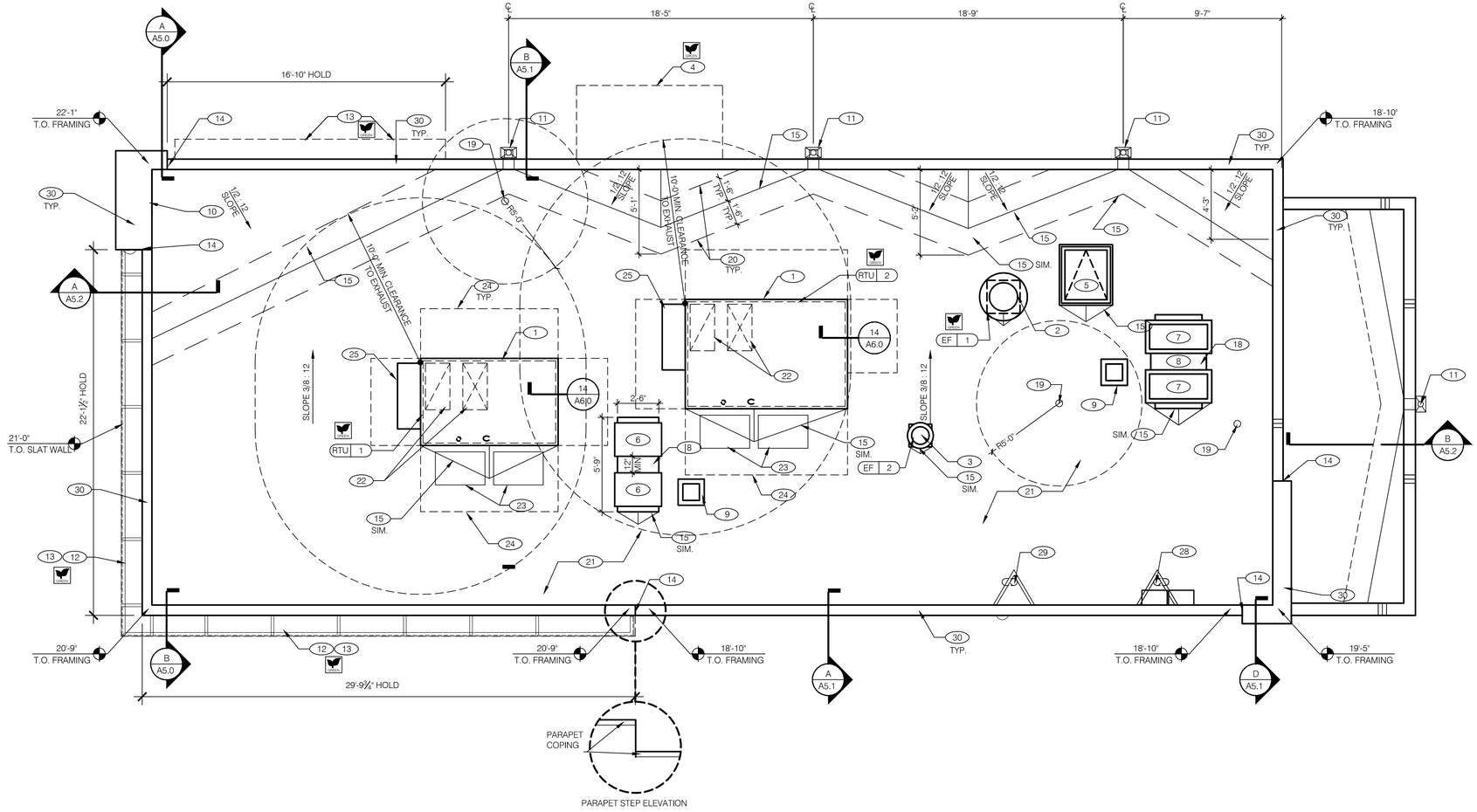
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

EQUIPMENT SCHEDULE

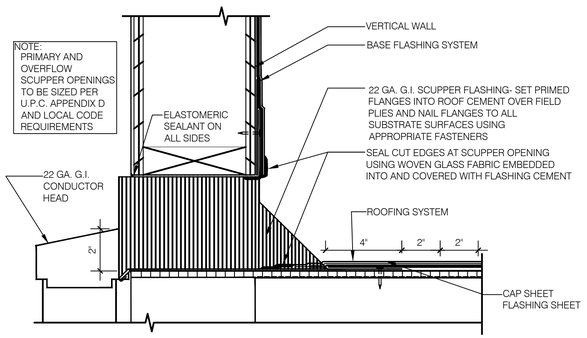
A2.1

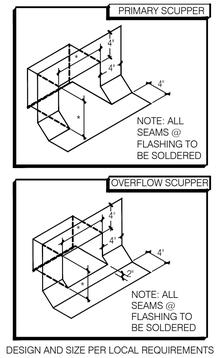
PERMIT PLOT DATE:



12 11 10 9 8 7 6 5 4 3 2 1

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





* DESIGN AND SIZE PER LOCAL REQUIREMENTS

TAR103

SCUPPER FLASHING F

WATERPROOFING:
A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
D. SEE SPECIFICATIONS FOR SEALANT SPECS.
E. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:
A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.
C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF PLAN NOTES E

1. ROOFTOP UNIT. INSTALL PLUMB AND LEVEL.
2. KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 19/A6.0.
3. RESTROOM EXHAUST FAN. SEE 18/A6.0.
4. CANOPY. SEE SCOPE OF WORK.
5. ROOF HATCH: SEE 7/A6.0.
6. ICE MACHINE CONDENSERS.
7. WALK-IN COOLER / FREEZER CONDENSERS. SEE SCOPE OF WORK SHEET.
8. EQUIPMENT PLATFORM. SEE DETAIL 15/A6.0.
9. PIPE HOOD FOR UTILITIES. SEE DETAIL 9/A6.0.
10. 24" x 24" HINGED LOUVER. SEE DETAIL 8/A6.0.
11. SCUPPER AND DOWNSPOUT. SEE DETAIL F.
12. ALUMINUM SLAT WALL BY VENDOR. SEE SCOPE OF WORK. (GREEN)
13. ALUMINUM VALANCE. SEE SCOPE OF WORK.,
14. CHANGE IN PARAPET ELEVATION SEE DETAIL 14/A6.4.
15. ROOF CRICKET. SEE DETAIL 16/A6.0.
16. NOT USED.
17. NOT USED.
18. COORDINATE SIZE OF ROOF CURB AND NUMBER OF CONDENSING UNITS WITH WALK-IN COOLER/FREEZER MANUFACTURER.
19. WASTE VENT THROUGH ROOF. THE TOP OF WASTE VENTS SHALL BE 12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT ALLOWED BY LOCAL JURISDICTION. SEE 12/A6.0 FOR FLASHING ASSEMBLY.
20. NOT USED.
21. "DURO-LAST" SINGLE PLY ROOF MEMBRANE OVER 1/2" EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURERS SPECIFICATIONS. (GREEN)
22. POWER / GAS / CONDENSATE ENTRY UNDER HVAC UNIT (PER HVAC MFR. SPECS.) REFER TO MECH. AND PLUMB DWGS. UTILITY ACCESS FROM WITHIN CURB - NO ROOF PENETRATIONS. DO NOT RUN ON ROOF SURFACE. SEE 13/P6.0.
23. 24x36 WALK MATS. SEE ROOF SPECS.
24. MAINTAIN MFR'S ROOFTOP UNIT MAINTAINANCE CLEARANCE.
25. OUTSIDE AIR INTAKE FOR ROOFTOP UNIT. MAINTAIN MIN 10'-0" SEPARATION FROM PLUMBING VENTS, FLUES AND BUILDING EXHAUST.
26. NOT USED.
27. NOT USED.
28. WATER HEATER INTAKE. SEE DETAIL 13/A6.0 FOR BRACING.
29. WATER HEATER EXHAUST FLUE SHALL BE MIN. 6" HIGHER THAN INTAKE-MAINTAIN MIN. 10'-0" FROM NEAREST POINT OF RTU INTAKE. SEE DETAIL 13/A6.0 FOR BRACING.
30. PAINTED METAL PARAPET CAP. SEE DETAIL 2 & 5/A6.0

KEY NOTES B

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE:	11.05.15
BUILDING TYPE:	LIVE MAS-Medium 40
PLAN VERSION:	REV P ~ NOV '15
SITE NUMBER:	
STORE NUMBER:	

TACO BELL
770 National Road
Wheeling, WV 26003

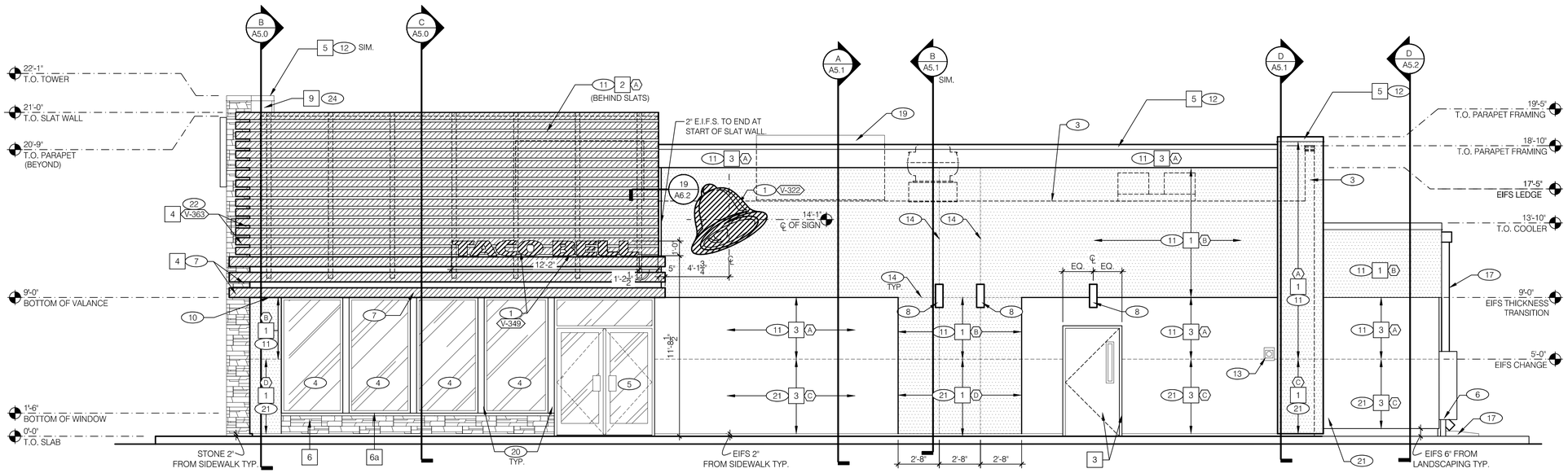
TACO BELL
LIVE MAS
MEDIUM 40

ROOF PLAN

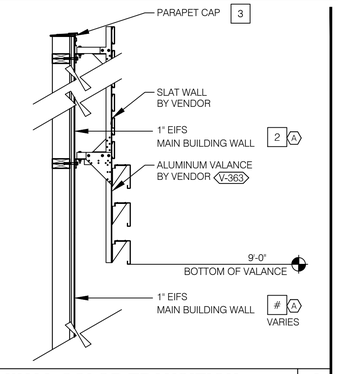
A3.0

PERMIT PLOT DATE:

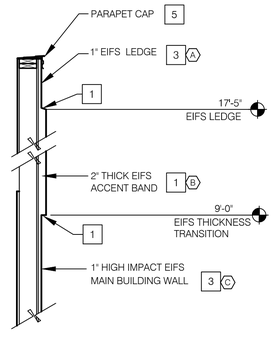
kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com



RIGHT SIDE ELEVATION 1/4"=1'-0" A



SLAT WALL COLOR TRANSITION N.T.S. I



EIFS THICKNESS COLOR TRANSITION N.T.S. G

MISCELLANEOUS
A. SEE SHT A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.
B. SEE SCOPE OF WORK FOR RESPONSIBILITIES.
C. "HIGH IMPACT" MESH SHALL BE USED WHERE NOTED ⟨C⟩⟨D⟩
D. THE PAINT COLORS SHOWN ARE COLOR REFERENCES FOR THE E.I.F.S. SUPPLIER
E. E.I.F.S. TEXTURE SHALL BE 'FINE'.

SEALERS (REFER TO SPECS):
A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL @ WINDOWS.
C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING & CANOPY/TRELLIS.

LEGEND:
A. VENDOR SCOPE INCLUDES SUPPLY AND INSTALLATION OF AWNINGS, CANOPIES, AND SIGNAGE. SWINGING BELL & LETTERS NOT HATCHED BUT INCLUDED.
B. DENOTES 2" THICK EIFS

"CRITICAL" DIMENSIONS:
A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/ BUILDING ELEMENTS DIMENSIONS.

GENERAL NOTES F

⟨V-XXX⟩	QTY	ITEM DESCRIPTION	ELEC
V-350	1	TACO BELL DRIVE THRU CANOPY	X
V-348	1	TACO BELL "BUILDING ACCENT" - OPTIONAL SHADING & LED LAMPING.	X
V-363	1	SLAT WALL SYSTEM	
		* REQUIRES ELECTRICAL CONNECTION. SEE ELECTRICAL PLANS.	

CANOPY AND BLDG. ACCENT SCHED. N.T.S. E

⟨A⟩ BASE THICKNESS - 1" THICK E.I.F.S.
⟨B⟩ BASE THICKNESS - 2" THICK E.I.F.S. LED LAMPING
⟨C⟩ BASE THICKNESS -1" THICK E.I.F.S. WITH HIGH IMPACT MESH (ONLY WHERE NOTED). SEE DETAIL 2/A6.2.
⟨D⟩ BASE THICKNESS -2" THICK E.I.F.S. WITH HIGH IMPACT MESH (ONLY WHERE NOTED). SEE DETAIL 2/A6.2. LED LAMPING

**NOTE: EIFS TO BE INSTALLED 2" ABOVE SIDEWALK AND 6" ABOVE LANDSCAPING

E.I.F.S. THICKNESS N.T.S. B

⟨V-XXX⟩	QTY	ITEM DESCRIPTION	AREA	ELEC
V-349	3	TACO BELL LETTERS 12" HIGH, WHITE, FLAT FACED	12.17	X
V-322	3	TACO BELL 'BELL' SIGN 4'-10 1/2"W x 4'-6 1/4"H	22.24	X
		LED LAMPING		

**NOTE: SIGNAGE S.F. IS FOR SQUARED AREA

SIGN SCHEDULE N.T.S. C

		MANUFACTURER	COLOR	ALTERNATE MFR.	ALTERNATE COLOR	ALTERNATE MFR.	ALTERNATE COLOR
1	MAIN BUILDING COLOR	LOTUSAN STO THERM CI ESSENSE, STOLIT LOTUSAN 1.0	NA08-0011 "CAMEL BACK"	DRYVIT - HDP	TABE0910205	SHERWIN WILLIAMS	SW 6122 "CAMEL BACK"
2	WALL COLOR BEHIND SCREEN WALL	LOTUSAN - STO THERM CI ESSENSE, STOLIT 130DARK	NA14-0004 "CLEMATIS"	DRYVIT - HDP	#TABE031021	SHERWIN WILLIAMS	SW 6831 "CLEMATIS"
3	ACCENT COLOR	LOTUSAN STO THERM CI ESSENSE, STOLIT LOTUSAN 1.0	NA08-0010 "ROOKWOOD CLAY"	DRYVIT - HDP	TABE031021	SHERWIN WILLIAMS	SW 2823 "ROOKWOOD CLAY"
4	SLAT WALL AND VALANCE COLOR	VENDOR	SW 7034 "STATUS BRONZE" (EQUAL)				
5	PARAPET CAP COLOR	(25) DUROLAST	MEDIUM BRONZE (FACTORY FINISH)	SHERWIN WILLIAMS	SW 7069 "IRON ORE"		
6	STONE WALL	BORAL - VERSETTA STONE	TIGHT CUT - " PLUM CREEK"	CORONADO:	IDAHO DRY STACK, CARMEL MOUNTAIN CULTURED STONE VENEER - FULLY GROUTED.		
6a	STONE SILL	BORAL - CAST-FIT SILL	"TAUPE"				
7	STOREFRONT WINDOWS	TBD	" DARK BRONZE"				
8	PIPE BOLLARDS	STREET SMART	YELLOW - 1/4" THICK PLASTIC COVER (US.POSTMAN.COM) OR EQUAL				
9	PARAPET BACK ROOFING	DUROLAST	THE COLOR SHALL BE FACTORY COLORED "TAN." EQUAL ALTERNATE ALLOWED.				

EXTERIOR FINISH SCHEDULE H

CONTACT INFORMATION

SHERWIN WILLIAMS: BRAD HARRINGTON, 216-341-5558 X115 (PHONE), BRAD.E.HARRINGTON@SHERWIN.COM

EIFS CONTACT:
STO CORP.: CHUCK DUFFIN, 940-894-2092 (PHONE), 940-894-2095 (FAX), *CDUFFIN@STOCORP.COM*

OWNER REPRESENTATIVE WILL IDENTIFY IF LOTUSAN PAINT WILL BE USED.

DURO-LAST:CURT JAFFEE, 800-356-6646 (PHONE), CJAFFE@DURO-LAST.COM

VERSETTA STONE WALL: ASHLEY JOYCE, 770-645-4531 (PHONE))

STONE ALTERNATE:
CORONADO: 1-800-847-8663

1. BUILDING SIGN, SEE SCOPE OF WORK.
2. DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.
3. ROOF BEYOND.
4. STOREFRONT TYPICAL.
5. DOUBLE DOOR.
6. SWITCH GEAR. PAINT TO MATCH WALL.
7. ARCHITECTURAL ALUMINUM VALANCE BY VENDOR.
8. LIGHT SCONCE. ALIGN BOTTOM OF FIXTURE'S MOUNTING BRACKET WITH CHANGE IN EIFS THICKNESS (CENTER OF BRACKET AT 9'-2").
9. ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
10. 2" EIFS TO TERMINATE AT TOP OF WINDOW HEIGHT. PROVIDE 1" EIFS ABOVE THAT POINT. SLOPE TRANSITION AWAY FROM BUILDING 1:12.
11. EIFS (TYP). SEE 2 & 4/A6.2.
12. PARAPET COPING. IF DURO-LAST EDGE TRIM IS USED. USE THE DURO-LAST PRE-FINISHED EDGE TRIM. SEE DETAIL 2/A6.0.
13. CO2 FILLER VALVE & COVER. SEE DETAIL 5/A6.2 SIM.
14. EIFS REVEAL JOINT. SEE DETAIL 20/A6.2
15. GAS SERVICE PAINT TO MATCH WALL.
16. WALL SHALL BE FINISHED PRIOR TO INSTALLATION OF SWITCHGEAR.
17. SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT WALL.
18. OVERFLOW SCUPPER.
19. RTU BEYOND. PAINT TO MATCH MAIN BUILDING COLOR.
20. BREAK METAL COVER OVER WOOD STUDS TO MATCH STOREFRONT. SEE 3,4 & 7/A6.1
21. HIGH IMPACT E.I.F.S. WHERE SHOWN ON ELEVATIONS. TOP EXTENT AT 5'-0". SEE 2/A6.2.
22. ALUMINUM SLAT WALL BY VENDOR.
23. BOLLARD
24. DUROLAST SINGLE MEMBRANE ROOFING OR EQUAL.
25. IF THE DURO LAST PARAPET CAP TRIM IS USED IT SHALL NOT BE PAINTED.
26. RETURN ALUMINUM LOUVERS BACK TO FACE OF BUILDING.

KEY NOTES D

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P -- NOV '15
SITE NUMBER:
STORE NUMBER:

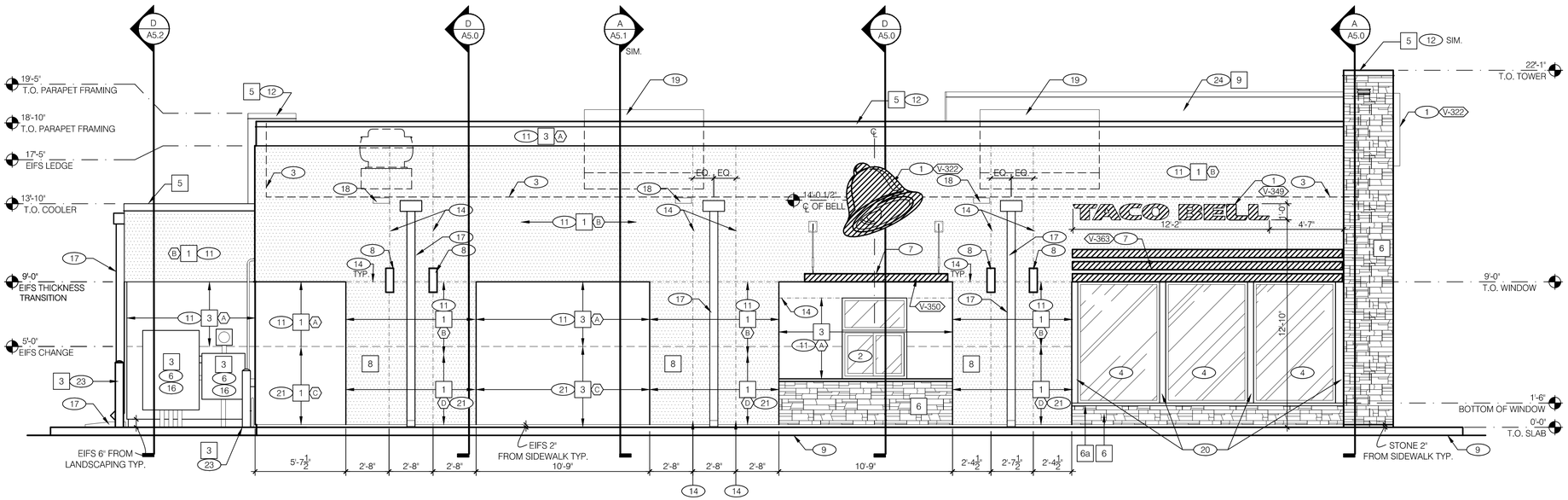
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40
EXTERIOR ELEVATIONS

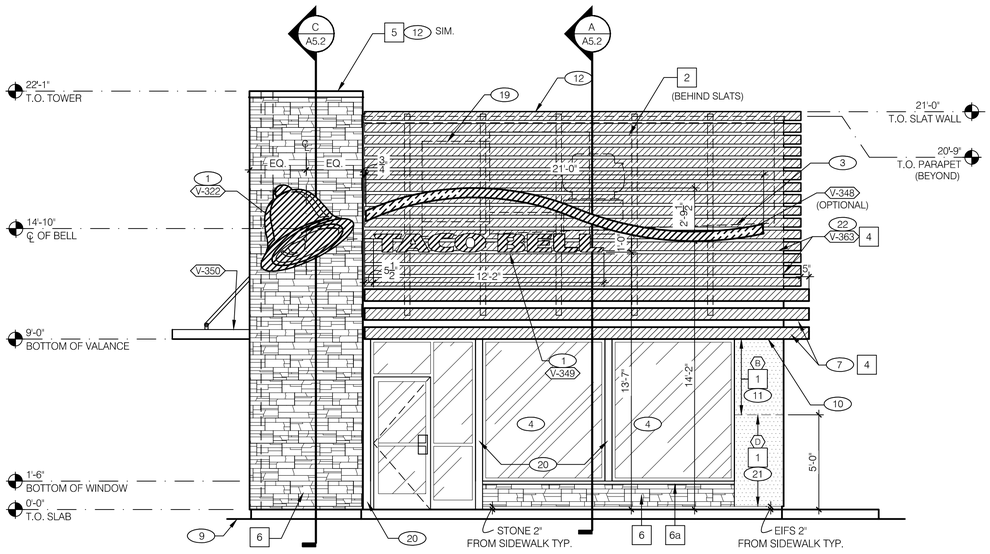
A4.0

PERMIT PLOT DATE:

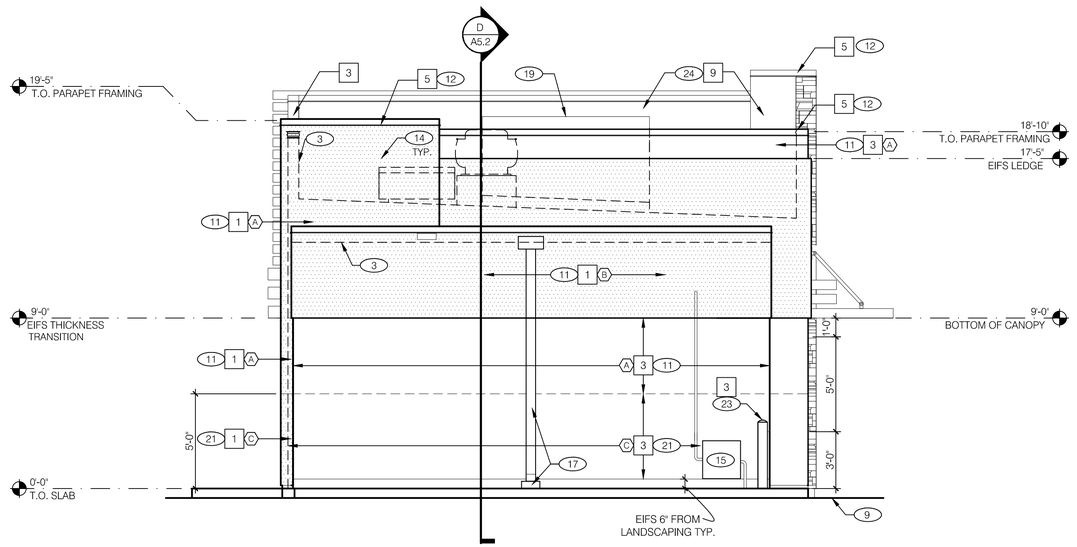
kathleen day, architect
6535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com



LEFT SIDE ELEVATION 1/4"=1'-0" | **A**



FRONT ELEVATION 1/4" = 1'-0" | **C**



REAR ELEVATION 1/4" = 1'-0" | **B**

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

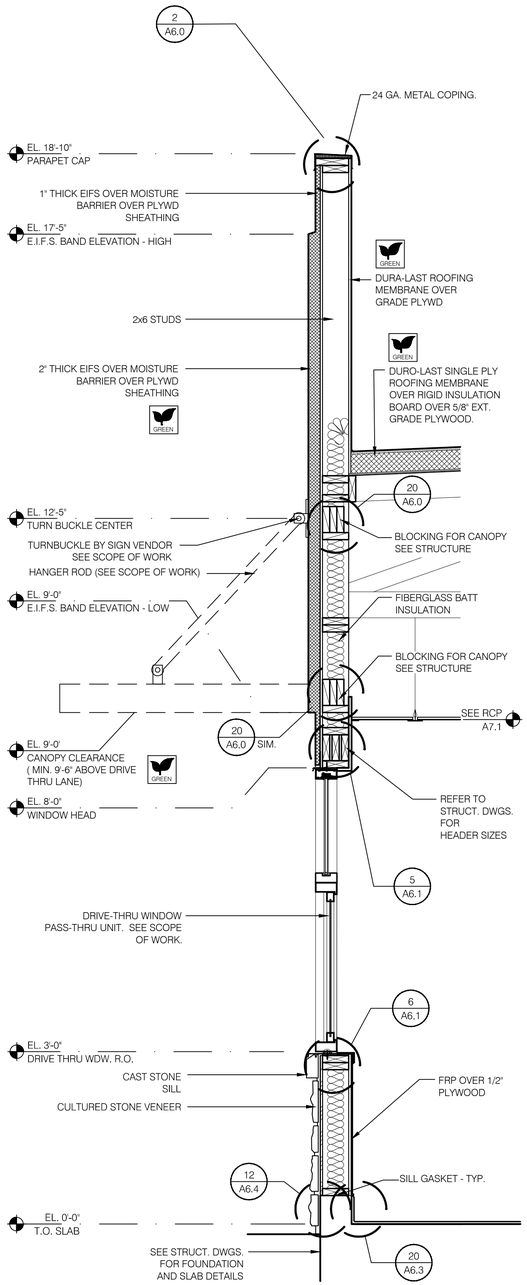
LIVE MAS

MEDIUM 40

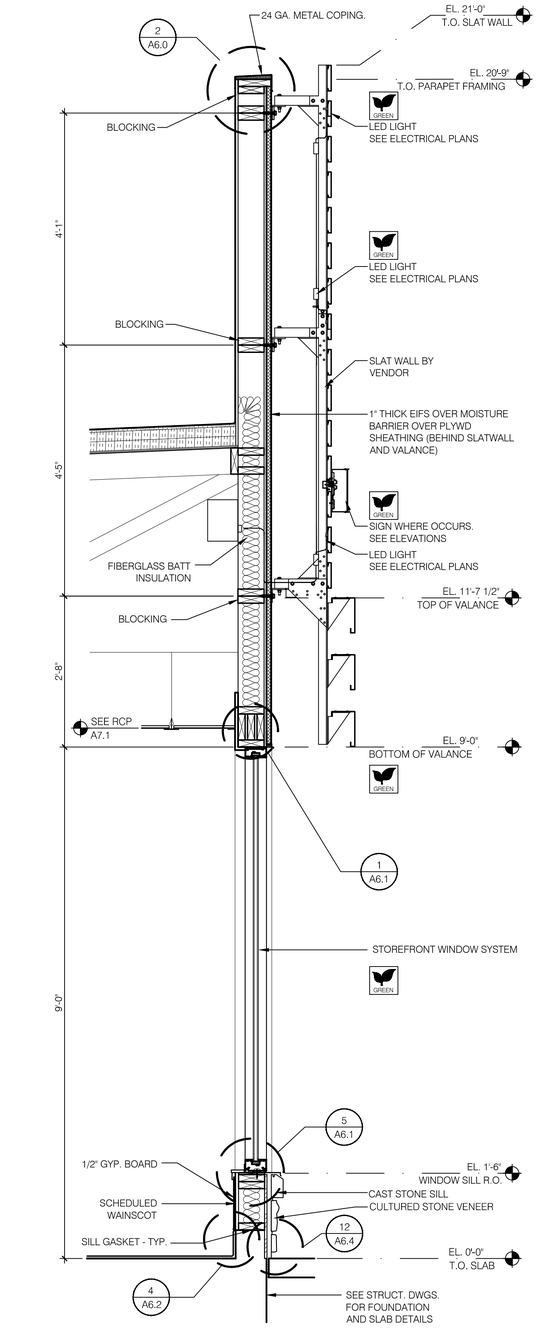
EXTERIOR ELEVATIONS

A4.1

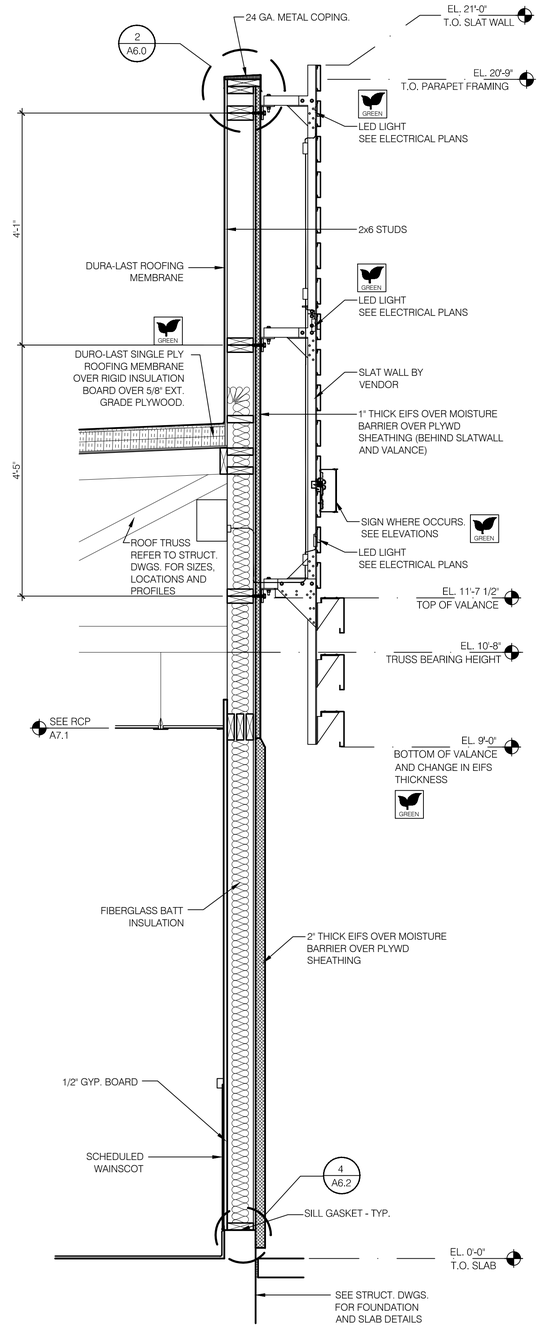
PERMIT PLOT DATE:



WALL SECTION AT DRIVE THRU 3/4" = 1'-0" | **D**

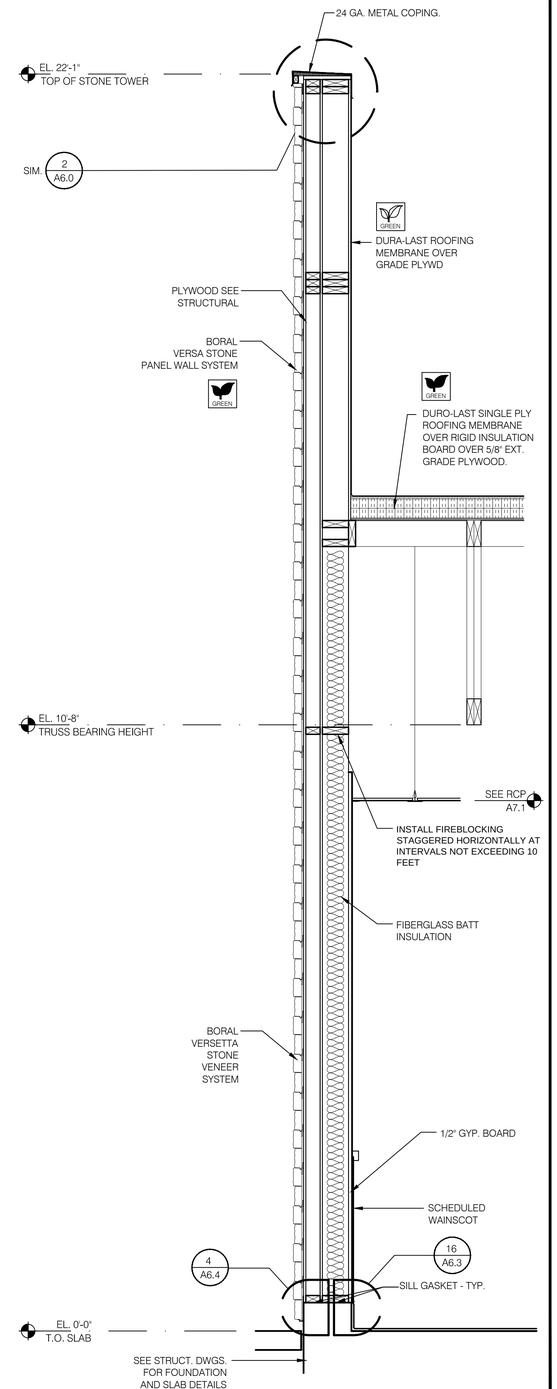


WALL SECTION AT DINING - ENTRY SIDE 3/4" = 1'-0" | **C**



WALL SECTION AT DINING TYP. 3/4" = 1'-0" | **B**

OPTION TO REPLACE RIGID INSULATION W/ BATT INSULATION. BATT TO BE HUNG FROM PLYWOOD DECK BETWEEN JOISTS. ENERGY CALCULATION TO BE REVISED ACCORDINGLY.
SEE CALLOUT ON DETAIL B/A5.2



SECTION AT DINING - DRIVE THRU SIDE TOWER 3/4" = 1'-0" | **A**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

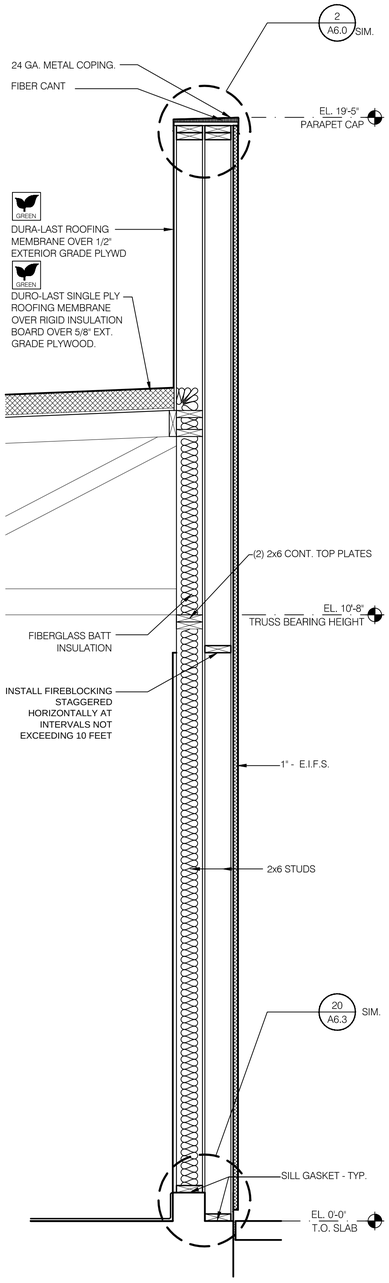
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

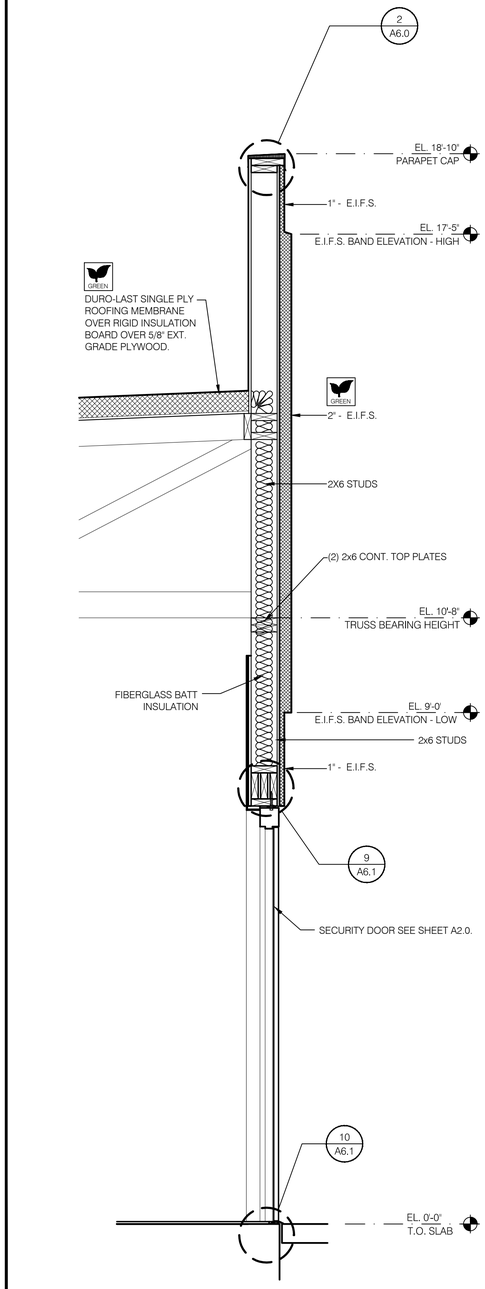
WALL SECTIONS

A5.0

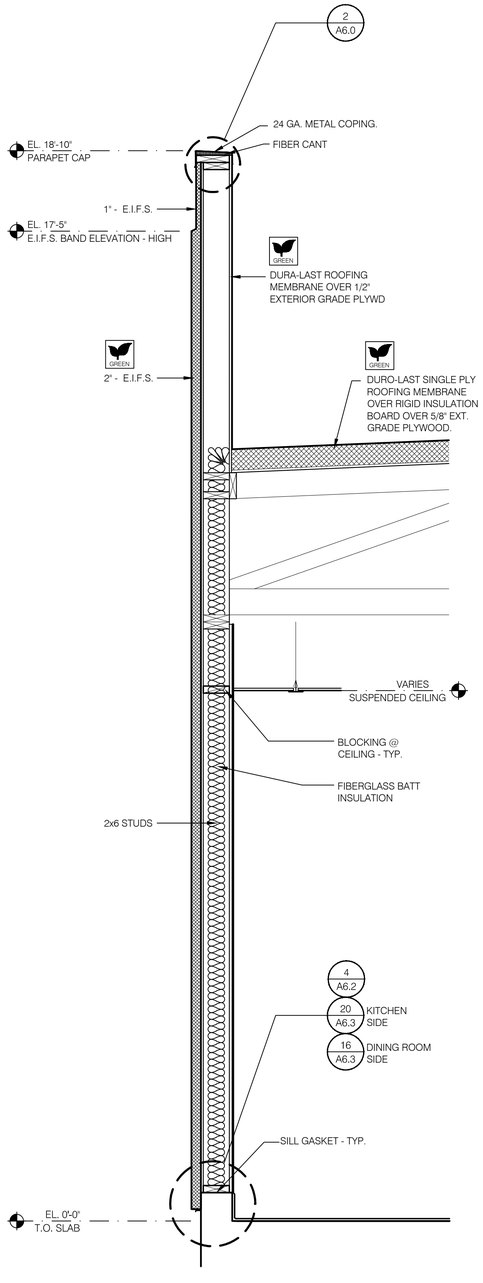
PERMIT PLOT DATE:



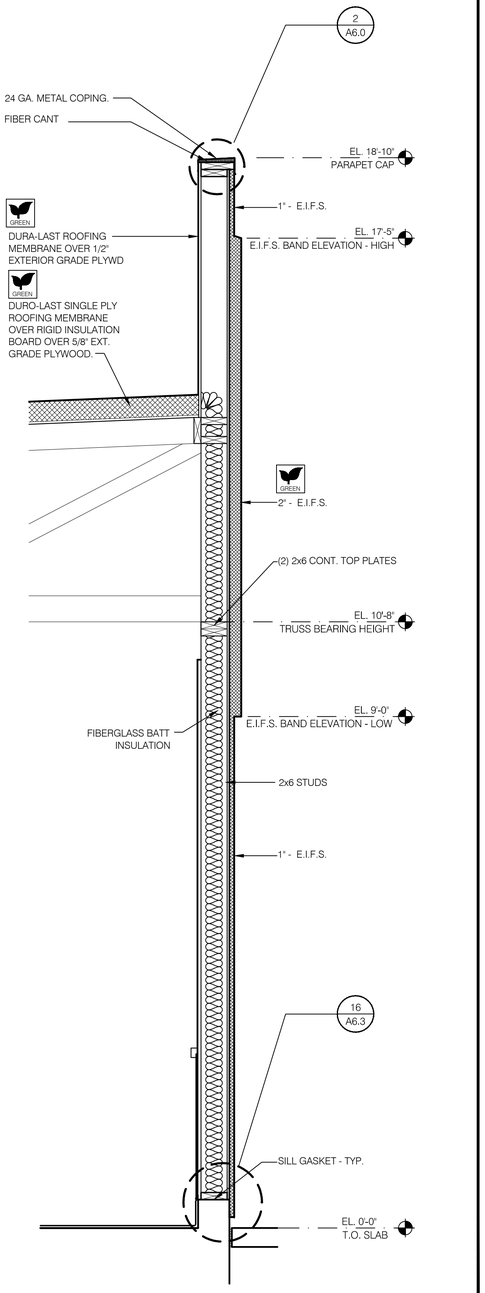
SECTION AT REAR TOWER 3/4" = 1'-0" | **D**



WALL SECTION AT SERVICE DOOR 3/4" = 1'-0" | **C**



WALL SECTION AT THICK E.I.F.S. 3/4" = 1'-0" | **B**



TYPICAL WALL SECTION 3/4" = 1'-0" | **A**

OPTION TO REPLACE RIGID INSULATION W/ BATT INSULATION. BATT TO BE HUNG FROM PLYWOOD DECK BETWEEN JOISTS. ENERGY CALCULATION TO BE REVISED ACCORDINGLY.
SEE CALLOUT ON DETAIL B/A5.2

