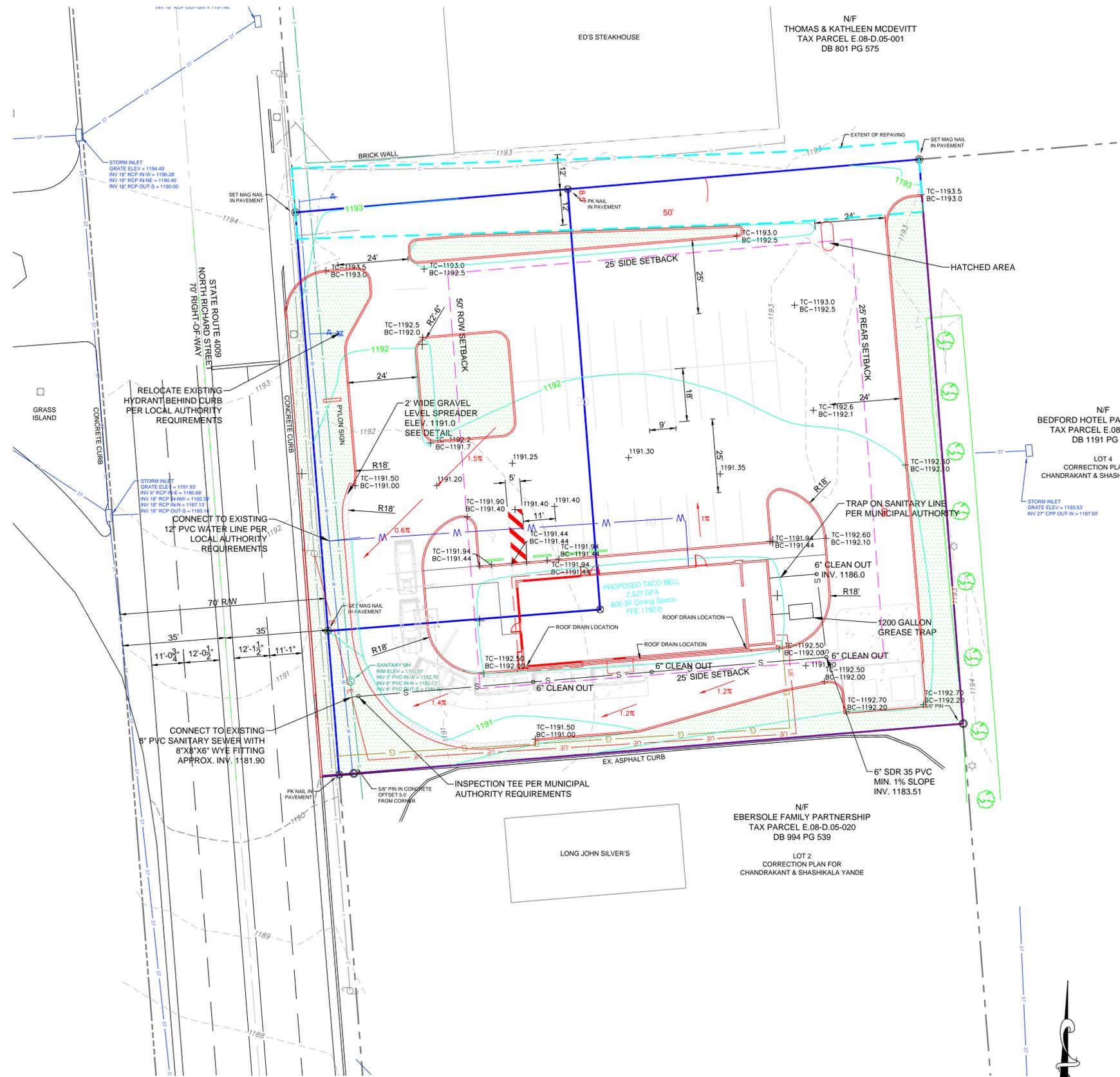


LEGEND

- 1420- EXISTING CONTOURS
- BUILDING SETBACKS
- PROPERTY LINES
- RIGHT OF WAY
- EXISTING UTILITY POLE, OVERHEAD LINE & GUY WIRE
- EXISTING SANITARY SEWER
- EXISTING GAS LINE
- EXISTING CURB
- EXISTING STORM WATER PIPE
- EXISTING STORM WATER INLETS
- EXISTING MUNICIPAL WATER LINE
- PROPOSED CONTOURS
- PROPOSED WATER
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM WATER INLETS
- PROPOSED STORM WATER PIPE
- PROPOSED CURB
- PROPOSED GASLINE
- ROOF DRAIN CONNECTION 8" HDPE
- HANDICAP ACCESSIBLE PARKING
- PROPOSED SPOT ELEVATIONS
- PROPOSED UNDERGROUND ELECTRIC
- CONCRETE PAVING
- PROPOSED LAWN-SOD
- PROPOSED SUMP / OVERFLOW AREA

NOTES:

1. BUILDING SETBACK - 50' FROM RIGHT OF WAY
2. BUFFER REQUIREMENT- 6' MIN. FROM PROPERTY LINE
3. PARKING REQUIREMENT - 6 SPACES/ 200 SF OF PUBLIC SPACE
4. APPROXIMATE PUBLIC SPACE - 800 SF - 24 SPACE REQUIRED
5. 38 PARKING SPACES PROVIDED.
6. EXISTING PAVEMENT TO PROPERTY LINES AND RIGHT OF WAY LINES TO BE REMOVED TO SUBBASE. INSTALL PROPOSED ASPHALT, LANDSCAPING, CONCRETE AND CURBING AS SHOWN ON THE PLAN TO THE PROPERTY LINES AND RIGHT OF WAY LINES.
7. ALL WORK WITHIN PENNDOT RIGHT OF WAY SUBJECT TO CONDITIONS OF THE HIGHWAY OCCUPANCY PERMIT AND MUST COMPLY WITH CURRENT 408 STANDARDS AND RC-STANDARD DETAILS
8. ALL TRAFFIC PROTECTION MUST COMPLY WITH PENNDOT PUBLICATION 213 AND HOP.
9. MINIMUM ONE-WAY ACCESS MUST BE MAINTAINED TO BUSINESSES DURING CONSTRUCTION.
10. ALL UTILITY LOCATIONS AND DEPTHS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY DEPTH AND LOCATION.
11. PROPOSED UTILITY LOCATIONS ARE APPROXIMATE AND DEPENDENT ON COORDINATION AND APPROVAL FROM UTILITY PROVIDER.
12. REMOVAL ALL EXISTING CONCRETE, CONCRETE, BUILDING FOUNDATIONS, ETC. FROM EXISTING SITE. INSTALL NEW PAVEMENT TO PROPERTY LINES AND AS SHOWN ON THE CONTRACT DRAWINGS.
13. DISCHARGE ALL ROOF DRAINS DIRECTLY TO PAVEMENT OR LANDSCAPING TO PROMOTE SHEET FLOW CONDITIONS.
14. PROPOSED BUILDING HEIGHT - 22'-1" FEET.
15. A HIGHWAY OCCUPANCY PERMIT ISSUED BY THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION IS REQUIRED PURSUANT SECTION 420 OF THE ACT OF JUNE 1, 1945 (P.L. 1242, NO. 428) KNOWN AS THE STATE HIGHWAY LAW. ACCESS TO THE STATE HIGHWAY SHALL BE ONLY AS AUTHORIZED BY A HIGHWAY OCCUPANCY PERMIT.
16. THE ROAD(S) WITHIN SUCH SUBDIVISION ARE AND SHALL REMAIN PRIVATE IN NATURE, SUBJECT ONLY TO THE UNILATERAL REQUEST, IF ANY, OF THE MUNICIPALITY AND/OR COMMONWEALTH OF PENNSYLVANIA OR ANY SUCCESSOR ENTITY(IES), AND THAT THE PURCHASERS OF ANY LOT(S) WITHIN SUCH SUBDIVISION ARE FULLY AWARE AND ACKNOWLEDGE THAT SUCH ROADS ARE PRIVATE IN NATURE AND SUCH PURCHASERS, FOR THEMSELVES AND THEIR HEIRS, EXECUTORS, ADMINISTRATORS, SUCCESSORS AND ASSIGNS VOLUNTARILY WAIVE ANY RIGHT TO DEMAND AND/OR RIGHT PERMITTED BY LAW TO REQUIRE THE TOWNSHIP AND/OR ITS SUCCESSORS AND ASSIGNS TO TAKE OVER AND/OR MAINTAIN SUCH STREETS AND/OR IMPROVE THE SAME.



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BEDFORD TOWNSHIP
 BEDFORD COUNTY
 TACO BELL
 FINAL LAND DEVELOPMENT PLAN



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- RELOCATE HYDRANT 6-27-16
- REVISED CURBING 7-5-16
- 8-19-16 RESUBMISSION

CONTRACT DATE: 1-7-16
 BUILDING TYPE:
 PLAN VERSION:
 SITE NUMBER:
 STORE NUMBER:

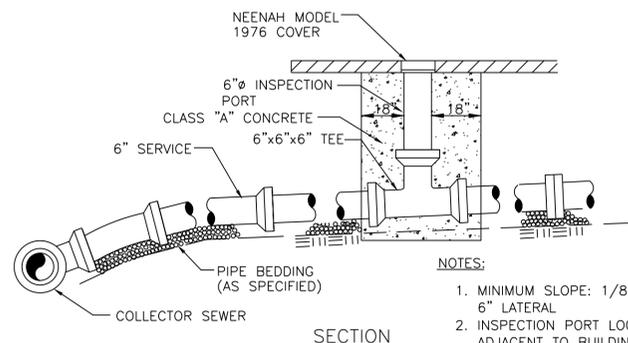
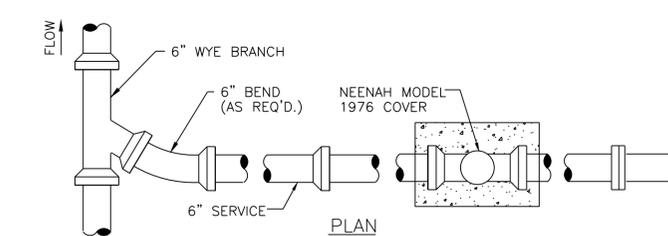
TACO BELL
 SR 4009
 BEDFORD, PA



PROPOSED SITE

C2

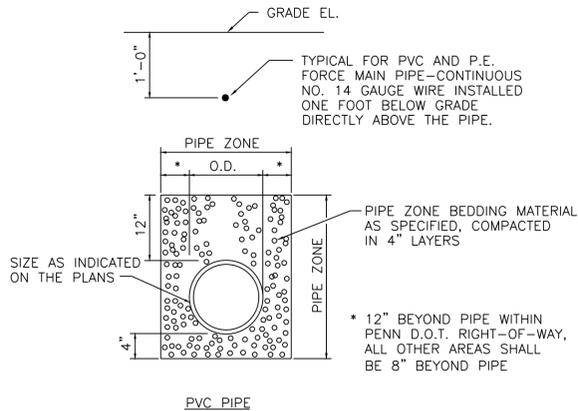
PERMIT PLOT DATE: 6-3-16



- NOTES:
1. MINIMUM SLOPE: 1/8" PER 1'-0" FOR 6" LATERAL
 2. INSPECTION PORT LOCATION TO BE ADJACENT TO BUILDING
 3. PIPE SIZE, TYPE, FITTING, ETC. AS DIRECTED BY LOCAL SEWAGE AUTHORITY
 4. CONNECTION TO BE IN CONFORMANCE WITH LOCAL SEWAGE AUTHORITY

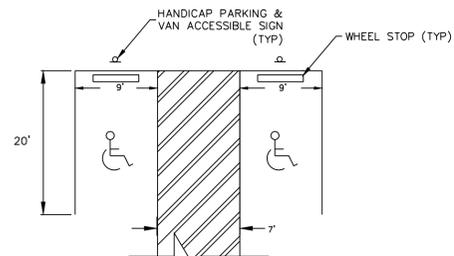
TYPICAL 6" SERVICE CONNECTION TO EXISTING COLLECTOR SEWER

N.T.S.



PIPE BEDDING

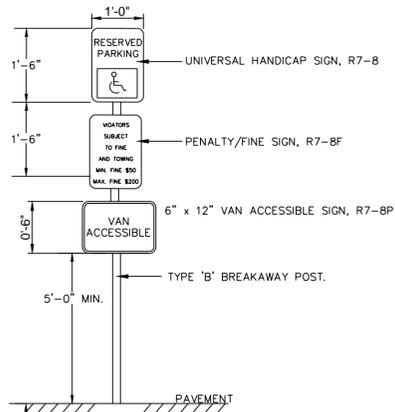
N.T.S.



DESIGNATE HANDICAP PARKING W/ INTERNATIONAL SYMBOL OF ACCESS CROSS HATCHING: 4" WIDE BLUE PAINTED STRIPE @ 45° - 2' O.C. STALL STRIPING: 4" WIDE BLUE PAINTED STRIPE.

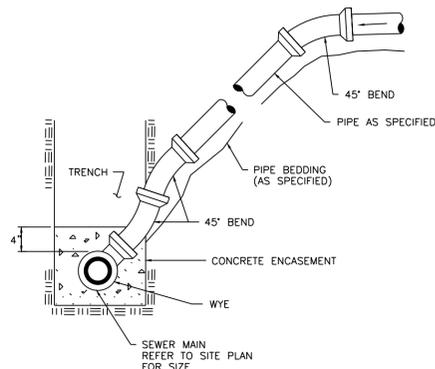
HANDICAP PARKING STALL

N.T.S.

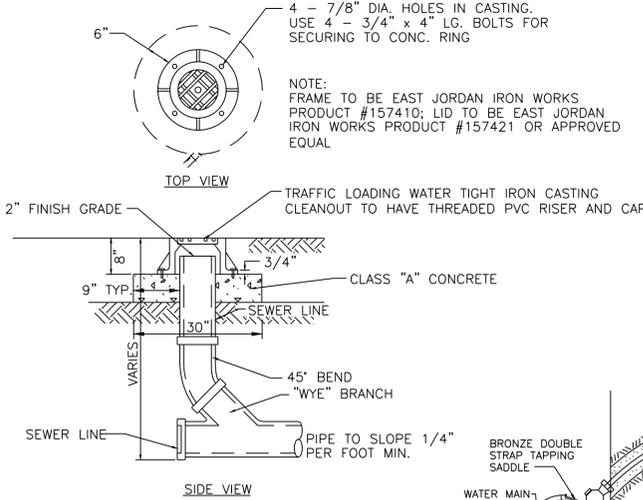


HANDICAP PARKING SIGN

FOR CONTINUATION REFER TO TYPICAL SERVICE CONNECTION DETAIL

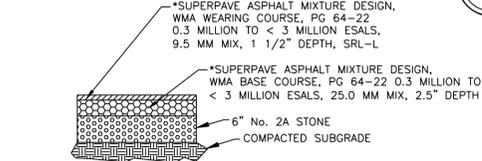


SLOPED RISER LATERAL DETAIL



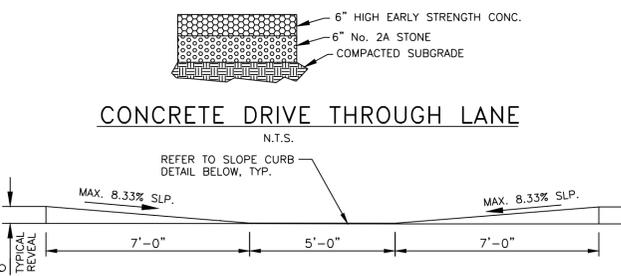
STANDARD CLEAN-OUT

N.T.S.



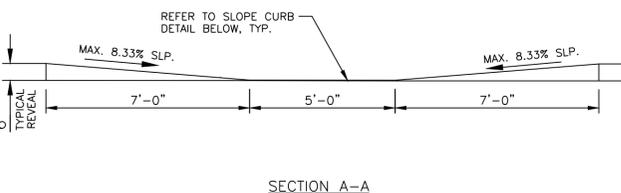
ASPHALT PAVING SECTION

N.T.S.

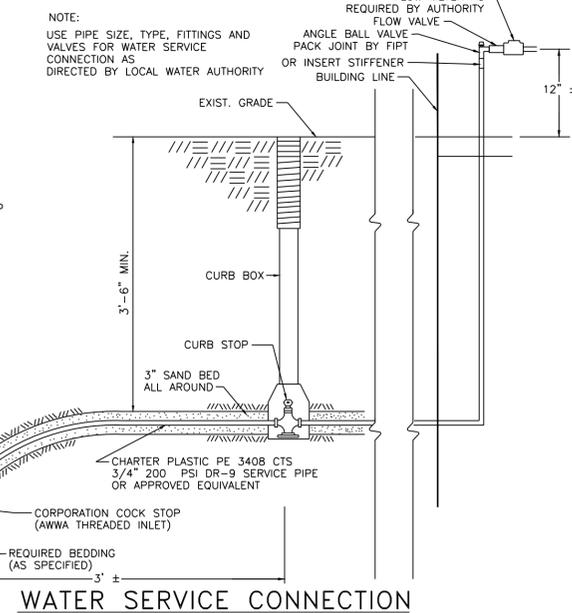


CONCRETE DRIVE THROUGH LANE

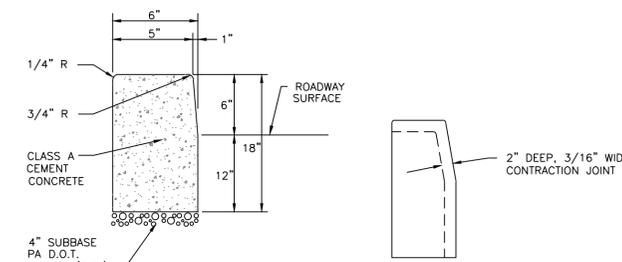
N.T.S.



HANDICAP CURB RAMP

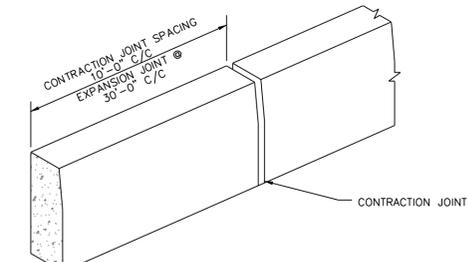


WATER SERVICE CONNECTION



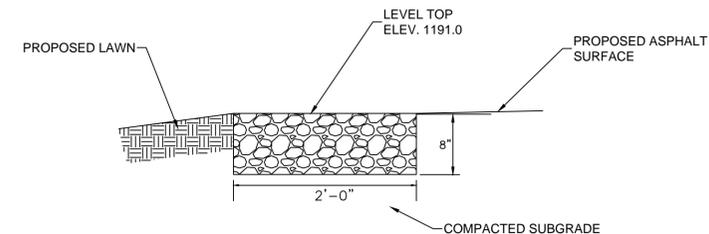
STANDARD CURB DETAIL

CONTRACTION JOINT DETAIL



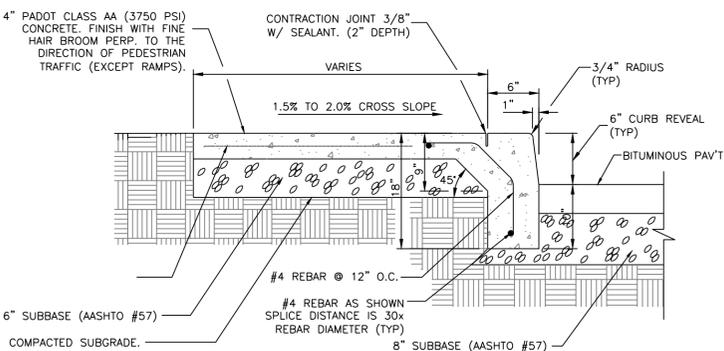
PLAIN CEMENT CONCRETE CURB SECTION CEMENT CONCRETE CURB

N.T.S.



GRAVEL LEVEL SPREADER

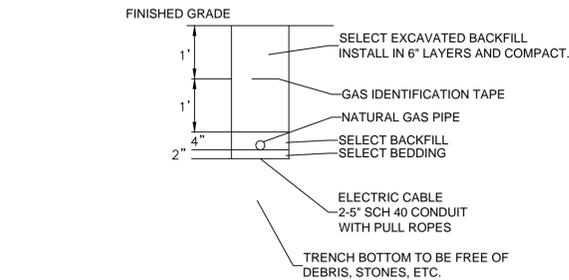
N.T.S.



MONO-POUR CONCRETE WALK AND CURB AT BUILDINGS

N.T.S.

NOTE: USE EPOXY COATED REBAR.



GAS LINE TRENCH

N.T.S.

- NOTES:
1. CUSTOMER MUST COORDINATE WITH UTILITY FOR METER LOCATION.
 2. CUSTOMER IS RESPONSIBLE FOR ALL TRENCHINGS AND BACKFILLING.
 3. TRENCH LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE. GAS UTILITY MAY MODIFY THE LOCATIONS.

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FINAL LAND DEVELOPMENT PLAN



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- 8-19-16 RESUBMISSION
- 1-7-16

CONTRACT DATE: 1-7-16
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
SR 4009
BEDFORD, PA



PROPOSED DETAILS

C3

PERMIT PLOT DATE: 6-3-16

PERMANENT SEEDING SPECIFICATIONS:

TOPSOIL	4" minimum topsoil shall be required on all lawn areas
LIMESTONE	Raw ground agricultural limestone containing more than 90 percent calcium carbonates (adjust ph levels to 6.5 to 7.0) Apply at a rate of 6 ton/ac, unless directed by Owner.
COMMERCIAL FERTILIZER	In absence of a soil test, use 1000 lb/ac of 10-10-20 (25 lb/1000 sf) mixed into seedbed prior to seeding, or in a tank with seed when hydroseeding.
MULCH	Clean out or wheat straw shall be free from mature seed-bearing stalks or roots of prohibited or noxious weeds as defined by the PA Seed Act of 1947. Apply at a rate of 3 ton/ac (140 lb/1000 sf). Precaution shall be taken to stabilize the mulch until the vegetative cover is established.
SEED MIXTURE	Seed mixture shall bear a guaranteed statement of analysis and shall be composed of the following varieties and mixed in the proportions specified.

Permanent Seed Mixture PADOT Formula B	Proportion by Weight	Minimum Purity	Minimum Germination
Perennial Ryegrass Mixture (Lolium Perenne) - A combination of improved certified varieties with no on variety exceeding 50% of the total ryegrass component	20	98%	90%
Creeping Red Fescue or Chewings Fescue	30	98%	85%
Kentucky Bluegrass mixture (POA Pratensis) - A combination of improved certified varieties with no on variety exceeding 25% of the total bluegrass component	50	98%	80%

PERMANENT SEEDING PREPARATION OF SEEDING	Permanent seeding shall be applied at a rate of 21 lb/ 1000 yards Grade as necessary to bring subgrade to a true, smooth slope parallel to and six inches below finished grade. Place topsoil over specified areas to a depth sufficiently greater than six inches or eight inches so that after settlement and light rolling, the complete work will conform to lines, grades and elevations shown. Fertilizer and agricultural limestone shall be thoroughly incorporated into the soil by rototilling or other method to a minimum depth of four inches. The entire surface shall then be regraded and rolled. Areas to be seeded shall then be loosened to a depth of two inches. Seeding shall be done in two separate operations. The second seeding shall be done immediately after the first and at right angles to the first seeding and lightly raked into the soil. Mulch seeded areas immediately after seeding.
---	--

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BEDFORD TOWNSHIP
BEDFORD COUNTY
TACO BELL
FINAL LAND DEVELOPMENT
PLAN



- △ 8-19-16 RESUBMISSION
- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE: 1-7-16
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
SR 4009
BEDFORD, PA



PROPOSED
DETAILS

C4

PERMIT PLOT DATE: 6-3-16

PATA 102 (Old PATA 7) - Notes

- If the work space is completely within a parking lane and parking is present, the taper or shadow vehicle is not required.
- For operations of 15 minutes or less:
 - The Road Work (W20-1) sign is not required.
 - All channelizing devices may be eliminated if a shadow vehicle is present.
- For divided highways and one-way highways where it is physically possible, advance warning signs should also be placed on the left-hand side of the roadway.
- When a shadow vehicle is not used, distance E is measured from end of taper to beginning of work space.

Signs



W20-1

Sign Spacing Chart

Condition	Distance			
	A	B	C	F
Urban 35 MPH or less	100	100	100	100
Urban Greater than 35 MPH	350	350	350	350
Rural	500	500	500	500

Distance and Spacing Quick Reference Chart

Speed MPH	W Feet	L Feet	1/2L Feet	1/3L Feet	Min. Channelizing Devices Per Taper Type (Length)				D Feet	E Feet	H Feet
					L	1/2L	1/3L	50'			
25	10	105	55	35	6	6	6	6	50	155	150
	11	115	60	40							
	12	125	65	45							
30	10	150	75	50	6	6	6	60	200	150	
	11	165	85	55							
	12	180	90	60							
35	10	205	105	70	6	6	6	70	250	150	
	11	225	115	75							
	12	245	125	85							
40	10	270	135	90	6	6	6	80	305	150	
	11	295	150	100							
	12	320	160	110							
45	10	450	225	150	6	6	6	90	360	150	
	11	495	250	165							
	12	540	270	180							
50	10	500	250	170	6	6	6	100	425	250	
	11	550	275	185							
	12	600	300	200							
55	10	550	275	185	6	6	6	110	495	250	
	11	605	305	205							
	12	660	330	220							

When multiple distance plaques are used on advance warning signs, they shall all be of the same series type.
Example: either all "AHEAD" or XXX FEET.

Taper Length Formulas

S	L
40 MPH or less	$L = \frac{WS^2}{60}$
45 MPH or more	$L = WS$

S = Regulatory Speed Limit
W = Width of Offset
L = Length

Note: Channelizing devices used in taper shall be equally spaced at 1/2 D Max.

PATA 109 (New PATA) - Notes

- Each flagger shall be clearly visible to traffic for a minimum distance of E and shall be in constant communication with all other flaggers.
- For operations of 15 minutes or less:
 - The Road Work (W20-1), One Lane Road (W20-4), Be Prepared To Stop (W3-4), and Flagger Symbol (W20-7) signs are not required.
 - All channelizing devices may be eliminated if a shadow vehicle is present.
- The buffer space shall be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.
- When a shadow vehicle is not used, distance E is measured from end of taper to beginning of work space.

Signs



W20-1

W20-4

W20-7

W3-4

Sign Spacing Chart

Condition	Distance			
	A	B	C	F
Urban 35 MPH or less	100	100	100	100
Urban Greater than 35 MPH	350	350	350	350
Rural	500	500	500	500

When multiple distance plaques are used on advance warning signs, they shall all be of the same series type.
Example: either all "AHEAD" or XXX FEET.

Taper Length Formulas

S	L
40 MPH or less	$L = \frac{WS^2}{60}$
45 MPH or more	$L = WS$

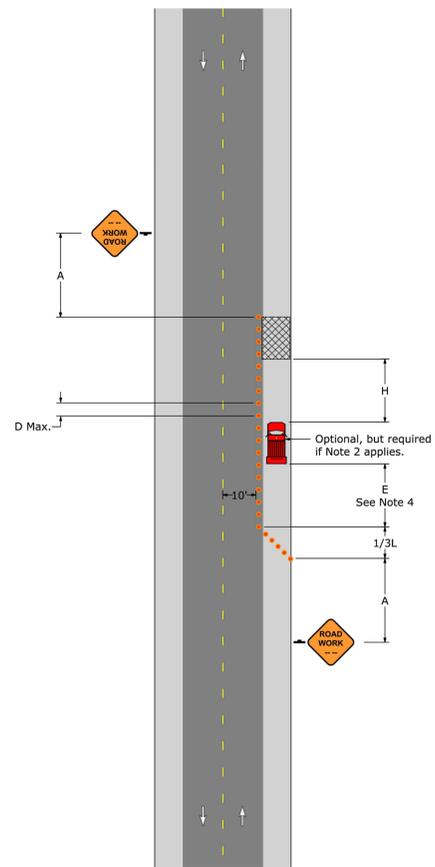
S = Regulatory Speed Limit
W = Width of Offset
L = Length

Distance and Spacing Quick Reference Chart

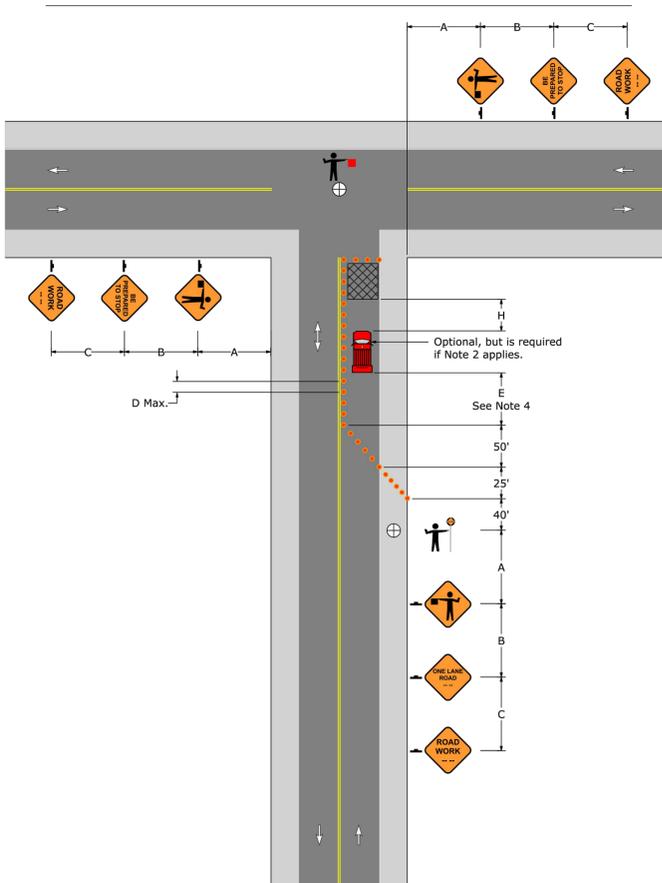
Speed MPH	W Feet	L Feet	1/2L Feet	1/3L Feet	Min. Channelizing Devices Per Taper Type (Length)				D Feet	E Feet	H Feet
					L	1/2L	1/3L	50'			
25	10	105	55	35	6	6	6	6	50	155	150
	11	115	60	40							
	12	125	65	45							
30	10	150	75	50	6	6	6	60	200	150	
	11	165	85	55							
	12	180	90	60							
35	10	205	105	70	6	6	6	70	250	150	
	11	225	115	75							
	12	245	125	85							
40	10	270	135	90	6	6	6	80	305	150	
	11	295	150	100							
	12	320	160	110							
45	10	450	225	150	6	6	6	90	360	150	
	11	495	250	165							
	12	540	270	180							
50	10	500	250	170	6	6	6	100	425	250	
	11	550	275	185							
	12	600	300	200							
55	10	550	275	185	6	6	6	110	495	250	
	11	605	305	205							
	12	660	330	220							

Note: Channelizing devices used in taper shall be equally spaced at 1/2 D Max.

**PATA 102 (Old PATA 7)
Work Space On Or Beyond The Shoulder (Minor Roadway Encroachment)**



**PATA 109 (New PATA)
Three-Leg Intersection Flagging**



NOTES:

- UTILIZE PATA 102 FOR ACCESS CONSTRUCTION, CURB CAPPING/REPAIR AND ANY WORK IN THE RIGHT OF WAY BEHIND THE CURB LINE.
- UTILIZE PATA 109 FOR THE INSTALLATION OF THE NO RIGHT TURN ON RED SIGN.
- INSTALL THE NO RIGHT TURN ON RED SIGN DURING NON-PEAK HOURS (3-4 AM) WITH A LIMITED CLOSURE OF THE I-99 RAMP. LIMIT LANE CLOSURE TO 15 MINUTES AT A TIME.
- PROVIDE FLAGGER, LIGHTS AND SIGNAGE TO INDICATE LIMITED LANE CLOSURE. PATA 109 CAN BE MODIFIED PER THE NOTES DUE TO THE LIMITED TIME OF WORK. NO SHADOW VEHICLE IS REQUIRED.
- DO NOT BLOCK THE RAMP TO I-99 THAT CAN BE ACCESSED BY SOUTH BOUND TRAFFIC. ONLY NORTH BOUND TRAFFIC WISHING TO ENTER I-99 WILL BE AFFECTED FOR THE LIMITED TIME FRAME.

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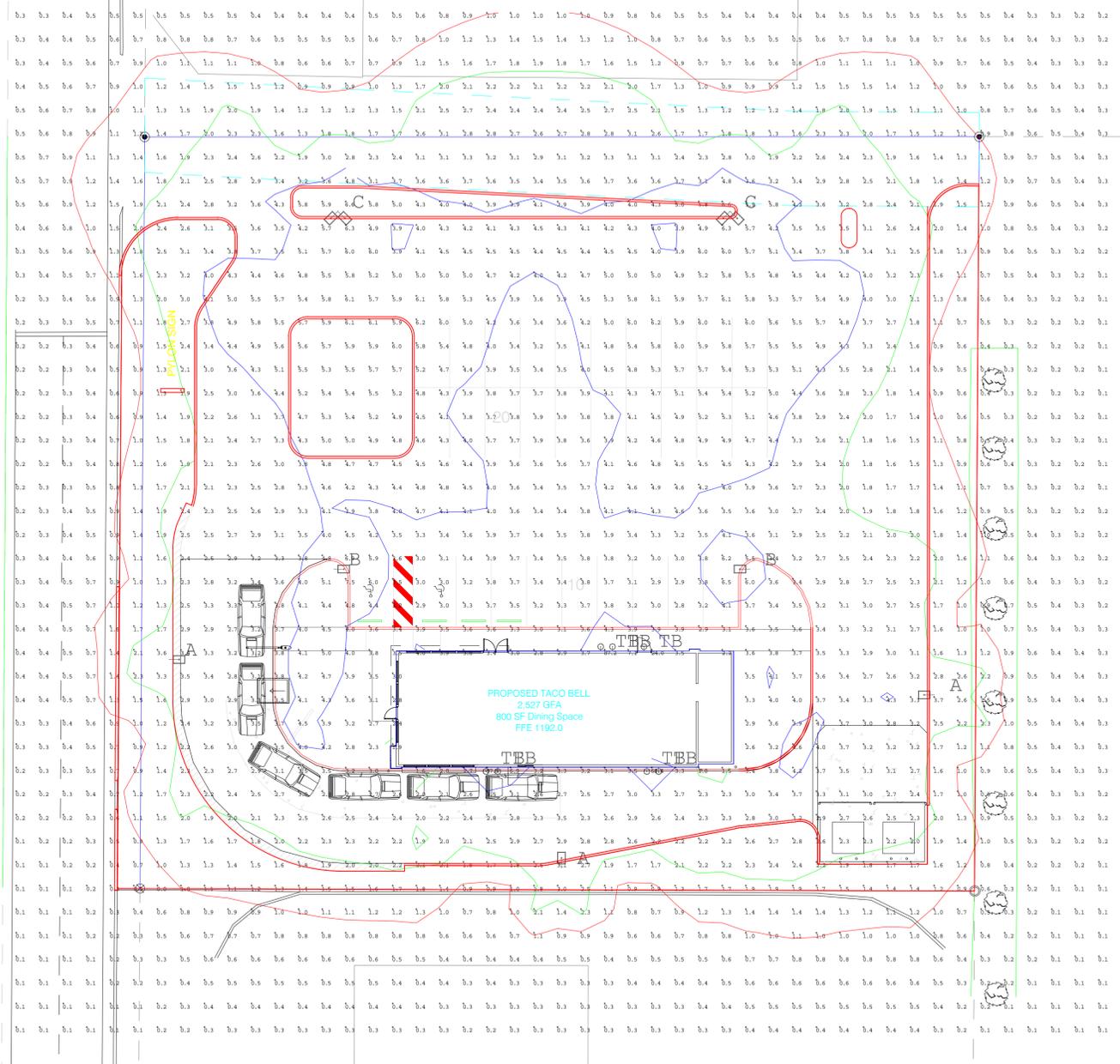
- 7-6-16 RESUBMISSION
- 8-15-16 RESUBMISSION
- 9-15-16 RESUBMISSION

CONTRACT DATE: 6-3-16
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
SR 4009
BEDFORD, PA



**HOP
DETAILS
112039**



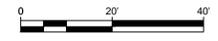
TACO BELL
 BEDFORD, PA
 PREPARED BY: JOHN BUJAKE
 ACCUSERV LIGHTING & EQUIPMENT
 877-707-7378
 502-961-0357 FAX
 jbujake@accu-serv.com
 JULY 5, 2016

Label	Avg	Max	Min	Avg/Min	Max/Min
EXTENDED	2.22	87.8	0.1	22.20	878.00
DRIVE-THRU LANE SURFACE	2.76	4.2	1.7	1.62	2.47
PARKING LOT SURFACE	3.83	6.9	1.3	2.95	5.31

LIGHT LEVELS ARE MAINTAINED FOOT-CANDELS, INITIAL LEVELS ARE SLIGHTLY HIGHER

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Lum. Watts	Description
⊖	3	A	SINGLE	N.A.	0.900	205	CL1-A-90L-U-4K-3-DB / SSS-S-25-40-A-1-S2-DB
⊖	2	B	SINGLE	N.A.	0.900	205	CL1-A-90L-U-4K-4-DB / SSS-S-25-40-A-1-S2-DB
⊖	2	C	2 @ 90 DEGREES	N.A.	0.900	205	(2) CL1-A-90L-U-4K-3-DB / SSS-S-25-40-A-2L-S2-DB
⊖	7	TB	SINGLE	1250	0.900	26	ACCU 05247-051-052 @ 9.17' A.F.G.