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
ARCHITECT
01.08.16

△

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

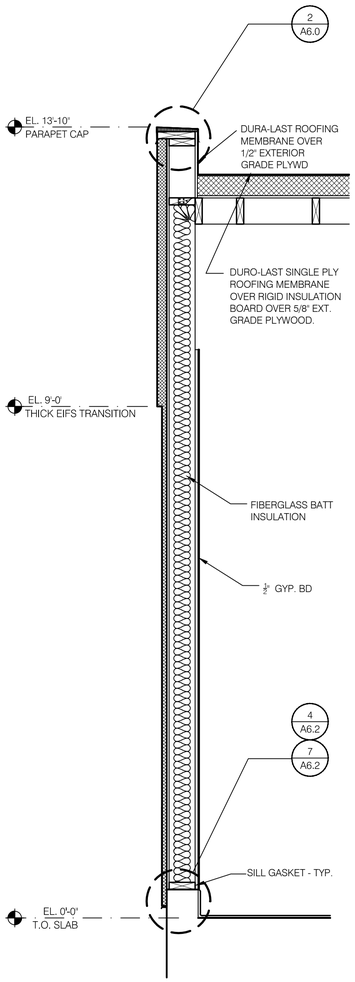
LIVE MAS

MEDIUM 40

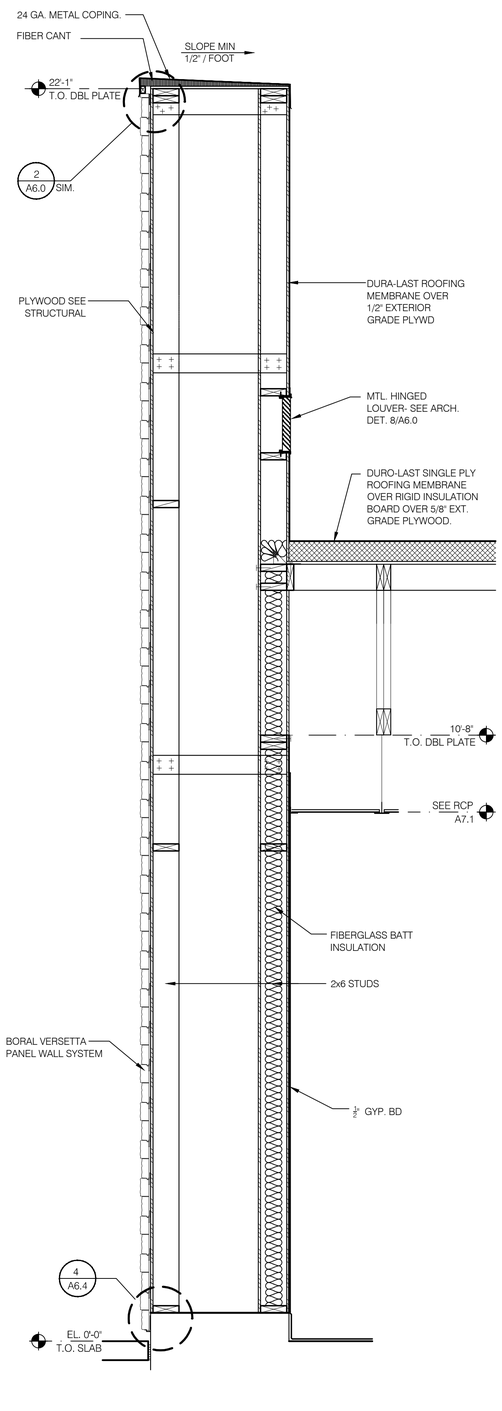
WALL SECTIONS

A5.1

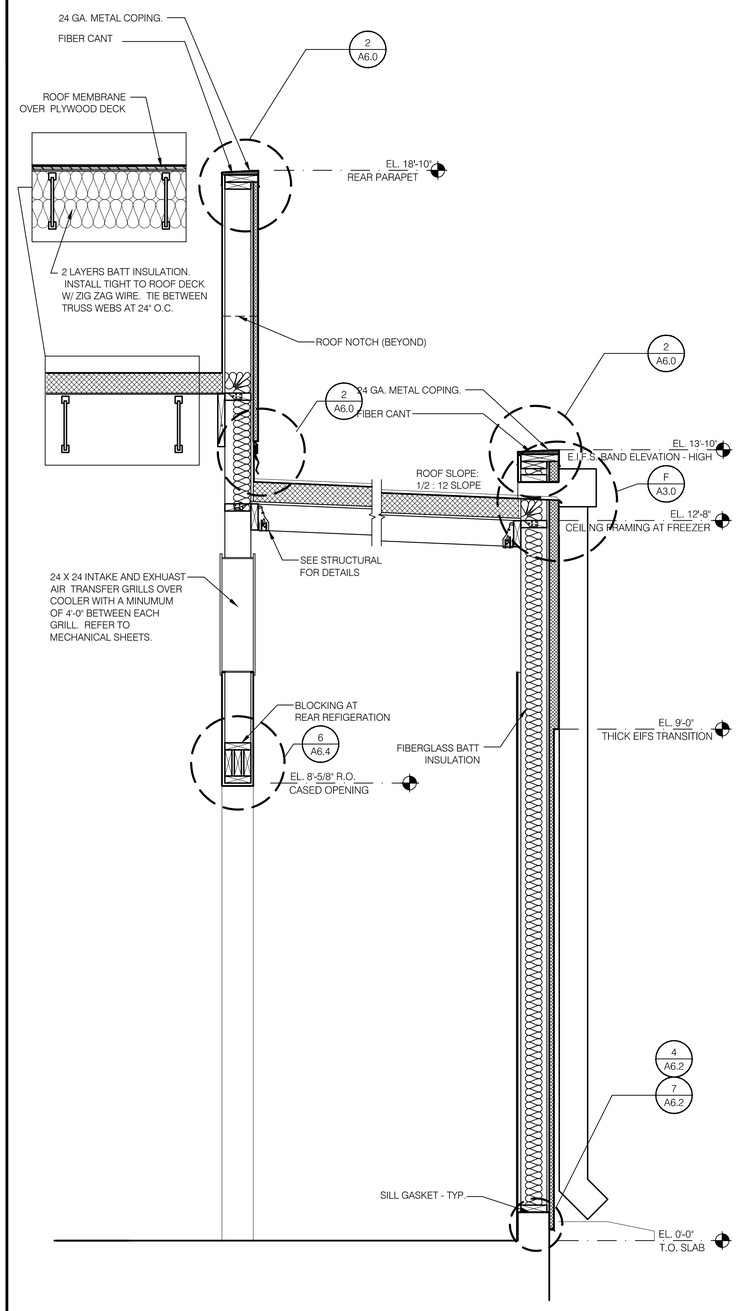
PERMIT PLOT DATE:



WALL SECTION AT COOLER 3/4" = 1'-0" | **D**

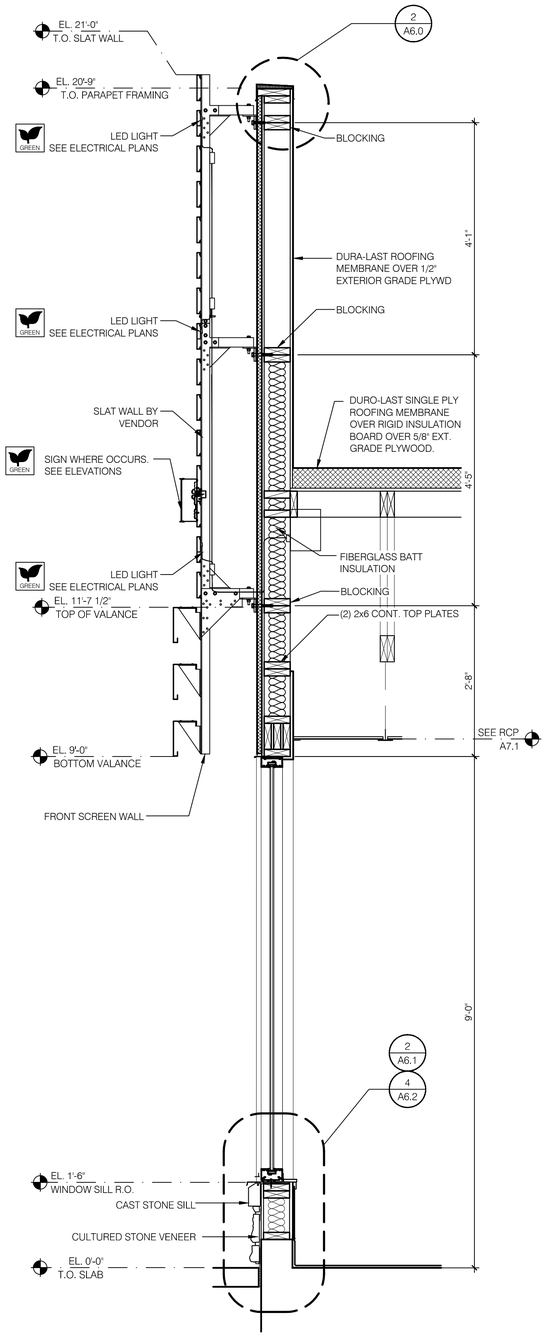


FRONT TOWER SECTION | **C**



REAR WALL SECTION AT COOLER 3/4" = 1'-0" | **B**

OPTION TO REPLACE RIGID INSULATION W/ BATT INSULATION. BATT TO BE HUNG FROM PLYWOOD DECK BETWEEN JOISTS. ENERGY CALCULATION TO BE REVISED ACCORDINGLY.
SEE CALLOUT ON DETAIL B/A5.2



FRONT WALL SECTION 3/4" = 1'-0" | **A**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
PROFESSIONAL
ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

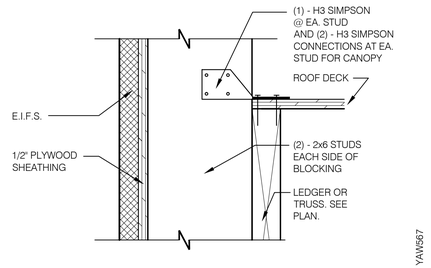
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

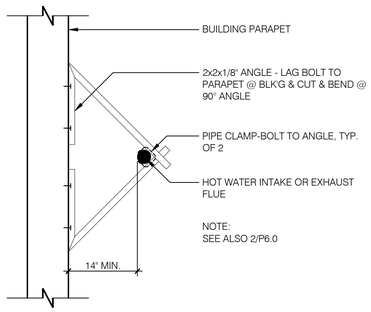
WALL SECTIONS

A5.2

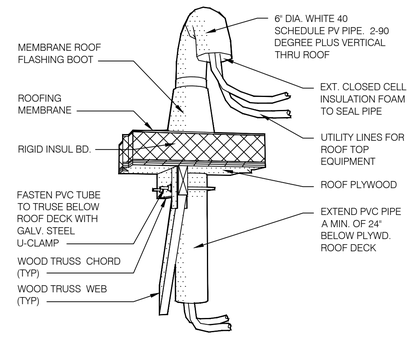
PERMIT PLOT DATE:



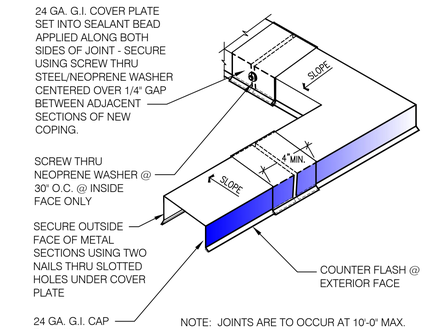
CON. @ STUD AND @ BLOCKING 3" = 1'-0" | **17**



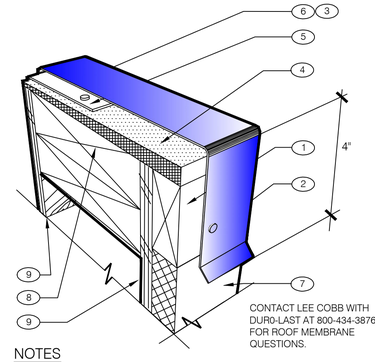
W.H. FLU / INTAKE PIPE SUPPORT N.T.S. | **13**



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



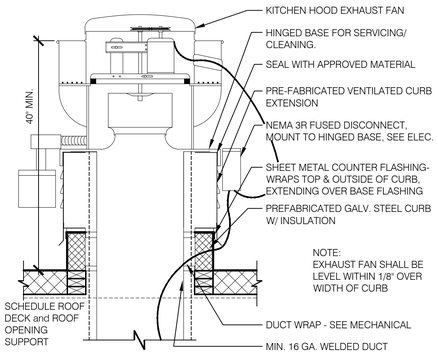
COPING JOINT N.T.S. | **5**



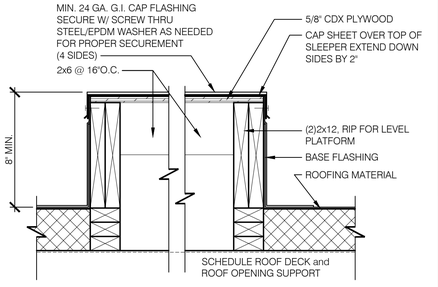
NOTES

1. PROVIDE A WOOD NAILER TO MATCH THE THICKNESS OF THE WALL FINISH. APRROX. 1" THICK IS TYPICAL BUT MAY VARY. TOP OF WOOD NAILER SHALL BE FLUSH WITH TOP OF WALL FINISH. THE WOOD NAILER SHALL EXTEND AT LEAST 1/2" INCH BEYOND THE LOWER HORIZONTAL EDGE OF THE PARAPET COPING TO ALLOW FOR PROPER FASTENING.
2. FASTENERS USED TO ATTACH THE COPING TO WOOD NAILERS, MUST BE SPACED NO GREATER THAN 18 - INCHES ON-CENTER.
3. ALLOW FOR 1/8 - INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF COPING. PROVIDE A COPING JOINT COVERS BETWEEN ENDS OF COPING PIECES AND AT CORNERS. JOINT COVERS SHOULD BE MADE FROM THE SAME MATERIAL AS THE COPING AND SHOULD LAP THE JOINTS A MINIMUM OF 6" ON EITHER SIDE. JOINT COVERS SHALL BE FASTENED THE SAME WAY AS THE COPING.
4. FIBER CANT STRIP SLOPED 1/4:12 TOWARDS ROOF..
5. ROOF MEMBRANE
6. FACTORY PAINTED 24 GAUGE METAL COPING WITH 4" DROP FRONT, BACK AND ENDS (WHERE SHOWN).
7. WALL FINISH: TYPICALLY 1" THK EIFS OR 7/8" THK STUCCO
8. DOUBLE 2X TOP PLATE
9. PLYWOOD SUBSTRATE. SEE SHEET A1.0 & S2.0 FOR ADDITIONAL DETAILS

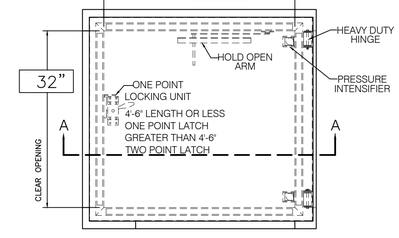
PARAPET CAP N.T.S. | **2**



EXHAUST FAN CURB N.T.S. | **19**



SLEEPER SUPPORT 1-1/2"=1'-0" | **15**



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

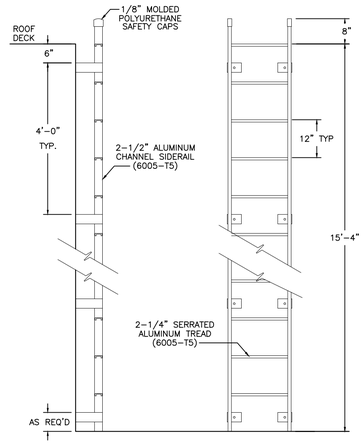
NOTES:

(1) ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS.

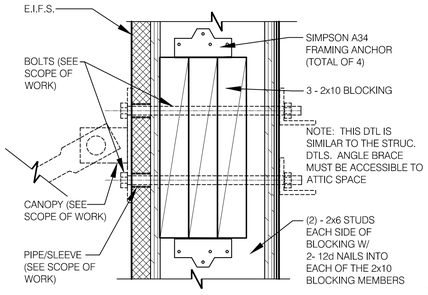
(2) FOR OPERATING EFFICIENCY, HATCH HARDWARE VARIES BY SIZE.

EXAMPLE MODEL#: PH- A/G OPENING SIZE IN FEET-INCHES (PH-G2630)

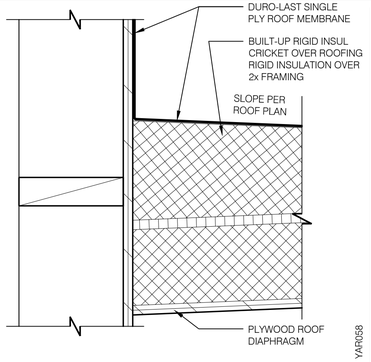
ROOF LADDER AND HATCH 1"=1'-0" | **7**



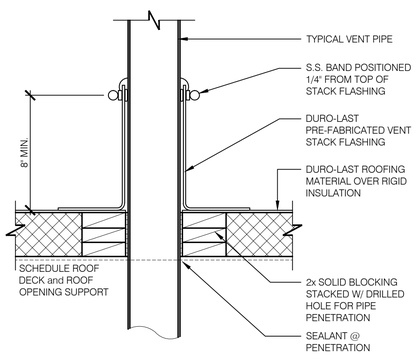
ROOF LADDER N.T.S. | **4**



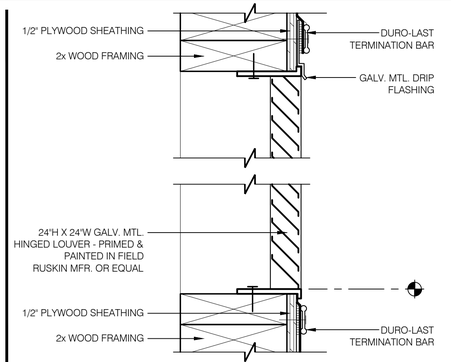
CANOPY BLOCKING DETAIL 3" = 1'-0" | **20**



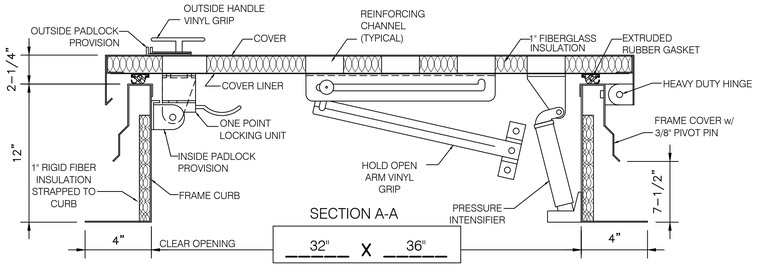
CRICKET 3"=1'-0" | **16**

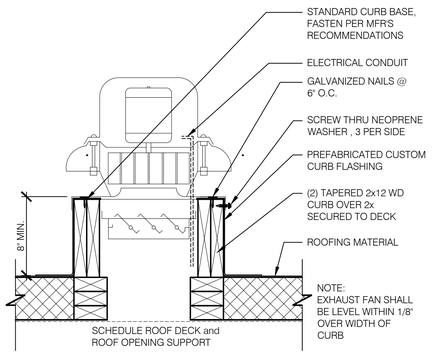


SEALED PIPE FLASHING 1 1/2"=1'-0" | **12**

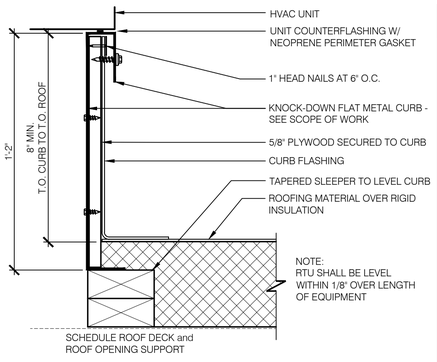


LOUVER DETAIL N.T.S. | **8**





EXHAUST FAN CURB 1-1/2" = 1'-0" | **18**



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

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL

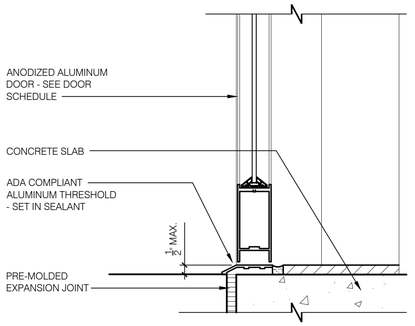
LIVE MAS

MEDIUM 40

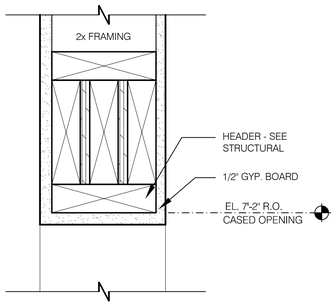
CONSTRUCTION DETAILS ROOF

A6.0

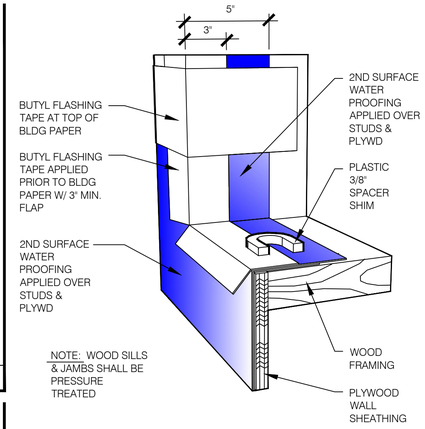
PERMIT PLOT DATE:



STOREFRONT DOOR SILL 3"=1'-0" | **17**

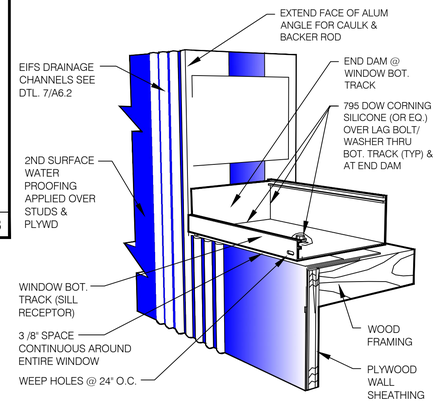


CASED OPENING DETAIL 3"=1'-0" | **18**



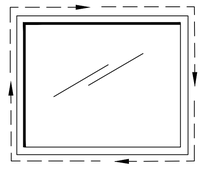
WATER PROOFING ROUGH OPENING

AFTER FRAMING 2ND SURFACE WATER PROOFING PER EIFS MANUFACTURER. ADD FLASHING TAPE AROUND THE ROUGH OPENING FOR THE WINDOW AND DOOR OPENING



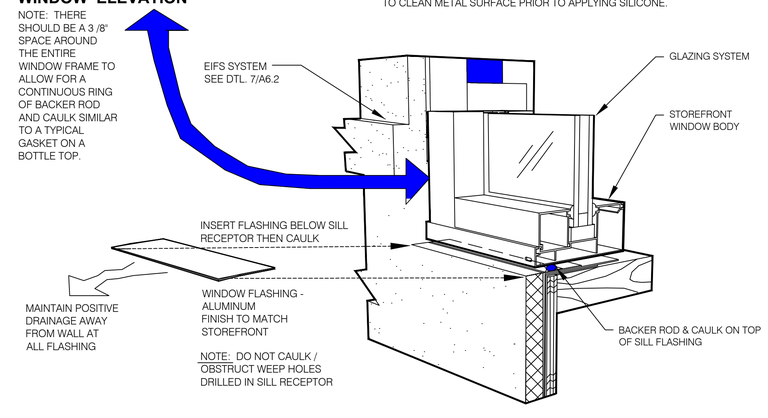
ADD SILL RECEPTOR AND END DAM

THIS DIAGRAM SHOWS THE APPLICATION OF SILL RECEPTOR AND VERTICAL EIFS ADHESIVE DRAINAGE CHANNELS. USE 100% PURE ISOPROPYL ALCOHOL TO CLEAN METAL SURFACE PRIOR TO APPLYING SILICONE.



WINDOW ELEVATION

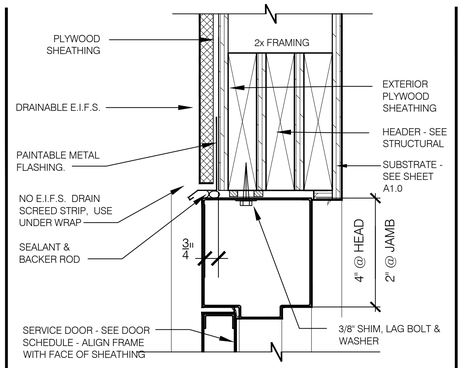
NOTE: THERE SHOULD BE A 3 /8" SPACE AROUND THE ENTIRE WINDOW FRAME TO ALLOW FOR A CONTINUOUS RING OF BACKER ROD AND CAULK SIMILAR TO A TYPICAL GASKET ON A BOTTLE TOP.



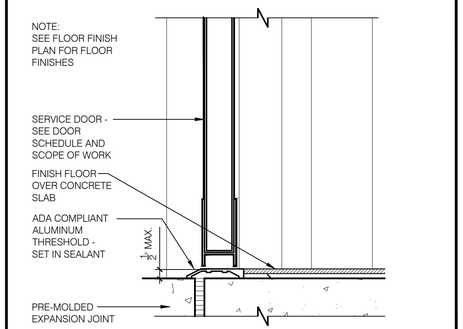
COMPLETING WINDOW SYSTEM

SET STOREFRONT WINDOW, APPLY EIFS SYSTEM AND THEN ADD WINDOW FLASHING OVER TOP OF EIFS AT WINDOW SILL

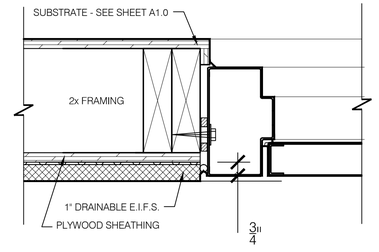
TYPICAL WINDOW WALL WATER PROOFING | **16**



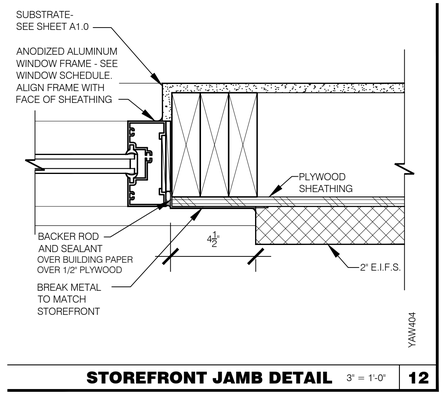
HEAD / JAMB @ SERVICE DOOR 3"=1'-0" | **9**



THRESHOLD @ SERVICE DOOR 3"=1'-0" | **10**

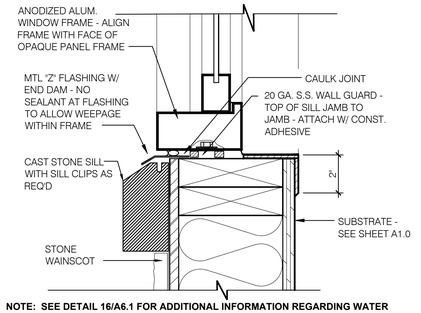


E.I.F.S. JAMB @ SERVICE DOOR 3"=1'-0" | **11**



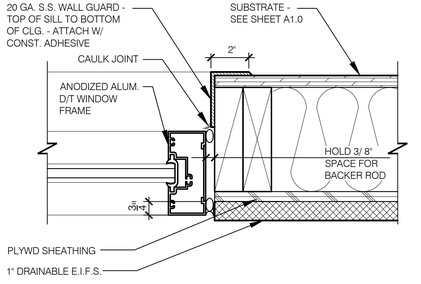
YAW404

STOREFRONT JAMB DETAIL 3" = 1'-0" | **12**



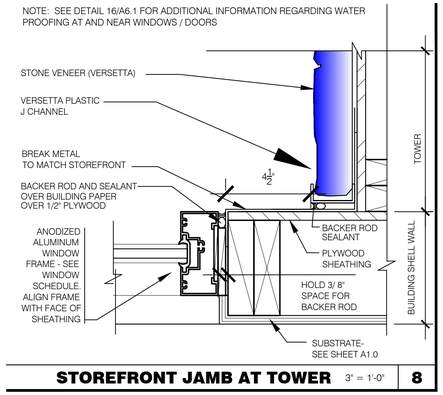
NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

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

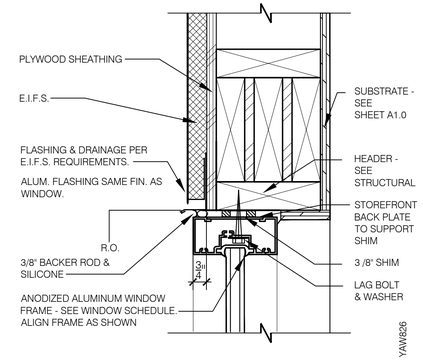


NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

WINDOW JAMB @ DRIVE THRU 3"=1'-0" | **7**

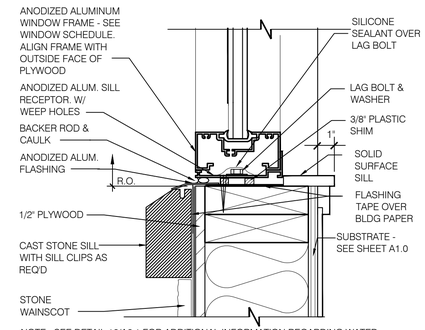


STOREFRONT JAMB AT TOWER 3" = 1'-0" | **8**



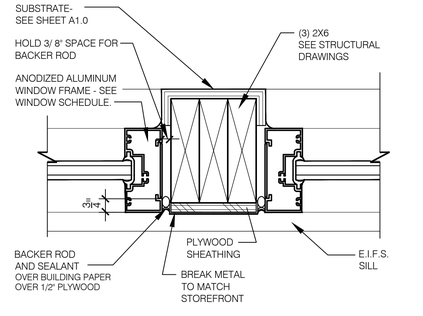
YAW826

TYPICAL WINDOW HEAD 3" = 1'-0" | **1**



NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

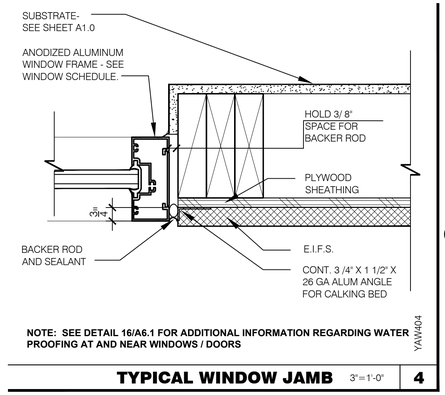
TYPICAL WINDOW SILL 3"=1'-0" | **2**



NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

YAW404

STOREFRONT JAMB DETAIL 3" = 1'-0" | **3**



NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

YAW404

TYPICAL WINDOW JAMB 3"=1'-0" | **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
(17.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

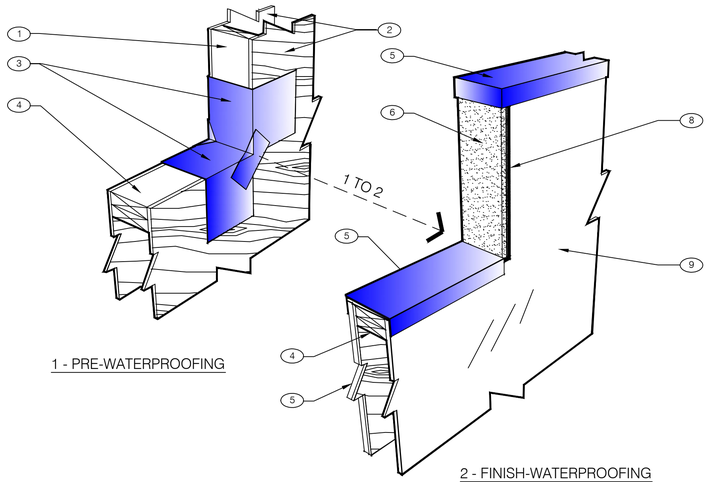
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

CONSTRUCTION DETAILS DOOR/WINDOW

A6.1

PERMIT PLOT DATE:



1 - PRE-WATERPROOFING

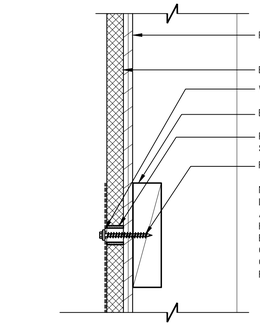
2 - FINISH-WATERPROOFING

NOTES

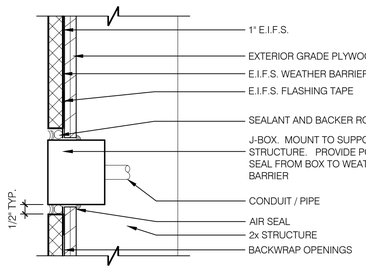
1. 2X WOOD STUDS
2. PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
3. FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
4. DOUBLE 2X TOP PLATE.
5. PAINTED 24 GAUGE PARAPET COPING. 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 1" THICK EIFS ONTO VERTICAL FACE OF PARAPET TRANSITION
7. EIFS FINISH ON OUTER SURFACE OF EXTERIOR WALL. THICKNESS PER THE EXTERIOR ELEVATIONS ON SHEET A4.0
8. TERMINATION BAR AT VERTICAL TRANSITION OF EIFS AND MEMBRANE ROOFING. SEAL VERTICAL GAP BETWEEN TERMINATION BAR AND EIFS 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.

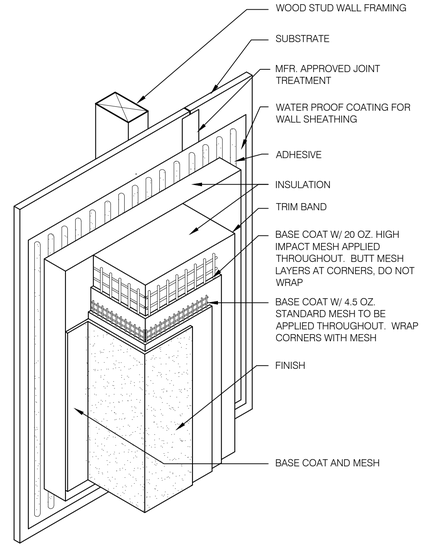
PARAPET CAP & TRANSITION N.T.S. **14**



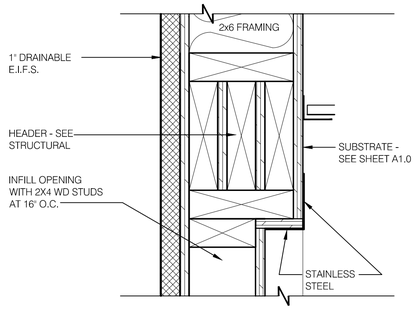
CONNECTION THRU EIFS 3" = 1'-0" **9**



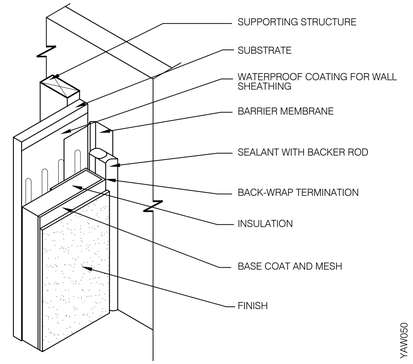
CO2 FILL / J-BOX IN EIFS 3" = 1'-0" **5**



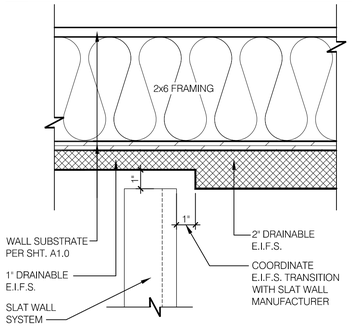
TYP. E.I.F.S. TRIM HIGH-IMPACT N.T.S. **2**



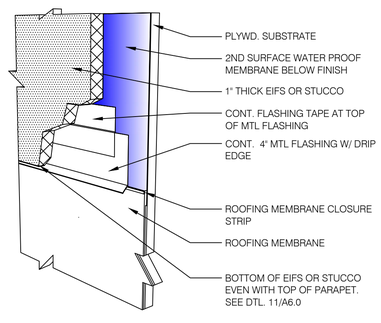
WINDOW HEAD @ PRE-PAY 3" = 1'-0" **10**



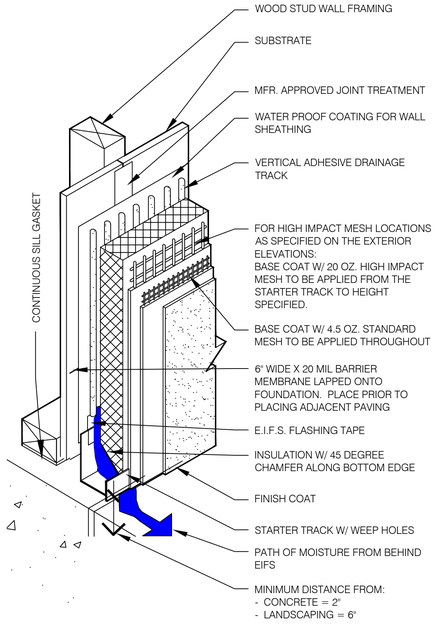
TYP. E.I.F.S. @ INSIDE CORNER N.T.S. **6**



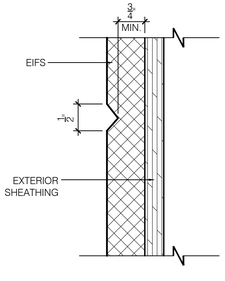
E.I.F.S. TRANSITION @ SLAT WALL 3"=1'-0" **19**



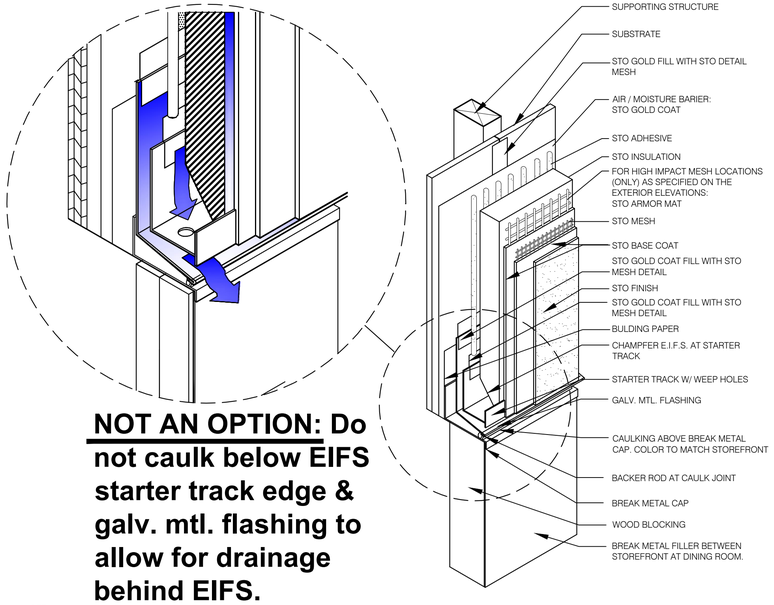
E.I.F.S. TO BASE FLASHING N.T.S. **7**



TYP. E.I.F.S. BASE TERMINATION N.T.S. **4**



E.I.F.S. V-GROOVE NTS **20**

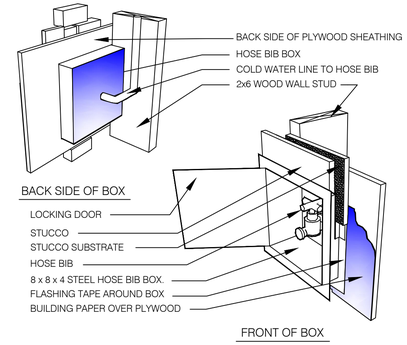


NOT AN OPTION: Do not caulk below EIFS starter track edge & galv. mtl. flashing to allow for drainage behind EIFS.

NOTE:
E.I.F.S. DETAILS ARE INTENDED TO BE GENERIC. MANUFACTURER'S DETAILS AND RECOMMENDATIONS SHOULD BE FOLLOWED. REFER TO SECTION 07240 OF THE SPECIFICATIONS MANUAL.

E.I.F.S FLASHING AT TOP OF BREAK METAL **12**

NOTE: HOSE BIB BOX SHALL BE ACUDOR-ARVB OR EQUAL



HOSE BIB BOX N.T.S. **8**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED PROFESSIONAL ENGINEER
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

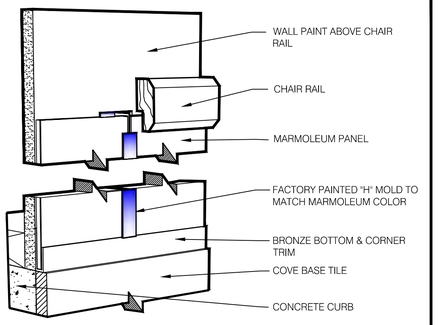
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

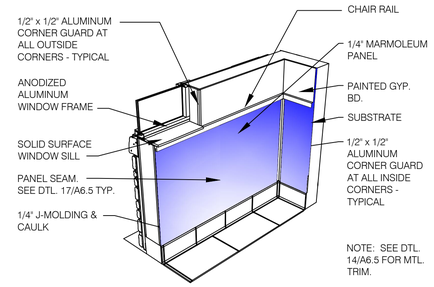
CONST. DETAILS WALL

A6.2

PERMIT PLOT DATE:



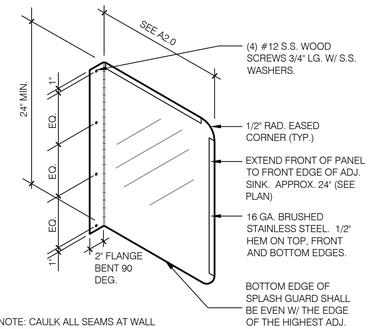
MARMOLEUM TRIM DETAIL N.T.S. | **17**



NOTE: THE MARMOLEUM PANELS, CHAIR RAIL & PAINTED MTL. TRIM ARE PROVIDED BY THE DECOR VENDOR. THE GC SHALL INSTALL PANELS TO THE WALL SUBSTRATE WITH ROLLED ON CONTACT GLUE. SEE SCOPE OF WORK.

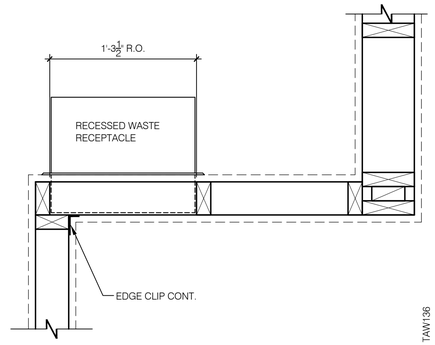
TAW121

MARMOLEUM ATTACHMENT DETAIL N.T.S. | **13**



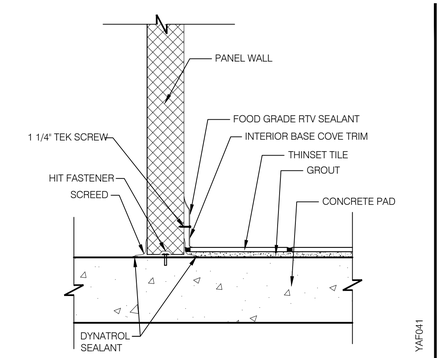
NOTE: CAULK ALL SEAMS AT WALL SURFACE.

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



TAW136

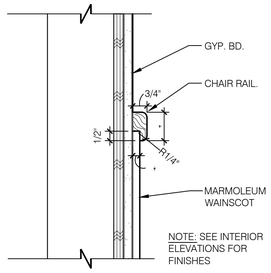
WALL CORNER @ WASTE RECEP. 1-1/2" = 1'-0" | **5**



YAF041

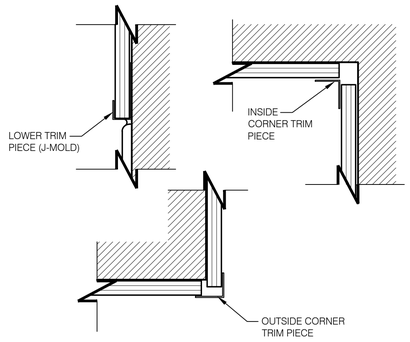
WALK-IN TILE/BASE 1-1/2" = 1'-0" | **1**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com



YAF051

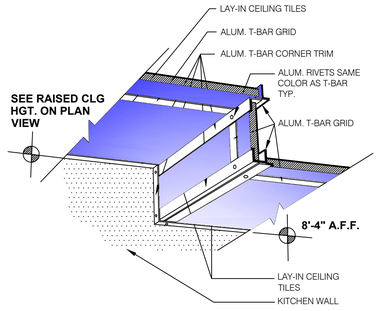
SECTION AT CHAIR RAIL 3"=1'-0" | **18**



SEE SCOPE OF WORK FOR MORE INFORMATION

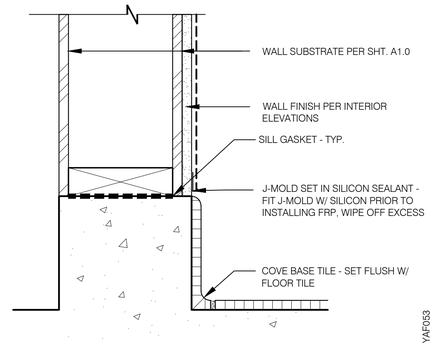
TAW120

MARMOLEUM TRIM DETAILS 6" = 1'-0" | **14**



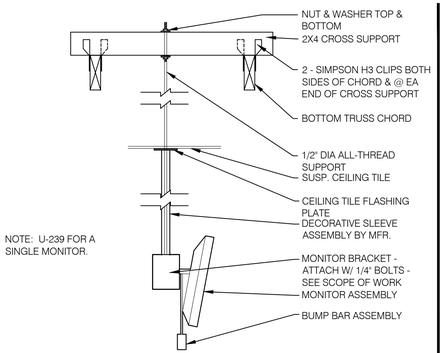
TAC111

CEILING POCKET N.T.S. | **10**



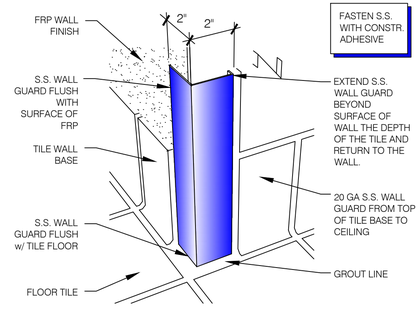
YAF053

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



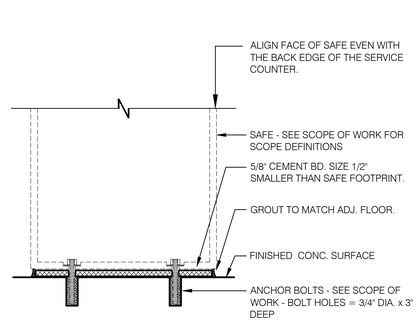
NOTE: U-239 FOR A SINGLE MONITOR.

CEILING MOUNT MONITOR BRACKET N.T.S. | **2**

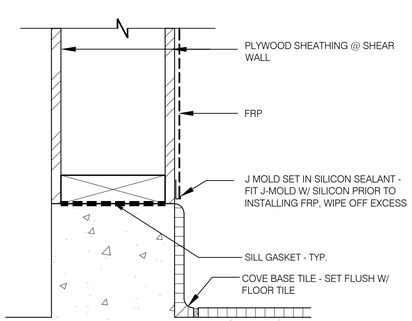


NOTE: THIS DETAIL SHOW A 90 DEGREE CORNER. ADAPT THIS DETAIL AND APPLY WHERE WALLS EXTEND INTO SPACE.

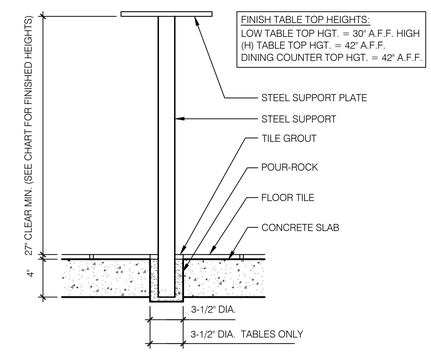
S.S. CORNER & END WALL GUARD N.T.S. | **19**



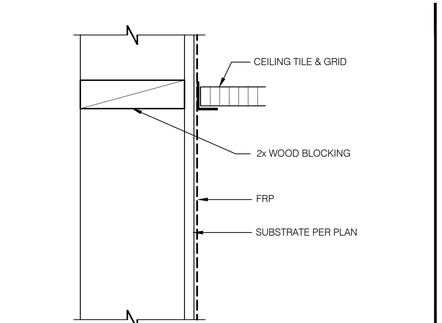
SAFE PEDESTAL 1" = 1'-0" | **15**



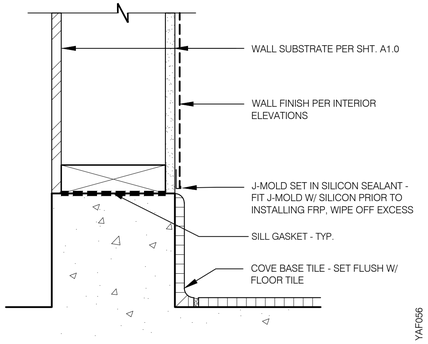
BASE @ KITCHEN EXT. REAR WALL 3"=1'-0" | **11**



CORE DRILL 1 1/2"=1'-0" | **7**

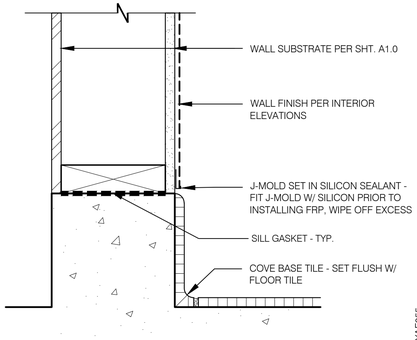


KITCHEN FINISH @ CEILING 3"=1'-0" | **3**



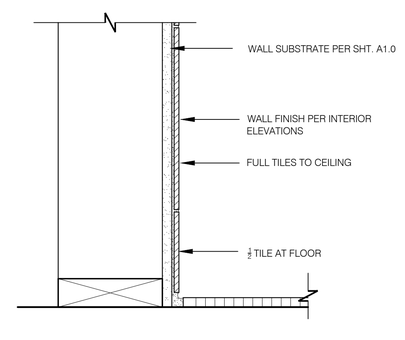
YAF056

BASE @ KITCHEN EXT. SIDE WALLS 3"=1'-0" | **20**

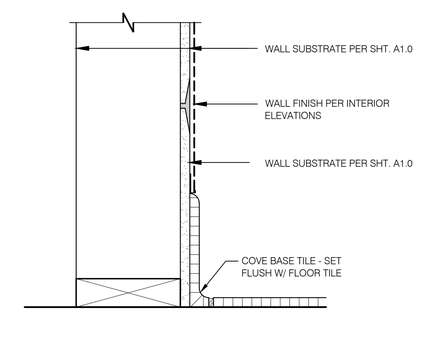


YAF055

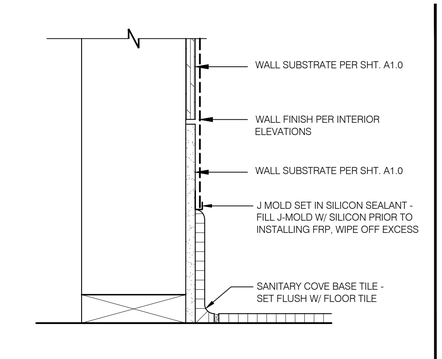
BASE @ DINING EXT. SIDE WALLS 3"=1'-0" | **16**



BASE @ RESTROOM INT. WALL 3" = 1'-0" | **12**



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



BASE @ KITCHEN INT. WALL 3"=1'-0" | **4**

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

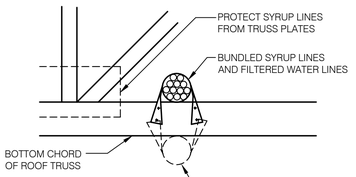
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

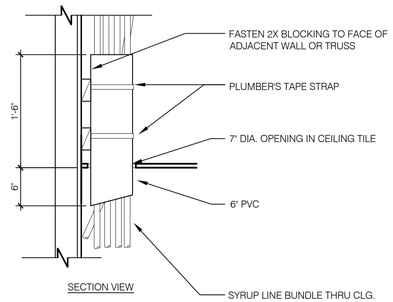
FINISH DETAILS

A6.3

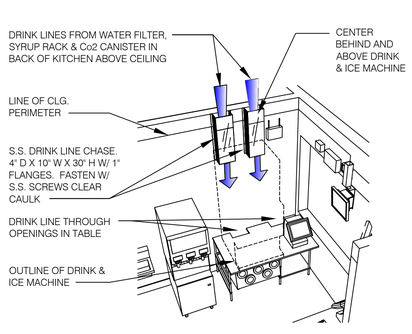
PERMIT PLOT DATE:



SYRUP LINE IN CEILING N.T.S. | **17**



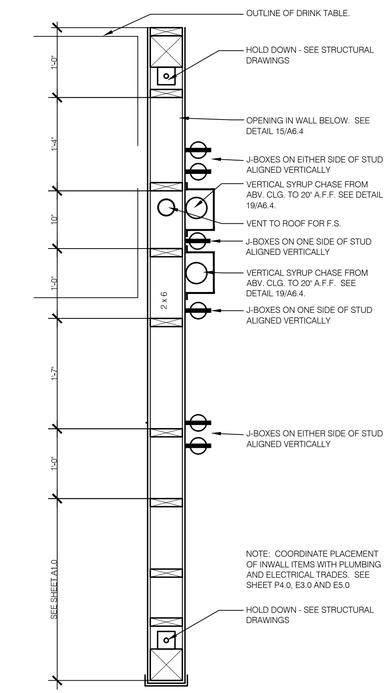
SYRUP BUNDLE CLG. PENETRATION N.T.S. | **18**



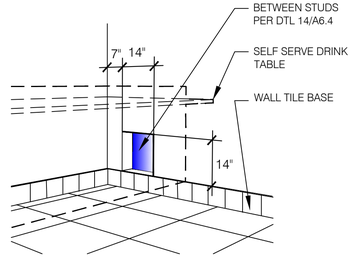
NOTE: SEE DETAIL 11/P6.0 DRINK SYSTEM SCHEMATIC & DETAIL 12/P6.0 FOR DRINK LINES

SYRUP CHASE ON WALL N.T.S. | **19**

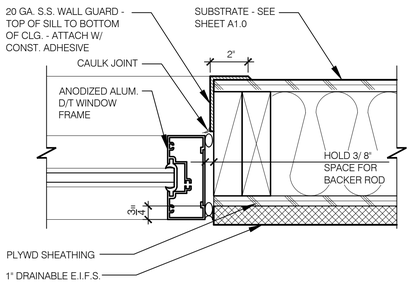
NOT USED. | **20**



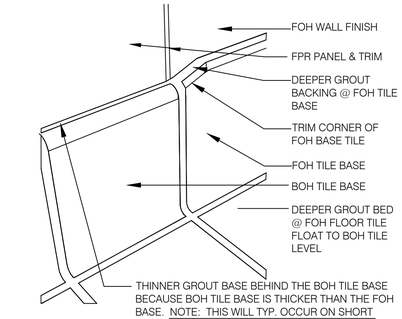
INTERIOR CHASE WALL N.T.S. | **14**



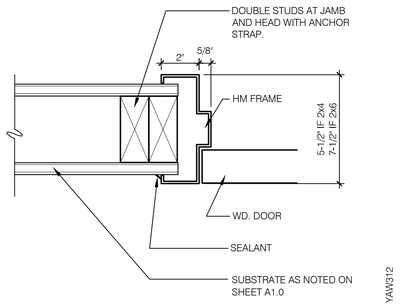
WALL PASS THRU NTS | **15**



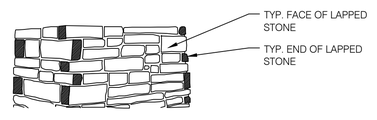
WINDOW JAMB @ DRIVE THRU 3"=1'-0" | **7**



TILE BASE TRANSITION | **9**



JAMB AT H.M. DOOR 3" = 1'-0" | **10**



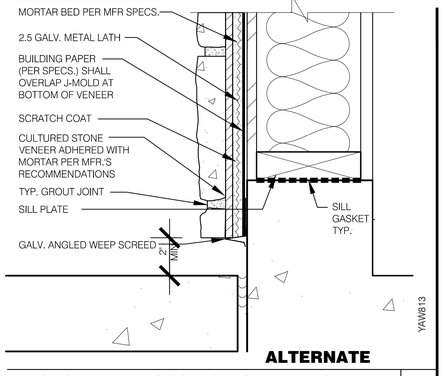
TYPICAL CORNER

NOTE:
THE TYPICAL CORNER TREATMENT FOR STONE VENEER IS SHOWN ABOVE. ALTERNATE LAPPING STONES AS SHOWN ABOVE.

FIELD STONE SHALL HAVE HORIZONTAL GROUT LINE ALIGNED WITH THE FINISH FLOOR. HORIZONTAL GROUT JOINTS SHOULD NOT EXCEED 4 TO 6 FEET.

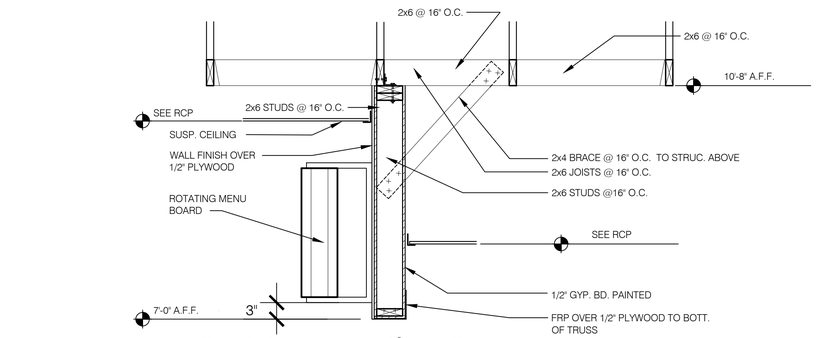
ALTERNATE

TYPICAL STONE VENEER CORNER N.T.S. | **11**



ALTERNATE

STONE WAINSCOT @ TOWER LEG 3"=1'-0" | **12**

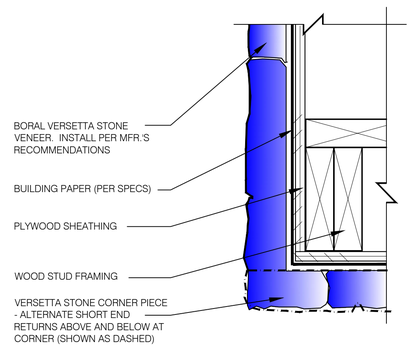


NOTE: ALLOWABLE ALTERNATE FRAMING: 3-5/8" MTL. STUDS W/FLEX TRACK FOR BULKHEAD FRAMING.

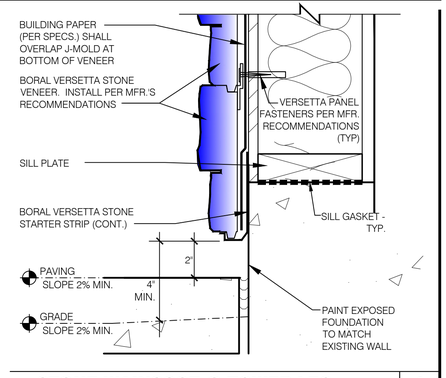
MENU BOARD/SOFFIT SECTION 3/4" = 1'-0" | **1**

TAC106

NOT USED N.T.S. | **3**



STONE VENEER OUTSIDE CORNER 3" = 1'-0" | **8**



STONE WAINSCOT @ TOWER LEG 3" = 1'-0" | **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2548
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

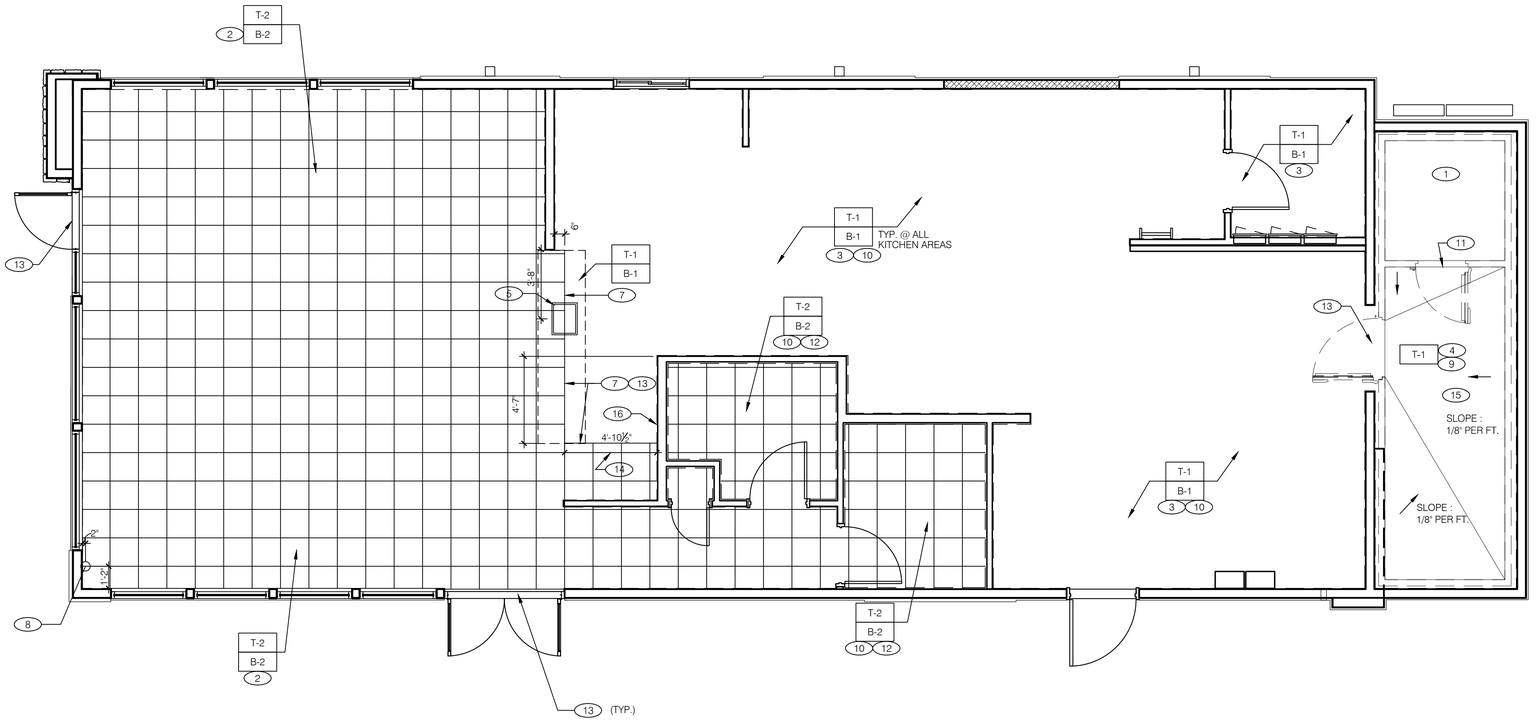
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

CONSTRUCTION DETAILS WALL

A6.4

PERMIT PLOT DATE:



12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

FLOOR FINISH PLAN 1/4"=1'-0" **A**

NOT USED | F

FINISH NOTES | D

A. ▭ DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES.

B. TILE JOINTS (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.

KEY NOTES | B

1. FACTORY FLOOR FINISH (GALV STL) W/ INTEGRAL COVE BASE
2. 6" COVE TILE BASE. SEE DETAIL 8/A6.3 FOR INSTALLATION.
3. 6" SANITARY COVE TILE BASE. SEE DETAIL 4/A6.3.
4. PROVIDE FLOOR TILE INSIDE WALK-IN COOLER (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN. COORD. WITH COOLER WALL CONFIGURATION.
5. PLATFORM FOR SAFE - SEE DETAIL 15/A6.3
6. NOT USED.
7. FLOOR TILE SHALL TRANSITION AT SERVICE COUNTER WALL.
8. START POINT FOR FLOOR TILE.
9. METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL 1/A6.3.
10. REFER TO STRUCT DRAWINGS FOR CONC FLOOR SLOPES AROUND FLOOR DRAINS.
11. FLOAT FLOOR TILE TO MEET FREEZER FLOOR FLUSH. COORD WITH FREEZER THRESHOLD INSTALLATION.
12. SANITARY TILE BASE IN RESTROOMS. SEE DETAIL 12/A6.3 FOR INSTALLATION.
13. FLOAT FLOOR TILE FOR FLUSH TRANSITION.
14. DIMENSION STRING REPRESENTS LINE OF FLOOR TILE TRANSITION.
15. NO BASE TILE BEHIND ⟨W-07⟩ WALK-IN COOLER/FREEZER.
16. ALIGN TOP OF B-2 AND B-1. SEE DETAIL 9/A6.4.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P → NOV '15
SITE NUMBER:
STORE NUMBER:

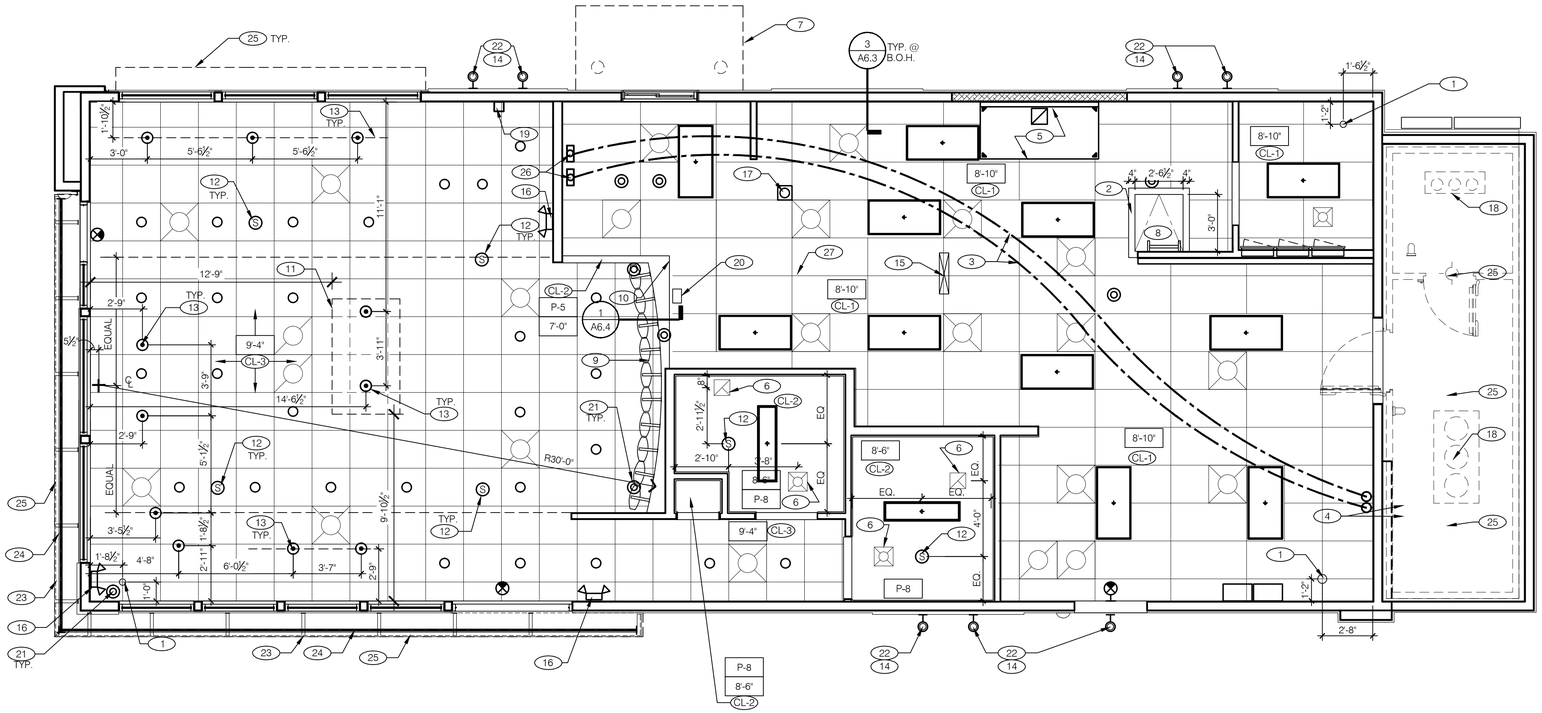
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

FLOOR FINISH PLAN

A7.0

PERMIT PLOT DATE:



12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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

NOT USED 1/4"=1'-0" F

CEILING SYMBOL LEGEND E

- 1'-0" x 4'-0" LED TROFFER
- 2'-0" x 4'-0" LED LIGHT FIXTURE
- DOWNLIGHT @ WALK-IN (BY WALK-IN MFR.)
- SUSPENDED DOWNLIGHT AT OPEN TRUSS
- PENDANT FIXTURE
- DOWNLIGHT
- EMERGENCY LIGHTS
- EXIT LIGHT (WALL MOUNTED)
- EXIT LIGHT (CEILING MOUNTED)
- PENDANT OR DIRECTIONAL FIXTURE, TRACK MOUNTED
- EXTERIOR WALL FIXTURE
- SPEAKER
- 12" EXHAUST FAN
- HVAC RETURN GRILLE
- HVAC SUPPLY DIFFUSER
- HVAC SUPPLY DIFFUSER
- HVAC PERFORATED SUPPLY DIFFUSER
- BACK DOOR SECURITY STROBE LIGHT
- EXTERIOR CANOPY FLUORESCENT LIGHT

REFLECTED CEILING PLAN NOTES D

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.

KEY NOTES B

1. CEILING GRID STARTING POINT.
2. BULKHEAD @ 8'-0" A.F.F.
3. NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE OF WORK. SEE DETAIL 17/A6.4.
4. 6" DIA PVC STUB THROUGH CEILING, SEE DETAIL 18/A6.4.
5. HOOD.
6. FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHED. (TYP. AT RESTROOMS).
7. DRIVE THRU CANOPY.
8. ROOF HATCH. SEE 7/A6.0.
9. MENU BOARD. SEE SCOPE OF WORK.
10. MENU BOARD BULKHEAD - BOTTOM OF SOFFIT AT 7'-0" A.F.F. / SEE DETAIL 1/A6.4.
11. PRE-FABRICATED & PRE-FINISHED SOFFIT BY 3RD PARTY VENDOR. PROVIDE CLG. TILES ABOVE SOFFIT. <D-549> (OPTIONAL)
12. SPEAKER, CENTER IN CEILING TILE PANEL.
13. PENDANT LTG - CENTER OVER TABLE TOP (TYP). COORDINATE WITH DECOR FIELD INSTALLATION.
14. EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECT. DWGS.
15. UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
16. EMERGENCY DUAL HEAD FIXTURE. SEE ELECT. DWGS.
17. SECURITY STROBE LIGHT, REFER TO ELECT. DWGS.
18. FAN COIL FOR WALK-IN.
19. 6" x 6" 18 GA. STAINLESS STEEL CHASE ALONG WALL FOR ICE MACHINE REFRIGERANT LINES: 6" ABOVE CEILING TO TOP OF ICE MACHINE.
20. ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT C.L. OF BOX 7-11" AFF
21. SECURITY CAMERA, REFER TO ELECTRICAL DRAWINGS.
22. ALIGN BOTTOM OF LIGHT FIXTURE MOUNTING PLATE WITH EIFS REVEAL / CHANGE IN EIFS THICKNESS.
23. DECORATIVE SLAT WALL BY VENDOR. SEE BUILDING ELEVATIONS.
24. 3 ROWS OF LED LIGHTS BEHIND SLAT WALL. SEE BUILDING SECTIONS.
25. SLATWALL SYSTEM BY VENDOR. SEE BUILDING ELEVATIONS.
26. STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 19/A6.4.
27. WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

REFLECTED CEILING PLAN

A7.1

PERMIT PLOT DATE:

FLOORING

SYM	DESCRIPTION	ALTERNATE / NOTE
T-1	MFR.: CREATIVE MATERIALS CORP TYPE: CMC #308 DURAQUARRY NON-ABRASIVE COLOR: RED SIZE: 6"x6" GROUT: CMC #H141 FLASH WALNUT EPOXY	MFR.: DAL TILE TYPE: QUARRY #0Q40 NON ABRASIVE COLOR: RED BLAZE SIZE: 6"x6" GROUT: CUSTOM #95 SABLE BROWN EPOXY
T-1-ATL	MFR.: TYPE: DUR-A-FLEX COLOR: POLYCRETE WITH 6" INTEGRAL BASE** CONTACT: GRAY BLACK BEAR COATINGS & CONCRETE JUSTIN TOUSIGNANT - 978.490.0708	**DURA-FLEX ALTERNATE TILE WITH INTEGRAL BASE MUST BE APPROVED BY ARCHITECT AND CHARTER FOODS, NO ADDITIONAL BASE IS REQUIRED.
T-2	MFR.: CREATIVE MATERIALS CORP. TYPE: PORCELAIN TILE ANTIQUE COLOR: SUNSET SIZE: 18"x18" OR 12"x12" GROUT: CMC #H141 FLASH WALNUT	MFR.: DAL TILE TYPE: TERRA ANTICA CERAMIC TILE COLOR: ROSSO TA02 SIZE: 18"x18" OR 12"x12" GROUT: CUSTOM #95 SABLE BROWN

WALL FINISHES

SYM	DESCRIPTION	ALTERNATE / NOTES.
P-1	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW7069 IRON ORE (DK. GREY) PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (PAINT FOR CL-1)	
P-2	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW6657 "AMBER WAVE" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (ORANGE)	P-2 MFR.: SHERWIN WILLIAMS TYPE: SEMI-GLOSS LATEX COLOR: SW6657 "AMBER WAVE" RESTROOMS NOTE: HIGH-GLOSS DOOR FRAMES
P-3	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW6510 "LOYAL BLUE" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (BLUE)	
P-5	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW 6839 "KIMONO VIOLET" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC	
P-6	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW 6167 "GARDEN GATE" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC	
P-8	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL ENAMEL COLOR: SW6116 "TATAMI TAN" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC	
P-9	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL ENAMEL COLOR: SW6108 "LATTE" PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC	
S-1	MFR.: WILSONART TYPE: SOLID SURFACE COLOR: AVALANCHE MELANGE #9175ML	
TM-1	MFR.: OLYMPIC PREMIUM WOOD STAIN TYPE: CHAIR RAIL COLOR: "AMERICAN CHERRY"	TM-1 MFR.: DALYS WOOD STAIN TYPE: CHAIR RAIL COLOR: DALYS #45 1 x 2 SOLID MAPLE
TM-2	MFR.: SCHLUTER TYPE: RONDEC RO80AE 3/8" TILE EDGE TRIM COLOR: SATIN ANNODIZED ALUMINUM	
WT-1	MFR.: NOT USED TYPE: COLOR:	
WT-2	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 12"X12" AT RESTROOMS GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DALTILE TYPE: 12"X24" FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 12"X12" AT RESTROOMS GROUT: MAPEI #06 "HARVEST" NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL
WT-4	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 12"X24" AT DINING RM. GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DALTILE TYPE: 12"X24" FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 12"X24" AT DINING RM. GROUT: MAPEI #06 "HARVEST" NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL
WT-5	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 3"X12" BULLNOSE GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DALTILE TYPE: FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 3"X12" SHAPE NUMBER P-43C9 GROUT: MAPEI #06 "HARVEST" NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL

LAMINATES

SYM	DESCRIPTION	ALTERNATE/ NOTE
WC-4	MFR.: FORBO TYPE: MARMOLEUM COLOR: 3141 HIMALAYA	ANODIZED CORNER GUARDS AND J-MOLDS BY NATIONAL METAL SHAPES (DARK BRONZE). INTERMEDIATE VERTICAL TRIM BY DECOR VENDORS PAINTED SAME COLOR AS WALL PANEL.
WC-5	MFR.: FORBO TYPE: MARMOLEUM COLOR: 173 PAVING	ANODIZED CORNER GUARDS AND J-MOLDS BY NATIONAL METAL SHAPES (DARK BRONZE). INTERMEDIATE VERTICAL TRIM BY DECOR VENDORS PAINTED SAME COLOR AS WALL PANEL.
FRP-1	MFR.: MARLITE TYPE: FIBERGLASS REINFORCED PANEL COLOR: FP-100 WHITE (PEBBLED FINISH) NOTE: NO COLOR VARIATIONS ACCEPTED	

CEILINGS

⬭	DESCRIPTION	ALTERNATE / NOTE
CL-1	MFR.: CERTAINTEED TYPE: VINYLROCK #1140, WASHABLE NON-PERFORATED, 24"x48"X1/2" COLOR: WHITE GRID: WHITE SUSPENSION GRID W/ ALUMINUM FACE NOTE: FLAME SPREAD RATING 0-25, CLASS A	MFR.: US GYPSUM CO. TYPE: CLIMAPLUS LAY-IN CEILING PANEL COLOR: FLAT WHITE #050, VINYL 3270 NOTE: 24"x48" NOTE: SEE SPECIFICATIONS
CL-2	MFR.: TYPE: GYPSUM BOARD COLOR:	
CL-3	MFR.: USG SUSPENDED CEILING TILE TYPE: 414, FROST, 24x24x1/2" COLOR: FLAT BLACK #205 GRID: ARMSTRONG PRELUDE XL 15/16" EXPOSED TEE COLOR: PRE-PAINTED BLACK	* GRID, VENTS, SPEAKERS TO BE FACTORY PAINTED WITH BLACK

WALL BASE

SYM	DESCRIPTION	ALTERNATE / NOTE
B-1	MFR.: CREATIVE MATERIALS CORP TYPE: DURAQUARRY #Q3565 COLOR: RED TO MATCH T-1 SIZE: 5" x 6" GROUT: CMC #H141 FLASH WALNUT	MFR.: AMERICAN OLEAN TYPE: QUARRY #Q01 COLOR: RED TO MATCH T-1 SIZE: 5" x 6" GROUT: #95 SABLE BROWN - NON EPOXY
B-2	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE ANTIQUE COLOR: SUNSET SIZE: 6"x12" COVED BASE GROUT: CMC #H141 FLASH WALNUT	MFR.: DAL TILE TYPE: TERRA ANTICA CERAMIC TILE COLOR: ROSSO TA-02 SIZE: 6"x12" COVED BASE GROUT: CUSTOM #95 SABLE BROWN
		**DURA-FLEX ALTERNATE TILE WITH INTEGRAL BASE MUST BE APPROVED BY ARCHITECT AND CHARTER FOODS, NO ADDITIONAL BASE IS REQUIRED.

MILLWORK

SYM	DESCRIPTION	ALTERNATE / NOTE
PL-1	MFR.: NEVAMAR TYPE: WM-8-350T COLOR: CARMEL SAGAWOOD	

DOORS

SYM	DESCRIPTION	ALTERNATE/ NOTE
DL-1	MFR.: NEVAMAR TYPE: WM-8-350T COLOR: CARMEL SAGAWOOD	* DOOR EDGES SHALL BE FINISHED SIMILAR TO FACES
DL-2	MFR.: BOBRICK TYPE: SIERRA SERIES 1090 COLOR: SC03 "TERRA COTTA" SOLID COLOR REINFORCED COMPOSITE	
DL-3	MFR.: NEVAMAR TYPE: S7027T COLOR: SMOKY WHITE * DOOR EDGES SHALL BE FINISHED SIMILAR TO FACES	ALTERNATE : FORMICA 933-58 MISSION WHITE

ROOM FINISH NOTES — D

1. INSTALL FRP ON KITCHEN SIDE OF SERVING COUNTER WALL.
2. GALV STEEL WALL AND CEILING FINISHES BY WIC / WIF BOX MFR.
3. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF TILE AND FRP.
4. FOR FINISH LOCATIONS REFER TO:
   SHEETS A4.0 & A4.1 - EXTERIOR ELEVATIONS
   SHEET A7.0 - FLOOR FINISH PLAN
   SHEET A7.1 - REFLECTED CEILING PLAN
   SHEETS A8.0 TO A8.3 - INTERIOR ELEVATIONS
5. APPROVED PAINT MANUFACTURERS:
   PORTER, BENJAMIN MOORE, SHERWIN WILLIAMS, ICI, & PITTSBURGH PAINTS.
   MATCH SPECIFIED SCHEDULE COLORS EXACTLY.
6. ALL PAINTED GYPSUM BOARD SHALL HAVE A LIGHT ORANGE PEEL TEXTURE
7. ALL MORTAR SHALL BE MIXED WITH WHITE SAND TO INSURE A COLOR CONSISTENT TO THE ORIGINAL DESIGN INTENT

CONTACTS — C

MARLITE
DAN EGBERS
330-343-6621
WWW.MARLITE.COM

WILSONART INTERNATIONAL, INC.
DAN CHICKVARA
254-207-2130
CHICKV@WILSONART.COM

SHERWIN WILLIAMS
BRAD HARRINGTON
216-341-5553 EXT. 115
CELL: 216-210-2723
BRAD.E.HARRINGTON@SHERWIN.COM

FORBO
DAVE BOLINGER
614-583-8504
CELL: 1-614-439-7343
FAX: 1-614-583-8504
DAVE.BOLINGER@FORBO.COM

NATIONAL METAL SHAPES
Russel Day
800-837-9559

TILE:

CREATIVE MATERIALS CORP.
PH: 800.207.2967 EXT BELL (2355)
FAX: 518.452.9153
TACOBELLTILE@CREATIVEMATERIALSCORP.COM

CROSSVILLE TILE
MONICA FARLEY
714.501.7693
MFARLEY@CROSSVILLEINC.COM

ROCA TILE GROUP
CHRISTINA DORDAS
708-910.2368
WWW.ROCATILEGROUP.COM
CHRISTINA.DORDAS@US.ROCA.COM

DALTILE
FRED DAVIS
502-423-5456
FRED DAVIS@DALTILE.COM

DAVIS COLORS
(Mortar Pigment)
West: 800-356-4848
East: 800-638-4444

ROOM FINISH SCHEDULE LEGEND — A

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

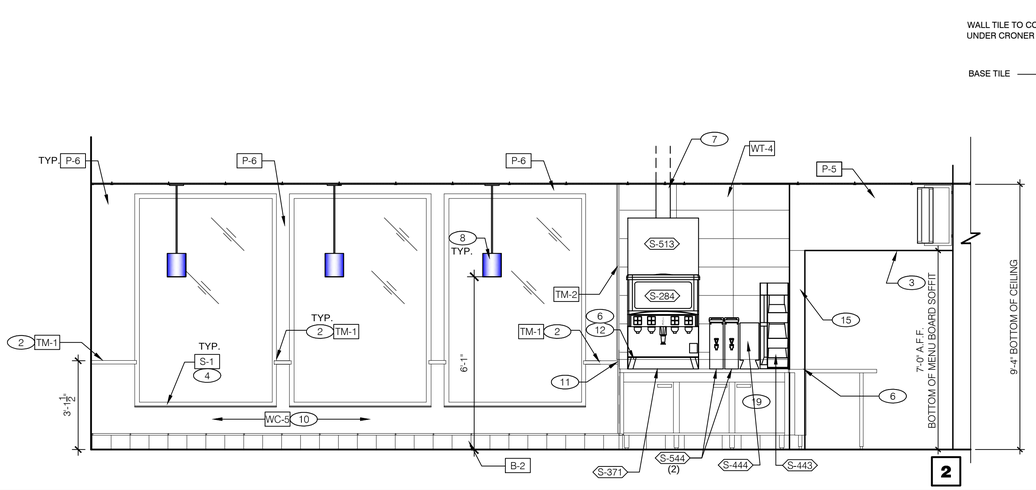
TACO BELL
770 National Road
Wheeling, WV 26003

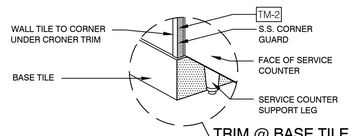
LIVE MAS
MEDIUM 40

FINISH SCHEDULE

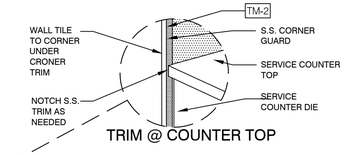
A7.2

PERMIT PLOT DATE:

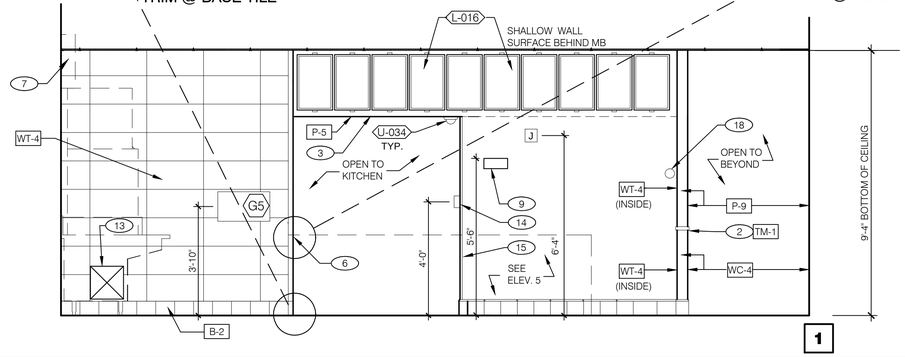




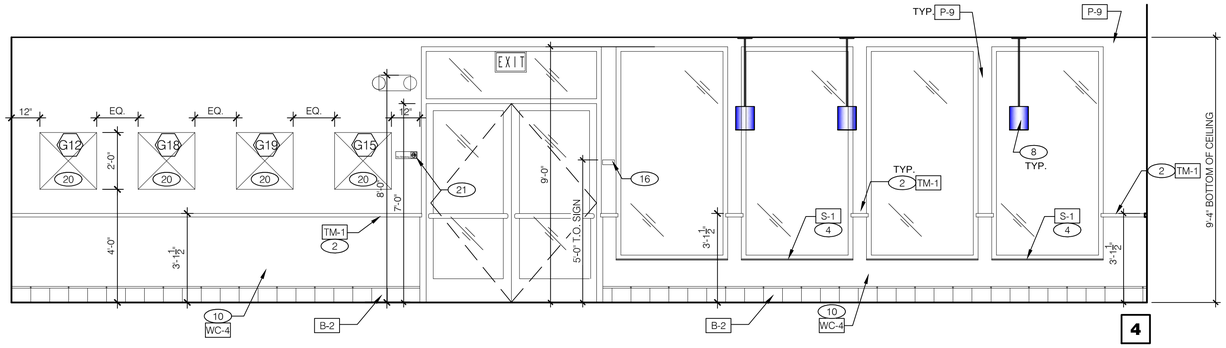
TRIM @ BASE TILE

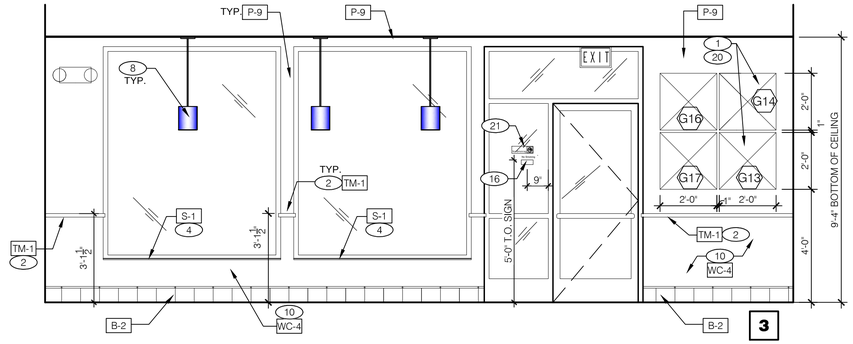


TRIM @ COUNTER TOP

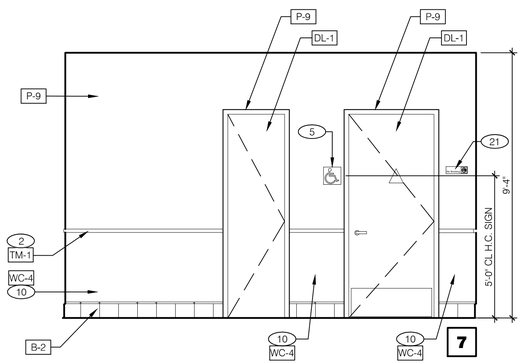


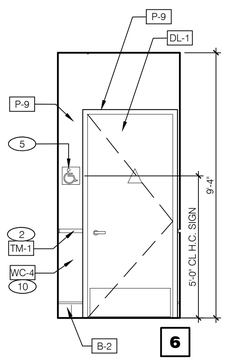
DINING 3/8"=1'-0"



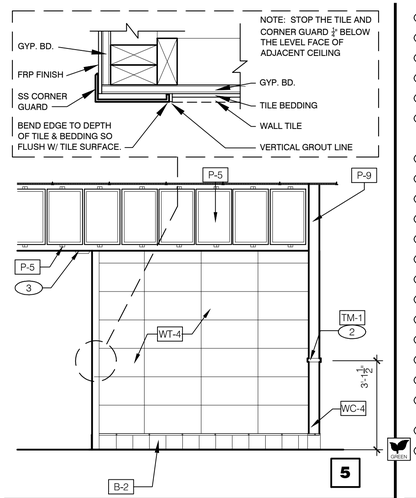


DINING 3/8"=1'-0"





PASSAGE 3/8" = 1'-0"



TILE BEHIND COUNTER 3/8"=1'-0"

KEY NOTES

1	FOR ARTWORK DESCRIPTION, REFER TO ARTWORK SCHEDULE ON SHEET A2.0.
2	CHAIR RAIL. REFER TO DETAIL 18/A6.3.
3	MENUBOARD BULKHEAD.
4	WINDOW SILL.
5	H.C. SIGNAGE
6	PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS / EQUIPMENT ABUT WALL SURFACES. WHERE GAP BETWEEN WALL AND COUNTER SPLASH / EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE.
7	6" X6" 18 GAUGE STAINLESS STEEL CHASE.
8	DROP PENDANT LIGHT FIXTURE. SEE SCOPE OF WORK AND SHEET E4.0.
9	"PLEASE ASK IF YOU NEED ASSISTANCE" SIGN. SMALLWARE PACKAGE.
10	REFER TO 13, 14 & 17/A6.3 FOR WAINSCOT INSTALLATION.
11	START CHAIR RAIL. SEE SHT. A1.0 FOR DIMENSIONS.
12	OMIT CHAIR RAIL BEHIND DRINK STATION.
13	OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE 11/A6.4 AND SHEET A1.0.
14	SECURITY SYSTEM KEYPAD, SEE E5.0.
15	SS CORNER/ END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3 & 5/A8.0.
16	INSTALL TACTILE "EXIT" SIGN AT 5'-0" TO TOP.
17	NOT USED.
18	TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.
19	BOTTOM OF BEVERAGE AND ICE DISPENSING LEVERS SHALL BE NO HIGHER THAN 42" A.F.F.
20	24"x24" ART PANELS.
21	NO SMOKING SIGN.