LIGHTING RESTRICTIONS: TOTAL WATTAGE FOR SITE FIXTURES NOT TO EXCEED 2,294W AS PER COMCHECK REQUIREMENTS
 SITE FIXTURES ARE 205W 4000K LED W/ FLAT LENSES
 POLES ARE 25'-0" FOR AN OVERALL FIXTURE MOUNTING HEIGHT OF 27'-6" A.F.G.



- ▲ REVISED CURBS AND LIGHT 7
- ▲ 8-19-16 RESUMITS
- ▲
- ▲
- ▲
- ▲
- ▲
- ▲

CONTRACT DATE: 1-
 BUILDING TYPE:
 PLAN VERSION:
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 SR 4009
 BEDFORD, PA



PROPOSED
 LIGHTING PLA

LP.1



OWNER COMMENTS - 12.07.15

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

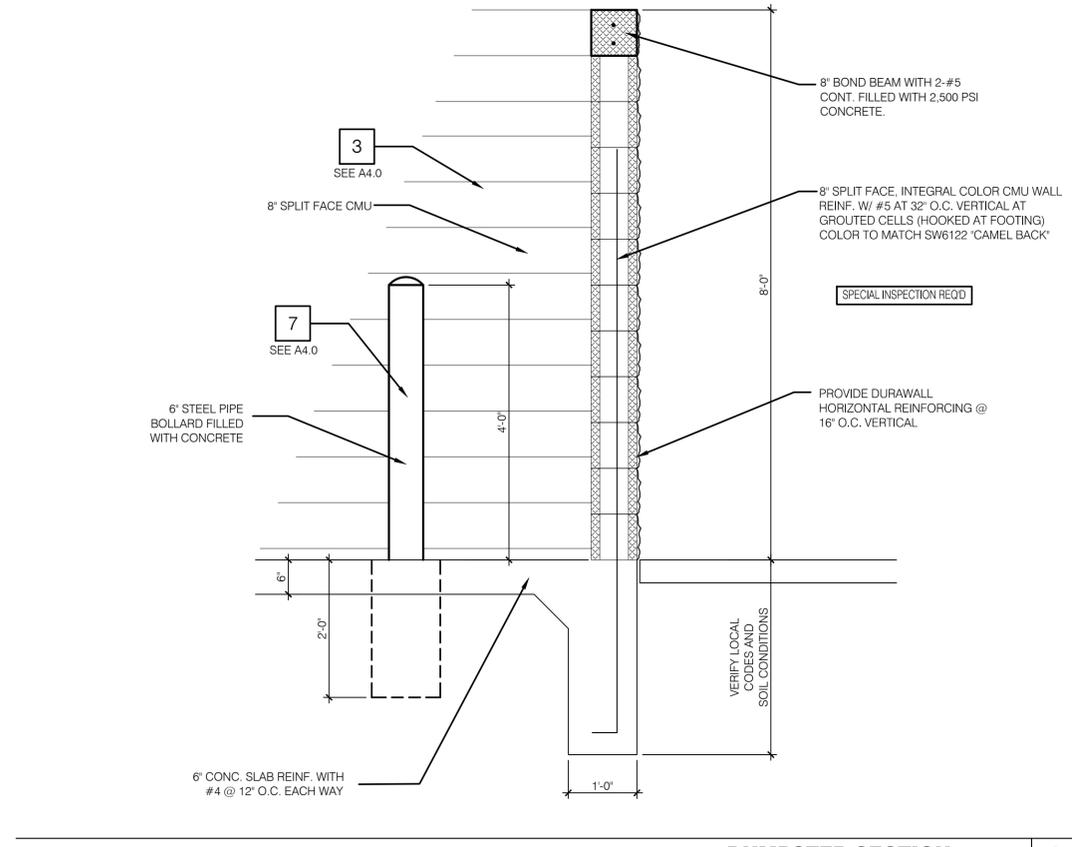
TACO BELL
 US Route 220
 Township of Bedford, PA



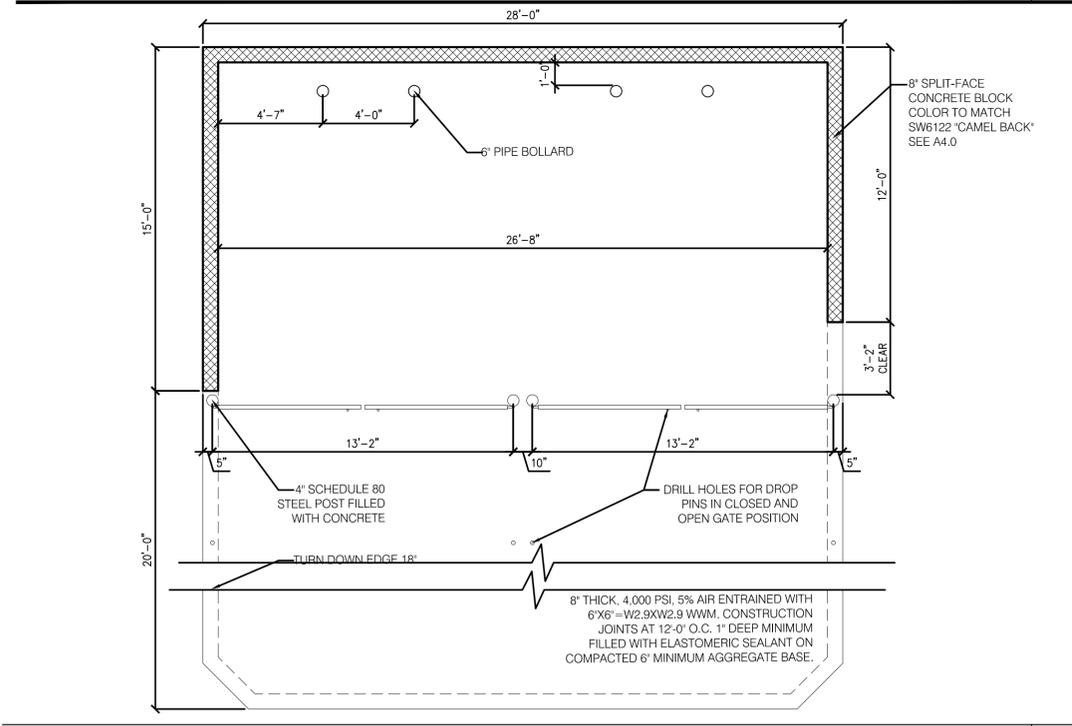
SITE DETAILS

SD1.0

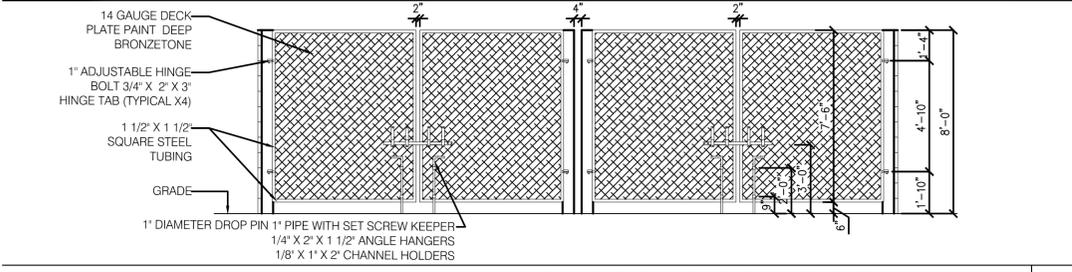
PERMIT PLOT DATE:



DUMPSTER SECTION 3/4" = 1'-0" **1**



DOUBLE DUMPSTER PLAN 1/4" = 1'-0" **2**

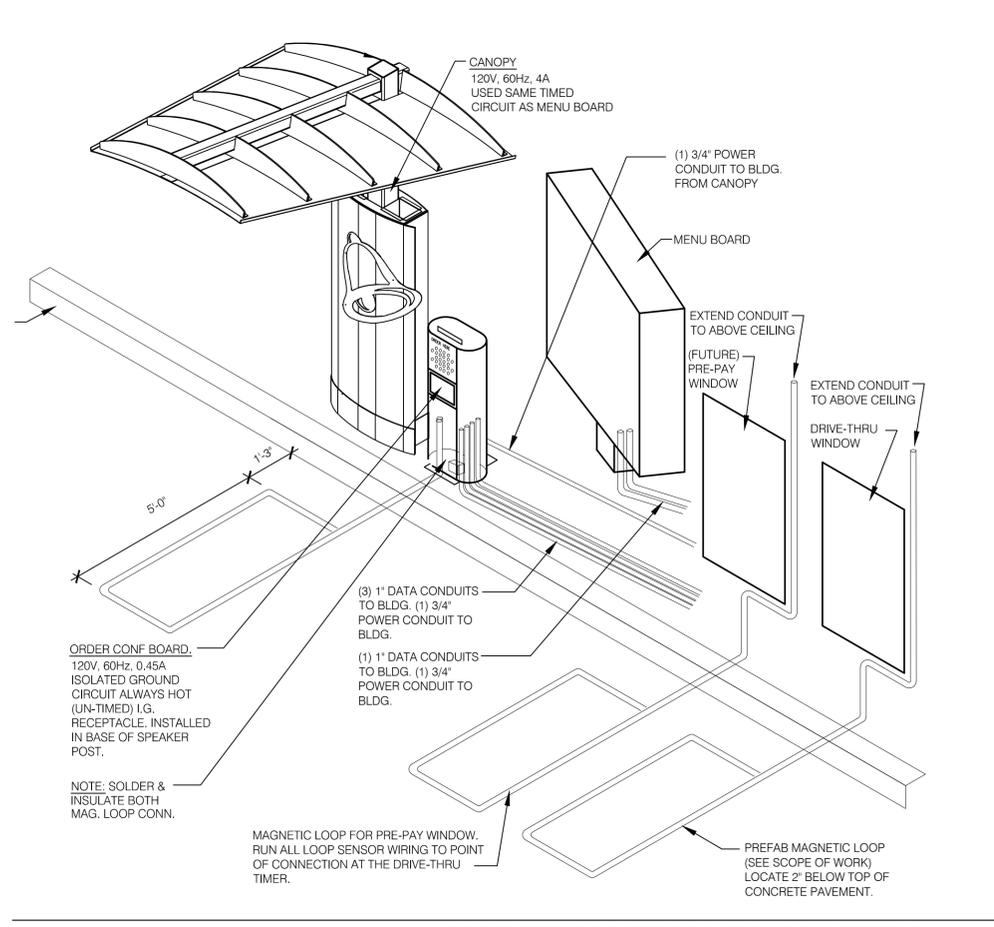
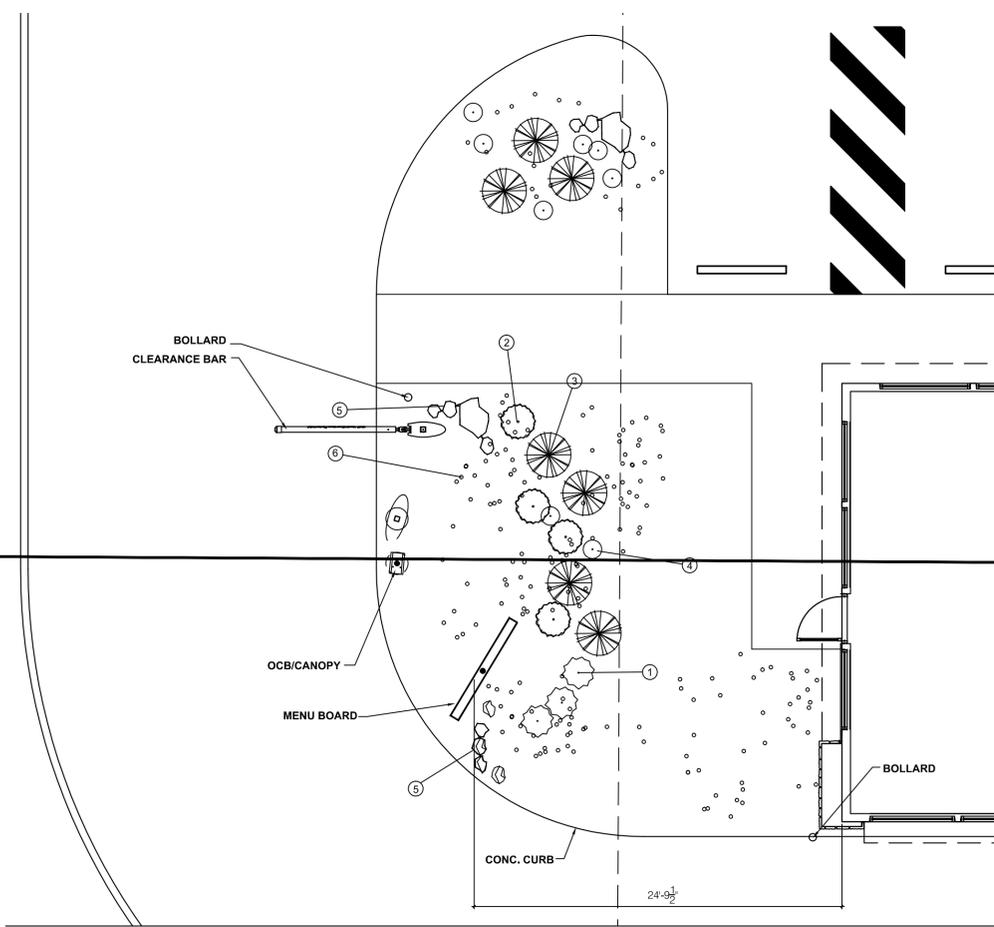


DOUBLE DUMPSTER GATE ELEVATION 1/4" = 1'-0" **3**

REGION 6 - NORTH

NO.	MATERIAL	TY	SIZE	HGT.	SP
1	BLUE FESCUE FESTUCA GLAUCA	PER PLAN	3 GAL.	12"	12"
2	CRANBERRY BUSH VIBURNUM OPULUS	PER PLAN	3 GAL.	15"	15"
3	ADAM'S NEEDLE YUCCA FILAMENTOSA	PER PLAN	5 GAL.		
4	DWARF GOLDEN ARBORVITAE 'THUJA OCCIDENTALIS 'RHEINGOLD'	PER PLAN	5 GAL.	24"	24"
5	LIMESTONE BOULDER SAND - GREY - 6" TO 24"	PER PLAN	6"-24"	N/A	
6	GRAVEL MULCH 3" RIVER ROCK	PER PLAN	3"	N/A	
7	STEEL EDGING	PER PLAN	N/A	3" AFG 6" BFG	N/A

MENUBOARD LAYOUT AND LANDSCAPING **4**



DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. **6**



BOLLARD DETAIL 3/4" = 1'-0" **5**



01.04.16
Trav C. Sweatman

OWNER COMMENTS	DATE
	01.04.16

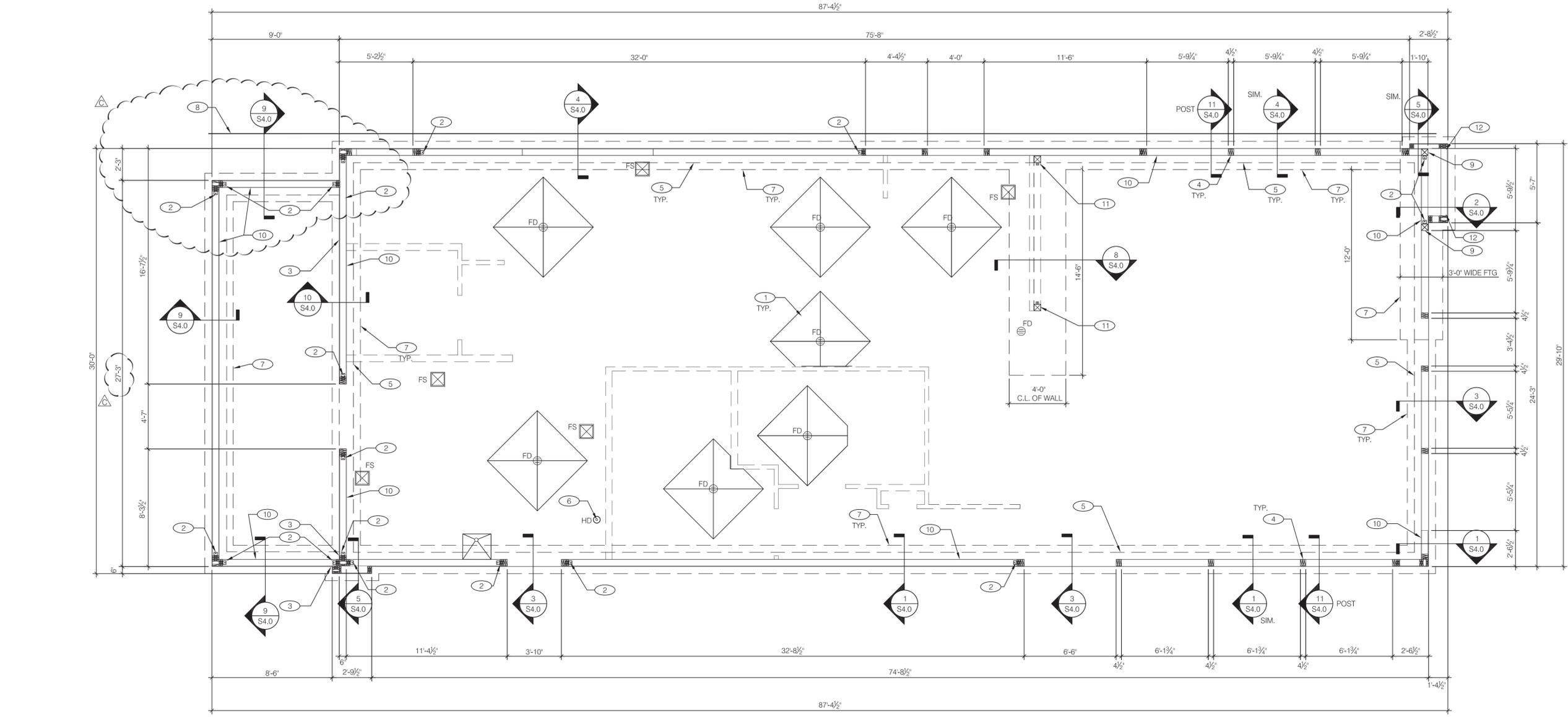
CONTRACT DATE: 04.14.16
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



FOUNDATION PLAN

S1.0
 PERMIT PLOT DATE: 01.04.16



DIMENSIONS THIS SHEET TO EDGE OF CONCRETE

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

DESIGN CRITERIA		SEISMIC LOADS:	
2009 PENNSYLVANIA UNIFORM CONSTRUCTION CODE		SEISMIC USE GROUP:	1
ROOF SNOW LOADS:		SEISMIC IMPORTANCE FACTOR:	1.0
GROUND SNOW LOAD (Pg):	25 PSF	SITE CLASS:	C
EXPOSURE FACTOR (Ce):	1.0	MAPPED SPECTRAL RESPONSE ACCEL:	Ss: 0.1526
IMPORTANCE FACTOR (I):	1.0	S1: 0.0508	
FLAT-ROOF SNOW LOAD (Pf):	20 PSF + DRIFT	SPECTRAL RESPONSE COEFF.:	0.122
THERMAL FACTOR (Ct):	1.0	SHORT PERIODS (SDS):	0.058
ROOF LOADS:		FRAMING SYSTEMS:	
LIVE LOAD:	20 PSF	BASIC STRUCTURAL SYSTEM: LOAD BEARING WALL SYSTEM	
DEAD LOAD:	20 PSF	SEISMIC-RESTRICTING SYSTEM: WOOD SHEAR WALLS	
WIND LOADS:		RESPONSE MOD. FACTOR (R):	6.5
3 SECOND GUST:	90 MPH	DEFL. AMPL. FACTOR (Cd):	4.0
IMPORTANCE FACTOR:	1.0	DESIGN BASE SHEAR (V):	0.019W
EXPOSURE CATEGORY (MWFRS):	B	ANALYSIS BY EQUIVALENT LATERAL FORCE PROCEDURE	
INTERNAL PRESSURE COEFF.:	±0.18		
COMPONENT & CLADDING DESIGN PRESSURE:	24.4 PSF		
DESIGN UPLIFT (NET):	10.0 PSF		

FOUNDATION

- FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL ENGINEERING REPORT ENTITLED PROPOSED TACO BELL RESTAURANT BY TERRACON CONSULTANTS, INC. DATED JUNE 22, 2015. PROJECT NO. M6155931, TASK 2.
- CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
- COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON 3,000 PSF ALLOWABLE BEARING CAPACITY.
- CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
- REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
- 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.
- MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
- ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
- DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
- 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

- THESE SUMMARY RECOMMENDATIONS ARE PROVIDED FROM THE GEOTECHNICAL INVESTIGATION, 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 TEN FEET BEYOND, INCLUDING TO AND INCLUDING ALL AREAS AS SHOWN ON SHEET S1.0. THE VAPOR BARRIER, WHERE REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING.

- 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.
- 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.
- AFTER SUBGRADE PREPARATION IS COMPLETE, THE PLACEMENT OF STRUCTURAL FILL MAY BEGIN. THE STRUCTURAL FILL MATERIALS SHOULD BE FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS AND SHOULD HAVE A MAXIMUM PARTICLE LESS THAN 3 INCHES. THE STRUCTURAL FILL MATERIAL SHOULD HAVE A LIQUID LIMIT LESS THAN 50 AND A PLASTICITY INDEX LESS THAN 30. THE FILL SHOULD BE PLACED IN COMPACTION CONTROLLED 8 INCH HORIZONTAL LIFTS AND SHOULD BE COMPACTED WITHIN THE RANGE OF -2 TO +2 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE, 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.
- 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.
- 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	28 DAYS PSI (4,000 DESIGN)	MIN. STRENGTH	AGGREGATE	SLUMP	TOLERANCE
SLAB ON GRADE	4,000	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 ACH-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 6" 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.

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

DESIGN CRITERIA **F**

FOUNDATION PLAN NOTES **C**

KEY NOTES N.T.S. **B**

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01.04.16
Trav C. Sweat

OWNER COMMENTS	DATE
	01.04.16

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV O
 SITE NUMBER:
 STORE NUMBER:

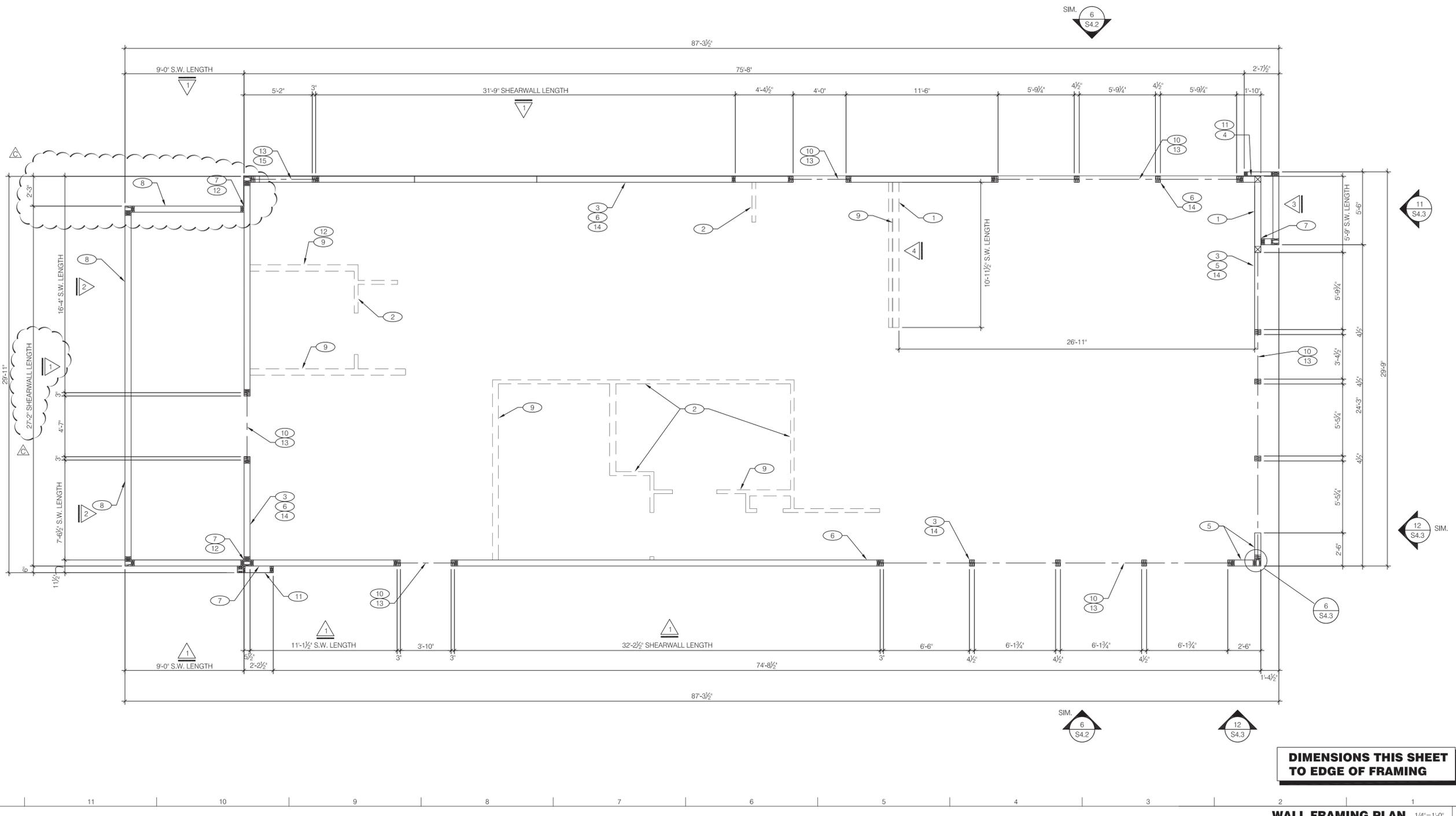
TACO BELL
 US Route 220
 Township of Bedford, PA



WALL FRAMING PLAN

S2.0

PERMIT PLOT DATE: 01.04.16



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 @ 3" O.C.	10d @ 12" O.C.	HDU14	5/8" DIA. F1554 (24) @ 16" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
4	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
5	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 HOLD-DOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.

6. HDU REFERS TO SIMPSON STRONGTIE CO. HOLD-DOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REGS.

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.

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 @ 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.

- 1 3x6 STUDS AT 16" O.C. FOR SHEAR WALL TYPES 3 & 4.
- 2 INTERIOR NON-BEARING 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 POLYETHYLENES.
- 15 PROVIDE HEADER FOR FUTURE OPENING.

NOT USED N.T.S. **F**

WALL SHEATHING AND SHEARWALL SCHEDULE **D**

FRAMING PLAN NOTES **C**

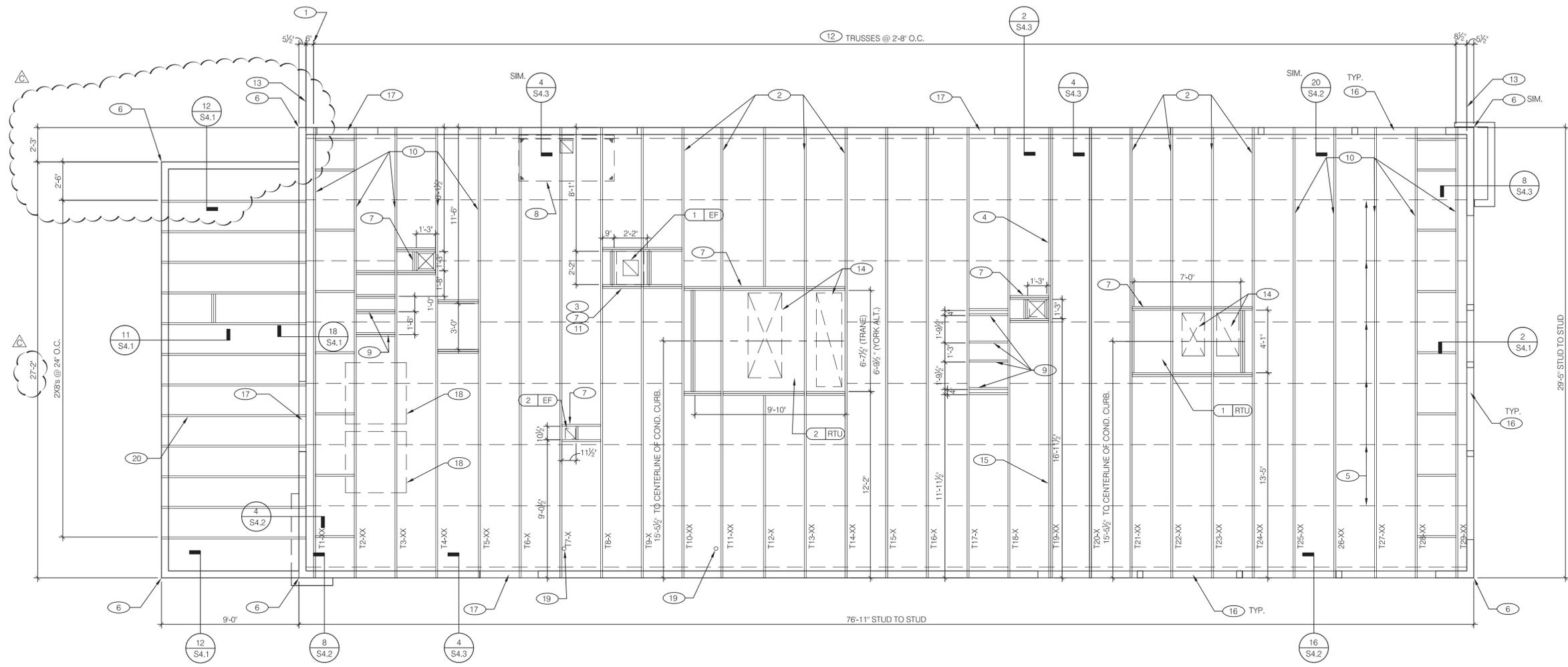
KEY NOTES **B**

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01.04.16
Trav C. Sweatman



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.

OWNER COMMENTS	DATE
	01.04.16

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV O
 SITE NUMBER:
 STORE NUMBER:

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 DEFINITIONS.

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 CONTRACTORS 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 REQ'D.) 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 REQUIRED 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 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.
- KEY NOTES** **B**

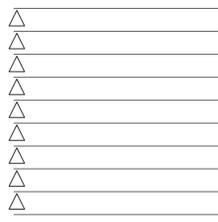
TACO BELL
 US Route 220
 Township of Bedford, PA

LIVE MAS
 LARGE 50
ROOF FRAMING PLAN
S3.0

PERMIT PLOT DATE: 01.04.16



07.30.15
Trav C. Sweat



CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

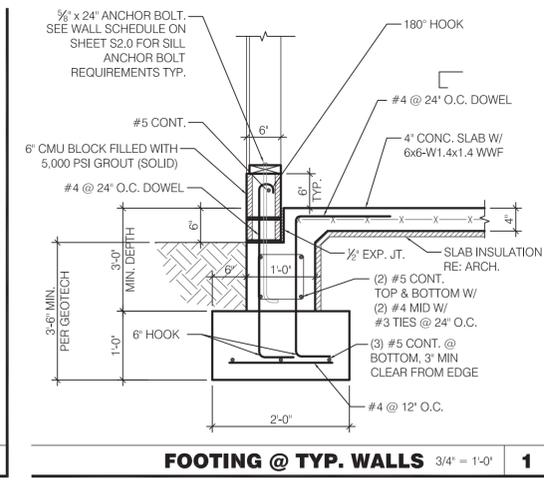
TACO BELL
 US Route 220
 Township of Bedford, PA



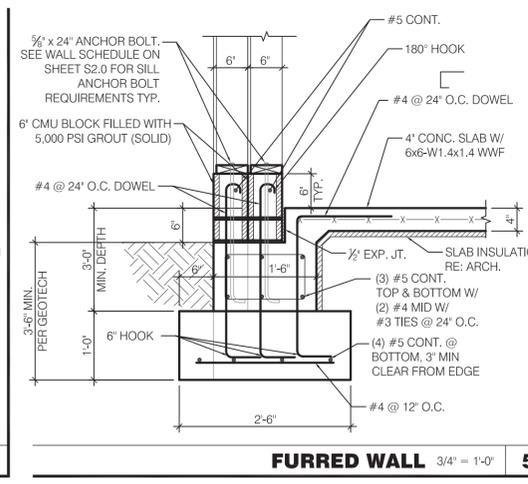
FOUNDATION DETAILS

S4.0

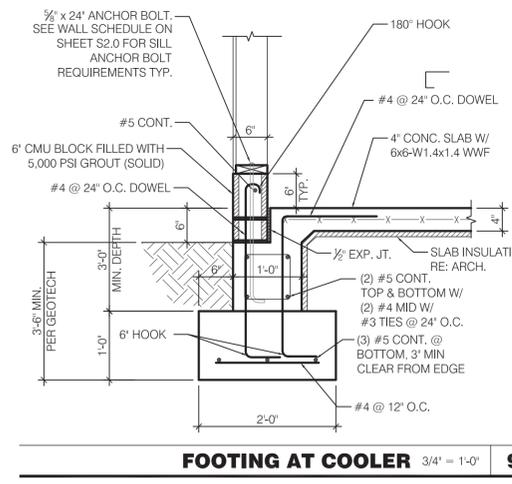
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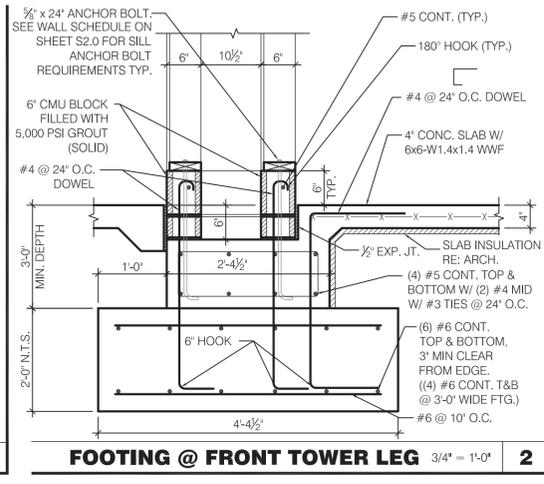
FOOTING @ TYP. WALLS 3/4" = 1'-0" **1**