KEY NOTES | **A**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

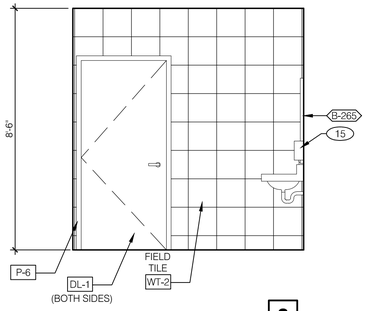
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

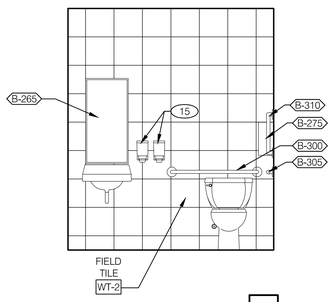
INTERIOR ELEVATIONS DINING ROOM

A8.0

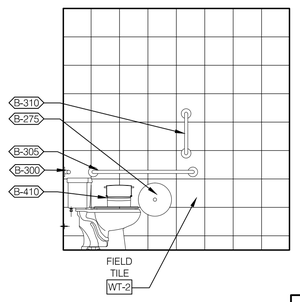
PERMIT PLOT DATE:



3

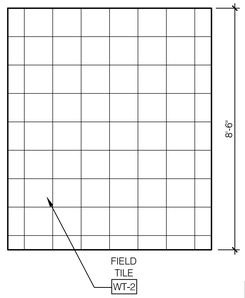


2



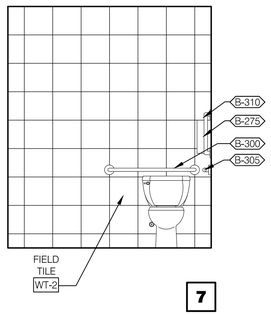
1

WOMEN'S RESTROOM 3/8"=1'-0"

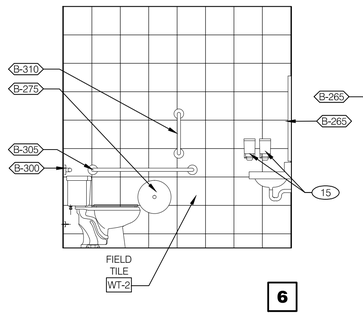


4

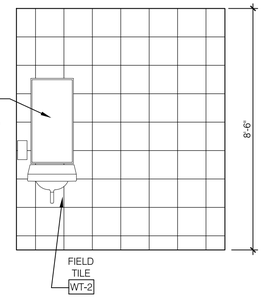
WOMEN'S RESTROOM 3/8"=1'-0"



7

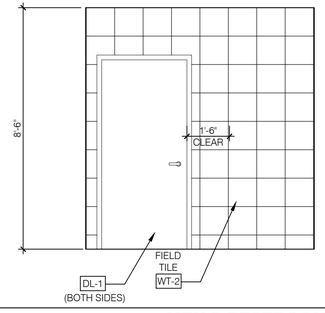


6



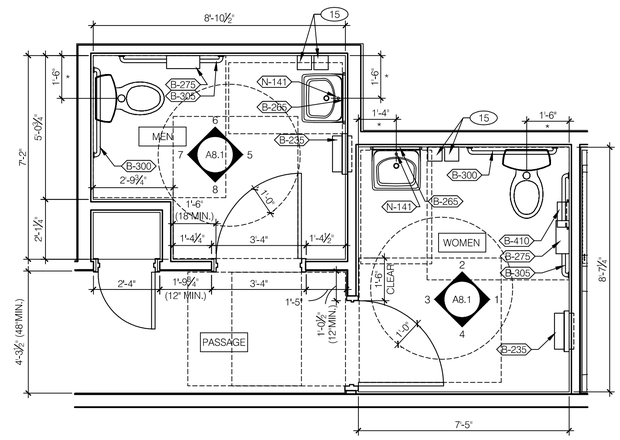
5

MEN'S RESTROOM 3/8"=1'-0"



8

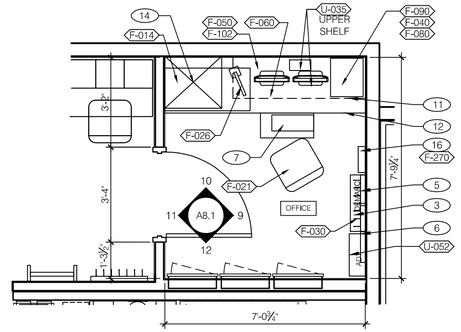
MEN'S RESTROOM 3/8"=1'-0"

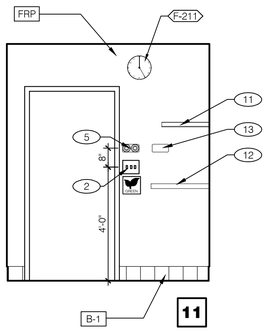


1. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.
3. REFER TO FLOOR PLAN NOTES FOR BLOCKING AND SUBSTRATE NOTES.
4. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
5. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
6. FOR ⬡ DESCRIPTIONS, REFER TO ARTWORK SCHEDULE ON SHEET A2.0.
7. PROVIDE 1/4" MAX GAP AT ALL TOILET PARTITION JOINTS.

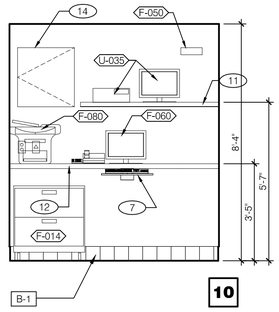
* ABSOLUTE DIMENSION

ENLARGED RESTROOM / GENERAL NOTES 3/8"=1'-0" **A**

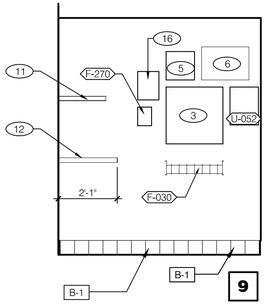




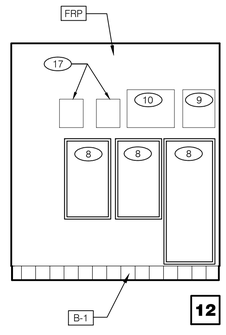
11



10



9



12

1. THERMOSTATS
2. LIGHTING CONTROL RELAY SWITCHES. SEE DETAIL 3/E3.1
3. TELEPHONE TERMINAL BOARD
4. NOT USED
5. 12" X 12" PHONE DISTRIBUTION BOX: OWNER PROVIDED & INSTALLED.
6. WIRING CABINET BY POS PROVIDER.
7. UNDER COUNTER KEYBOARD TRAY.
8. ELECTRIC PANELS.
9. FAN & LIGHT CONTROL BOX; REF SHEET E6.0
10. EXTERIOR LIGHTING CONTROL PANEL (GREEN GATE).
11. SHELF BY G.C.- FINISH WITH PLASTIC LAMINATE DL-3.
12. COUNTER BY G.C. - FINISH WITH PLASTIC LAMINATE DL-3.
13. SMOKE DETECTOR WITH RESET SWITCH.
14. TECH-IN-A-BOX: REFER TO E3.1. G.C. TO PROVIDE BLOCKING WHERE REQUIRED.
15. HAND SOAP / SANITIZER DISPENSOR - PROVIDED BY ECO LAB.
16. IRRIGATION CONTROL BOX.
17. FAN MOTOR STARTERS, SURFACE MOUNTED. TYP. OF 2.

OFFICE PLAN & ELEVATIONS / KEY NOTES 3/8"=1'-0" **B**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

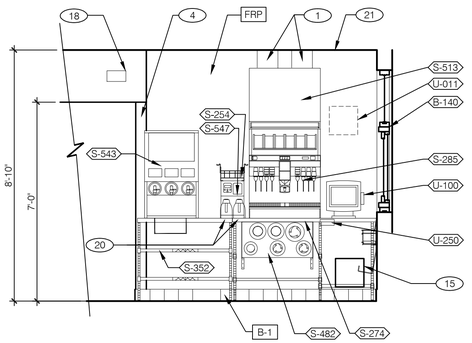
LIVE MAS

MEDIUM 40

INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN

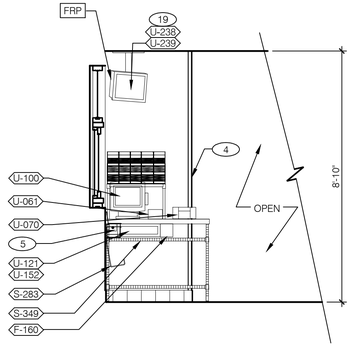
A8.1

PERMIT PLOT DATE:



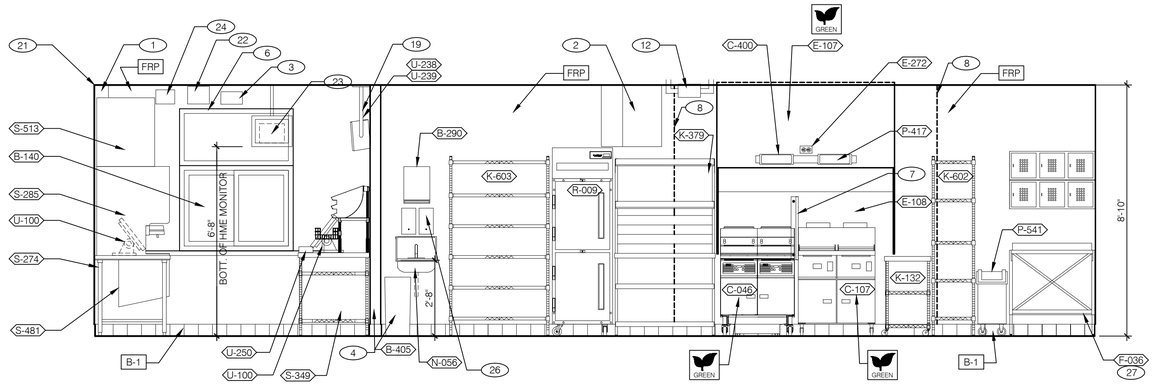
4

DRIVE-THRU 3/8" = 1'-0"



3

DRIVE-THRU 3/8" = 1'-0"

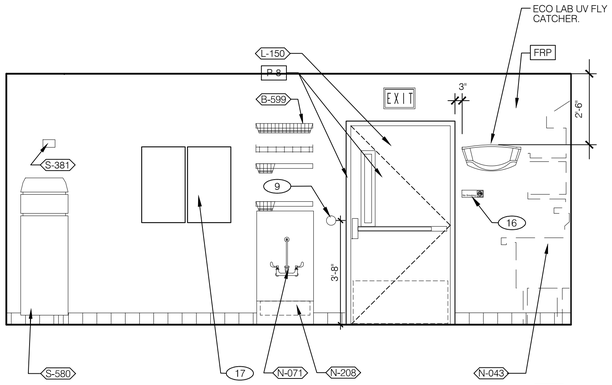


2

DRIVE-THRU 3/8" = 1'-0"

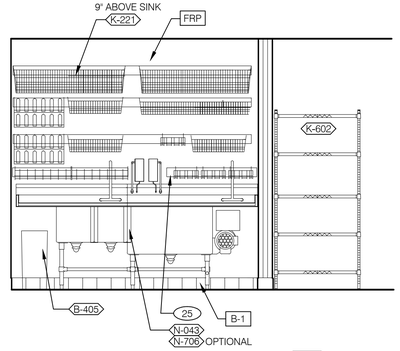
1

TB COOK 3/8" = 1'-0"



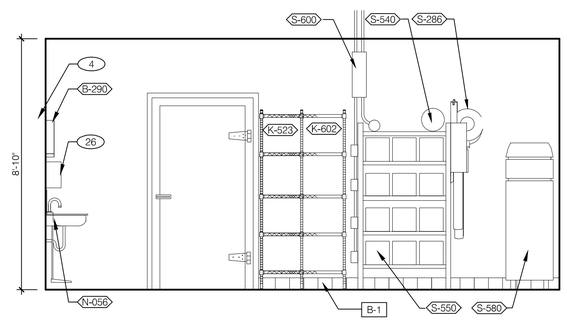
8

UTILITY 3/8" = 1'-0"



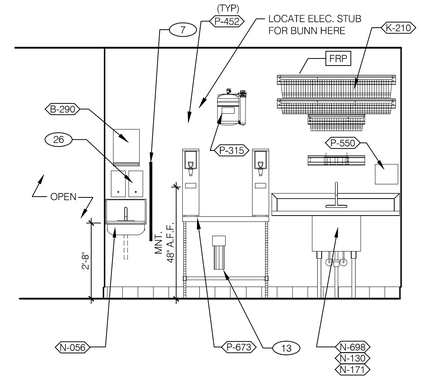
7

WARE WASHING 3/8" = 1'-0"



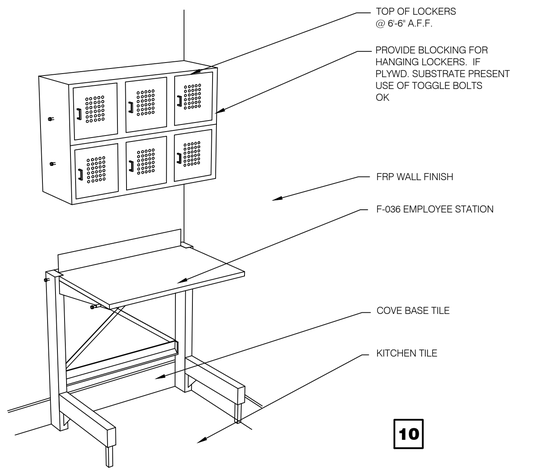
6

UTILITY 3/8" = 1'-0"



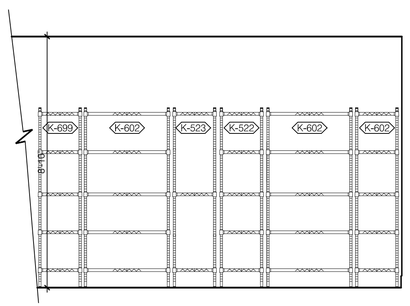
5

WARE WASHING 3/8" = 1'-0"



10

WORKSTATION NTS



9

DRY STORAGE 3/8" = 1'-0"

1. STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES. SEE DETAIL 19/A6.4
2. ANSUL CABINET.
3. DRIVE-THRU TIMER DISPLAY UNIT.
4. SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 19/A6.3.
5. HOLD-UP BUTTON.
6. SS CORNER GUARDS AT PERIMETER OF D/T WINDOW. SEE DETAILS 5 & 8/A6.1 AND SCOPE OF WORK FOR RESPONSIBILITIES.
7. SPLASHGUARD. SEE DETAIL 9/A6.3.
8. EDGE OF SS PANEL BEHIND HOOD.
9. ANSUL PULL STATION.
10. J-BOX AND OUTLET INCLUDED WITH HOOD. INSET WITH FLUSH WITH FACE OF HOOD.
11. 20 GA. STAINLESS STEEL PANEL BEHIND HOOD.
12. GAS SHUT-OFF VALVE.
13. FILTER FOR HOT WATER SYSTEM.
14. NOT USED.
15. OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL 11/A6.4.
16. NO SMOKING SIGN.
17. TANKLESS WATER HEATER - SEE PLUMBING
18. ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
19. CEILING MOUNT MONITOR BRACKET. SEE DETAIL 2/A6.3.
20. ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.
21. RAISE INDICATED SECTION OF CEILING TO 8'-10". SEE SHEET A7.1.
22. DT TIMER SIGNAL PROCESSOR.
23. DT TIMER MONITOR AND CONTROL UNIT.
24. DT TIMER ETNERNET SWITCH.
25. CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK&CLEAN SYSTEM
26. SOAP / HAND SANITIZER DISPENSER - BY ECOLAB.
27. EMPLOYEE WORK STATION. REFER TO DETAIL 10 THIS SHEET.

KEY NOTES A

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL

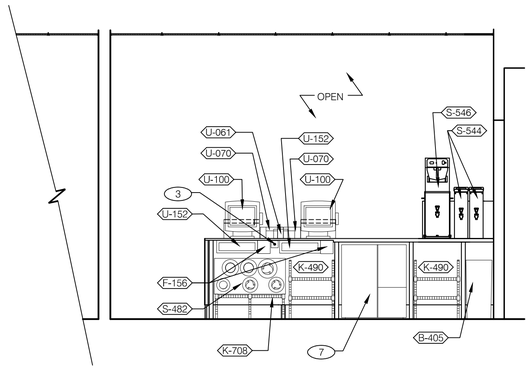
LIVE MAS

MEDIUM 40

INTERIOR ELEVATIONS KITCHEN

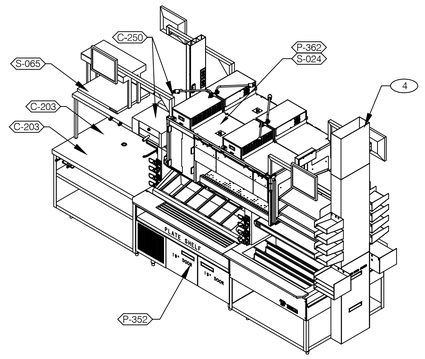
A8.2

PERMIT PLOT DATE:

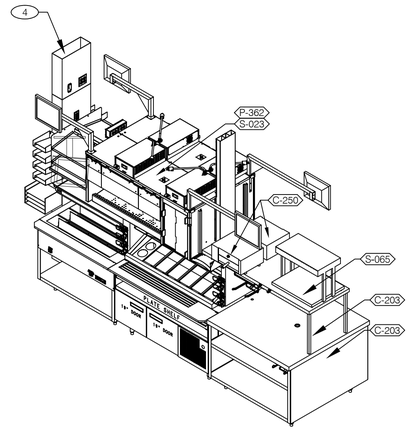


3

SERVING 3/8" = 1'-0"

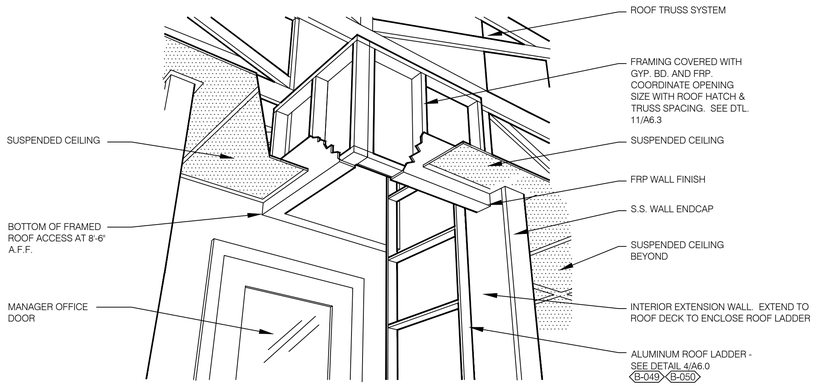


2

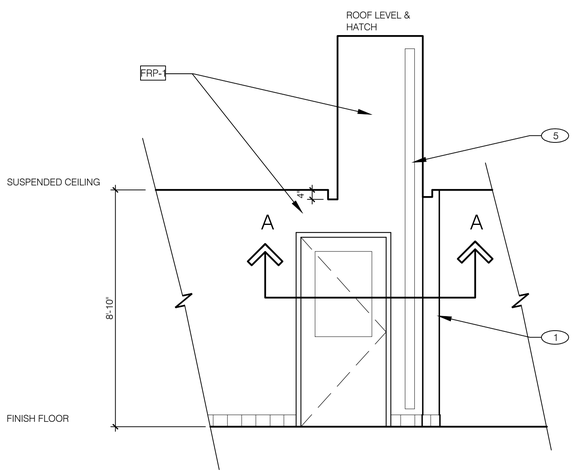


1

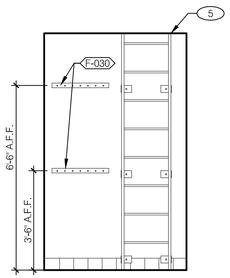
GTO DUAL LINE 3/8" = 1'-0"



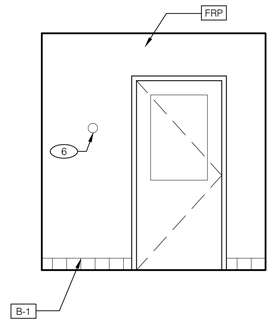
A - ROOF LADDER VIEW



ROOF ACCESS PASSAGEWAY N.T.S. **B**



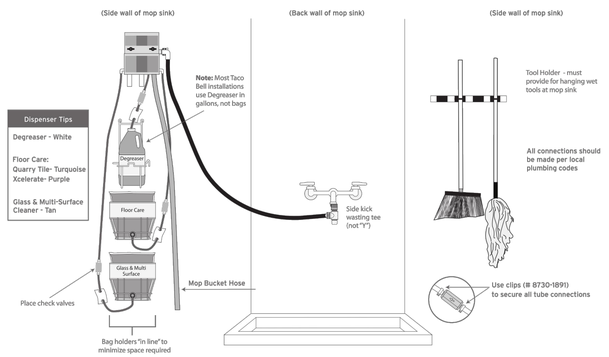
5



4

EMPLOYEE / STORAGE 3/8" = 1'-0"

Taco Bell Mop Sink Installation



INSTALL IN ACCORDANCE WITH STATE AND LOCAL PLUMBING CODES.
In states or municipalities requiring dedicated or hard-plumbed water lines, the dispensing unit at the 3-compartment sink must be connected to a "TEMPERED" water source. This may require the installation of a mixing/tempering valve.

ECOLAB® Kay Chemical Company
8300 Capital Dr'ive
Greensboro, NC 27409-9790, USA
800.529.5458

QSR 44480/B000/1012

MOP SINK INSTALLATION **C**

1. SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
2. NOT USED
3. HOLD-UP BUTTON
4. UTILITY CHASE.
5. ROOF LADDER. SEE 7/A6.0.
6. TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.
7. SAFE ON CEMENT BOARD BASE - INSTALLATION BY BRINKS

KEY NOTES **A**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M DAY
4599
REGISTERED ARCHITECT
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

LIVE MAS

MEDIUM 40

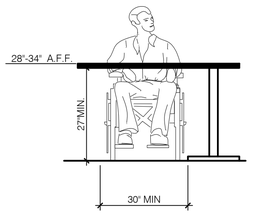
INTERIOR ELEVATIONS KITCHEN

A8.3

PERMIT PLOT DATE:

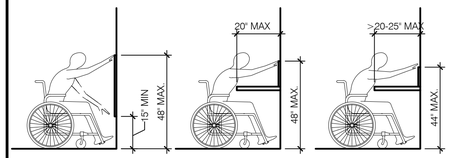
TOTAL SEATS	ACCESSIBLE SEATS
1 - 20	1
21 - 40	2
41 - 60	3
61 - 80	4
81 - 100	5
101 - 120	6
121 - 140	7

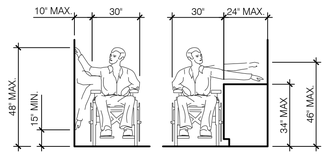
NUMBER OF ACCESSIBLE SEATS



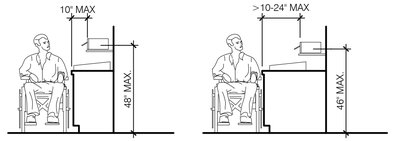
ELEVATION

SEATING AND TABLES N.T.S. **18**





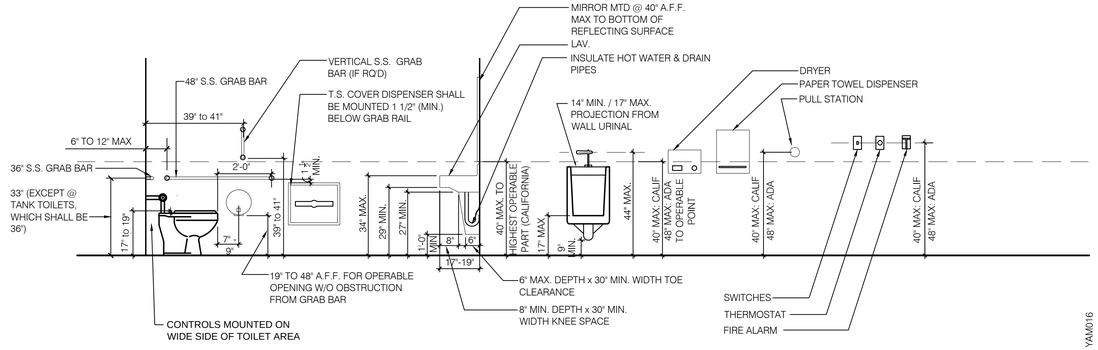
EXAMPLE: DRINK MACHINE, ETC.



CONDIMENTS

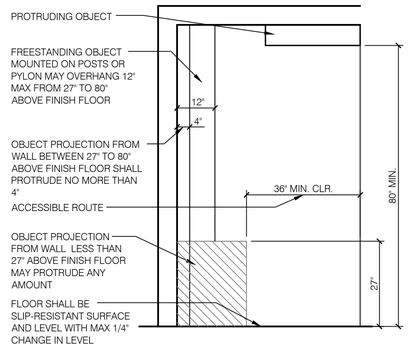
REACH RANGES N.T.S. **14**

NOTES:
1. TOP OF GRIPPING SURFACE 33" TO 36" MAX TO THE TOP OF THE BAR. SEE NOTES BELOW
2. 12" MINIMUM CLEAR ABOVE GRAB BAR

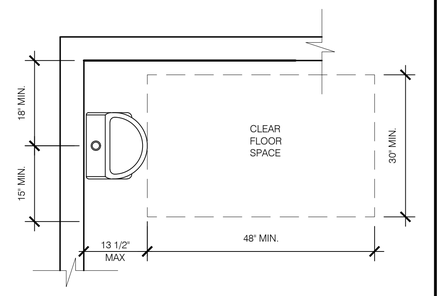


YAM016

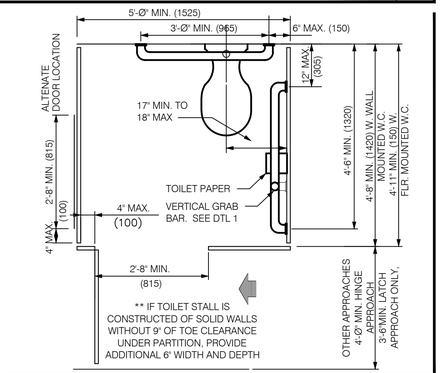
MOUNTING HTS. & CLEARANCES FOR ACCESSIBILITY BY THE DISABLED N.T.S. **1**



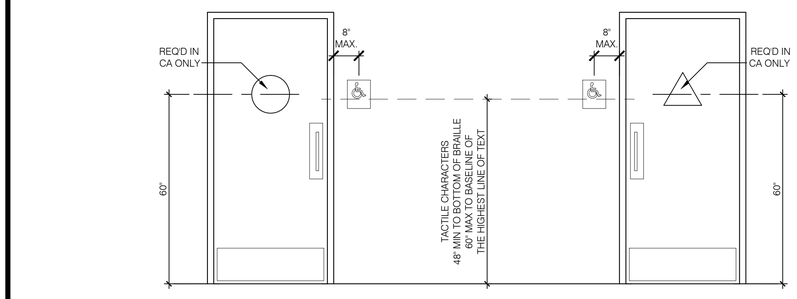
INT. ACCESS. ROUTE CLEARANCES 1/2" = 1'-0" **10**



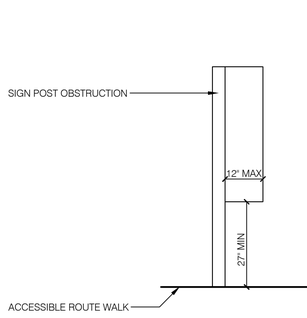
ACCESSIBLE URINAL 3/4" =1'-0" **6**



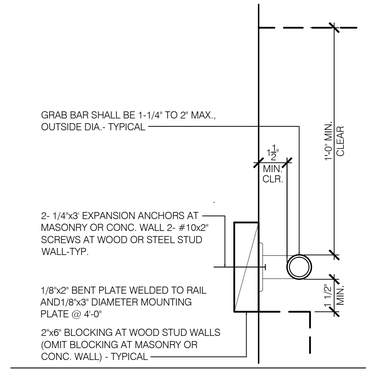
STANDARD TOILET STALL N.T.S. **2**



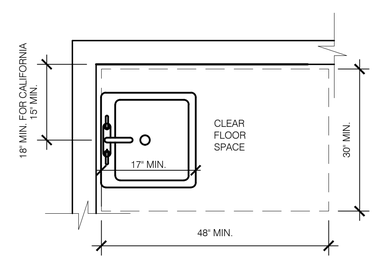
ACCESSIBLE RESTROOM DOORS N.T.S. **15**



PROTRUDING HAZARDS 1/2" = 1'-0" **11**

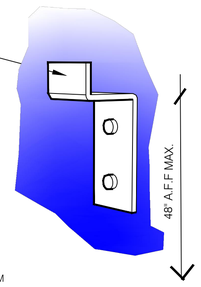


GRAB BAR 3" - 1'-0" **7**



ACCESSIBLE LAVATORY 3/4"=1'-0" **3**

MOUNT COAT HOOK ON INSIDE OF TOILET STALL DOOR



BOBRICK OR CHRISTY COMMERCIAL HARDWARE & SUPPLY WAREHOUSE #039-6529 OR SIMILAR ADA COMPLIANT HOOK.

CHRISTYHARDWARE.COM
877-544-5400

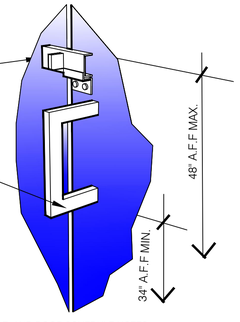
NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

COAT HOOK N.T.S. **20**

REINFORCED S.S. LATCH WITH THROUGH BOLTED KEEPER. ADA COMPLIANT

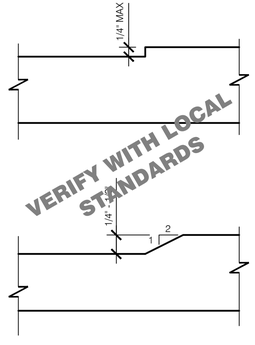
S.S. PULL (BOTH SIDES) ON ALL ACCESSIBLE TOILET STALLS. MOUNT PULLS BELOW LATCH AND KEEPER.

NOTE: DOOR HOOKS SHALL BE PLACED IN ACCESSIBLE STALLS BETWEEN 40" MIN TO 48" MAX ABOVE FINISH FLOOR

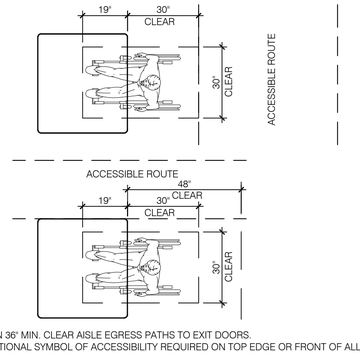


NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

PARTITION DOOR LATCH @ PULL **16**



CHANGES IN LEVEL N.T.S. **12**



NOTE:
1. MAINTAIN 36" MIN. CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY REQUIRED ON TOP EDGE OR FRONT OF ALL ACCESSIBLE TABLES.

DINING ROOM 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.

   THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.

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 FXTR 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

GENERAL NOTES **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

KATHLEEN M. DAY
4599
REGISTERED
STATE OF WEST VIRGINIA
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

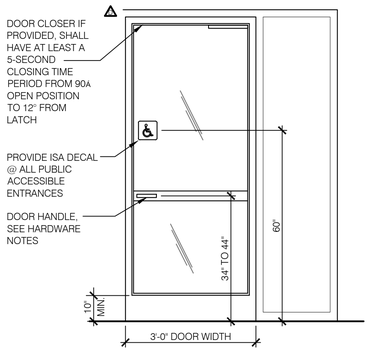
TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

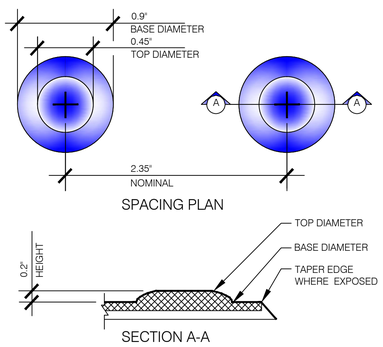
ACCESSIBILITY REQUIREMENTS

ADA1.0

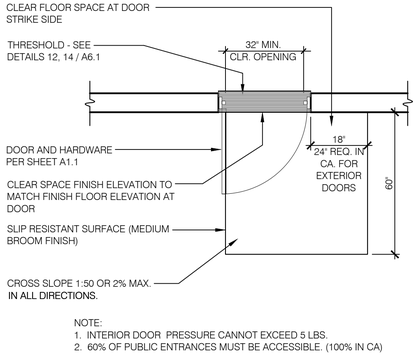
PERMIT PLOT DATE:



TYP. ENTRANCE / EXIT DOOR N.T.S. **17**

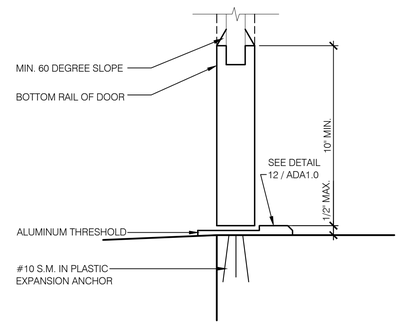


TRUNCATED DOMES N.T.S. **18**

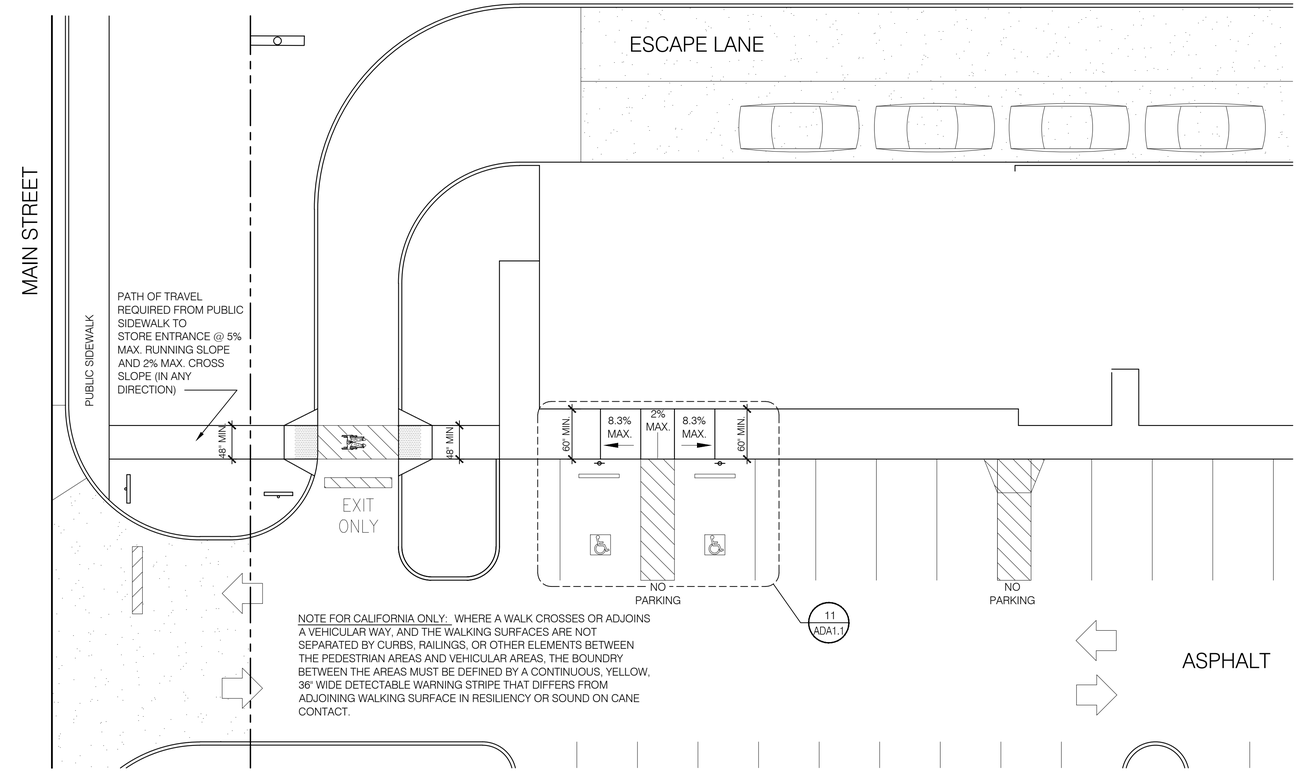


NOTE:
1. INTERIOR DOOR PRESSURE CANNOT EXCEED 5 LBS.
2. 60% OF PUBLIC ENTRANCES MUST BE ACCESSIBLE. (100% IN CA)

EXTERIOR DOOR REQUIREMENTS 1/2" = 1'-0" **13**



BOTTOM RAIL (EXTERIOR DOOR) 3" = 1'-0" **14**

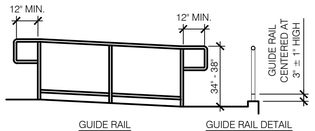


NOTE FOR CALIFORNIA ONLY: WHERE A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS, OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDRY BETWEEN THE AREAS MUST BE DEFINED BY A CONTINUOUS, YELLOW, 36" WIDE DETECTABLE WARNING STRIPE THAT DIFFERS FROM ADJOINING WALKING SURFACE IN RESILIENCY OR SOUND ON CANE CONTACT.

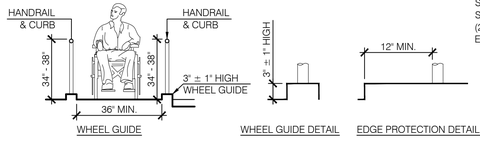
EXTERIOR PATH OF TRAVEL N.T.S. **2**

KEY NOTES

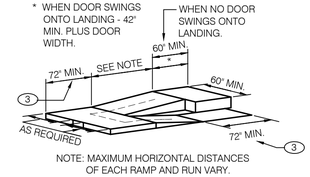
1. WHEN DOOR SWINGS ONTO LANDING 42" MIN. PLUS DOOR WIDTH
2. MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP & RUN VARY
3. 72" FOR CALIFORNIA & 60" FOR REST OF COUNTRY
4. HANDRAILS NOT REQUIRED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN 1:20.



GUIDE RAIL GUIDE RAIL DETAIL

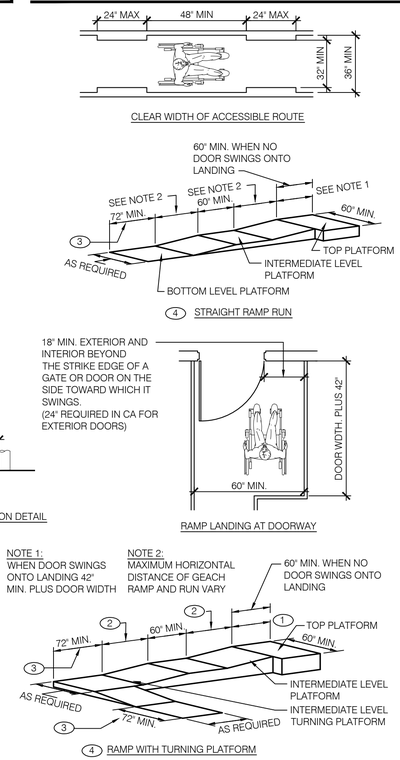


WHEEL GUIDE WHEEL GUIDE DETAIL EDGE PROTECTION DETAIL



NOTE: MAXIMUM HORIZONTAL DISTANCES OF EACH RAMP AND RUN VARY.

4 RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM

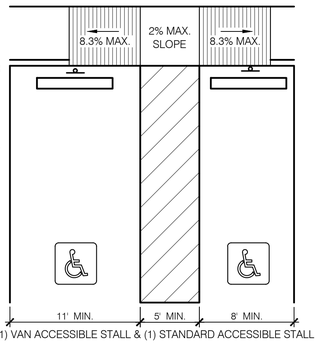


RAMPS N.T.S. **16**

NOTE: 1:6 VAN ACCESSIBLE SPACES ARE REQUIRED. AISLE MUST BE ON PASSENGER SIDE ONLY.

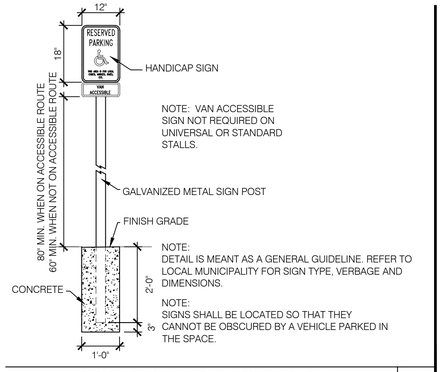
NOTE: ADHERE TO LOCAL OR STATE MUNICIPALITY IF MORE RESTRICTIVE.

NOTE: PROVIDE WHEEL STOP WHERE SIDEWALK IS LESS THAN 6'-0" WIDE

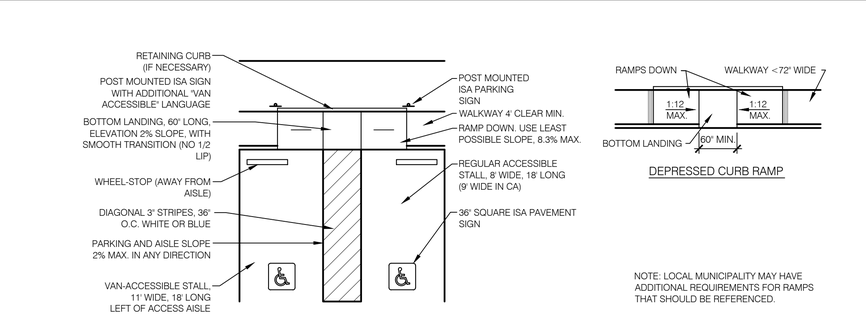


(1) VAN ACCESSIBLE STALL & (1) STANDARD ACCESSIBLE STALL

ACCESSIBLE PARKING STALL N.T.S. **11**



ACCESSIBLE PARKING SIGN N.T.S. **12**

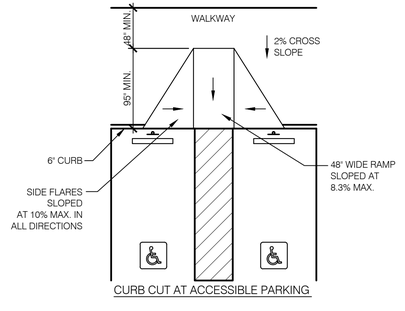


DEPRESSED CURB RAMP AT ACCESSIBLE PARKING (TYP.)

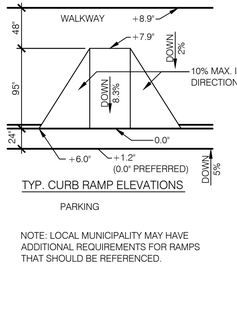
DEPRESSED CURB RAMP

NOTE: LOCAL MUNICIPALITY MAY HAVE ADDITIONAL REQUIREMENTS FOR RAMPS THAT SHOULD BE REFERENCED.

CURB RAMPS N.T.S. **3**



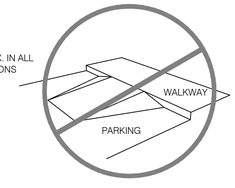
CURB CUT AT ACCESSIBLE PARKING



TYP. CURB RAMP ELEVATIONS

PARKING

NOTE: LOCAL MUNICIPALITY MAY HAVE ADDITIONAL REQUIREMENTS FOR RAMPS THAT SHOULD BE REFERENCED.



CURB RAMPS NOT ALLOWED

CURB RAMPS N.T.S. **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

STATE OF WEST VIRGINIA
KATHLEEN M. DAY
4599
REGISTERED
01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

ACCESSIBILITY REQUIREMENTS

ADA1.1

PERMIT PLOT DATE:

GENERAL:

1. LOCATE, CUT AND FRAME ROOF OPENINGS AS SHOWN FOR ALL HVAC EQUIPMENT AND EXHAUST FANS.
2. 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 THE KITCHEN EQUIPMENT.
3. PROVIDE ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILING.

HVAC:

1. INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NONRESIDENTIAL BUILDINGS.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
3. OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
4. E.C. SHALL PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES, AND FINAL CONNECTIONS. M.C. SHALL PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS.
5. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMINTED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS.
6. FOR INSTALLATION OF RECHARGEABLE REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF, SEE SCOPE OF WORK.
7. HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
8. ALL SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED.
9. ALL SUPPLY / RETURN DUCTS SHALL BE RIGID, WITH THE EXCEPTION OF THE LAST 14'-0", WHICH MAY BE FLEX.
10. SMOKE DETECTOR SHALL BE INSTALLED IN THE RETURN AIR DUCT, PRIOR TO ANY OUTSIDE AIR CONNECTIONS, AND SHALL DEACTIVATE ROOFTOP UNIT UPON SENSING SMOKE. INCLUDE SMOKE DETECTOR IN THE SUPPLY AIR DUCT ONLY IF REQUIRED BY LOCAL CODE.
11. ALL 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. SEE 15/M4.0.
12. ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT TAKEOFFS FOR AIR BALANCING. PROVIDE ACCESS PANELS TO DAMPERS. SEE 8/M4.0.
13. ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
14. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR VENTS.
15. SEE 8/M1.0 AND SCOPE OF WORK FOR DESCRIPTION OF HVAC PACKAGE TO BE PURCHASED THROUGH YUM! BRANDS NATIONAL CONTRACT.
16. FINAL HVAC SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENT'S ARRIVAL, EQUIPMENT NOT WIRED, 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 FOR SAME SHALL BE ALSO INCURRED BY THE GENERAL CONTRACTOR.
17. HONEYWELL THERMOSTAT & TEMP SENSOR, PROVIDED WITH TRANE PACKAGE. USE T-CONT 802 WITH RTUS W/O DE-HUMIDICATION. USE T-CONT 803 WITH RTUS W/ RTUS W/ DE-HUMIDIFICATION. JOHNSON CONTROLS THERMOSTAT MODEL TEC2664Z, AND JOHNSON CONTROLS REMOTE THERMOSTAT MODEL TEC2647Z-3+PIR, PROVIDE WITH YORK PACKAGE
18. TRANE DUCT MOUNTED HUMIDITY SENSOR MODEL #BAYSENS037A, PROVIDED WITH TRANE PACKAGE. YORK HUMIDISTAT MODEL #2DH04700024, PROVIDED WITH YORK PACKAGE.

GREEN

GENERAL NOTES 10

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
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
FC	FLEXIBLE CONNECTION
MVD	MANUAL VOLUME DAMPER
FD	FIRE DAMPER
(L)	DUCT LINING (1" THICK UNLESS OTHERWISE NOTED)
	SINGLE LINE DUCT BRANCH TAKEOFF
	DUCT TRANSITION (RECTANGULAR TO ROUND)
FLEX	FLEXIBLE DUCT (14'-0 MAXIMUM)
T	T-STAT
TS	THERMOSTAT SENSOR (REMOTE), PROIVDED WITH TRANE PACKAGE.
H	HUMIDITY SENSOR (REMOTE), PROVIDED WITH TRANE PACKAGE.
D	CONDENSATE DRAIN
Ø	DIA. DIAMETER
DL	DOOR LOUVER
UC	DOOR UNDERCUT (3/4" MINIMUM)
X-X 0000	MECHANICAL EQUIPMENT DESIGNATION
R	RESET SMOKE DETECTOR RESET

SYMBOL & ABBREV.	DESCRIPTION
A/C , AC	AIR CONDITIONING
BDD	BACK DRAFT DAMPER
CB	CIRCUIT BREAKER
CLG.	CEILING
CONN.	CONNECT/CONNECTION
CONT.	CONTINUATION
CONT'R	CONTRACTOR
CFM	CUBIC FEET PER MINUTE
DET.	DETAIL
DISC.	DISCONNECT
DTR	DOWN THRU ROOF
EF	EXHAUST FAN
(E)	EXISTING
GA.	GAGE/GAUGE
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
MFR.	MANUFACTURER
MECH.	MECHANICAL
(N)	NEW
OA/OSA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
S/S	STAINLESS STEEL
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
UTR	UP THRU ROOF

MECHANICAL SYMBOLS 12

XX-XXX MARK	AREA SERVED	FAN DATA: SUPPLY CFM	MIN O.A. CFM	ESP	HP	RPM	COOLING CAPACITY: NOM TONS	MIN CAP (MBH) TOT/SEN	EER	HEATING CAPACITY: INPUT (MBH)	OUTPUT (MBH)	STAGES	AFUE	UNIT ELECT DATA: VOLTS/ PH	MCA	MOPD	MAX UNIT WEIGHT (LBS)	MANUFACTURER AND MODEL NUMBER	REMARKS
RTU-1	DINING	3000	750	0.8"	3.75	1159	7.5	84.5/63.0	12.6	150	120	2	80	208/3	41.9	50	1400	TRANE YHC092F3R	SEE NOTES 1-5,7
RTU-2	KITCHEN	4400	950	1"	3	646	12.5	143.3/111.5	12.5	250	203	2	81	208/3	71	80	2764	TRANE YZD150F3R	SEE NOTES 1-4,6,7

SCHEDULE NOTES:
1. LISTED CAPACITY IS THE STANDARD UNIT'S GROSS COOLING CAPACITY AT 80°F DB / 67°F WB EAT AND 105°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 89°F & 72°F WB, WINTER 1°F (ARI STANDARD CONDITIONS). 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.
2. SPECIFIED RTUS ARE DOWN DISCHARGE PACKAGED GAS / ELECTRIC ROOFTOP UNITS WITH MINUMUM 2-STAGE COOLING. INCLUDES THROUGH THE ROOF CURB POWER, GAS & CONDENSATE DRAIN. GAS PIPING SHALL BE FACTORY PIPED WITH SHUT-OFF OUTSIDE OF UNIT.
3. SPECIFIED UNIT INCLUDES HINGED ACCESS DOORS, 2" PLEATED FILTERS, LOW AMBIENT CONTROL TO 0 DEG. F., MODULATING ECONOMIZER, CIRCUIT BREAKER WITH SINGLE POINT WIRING, HAIL GUARD, AND FACTORY FABRICATED, KNOCK DOWN ROOF CURB.
4. THERMOSTAT AND REMOTE SENSOR PROVIDED WITH HVAC PACKAGE.
5. RTU-1 TO HAVE SINGLE ZONE VAV (SZVAV). SZVAV INCLUDES VARIABLE SPEED EVAPORATOR FAN.
6. RTU-2 TO HAVE EFLEX OPTION. EFLEX INCLUDES VARIABLE SPEED COMPRESSOR, VARIABLE SPEED EVAPORATOR FAN MOTOR & VARIABLE SPEED CONDENSER FAN MOTOR.
7. TRANE EFLEX UNITS TO HAVE STARTUP TESTING PERFORMED BY APPROVED SERVICING CONTRACTOR TO ENSURE PROPER OPERATION OF ECONOMIZER, DISCHARGE AIR LIMITS, SENSORS, ETC. AS RECOMMENDED BY MANUF.

GREEN

HVAC UNIT SCHEDULE 1

XX-XXX MARK	CFM	SP	RPM	HP	ELECT	STARTER	ACCESSORIES: DISC	BDD	BIRD SCREEN	V-BELT	D-DR	MANUFACTURER AND MODEL NUMBER	REMARKS
EF-1	1050	0.9	1344	0.50	120/1	-	X	-	-	-	X	STRATOVENT #SVDU50HFA	SEE NOTES 1,3,5,6,7,8,10
EF-2	570	.375	1025	1/4	120/1	-	X	X	X		X	STRATOVENT #SVDR30HFA	SEE NOTES 2,4,7,8,9,10

REMARKS:
1. UL 762 LISTED (GREASE)
2. UL705 LISTED (HEAT OR STEAM)
3. FLAT ROOF CURB,19.5" X 19.5" X 26"H, VENTED
4. FLAT ROOF CURB, 19.5" X 19.5" X 14"H
5. GREASE CUP WITH DRAIN
6. FACTORY ATTACHED HINGES
7. WEATHERPROOF PRE-WIRED DISCONNECT SWITCH
8. PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER
9. GRAVITY BACKDRAFT DAMPER
10. PROVIDED BY OWNER WITH HOOD PACKAGE

SUPPLY AND EXHAUST FAN SCHEDULE 2

XX-XXX MARK	QUANTITY	NECK SIZE	DIFFUSER FACE OR CEILING GRID SIZE	TYPE: DIFFUSER	REGISTER	GRILL	(NO.) & AIR PATTERN / CFM RANGE	MOUNTING: LAY-IN	SURFACE	DUTY: SUPPLY	RETURN	EXHAUST	MATERIAL: ALUMINUM	STEEL	MANUFACTURER	MODEL NUMBER	REMARKS
S-1	14	15x15	24x24	X			(10)4W, (3) 3W, (1) 2W 0-500			X			X		METAL-AIRE / TITUS	5000-6 / TDC-AA-NT	FRN SQR TO RND ADAPTER
S-3	3	9x9	14x14	X			(3)2W 0-250		X				X		METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SQR TO RND ADAPTER
S-4	4	12	24x24	X			VERT 300-700		X	X			X		HART & COOLEY	RZMCDST	PLASTIC MODULAR CORE
R-1	5	22x22	24x24			X	NO DIREC. 0-2000	X			X		X		METAL-AIRE / TITUS	RHE-6 / 50FF	HINGED / FULLY REMOVABLE FACE
E-1	2	8x8	12X12			X	NO DIREC. 0-200		X			X	X		METAL-AIRE / TITUS	CC5S-1 / 50F	
E-2	1	10X10	24x24			X	NO DIREC. 0-400	X				X			METAL-AIRE / TITUS	CC5-FB-TB / 50F-NT	PROVIDE 2'x2' LAY-IN PANEL

NOTES:
1. DIFFUSERS IN SURFACE MOUNTED CEILINGS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

AIR DEVICE SCHEDULE 3

REFER TO SCOPE OF WORK 15700-1 HVAC FOR TEST & BALANCE & COMMISSIONING REQUIREMENTS WHICH WILL BE SUPPLIED BY THE OWNER AND COORDINATED BY THE GC.

FOR COMPLETE INFORMATION AND PRICING ON THE TRANE HVAC PACKAGE CONTACT MARTY CUSICK, THE YUM! BRANDS ACCOUNT EXECUTIVE AT TRANE NATIONAL ACCOUNTS.
TOLL-FREE PHONE: (866) YUM-HVAC or (866) 986-4822
FAX: (502) 499-7870
EMAIL: mjcusick@trane.com

TACO BELL HAS A NATIONAL HVAC AGREEMENT WITH YORK NATIONAL ACCOUNTS. FOR QUOTES & TECHNICAL SPECIFICATIONS, PLEASE CONTACT MATT MCNAIR, YORK PRODUCT APPLICATION ENGINEER AT 800-481-9738, FAX 866-406-9675, FOR ALL OTHER INQUIRIES, PLEASE CONTACT NATALIE DEROUSSE, YORK NATIONAL ACCOUNT SALES MANAGER AT 405-419-6416.

TRANE AND YORK HAVE AGREED TO SUPPLY AN HVAC PACKAGE CONSISTING OF THE ROOF-TOP UNITS, CURBS, THERMOSTATS, TEMPERATURE SENSORS (REMOTE), AND HUMIDITY SENSORS (REMOTE). RTU'S AS SPECIFIED INCLUDE AN UNPOWERED CONVENIENCE OUTLET (SEE ELECTRICAL) AND AN HACR CIRCUIT BREAKER WHICH PROVIDES UNIT DISCONNECT. TRANE AND YORK ALSO HAVE AVAILABLE OPTION PACKAGES WHICH INCLUDE SMOKE DETECTORS AND ANNUNCIATORS, ECONOMIZERS, AND RTU VARIATIONS SUCH AS HIGH-EFFICIENCY MODELS.

BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH NATIONAL DESIGN.

SEE THE SCOPE OF WORK SHEETS FOR ADDITIONAL INFORMATION.

TRANE PACKAGE N.T.S. 8

ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	1050	-1050
EF-2	--	--	--	570	-570
RTU-1	750	2250	3000	--	+750
RTU-2	950	3450	4400	--	+950
TOTAL	1700	5700	7400	1620	+80

NOTE:
THE OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 25.0% FOR RTU-1 AND 21.6% FOR RTU-2.

AIR BALANCE SCHEDULE CFM 4

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE
1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER — REGISTERED — 17709 — STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

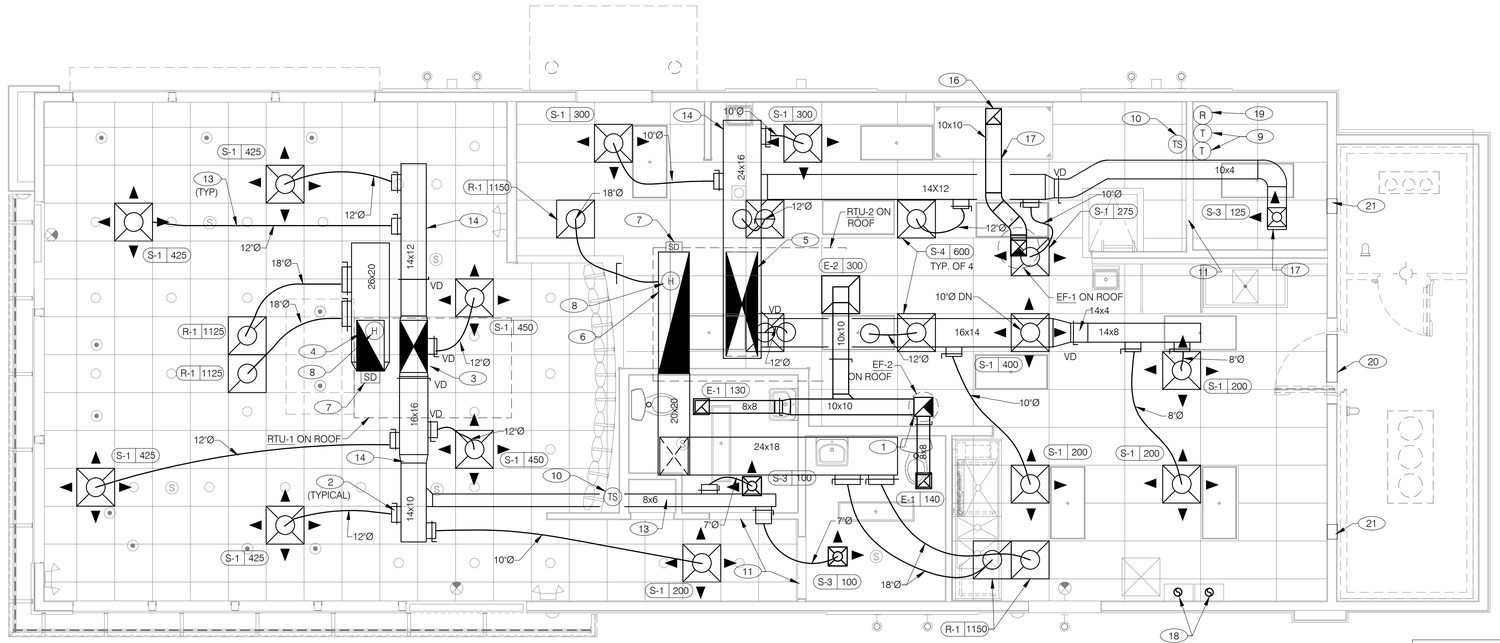
TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

MECHANICAL SCHEDULES AND NOTES

M1.0

PERMIT PLOT DATE:



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

12 11 10 9 8 7 6 5 4 3 2 1

DUCT AND DIFFUSER PLAN 1/4"=1'-0" A

NOT USED F

GENERAL NOTES E

1. DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.
2. THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE. REMOTE TEMPERATURE SENSOR, AND REMOTE HUMIDITY SENSOR. (PROVIDED WITH TRANE PACKAGE).
3. HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC CONDITIONS. REFER TO HVAC UNIT SCHEDULE, 1/M1.0, FOR APPLICATION CONDITIONS.
4. COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.

KEY NOTES B

1. 12x12 EXHAUST AIR DUCT UP THROUGH ROOF TO EF-2.
2. SEE DETAIL 8 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS. RETURN OR EXHAUST AIR TAKE-OFFS SHALL BE SIMILAR.
3. 34x18 SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1.
4. 34x18 RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1.
5. 67x27 SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-2.
6. 74x20 RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-2.
7. FURNISH AND INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT, IN ACCORDANCE WITH LOCAL CODES. DUCT SMOKE DETECTOR WIRED BY ELECTRICAL CONTRACTOR, SEE SHEET E3.2.
8. HUMIDITY SENSOR (REMOTE). HUMIDITY SENSOR LOCATION SHALL BE PLACED IN RETURN AIR DUCTWORK. VERIFY EXACT LOCATION. SEE 9/M4.0.
9. LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORD LOCATION WITH LIGHT SWITCHES.
10. MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR.
11. UNDERCUT RESTROOM DOORS AND OFFICE DOOR MIN. 3/4" FOR MAKE-UP AIR.
12. NOT USED.
13. RUN DUCT THROUGH OPEN WEBBING OF ROOF JOISTS (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
14. RUN DUCTWORK BETWEEN JOISTS AS HIGH AS POSSIBLE UNDER ROOF JOISTS.
15. NOT USED.
16. 10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD. EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 15 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 18 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.
17. EXHAUST DUCTWORK RUN UP BETWEEN ROOF JOISTS AND THROUGH OPEN WEBBING (IF NEEDED) TO EF-1.
18. FURNISH AND INSTALL 5" CONCENTRIC INTAKE AND FLUE VENT TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES. SEE DETAIL 13/P6.0.
19. NEW SMOKE DETECTOR RESET SWITCH WITH KEY. MFR. IS "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MFR. SPECIFICATIONS.
20. ACCESS OPENING TO SPACE ABOVE WALK-IN. SEE SHEET A7.1.
21. AIR TRANSFER GRILLS. SEE SECTION "B" ON SHEET A5.2.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

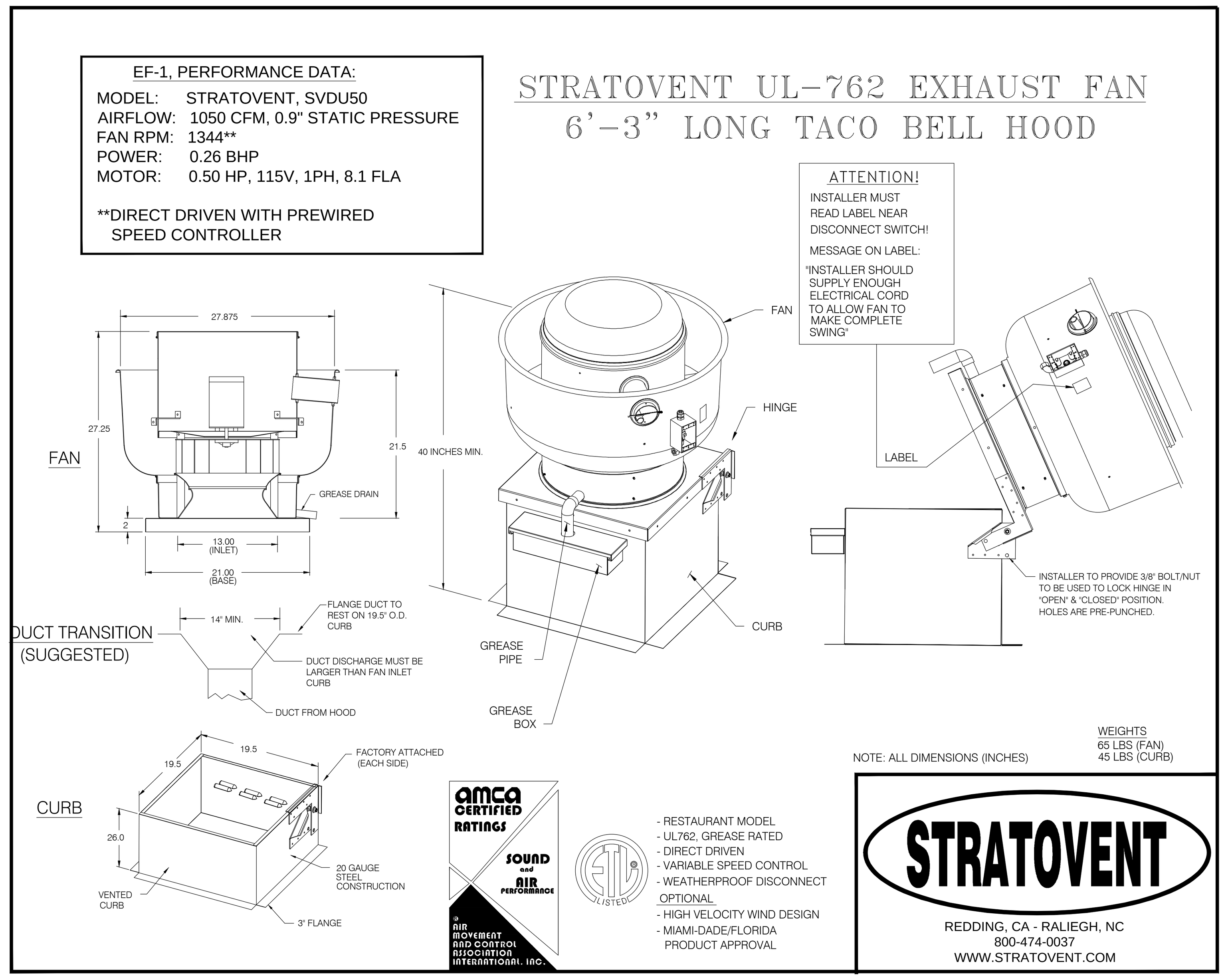
LIVE MAS

MEDIUM 40

DUCT AND DIFFUSER PLAN

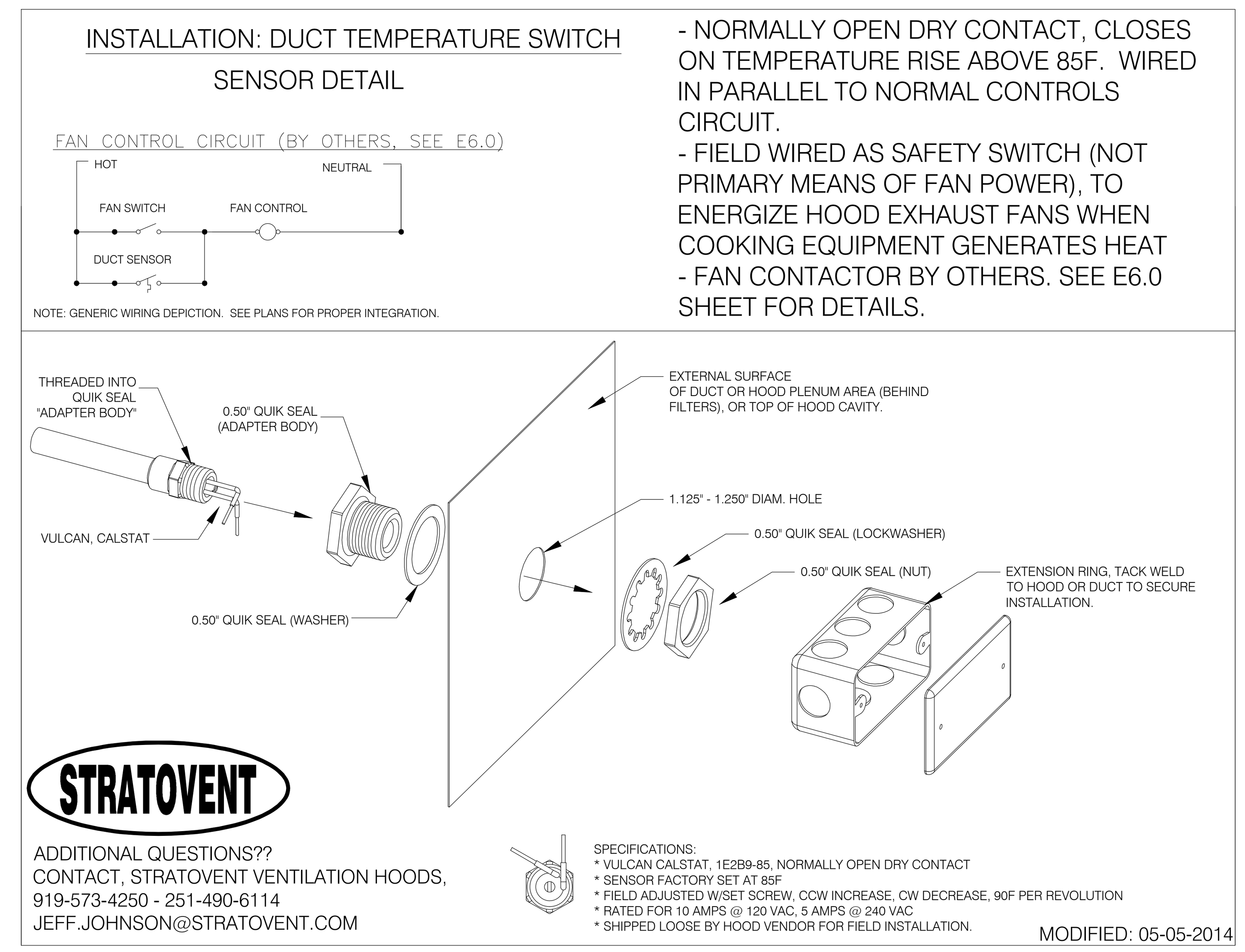
M2.0

PERMIT PLOT DATE:



EF-1, PERFORMANCE DATA:
MODEL: STRATOVENT, SVDU50
AIRFLOW: 1050 CFM, 0.9" STATIC PRESSURE
FAN RPM: 1344**
POWER: 0.26 BHP
MOTOR: 0.50 HP, 115V, 1PH, 8.1 FLA
**DIRECT DRIVEN WITH PREWIRED SPEED CONTROLLER
STRATOVENT UL-762 EXHAUST FAN
6'-3" LONG TACO BELL HOOD
ATTENTION!
FAN
HINGE
LABEL
CURB
GREASE PIPE
GREASE BOX
DUCT TRANSITION (SUGGESTED)
CURB
NOTE: ALL DIMENSIONS (INCHES)
- RESTAURANT MODEL
- UL762, GREASE RATED
- DIRECT DRIVEN
- VARIABLE SPEED CONTROL
- WEATHERPROOF DISCONNECT
OPTIONAL
- HIGH VELOCITY WIND DESIGN
- MIAMI-DADE/FLORIDA PRODUCT APPROVAL
STRATOVENT
REDDING, CA - RALEIGH, NC
800-474-0037
WWW.STRATOVENT.COM

TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN N.T.S. **14**

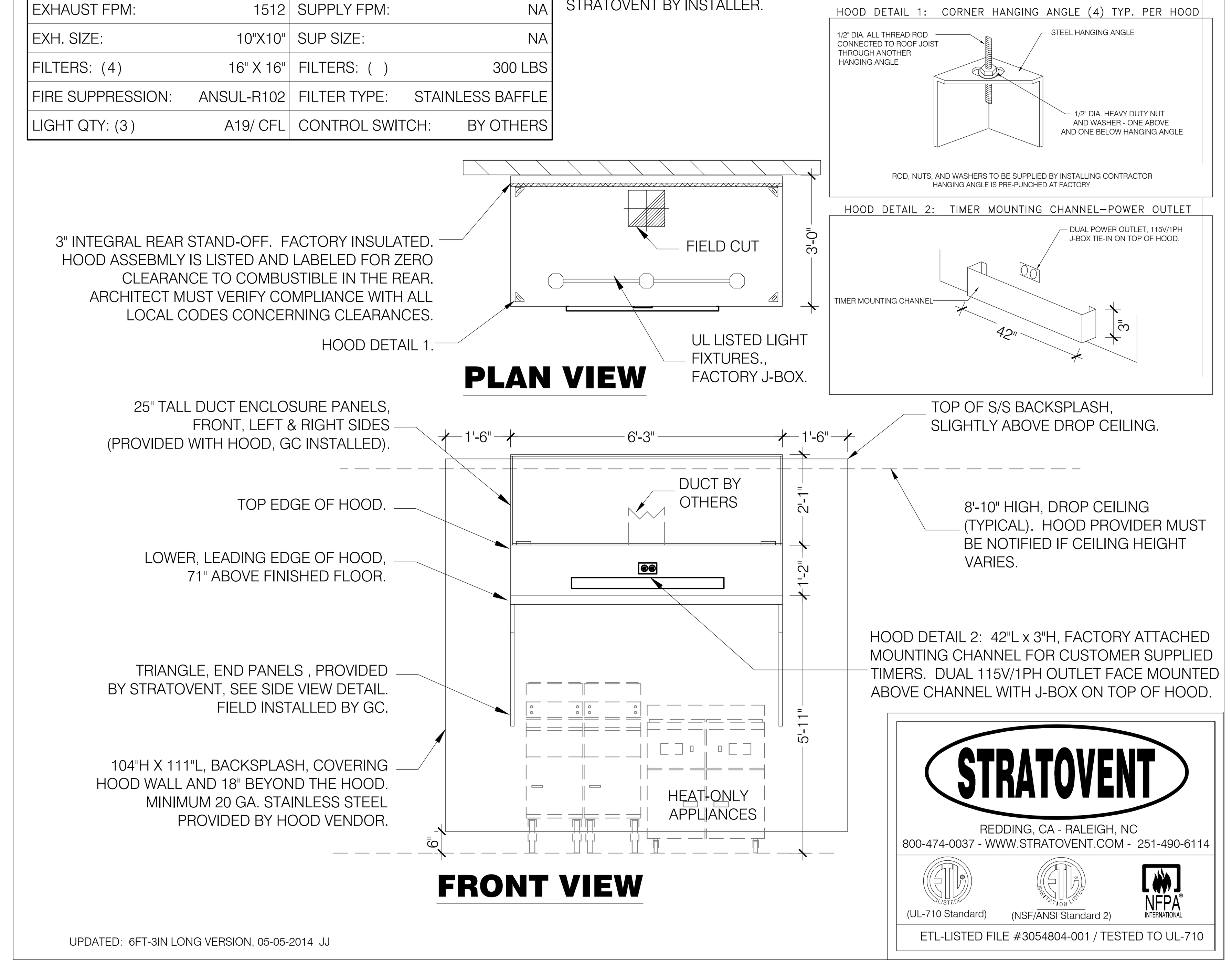


INSTALLATION: DUCT TEMPERATURE SWITCH
SENSOR DETAIL
FAN CONTROL CIRCUIT (BY OTHERS, SEE E6.0)
HOT
NEUTRAL
FAN SWITCH
FAN CONTROL
DUCT SENSOR
NOTE: GENERIC WIRING DEPICTION. SEE PLANS FOR PROPER INTEGRATION.
- NORMALLY OPEN DRY CONTACT, CLOSES ON TEMPERATURE RISE ABOVE 85F. WIRED IN PARALLEL TO NORMAL CONTROLS CIRCUIT.
- FIELD WIRED AS SAFETY SWITCH (NOT PRIMARY MEANS OF FAN POWER), TO ENERGIZE HOOD EXHAUST FANS WHEN COOKING EQUIPMENT GENERATES HEAT
- FAN CONTACTOR BY OTHERS. SEE E6.0 SHEET FOR DETAILS.
VULCAN, CALSTAT
STRATOVENT
ADDITIONAL QUESTIONS??
CONTACT, STRATOVENT VENTILATION HOODS,
919-573-4250 - 251-490-6114
JEFF.JOHNSON@STRATOVENT.COM
MODIFIED: 05-05-2014

HEAT SENSOR ATTACHMENT N.T.S. **10**

HOOD #	1 OF 1	MODEL #	STRATOVENT SVBD2
LENGTH (IN): 6'-3"	WIDTH (IN): 36"	HEIGHT (IN):	14"
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0
EXHAUST SP:	0.9" (HOOD+DUCT)	SUPPLY SP:	NA
EXHAUST FPM:	1512	SUPPLY FPM:	NA
EXH. SIZE:	10"X10"	SUP SIZE:	NA
FILTERS: (4)	16" X 16"	FILTERS: ( )	300 LBS
FIRE SUPPRESSION:	ANSUL-R102	FILTER TYPE:	STAINLESS BAFFLE
LIGHT QTY: (3)	A19/ CFL	CONTROL SWITCH:	BY OTHERS

DESIGN NOTES:
- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
- MODEL SVBD2 IS A NON-CANOPY HOOD, "LISTED" VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.
- HOOD IS PRE-PIPED FOR ANSUL, SYSTEM INSTALL BY OTHERS.
- INSTALLER TO REVIEW E6.0 SHEET FOR HOOD AND FAN WIRING. NO CONTACTOR OR CONTROL BOX IS FURNISHED WITH HOOD, UNLESS SOURCED DIRECT FROM STRATOVENT BY INSTALLER.



HOOD DETAIL 1: CORNER HANGING ANGLE (4) TYP. PER HOOD
1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE
STEEL HANGING ANGLE
1/2" DIA. HEAVY DUTY NUT AND WASHER - ONE ABOVE AND ONE BELOW HANGING ANGLE
ROD, NUTS, AND WASHERS TO BE SUPPLIED BY INSTALLING CONTRACTOR
HANGING ANGLE IS PRE-PUNCHED AT FACTORY
HOOD DETAIL 2: TIMER MOUNTING CHANNEL—POWER OUTLET
DUAL POWER OUTLET, 115V/1PH
J-BOX TIE-IN ON TOP OF HOOD.
3" INTEGRAL REAR STAND-OFF. FACTORY INSULATED. HOOD ASSEBMLY IS LISTED AND LABELED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. ARCHITECT MUST VERIFY COMPLIANCE WITH ALL LOCAL CODES CONCERNING CLEARANCES.
HOOD DETAIL 1.
FIELD CUT
3'-0"
UL LISTED LIGHT FIXTURES., FACTORY J-BOX.
PLAN VIEW
25" TALL DUCT ENCLOSURE PANELS, FRONT, LEFT & RIGHT SIDES (PROVIDED WITH HOOD, GC INSTALLED).
1'-6"
6'-3"
1'-6"
TOP OF S/S BACKSPLASH, SLIGHTLY ABOVE DROP CEILING.
DUCT BY OTHERS
TOP EDGE OF HOOD.
8'-10" HIGH, DROP CEILING (TYPICAL). HOOD PROVIDER MUST BE NOTIFIED IF CEILING HEIGHT VARIES.
LOWER, LEADING EDGE OF HOOD, 71" ABOVE FINISHED FLOOR.
HOOD DETAIL 2: 42"L x 3"H, FACTORY ATTACHED MOUNTING CHANNEL FOR CUSTOMER SUPPLIED TIMERS. DUAL 115V/1PH OUTLET FACE MOUNTED ABOVE CHANNEL WITH J-BOX ON TOP OF HOOD.
TRIANGLE, END PANELS , PROVIDED BY STRATOVENT, SEE SIDE VIEW DETAIL. FIELD INSTALLED BY GC.
104"H X 111"L, BACKSPLASH, COVERING HOOD WALL AND 18" BEYOND THE HOOD. MINIMUM 20 GA. STAINLESS STEEL PROVIDED BY HOOD VENDOR.
HEAT-ONLY APPLIANCES
FRONT VIEW
STRATOVENT
REDDING, CA - RALEIGH, NC
800-474-0037 - WWW.STRATOVENT.COM - 251-490-6114
ETL-LISTED FILE #3054804-001 / TESTED TO UL-710
UPDATED: 6FT-3IN LONG VERSION, 05-05-2014 JJ

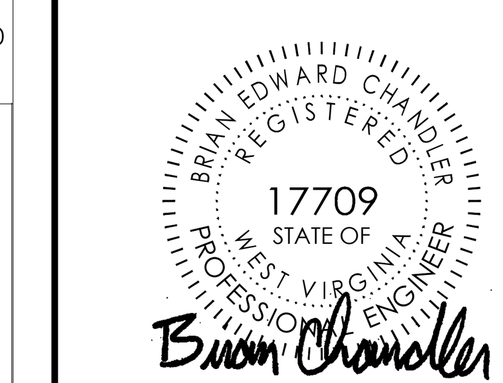
TACO BELL HOOD DETAIL N.T.S. **2**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com



01.08.16

PROJECT: TACO BELL

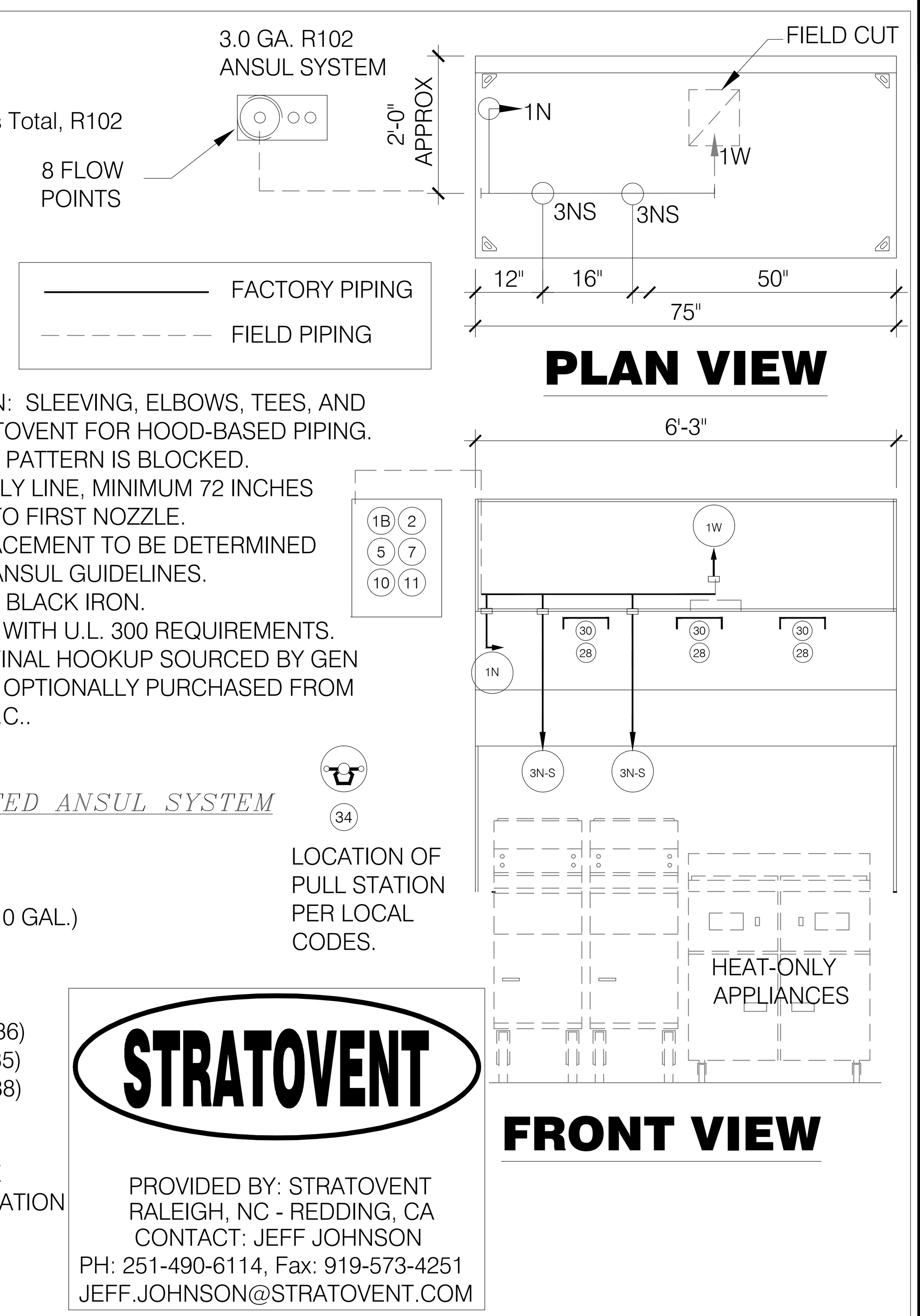
System Size: ANSUL-3.0 Gallons Total, R102
Flow Points: 8 Design, 11 (max)

Hood #1: 6'-6" L x 36" W x 14" H
Exhaust Riser Size: 10" x 10"

NOTES
- FIELD PIPE DROPS AS SHOWN: SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY STRATOVENT FOR HOOD-BASED PIPING.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE, MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- ALL NOZZLE HEIGHT AND PLACEMENT TO BE DETERMINED BY INSTALLER AND AHJ PER ANSUL GUIDELINES.
- ALL PIPING TO BE 3/8" SCH 40 BLACK IRON.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- SYSTEM INSTALLATION AND FINAL HOOKUP SOURCED BY GEN CONTRACTOR. SYSTEM PARTS OPTIONALLY PURCHASED FROM STRATOVENT BY OWNER OR G.C..