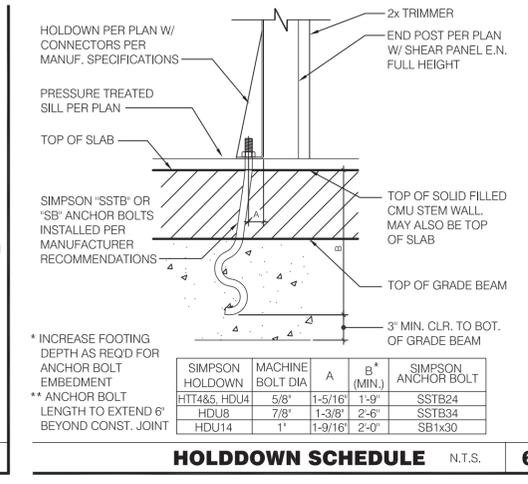
FURRED WALL 3/4" = 1'-0" **5**



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

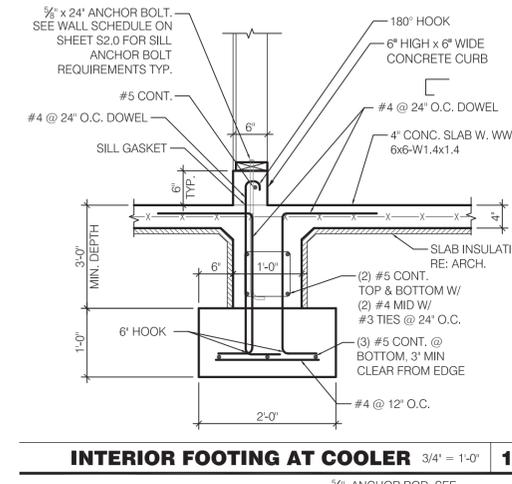


FOOTING @ FRONT TOWER LEG 3/4" = 1'-0" **2**

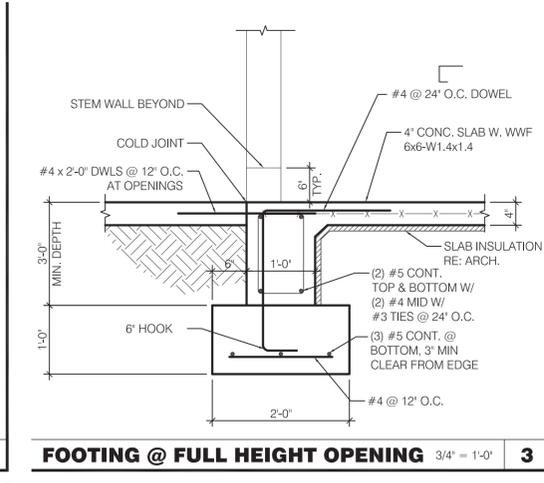


HOLDDOWN SCHEDULE N.T.S. **6**

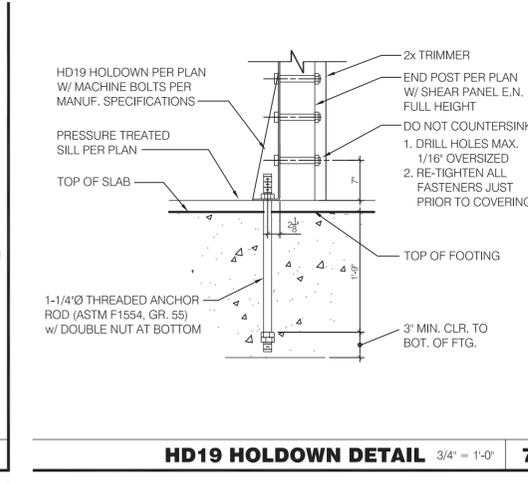
SIMPSON HOLDDOWN	MACHINE BOLT DIA	A	B* (MIN.)	SIMPSON ANCHOR BOLT
HIT4&5, HDU4	5/8"	1-5/16"	1-9/8"	SSTB24
HDU8	7/8"	1-3/8"	2-6/8"	SSTB34
HDU14	1"	1-9/16"	2-0"	SB1x30



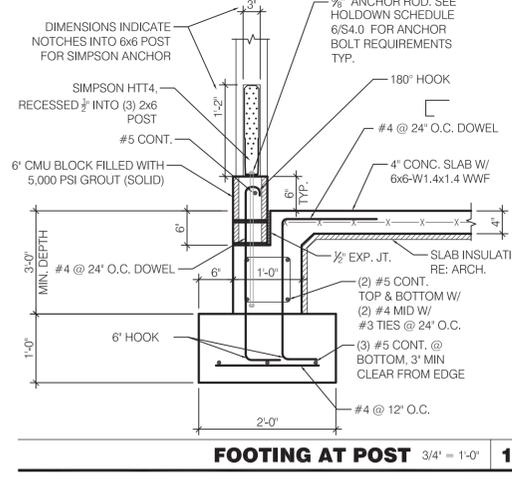
INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **10**



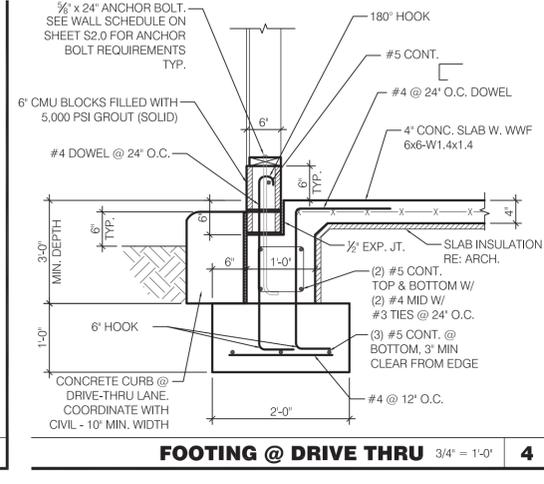
FOOTING @ FULL HEIGHT OPENING 3/4" = 1'-0" **3**



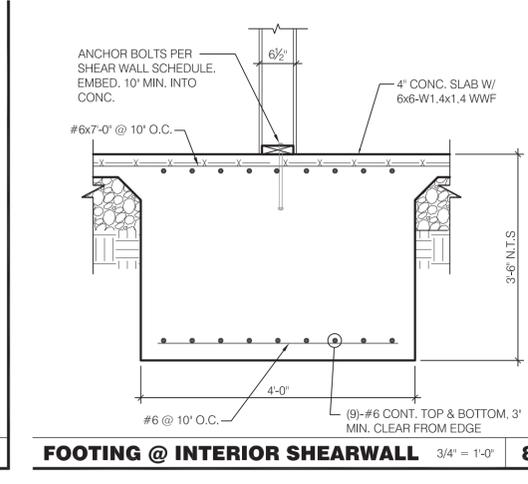
HD19 HOLDDOWN DETAIL 3/4" = 1'-0" **7**



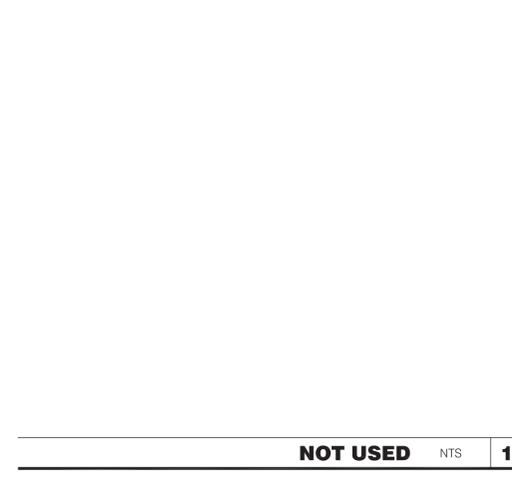
FOOTING AT POST 3/4" = 1'-0" **11**



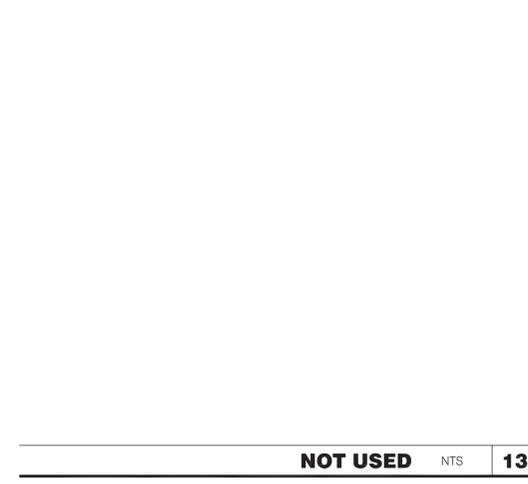
FOOTING @ DRIVE THRU 3/4" = 1'-0" **4**



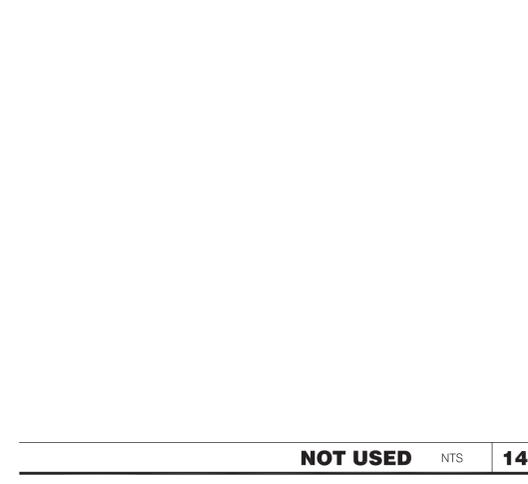
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **8**



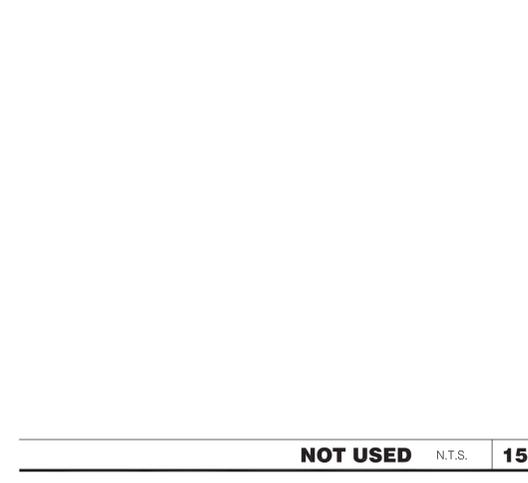
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **8**



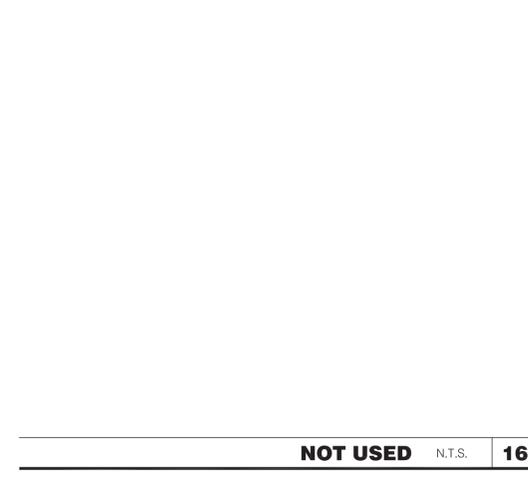
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **12**



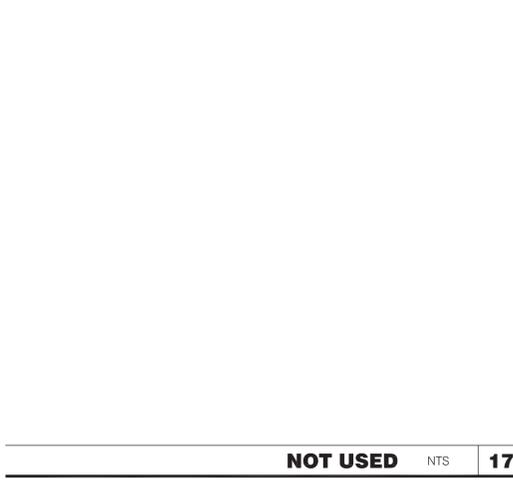
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **16**



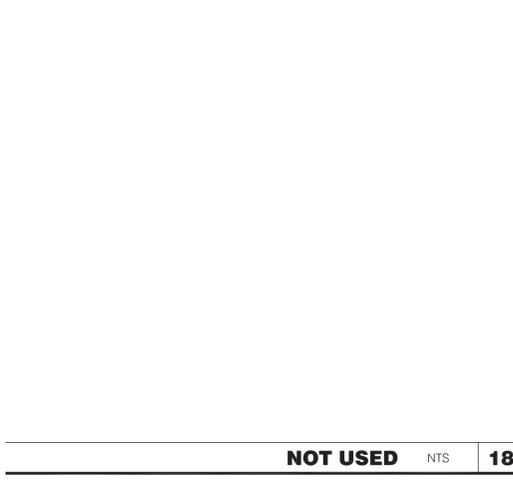
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **15**



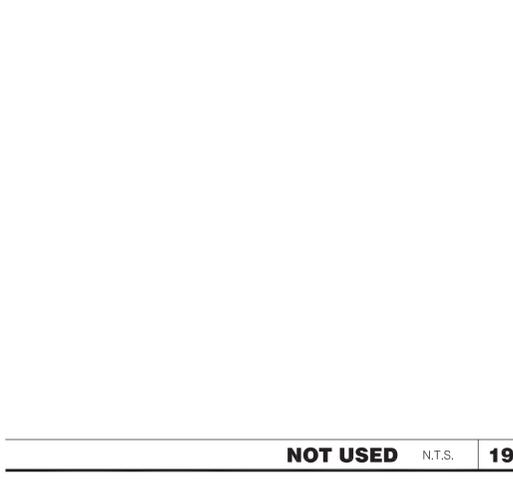
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **16**



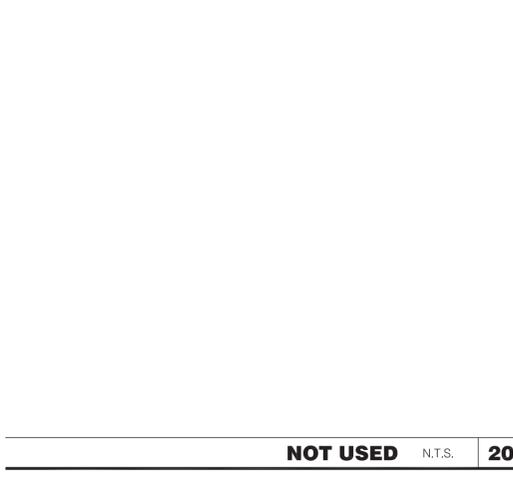
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **17**



FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **18**



FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **19**



FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **20**

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07.30.15
Trav C. Sweat

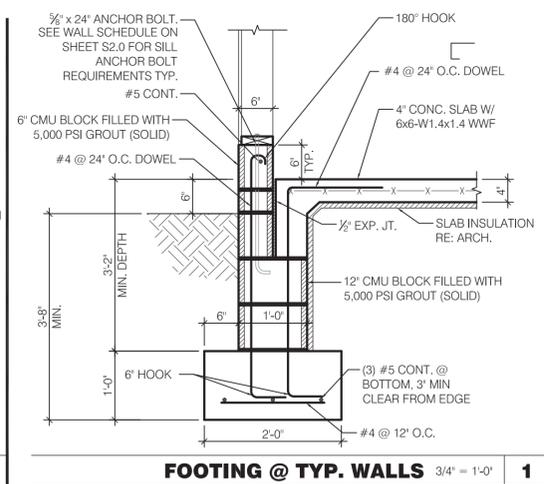
CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA

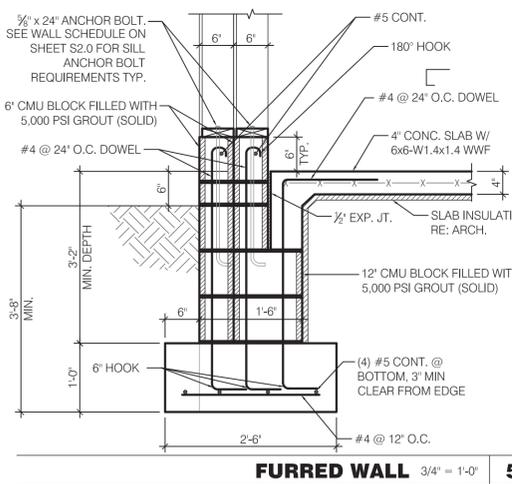
TACO BELL
 LIVE MAS
 LARGE 50
ALTERNATE FOUNDATION DETAILS

S4.0A

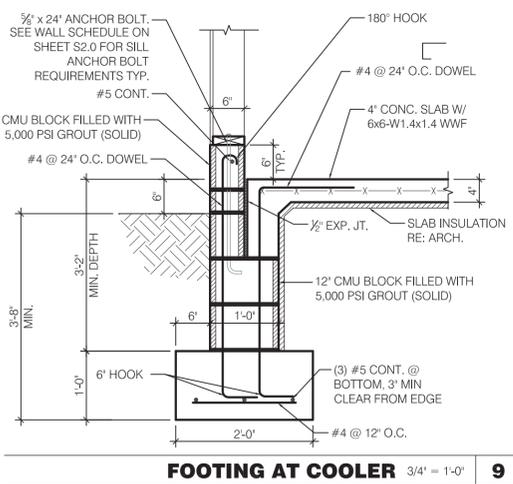
PERMIT PLOT DATE: 07.30.15



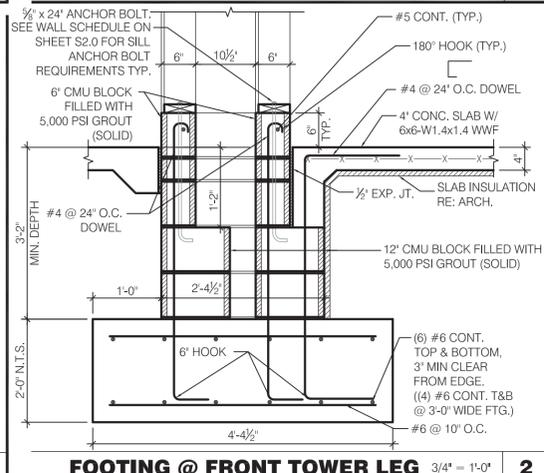
FOOTING @ TYP. WALLS 3/4" = 1'-0" **1**



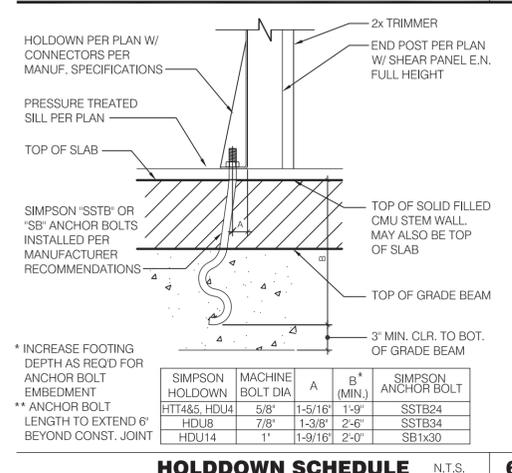
FURRED WALL 3/4" = 1'-0" **5**



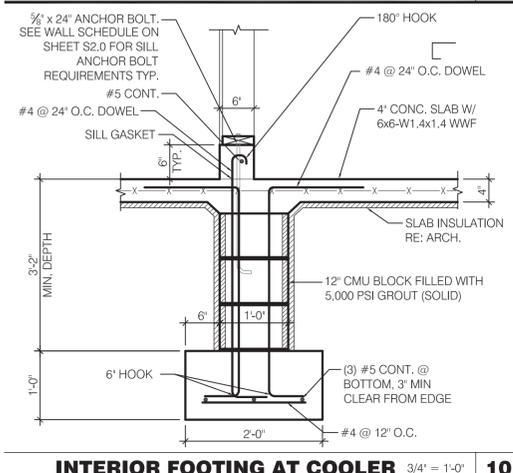
FOOTING AT COOLER 3/4" = 1'-0" **9**



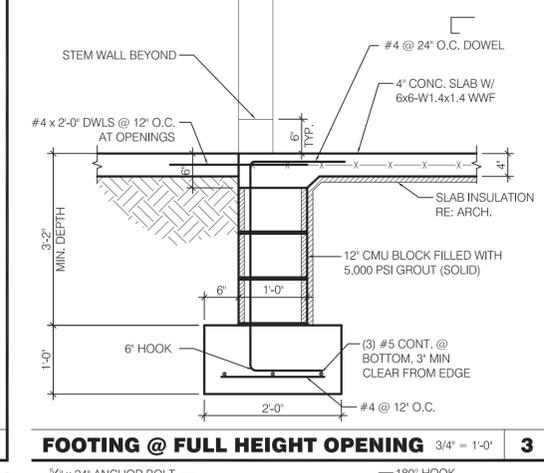
FOOTING @ FRONT TOWER LEG 3/4" = 1'-0" **2**



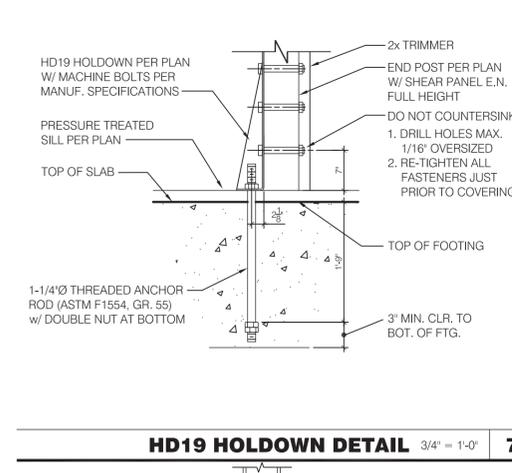
HOLDDOWN SCHEDULE N.T.S. **6**



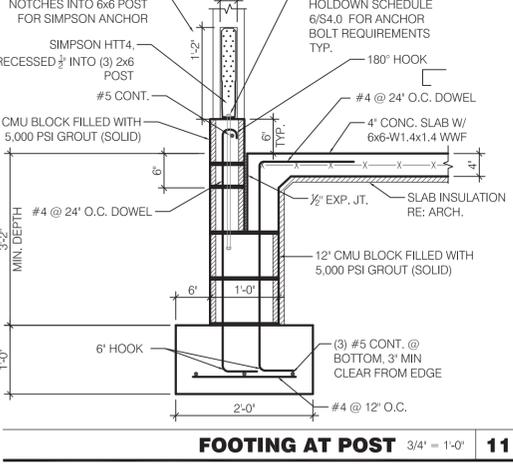
INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **10**



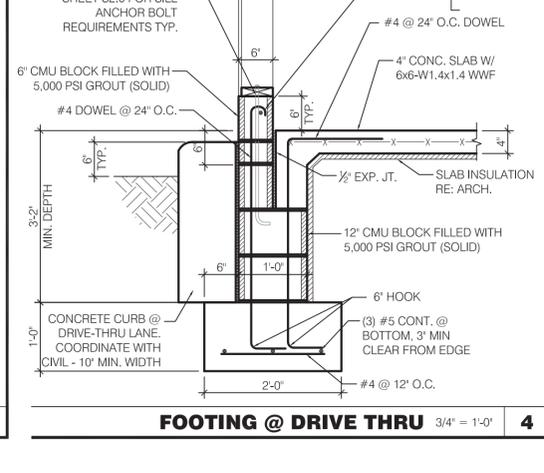
FOOTING @ FULL HEIGHT OPENING 3/4" = 1'-0" **3**



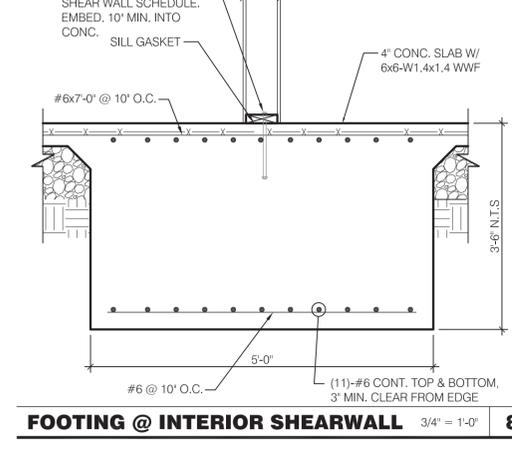
HD19 HOLDOWN DETAIL 3/4" = 1'-0" **7**



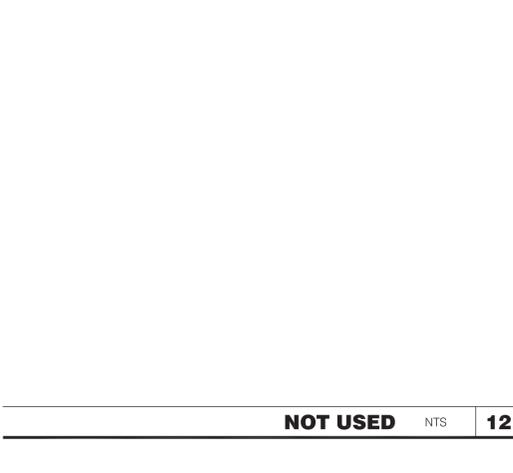
FOOTING AT POST 3/4" = 1'-0" **11**



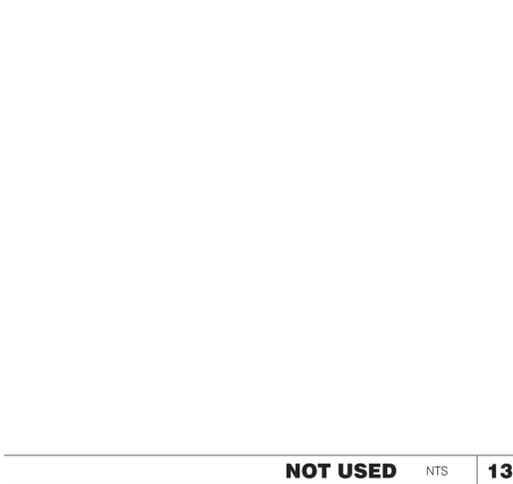
FOOTING @ DRIVE THRU 3/4" = 1'-0" **4**



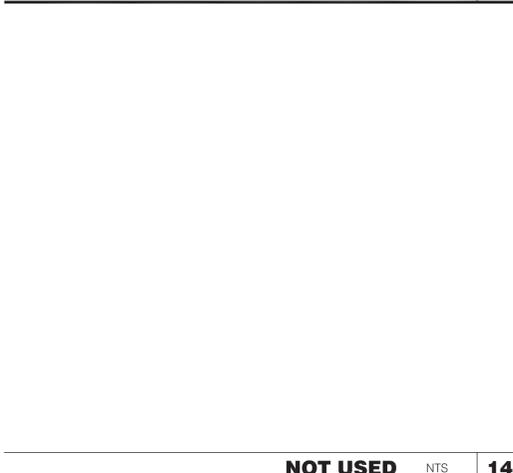
FOOTING @ INTERIOR SHEARWALL 3/4" = 1'-0" **8**



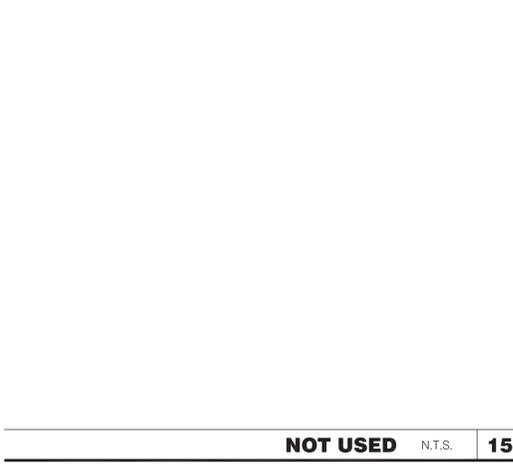
FOOTING AT POST 3/4" = 1'-0" **11**



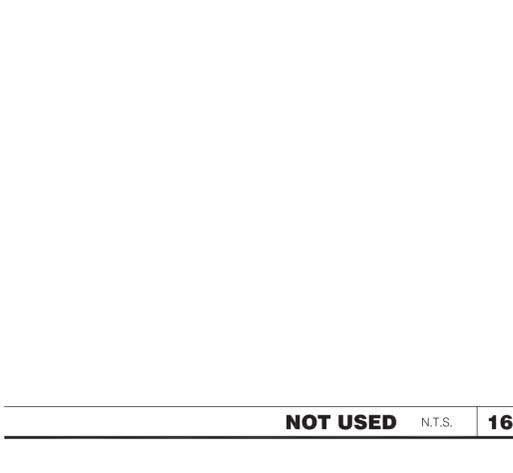
FOOTING AT COOLER 3/4" = 1'-0" **13**



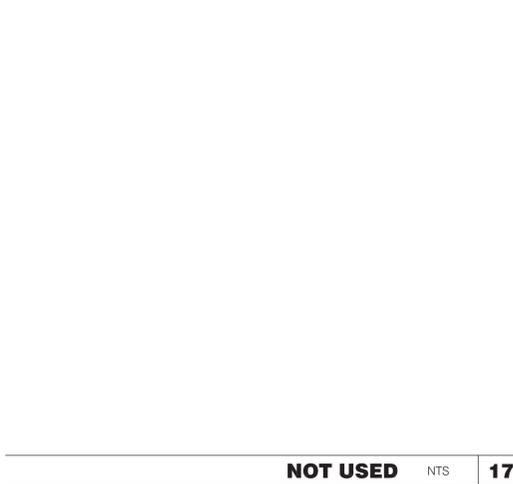
INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **14**



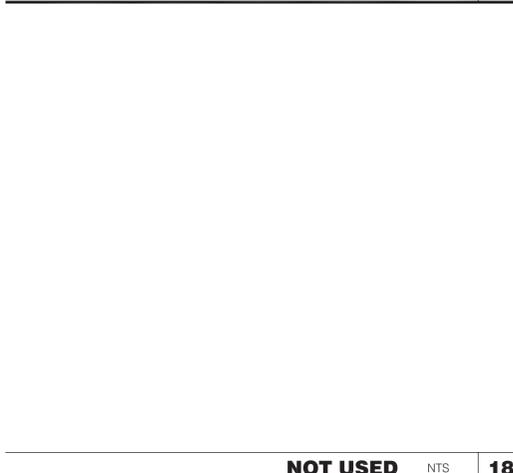
FOOTING AT POST 3/4" = 1'-0" **15**



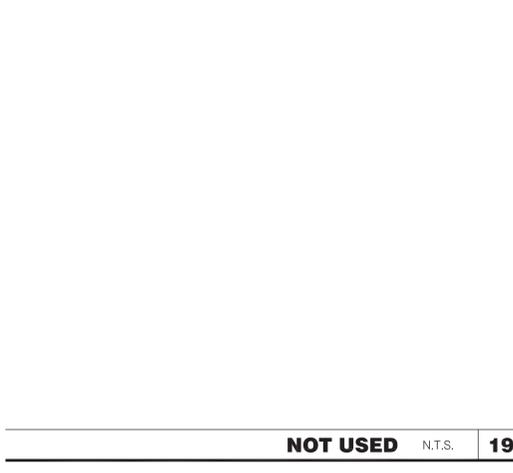
FOOTING AT POST 3/4" = 1'-0" **16**



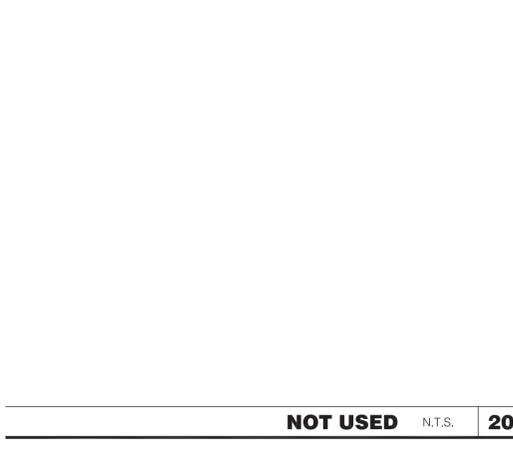
FOOTING AT COOLER 3/4" = 1'-0" **17**



INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **18**



FOOTING AT POST 3/4" = 1'-0" **19**



FOOTING AT POST 3/4" = 1'-0" **20**

NOT USED NTS

NOT USED NTS

NOT USED N.T.S.

NOT USED N.T.S.

NOT USED NTS

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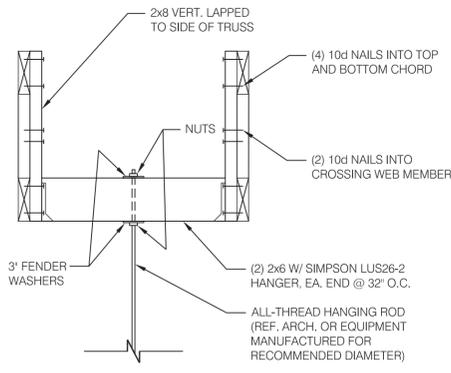
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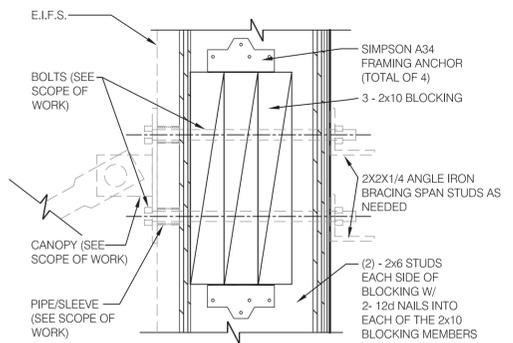
NOT USED NTS

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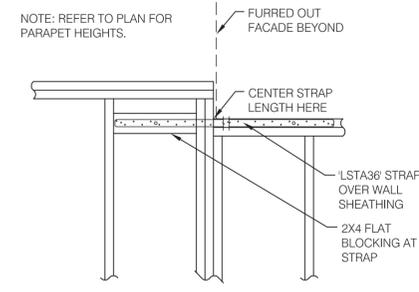
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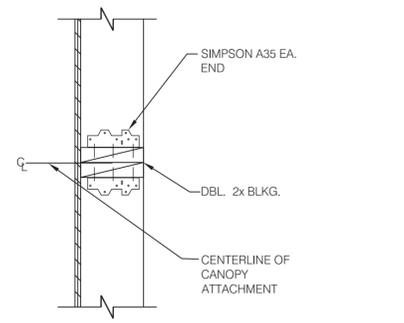
HANGING BULKHD. OR HOOD DETL. N.T.S. **17**



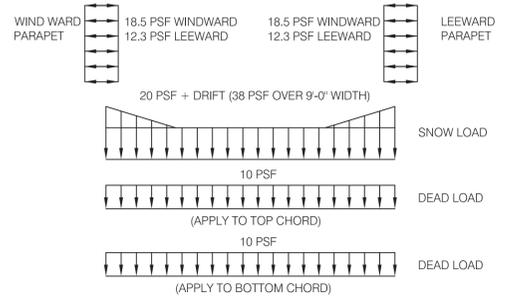
TIE-ROD BLOCKING 3' = 1'-0" **13**



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



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



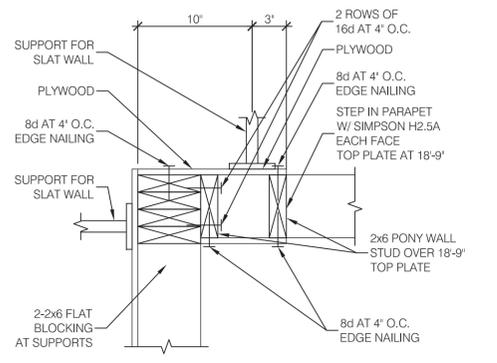
TRUSS DESIGN CRITERIA N.T.S. **18**

EQUIPMENT	DESIGN WEIGHT
HVAC UNIT - RTU-1	★ 1,700 lbs.
HVAC UNIT - RTU-2	★ 2,400 lbs.
EXHAUST FAN - EF-1	★ 200 lbs.
EXHAUST FAN - EF-2	★ 30 lbs.
HOOD #1 - TACO BELL	250 lbs.
ICE CONDENSER #1	200 lbs.
ICE CONDENSER #2	200 lbs.
MUZAK DISH, SLED & BALLAST - ALLOW FOR LOCATION ANYWHERE ON ROOF.	1,087 lbs.

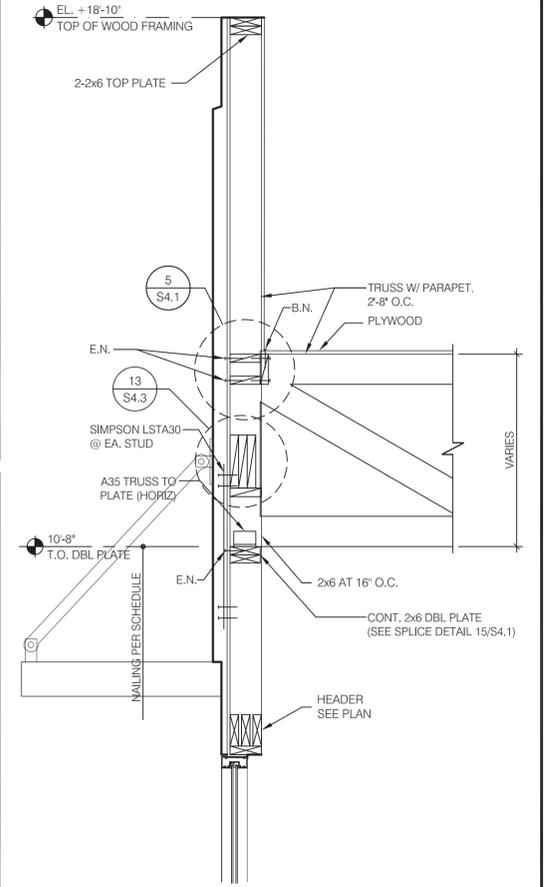
★ A. ALL DESIGN WEIGHTS INCLUDE CURB.
 B. COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE 1/M1.0.
 C. MAXIMUM RTU WEIGHT: 3,000 LBS.
 D. CONFIRM ALL WEIGHTS WITH ACTUAL ITEMS PROVIDED.