LEGEND – WALL MOUNTED ANSUL SYSTEM

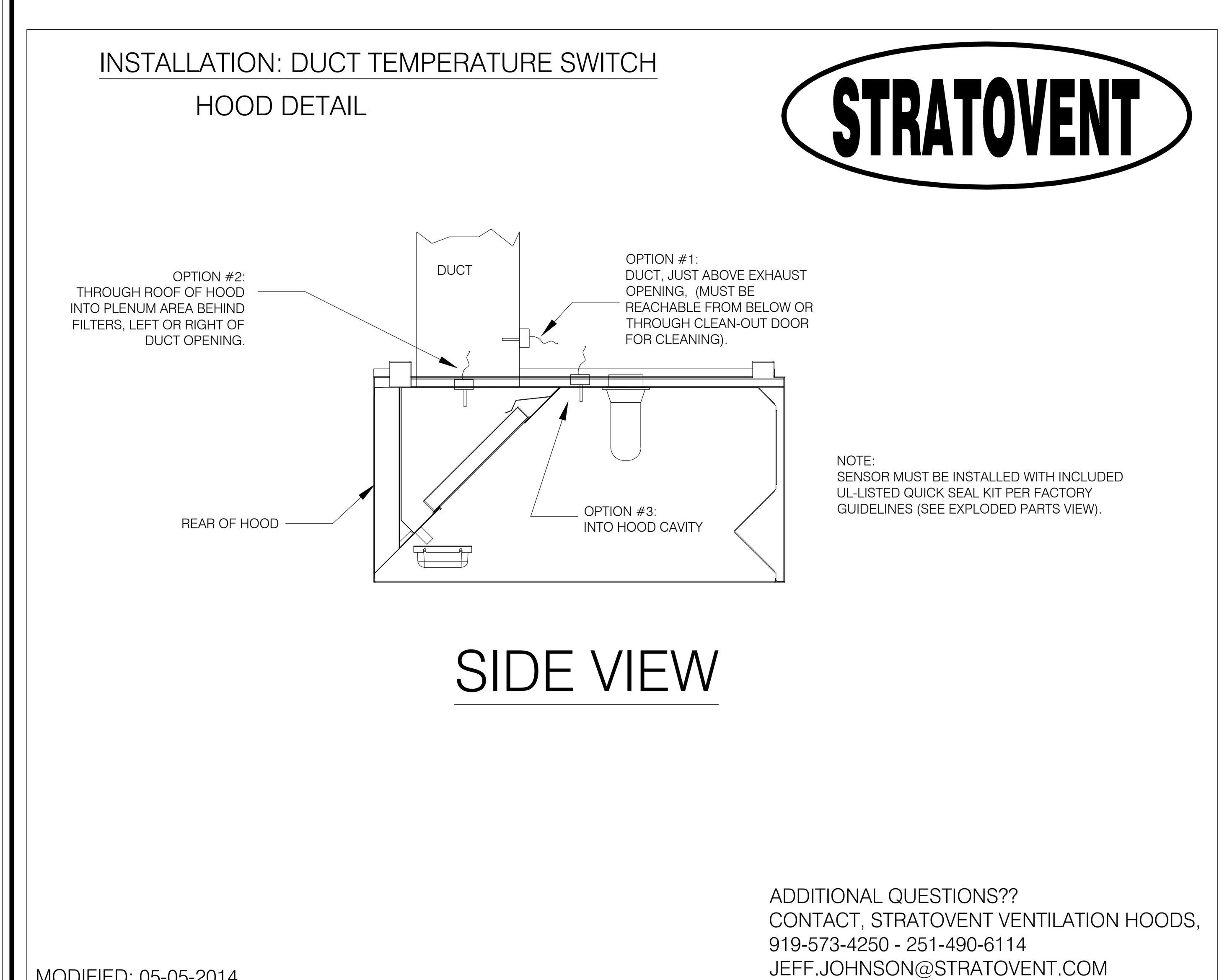
1B 3.0 GALLON TANK
2 AUTOMAN RELEASE
5 ANSULEX LIQUID AGENT (3.0 GAL.)
7 CARTRIDGE (101-20)
10 TEST LINK
11 DOUBLE MICROSWITCH
1W NOZZLE ASSEMBLY (419336)
1N NOZZLE ASSEMBLY (419335)
3N NOZZLE ASSEMBLY (419338)
28 DETECTOR BRACKET
30 HIGH TEMP FUSIBLE LINK
MGV MECHANICAL GAS VALVE
34 REMOTE MANUAL PULL STATION
S SWIVEL ADAPTOR



3.0 GA. R102 ANSUL SYSTEM
8 FLOW POINTS
2'-0" APPROX
FIELD CUT
1N
1W
3NS
3NS
12"
16"
50"
75"
FACTORY PIPING
FIELD PIPING
PLAN VIEW
6'-3"
LOCATION OF PULL STATION PER LOCAL CODES.
HEAT-ONLY APPLIANCES
FRONT VIEW
STRATOVENT
PROVIDED BY: STRATOVENT
RALEIGH, NC - REDDING, CA
CONTACT: JEFF JOHNSON
PH: 251-490-6114, Fax: 919-573-4251
JEFF.JOHNSON@STRATOVENT.COM

REVISED: 05-05-2014

TACO BELL HOOD FIRE SUPRESSION SCHEDULE N.T.S. **16**



INSTALLATION: DUCT TEMPERATURE SWITCH
HOOD DETAIL
STRATOVENT
DUCT
OPTION #1: DUCT, JUST ABOVE EXHAUST OPENING. (MUST BE REACHABLE FROM BELOW OR THROUGH CLEAN-OUT DOOR FOR CLEANING).
OPTION #2: THROUGH ROOF OF HOOD INTO PLENUM AREA BEHIND FILTERS, LEFT OR RIGHT OF DUCT OPENING.
OPTION #3: INTO HOOD CAVITY
REAR OF HOOD
NOTE: SENSOR MUST BE INSTALLED WITH INCLUDED UL-LISTED QUICK SEAL KIT PER FACTORY GUIDELINES (SEE EXPLODED PARTS VIEW).
SIDE VIEW
ADDITIONAL QUESTIONS??
CONTACT, STRATOVENT VENTILATION HOODS,
919-573-4250 - 251-490-6114
JEFF.JOHNSON@STRATOVENT.COM
MODIFIED: 05-05-2014

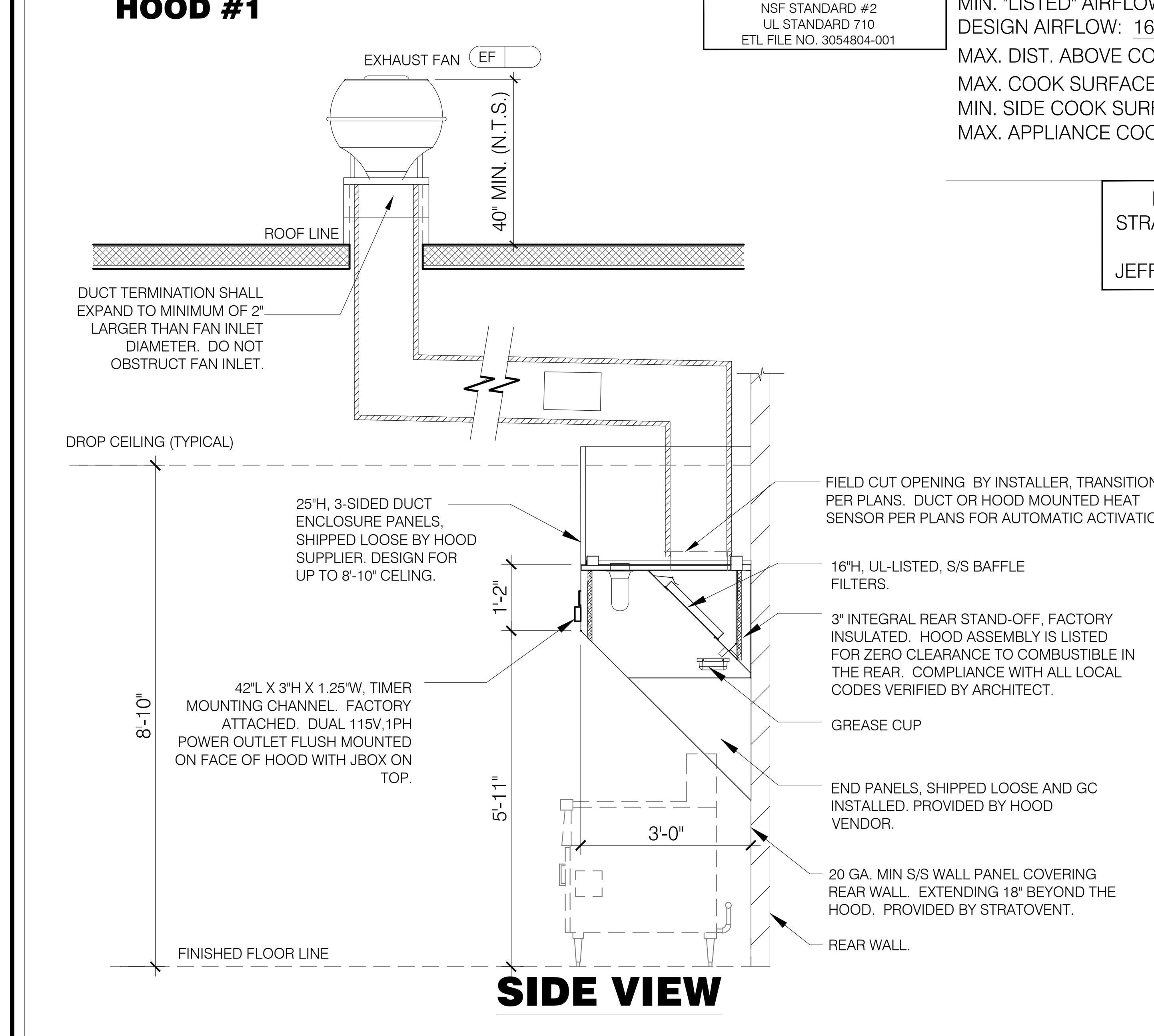
HEAT SENSOR LOCATION **12**

LOW-PROFILE HOOD
HOOD #1

NON-CANOPY HOOD DESIGN BASED ON:
MANUFACTURER: STRATOVENT, MODEL SVBD2
ETL LISTED TO UL-710: FILE # 3054804-001
MIN. "LISTED" AIRFLOW: 150 CFM PER LINEAR FT
DESIGN AIRFLOW: 168 CFM PER LINEAR FT
MAX. DIST. ABOVE COOK SURFACE: 47"
MAX. COOK SURFACE FRONT UNDERHANG: - 3"
MIN. SIDE COOK SURFACE OVERHANG: 0"
MAX. APPLIANCE COOKING TEMPERATURE: 450 F

STRATOVENT HOODS BUILT IN COMPLIANCE WITH
NFPA #96
NSF STANDARD #2
UL STANDARD 710
ETL FILE NO. 3054804-001

HOOD DESIGN QUESTIONS?
STRATOVENT KITCHEN VENTILATION
PHONE: 251.490.6114
JEFF.JOHNSON@STRATOVENT.COM



EXHAUST FAN EF
40" MIN. (N.T.S.)
ROOF LINE
DUCT TERMINATION SHALL EXPAND TO MINIMUM OF 2" LARGER THAN FAN INLET DIAMETER. DO NOT OBSTRUCT FAN INLET.
DROP CEILING (TYPICAL)
FIELD CUT OPENING BY INSTALLER, TRANSITION PER PLANS. DUCT OR HOOD MOUNTED HEAT SENSOR PER PLANS FOR AUTOMATIC ACTIVATION.
25"H, 3-SIDED DUCT ENCLOSURE PANELS, SHIPPED LOOSE BY HOOD SUPPLIER. DESIGN FOR UP TO 8'-10" CEILING.
16"H, UL-LISTED, S/S BAFFLE FILTERS.
3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED. HOOD ASSEMBLY IS LISTED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. COMPLIANCE WITH ALL LOCAL CODES VERIFIED BY ARCHITECT.
42"L X 3"H X 1.25"W, TIMER MOUNTING CHANNEL. FACTORY ATTACHED. DUAL 115V,1PH POWER OUTLET FLUSH MOUNTED ON FACE OF HOOD WITH JBOX ON TOP.
GREASE CUP
1'-2"
8'-10"
5'-11"
3'-0"
END PANELS, SHIPPED LOOSE AND GC INSTALLED. PROVIDED BY HOOD VENDOR.
20 GA. MIN S/S WALL PANEL COVERING REAR WALL. EXTENDING 18" BEYOND THE HOOD. PROVIDED BY STRATOVENT.
REAR WALL.
FINISHED FLOOR LINE
SIDE VIEW

UPDATED: 6FT-3IN LONG VERSION, 05-05-2014 JJ

TACO BELL HOOD SECTION 1/2" = 1'-0" **4**

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

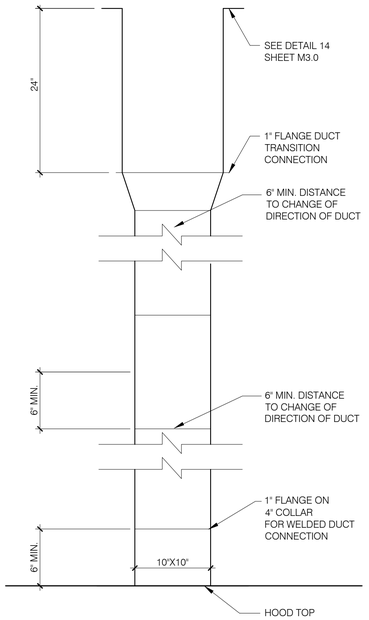
LIVE MAS

MEDIUM 40

HOOD DRAWINGS PLANS AND SECTIONS

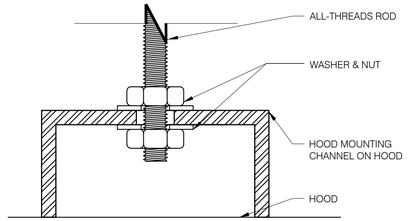
M3.0

PERMIT PLOT DATE:

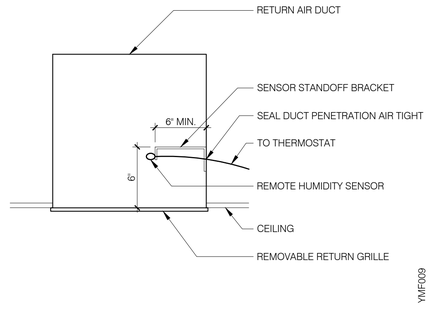


TB HOOD DUCT TRANSITION N.T.S. **18**

NOT USED **13**

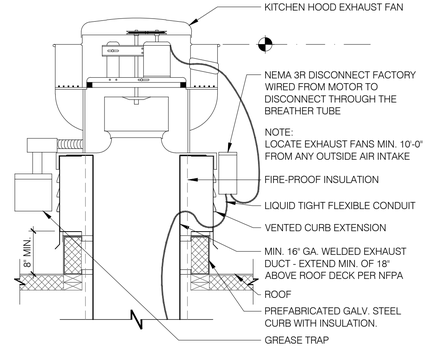


BOLT CONNECTION TO HOOD N.T.S. **14**

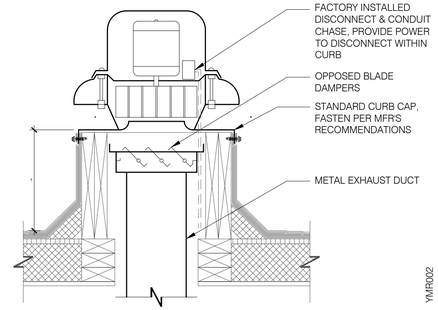


REMOTE HUMIDITY SENSOR N.T.S. **9**

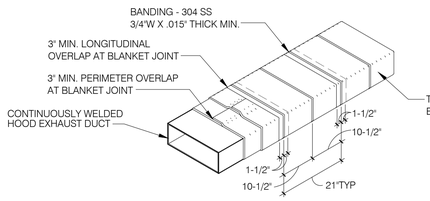
NOT USED **5**



EXHAUST FAN EF-1 N.T.S. **1**



RESTROOM FAN (EF-2) N.T.S. **2**



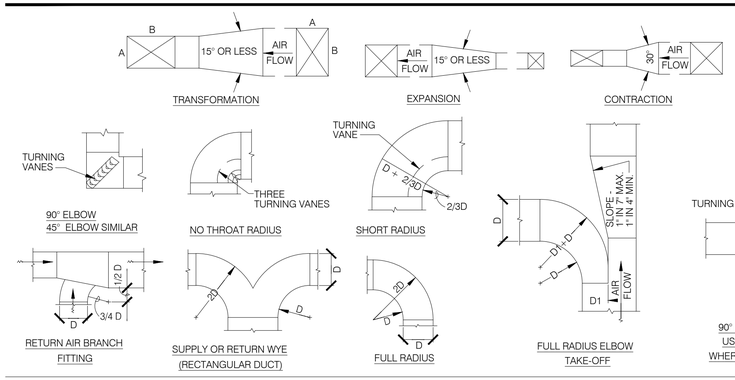
TWO LAYERS 1-1/2" THICK 8-PCF FIREMASTER BLANKET

BANDING REQUIREMENTS: USE 304 STAINLESS STEEL BANDS A MAXIMUM 1-1/2" FROM BLANKET EDGE AND SPACED A MAXIMUM OF 10-1/2" ON CENTER.

NOTES:

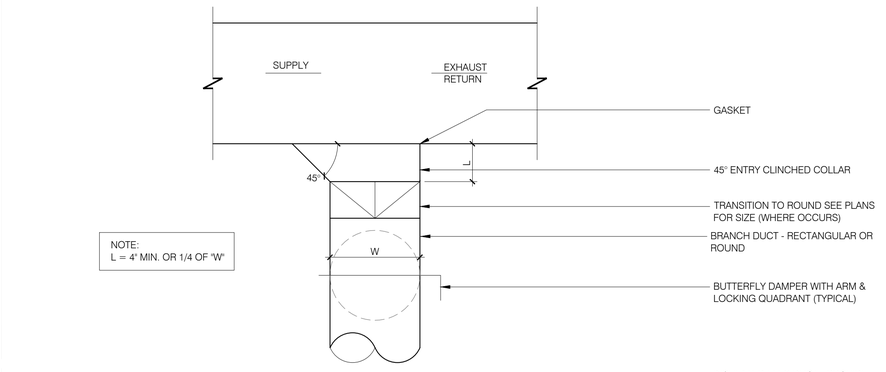
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
3. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF 1/4" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
4. PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH READS " ACCESS PANEL DO NOT OBSTRUCT"

KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL N.T.S. **15**



TYPICAL DUCTWORK DETAILS N.T.S. **16**

NOT USED N.T.S. **6**



CEILING DIFFUSER CONNECTIONS N.T.S. **8**

1. Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.
2. UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trough that drains into a removable stainless steel grease cup.
3. UL listed and NSF approved vapor proof incandescent light fixtures pre-wired to junction box at top of hood in accordance with NEC 70.
4. Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood or by a certified technician. Final location of all nozzles and fire suppression drops to be locally approved and inspected.
5. Hood(s) shall be fabricated in accordance with NFPA Bulletin #96 and shall bear the NSF Seal of Approval. Hoods shall be listed under UL 710 EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL under FILE# 3054804-001.

THIS HOOD DESIGN IS BASED UPON
STRATOVENT, MODEL SVND2. MANUFACTURED BY:

STRATOVENT VENTILATION HOODS
RALEIGH, NC 27616
CONTACT: JEFF JOHNSON, 251-490-6114

HOOD NOTES AND SPECS (TYP.) **4**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER
REGISTERED
17709
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

01.08.16

D	MISC.CHANGES	10.25.13
K	PROTOTYPE UPDATES	6.09.14
P	PROTOTYPE UPDATES	11.02.15

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

MECHANICAL AND HOOD DETAILS

M4.0

PERMIT PLOT DATE:

1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.

2. ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO THE UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.

3. VERIFY THE LOCATION OF THE SANITARY SEWER ON THE SITE PLAN AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.

4. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODES. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.

5. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNERS REPRESENTATIVE PRIOR TO ANY INSTALLATION.

6. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.

7. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKE.

8. PROVIDE GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.

9. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.

10. PROVIDE A LEVER HANDLE GAS SHUT-OFF VALVE IN THE BRANCH PIPING OF EACH APPLIANCE OR PIECE OF EQUIPMENT, FOR EACH APPLIANCE INSTALL QUICK DISCONNECT, FLEXIBLE PIPE WHEN ALLOWED BY CODE AND RESTRAINING DEVICE FURNISHED BY OWNER. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE. IF GAS PRESSURE GREATER THAN 10"/wc IS USED DOWNSTREAM FROM THE GAS METER.

11. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.

12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN SCHEDULE & FOR ADDITIONAL WORK TO BE FURNISHED & INSTALLED BY CONTRACTOR. ALL ROUGH-IN PLUMBING AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE BY THE CONTRACTOR U.O.N.

13. REFER TO MECHANICAL SHEETS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.

14. ALL GAS LINES SHALL BE SUPPORTED SEE SPECS.

15. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.

16. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.

17. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE MINIMUM 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.

18. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.

19. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.

20. FURNISH & INSTALL ALL BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.

21. PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN, GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.

22. THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY UPON THE CONTRACTOR.

23. ALL WATER LINES SHALL BE RUN OVERHEAD U.O.N.

24. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.

25. PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.

26. CVPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.

27. PEX PLASTIC TUBING AND FITTING CAN BE USED AS AN OPTION, ALL INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL COMPLY WITH SECTION 605.10.1 AND SECTION 605.10.2.

GENERAL NOTES E

SYMBOLS	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
	A.C.P.	ASBESTOS CEMENT PIPE
	(N)	NEW
	(E)	EXISTING
	F.D.	FLOOR DRAIN
	H.D.	HUB DRAIN
	OFD	OVERFLOW DRAIN
	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
X-X 0000		PLUMBING EQUIPMENT DESIGNATION
XXX		KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIP. DRAWINGS FOR DESCRIPTION.
SS		SOIL OR WASTE (SANITARY)/ WASTE STUB
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	H.W.R.	HOT WATER RETURN
	V.	SANITARY VENT
SD	S.D.	STORM DRAIN
CD	C.D.	CONDENSATE DRAIN
	F.C.O.	FLOOR CLEANOUT OR CLEANOUT TO GRADE
	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 C

1. IF GEN POWER SOAK SINK USED THEN ADD A MIXING VALVE TO SINK ABOVE SUSPENDED CEILING.

KEYNOTE F

FIXTURE	NO.	DRAIN		COLD WATER		HOT WATER	
		D.F.U.	TOTAL D.F.U.	F.U. C.W.	TOTAL C.W.	F.U. H.W.	TOTAL H.W.
WATER CLOSET	2	4	8	5	10	--	--
URINAL	0	2	--	5	--	--	--
LAVATORY	2	1	2	1.5	3	1.5	3
HAND SINK	2	1	2	1.5	3	1.5	3
PREP SINK *	1	--	--	3	3	3	3
3 - COMPARTMENT SINK *	1	--	--	3	3	3	3
HOSE BIBB/WATER FILTRATION UNIT	2/1	--	--	2.5:1/1	3.5	--	--
FLOOR DRAIN	7	2	14	--	--	--	--
HUB DRAIN	2	2	4	--	--	--	--
FLOOR SINK	4	6	24	--	--	--	--
MOP SINK	1	2	2	2.25	2.25	2.25	2.25
RETHERMALIZER*	1	-	-	--	--	1.0	1.0
TOTAL	-	-	56	--	27.75	--	15.25

PROBABLE DEMANDS/ AND PIPE SIZING REQUIREMENTS:	COLD WATER:	27.75 FU = 22.4 GPM	USE 1-1/2" CW SERVICE
	DRAIN: GW	36 DFU	USE 4" SANITARY (MIN)
	DRAIN: SAN	20 DFU	USE 4" SANITARY (MIN)
	HOT WATER:	15 .25 FU =17 GPM	USE 1-1/4" HW SERVICE

BASED ON 2012 IPC (COMBINATION DRAIN & VENT). *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

WATER AND SANITARY USEAGE CHART B

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
ECO 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	--	LIGHT DUTY, ACID RESISTANCE, WHITE PVC FLOOR SINK W/ 12" SQURE WHIT PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDEL.	SIOUX CHIEF / MODEL: 861-4PNDW
FS 2	FLOOR SINK	4"	2"	--	--	--	6	--	PVC 12" SQUARE FLOOR SINK, 6" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	SIOUX / MODEL: 861-4-PND
FD 1	FLOOR DRAIN (3')	3"	2"	--	--	--	2	--	LIGHT DUTY ADJUSTABLE PVC WITH THREADED ADAPTOR AND 5" DIAMETER NICKEL BRONZE RING AND FASTENED GRATE	ZURAM / MODEL: FD-2210
										SIOUX CHIEF 842
										OATEY 72000
FCO 1	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000
										WADE / MODEL: 6000Z
										ZURN / MODEL: Z-1400
WCO 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 (GREEN)	4"	2"	1/2"	--	--	4	5	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSENITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH LEVERS 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 "ECONMISER" / MODEL: 31888
UR 1	URINAL (GREEN)	2"	1-1/2"	3/4"	--	--	2	5	WHITE VITREOUS CHINA, WALL HUNG, TOP INLET, ADA COMPLIANT, 1/8 GPF, WITH WALL HANGER.	AM. STD. "WASHBROOK" / 6590.525
										SLOAN WEUS 1000.1301-0.13-ES-S
L 1	LAVATORY (GREEN)	1-1/4"	1-1/2"	--	--	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 AND 0.5 GPM AERATOR. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. BATTERY POWERED, SLOAN #SF-2350, ADA COMPLIANT. SEE 8/P6.0 FOR LAV SUPPORT DETAIL.	A.S. COMRADE/ MODEL: 0124.131
										CRANE "HARWICH" / MODEL: 1412V
										--
S 1	HAND SINK (GREEN)	1-1/2"	1-1/2"	1/2"	--	1/2"	1	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS FAUCET, BRAIDED WATER LINES AND 0.5 GPM AERATOR	--
										--
										--
S 2	MOP SINK	3"	2"	1/2"	1/2"	--	2	3	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S LEFT SIDE AND BACK-SPLASH. FURNISHED BY OWNER, INSTALLED BY GC. FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY GC.	--
										--
										--
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"	--	--	--	--	--	--	JENSEN PRECAST 1,000 GALOON GREASE INTERCEPTOR WITH SAMPLE BOX FINAL SIZE TO BE DETERMINED BY LOCAL BUILDING AUTHORITY	--
										--
										--
MV 1	MIXING VALVE (GREEN)	--	--	1/2"	1/2"	--	--	--	THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LF495
										LAWLER SERIES 310
										LEONARD SERIES 170
WH 1 WH 2	WATER HEATER	--	--	1"	1"	--	--	--	NATURAL GAS FIRED TANKLESS APPLIANCE(S) INSTALLED COMPLETE WITH MCC-91 CONTROLLER AND T&P VALVE. 199,000 BTUH INPUT, EACH WITH A CONTINUOUS RECOVERY OF 3.8 GPM AT A 100°F RISE. APPLIANCE IS INDIVIDUALLY DIRECT VENTED/ SEALED COMBUSTION WITH MANUFACTURER AVAILABLE UBBINK CONCENTRIC VENT KIT	RINNAI # C199i
ET 1	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	WATTS SERIES DET
										AMTROL SERIES ST
										WILKINS SERIES WXTP
BFP 1	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: 009M2QTS
										WILKINS / MODEL: 975XLS
										FEBCO / MODEL: 860
SA 1	SHOCK ARRESTOR	--	--	1/2"	--	--	--	--	STAINLESS STEEL CASING WITH STAINLESS STEEL BELOW, PRECHARGED WITH NITROGEN. SIZED PER PDI-WH201	WADE / SHOKSTOP
										JOSAM / MODEL: 75000
										ZURN / SHOKTROL
RO 1	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER SEE TO DETAIL 9/P6.0	WADE / SHOKSTOP
										JOSAM / MODEL: 75000
										ZURN / SHOKTROL
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

PLUMBING SCHEDULE A

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER
REGISTERED
17709
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER
Brian Chandler

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

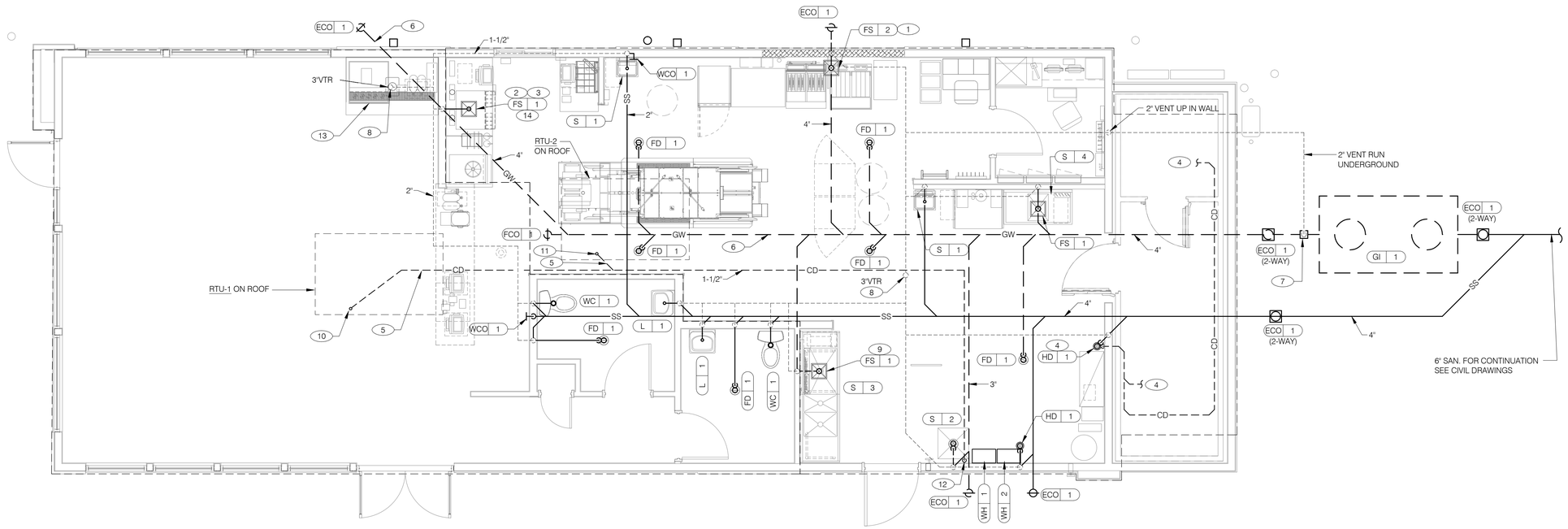
LIVE MAS

MEDIUM 40

PLUMBING SCHEDULES AND NOTES

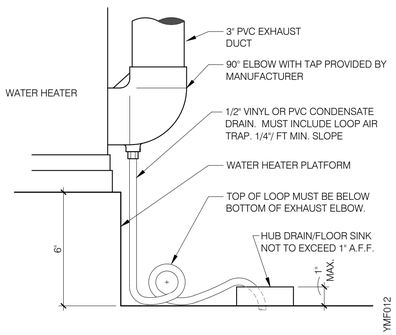
P1.0

PERMIT PLOT DATE:



12 11 10 9 8 7 6 5 4 3 2 1

WASTE & VENT PLAN 1/4"=1'-0" **A**



WATER HEATER CONDENSATE DETAIL N.T.S. **E**

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. STORM WATER PIPING IS SIZED FOR A RAINFALL OF 4" PER HOUR. ADJUST ROOF DRAIN (RD-1) SIZE AND STORM PIPE SIZES PER THE LOCAL RAINFALL REQUIREMENTS AND BY THE AUTHORITY HAVING JURISDICTION. PIPE SHALL DISCHARGE OVER DRIVE-THRU ROADWAY CURB OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.

D. INSULATE ALL HORIZONTAL RUNS OF STORM DRAINAGE PIPING ABOVE THE CEILING OR EXPOSED WITH 1" CLOSED CELLULAR INSULATION WITH VAPOR BARRIER JACKET THAT CAN BE PAINTED.

E. 4" SECONDARY DRAIN OUTLET SHALL EXTEND 2" BEYOND FINISHED WALL. SEE ARCHITECTURAL DRAWING A4.0 FOR INSTALLATION PROCEDURE AND A4.1 FOR EXACT LOCATION OF DRAIN OUTLET.

F. COORDINATE LOCATION OF STORM WATER PIPING ABOVE CEILING WITH ALL TRADES PRIOR TO INSTALLATION.

G. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS

H. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.

WASTE & VENT PLAN NOTES **C**

1. UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.
2. PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO FS, PROVIDE AIR GAP PER LOCAL CODE.
3. PROVIDE WASTE LINES FROM BEVERAGE UNIT TO FS, PROVIDE AIR GAP PER LOCAL CODE.
4. PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE).
5. PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING TO MOP SINK. 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 THE AUTHORITY HAVING JURISDICTION.
7. FLOW CONTROL FITTING WITH VENT.
8. 3" VENT UP THROUGH ROOF.
9. PIPE 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.
10. 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
11. 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 13 ON DRAWING P6.0.
12. 1-1/2" CONDENSATE DRAIN PIPE DOWN TO MOP SINK. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
13. RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OP'G. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE. SEE DETAIL 11/A6.4
14. COORDINATE INSTALLATION OF FLOOR SINK WITH FOUNDATIONS.

KEY NOTES **B**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

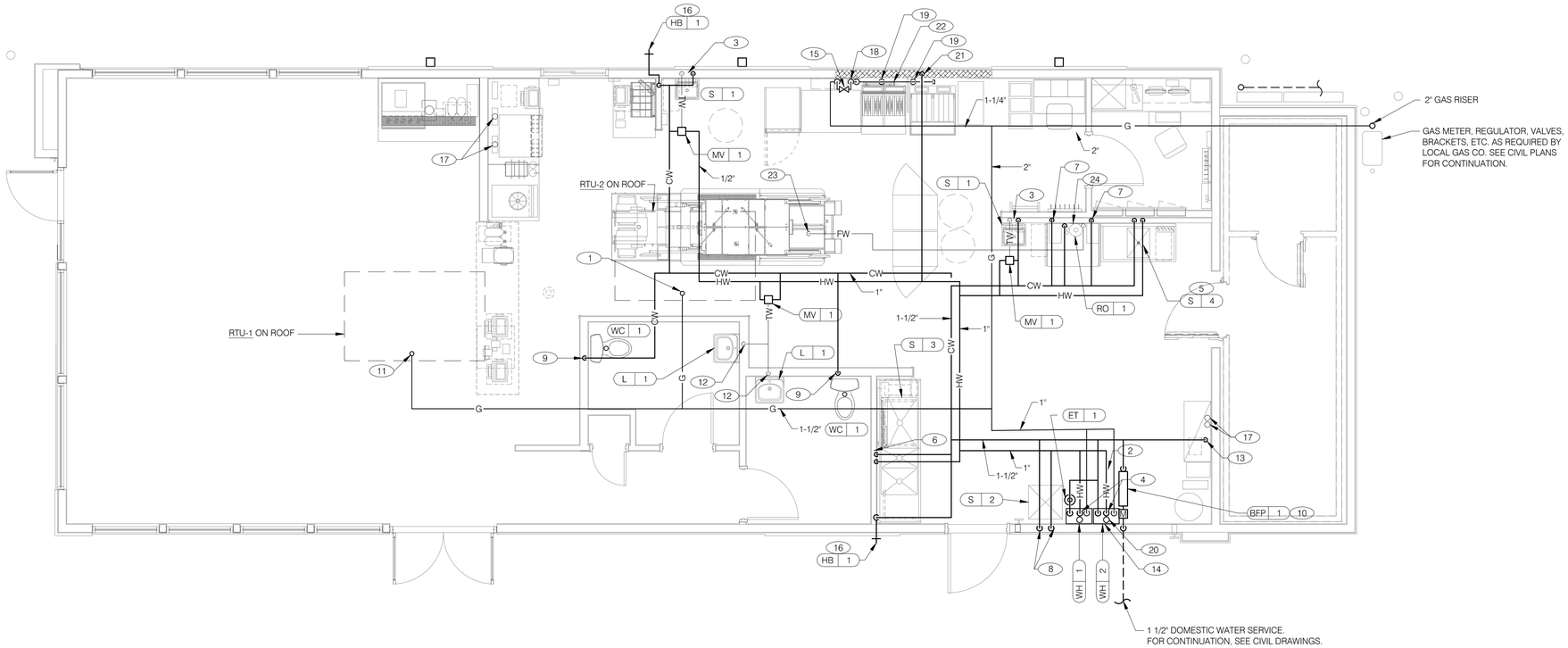
LIVE MAS

MEDIUM 40

WASTE AND VENT PLAN

P2.0

PERMIT PLOT DATE:



12 11 10 9 8 7 6 5 4 3 2 1

WATER & GAS PLAN 1/4"=1'-0" **A**

NOT USED **E**

NOT USED **D**

WATER & GAS PLAN NOTES **C**

A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION. COORDINATE ALL DETAILS.

B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER VALLEYS", REFER TO ROOF PLAN FOR LOCATIONS.

C. REFER TO SHT P4.0 FOR ROUGH-IN LOCATIONS.

D. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.

E. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.

F. PROVIDE REDUCED PRESSURE BACKFLOW TO SERVE CARBONATOR, DRAIN RELIEF TO FLOOR SINK WITH AIRGAP

KEY NOTES **B**

1. 1" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
2. 1" GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND UNION.
3. 1/2" TEMPERED AND COLD WATER DOWN IN WALL TO HAND SINK.
4. 1" HOT AND 1" COLD WATER LINES DOWN TO WATER HEATER.
5. 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
6. 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
7. 1/2" COLD WATER 2'-0" A.F.F. . CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-450. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO TO WATER FILTER.
8. 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.
9. 1/2" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET .
10. REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. PIPE RELIEF TO HUB DRAIN. VERIFY LOCATIONS WITH CIVIL DWGS.
11. 1-1/4" GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK, UNION.
12. 1/2" TEMPERED WATER LINES DOWN IN WALL TO LAVATORY.
13. 3/4" CW DOWN ALONG WALL TO WATER FILTER S-286.
14. WATER HEATER (WH-1) & (WH-2). PIPE CONDENSATE LINE. T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.0.
15. EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.
16. 1/2" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.
17. BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-533 & S-530 AND FILTERED WATER LINES TO ICE MAKERS S-511 AND FROZEN BEVERAGE DISPENSER S-543. SEE DRAWINGS A2.0, P5.0, AND 19/A6.4
18. 1-1/4" GAS DOWN ALONG WALL TO TACO BELL COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
19. GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT. SEE GAS ISOMETRIC ON P5.0 FOR PIPE AND HOSE SIZING.
20. 3" PVC EXHAUST AND INTAKE FLUES FROM EACH WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.
21. 1/2" HOT WATER DOWN IN WALL TO TB RETHERMALIZER. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
22. RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT.
23. 1/4" FILTER WATER PIPE DOWN IN UTILITY CHASE OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON FW PIPING IN CEILING NEAR CHASE.
24. 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-305 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

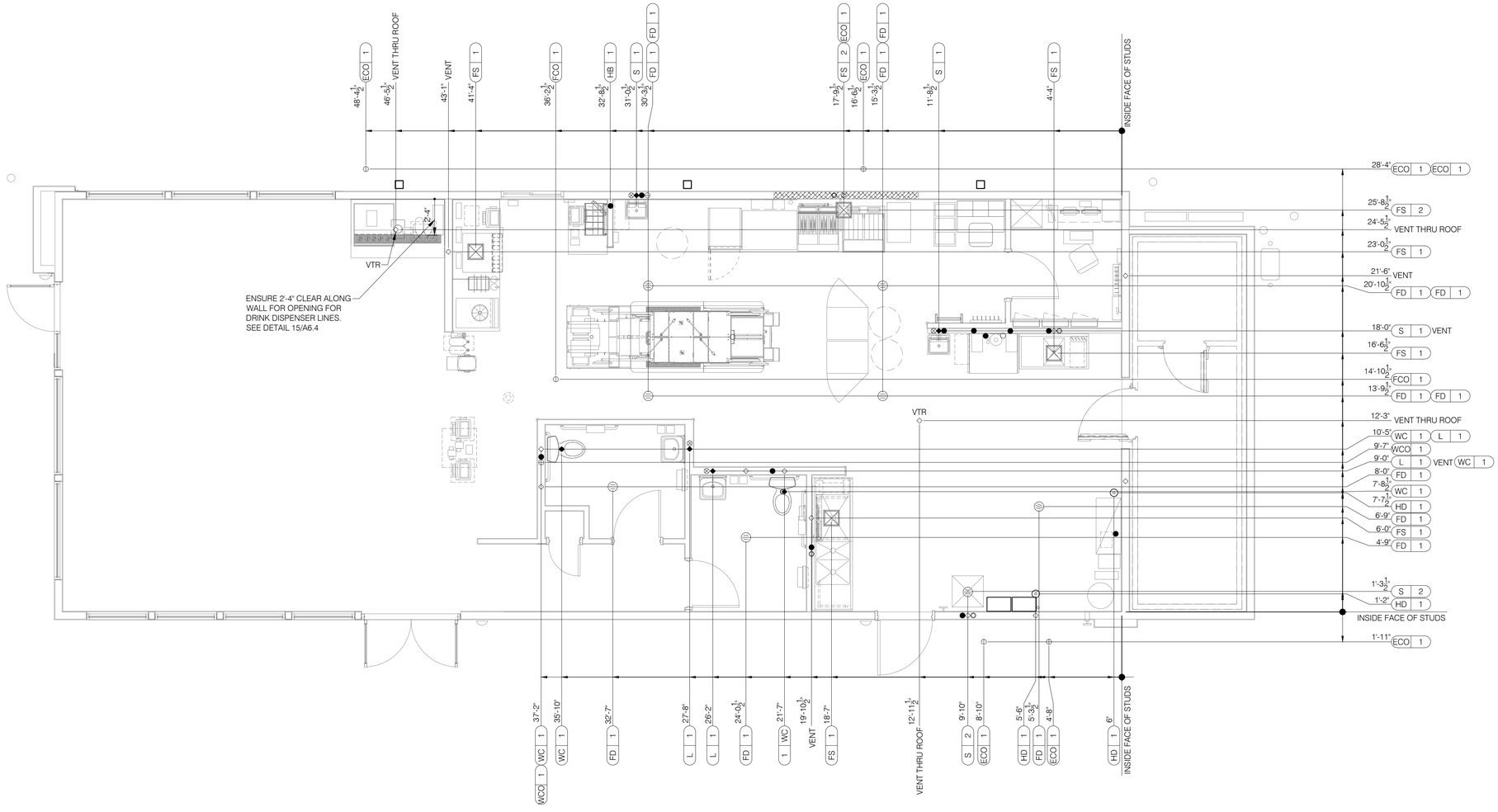
LIVE MAS

MEDIUM 40

WATER AND GAS PLAN

P3.0

PERMIT PLOT DATE:



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

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--
FS 2	FLOOR SINK			EPOXY COATED CAST IRON
FD 1	FLOOR DRAIN			--
HD 1	HUB DRAIN			--
WH 1	WATER HEATER	CW/G		--
WH 2	WATER HEATER	CW/G		--
WC 1	WATER CLOSET FLUSH VALVE	CW	+29" A.F.F	BOTH HANDICAP AND REGULAR
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.	--
L 1	LAVATORY WASTE LINE	W	+16-1/2" 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 2	MOP SINK FAUCET	CW/HW	+42" A.F.F	CLOSET MOP SINK ONLY
S 3	3-COMPARTMENT SINK	W	+19" A.F.F	--

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F	--
S 4	PREP SINK	W	+19" A.F.F	--
S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F	--
S-513	ICE MAKER	FW	-	VIA SYRUP BUNDLE
C-107	RETHERMALIZER	HW	+8" A.F.F.	
C-107	RETHERMALIZER	G	+12" A.F.F.	
C-046	DOUBLE OPEN FRYER	G	+12" A.F.F.	
S-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
P-250	UTILITY CHASE FOR M.A.P.S. LINE	FW	CLG.	STUB AT CLG.
P-452	FILTER FOR HOT WATER SYSTEM	CW	+24" A.F.F.	

PLUMBING ROUGH-IN SCHEDULE D

- HOT WATER
- COLD WATER
- TEMPERED WATER
- GAS
- FLOOR DRAIN
- FLOOR SINK
- HUB DRAIN
- WASTE OUTLET
- FLOOR CLEANOUT
- WALL CLEANOUT
- FILTERED WATER
- VENT UP FROM UNDER SLAB
- WATER LINE THRU FLOOR.

SYMBOL LEGEND C

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 THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

* CHILLED & FILTERED.

PLUMBING ROUGH-IN NOTES B

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

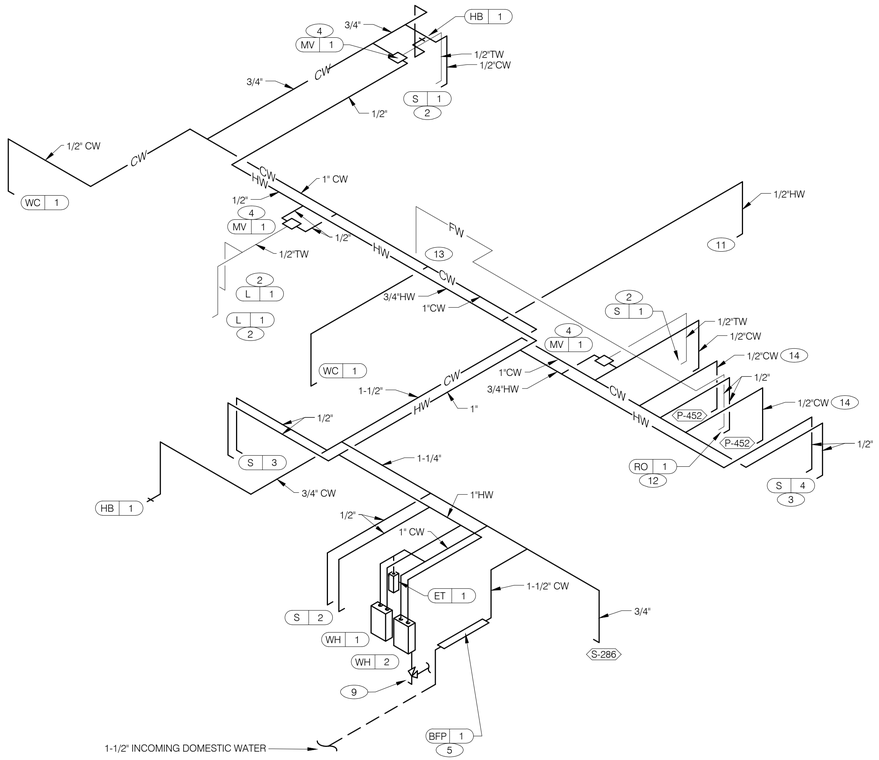
LIVE MAS

MEDIUM 40

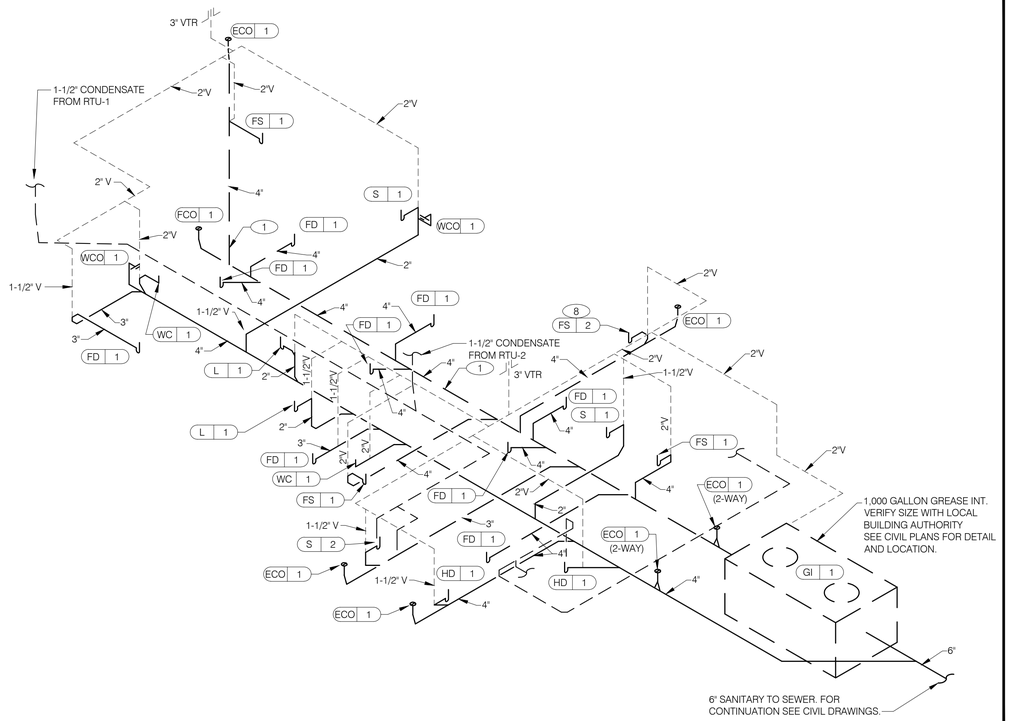
PLUMBING ROUGH-IN PLAN

P4.0

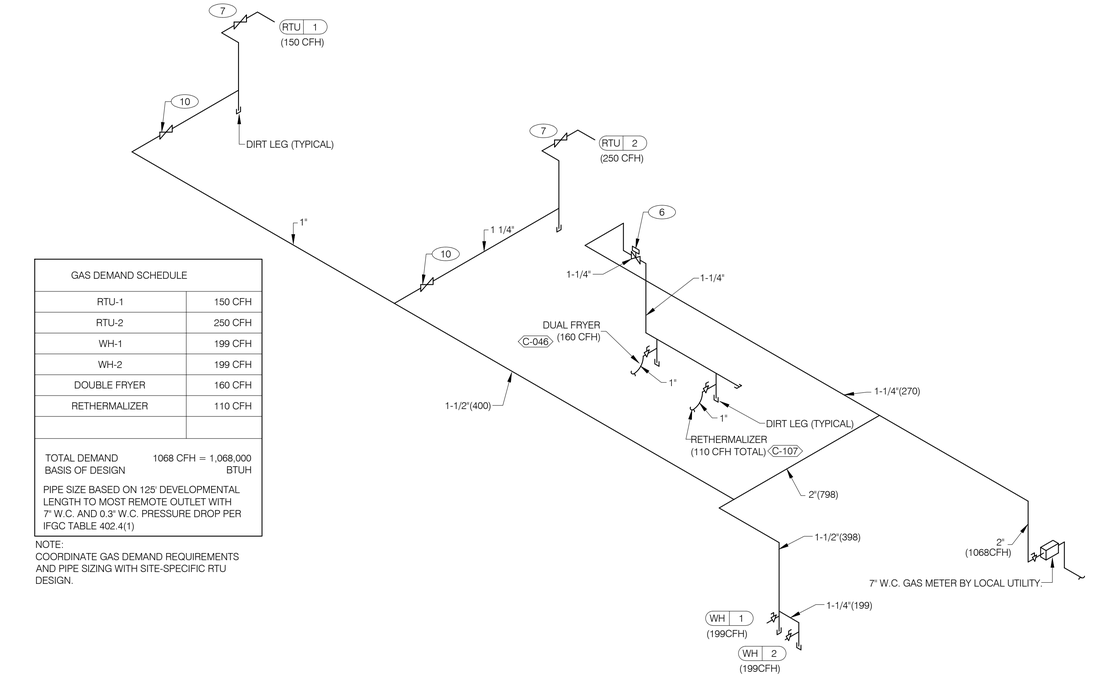
PERMIT PLOT DATE:



WATER ISOMETRIC(SIMILAR) N.T.S. **4**



WASTE AND VENT ISOMETRIC(SIMILAR) N.T.S. **1**

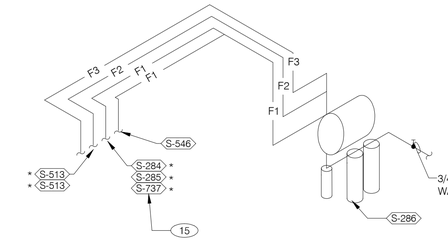


GAS DEMAND SCHEDULE	
RTU-1	150 CFH
RTU-2	250 CFH
WH-1	199 CFH
WH-2	199 CFH
DOUBLE FRYER	160 CFH
RETHERMALIZER	110 CFH
TOTAL DEMAND	1068 CFH = 1,068,000 BTUH
BASIS OF DESIGN	

PIPE SIZE BASED ON 125' DEVELOPMENTAL LENGTH TO MOST REMOTE OUTLET WITH 7" W.C. AND 0.3" W.C. PRESSURE DROP PER IFGC TABLE 402.4(1)

NOTE:
COORDINATE GAS DEMAND REQUIREMENTS AND PIPE SIZING WITH SITE-SPECIFIC RTU DESIGN.

GAS ISOMETRIC N.T.S. **5**



FILTERED EQUIPMENT AND LINES:

S-286 - WATER FILTER

FILTERED LINE (COLD WATER)

S-513 - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER *
S-513 - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER *
S-285 - DRIVE-THRU BEVERAGE DISPENSER *
S-284 - SELF-SERVE BEVERAGE DISPENSER *
S-546 - ICED TEA BREWER
S-737 - FROZEN BEVERAGE DISPENSER *

* FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

FILTERED WATER ISOMETRIC N.T.S. **2**

1. ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR NO HUB CAST IRON AS REQUIRED BY CODE.
2. 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK / LAVATORY.
3. 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
4. THERMOSTATIC MIXING VALVE.
5. REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DWGS.
6. EMERGENCY GAS SHUT-OFF VALVE (NORMALLY CLOSED) SHALL BE ELECTRIC SOLENOID TYPE WITH SPRING RETURN AND 24 VOLT ACTUATOR, SUITABLE FOR USE ON GAS PIPING SYSTEMS. VALVE SHALL BE ACTIVATED BY ANY OF THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM. PROVIDE RELAYS AS REQUIRED TO ACTIVATE SHUT-OFF VALVE.
7. FACTORY GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT.
8. PROVIDE NO HUB CAST IRON PIPE FOR FIRST 10 FEET OF PIPE FROM CONNECTION TO FLOOR SINK FS-2
9. PIPE T&P RELIEF VALVE TO HUB DRAIN, RUN FULL SIZE PIPE FROM VALVE WITH TYPE "K" COPPER TUBING.
10. GAS SHUT-OFF VALVE IN CEILING SPACE BY G.C.
11. 1/2" HOT WATER PIPE DOWN IN WALL. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO TB RETHERMALIZER.
12. 1/2" COLD WATER CONNECT TO REVERSE OSMOSIS FILTER AND 1/2" FILTERED WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF ON CW PIPE PRIOR TO CONNECTION TO FILTER.
13. 1/2" FILTERED WATER FROM REVERSE OSMOSIS FILTER DOWN IN UTILITY CHASE OF M.A.P.S. LINE. PROVIDE SHUT-OFF VALVE ON FW PIPE IN CEILING NEAR UTILITY CHASE.
14. 1/2" COLD WATER TO HOT WATER SYSTEM FILTER.
15. TEE OFF 3/8" LINE FROM DRIVE THRU BEVERAGE DISPENSER FILTERED WATER SUPPLY. SEE DETAIL 16/P6.0.

KEYNOTES **3**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER
REGISTERED
17709
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

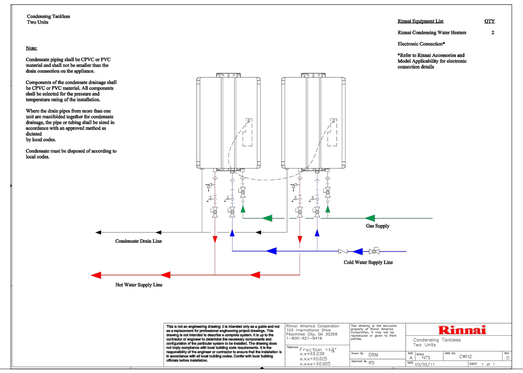
LIVE MAS

MEDIUM 40

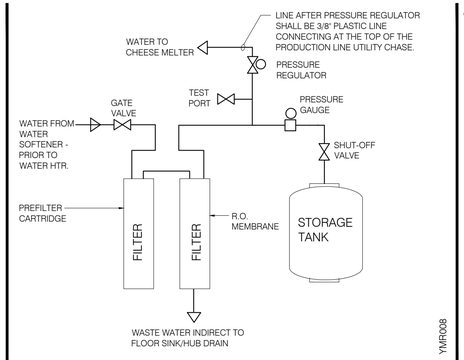
RISER DIAGRAMS

P5.0

PERMIT PLOT DATE:

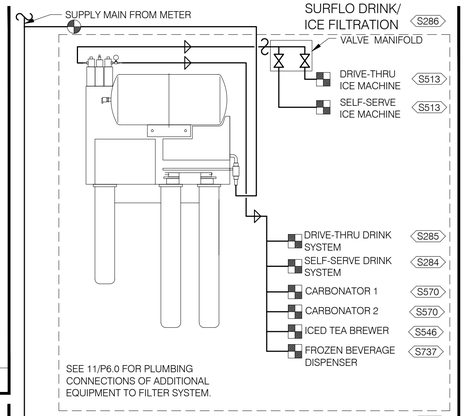


WATER HEATER PIPING DIAGRAM N.T.S. 13



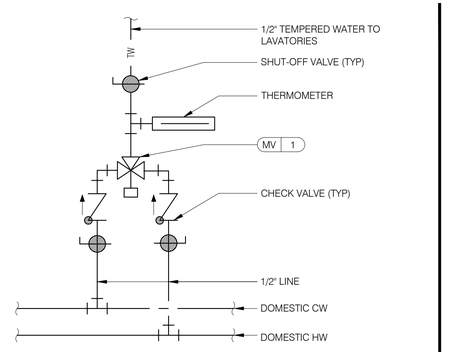
YMR008

REVERSE OSMOSIS SYSTEM N.T.S. 9

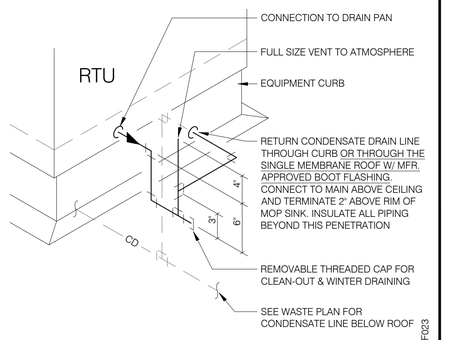


TPS032

WATER FILTRATION SCHEMATIC N.T.S. 6

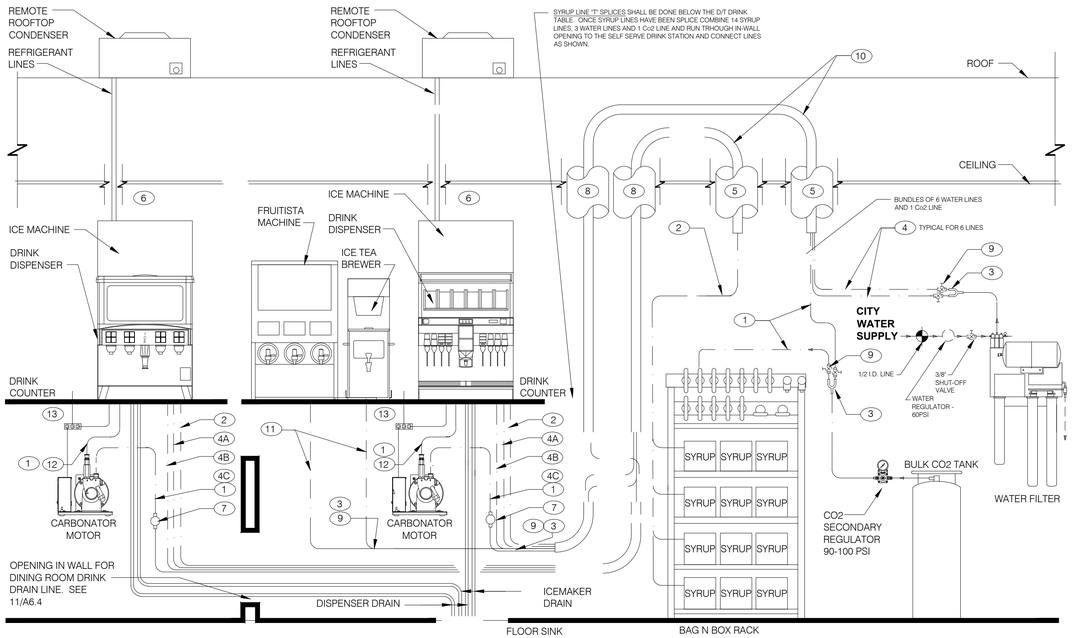


TEMPERING VALVE N.T.S. 1



YMF023

CONDENSATE PIPING N.T.S. 2



KEY NOTES:

1. 3/8" Co2 LINE
2. 14 - 3/8" SYRUP LINE BUNDLE
3. 1/2 X 3/8 X 3/8 "Y"
4. 3/8" FILTERED WATER LINE TO DINING & DRIVE THRU
   A. WATER LINE TO ICE MACHINE
   B. WATERLINE TO WATER DISPENSER VALVE
   C. WATERLINE TO CARBONATOR
5. BUNDLED TUBING CEILING PENETRATION. SEE DETAIL 18/A6.4
6. STAINLESS CHASE SURFACE MOUNTED FROM CEILING TO TOP OF ICE MACHINE
7. PRE-SET Co2 REGULATOR
8. SURFACE MOUNTED S.S. CHASE; ONE FOR EACH BUNDLE. SEE DTL. 15/A6.4
9. 3/8" SHUT OFF VALVES BARB FITTINGS. TYP @ ALL"Y"s
10. DRINK SYSTEM BUNDLED TUBING. SEE DETAIL 12/P6.0
11. 3/8" FILTERED WATERLINE - ICE TEA, FRUITISTA, DRINK MACHINES & ICE MACHINES
12. 3/8" LINE FOR PRESSURIZE FILTERED WATER
13. ELECTRICAL FOR DRINK SYSTEM. SEE SHEET E3.0

GENERAL NOTES:

1. OVERALL FILTER DIMENSIONS: 21" WIDE x 12" DEEP x 48 1/2" HIGH
2. SEE DETAIL SCOPE OF WORK FOR SCOPE DEFINITIONS.
3. ROUGH-INS SHALL BE PROVIDED BY THE CONTRACTOR.
4. INSTALLATION MUST COMPLY WITH ANY STATE OR LOCAL PLUMBING CODES.
5. THE FILTER MUST BE PROTECTED AGAINST FREEZING.
6. USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
7. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
8. SEE THE EQUIPMENT PLAN FOR LOCATION. SEE DETAIL 12 THIS SHEET FOR BUNDLE
9. DETAILS
10. "Y" FOR ICE MACHINES SUPPLY LINES SHALL BE INSTALLED @ FILTER OUTLET.
11. BACKFLOW PREVENTERS FOR FILTER ASSEMBLY ARE PROVIDED.

THERE ARE TWO SELF-SERVE DRINK/ICE SYSTEMS WHICH SHARE A COMMON FLOOR SINK WITH THE D/T DRINK/ICE SYSTEM.

NOTE INSTALL ELECTRICAL, WATER, AND DRAIN IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL CODES.

EQUIPMENT RATING:
ED250 DISPENSER - 115V, 3.5 AMPS
ED300 DISPENSER - 115V, 4.0 AMPS
CARBONATOR - 115V, 60 Hz, 7.0 AMPS
BOOSTER ASSEMBLY - 115V, 60 Hz, 6.5 AMPS

TPS030

DRINK SYSTEM SCHEMATIC N.T.S. 11

NOT USED N.T.S. 7

ALL WORK THIS DETAIL PER DETAILS 6, 11 & 12/P6.0

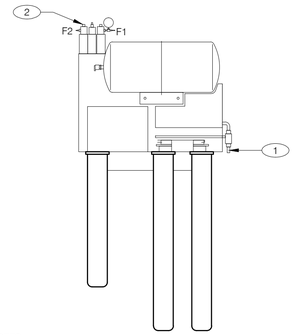
FILTER LINE F1 SUPPLIES BUNDLED TUBE BY PEPSI

1. DRIVE THRU DRINK STATION
2. SELF SERVE DRINK STATION

FILTER LINE F2 SUPPLIES BUNDLED TUBE BY PEPSI

1. ICE MACHINES

WB2-M3-22-003
WATER BOOST MODULAR FILTRATION (WBMF) SYSTEM



KEY NOTES:

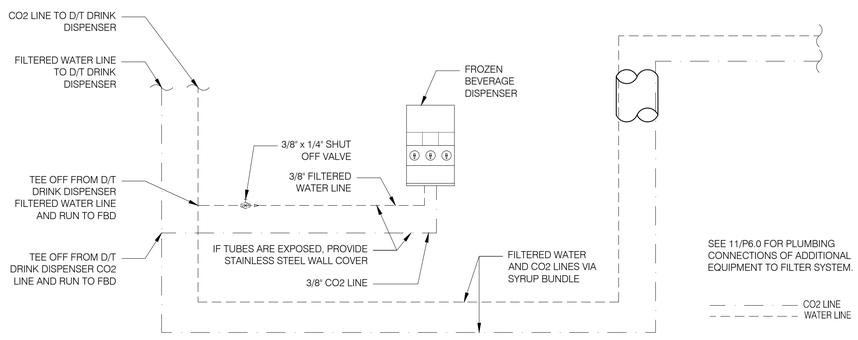
1. 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
2. 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

GENERAL NOTES:

1. OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH
2. SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
3. INSTALLATION MUST COMPLY WITH STATE OR LOCAL PLUMBING CODES.
4. THE UNIT MUST BE PROTECTED AGAINST FREEZING.
5. USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
6. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
7. SEE SHT. A2.0 FOR LOCATION.

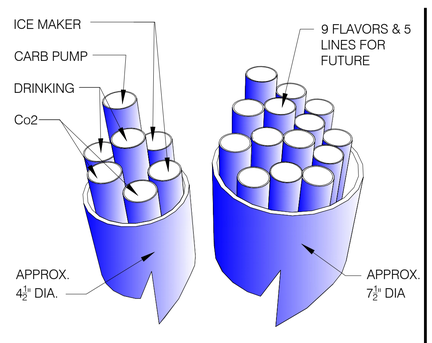
TPW001

WATER FILTER SYSTEM N.T.S. 4

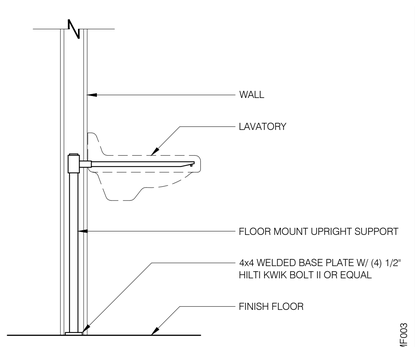


TPS024

DRINK SYSTEM SCHEMATIC DETAIL N.T.S. 16



DRINK MACH. BUNDLE CONFIG. NTS 12



YMF003

LAVATORY SUPPORT N.T.S. 8

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER
REGISTERED
17709
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P – NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS

MEDIUM 40

PLUMBING DETAILS

P6.0

PERMIT PLOT DATE:

NATIONAL ACCOUNTS: SWITCHGEAR

SUPPLY and INSTALL STANDARD PACKAGE

CORPORATE AND FRANCHISE DEVELOPMENT

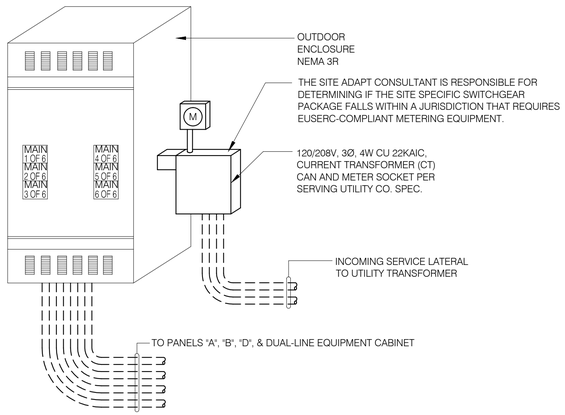
YUM NATIONAL ACCOUNT AGREEMENT IS WITH SQUARE-D FOR ELECTRICAL SWITCHGEAR EQUIPMENT FOR COMPANY AND FRANCHISE DEVELOPMENT. CUTLER-HAMMER ELECTRICAL SWITCHGEAR EQUIPMENT IS AN APPROVED ALTERNATE MANUFACTURER FOR FRANCHISE DEVELOPMENT ONLY.

UNDER THIS AGREEMENT, THE CONTRACTOR IS RESPONSIBLE FOR PURCHASE AND INSTALLATION OF THE SYSTEMS DESCRIBED IN THE PLANS. ALL COMPANY AND FRANCHISE PROJECTS SHALL CONTACT ACCUSERVE FOR A PRICE QUOTE AND A BILL OF MATERIAL CONFIRMATION FOR THEIR SPECIFIC PROJECT. SEE THE SWITCHGEAR SECTION IN THE SCOPE OF WORK FOR ADDITIONAL INFORMATION.

PRIMARY CONTACT: BUDDY BOCKWEG
PHONE: (877) 707-7378
FAX: (502) 961-0357
EMAIL: buddy@accuserv.com

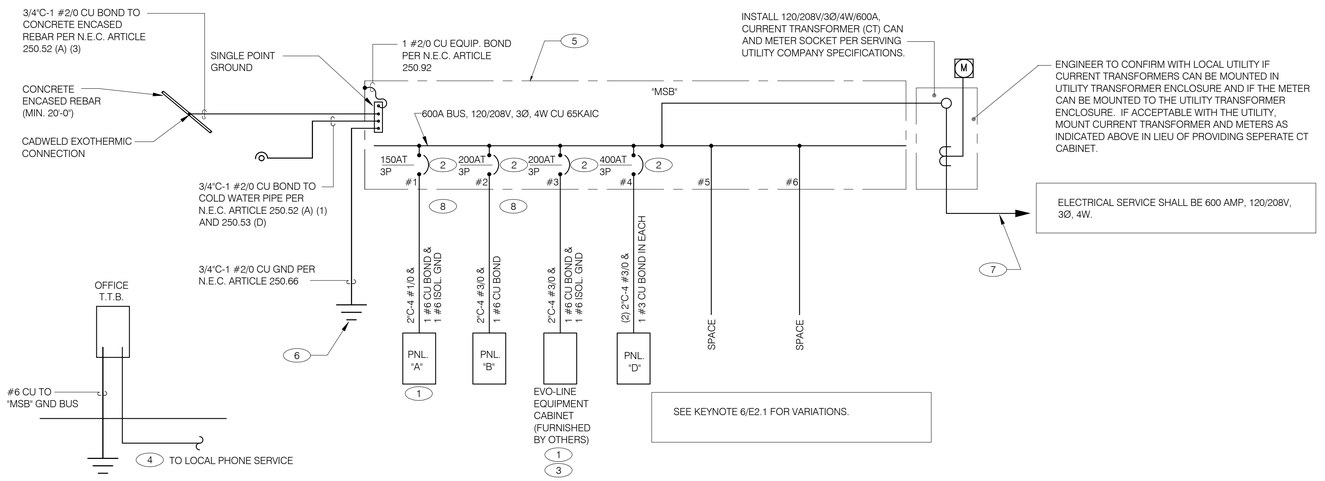
THE SWITCHGEAR PACKAGE CONSISTS OF SERVICE ENTRANCE, SWITCHGEAR, MAIN PANELS, SUB PANELS, LIGHTING CONTACTORS AND ALL ASSOCIATED PRODUCTS TO COMPLIMENT THE SWITCHGEAR PACKAGE.

BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH PROTOTYPICAL DESIGN.



NOTE: CONFIRM DIMENSIONS WITH SUPPLIER

SERVICE ENTRANCE EQUIPMENT ELEVATION - NON-EUSERC PACKAGE | E



SINGLE LINE DIAGRAM | B

	2X4 FLUORESCENT FIXTURE	NL	NIGHT LIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
	2X4 FLUORESCENT FIXTURE WITH BATTERY PACK	S	CEILING MOUNTED SPEAKER		FUSED DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE	S	WALL MOUNTED SPEAKER		NON-FUSED DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE WITH BATTERY PACK	J	JUNCTION BOX	PC	PHOTOCELL
	DOWNLIGHT FIXTURE		WALL MOUNTED JUNCTION BOX	RS	RAIN SENSOR
	SUSPENDED DOWNLIGHT FIXTURE		TELEPHONE OUTLET		FLUORESCENT WALL MOUNT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE		DEDICATED GROUNDED OUTLET		EMERGENCY LIGHT
	TRACK MOUNTED PENDANT LIGHT FIXTURE		DUPLEX GROUNDED OUTLET	$	SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	DIRECTIONAL FIXTURE FIXTURE, TRACK MOUNTED		DOUBLE DUPLEX GROUNDED OUTLET	$P	SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY		GROUND FAULT DUPLEX OUTLET	R	RELAY
	COOLER FIXTURE		GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED		CONDUIT RUN, UNDERGROUND
	EXIT SIGN (WALL MOUNTED)		GROUND FAULT DEDICATED OUTLET		SMOKE DETECTOR
	EXIT SIGN (CEILING MOUNTED)		CEILING DUPLEX OUTLET		EXTERIOR WALL FIXTURE
	SECURITY STROBE		DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
			DOUBLE DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
			DEDICATED ISOLATED GROUND	WPG	WEATHERPROOF GROUND FAULT
			SPECIAL PURPOSE OUTLET		
			CEILING SPECIAL PURPOSE OUTLET		
			ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.		
			HOLD UP EMERGENCY BUTTON		
			ELECTRICAL MOTOR		
		SD	DUCT MOUNTED SMOKE DETECTOR		
		C	CONNECTION TO EQUIPMENT		

ELECTRICAL LEGEND | F

1. THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CKT. BREAKERS LOCATED AT THE DISTRIBUTION PANEL AND THE DOWNSTREAM 10k A.I.C. RATED CIRCUIT BREAKERS AT PANELS 'A', 'B' DUAL-LINE EQUIPMENT CABINET BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE AND DOWNSTREAM 22K A.I.C. RATED CIRCUIT BREAKERS AT PANEL 'D."
2. THE NFPA-70 'SIX SWITCH' MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
3. SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
4. IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
5. COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
6. ALL WIRING SHOWN SHALL BE COPPER TYPE "THHN/THWN" EXCEPT FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD MAY BE ALUMINUM.
7. ARMOR CABLE ACCEPTABLE FOR ALL APPLICATIONS WHERE ALLOWED BY LOCAL CODES. ALL CONDUIT MUST BE CONCEALED U.N.O..

GENERAL NOTES | D

(1) WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. 'DO NOT COMBINE COMMON GND TO ISOLATED GROUND'.

(2) 6 BUILDING MAIN DISCONNECT FOR THIS SERVICE:
(MAXIMUM 6 MAINS PER N.E.C)
LABEL EACH MAIN BREAKER AS INDICATED: "MAIN 1 OF 6" (ENGRAVED LETTERS x 3/4" HIGH)
"MAIN 2 OF 6"
"MAIN 3 OF 6"
"MAIN 4 OF 6"
"MAIN 5 OF 6"
"MAIN 6 OF 6"

(3) EQUIPMENT CABINET IS FURNISHED WITH EVO LINE.

(4) PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE.

(5) VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY CO. AND CONFIRM 65 KAIC RATED EQUIPMENT IS SUFFICIENT.

(6) (3) 5/8" DIA. x 10'-0" COPPER CLAD GROUND RODS. INSTALL 10'-0" APART AND CONNECT GROUND SYSTEM PER N.E.C ARTICLE 250.

(7) INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350kcmil IN EACH OF (2) 3-1/2"C. TO PAD MOUNT TRANSFORMER. GC / ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINUM CONDUCTORS ARE USED PROVIDE 4#500kcmil IN EACH (2) 3-1/2"C.

KEY NOTES | C

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER — REGISTERED — 17709 — STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

01.08.16

D	MISC.CHANGES	10.25.13

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

LIVE MAS

MEDIUM 40

RISER DIAGRAM AND LEGEND

NON-EUSERC

E2.0

PERMIT PLOT DATE:

CIRCUIT NO.	GRND WIRE SIZE	# WIRES & SIZE	A&E NO.	LOAD DESCRIPTION	LOAD	WATTS A	WATTS B	WATTS C	TRIP AMPS	POLE	PHASE	POLE	TRIP AMPS	WATTS A	WATTS B	WATTS C	LOAD	LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.
D-1	#12	3 #12	W-053	WALK-IN COOLER	M	1621			20	1	A	-	-	0			-	SPACE	-	-	-	D-2
D-3	-	-	-	-	M		1621		-	-	B	1	20		0		-	SPARE	-	-	-	D-4
D-5	-	-	-	-	M			1621	-	3	C	1	20			0	-	SPARE	-	-	-	D-6
D-7	#10	3 #10	W-053	WALK-IN FREEZER	M	1321			15	-	A	1	20	500			M	MUSIC SYSTEM (MUZAK)	F-131	2#12	#12	D-8
D-9	-	-	-	-	M		1321		-	-	B	1	15		264		M	ICE MAKERS S/S & D/T (2)	S-513	2 #12	#12	D-10
D-11	-	-	-	-	M			1321	-	3	C	-	20			1306	M	ICE MACHINE CONDENSER	S-513	2 #10	#10	D-12
D-13	-	-	-	SPARE	-	0			20	1	A	2	-	1306			M	-	-	-	-	D-14
D-15	-	-	-	SPARE	-		0		20	1	B	-	20		1306		M	ICE MACHINE CONDENSER	S-513	2 #10	#10	D-16
D-17	-	-	-	SPARE	-			0	20	1	C	2	-			1306	M	-	-	-	-	D-18
D-19	#12	2 #12	N-043	POWER SOAK	K	1169			15	-	A	1	15	700			H	EF-2 (RESTROOM)	-	2 #12	#12	D-20
D-21	-	-	-	-	K		1169		-	2	B	-	-		0		-	SPARE	-	-	-	D-22
D-23	#12	2 #12	E-275	HOOD FIRE SUPPRESSION SYSTEM (1)	M			720	20	1	C	-	-			0	-	SPARE	-	-	-	D-24
D-25	#12	2 #12	-	IRRIGATION TIMER	M	360			20	1	A	1	20	1800			M	UTILITY RECEPTACLE	-	2 #12	#12	D-26
D-27	#12	2 #12	-	ROOF RECEPTACLES	M		540		20	1	B	1	20		1180		H	EF-1 (HOOD)	E-275	2 #12	#12	D-28
D-29	#12	2 #12	B-223	WATER HEATER IGNITION	M			180	20	1	C	-	-			0	-	SPACE	-	-	-	D-30
D-31	#8	3 #4	-	RTU-1	H	5122			50	-	A	-	-	0			-	SPACE	-	-	-	D-32
D-33	-	-	-	-	H		5122		-	-	B	1	20		540		M	UTILITY RECEPTACLES	-	2 #12	#12	D-34
D-35	-	-	-	-	H			5122	-	3	C	-	-			0	-	SPACE	-	-	-	D-36
D-37	#8	3 #3	-	RTU-2	H	8880			80	-	A	1	20	1120			M	UTILITY RECEPTACLE/VSAT (F-050 & U-061)	-	2 #12	#12	D-38
D-39	-	-	-	-	H		8880		-	-	B	-	30		3120		K	FROZEN BEVERAGE DISPENSER	S-737	2#10	#10	D-40
D-41	-	-	-	-	H			8880	-	3	C	2	-			3120	K	-	-	-	-	D-42
						18473	18653	17844						5426	6410	5732						

WATTS: BUS A 23899
BUS B 25063
BUS C 23576
TOTAL 72538

HVAC EQUIPMENT = 43886 W
KITCHEN EQUIPMENT = 8578 x 0.65 = 5576 W
OTHER LOADS (MISC.) = 20074 W
LIGHTING = 0 x 1.25 = 0 W
TOTAL LOAD= 69536 W
TOTAL CURRENT= 193 A

PANEL D ELECTRICAL DATA 120/208V PANEL TYPE NQOD
MOUNTING FLUSH MAINS 400A M.L.O. PHASE 3Ø, 4W
NEUTRAL BUS AMPACITY 400A GROUND BUS AMPACITY 225A
A.I.C. RATING 65KAIC SERIES RATED UTILIZING 22KAIC CIRCUIT BREAKERS

PANEL | **D**

NOT USED | **H**

CIRCUIT NO.	GRND WIRE SIZE	# WIRES & SIZE	A&E NO.	LOAD DESCRIPTION	LOAD	WATTS A	WATTS B	WATTS C	TRIP AMPS	POLE	PHASE	POLE	TRIP AMPS	WATTS A	WATTS B	WATTS C	LOAD	LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.
A-1	#12	2 #12	S-285	BEVERAGE DISPENSER D/T	K	420			20	1	A	1	20	1780			K	ICE TEA EQUIPMENT	S-546	2#12	#12	A-2
A-3	#12	2 #12	S-284	BEVERAGE DISPENSER S/S	K		480		20	1	B	1	20		1200		M	POS/ORDER ENTRY TERMINALS (2) & U-070 (2)	U-100	2 #12	#12	A-4
A-5	#12	2 #12	R-009	FULL HEIGHT FREEZER	K			1080	20	1	C	1	20			360	M	SAFE W/AUDIT LOCK IG / FUTURE F-174	F-171	2 #12	#12	A-6
A-7	-	-	-	SHUNT TRIP BREAKER	-	-			20	1	A	1	20	864			K	CARBONATOR	S-570	2 #12	#12	A-8
A-9	#10	2 #10	P-452	HOT WATER DISPENSER	K		2013		30	-	B	1	20		1200		M	POS/ORDER ENTRY TERM (1) & U-070 (1)	U-100	2 #12	#12	A-10
A-11	-	-	-	-	K			2013	-	2	C	-	-			0	-	SPACE	-	-	-	A-12
A-13	#12	2 #12	S-005	HEATED CABINET	K	1920			20	1	A	1	20	600			M	CCTV DVR & MONITOR	U-035	2 #12	#12	A-14
A-15	#12	2 #12	F-040	OFFICE COMPUTER	M		300		20	1	B	1	20		1200		M	POS/ORDER ENTRY TERM (2) & U-070 (1)	U-100	2 #12	#12	A-16
A-17	#12	2 #12	U-052	OFFICE SECURITY SYSTEM (1)	M			300	20	1	C	1	20			360	M	TIMERS (C-400 + P-417)	NOTE	2 #12	#12	A-18
A-19	#12	2 #12		OFFICE RECEPTACLES	M	540			20	1	A	1	20	864			K	CARBONATOR	S-570	2 #12	#12	A-20
A-21	#12	2 #12	L-090	ORDER CONFIRMATION BOARD/SWITCH BOX	M		130		20	1	B	1	20		480		M	DT COMM SYS BASE STATION	U-024	2 #12	#12	A-22
A-23	#12	2 #12	"	SPACE	M			0	20	1	C	1	20			360	K	RETHERMALIZER	C-107	2 #12	#12	A-24
A-25	#12	2 #12	S-540	PEPSI BOOSTER TANK/CO2 MONITOR	M	540			20	1	A	1	20	-			-	SHUNT TRIP BREAKER	-	-	-	A-26
A-27				SPARE			0		-	-	B	1	20		420		M	TIMER	C-400	2 #12	#12	A-28
A-29	-	-	-	SPACE	-			0	-	1	C	1	20			-	-	SHUNT TRIP BREAKER	-	-	-	A-30
A-31	-	-	-	SPACE	-	0			20	1	A	1	20	180			M	KITCHEN MONITOR - IG	U-238	2 #12	#12	A-32
A-33	-	-	-	SPACE	-		0		20	1	B	1	20		864		M	D/T TIMING SYSTEM	S-204	2 #12	#12	A-34
A-35	#10	2 #10	P-452	HOT WATER DISPENSER	K			2013	30	-	C	1	15			1425	K	POD BREWER	S-547	2 #12	#12	A-36
A-37	-	-	-	-	K	2013			-	2	A	1	20	-			-	SHUNT TRIP BREAKER	-	-	-	A-38
A-39	-	-	-	-	-		0		20	1	B	1	20		816		K	DUAL VAT FRYER	C-046	2 #12	#12	A-40
A-41	#12	2 #12	S-004	HEATED CABINET	K			1920	20	1	C	-	-			-	-	SHUNT TRIP BREAKER	-	-	-	A-42
						5433	2923	7326						4288	6180	2505						

WATTS: BUS A 9721
BUS B 9103
BUS C 9831
TOTAL 28655

KITCHEN EQUIPMENT = 19981 x .65 = 12988 W
OTHER LOADS (MISC.) = 8674 W
TOTAL LOAD= 21662 W
TOTAL CURRENT= 60 A

PANEL A ELECTRICAL DATA 120/208V PANEL TYPE NQOD
MOUNTING FLUSH MAINS 225A M.L.O. PHASE 3Ø, 4W
NEUTRAL BUS AMPACITY 225A GROUND BUS AMPACITY 225A
A.I.C. RATING 65KAIC SERIES RATED UTILIZING 10KAIC CIRCUIT BREAKERS

KITCHEN EQUIPMENT PANEL | **A**

CIRCUIT NO.	GRND WIRE SIZE	# WIRES & SIZE	A&E NO.	LOAD DESCRIPTION	LOAD	WATTS A	WATTS B	WATTS C	TRIP AMPS	POLE	PHASE	POLE	TRIP AMPS	WATTS A	WATTS B	WATTS C	LOAD	LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.
B-1	#12	2 #12	-	KITCHEN LIGHTS (5)	L	480			20	1	A	1	20	0			-	SPACE	-	-	-	B-2
B-3	-	-	-	SPARE	H		0		20	1	B	1	20		360		L	DINING ROOM LIGHTS (4)	-	2#12	#12	B-4
B-5	#12	2 #12	-	COOLER/FREEZER LIGHTS (5)	L			800	20	1	C	1	20			0	-	SPACE	-	-	-	B-6
B-7	-	-	-	SPARE	M	0			20	1	A	1	20	1076			L	INTERIOR MENU BOARD & REMOTE ALARM LT	L-015	2 #10	#10	B-8
B-9	#10	2 #10	-	OUTSIDE LIGHTS (2)	L		658		20	1	B	-	-		0		-	SPACE	-	-	-	B-10
B-11	-	-	-	SPARE	-			0	20	1	C	-	-			0	-	SPACE	-	-	-	B-12
B-13	-	-	-	SPARE	-	0			20	1	A	-	-	0			-	SPACE	-	-	-	B-14
B-15	#10	2#10	-	MENU BOARD @ D/T (2)	L		500		20	1	B	1	20		840		L	PARKING LIGHTING (2) (3)	-	2 #10	#10	B-16
B-17	-	-	-	SPARE	-			0	20	1	C	1	20			1050	L	PARKING LIGHTING (2) (3)	-	2 #10	#10	B-18
B-19	#12	2 #12	-	SHOW WINDOW	L	1200			20	1	A	1	20	1500			L	SHOW WINDOW	-	2 #12	#12	B-20
B-21	#12	2 #12	-	SHOW WINDOW	L		1200		20	1	B	1	20		1500		L	SHOW WINDOW	-	2 #12	#12	B-22
B-23	#12	2 #12	-	SHOW WINDOW	L			1200	20	1	C	-	-			0	-	SPARE	-	-	-	B-24
B-25	#12	2#12	-	SHOW WINDOW	L	1200			20	1	A	-	-	0			-	SPARE	-	-	-	B-26
B-27	#10	2 #10	-	BUILDING SIGNS (2)	L		1200		20	1	B	1	20		0		-	SPARE	-	-	-	B-28
B-29	#10	2 #10	-	PYLON SIGN (2)	L			1200	20	1	C	1	20			0	-	SPARE	-	-	-	B-30
B-31	#10	2 #10	-	DIRECTIONAL SIGNS (2) OPTIONAL	L	1200			20	1	A	-	-	0			-	SPACE	-	-	-	B-32
B-33	#12	2#12	-	LIGHTING CONTROLS (1)	M		500		20	1	B	-	-		0		-	SPACE	-	-	-	B-34
B-35	#10	2#10	-	BUILDING SIGNS (2)	L			360	20	1	C	-	-			0	-	SPACE	-	-	-	B-36
B-37	-	-	-	SPARE	-	0			20	1	A	-	-	0			-	SPACE	-	-	-	B-38
B-39	-	-	-	SPARE	-		0		20	1	B	-	-		0		-	SPACE	-	-	-	B-40
B-41	#10	2#10	-	BUILDING SIGNS (2)	L			1200	20	1	C	-	-			0	-	SPACE	-	-	-	B-42
						4080	4058	4760						2576	2700	1050						

WATTS: BUS A 6656
BUS B 6758
BUS C 5810
TOTAL 19224

LIGHTING = 18724 x 1.25 = 23405 W
OTHER LOADS (MISC.) = 500 W
TOTAL LOAD= 23905 W
TOTAL CURRENT= 67 A

PANEL B ELECTRICAL DATA 120/208V PANEL TYPE NQOD
MOUNTING FLUSH MAINS 225A M.L.O. PHASE 3Ø, 4W
NEUTRAL BUS AMPACITY 225A GROUND BUS AMPACITY 225A
A.I.C. RATING 65KAIC SERIES RATED UTILIZING 10KAIC CIRCUIT BREAKERS

LIGHTING PANEL | **B**

NOT USED | **C**

PANEL	LIGHTING (W) **	KITCHEN EQUIP. (W) ***	HVAC (W)	MISCELLANEOUS (W)	CONNECTED LOAD	DEMAND LOAD (W)
A	-	12988	-	8674	28655	21662
B	23405	-		500	19224	23905
EQUIP. CABINET	-	47664	-	2400	50064	33382
D	-	* 5576	43886	20074	72538	69536
TOTAL	23405	66228	43886	31648	170481	148485

* 8570 x 0.65 = 5576

148485W @ 120/208V, 3Ø-4W = 412 A
LARGEST MOTOR LOAD = 2379 W

LOAD KEY LEGEND		
	LOAD DESCRIPTION	APPLICABLE FACTOR
L	LIGHTING	125% **
K	KITCHEN EQUIPMENT	65% ***
H	HVAC	100%
M	MISC. EQUIPMENT	100%

***KITCHEN EQUIPMENT DEMAND FACTORS PER NEC 2011 SECTION 220.56 ALLOWS FOR PERCENTAGES WITHIN EACH PANEL ACCORDING TO THE FOLLOWING EQUIPMENT QUANTITIES:
1 - 100%; 2 - 100%; 3 - 90%; 4 - 80%; 5 - 70%; 6 AND OVER - 65%.
THESE PERCENTAGES DO NOT CARRY OVER INTO THE LOAD SUMMARY, WHICH IS CALCULATED AT 65% REGARDLESS.

NOT USED

LOAD SUMMARY & LEGEND

GENERAL NOTE:

LIGHTING CIRCUITS INSIDE THE BUILDING SHALL BE WIRED THRU LIGHTING CONTACTORS. REFER TO DETAILS ON SHEET E6.0.

KEY NOTES:

(1) PROVIDE LOCK-ON BREAKER.

(2) CIRCUITS TO BE WIRED THRU EXTERIOR LIGHTING CONTROL RELAY. SEE DETAIL 4/E6.0.

(3) FOR PARKING LOT LIGHTS AND OUTSIDE SIGNS; PROVIDE (5) 3/4"C FROM PANEL "B" AND STUB OUT 10'-0" AWAY FROM THE BUILDING. VERIFY EXACT LOCATION OF STUB PRIOR TO ROUGH-IN. LOADS MAY VARY WITH LOCATION -- VERIFY. VERIFY OUTDOOR VOLTAGE DROP FOR ALL PARKING LIGHTING CIRCUITS.

(4) CIRCUITS TO BE WIRED THRU THE LIGHTING CONTROL RELAY AND SWITCH a. SEE DETAIL 2/E6.0.

(5) CIRCUITS TO BE WIRED THRU THE LIGHTING CONTROL RELAY AND SWITCH b. SEE DETAIL 2/E6.0.

GENERAL NOTES & KEY NOTES

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER — REGISTERED — 17709 — STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

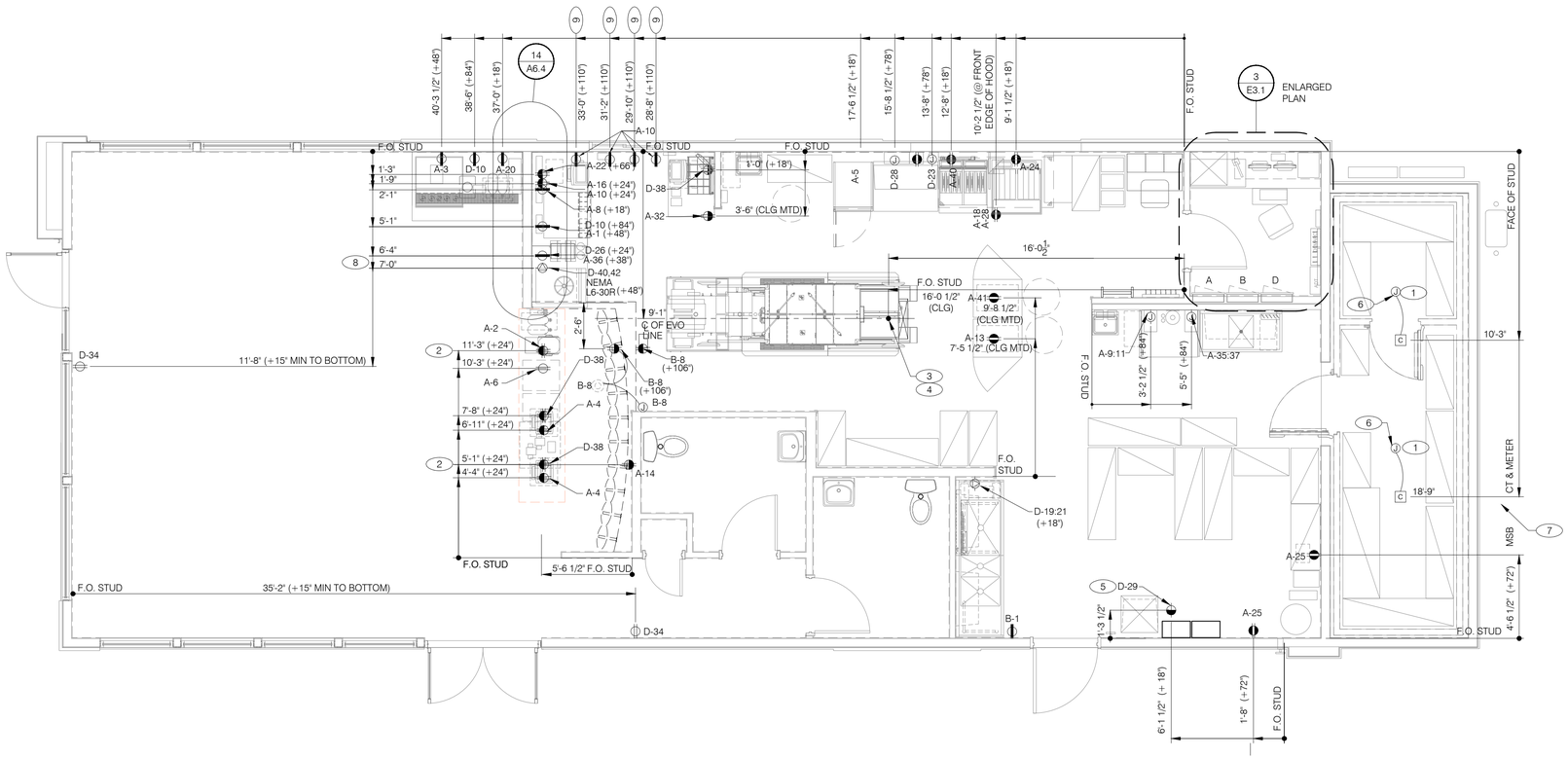
LIVE MAS

MEDIUM 40

PANEL SCHEDULES AND LOAD SUMMARY

E2.1

PERMIT PLOT DATE:



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

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

NOT USED N.T.S. **E**

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.