ROOF TOP UNIT WEIGHTS N.T.S. **14**

NOT USED **10**



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

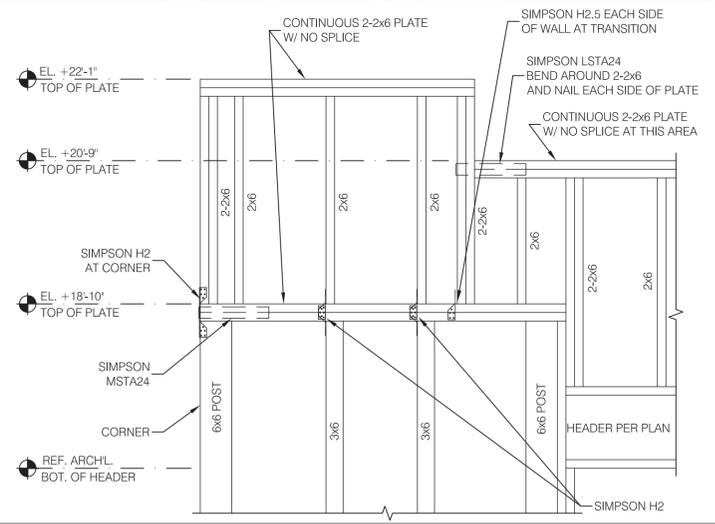


D/T WALL SECTION 3/4' = 1'-0" **2**

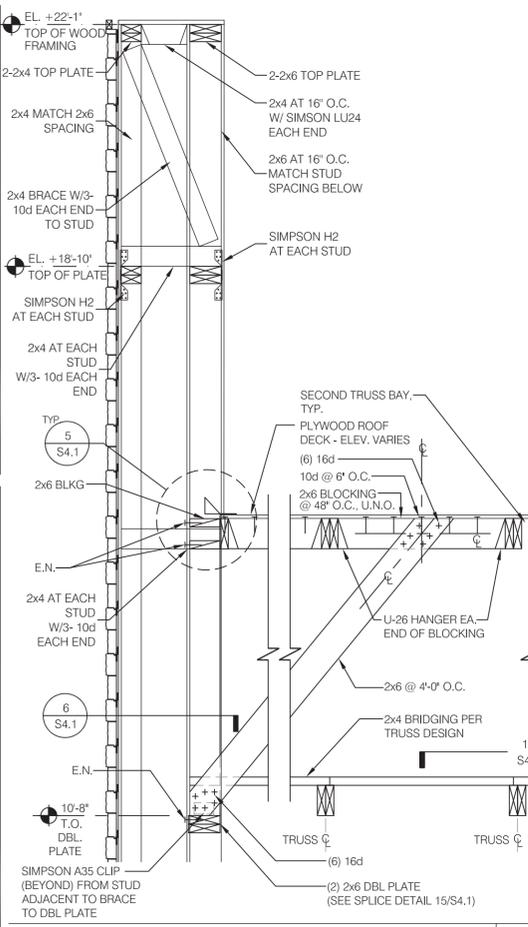
TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T29	X	XX	▲	SEE NOTE 1.

NOTES:
 1. HOLDDOWN 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.

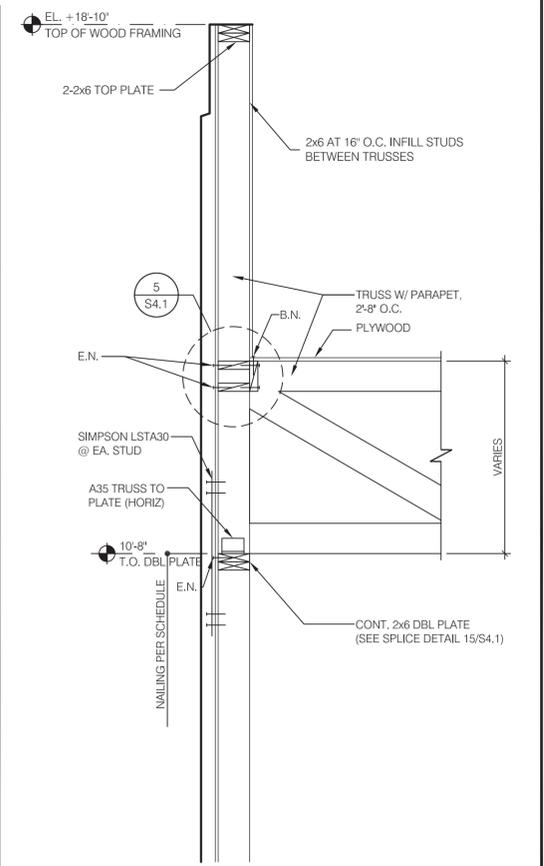
TRUSS SCHEDULE N.T.S. **19**



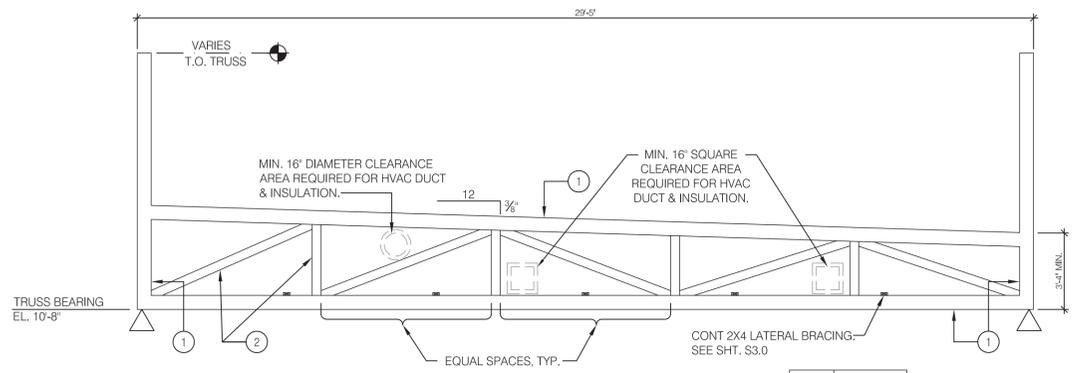
FRONT WALL AT TOWER 3/4' = 1'-0" **11**



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

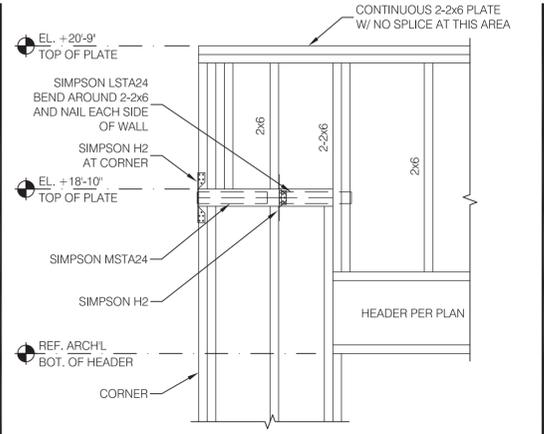


LOW SIDE WALL AT JOIST 3/4' = 1'-0" **4**



1	2x6 MIN.
2	2x4 MIN.

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



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

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07.30.15
Trav C. Sweat

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA

TACO BELL
LIVE MAS
 LARGE 50

STRUCTURAL DETAILS

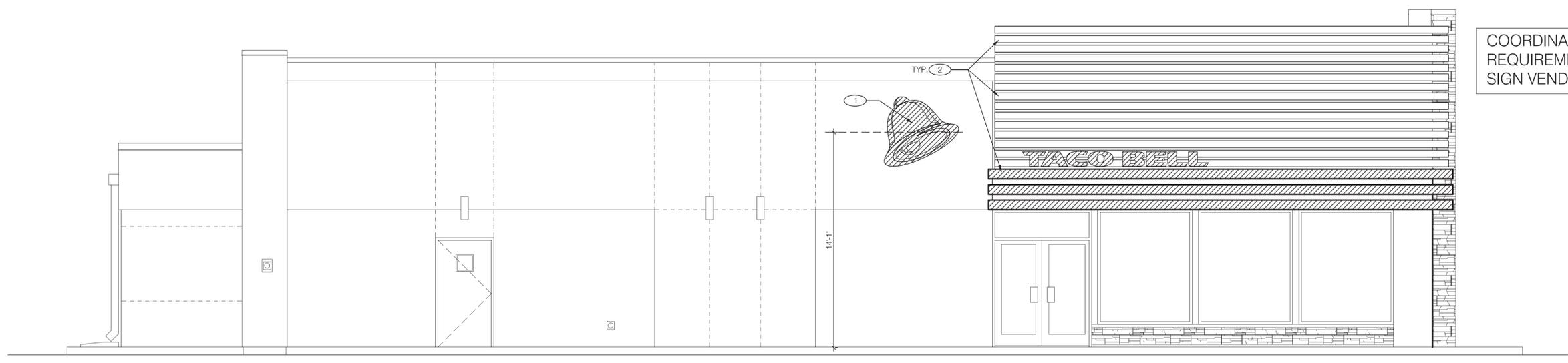
S4.3

PERMIT PLOT DATE: 07.30.15

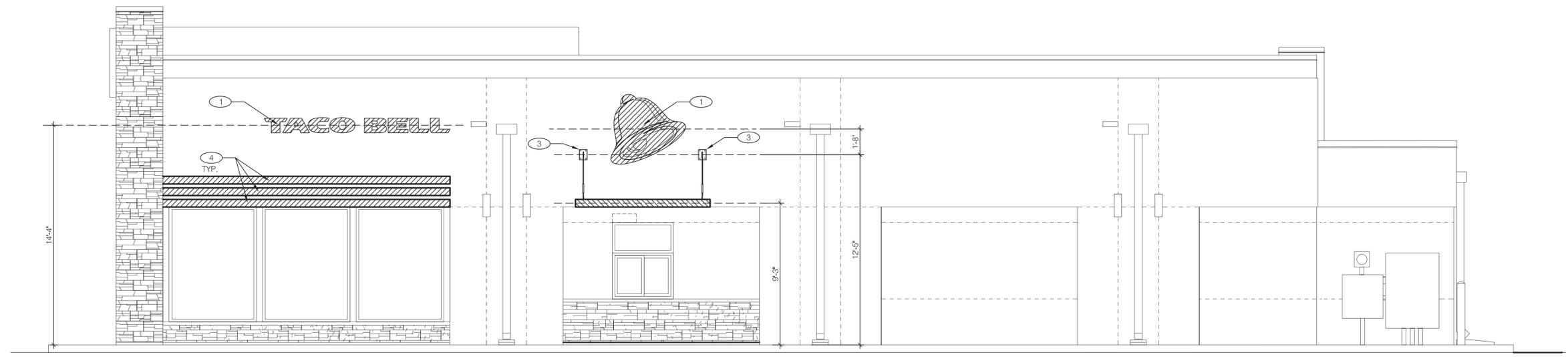
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COORDINATE BLOCKING
 REQUIREMENTS WITH
 SIGN VENDOR



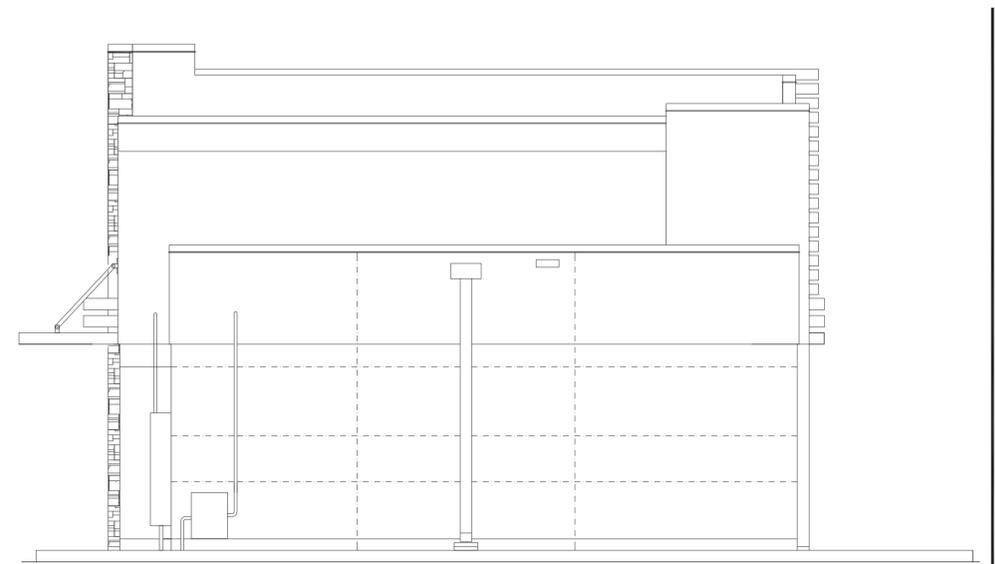
RIGHT SIDE ELEVATION 1/4" = 1'-0" **A**



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**



01.04.16
Trav C. Sweat

OWNER'S COMMENTS	DATE
	01.04.16

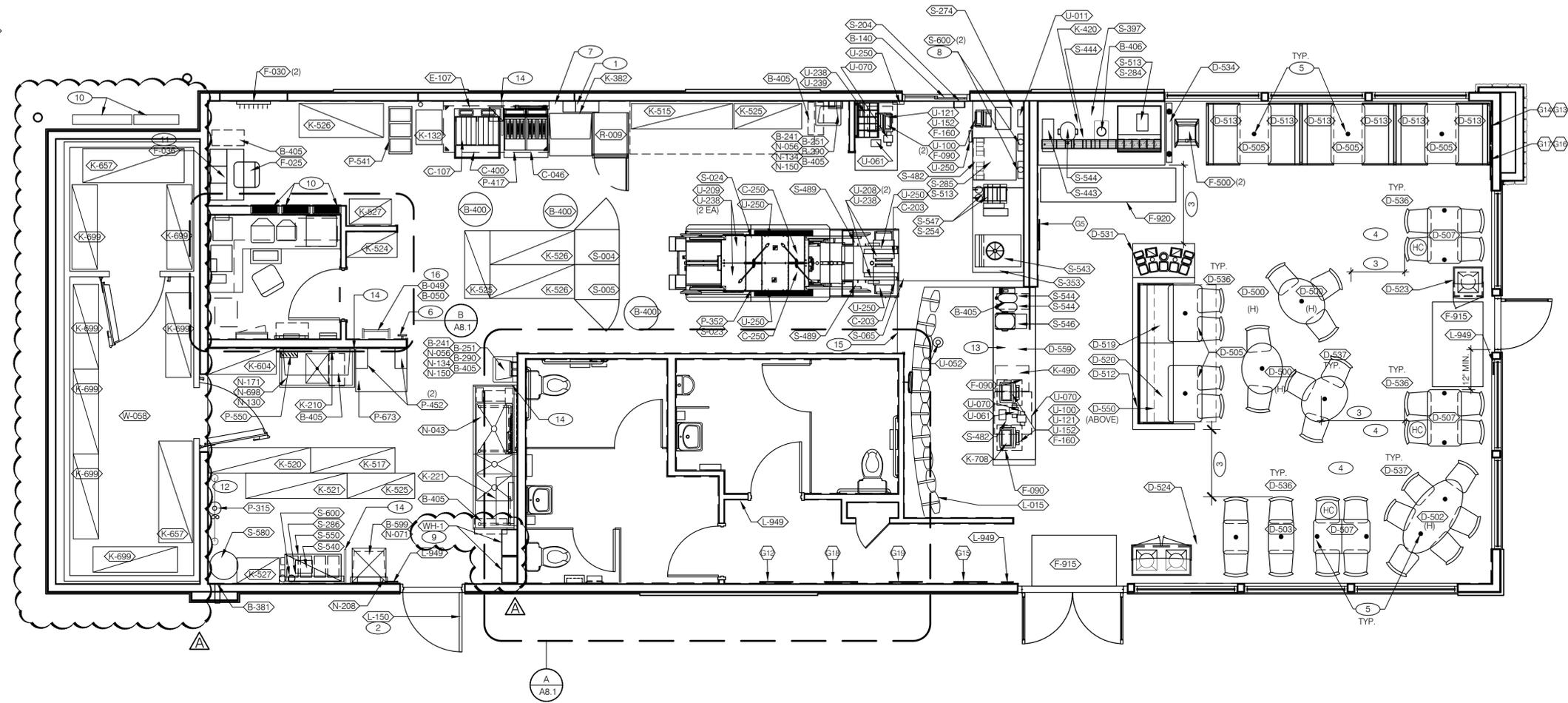
CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA

LIVE MAS
 LARGE 50
**CANOPY/
 AWNING
 BLOCKING
 ELEVATIONS**
\$5.0

PERMIT PLOT DATE: 01.04.16

SEE SITE PLAN ← L-090



- OWNER COMMENTS - 12.07.15
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CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 ~ REV 0
 SITE NUMBER:
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EQUIPMENT/SEATING PLAN 1/4"=1'-0" **A**

SYM.	QTY.	ITEM
D-500	3	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	1	TABLE - RECTANGLE - STD HEIGHT - 18" X 24" - CORE DRILL BASE
D-505	5	TABLE - RECTANGLE - STD HEIGHT - 24" X 40" - CORE DRILL BASE
D-507	3	TABLE - RECTANGLE - STD HEIGHT - 24" X 40" - CORE DRILL BASE (ADA)
D-512	1	DIVIDER WALL - 108" LONG
D-513	6	OPEN BACK BENCH SETTEE - 42"
D-519	1	BACKLESS BENCH SETTEE - 42"
D-520	1	BACKLESS BENCH SETTEE - 57"
D-523	1	SINGLE TRASH RECEPTACLE
D-524	1	DOUBLE TRASH RECEPTACLE
D-559	1	SERVICE COUNTER - 126"
D-531	1	CONDIMENT COUNTER - SQAURE CORNERS

SEATING PACKAGE - BY SEATING VENDOR U.O.N. (TOTAL SEATS = 54) **E**

SYM.	QTY.	ITEM
D-534	1	SCREEN WALL
D-536	18	FORMED WOOD SHELL DINING CHAIR
D-537	14	FORMED WOOD SEAT STOOL
D-550	1	8'-1" x 3'-7" SOFFIT BY DISTRIBUTOR.

SYM.	QTY.	ITEM	REMARKS
E-11	1	TASTE EXPLOSION 1 OF 4	SEE A8.0 FOR LOCATION
E-12	1	TASTE EXPLOSION 2 OF 4	SEE A8.0 FOR LOCATION
E-13	1	TASTE EXPLOSION 3 OF 4	SEE A8.0 FOR LOCATION
E-14	1	TASTE EXPLOSION 4 OF 4	SEE A8.0 FOR LOCATION
E-15	1	VOLCANO TARGET	SEE A8.0 FOR LOCATION
E-16	1	NYC TACO TAXI	SEE A8.0 FOR LOCATION
E-17	1	TACO NIGHT TIME	SEE A8.0 FOR LOCATION
E-18	1	TACO BEACH BELL	SEE A8.0 FOR LOCATION
E-19	1	NUTRITION BOARD	SEE A8.0 FOR LOCATION

ARTWORK SCHEDULE **D**

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

GENERAL NOTES **C1**

STORAGE TYPE	LINEAR FT.
DRY STORAGE	62
COLD STORAGE	36
FROZEN STORAGE	16

SHELVING QUANTITIES REQUIRED **C2**

- HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
- SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
- MAINTAIN 36" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
- 30" x 48" CLEAR FLOOR SPACE FOR HANDICAP ACCESS.
- DOT INDICATES CORE DRILL LOCATION. CORE DRILL LAYOUT TO BE PROVIDED BY THE SEATING VENDOR. SEE DETAIL 7/A8.3 AND SCOPE OF WORK. CHANGE CORE DRILL BITS TO MATCH DECOR BASE SIZE TO MAINTAIN 3/8" MAX GROUT LINE AROUND BASE.
- PULL STATION @ 3'-8" A.F.F.
- GAS LINE DOWN TO EQUIPMENT.
- COORDINATE LOCATION OF HORIZ PVC SYRUP CHASE THROUGH WALL TO COUNTER.
- OWNER PROVIDED TANKLESS WATER HEATERS AND RACK - SEE PLUMB.
- SWITCHGEAR/ELECTRIC PANELS.
- EMPLOYEE WORK STATION. SEE DETAIL B/A8.3.
- 8' LADDER.
- BRINKS SAFE.
- SPLASH GUARD.
- ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- ROOF LADDER. SEE ELEVATION 5/A8.3.

KEYNOTES **B**

TACO BELL
 US Route 220
 Township of Bedford, PA



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-241	4	X		SOAP DISPENSER (WALL MOUNT)	KAY 3741				SURFACE MTD	B-241	
B-251	2	X		SANITIZER DISPENSER	KAY 3741				SURFACE MTD.	B-251	
B-265	2	X		MIRROR, 18" X 36"	BOBRICK #B-165-1836				SURFACE MTD	B-265	
B-275	3	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-301	-	X		RESTROOM PARTITION PACKAGE	BOBRICK SIERRA SERIES #1090				OVERHEAD BRACED, COLOR: SC03 'TERRA COTTA'	B-301	
B-305	2	X		GRAB BAR 1-1/2"DIA X 42" S.S. FIN.	BOBRICK #B6806X42				SURFACE MTD	B-305	
B-306	2	X		GRAB BAR 1-1/2"DIA X 18" S.S. FIN.	BOBRICK #B6806X18				SURFACE MTD	B-306	
B-381	1	X		CO2 CARBON DIOXIDE SENSOR/WARNING	AMPROBE CO2-200		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	2	X		SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140				INCLUDES ACCESSORY KIT & MOUNTING HARDWARE	B-410	
B-590	2	X		MOP SINK STATION	ISS #WST920Y					B-590	
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	C-046	
C-107	1	X		RETHEMALIZER	PITCO #TB-SRTG14-2	X	X	X	COMES WITH GAS HOSE KIT	C-107	
C-203	2	X		SPLIT LID CLAM SHELL TOASTER	DOUGHPRO #SL1575TBA (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 RETHEMALIZER	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 106H 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) 36"W x 19 1/4"D x 27"H	HON#582LL				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-025	1	X		CHAIR - EMPLOYEE (LARGE PROTO ONLY)	VIROCO #VIROCO162				IN REAR CORNER NEAR THE DRIVE THRU SEE SHEET A2.0	F-025	
F-030	2	X		COAT HOOKS	ISS #HOKK246R2Y				OPTIONAL	F-030	
F-036	1	X		EMPLOYEE WORK STATION	ISS #WST754E					F-036	
F-040	1	X		OFFICE COMPUTER	POS PROVIDED		X		IN OFFICE SEE SHEET A8.1	F-040	
F-050	1	X		CREDIT CARD SATELLITE ROUTER JUNCTION	YUM		X			F-050	
F-060	1	X		MONITOR/OFFICE	YUM				IN OFFICE SEE SHEET A8.1	F-060	
F-080	1	X		OFFICE PRINTER/ COPIER/ FAX/ SCANNER	POS PROVIDED		X		IN OFFICE SEE SHEET A8.1	F-080	
F-090	4	X		UPS (UN-INTERRUPTABLE POWER SUPPLY)	POS PROVIDED		X			F-090	
F-102	1	X		MONEY COUNTER	TELLERMATE #TIX3000					F-102	
F-131	1	X		MUSIC SYSTEM	MUZAK #6848, LOCAL LEASE		X		MUZAK (LOCAL LEASE)	F-131	
F-160	3	X		DROP SAFE	PERMA VAULT #PRO-10					F-160	
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 #KB103-01 GREY PLASTIC					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 MADE SIMPLE 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	K-221	
K-382	1	X		FRY WORKSTATION 30"W x 30"D x 75"H	ISS #FRYTAB3030YA					K-382	
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-515	1	X		TORTILLA RACK 18"x72"x76" (3 TIER)	ISS #WST1465Y					K-515	
K-517	1	X		PREP RACK 18" X 60" X 76" (6 TIER)	ISS #WST1469Y					K-517	
K-519	1	X		LARGE PACKAGE RACK 18" x 48" x 76" (4 TIER)	ISS #WST1472Y					K-519	
K-520	1	X		BACKUP #1 RACK 18" x 72" x 76" (4 TIER)	ISS #WST1544Y					K-520	
K-521	1	X		BACKUP #2 RACK 18" x 72" x 76" (4 TIER)	ISS #WST1547Y					K-521	
K-523	1	X		CUP & LID RACK 18" X 60" X 76" (3 TIER)	ISS #WST1580Y					K-523	
K-524	1	X		FUTURE SHELVING 18" x 36" x 76" (5 TIER)	ISS #WST1612Y					K-524	
K-525	3	X		FUTURE SHELVING 18" x 48" x 76" (5 TIER)	ISS #WST1613Y					K-525	
K-526	3	X		FUTURE SHELVING 24" x 60" x 76" (4 TIER)	ISS #WST1615Y					K-526	
K-527	1	X		FUTURE SHELVING 18" x 30" x 76" (5 TIER)	ISS #WST1611Y					K-527	
K-604	1	X		SHELVING UNIT 18" x 48" x 86" (5 TIER)	ISS #WST331Y				WALK-IN COOLER	K-604	
K-657	2	X		SHELVING UNIT 24" X 72" X 86" (5 TIER)	ISS #SU24285Y				WALK-IN COOLER	K-657	
K-699	7	X		SHELVING UNIT 18" X 60" X 74" (5 TIER)	ISS #SU186075Y				WALK-IN COOLER	K-699	
K-708	1	X		DUNNAGE RACK	ISS#WST1702Y				UNDER FRONT COUNTER	K-708	
L LIGHTING/SIGNAGE/MENUBOARDS											
L-015	1	X		INTERIOR MENU BOARD PACKAGE - ROTATING, 10-PANEL	EVERBRITE RTO2060P					X	L-015
L-090	1	X		OCB	HYPERACTIVE #TDM-HX1-H05-TCB				REQUIRES THE USE OF XPIENT POS SYSTEM		L-090
L-150	1	X		SECURITY DOOR DANGER SIGN	ADVERCO #ADVDCUSTOM						L-150
L-949	4	X		NO SMOKING SIGN	VOLLRATH #4513						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				N-043
N-056	2	X		HAND SINK (KITCHEN)	AERO #HSK		X				N-056
N-071	1	X		MOP SINK FAUCET	T&S #B-2456 -W-MAX		X				N-071
N-130	1	X		1 COMP. SINK FAUCET	T&S FAUCET B-2463		X				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				N-141
N-150	2	X		HAND SINK FOOT PEDAL	T&S B-0507		X				N-150
N-171	1	X		1 COMP. SINK WASTE DRAIN LEVER	T&S FAUCET S-20		X				N-171
N-208	1	X		MOP SINK 24"x24" FLOOR MOUNT SINK	AERO MANUF. CO., INC. #3MP-2121-6/1P		X				N-208
N-698	1	X		1 COMP PREP SINK 53"W X 27"D X 35 1/2"H	AERO #2F211617LR		X				N-698
P FOOD PREPARATION											
P-314	1	X		PRESSURE REGULATOR	AJANTUNES & CO #7000314						P-314
P-315	1	X		REVERSE OSMOSIS SYSTEM	3MPURIFICATION INC. # 36123-06.FSTM-07	X					P-315
P-352	1	X		DUAL LINE, 157" READY TO ACCEPT EVO CABINETS	DELFIELD #TB000P67 (DUKE OPTIONAL)	X	X				P-352
P-417	1	X		8-CHANNEL TIMER	FAST #TRACK24TB			X			P-417
P-452	2	X		HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X				P-452
P-541	1	X		STORAGE BINS	B&B SYSTEMS #03070100						P-541
P-550	1	X		KNIFE RACK	EDLUND #KR-99						P-550
P-673	1	X		WORK TABLE, 36" X 30"	ISS #WST908YA						P-673
R REFRIGERATION											
R-009	1	X		FULL HT FREEZER (LH HINGED)	DELFIELD #6125XL-SH1			X			R-009
S SERVING/DRIVE-THRU											
S-004	1	X		HEAT CABINET - FULL HEIGHT - (1) LH	BEVLES #CS82-CH8 120LH			X			S-004
S-005	1	X		HEAT CABINET - FULL HEIGHT - (1) RH	BEVLES #CS82-CH8 120RH			X			S-005
S-023	1	X		WARMER,EVO TACO TOWER,TB,208V, L TO R UNIT	CARTER HOFFMAN #EVOR208			X			S-023
S-024	1	X		WARMER,EVO TACO TOWER,TB,208V, R TO L UNIT	CARTER HOFFMAN #EVOR208			X			S-024
S-065	1	X		DESSERT TOWER	HATCO #GRBW-24D			X			S-065
S-204	1	X		DRIVE-THRU TIMER SYSTEM	HME #C11422TB			X			S-204
S-254	1	X		CONDIMENT RACK	PRONTO PRODUCTS #CHPW0446						S-254
S-274	1	X		BEVERAGE COUNTER DRIVE THRU (36" x 61")	ISS #WST1242YA						S-274
S-277	1	X		PICK-UP DRIVE THRU COUNTER (30" x 45")	ISS #WST1630Y						S-277
S-284	1	X		BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X				S-284
S-285	1	X		BEVERAGE DISPENSER - DRIVE THRU	SERVEND NGF-250QD	X	X				S-285
S-286	1	X		WATER FILTER SYSTEM	SHURFLO # WB6-M3-22-003	X	X				S-286
S-397	1	X		SELF SERVE DRINK COUNTER (90" LONG)	CARTER HOFFMAN #CH3TDS90N56						S-397
S-443	1	X		18"Hx23"Dx10"W STRAW - LID DISPENSER	CAL-MIL ADA TB103						S-443
S-444	1	X		NAPKIN DISPENSER	NAPKIN DISPENSOR #5555100						S-444
S-353	1	X		60"(W) X 36"(D) DRIVE-THRU DRINK TABLE	# TBD						S-353
S-482	2	X		CUP DISPENSER	A.J. ANTUNES #DAC560						S-482
S-489	2	X		DIGITAL SCALE	EDLUND DS-10			X			S-489
S-513	2	X		ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC #SY-1474C	X	X				S-513
S-540	1	X		PEPSI BOOSTER TANK	FBD #1228400021	X	X				S-540
S-543	1	X		FROZEN BEVERAGE DISPENSER	BUNN TDO-N-3.5	X	X				S-543
S-544	3	X		ICED TEA DISPENSER	TETLEY TB30	X	X				S-544
S-546	1	X		ICED TEA BREWER	MY CAFE AP AUTOPOD #42300.0001	X	X				S-546
S-547	1	X		BUNN POD BREWER	CORNELIUS/REMCOR BNB12B8P	X					



OWNER COMMENTS - 12.07.15

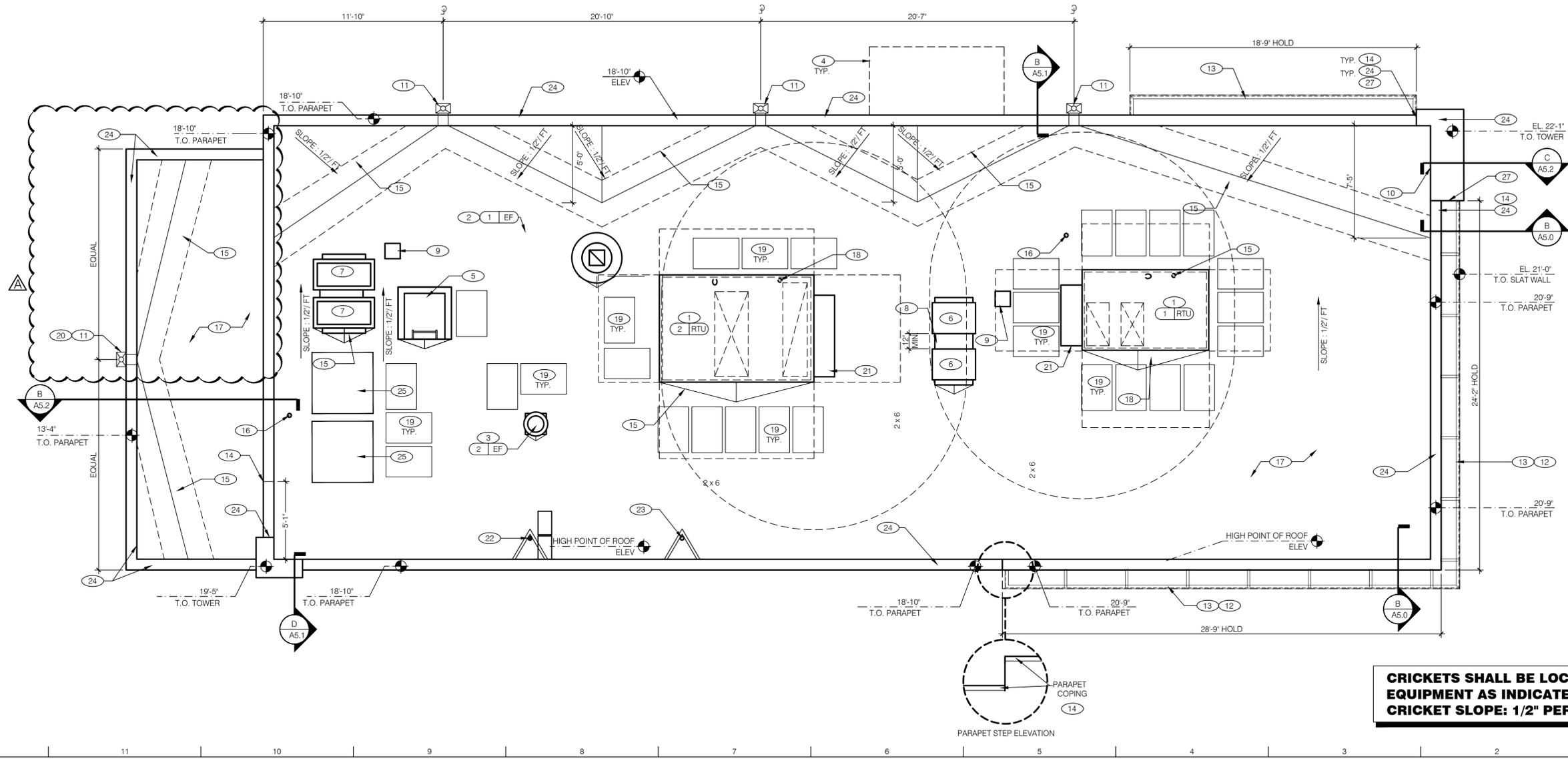
CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



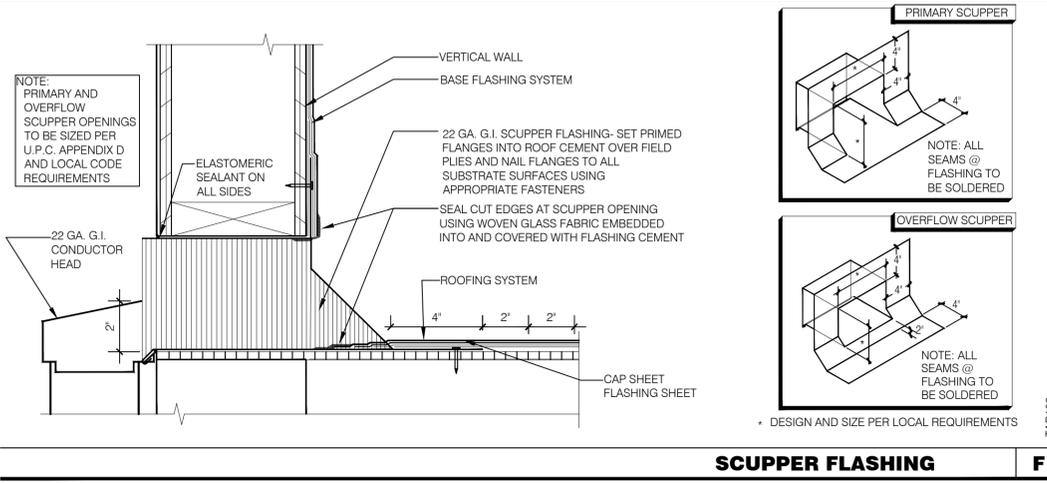
ROOF PLAN
A3.0

PERMIT PLOT DATE:



CRICKETS SHALL BE LOCATED AT THE EQUIPMENT AS INDICATED. MINIMUM CRICKET SLOPE: 1/2" PER FOOT.

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

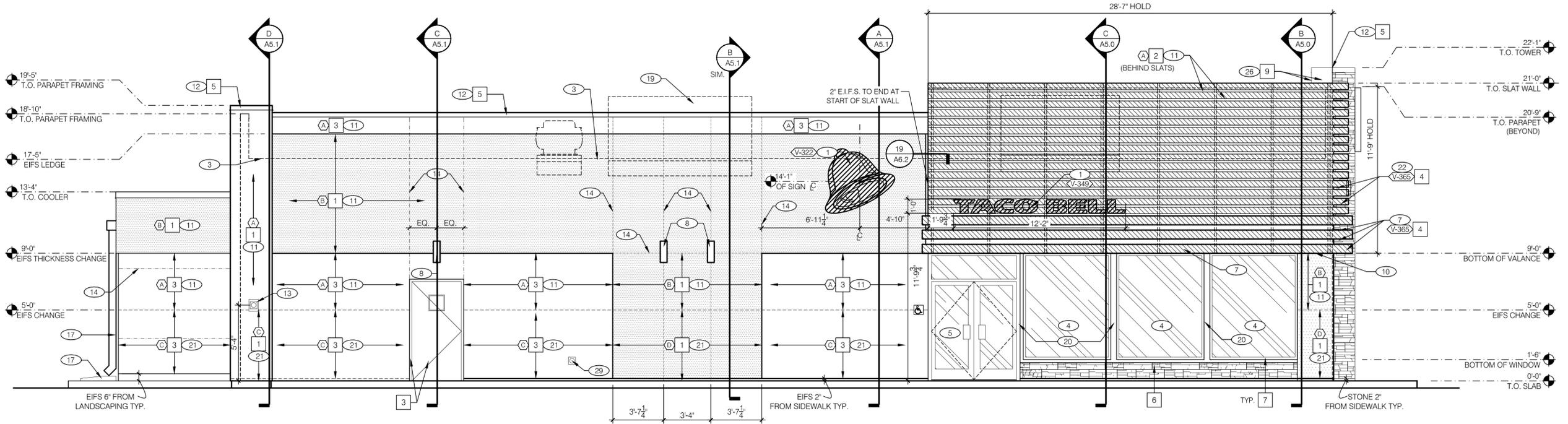


WATERPROOFING:
 A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
 B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
 C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
 D. SEE SPECIFICATIONS FOR SEALANT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

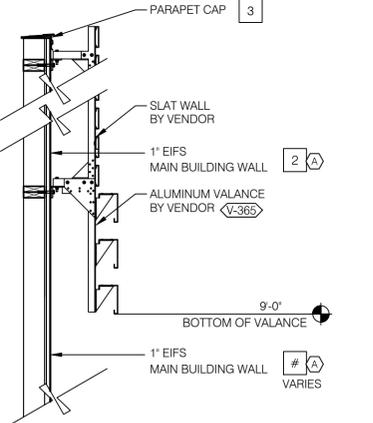
MISCELLANEOUS:
 A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
 B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.
 C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF PLAN NOTES **E**

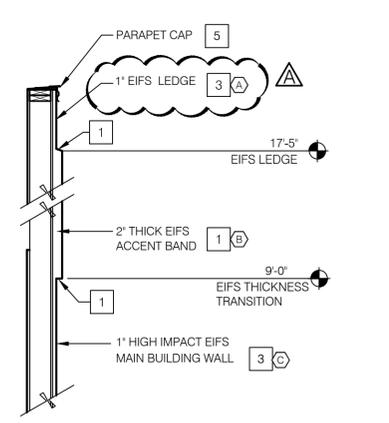
- 1 ROOFTOP UNIT. INSTALL PLUMB AND LEVEL.
 - 2 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 19/A6.0.
 - 3 RESTROOM EXHAUST FAN. SEE 18/A6.0.
 - 4 CANOPY. SEE SCOPE OF WORK.
 - 5 ROOF HATCH. SEE 7/A6.0.
 - 6 ICE MACHINE CONDENSERS.
 - 7 WALK-IN COOLER / FREEZER CONDENSERS. SEE SCOPE OF WORK SHEET.
 - 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.
 - 13 ALUMINUM VALANCE. SEE SCOPE OF WORK.
 - 14 CHANGE IN PARAPET ELEVATION. SEE 14/A6.2.
 - 15 ROOF CRICKET. SEE DETAIL 16/A6.0.
 - 16 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.
 - 17 'DURO-LAST' SINGLE PLY ROOF MEMBRANE OVER 1/2" EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURERS SPECIFICATIONS.
 - 18 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.
 - 19 24x36 WALK MATS. SEE ROOF SPECS.
 - 20 MAINTAIN MFR'S ROOFTOP UNIT MAINTAINANCE CLEARANCE.
 - 21 OUTSIDE AIR INTAKE FOR ROOFTOP UNIT. MAINTAIN MIN 10'-0" SEPARATION FROM PLUMBING VENTS, FLUES AND BUILDING EXHAUST.
 - 22 WATER HEATER INTAKE. SEE DETAIL 13/A6.0 FOR BRACING.
 - 23 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.
 - 24 PAINTED METAL PARAPET CAP. SEE DETAIL 2/A6.0.
 - 25 PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK. USE ADJACENT PIPE HOOD FOR DATA WIRE.
 - 26 NOT USED
 - 27 CARRY TOWER FRAMING UP TO PARAPET. SEE FLOOR PLAN SHEET A1.0.
- KEY NOTES** **B**



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. 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.
 B. DENOTES 2" THICK EIFS

"CRITICAL" DIMENSIONS:
 A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/BUILDING ELEMENTS DIMENSIONS.
 B. OWNER REPRESENTATIVE WILL IDENTIFY IF LOTUSAN PAINT WILL BE USED.

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-365	1	SLAT WALL SYSTEM	

* REQUIRES ELECTRICAL CONNECTION. SEE ELECTRICAL PLANS.

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

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		X
V-322	3	TACO BELL 'BELL' SIGN 4'-10 1/2"W x 4'-6 1/4"H		X

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

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

SIGN SCHEDULE N.T.S. **C**

SYMBOL	AREA	MANUFACTURER	COLOR	ALTERNATE MFR.	ALTERNATE COLOR	CONTACT INFORMATION
1	MAIN BUILDING COLOR	SHERWIN WILLIAMS	SW 6122 "CAMEL BACK"	LOTUSAN	NA08-0011	SHERWIN WILLIAMS: BRAD HARRINGTON, 216-341-5558 X115 (PHONE), BRAD.E.HARRINGTON@SHERWIN.COM
2	WALL COLOR BEHIND SCREEN WALL	SHERWIN WILLIAMS	SW 6831 "CLEMATIS"			
3	ACCENT COLOR	SHERWIN WILLIAMS	SW 2823 "ROOKWOOD CLAY"	LOTUSAN	NA08-0010	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.
4	SLAT WALL AND VALANCE COLOR	VENDOR	SW 7034 "STATUS BRONZE" (EQUAL)			
5	PARAPET CAP COLOR	(27) DUROLAST	MEDIUM BRONZE (FACTORY FINISH)	SHERWIN WILLIAMS	SW 7069 "IRON ORE"	DURO-LAST: CURT JAFFEE, 800-356-6646 (PHONE), CJAFFEE@DURO-LAST.COM
6	STONE WALL	BORAL - VERSETTA STONE	TIGHT CUT - "PLUM CREEK"	OWENS CORNING	IDAHO DRY STACK, CARMEL MOUNTAIN CULTURED STONE VENEER - FULLY GROUTED.	VERSETTA STONE WALL: ASHLEY JOYCE, 770-645-4531 (PHONE) ALTERNATE: CORONADO: 1-800-847-8663
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.			DURO-LAST: LEE COBB, 800-434-3876 (PHONE)

EXTERIOR FINISH SCHEDULE **H**

- (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.

- (15) GAS SERVICE.
- (16) WALL SHALL BE FINISHED PRIOR TO INSTALLATION OF SWITCHGEAR.
- (17) SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT WALL. PER SMACNA STANDARDS.
- (18) NOT USED.
- (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) EIFS TRANSITION. SEE DETAIL 7/A6.2 (SIM.)
- (25) EXTEND FRAMING FOR BUMP-OUT DOWN TO ROOF. USE DETAIL 7/A6.2 FOR EIFS TRANSITION.
- (26) DUROLAST SINGLE MEMBRANE ROOFING OR EQUAL.
- (27) IF THE DURO LAST PARAPET CAP TRIM IS USED IT SHALL NOT BE PAINTED.
- (28) OVERFLOW DRAIN.
- (29) HOSE BIBB. SEE DETAIL 8/A6.2.
- (30) RETURN ALUMINUM LOUVERS BACK TO FACE OF BUILDING.

KEY NOTES **D**



OWNER COMMENTS - 12.07.15

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV O
 SITE NUMBER:
 STORE NUMBER:

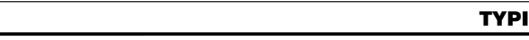
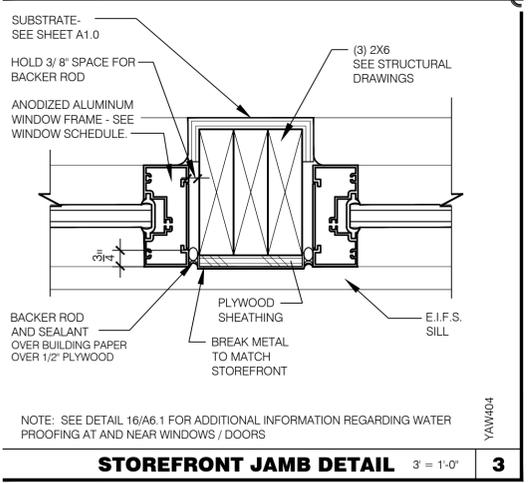
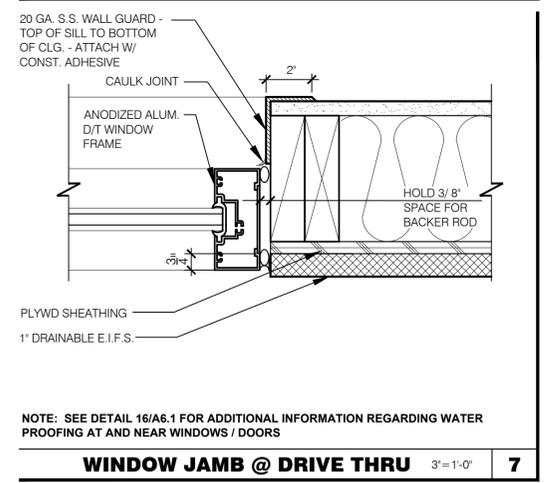
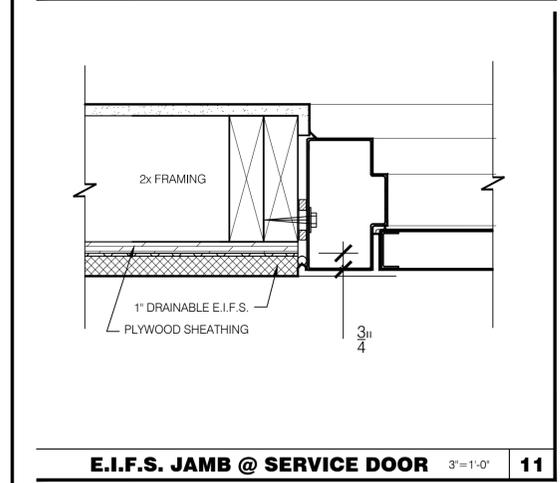
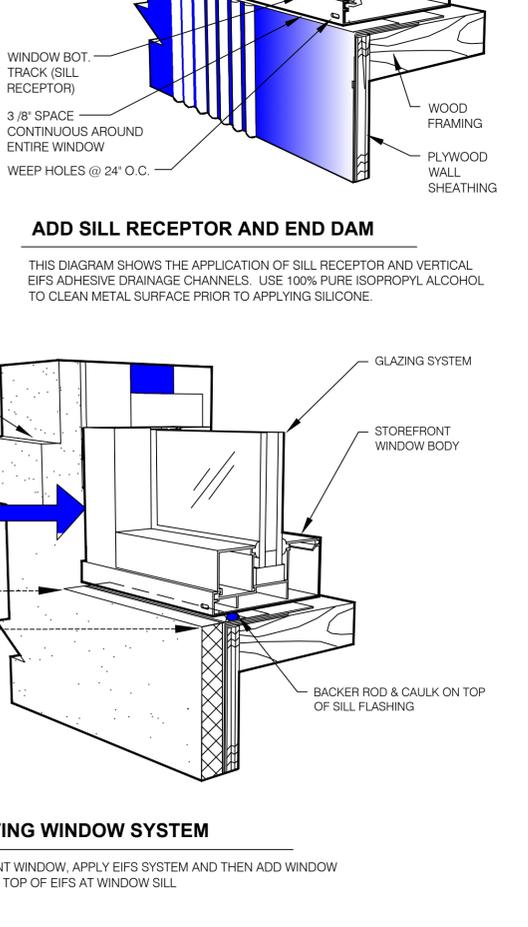
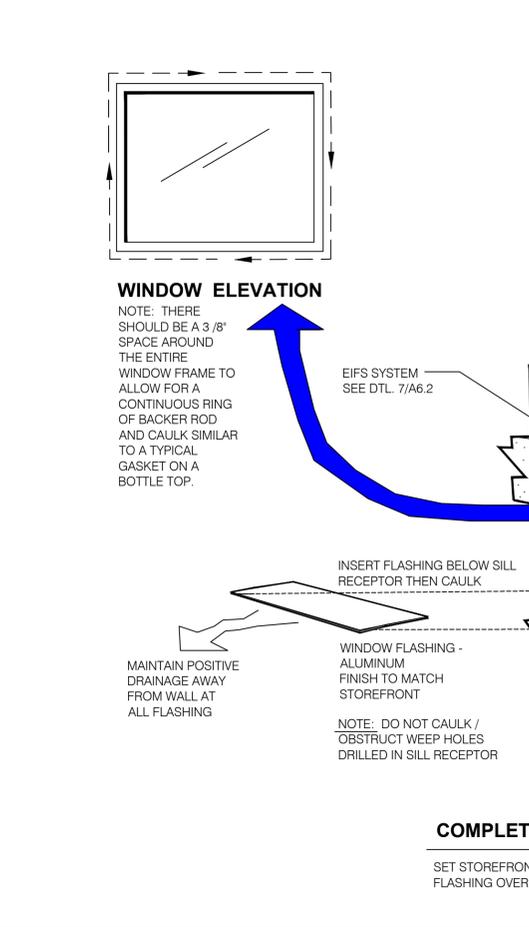
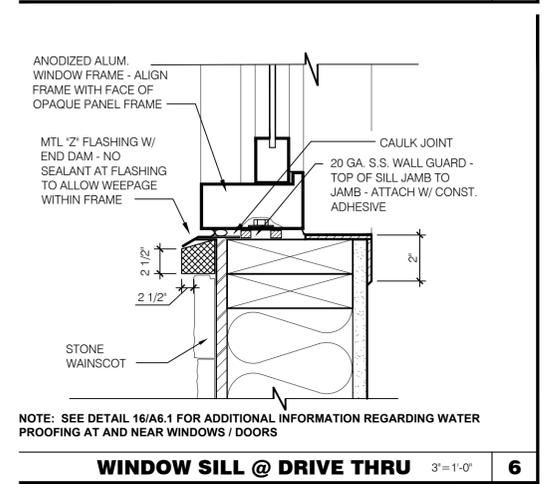
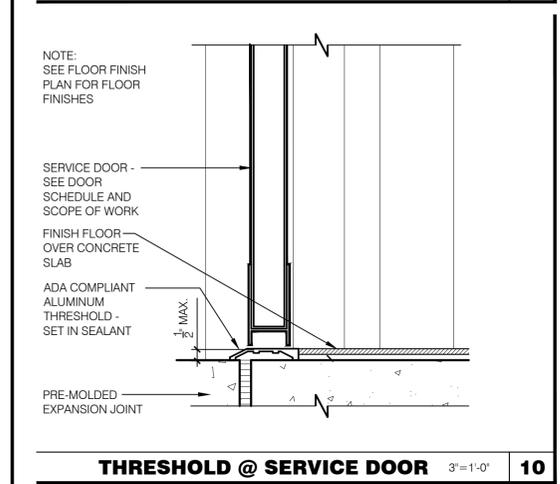
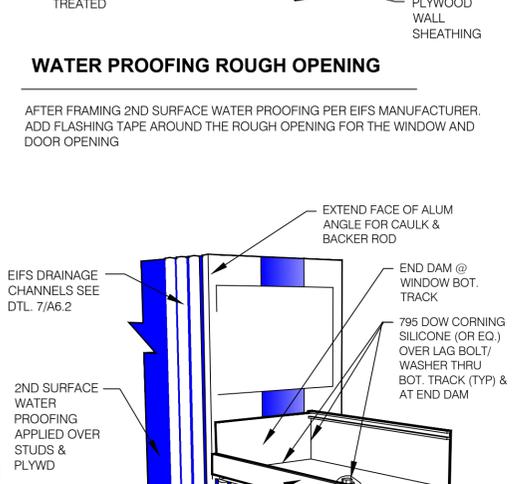
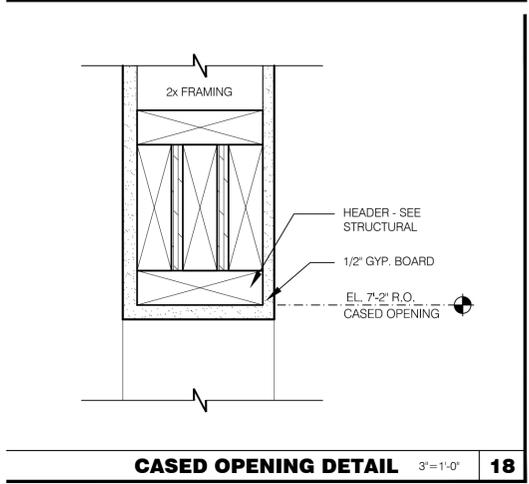
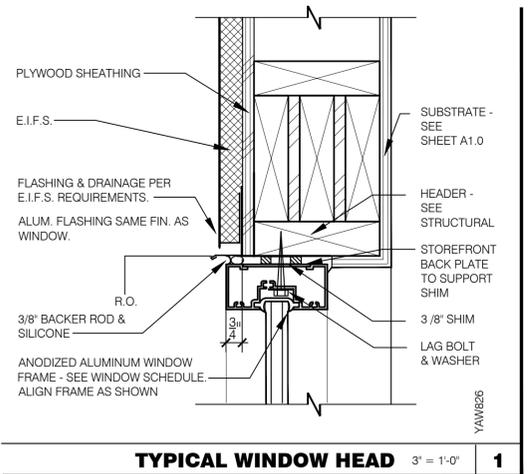
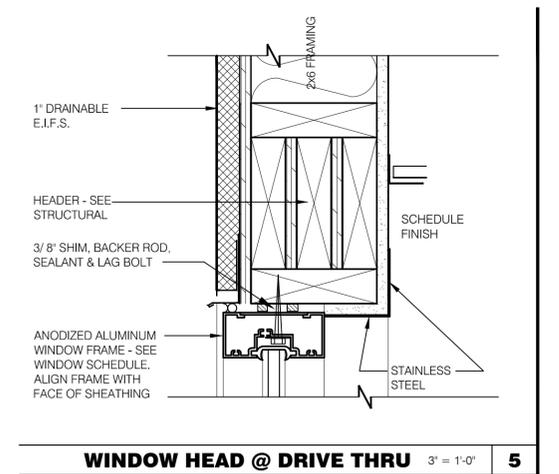
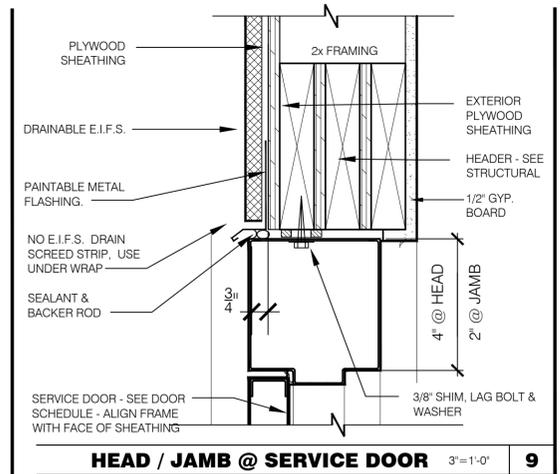
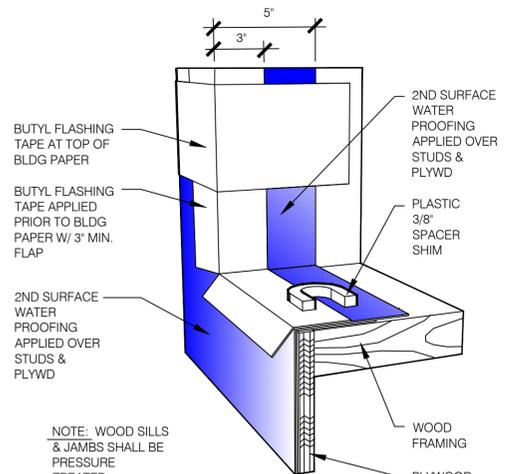
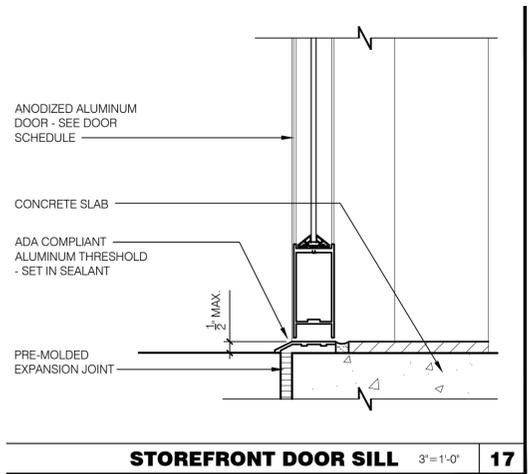
TACO BELL
 US Route 220
 Township of Bedford, PA



EXTERIOR ELEVATIONS

A4.0

PERMIT PLOT DATE:



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

REGISTERED ARCHITECT
PENNSYLVANIA
KATHLEEN DAY
08.05.15

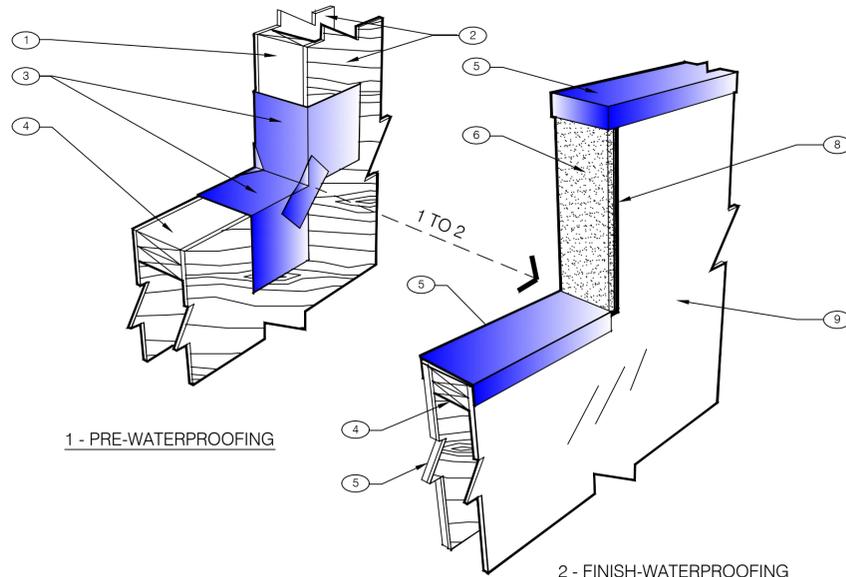
CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL
US Route 220
Township of Bedford, PA

LIVE MAS
LARGE50

CONSTRUCTION DETAILS
DOOR/WINDOW
A6.1

PERMIT PLOT DATE:

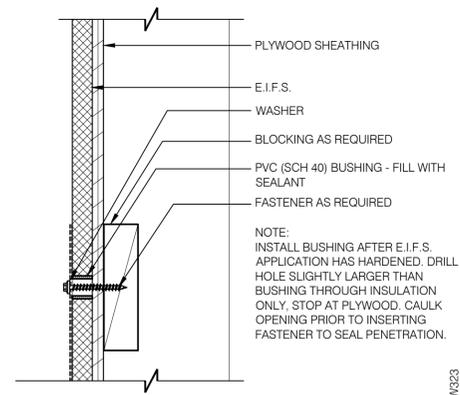


NOTES

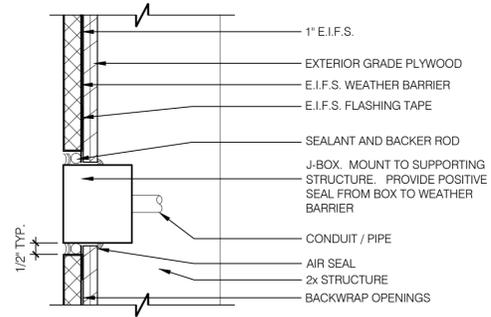
- 1 2X WOOD STUDS
- 2 PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
- 3 FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
- 4 DOUBLE 2X TOP PLATE.
- 5 PAINTED 24 GAUGE PARAPET COPING. 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.

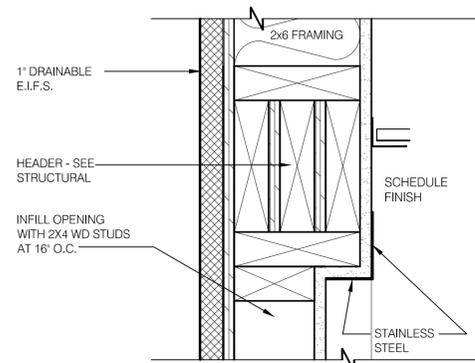
PARAPET CAP & TRANSITION N.T.S. **14**



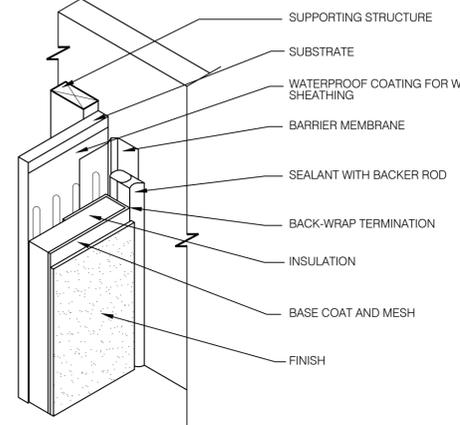
CONNECTION THRU EIFS 3" = 1'-0" **9**



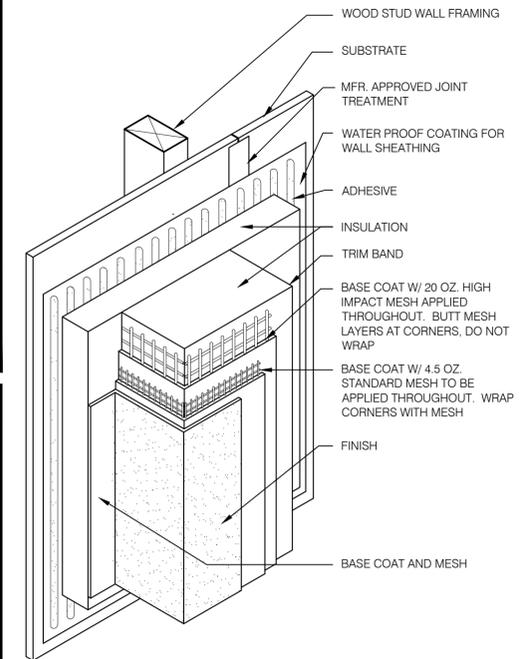
CO2 FILL / J-BOX IN EIFS 3" = 1'-0" **5**



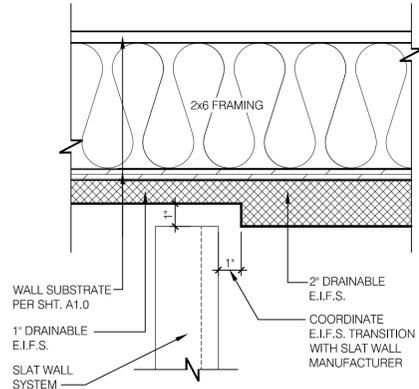
WINDOW HEAD @ PRE-PAY 3" = 1'-0" **10**



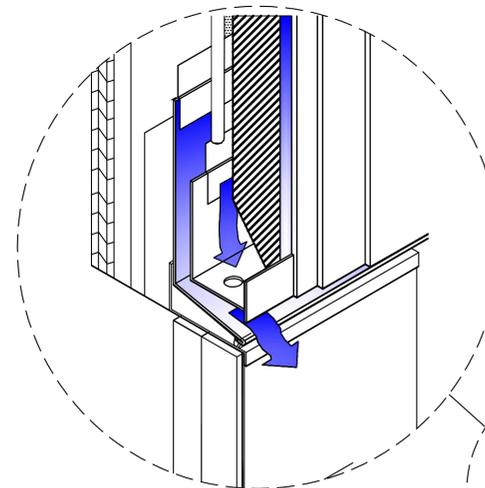
TYP. E.I.F.S. @ INSIDE CORNER N.T.S. **6**



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

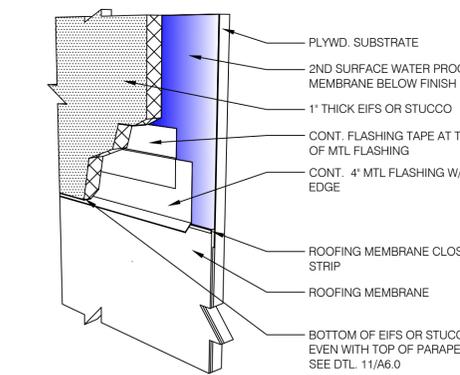
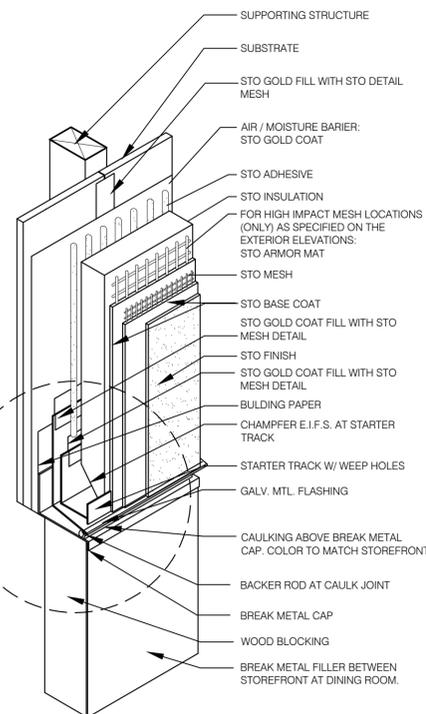


E.I.F.S. TRANSITION @ SLAT WALL 3" = 1'-0" **19**

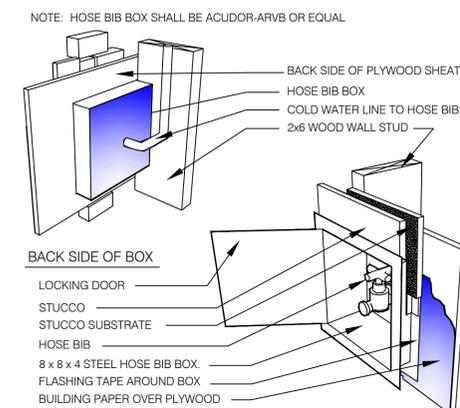


NOTE: E.I.F.S. DETAILS ARE INTENDED TO BE GENERIC. MANUFACTURERS DETAILS AND RECOMMENDATIONS SHOULD BE FOLLOWED. REFER TO SECTION 07240 OF THE SPECIFICATIONS MANUAL.

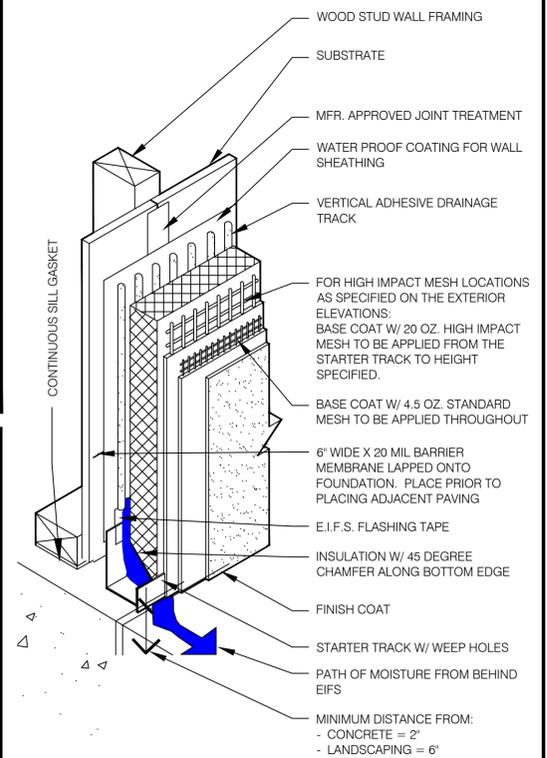
E.I.F.S FLASHING AT TOP OF BREAK METAL **12**



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



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



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



CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL

US Route 220
Township of Bedford, PA



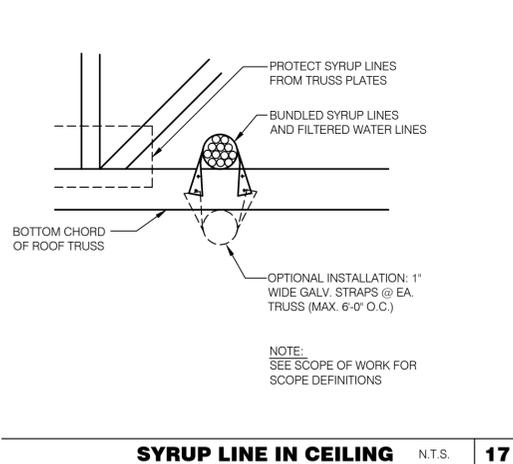
LIVE MAS

LARGES0

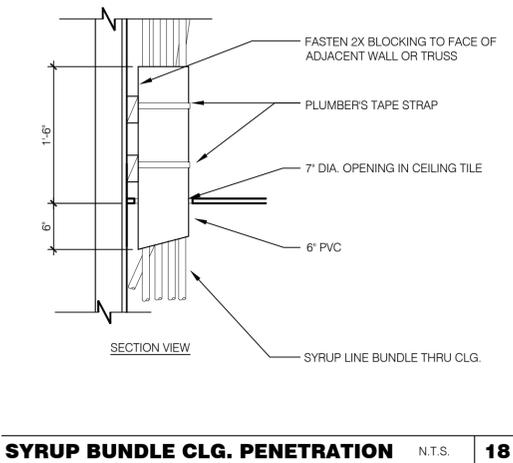
CONST. DETAILS WALL

A6.2

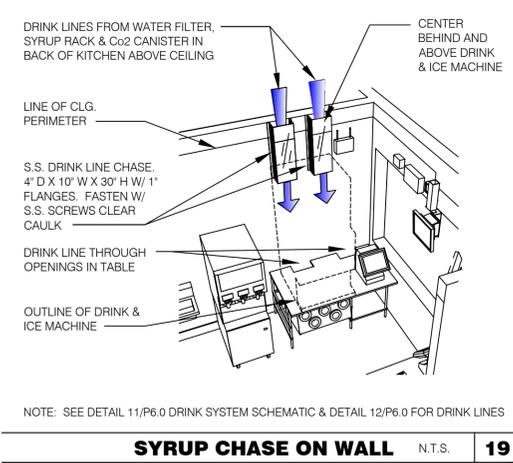
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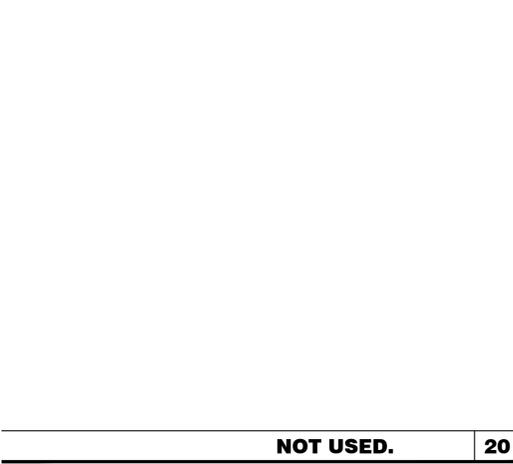
SYRUP LINE IN CEILING N.T.S. 17



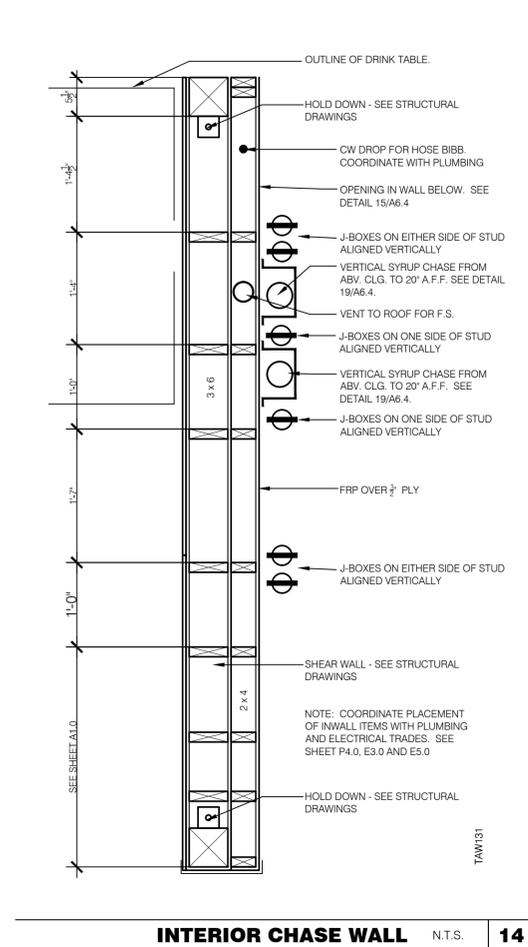
SYRUP BUNDLE CLG. PENETRATION N.T.S. 18



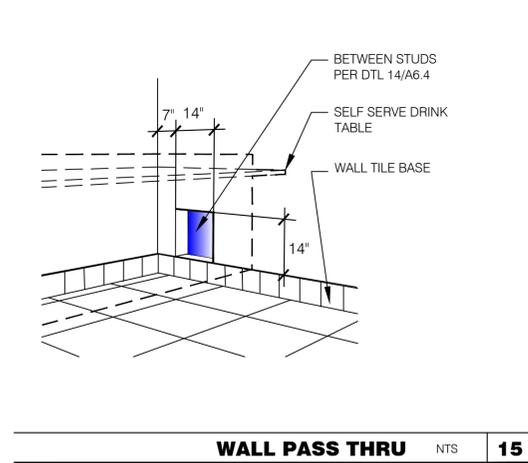
SYRUP CHASE ON WALL N.T.S. 19



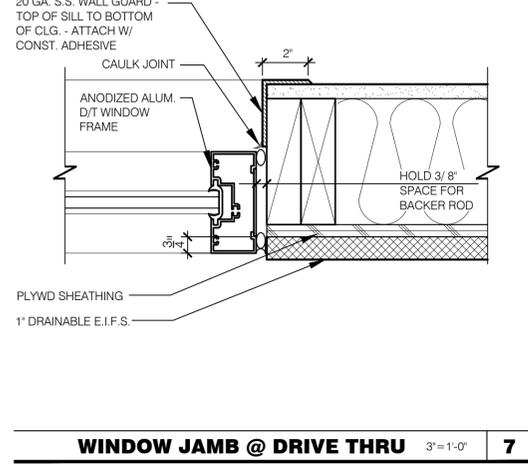
NOT USED. 20



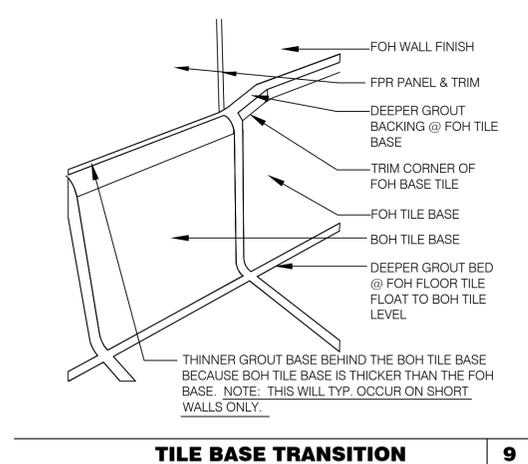
INTERIOR CHASE WALL N.T.S. 14



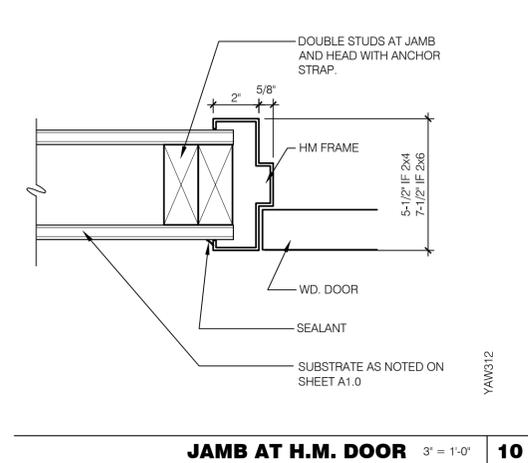
WALL PASS THRU N.T.S. 15



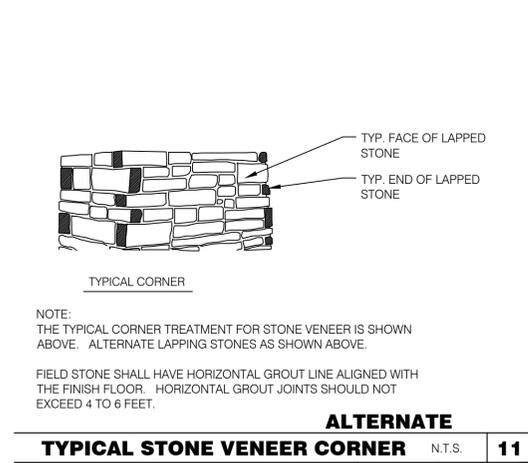
WINDOW JAMB @ DRIVE THRU 3\"/>



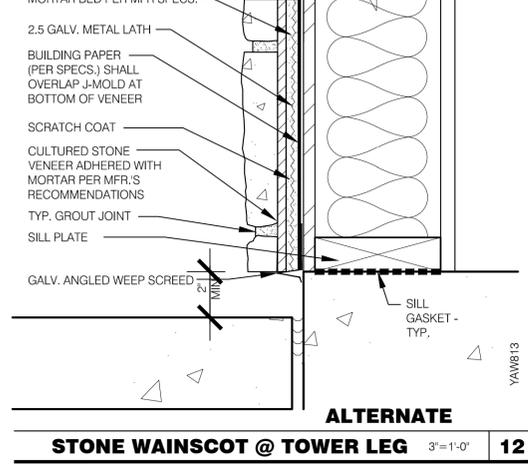
TILE BASE TRANSITION 9



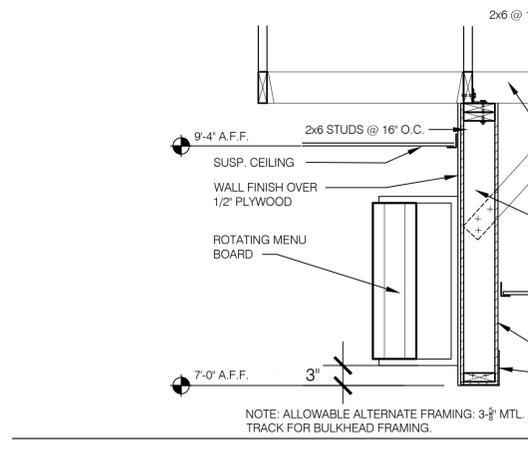
JAMB AT H.M. DOOR 3\"/>



TYPICAL CORNER



STONE WAINSCOT @ TOWER LEG 3\"/>



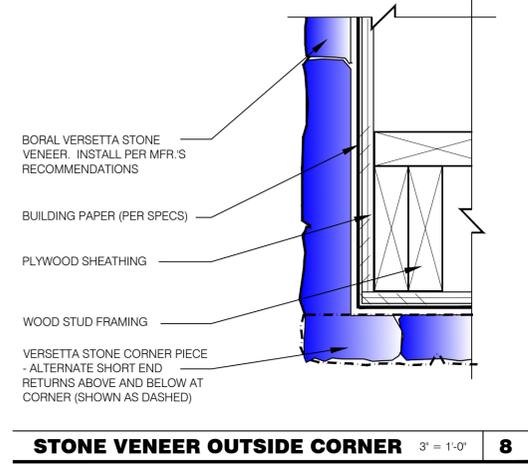
MENU BOARD/SOFFIT SECTION 3/4\"/>



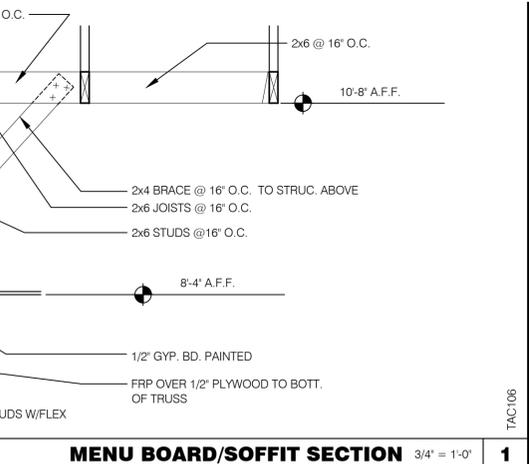
JAMB AT H.M. DOOR 3\"/>



STONE VENEER OUTSIDE CORNER 3\"/>



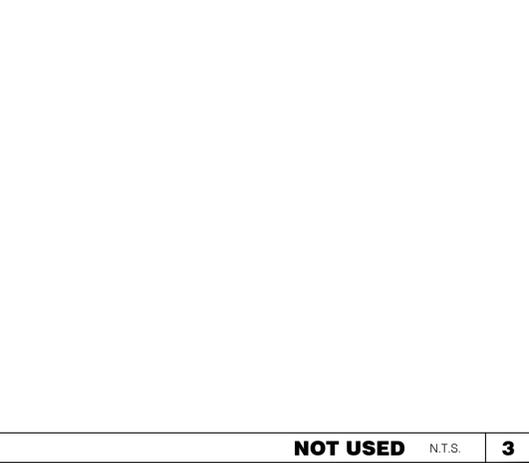
STONE WAINSCOT @ TOWER LEG 3\"/>



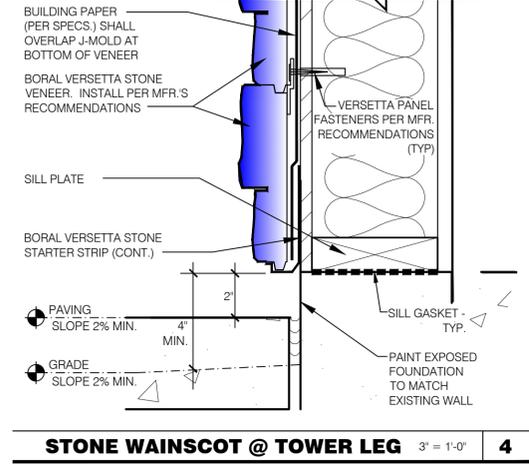
NOT USED N.T.S. 3



NOT USED. 20



WALL PASS THRU N.T.S. 15



WINDOW JAMB @ DRIVE THRU 3\"/>

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



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CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 ~ REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA

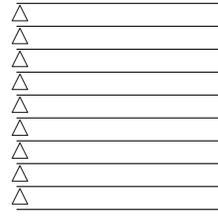
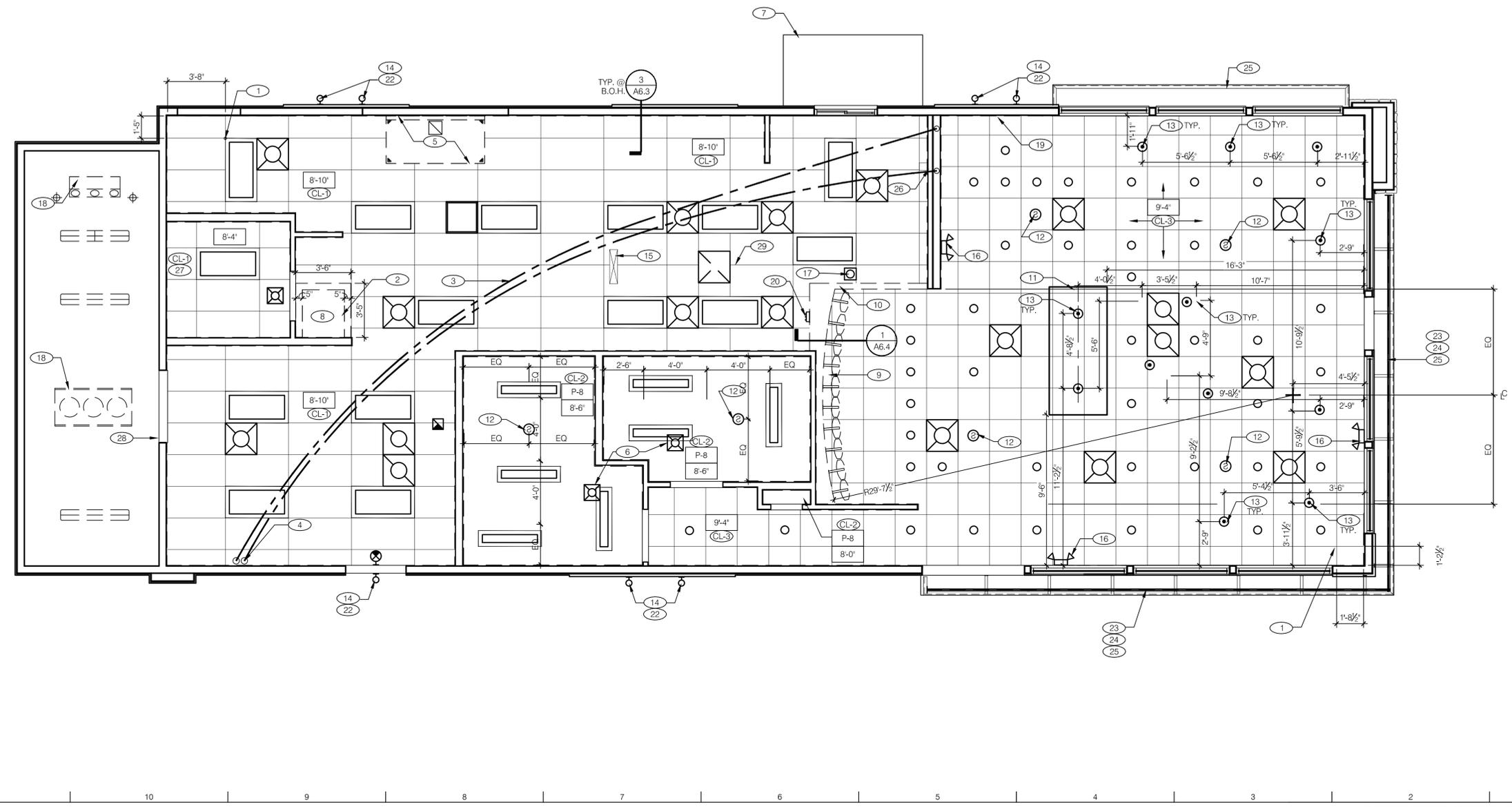


CONSTRUCTION DETAILS WALL

A6.4

PERMIT PLOT DATE:

THE DINING ROOM CEILING GRID LOCATION MUST BE INSTALLED EXACTLY AS SHOWN IN ORDER TO AVOID CONFLICTS BETWEEN THE TRUSSES AND THE DIFFUSERS



CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV O
 SITE NUMBER:
 STORE NUMBER:

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

CEILING SYMBOL LEGEND	
	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

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.

- 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.550) (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 NOT USED
- 22 ALIGN BOTTOM OF LIGHT FIXTURE MOUNTING PLATE WITH EIFS REVEL / 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 ALUMINUM VALANCE. SEE SCOPE OF WORK.
- 26 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 19/A6.4.
- 27 AS-BUILT PLANS ROLLED UP STORED ABOVE CEILING TILES.
- 28 30"X30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FIN. WITH DRYWALL.
- 29 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN

- 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 NOT USED
- 22 ALIGN BOTTOM OF LIGHT FIXTURE MOUNTING PLATE WITH EIFS REVEL / 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 ALUMINUM VALANCE. SEE SCOPE OF WORK.
- 26 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 19/A6.4.
- 27 AS-BUILT PLANS ROLLED UP STORED ABOVE CEILING TILES.
- 28 30"X30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FIN. WITH DRYWALL.
- 29 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN

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

CEILING SYMBOL LEGEND E

REFLECTED CEILING PLAN NOTES D

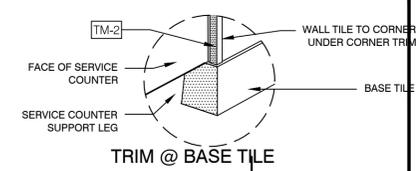
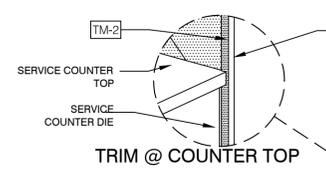
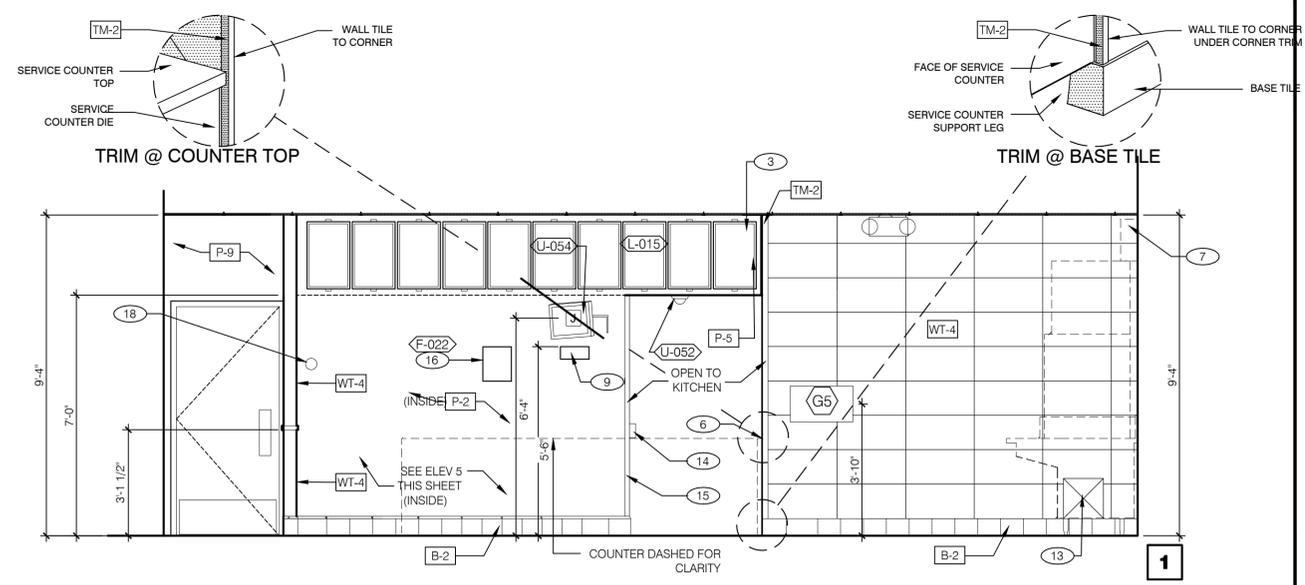
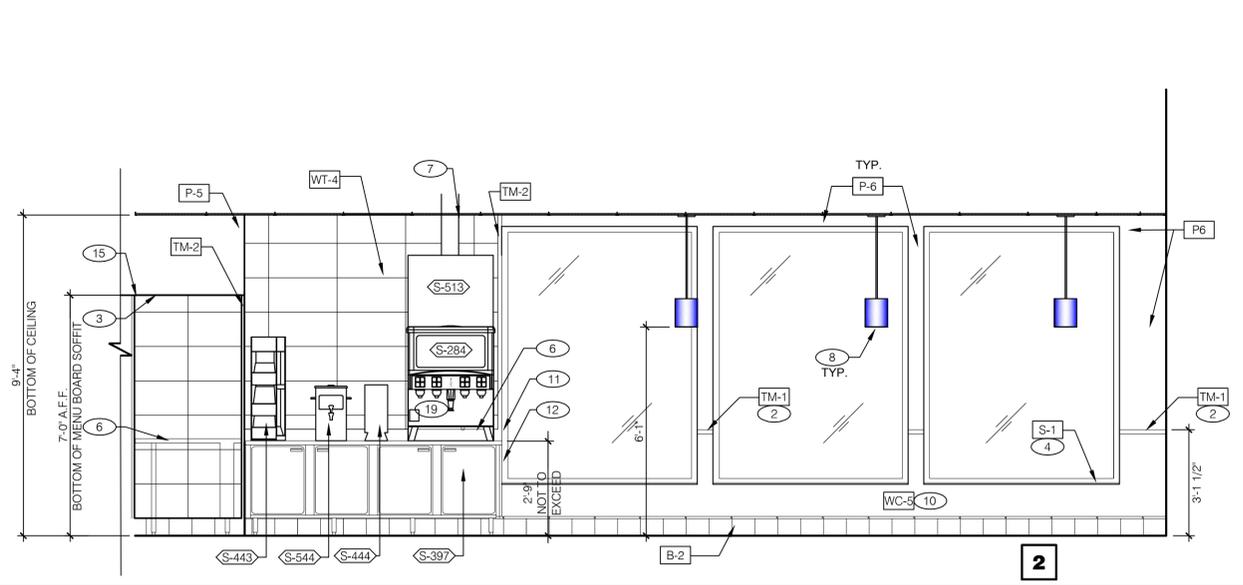
KEY NOTES B

TACO BELL
 US Route 220
 Township of Bedford, PA

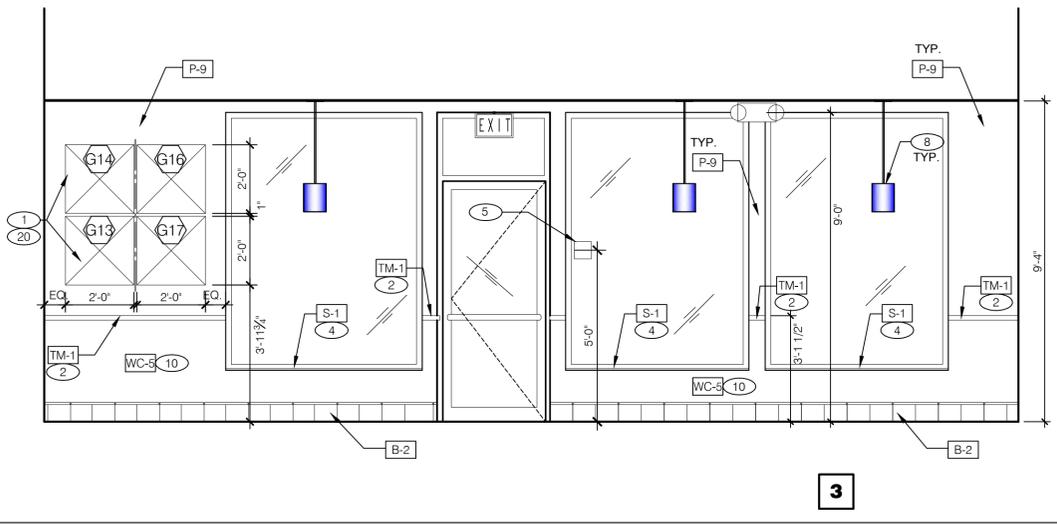
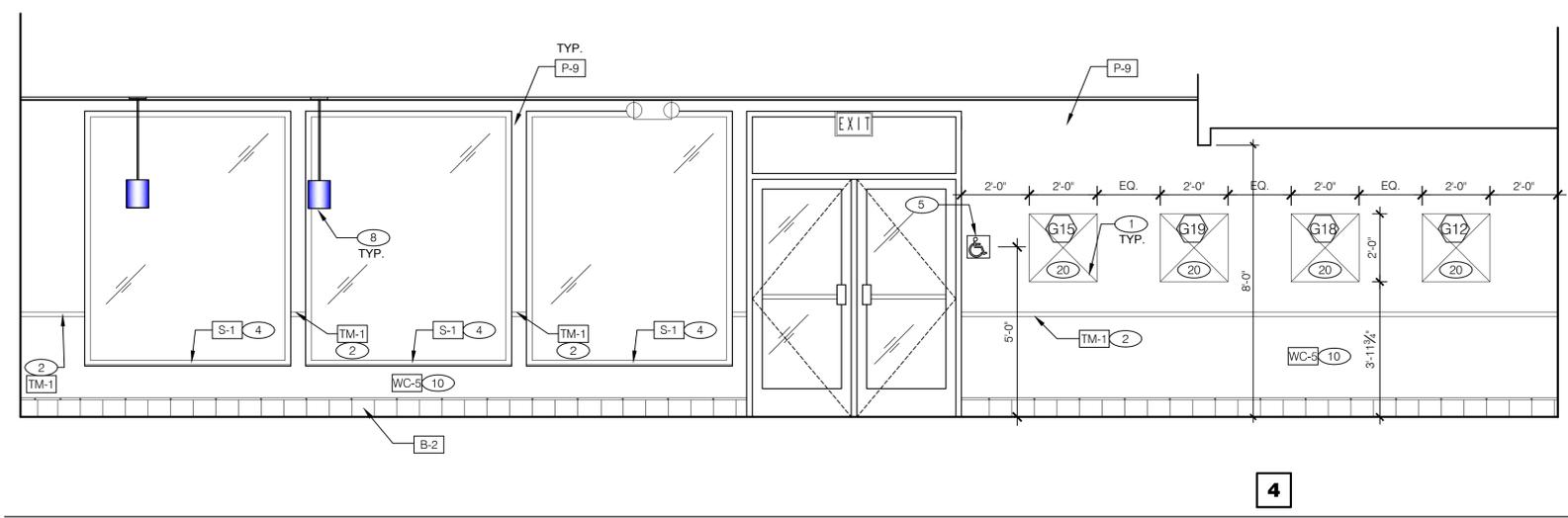


REFLECTED CEILING PLAN
 A7.1

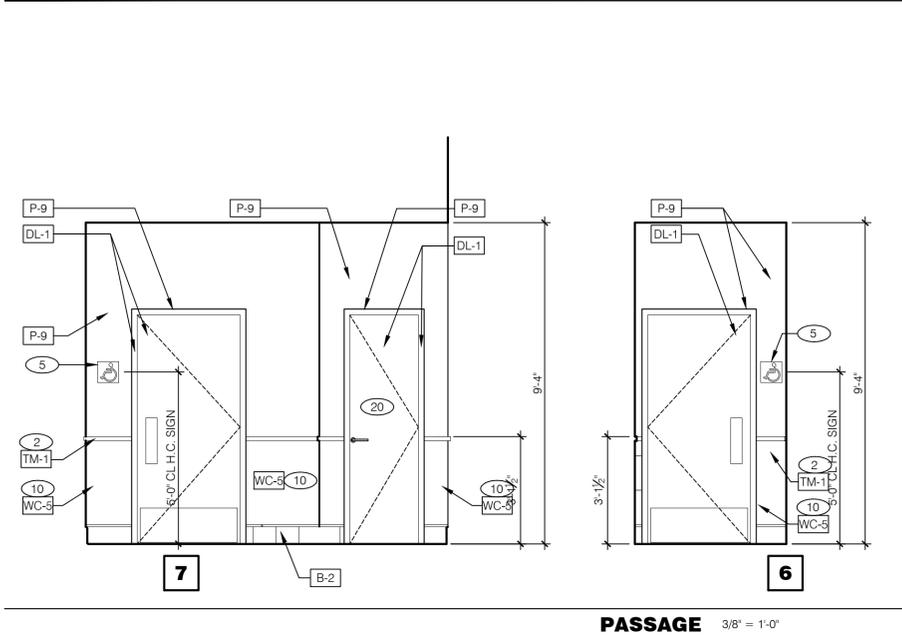
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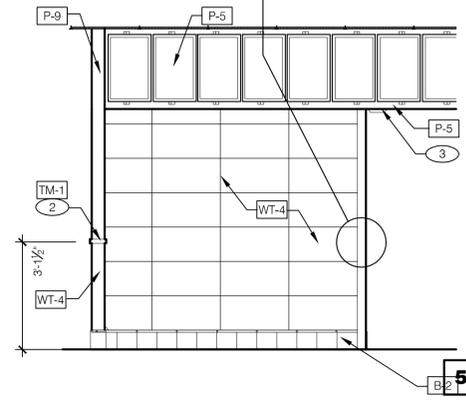
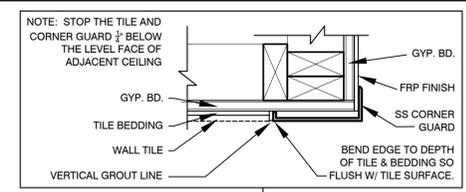
DINING 3/8"=1'-0"



DINING 3/8"=1'-0"



PASSAGE 3/8"=1'-0"



5

A. ENSURE THAT ALL SERVING COUNTERS, BEVERAGE COUNTERS AND CONDIMENT COUNTERS DO NOT EXCEED 34" MAXIMUM HEIGHT A.F.F.

B. ENSURE THAT THE INSTALLATION / PLACEMENT OF ALL CONDIMENTS, LIDS, UTENSILS, ETC., ARE IN COMPLIANCE WITH THE REACH-RANGES PROVIDED ON SHEET ADA1.0.

GENERAL NOTES B

- 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 NOT USED.
- 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.

KEY NOTES A



CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 -- REV O
 SITE NUMBER:
 STORE NUMBER:

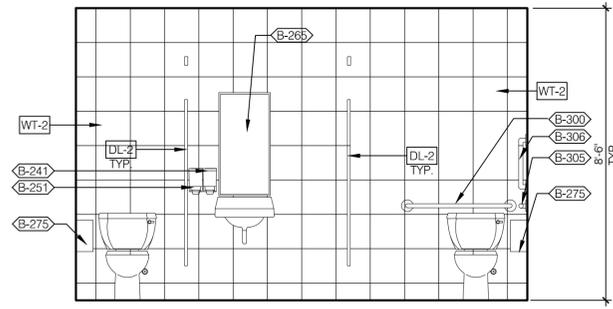
TACO BELL
 US Route 220
 Township of Bedford, PA



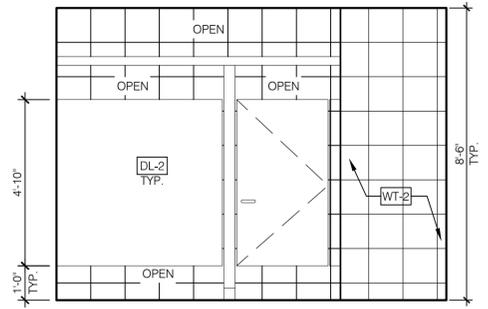
INTERIOR ELEVATIONS DINING ROOM

A8.0

PERMIT PLOT DATE:



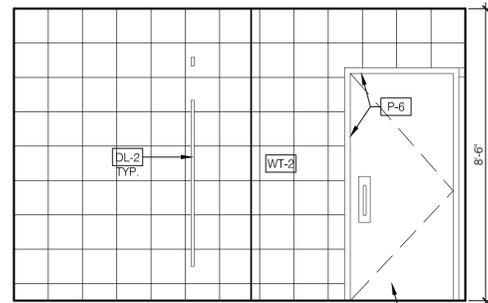
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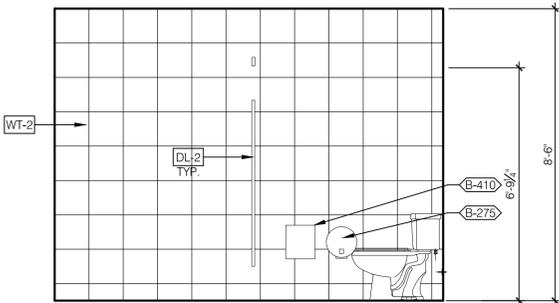
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***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

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



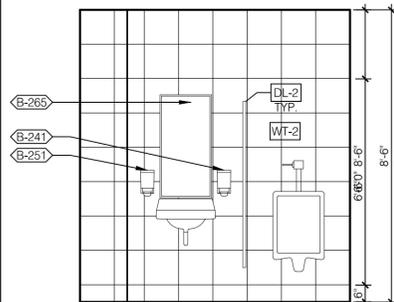
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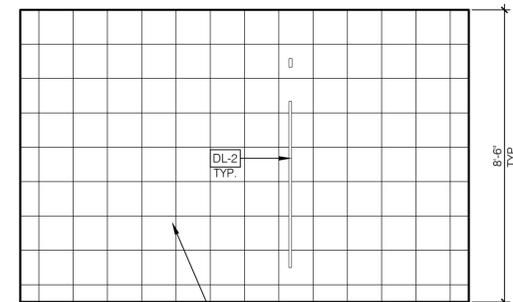
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***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

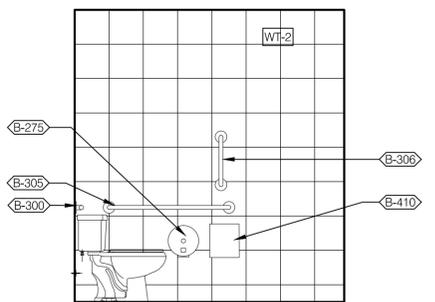
WOMEN'S RESTROOM 3/8" = 1'-0"



7



6

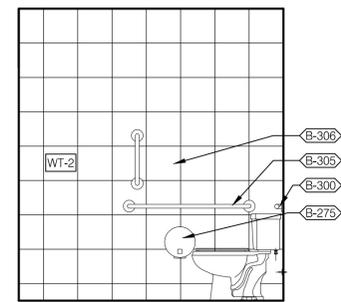


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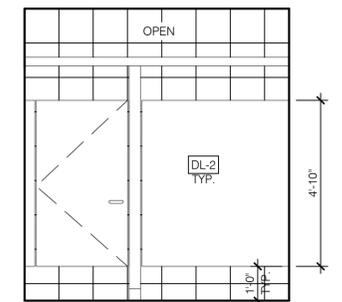
***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

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

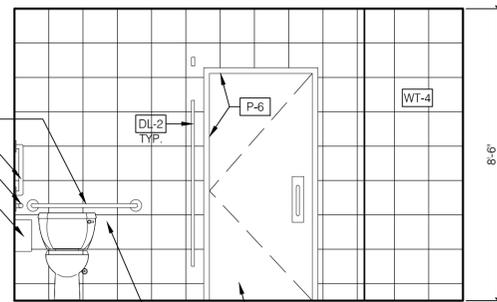
WOMEN'S RESTROOM 3/8" = 1'-0"



10



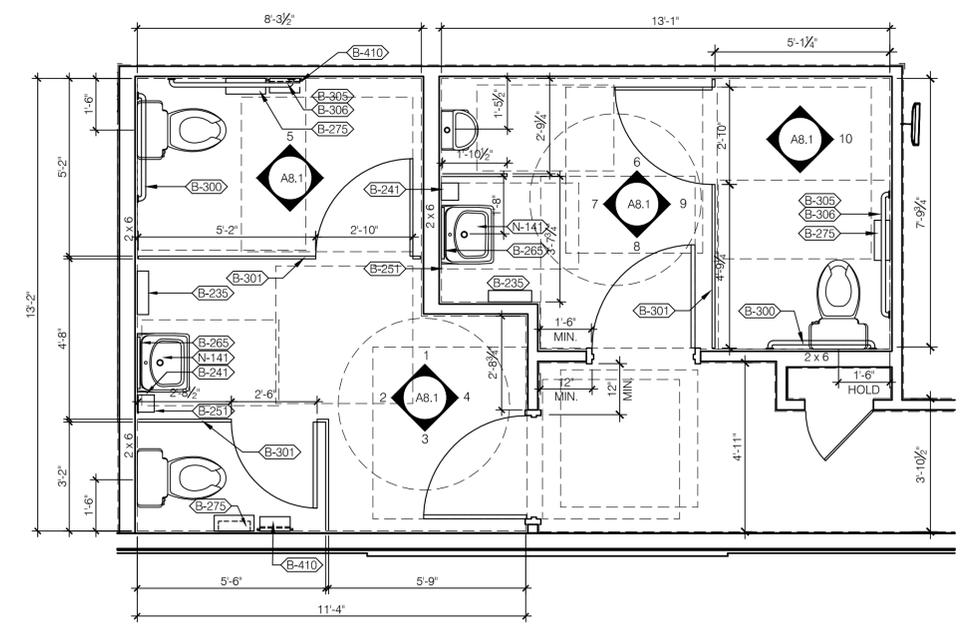
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8

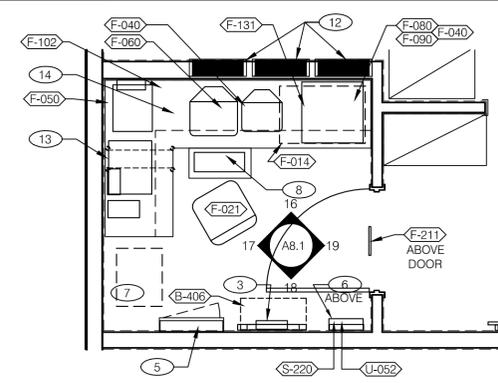
***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

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



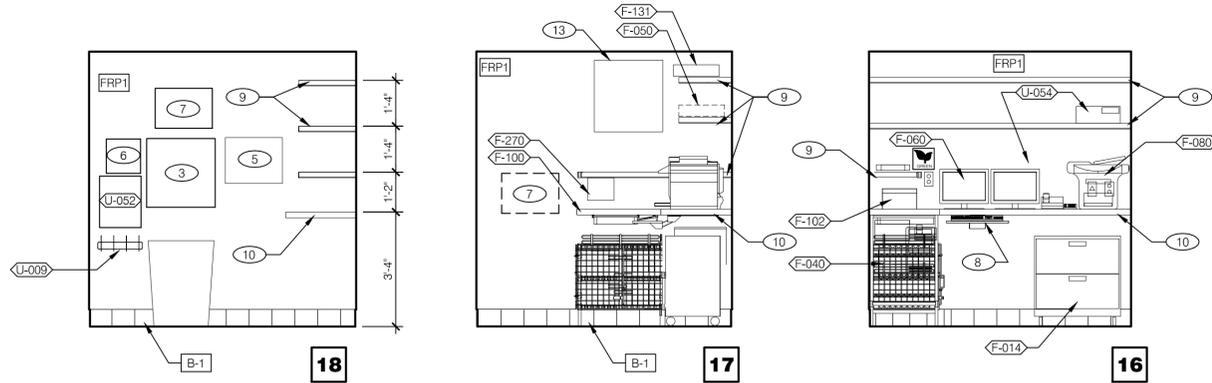
RESTROOM FLOOR PLAN and GENERAL NOTES 3/8" = 1'-0" **A**

- A. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.
- B. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
- C. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
- D. PROVIDE 1/4" MAX GAP AT ALL TOILET PARTITION PANEL JOINTS.
- E. ADD VERTICAL GRAB BAR WHERE REQUIRED.



- 1 THERMOSTAT CONTROLS.
- 2 LIGHTING CONTROL SWITCHES. SEE DETAIL E3.1.
- 3 TELEPHONE TERMINAL BOARD.
- 4 NOT USED.
- 5 LIGHTING CONTROL PANEL.
- 6 12" X 12" PHONE DISTRIBUTION BOX: OWNER PROVIDED & INSTALLED.
- 7 WIRING CABINET (PATCH PANEL) BY POS PROVIDER.
- 8 UNDER COUNTER KEYBOARD TRAY.
- 9 SHELF BY G.C. - FINISH WITH PLASTIC LAMINATE DL-3.
- 10 COUNTER BY G.C. - FINISH WITH PLASTIC LAMINATE DL-3.
- 11 SMOKE DETECTOR WITH RESET SWITCH.
- 12 ELECTRICAL PANELS.
- 13 TECH-IN-A-BOX: REFER TO E3.1. G.C. TO PROVIDE BLOCKING WHERE REQUIRED.
- 14 DESK LAMP

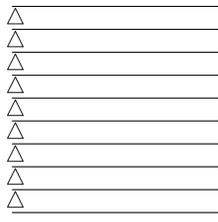
OFFICE FLOOR PLAN and KEYNOTES 3/8" = 1'-0" **B**



NOTE:
REFER TO OFFICE FLOOR PLAN KEYNOTES.

OFFICE ELEVATIONS 3/8" = 1'-0" **C**

Kathleen Day, Architect
9535 Ferry Road
Waynesville, OH 45068
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kathleendayarchitect@gmail.com



CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

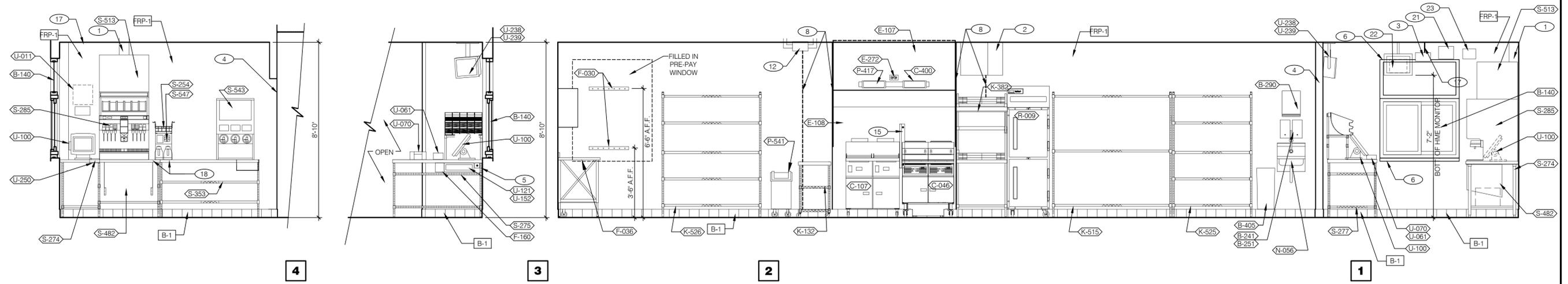
TACO BELL
US Route 220
Township of Bedford, PA



**INTERIOR ELEV.
ENLARGED
RESTROOMS &
OFFICE PLAN**

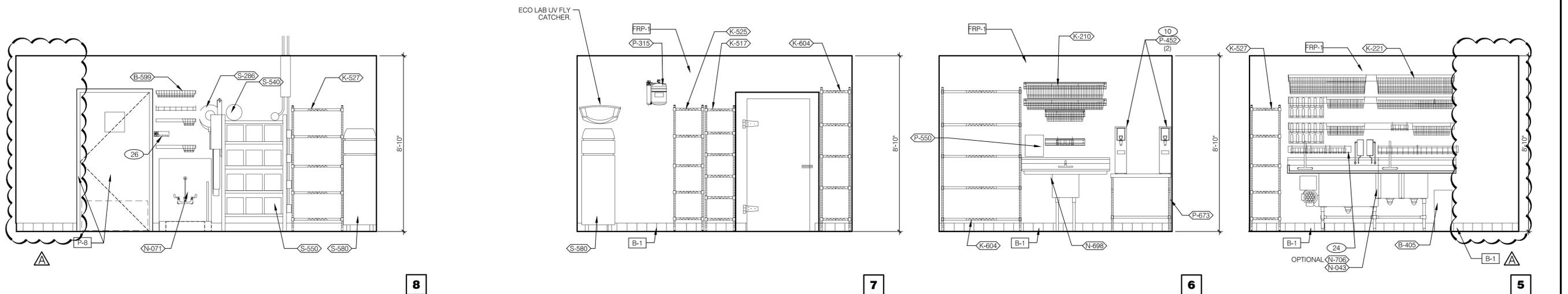
A8.1

PERMIT PLOT DATE:



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

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

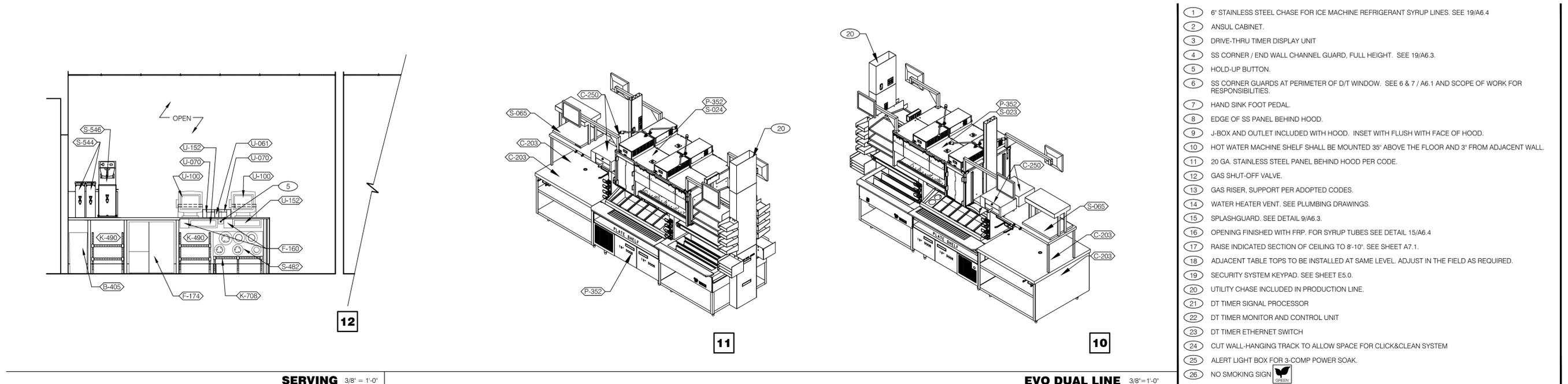


UTILITY 3/8" = 1'-0"

UTILITY 3/8" = 1'-0"

PREP 3/8" = 1'-0"

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



SERVING 3/8" = 1'-0"

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

- 1 6" STAINLESS STEEL CHASE FOR ICE MACHINE REFRIGERANT SYRUP LINES. SEE 19/A6.4
- 2 ANSUL CABINET.
- 3 DRIVE-THRU TIMER DISPLAY UNIT
- 4 SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
- 5 HOLD-UP BUTTON.
- 6 SS CORNER GUARDS AT PERIMETER OF D/T WINDOW. SEE 6 & 7 / A6.1 AND SCOPE OF WORK FOR RESPONSIBILITIES.
- 7 HAND SINK FOOT PEDAL.
- 8 EDGE OF SS PANEL BEHIND HOOD.
- 9 J-BOX AND OUTLET INCLUDED WITH HOOD. INSET WITH FLUSH WITH FACE OF HOOD.
- 10 HOT WATER MACHINE SHELF SHALL BE MOUNTED 35" ABOVE THE FLOOR AND 3' FROM ADJACENT WALL.
- 11 20 GA. STAINLESS STEEL PANEL BEHIND HOOD PER CODE.
- 12 GAS SHUT-OFF VALVE.
- 13 GAS RISER, SUPPORT PER ADOPTED CODES.
- 14 WATER HEATER VENT. SEE PLUMBING DRAWINGS.
- 15 SPLASHGUARD. SEE DETAIL 9/A6.3.
- 16 OPENING FINISHED WITH FRP. FOR SYRUP TUBES SEE DETAIL 15/A6.4
- 17 RAISE INDICATED SECTION OF CEILING TO 8'-10". SEE SHEET A7.1.
- 18 ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.
- 19 SECURITY SYSTEM KEYPAD. SEE SHEET E5.0.
- 20 UTILITY CHASE INCLUDED IN PRODUCTION LINE.
- 21 DT TIMER SIGNAL PROCESSOR
- 22 DT TIMER MONITOR AND CONTROL UNIT
- 23 DT TIMER ETHERNET SWITCH
- 24 CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK&CLEAN SYSTEM
- 25 ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- 26 NO SMOKING SIGN



OWNER COMMENTS - 12.07.15

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV O
 SITE NUMBER:
 STORE NUMBER:

TACO BELL

US Route 220
 Township of Bedford, PA



LIVE MAS

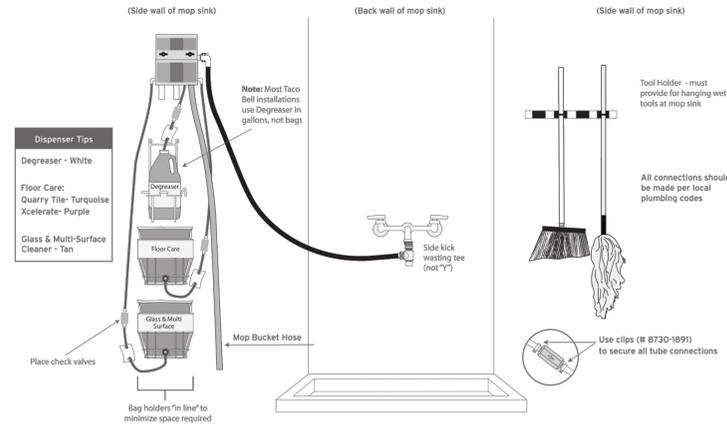
LARGE50

**INTERIOR
 ELEVATIONS
 KITCHEN**

A8.2

PERMIT PLOT DATE:

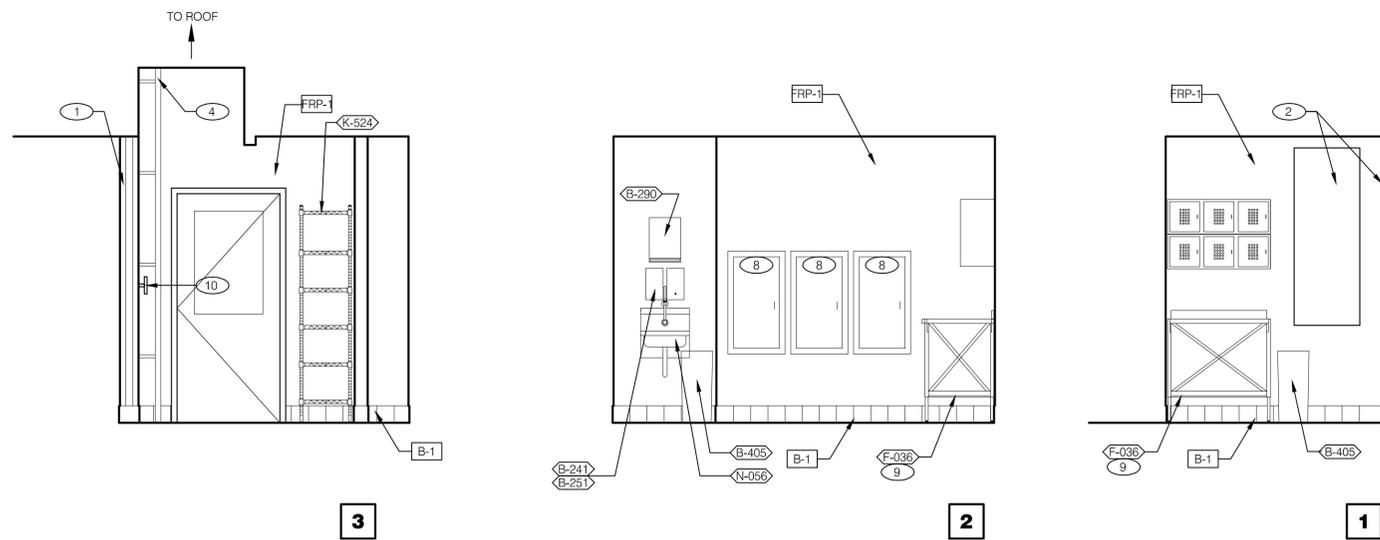
Taco Bell Mop Sink Installation



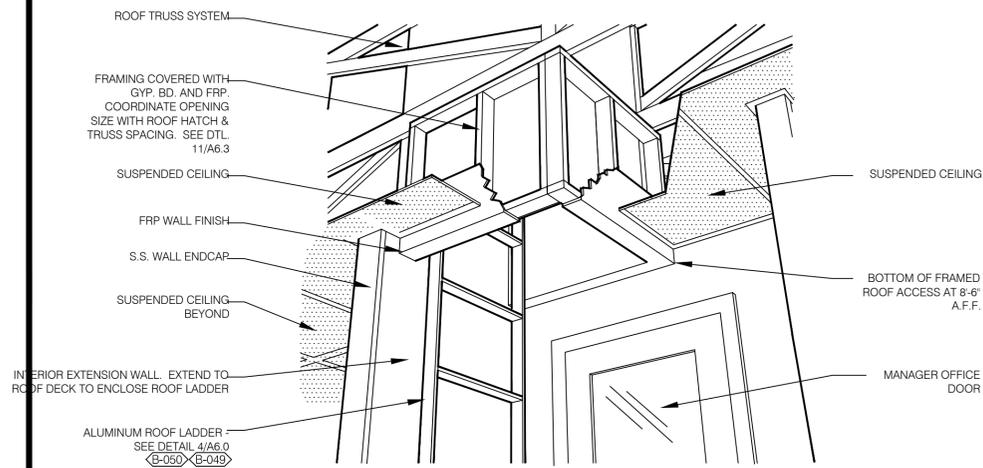
INSTALL IN ACCORDANCE WITH STATE AND LOCAL PLUMBING CODES.
 In states or municipalities requiring dedicated or hard plumbed water lines, the dispensing unit at the 3-compartment sink must be connected to a "TEMPERED" water source. This may require the installation of a mixing/tempering valve.

ECOLAB Key Chemical Company
 8300 Capital Drive
 Greensboro, NC 27409-9790, USA 800.529.5458
 ©2012 Key Chemical Company. All Rights Reserved.

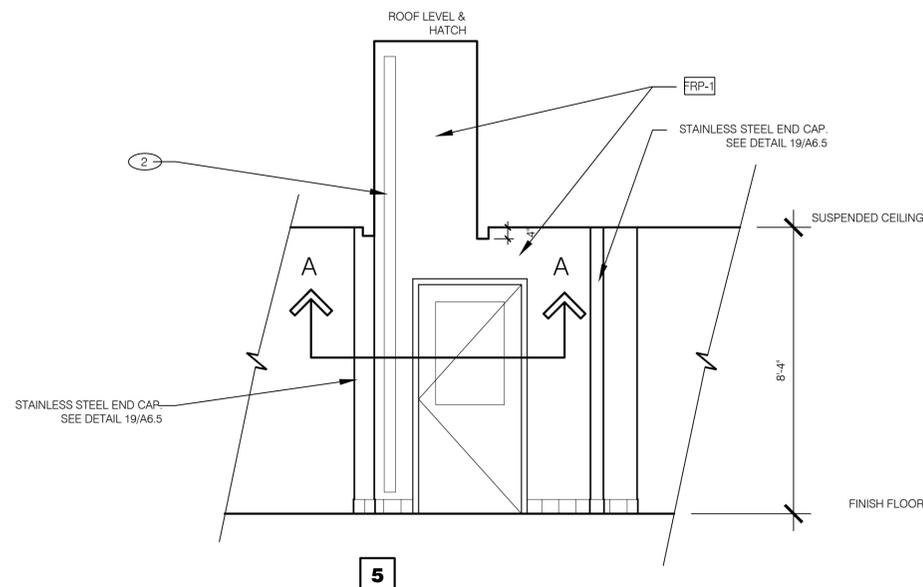
MOP SINK INSTALLATION N.T.S. **C**



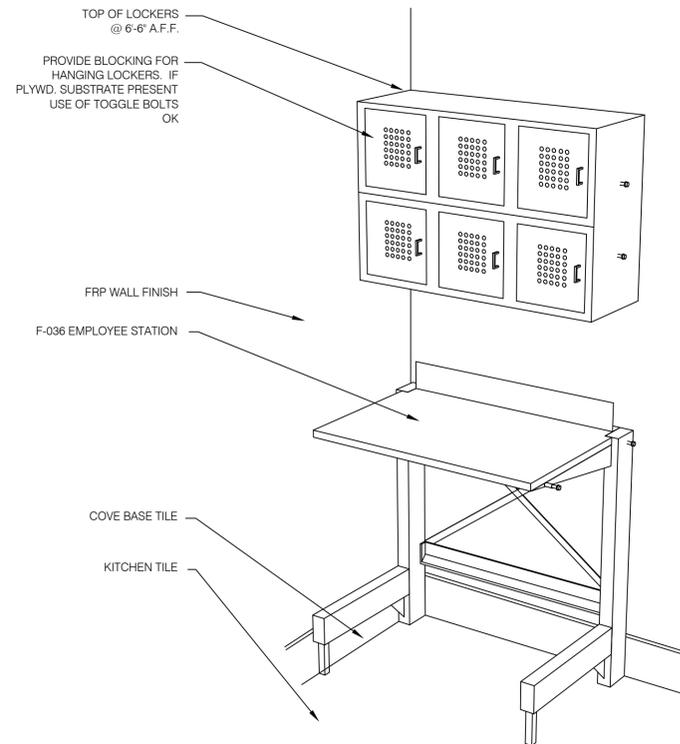
PRE-PAY 3/8"=1'-0"



A - ROOF LADDER VIEW



ROOF ACCESS PASSAGeway N.T.S. **D**



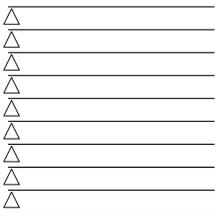
WORKSTATION N.T.S. **B**

NOT USED

- 1 SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
- 2 FRP OVER WINDOW INFILL
- 3 NOT USED.
- 4 ROOF LADDER.
- 5 NOT USED.
- 6 WALL SHOWN PARALLEL TO VIEW FOR CLARITY.
- 7 NOT USED.
- 8 ELECTRICAL PANEL. REFER TO ELECTRICAL SHEETS.
- 9 EMPLOYEE WORK STATION. REFER TO DETAIL B THIS SHEET.
- 10 ANSUL PULL STATION.

KEY NOTES **A**

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



CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



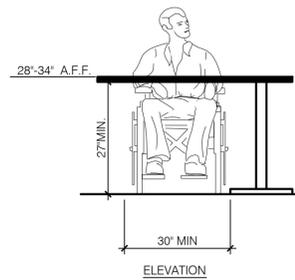
INTERIOR ELEVATIONS KITCHEN

A8.3

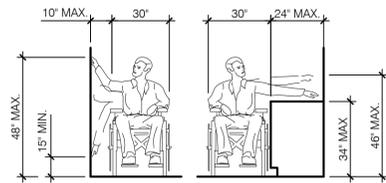
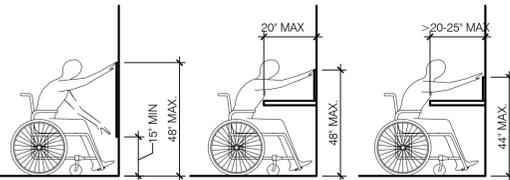
PERMIT PLOT DATE:

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

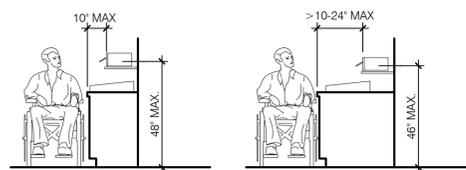
NUMBER OF ACCESSIBLE SEATS



SEATING AND TABLES N.T.S. 18



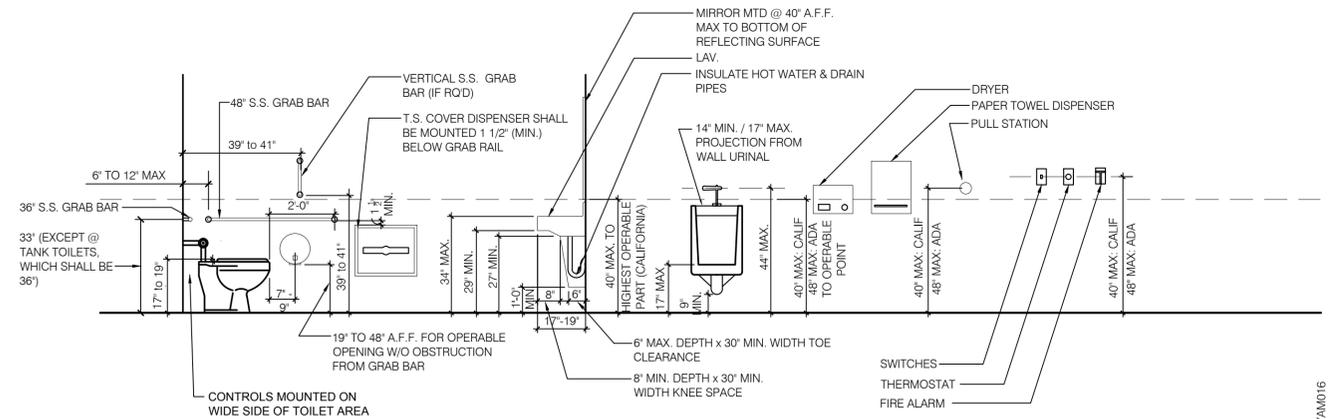
EXAMPLE: DRINK MACHINE, ETC.



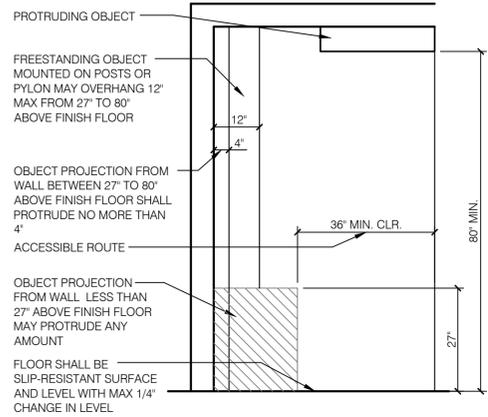
CONDIMENTS

REACH RANGES N.T.S. 14

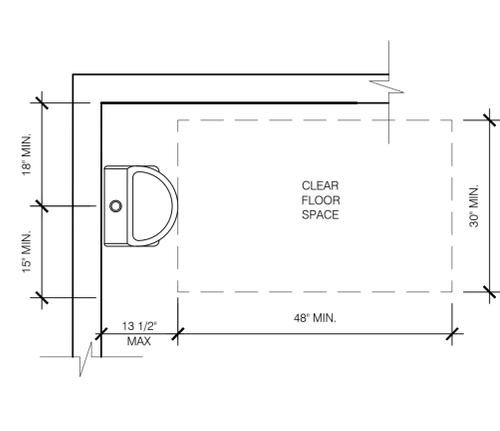
- NOTES:
- TOP OF GRIPPING SURFACE 33" TO 36" MAX TO THE TOP OF THE BAR. SEE NOTES BELOW
 - 12" MINIMUM CLEAR ABOVE GRAB BAR



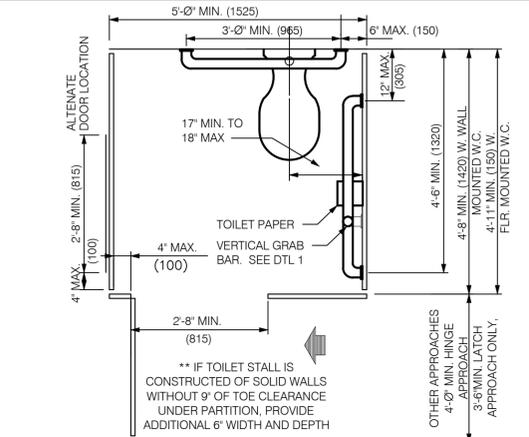
MOUNTING HTS. & CLEARANCES FOR ACCESSIBILITY BY THE DISABLED N.T.S. 1



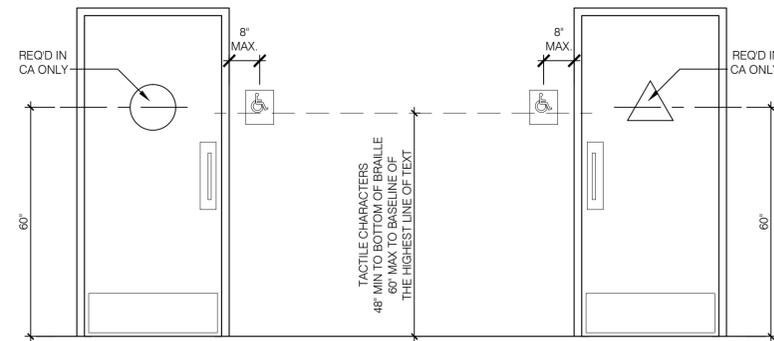
INT. ACCESS. ROUTE CLEARANCES 1/2" = 1'-0" 10



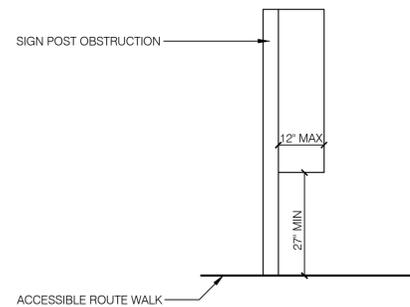
ACCESSIBLE URINAL 3/4" = 1'-0" 6



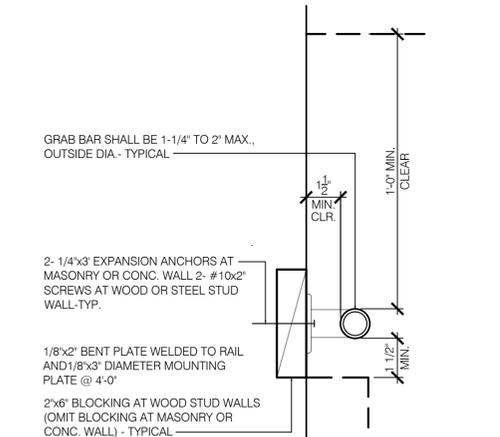
STANDARD TOILET STALL N.T.S. 2



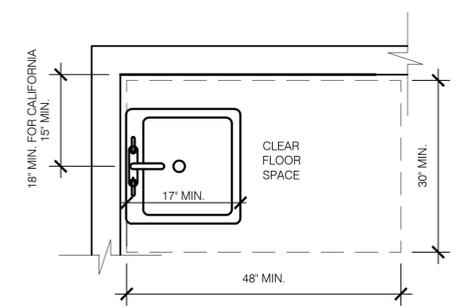
ACCESSIBLE RESTROOM DOORS N.T.S. 15



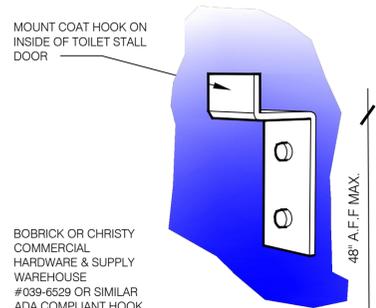
PROTRUDING HAZARDS 1/2" = 1'-0" 11



GRAB BAR 3' = 1'-0" 7



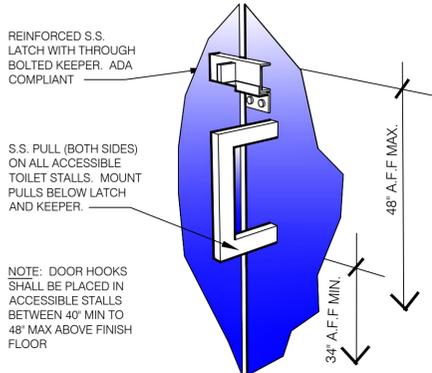
ACCESSIBLE LAVATORY 3/4" = 1'-0" 3



BOBRICK OR CHRISTY COMMERCIAL HARDWARE & SUPPLY WAREHOUSE #039-6529 OR SIMILAR ADA COMPLIANT HOOK. CHRISTYHARDWARE.COM 877-544-5400

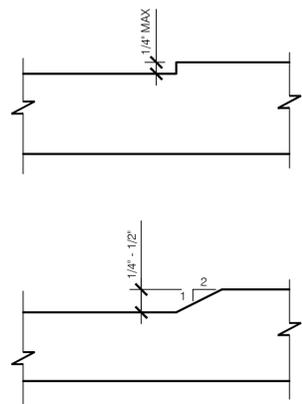
NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

COAT HOOK N.T.S. 20

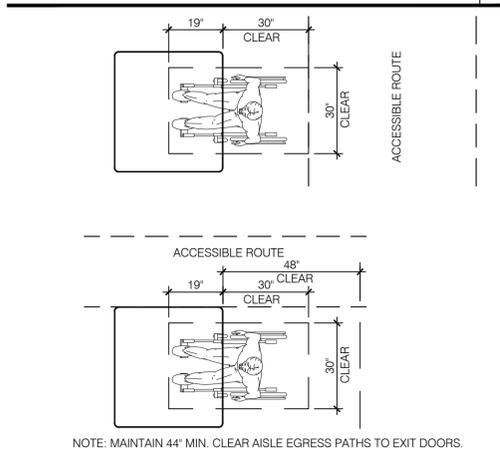


NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

PARTITION DOOR LATCH @ PULL 16



CHANGES IN LEVEL N.T.S. 12



NOTE: MAINTAIN 44" MIN. CLEAR AISLE EGRESS PATHS TO EXIT DOORS.

DINING ROOM SEATING CLEARANCES N.T.S. 8

- 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.
- 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"
- RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"x48" IS PROVIDED BEYOND THE DOOR SWING.
- TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES

GENERAL NOTES 4

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CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL

US Route 220
Township of Bedford, PA



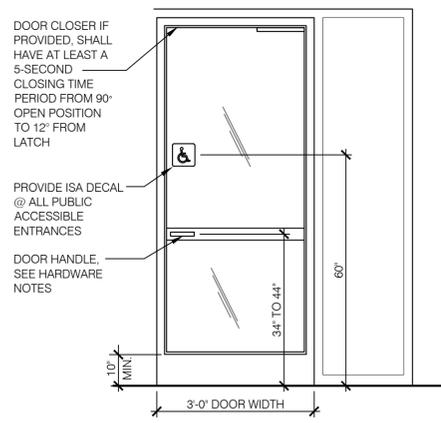
LIVE MAS

LARGE50

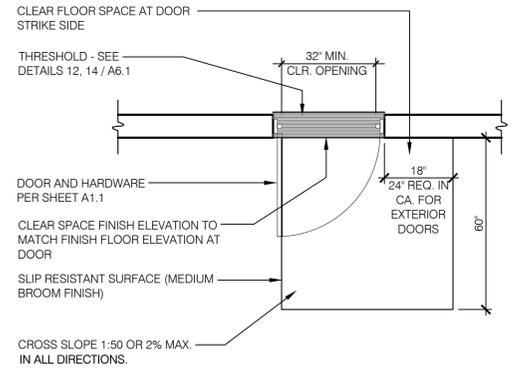
ACCESSIBILITY
REQUIREMENTS

ADA1.0

PERMIT PLOT DATE:

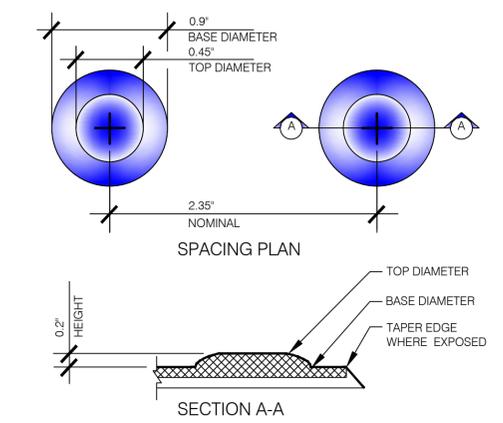


TYP. ENTRANCE / EXIT DOOR N.T.S. **17**

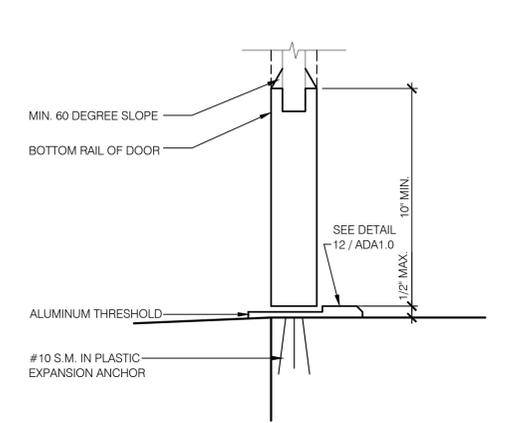


EXTERIOR DOOR REQUIREMENTS 1/2" = 1'-0" **13**

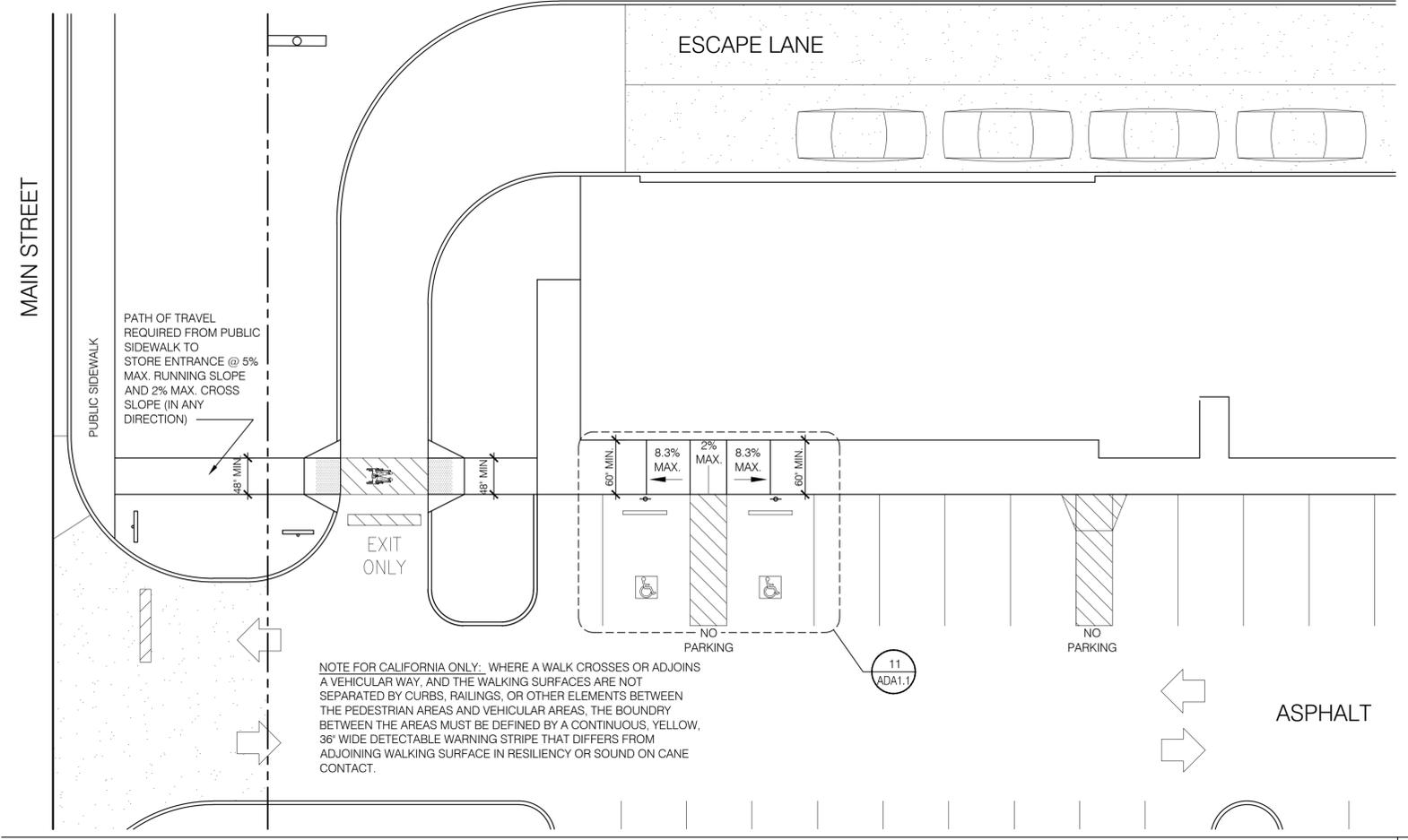
NOTE:
1. INTERIOR DOOR PRESSURE CANNOT EXCEED 5 LBS.
2. 60% OF PUBLIC ENTRANCES MUST BE ACCESSIBLE. (100% IN CA)



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



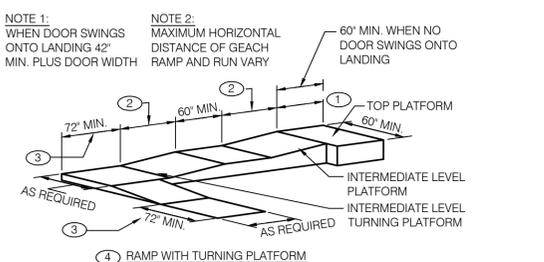
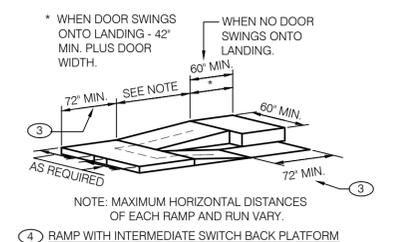
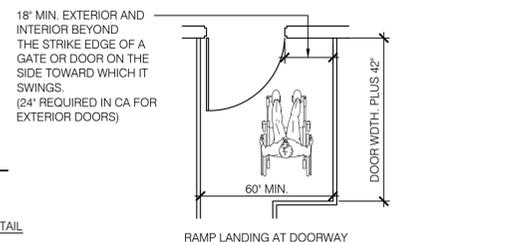
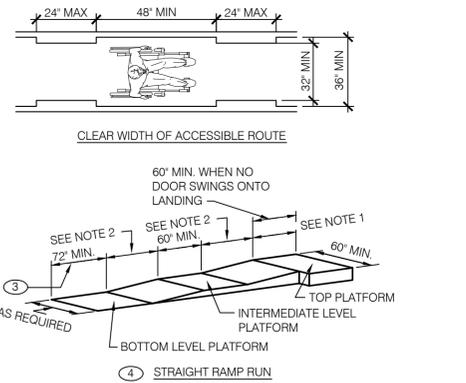
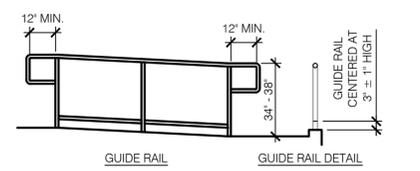
BOTTOM RAIL (EXTERIOR DOOR) 3" = 1'-0" **14**



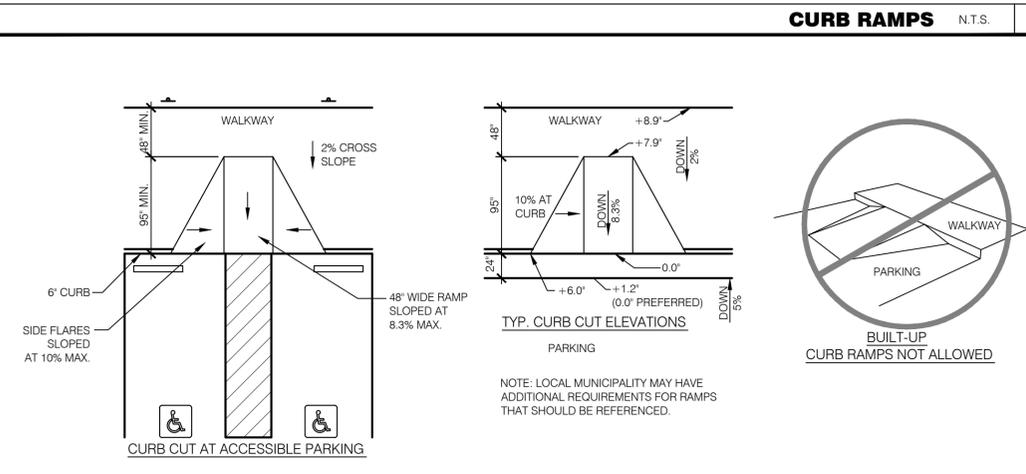
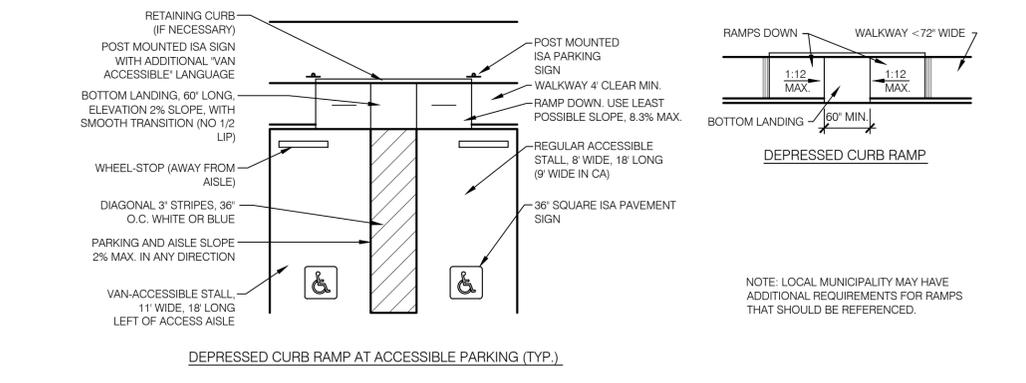
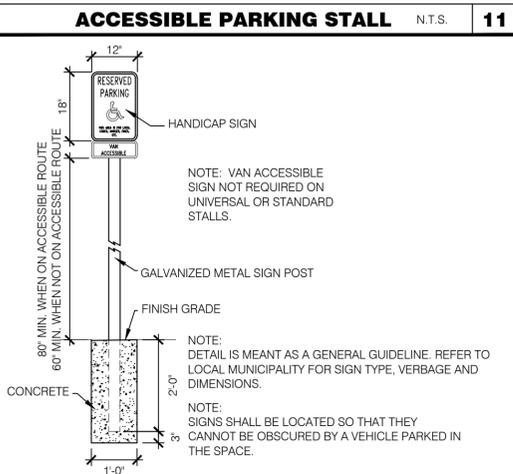
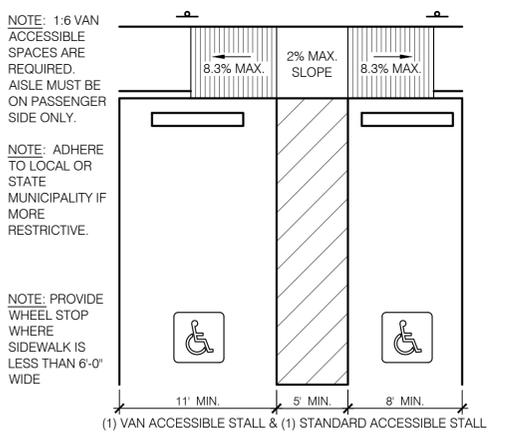
EXTERIOR PATH OF TRAVEL N.T.S. **2**

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 BOUNDARY 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.

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



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



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CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL
US Route 220
Township of Bedford, PA



ACCESSIBILITY REQUIREMENTS

ADA1.1

PERMIT PLOT DATE:

GENERAL:

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

HVAC:

- INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NONRESIDENTIAL BUILDINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- E.C. SHALL PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES, AND FINAL CONNECTIONS. M.C. SHALL PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS.
- 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 LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS.
- FOR INSTALLATION OF RECHARGEABLE REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF, SEE SCOPE OF WORK.
- HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
- ALL SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED.
- ALL SUPPLY / RETURN DUCTS SHALL BE RIGID, WITH THE EXCEPTION OF THE LAST 14'-0", WHICH MAY BE FLEX.
- 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.
- 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.
- ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT TAKEOFFS FOR AIR BALANCING. PROVIDE ACCESS PANELS TO DAMPERS. SEE 8/M4.0.
- ALL UTILITY PIPING FOR RTUS SHALL RUN UP THROUGH ROOF INSIDE EACH UNITS ROOF CURB.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR VENTS.
- SEE 8/M1.0 AND SCOPE OF WORK FOR DESCRIPTION OF HVAC PACKAGE TO BE PURCHASED THROUGH YUM! BRANDS NATIONAL CONTRACT.
- 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.
- HONEYWELL THERMOSTAT & TEMP SENSOR, PROVIDED WITH TRANE PACKAGE. USE T-CONT 802 WITH RTUS W/O DE-HUMIDIFICATION. 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, PROVIDED WITH YORK PACKAGE.
- TRANE DUCT MOUNTED HUMIDITY SENSOR MODEL #BAYSENS037A, PROVIDED WITH TRANE PACKAGE. YORK HUMIDISTAT MODEL #2DH04700024, PROVIDED WITH YORK PACKAGE.



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
	FLEXIBLE CONNECTION
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	DUCT LINING (1" THICK UNLESS OTHERWISE NOTED)
	SINGLE LINE DUCT BRANCH TAKEOFF
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	FLEXIBLE DUCT (14'-0 MAXIMUM)
	T-STAT PROGRAMMABLE THERMOSTAT, PROVIDED WITH TRANE PACKAGE.
	THERMOSTAT SENSOR (REMOTE), PROVIDED WITH TRANE PACKAGE.
	HUMIDITY SENSOR (REMOTE), PROVIDED WITH TRANE PACKAGE.
	D CONDENSATE DRAIN
	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
CONTR	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
OB	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					COOLING CAPACITY			HEATING CAPACITY				UNIT ELECT DATA			MAX UNIT WEIGHT (LBS)	MANUFACTURER AND MODEL NUMBER	REMARKS
		SUPPLY CFM	MIN O.A. CFM	ESP	HP	RPM	NOM TONS	MIN CAP (MBH) TOT/SEN	EER	INPUT STAGE (MBH)	OUTPUT (MBH)	PHASE (STAGES)	AFUE	VOLTS/PH	MCA	MOPD			
RTU-1	DINING	3400	750	1.0"	2	1317	8.5	103/80	12.5	200	160	1	81	208/3	44.7	60	1537	TRANE YHC102F3RLA	SEE NOTES 1,2,3,4,5,7
RTU-2	KITCHEN	5200	1160	1"	3	654	15	175.8/129.7	12.7	250	203	2	81	208/3	73	80	2681	TRANE YZD180FRLA	SEE NOTES 1,2,3,4,6,7

SCHEDULE NOTES:

- LISTED CAPACITY IS THE STANDARD UNIT'S GROSS COOLING CAPACITY AT 80 DEG. F. DB / 67 DEG. F. WB EAT AND 105 DEG. F. AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 86 DEG. F. & 70 DEG. F. WB, WINTER 2.0 DEG. F. (ARI STANDARD CONDITIONS). THERMOSTAT SHALL BE PROGRAMMED FOR 73 DEG. F. IN SUMMER AND 68 DEG. F. IN WINTER WITH 2 DEG ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE AND 60 DEG. F. MINIMUM.
- SPECIFIED RTUS ARE DOWN DISCHARGE PACKAGED GAS / ELECTRIC ROOFTOP UNITS WITH MINIMUM 2-STAGE COOLING. INCLUDES THROUGH THE ROOF CURB POWER, GAS & CONDENSATE DRAIN. GAS PIPING SHALL BE FACTORY PIPED WITH SHUT-OFF OUTSIDE OF UNIT.
- 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.
- THERMOSTAT: TRANE BAYSENS119 PROGRAMMABLE ZONE SENSOR W/ REMOTE SENSOR
- RTU-1 TO HAVE SINGLE ZONE VAV (SZVAV). SZVAV INCLUDES VARIABLE SPEED EVAPORATOR FAN.
- RTU-2 TO HAVE EFLEX OPTION. EFLEX INCLUDES VARIABLE SPEED COMPRESSOR, VARIABLE SPEED EVAPORATOR FAN MOTOR & VARIABLE SPEED CONDENSER FAN MOTOR.
- 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.



HVAC UNIT SCHEDULE 1

XX-XXX MARK	CFM	SP	RPM	HP	ELECT	STARTER	ACCESSORIES					MANUFACTURER AND MODEL NUMBER	REMARKS	REMARKS:	
							DISC	BDD	BIRD SCREEN	V-BELT	D-DR				
EF-1	1050	0.9	1344	0.50	120/1	-	X	-	-	-	X	STRATOVENT #SVDU50HFA	SEE NOTES 1,3,5,6,7,8,10	1. UL 782 LISTED (GREASE) 2. UL705 LISTED (HEAT OR STEAM) 3. FLAT ROOF CURBS, 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	
EF-2	780	.375	1196	1/4	120/1	-	X	X	X		X	STRATOVENT #SVD30HFA	SEE NOTES 2,4,7,8,9,10		

SUPPLY AND EXHAUST FAN SCHEDULE 2

XX-XXX MARK	QUANTITY	NECK SIZE	DIFFUSER FACE OR CEILING GRID SIZE	TYPE	(NO.) & AIR PATTERN	CFM RANGE	MOUNTING		DUTY			MATERIAL		MANUFACTURER	MODEL NUMBER	REMARKS
				DIFFUSER REGISTER GRILL			LAY-IN SURFACE	SUPPLY RETURN EXHAUST	ALUMINUM ABS							
S-1	8	15x15	24x24	X	(6)4W,(1)3W	0-500	X	X		X	X	BUCKEYE PLAS (4)	EGER ADVANTAGE	FRN SQR TO RND ADAPTER (SEE NOTES 3 & 4)		
S-2	4	18x18	24x24	X	(3)4W,(3)3W	500-1000	X	X		X	X	BUCKEYE PLAS (4)	EGER ADVANTAGE	FRN SQR TO RND ADAPTER (SEE NOTES 3 & 4)		
S-3	4	9x9	14x14	X	(3)4W,(1)3W	0-250		X	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		(4) 4W	0-2000	X		X		X	METAL-AIRE / TITUS	RHE-H-1 / 50FF	HINGED / FULLY REMOVABLE FACE		
E-1	4	8x8	12X12		(4)	0-200	X		X		X	METAL-AIRE / TITUS	CC5-FB-TB / 50FF			
E-2	1	10X10	24x24		(1)	0-400	X			X		METAL-AIRE / TITUS	CC5-FB-TB / 50F-NT	PROVIDE 2x2' LAY-IN PANEL		

- NOTES: 1. DIFFUSERS IN SURFACE MOUNTED CEILINGS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
2. FURNISH DIFFUSERS WITH INSULATED TOPS.
3. SUPPLY AND RETURN DIFFUSERS LOCATED IN DINING ROOM SUSPENDED CEILING SHALL BE FACTORY FINISH BLACK.
4. BUCKEYE PLASTIC AIR DIFFUSERS, 3938 APRIL DRIVE, UNIONTOWN, OHIO 44685 330-418-9348. 14" DIA. NECK (METAL-AIRE / TITUS DIFFUSERS CAN BE USED AS AN OPTION)

AIR DEVICE SCHEDULE 3

ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	1050	-1050
EF-2	--	--	--	780	-780
RTU-1	750	2650	3400	--	+750
RTU-2	1160	4040	5200	--	+1160
TOTAL	1910	6690	8600	1830	+80

NOTE: THE OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 22.0% FOR RTU-1 AND 22.0% FOR RTU-2.

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) 966-4822 FAX: (502) 499-7370 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 409-419-6416.

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). RTUS 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

AIR BALANCE SCHEDULE CFM 4

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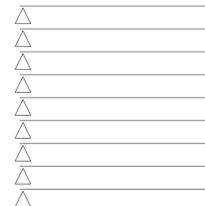
ENGINEER:

BRIAN EDWARD CHANDLER, PE

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PHONE: 972.870.1288
E-MAIL: bchandler@tdstudio4.com



12.10.15



CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS -Large 50
PLAN VERSION: 06.08.15 -- REV O
SITE NUMBER:
STORE NUMBER:

TACO BELL
US Route 220
Township of Bedford, PA



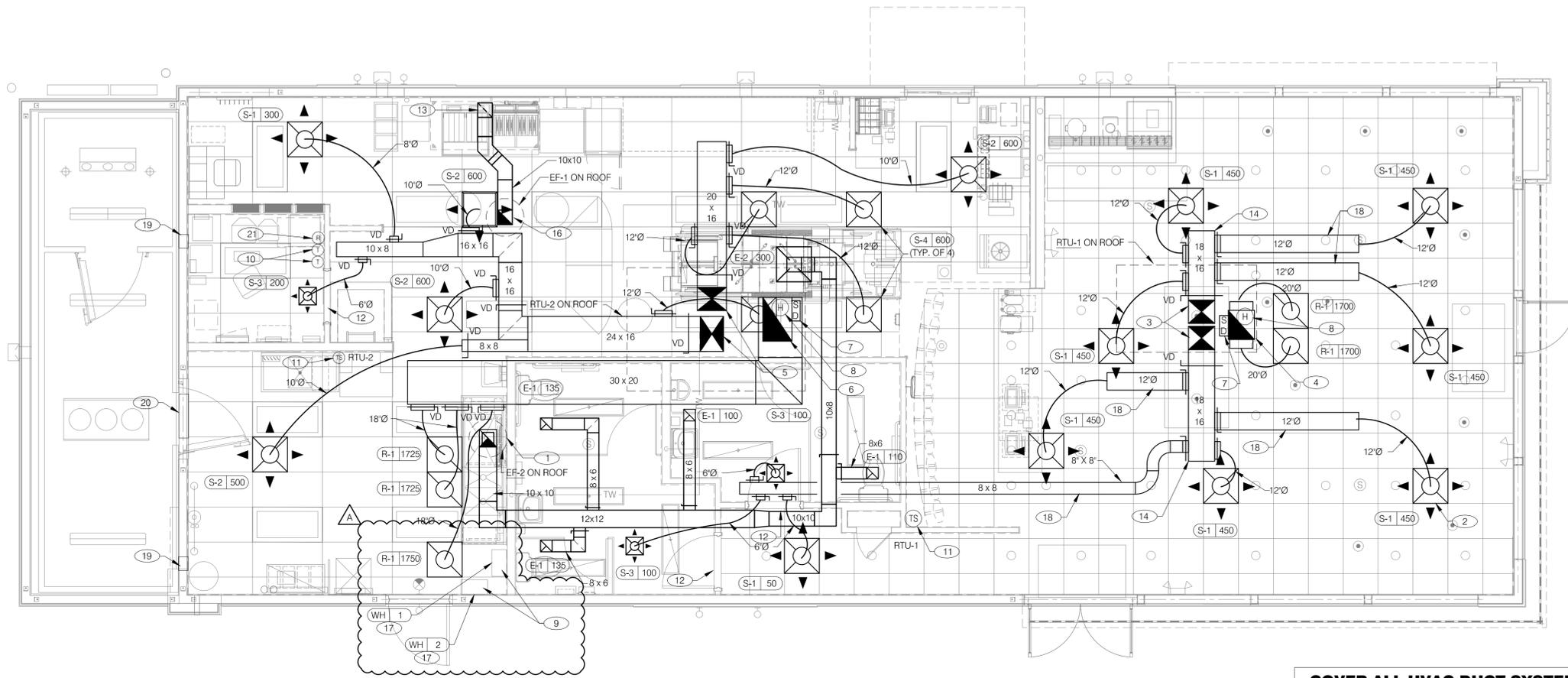
MECHANICAL SCHEDULES AND NOTES

M1.0

PERMIT PLOT DATE:



12.10.15



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.

OWNERS COMMENTS	12.07.15

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA

LIVE MAS
 LARGE50
DUCT AND DIFFUSER PLAN
M2.0

PERMIT PLOT DATE:

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

GENERAL NOTES

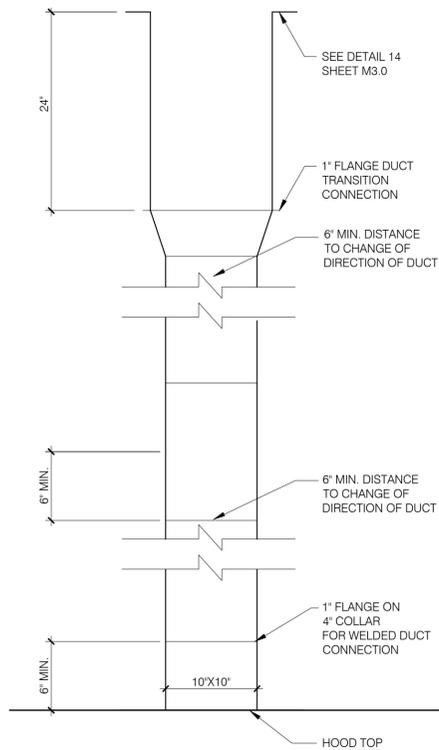
- DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.
- THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE, REMOTE TEMPERATURE SENSOR, AND REMOTE HUMIDITY SENSOR. (PROVIDED WITH TRANE PACKAGE).
- HUMIDITY SENSOR APPLICATION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

- 12X12 EXHAUST AIR DUCT UP THROUGH ROOF TO EF-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.
- (2) 18x16 SUPPLY AIR DUCTS UP. CONNECT TO 34x18 SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1.
- 20x18 RETURN AIR DUCT UP. CONNECT TO 34x18 RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1.
- (1) 20x16 AND (1) 24x16 SUPPLY AIR DUCTS UP. CONNECT TO 52x26 SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-2.
- 30x20 RETURN AIR DUCT UP. CONNECT TO 60x18 RETURN AIR PLENUM AT ROOFTOP UNIT RTU-2.
- 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.
- HUMIDITY SENSOR (REMOTE). HUMIDITY SENSOR LOCATION SHALL BE PLACED IN RETURN AIR DUCTWORK. VERIFY EXACT LOCATION. SEE 9/M4.0.
- FURNISH AND INSTALL 3" PVC WATER HEATER FLUE VENT TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES. MAINTAIN MIN. 10'-0" FROM NEAREST RTU INTAKE. REFER TO DETAILS 2 / P6.0, 13 / A6.0.
- LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORDINATE LOCATION WITH LIGHT SWITCHES.

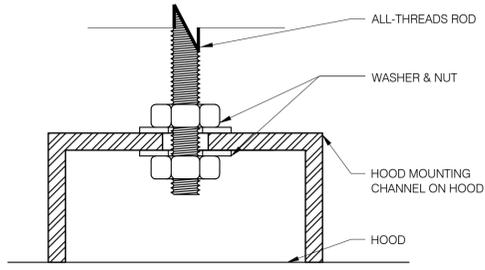
- MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR.
- UNDERCUT RESTROOM DOORS AND OFFICE DOOR MIN. 3/4" FOR MAKE-UP AIR.
- 10X10 EXHAUST AIR DUCT DOWN AND TRANSITION TO EXHAUST CONNECTION AT HOOD. EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS 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.
- RUN DUCTWORK BETWEEN JOISTS AS HIGH AS POSSIBLE UNDER ROOF JOISTS.
- NOT USED.
- EXHAUST DUCTWORK RUN UP BETWEEN ROOF JOISTS TO EF-1.
- FURNISH AND INSTALL 3" PVC WATER HEATER COMBUSTION AIR INTAKE TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES. REFER TO DETAILS 2 / P6.0, 13 / A6.0.
- RUN DUCT THROUGH OPEN WEBBING OF ROOF JOISTS (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
- AIR TRANSFER GRILLS. SEE SECTION 'B' ON SHEET A5.2.
- ACCESS OPENING TO SPACE ABOVE WALK-IN. SEE SHEET A7.1.
- 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.

NOT USED **F**

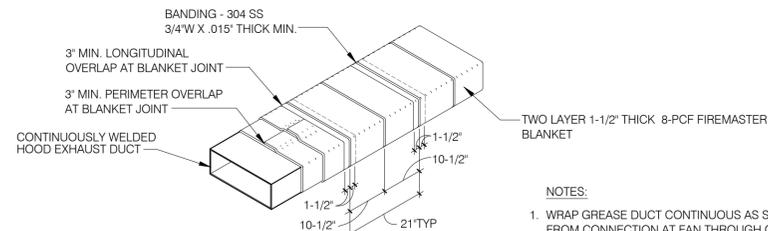
KEY NOTES **B**



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

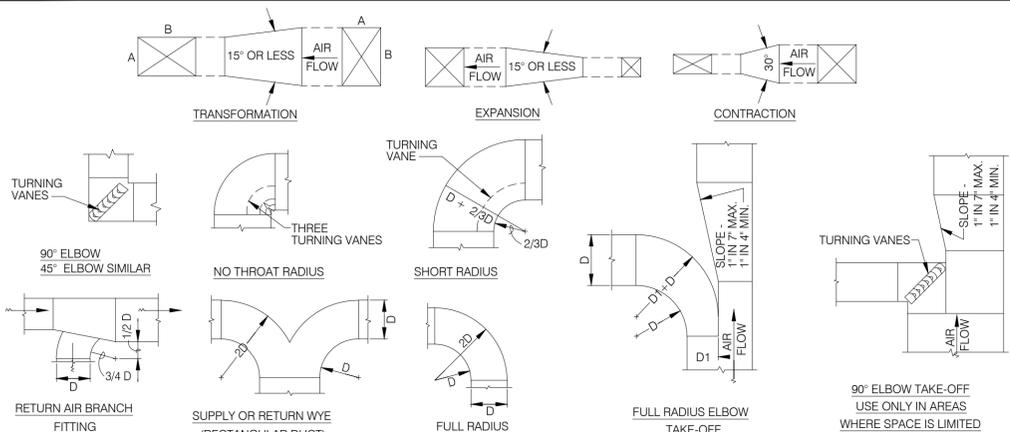


BOLT CONNECTION TO HOOD N.T.S. **14**

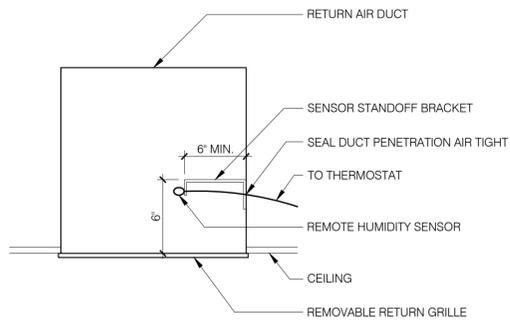


- NOTES:**
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
 2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM 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"

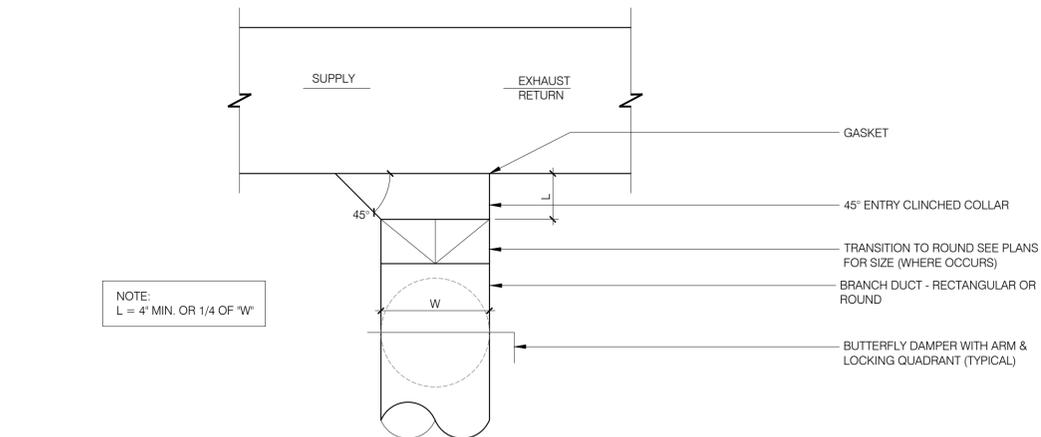
KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL N.T.S. **15**



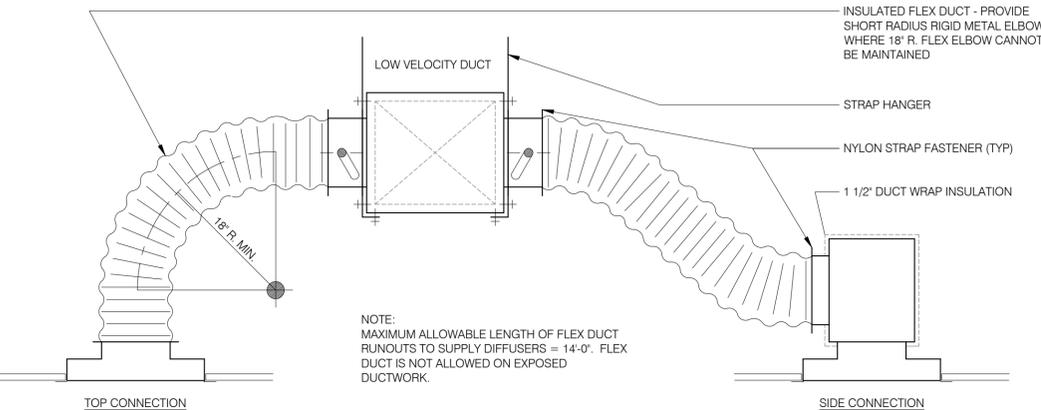
TYPICAL DUCTWORK DETAILS N.T.S. **16**



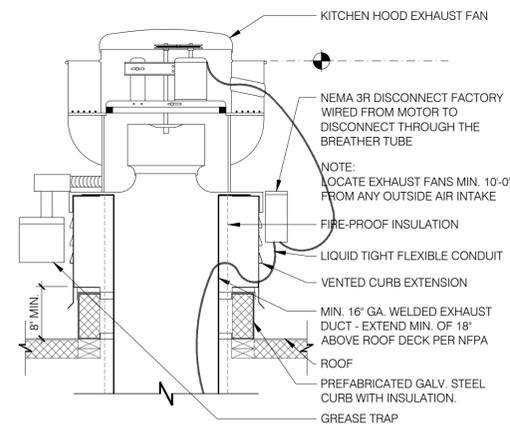
REMOTE HUMIDITY SENSOR N.T.S. **9**



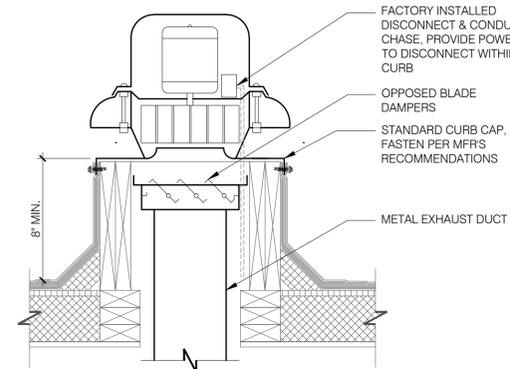
CEILING DIFFUSER CONNECTIONS N.T.S. **8**



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



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



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

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E-MAIL: bchandler@idstudio4.com



12.10.15

CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS -Large 50
PLAN VERSION: 06.08.15 -- REV 0
SITE NUMBER:
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TACO BELL
US Route 220
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MECHANICAL AND HOOD DETAILS

M4.0

PERMIT PLOT DATE:

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

- SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- ALL DRAIN WATER & GAS LINES SHALL BE KEPT TIGHT TO THE UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.
- VERIFY THE LOCATION OF THE SANITARY SEWER ON THE SITE PLAN AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.
- PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODES. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.
- 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.
- 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.
- ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKE.
- PROVIDE GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.
- INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.
- 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.
- ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- 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.
- REFER TO MECHANICAL SHEETS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.
- ALL GAS LINES SHALL BE SUPPORTED SEE SPECS.
- ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.
- PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
- PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE MINIMUM 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.
- 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.
- COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
- 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.
- PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN, GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.
- 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.
- ALL WATER LINES SHALL BE RUN OVERHEAD U.O.N.
- ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.
- PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.
- CPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.
- 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

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

KEYNOTE

F

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—	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

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	3	4	12	2	6	--	--
URINAL	1	5	5	5	5	--	--
LAVATORY	2	1	2	1.5	3	1.5	3
HAND SINK	2	2	4	1.5	3	1.5	3
PREP SINK *	1	--	--	2	2	2	2
3 - COMPARTMENT SINK *	1	--	--	3	3	3	3
HOSE BIBB/WATER FILTRATION UNIT	2/1	--	--	2.5/1/1	3.5	--	--
FLOOR DRAIN	9	2	18	--	--	--	--
HUB DRAIN	1	2	2	--	--	--	--
FLOOR SINK	5	6	30	--	--	--	--
MOP SINK	1	3	3	2.25	2.25	2.25	2.25
RETHEMALIZER*	1	-	-	--	--	1.0	1.0
TOTAL	-	-	76	--	27.75	--	14.25

PROBABLE DEMANDS/ AND PIPE SIZING REQUIREMENTS: COLD WATER: 27.75 FU = 22 GPM USE 1-1/2" CW SERVICE DRAIN: GW 43 DFU USE 4" SANITARY (MIN) DRAIN: SAN 24 DFU USE 4" SANITARY (MIN) HOT WATER: 14.25 FU = 17 GPM USE 1-1/4" HW SERVICE

BASED ON 2009 IPC (COMBINATION DRAIN & VENT). *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
(ECO) 1	EXTERIOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 5600Z WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
(FS) 1	FLOOR SINK	4"	2"	--	--	--	6	--	LIGHT DUTY, ACID RESISTANCE, WHITE PVC FLOOR SINK W/ 12" SQUIRE WHIT PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE.	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	4"	2"	1/2"	--	--	4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, 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	2"	1-1/2"	3/4"	--	--	5	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	1-1/4"	1-1/2"	--	--	1/2"	2	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPASH, ADA ACCESSIBLE, FLAT GRID STRAINER, BRAIDED WATER LINES AND 0.5 GPM AERATOR. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. WRIST-ACTION SELF-METERING T&S #B-0831-WA(N-141), ADA COMPLIANT. SEE 8/P6.0 FOR LAV SUPPORT DETAIL.	A.S. COMRADE/ MODEL: 0124.131 CRANE "HARWICH" / MODEL: 1412V --
(S) 1	HAND SINK	1-1/2"	1-1/2"	--	--	1/2"	2	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"	--	3	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"	--	--	2	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	--	--	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	--	--	1-1/4"	1-1/4"	--	--	--	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	RINNAL # C1991
(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 CLEAN-OUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019

PLUMBING SCHEDULE

A

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kathleendayarchitect@gmail.com

ENGINEER:

BRIAN EDWARD CHANDLER, PE

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SUITE 510
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PHONE: 972.870.1288
E-MAIL: bchandler@tdstudio4.com



12.10.15

OWNERS COMMENTS 12.07.15

CONTRACT DATE: 04.14.15

BUILDING TYPE: LIVE MAS -Large 50

PLAN VERSION: 06.08.15 -- REV 0

SITE NUMBER:

STORE NUMBER:

TACO BELL
US Route 220
Township of Bedford, PA



LARGE50
PLUMBING SCHEDULES AND NOTES

P1.0