POWER PLAN GENERAL NOTES **C**

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(B)(3) NEC 2002, ALL 15 AND 20A, 120V RECEPTACLES IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES.

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.

KEY NOTES **B**

1. REFER TO ROOF PLAN.
2. INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY 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 CONDENSOR.
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. ABOVE CEILING FOR WALL MOUNTED HME. SEE 16/E3.1

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

TACO BELL
LIVE MAS
MEDIUM 40

POWER FLOOR PLAN

E3.0

PERMIT PLOT DATE:

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.

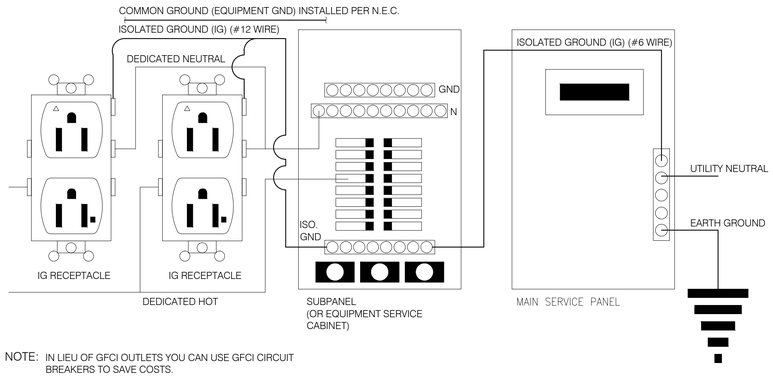
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

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.

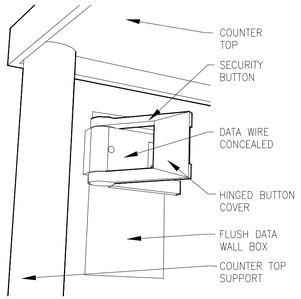
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE 'PHASE ALIGNED' WITH THE 'B' PHASE OF BUILDING SUBPANEL 'A'.



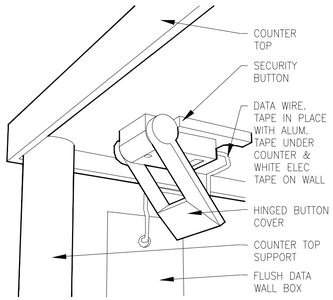
NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS.

YEW011

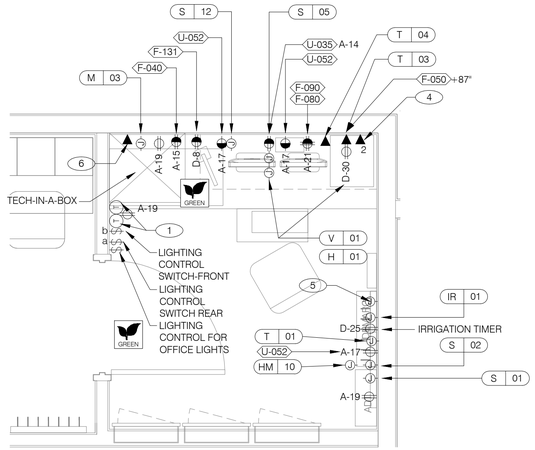
P.O.S. ISOLATED GROUND SYSTEM N.T.S. **14**



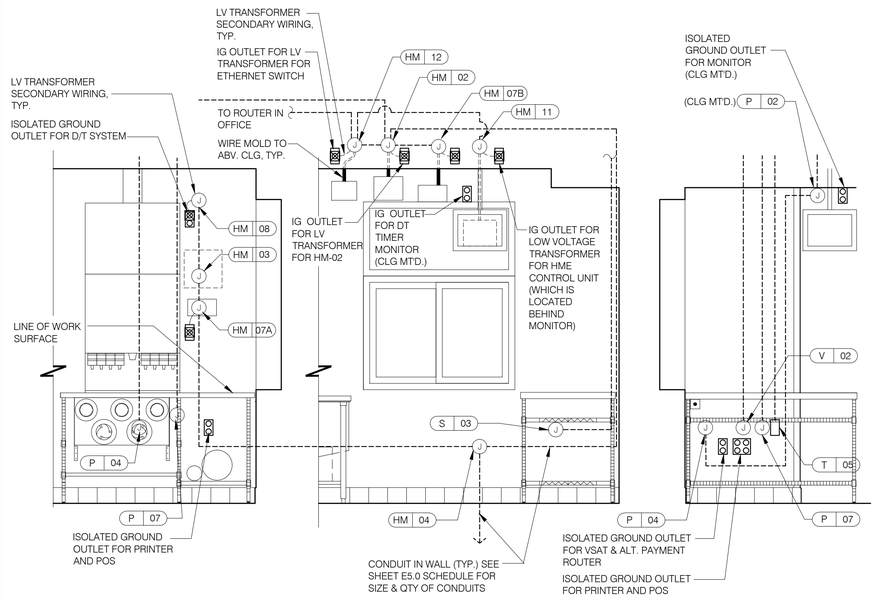
SECURITY BUTTON ON WALL N.T.S. **5**



SECURITY BUTTON UNDER COUNTER N.T.S. **6**



ENLARGED POWER AND COMMUNICATIONS PLAN (OFFICE) 1/2" = 1'-0" **3**



REFER TO COMMUNICATIONS SCHEDULE ON SHEET E5.0 FOR EQUIPMENT DESCRIPTIONS/MOUNTING HTS.

ENLARGED INTERIOR ELEVATION (D/T WINDOW) 1/2" = 1'-0" **16**

NOT USED N.T.S. **8**

1. THERMOSTATS CONTROLS.
2. DISPLAY UNIT FOR HM-02.
3. DUAL-OUTPUT DETECTOR FOR HM-02.
4. PHONE JACK FOR MODEM.
5. LOCATION OF FAN & LIGHT CONTROL BOX. COORDINATE EXACT LOCATION IN FIELD.
6. DATA JACK FOR TECH-IN-A-BOX WITH 2 PORTS.

KEY NOTES N.T.S. **A**

kathleen day, architect
6535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

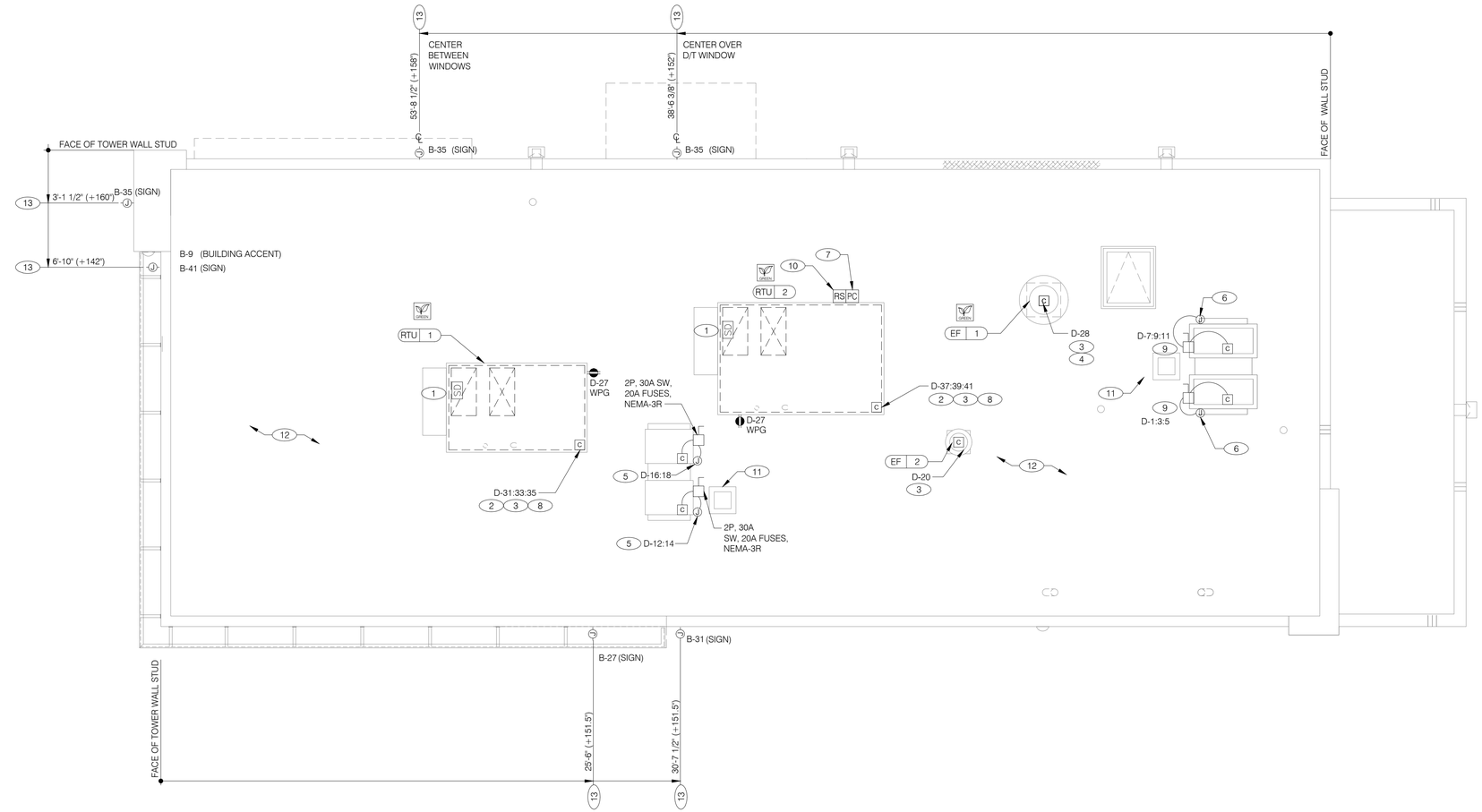
LIVE MAS

MEDIUM 40

ENLARGED POWER PLAN AND DETAILS

E3.1

PERMIT PLOT DATE:



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

NOT USED F

NOT USED E

NOT USED D

POWER ROOF PLAN NOTES C

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 MFR'S 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) ALLOWED WHERE ACCEPTABLE BY CODE.

KEY NOTES B

1. PROVIDE CONNECTION FROM RETURN AIR DUCT SMOKE DETECTORS TO MECH CONTROL CIRCUIT PER DETAIL 2/E6.0, AND FIRE ALARM SYSTEM (IF PRESENT).
2. SPECIFIED RTU IS SUPPLIED WITH THRU THE BASE ELECTRICAL CONNECTIONS AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURES AND ACCESS THRU SWINGING DOOR.
3. POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT.
4. CONNECT TO EF-1 RELAY. SEE LIGHTING PLAN FOR EXACT LOCATION.
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. MOUNT PHOTOCELL ON NORTH SIDE OF RTU-2. CONNECT TO EXTERIOR LIGHTING CONTROL PANEL.
8. RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT, SINGLE POINT WIRING AND CONVENIENCE OUTLET.
9. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURERS 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. COORDINATE LOCATION OF J-BOX WITH SIGN VENDOR. SEE SCOPE OF WORK.

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER — REGISTERED — 17709 — STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

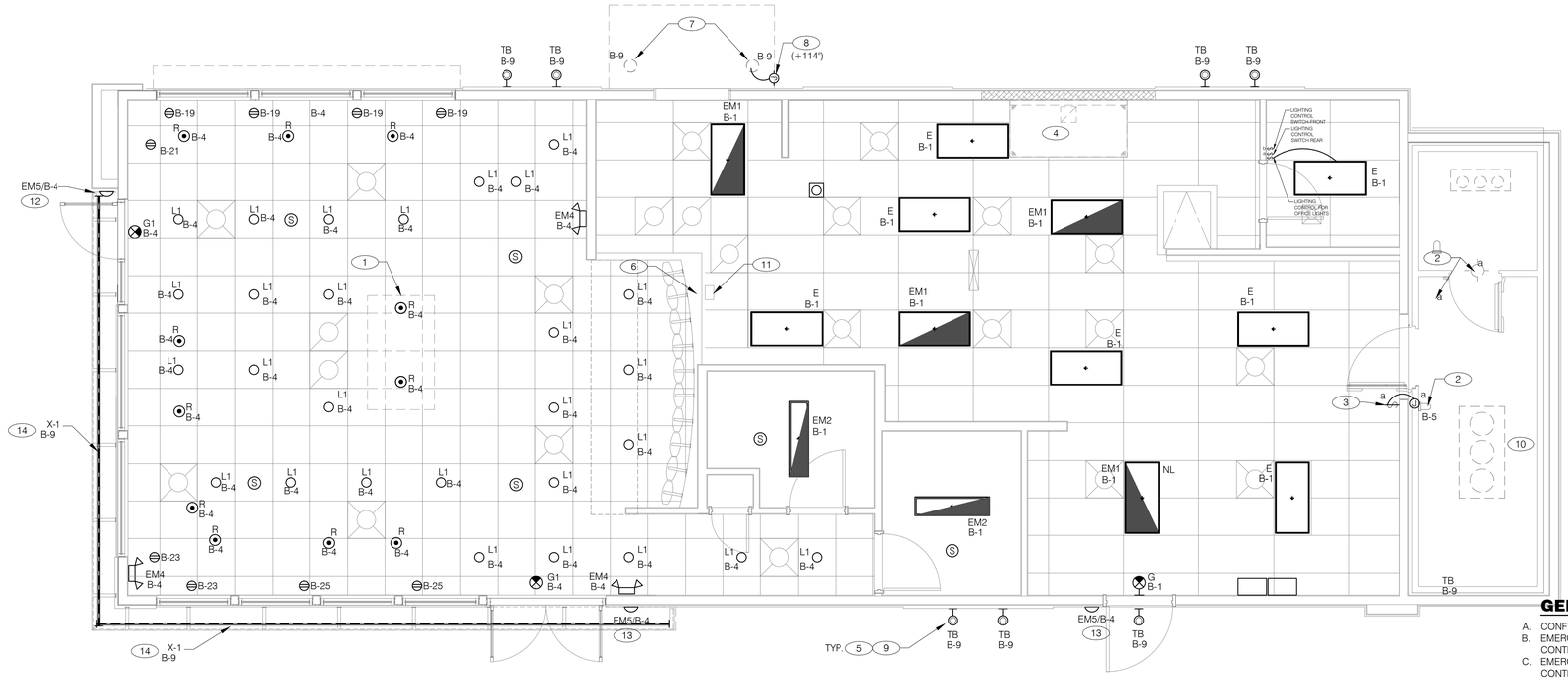
LIVE MAS

MEDIUM 40

POWER ROOF PLAN

E3.2

PERMIT PLOT DATE:



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-(7a).
E. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THRU THE LIGHTING CONTROL RELAYS. SEE 2/E6.0.
F. ALL INTERIOR LIGHTING SHOWN DOWNSTREAM OF PHOTOCELLS SHALL BE WIRED AS SHOWN. SEE 2/E6.0 FOR CLARIFICATION.
G. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
H. ALL FIXTURES SUPPLIED WITH LAMPS.

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

NO.	QTY	LOCATION	MFR / CATALOG NUMBER	DESCRIPTION	LAMP #	LAMP TYPE	BALLAST TYPE	MOUNTING TYPE	MOUNTING HT.	VOLT	WATT	REMARKS
E	7	KITCHEN & OFFICE	ACCU-SERV #E52800443 #2TL4-46L-FW-SWL-D50-LP850-NX-NAEYB	2x4 T-GRID LED TROFFER	-	LED	NA	RECESSED GRID		120	50	-
EM1	4	KITCHEN & OFFICE	ACCUSERV #E52800444 #2TL4-46L-FW-SWL-D50-LP850-NX-EL14L-NAEYB	2x4 T-GRID LED TROFFER	-	LED	NA	RECESSED GRID		120	50	SAME AS E WITH BATTERY BACK-UP
E2	0	RESTROOM	ACCUSERV #E52800437 #TL4-43L-FW-SWL-D46-LP830-NX-NAEYB	1x4 LED TROFFER	-	LED	NA	RECESSED FLANGE		120	46	W/ DRYWALL GRID ADAPTER DGA14, E52800535
EM2	2	RESTROOM	ACCUSERV #E52800438 #TL4-43L-FW-SWL-D46-LP830-NX-EL14L-NAEYB	1x4 LED TROFFER	-	LED	NA	RECESSED FLANGE		120	46	W/ DRYWALL GRID ADAPTER DGA14, E52800535 W/ BATTERY BACK-UP
EM4	3	DINING	ACCUSERV #E52800145 #CAX6	EMERGENCY LIGHT FROG EYE	2		NA	WALL	TOP @ 9'-4" U.O.N.	120	3	UNSWITCHED 'HOT'
G	1	KITCHEN	ACCUSERV #52801118 #EZXTELI2RWEM	EXIT SIGN, LED UNIVERSAL MOUNT LED	-		NA	WALL		120	4	
G1	2	DINING	ACCUSERV #52801118 #EZXTEU2RWEM	EXIT SIGN, LED UNIVERSAL MOUNT LED	-		C	CEILING		120	4	PENDANT MOUNT FIXTURE +9' A.F.F. TO BOTTOM

BALLAST LEGEND

A. 20THD ELECTRONIC T8 THERMALLY PROTECTED C.B.M. APPROVED CLASS P
B. 90 MINUTE EM PRODUCING 350-450 LUMENS
C. 10 THD ELECTRONIC CLASS B CONSUMER END OF LIFE PROTECTED
D. F CAN 100W METAL HALIDE HPF 60HZ
E. 100W PRESSURE SODIUM HPF
F. 100W METAL HALIDE HPF

LIGHTING FIXTURE SCHEDULE C

NO.	QUANTITY	LOCATION	MFR / CATALOG NUMBER	DESCRIPTION	LAMP #	LAMP TYPE	BALLAST TYPE	MOUNTING TYPE	MOUNTING HT.	VOLT	WATT	REMARKS
L1	28	DINING	ACCUSERV #E52800412 #00395-016-RC6-CT6FB	DOWNLIGHT LED RECESSED	1	LED	NA	RECESSED DROP CLG.	BOT @ 9'-4" A.F.F.	120	10.5	
R	11	DINING	ACCUSERV #E52801278 BES00298-052	OPAL GLASS PENDANT	1	11W LED A19 LAMP	NA	PENDANT	6'-0" A.F.F.	120	11	LAMP (60W) EQ WARM WHITE (2700K) LED
TB	8	EXTERIOR WALL	ACCUSERV #E52809190 05247-051 / 052	WALL SCONCE, CUSTOM DARK BRONZE FINISH	2	18W PAR38 LED 18W	F	WALL	CENTER OF BRACKET AT 9'-2" A.F.F.	120	36	ALIGN BOTTOM OF FIXTURE'S MOUNTING BRACKET WITH CHANGE IN EIFS THICKNESS
TC	8	EXTERIOR WALL (LED OPTION)	HI LITE H-ATB-23-L	GOOSENECK LIGHT	1	LED	NA	WALL	CENTER OF BRACKET AT 14'-0" A.F.F.	120	31	
X1	VERIFY	EXTERIOR SLAT WALL	AGILIGHT #LA-APEX-65K-G2	LED STRIP LIGHT	1	LED	WALL			120	3.28/FT	BY SIGN VENDOR
A	7 (VERIFY)	SITE POLE	CIMARRON LED CL1-A-90LU-4K-4-DB-RPA3	1 FXTR. POLE MOUNTED DARK BRONZE FINISHED	1	LED 210W	NA	POLE	25'-0"	120	210	SEE CIVIL PLANS FOR POLE DETAILS
B	1 (VERIFY)	SITE POLE	CIMARRON LED CL1-A-90LU-4K-4-DB-RPA3	2 FXTRS. POLE MOUNTED DARK BRONZE FINISHED	2	LED 210W	NA	POLE	25'-0"	120	420	SEE CIVIL PLANS FOR POLE DETAILS

BALLAST LEGEND

A. 20THD ELECTRONIC T8 THERMALLY PROTECTED C.B.M. APPROVED CLASS P
B. 90 MINUTE EM PRODUCING 350-450 LUMENS
C. 10 THD ELECTRONIC CLASS B CONSUMER END OF LIFE PROTECTED
D. F CAN 100W METAL HALIDE HPF 60HZ
E. 100W PRESSURE SODIUM HPF
F. 100W METAL HALIDE HPF

KEY NOTES B

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 DETAIL 2/E6.0.
5. COORD. J-BOX LOCATION WITH WOOD FRAMING SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY MOUNTING HEIGHT WITH ARCH. DWGS.
6. OUTLET FOR MENU BOARD; SEE SHEET E3.0. VERIFY POINT OF CONNECTION. 10 LIGHT PANELS WIRED IN SERIES. G.C. TO MAKE FINAL CONNECTION.
7. CANOPY DOWN LIGHTS FURNISHED WITH CANOPY. G.C. TO MAKE FINAL CONNECTION.
8. J-BOX FOR CANOPY LIGHTS. VERIFY POINT OF CONNECTION. WIRE VIA EXTERIOR LIGHTING CONTACTOR.
9. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS ON A4.0 AMD A4.1 FOR DIMENSIONED LOCATION OF FIXTURE.
10. SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER. SEE DETAIL 6/E3.1
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 "EM5" AT 8'-6" A.F.G. TO CENTER OF FIXTURE.
13. MOUNT "EM5" AT 8'-0" A.F.G. TO CENTER OF FIXTURE.
14. REFER TO E3.2 FOR POWER TO FIXTURE "X1".

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED PROFESSIONAL ENGINEER 17709 STATE OF WEST VIRGINIA

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE:LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

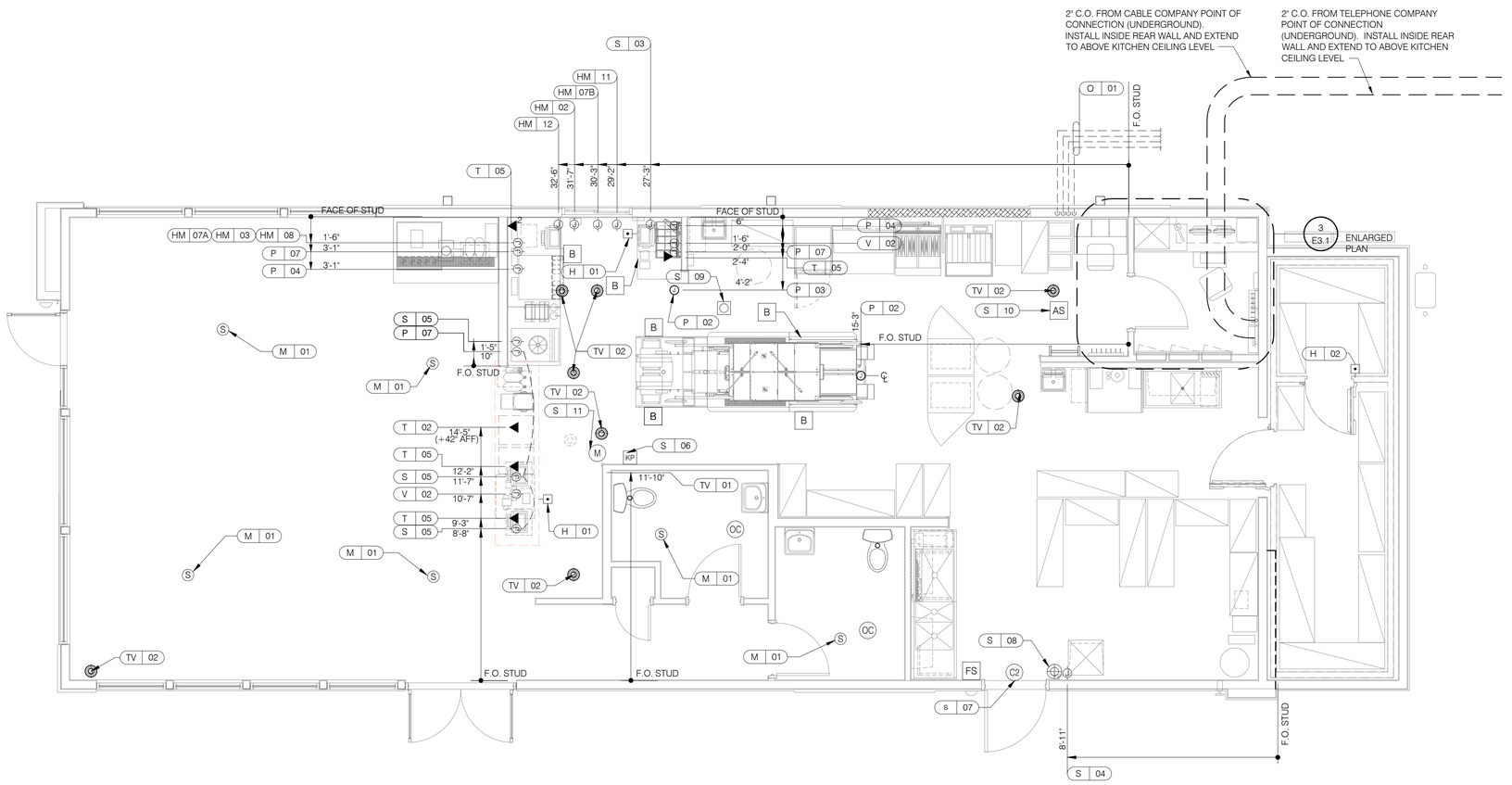
770 National Road
Wheeling, WV 26003

LIVE MAS
BOLD
MEDIUM 40

LIGHTING PLAN AND SCHEDULE

E4.0

PERMIT PLOT DATE:



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

- HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)
- (S) MUSIC SYSTEM SPEAKERS
- SECURITY STROBE
- J-BOX
- 2" x 4" J-BOX W/ DATA PORTS
- (M) MOTION DETECTOR
- (OC) OCCUPANCY SENSOR. CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0
- TECH-IN-A-BOX
- (C1) DOOR CONTACT
- (C2) DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
- "SOUND ALERT" DEVICE
- KP KEYPAD (MTD AT 48" A.F.F.)
- AS ALARM SIREN ABOVE CLG
- B BUMP PAD (MOUNT AT FRONT COUNTER)
- FS HOOD FIRE SUPPRESSION SYSTEM PULL STATION

COMMUNICATIONS LEGEND D

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 SHTS. 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" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

COMMUNICATIONS NOTES E

COM. #	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 COOLER WALL W/ (1) 1/2" CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING DOWN. SEE DETAIL 5/E3.1
HM 01	NOT USED	-	-
HM 02	D/T TIMER SIGNAL PROCESSOR J-BOX	+114" 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. 16/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-07A. SEE DET. 16/E3.1.
HM 04	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X8 J-BOX W/ (1) 1" CONDUIT TO HM-02, (1) 1" CONDUIT TO HM-07A, (1) 1" CONDUIT TO PICK-UP WINDOW D/T LOOP, AND (3) 1" CONDUITS TO D/T MENU BOARD. SEE DET. 16/E3.1.
HM 05	NOT USED		
HM 07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 AND (1) 1"C TO HM-04. SEE DET. 16/E3.1.
HM 07B	D/T TIMER DISPLAY J-BOX	+114" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DET. 16/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 DET. 16/E3.1.
HM 10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ (1) 1" CONDUIT TO ABOVE CEILING
HM 11	D/T CONTROL UNIT J-BOX	+114" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12 . SEE DET 16/E3.1.
HM 12	D/T ETHERNET SWITCH J-BOX	+114" A.F.F.	2X4 J-BOX ABV. CLG W/ (1) 1" CONDUIT TO HM-11, 1" CONDUIT TO HM-02, AND 1" CONDUIT TO OFFICE ROUTER
IR 01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES.
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.
M 03	MUSIC SYSTEM J-BOX	+60" A.F.F.	4X4 J-BOX & COVER W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR MUSIC SYSTEM. SEE SCOPE OF WORK.
O 01	(4) 1" DATA CONDUITS	U.G.	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DET. 4/E7.0.
P 02	KITCHEN MONITOR J-BOX	@ CLG.	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 01	J-BOX SECURITY SYSTEM	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02.

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S 02	J-BOX SECURITY SYSTEM	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01.
S 03	J-BOX SECURITY SYSTEM	+90" 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	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
S 12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR.
T 01	TELEPHONE SERVICE BOX PER LOCAL TELEPHONE COMPANY. PROVIDE 24"X24"X3/4" PLYWOOD PANEL AT CLG. PROVIDE PULL STRING IN 2" CONDUIT.	+48" A.F.F.	PROVIDE (1) 25 PAIR TELEPHONE CABLE. ONLY (2) LINES TO BE USED. LINE ONE FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.
T 02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK.
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	POS PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
	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. TO BTM OF MENU BOARD BULKHEAD.
TV 02	SECURITY CAMERA	BULKHEAD/	MINI-DOME CAMERA. 2X4 J-BOX W/(1) 1/2" CONDUIT TO ABOVE CEILING (8 TOTAL).
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)
V 02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.

COMMUNICATIONS ROUGH-IN SCHEDULE B

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER — REGISTERED — 17709 — STATE OF WEST VIRGINIA — PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P ~ NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL
770 National Road
Wheeling, WV 26003

LIVE MAS
MEDIUM 40

COMMUNICATIONS PLAN

E5.0

PERMIT PLOT DATE:

Taco Bell Interlock Control Box

The intent of the Control Box is to activate or deactivate the following:

- Kitchen Lighting
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Rest room / cook line exhaust fan
- Dining room lighting

Sequence of Operation

Occupied Mode

A Team Member turns on the kitchen lights by flipping a wall switch "up" in the manager's office, placing the kitchen in "Occupied" mode. The switch is installed inverted in the office so that the normal action of flipping the switch up breaks power to the lighting contactor in the Control Box. The contacts in the lighting contactor revert to their normally closed position. This allows power to proceed to the following:

- The restroom and cook line exhaust fan marked "EF-2"
- A light switch in the manager's office for the dining room lights
- The kitchen and rest room lights
- A timer relay for the exhaust hood motor starter marked "EF-1" and a relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

The timer relay for the exhaust hood motor starter immediately activates motor starter EF-1 and relay R1. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Activation of relay R1 causes the contacts for RTU 1 and RTU 2 to close, returning 24 volts to the evaporator fan controller of each respective unit.

Unoccupied Mode

A Team Member turns off the kitchen lights by flipping a wall switch "down" in the manager's office, placing the kitchen in "Unoccupied" mode. The switch is installed inverted in the office so that the normal action of flipping the switch down provides power to the lighting contactor in the Control Box. The contacts in the lighting contactor open from their normally closed position. This breaks power to the following:

- The restroom and cook line exhaust fan marked "EF-2"
- A light switch in the manager's office for the dining room lights
- The kitchen and rest room lights
- Control power to timer relay for the exhaust hood motor starter marked "EF-1" and a relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

The timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay R1 opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

In the event of a rise in temperature above 85 degrees in the exhaust hood, control voltage will be sent to the timer relay for the exhaust hood motor starter which will immediately activate motor starter EF-1 and relay R1. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Upon activation of relay R1, the contacts for RTU 1 and RTU 2 close, returning 24 volts to the evaporator fan controller of each unit.

When in Unoccupied mode and upon a drop in temperature below 85 degrees in the exhaust hood, control voltage to the timer delay is dropped however the timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of control power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay R1 opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

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.
- 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.

CONTROL BOX

CONTROL BOX TO BE PURCHASED AND INSTALLED BY G.C. THE CONTROL BOX INCLUDES THE BOX AND ALL COMPONENTS SHOWN WITHIN THE BOX AND INTERNAL WIRING BETWEEN THE COMPONENTS.

AIR CARE EXPERTS

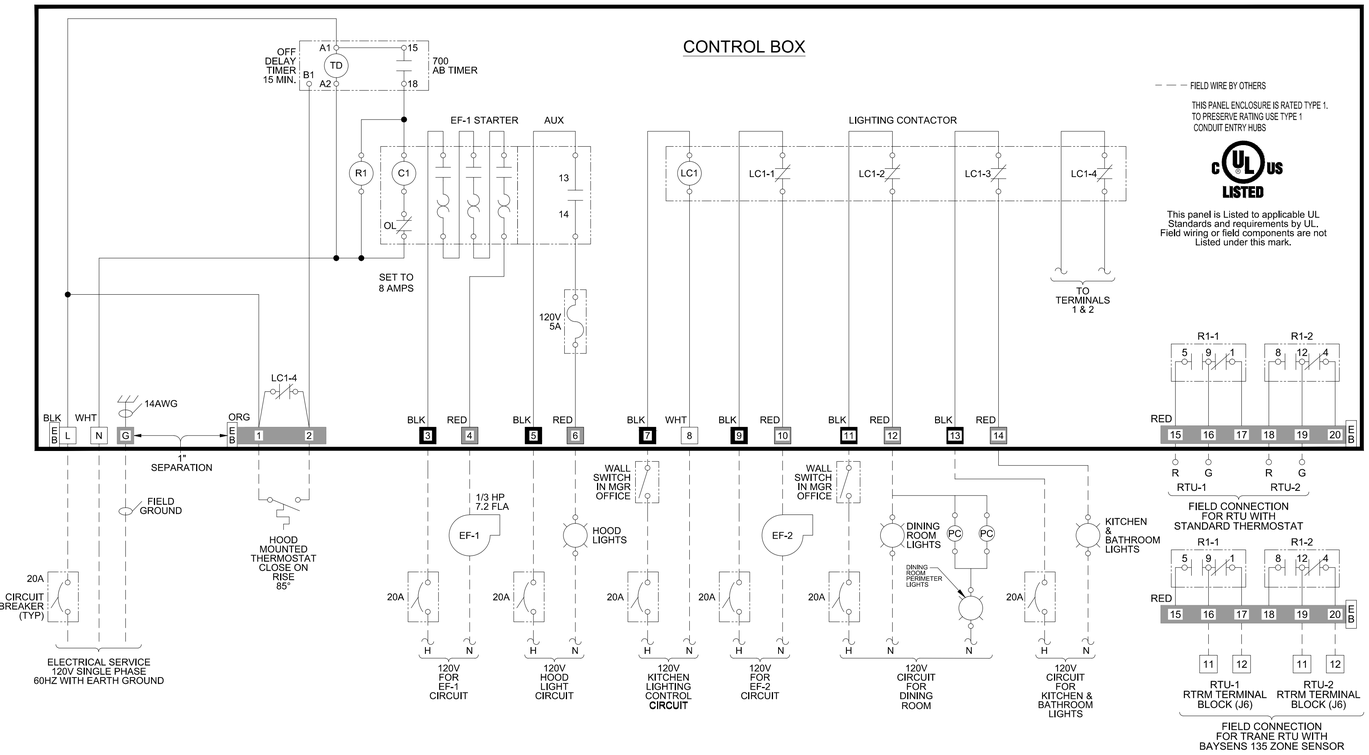
PRIMARY CONTACT: CHUCK MCCABE

PHONE: 949 770 2222

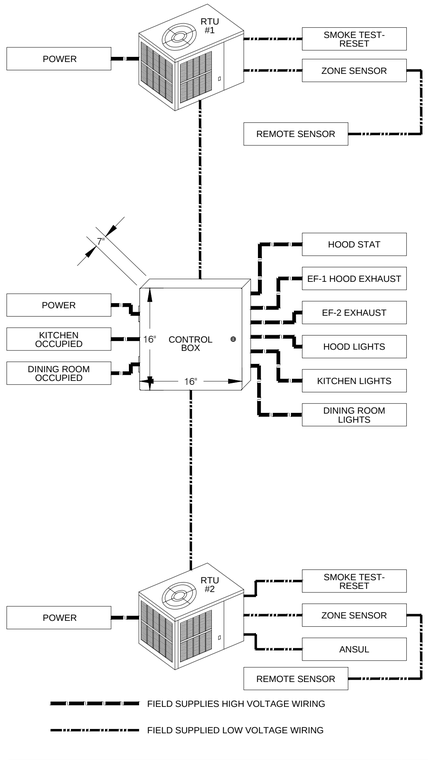
FAX: 949 770 5885

EMAIL: CMCCABE@ACE-IAQ.COM

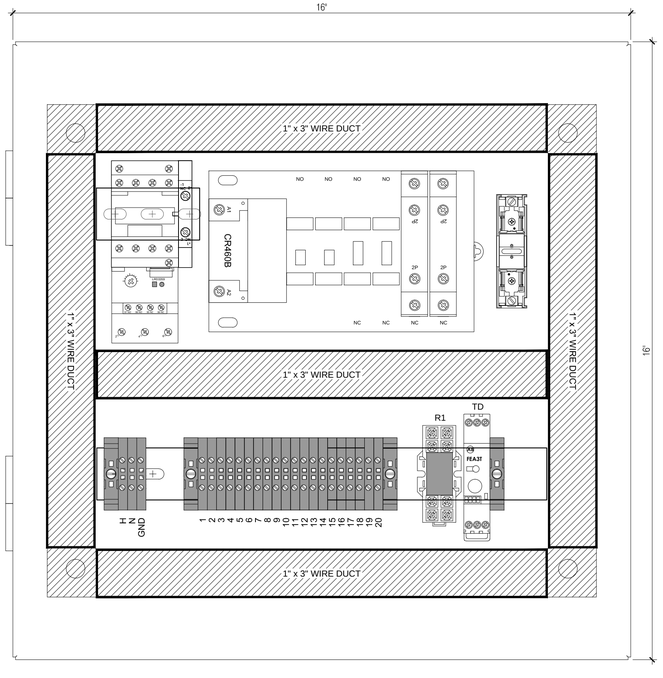
BE PREPARED AT TIME OF ORDER OR QUOTE TO SPECIFY THE MANUFACTURER OF THE PACKAGE UNITS.



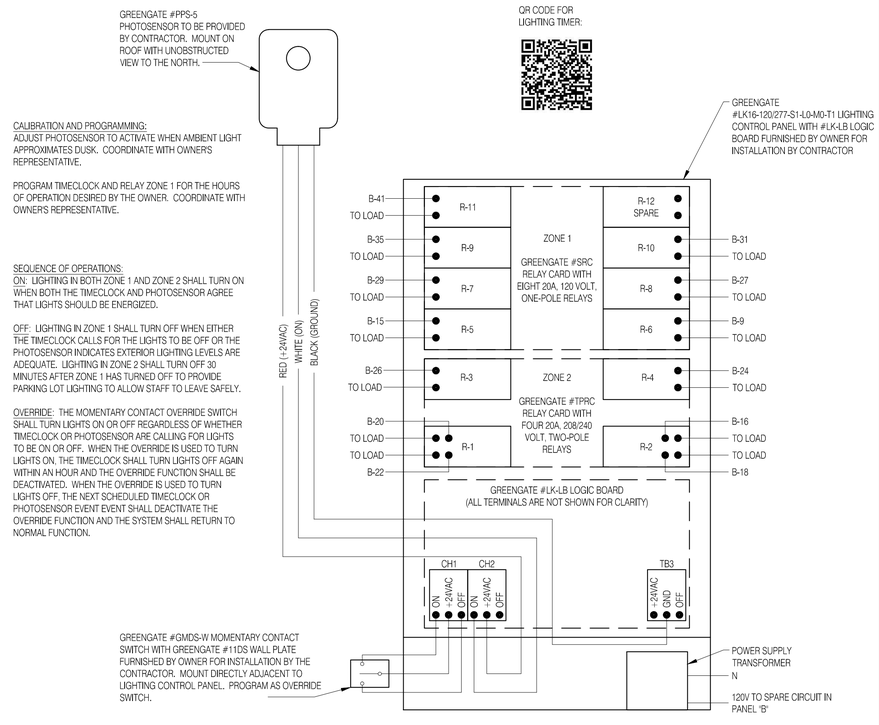
LIGHTING CONTROL RELAY (REAR) AND HOOD AND HVAC INTERLOCK DETAIL N.T.S. | 2



COMPONENT RELATIONSHIP N.T.S. | 20



FAN & LIGHT CONTROL BOX N.T.S. | 12



EXTERIOR LIGHTING CONTROL RELAY N.T.S. | 4

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

BRIAN EDWARD CHANDLER REGISTERED 17709 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

01.08.16

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P -- NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

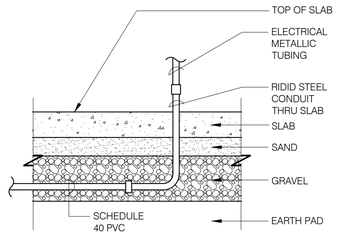
LIVE MAS

MEDIUM 40

ELECTRICAL DETAILS

E6.0

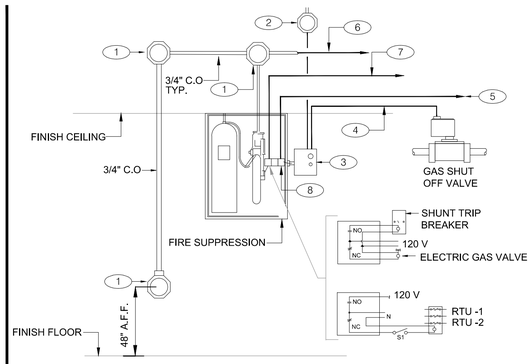
PERMIT PLOT DATE:



NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

YES001

UNDER SLAB CONDUIT N.T.S. **17**



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. INTERCONNECT TO MANUAL RESET RELAY THROUGH MICROSWITCH.
3. MANUAL RESET RELAY FURNISHED WITH UNIT INSTALLED BY E.C.
4. PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO VALVE AND RESET RELAY.
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 TO 'SHUNT TRIP' BREAKER AT PANEL AND MICROSWITCH AT HOOD.
8. SLOT FOR SNAP ACTION MICRO-SWITCH. UP TO FOUR SWITCHES AVAILABLE FOR HOOK-UP.
   SWITCH 1: GAS SHUT-OFF VALVE.
   SWITCH 2: EXH/S.
   SWITCH 3: SHUNT TRIP BREAKER IN ELE PANEL.

FIRE SUPPRESSION SYSTEM WIRING DIAGRAM N.T.S. **9**

NOT USED N.T.S. **1**

kathleen day, architect
8535 ferry road
waynesville, oh 45068
617.331.2545
kathleendayarchitect@gmail.com

ENGINEER:

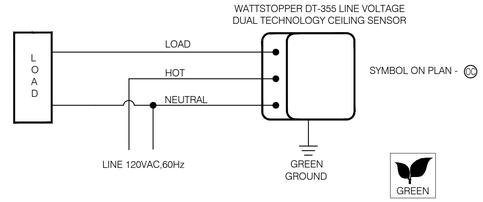
BRIAN EDWARD CHANDLER, PE

1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE: 972.870.1288
E-MAIL: bchandler@idstudio4.com

NOT USED N.T.S. **18**

NOT USED N.T.S. **14**

NOT USED N.T.S. **10**

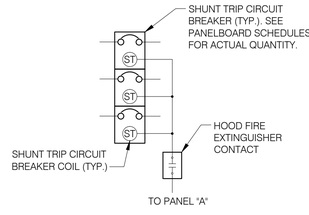


CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. **2**

01.08.16

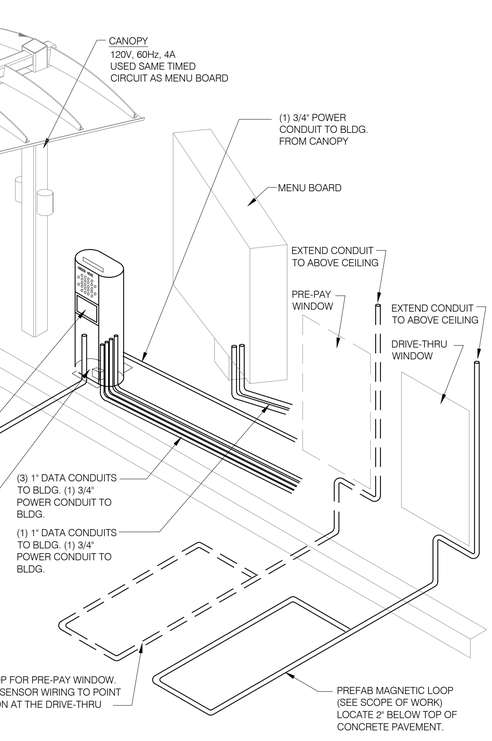
NOT USED N.T.S. **19**

NOT USED N.T.S. **15**



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 IN DETAIL 2/E6.0.

SHUNT TRIP DETAIL N.T.S. **11**

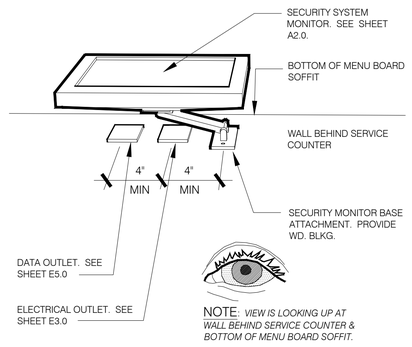


YES006A

DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. **4**

NOT USED N.T.S. **20**

NOT USED N.T.S. **16**



POWER/DATA @ SECURITY MONITOR N.T.S. **12**

CONTRACT DATE: 11.05.15
BUILDING TYPE: LIVE MAS-Medium 40
PLAN VERSION: REV P -- NOV '15
SITE NUMBER:
STORE NUMBER:

TACO BELL

770 National Road
Wheeling, WV 26003

LIVE MAS

MEDIUM 40

ELECTRICAL DETAILS

E7.0

PERMIT PLOT DATE: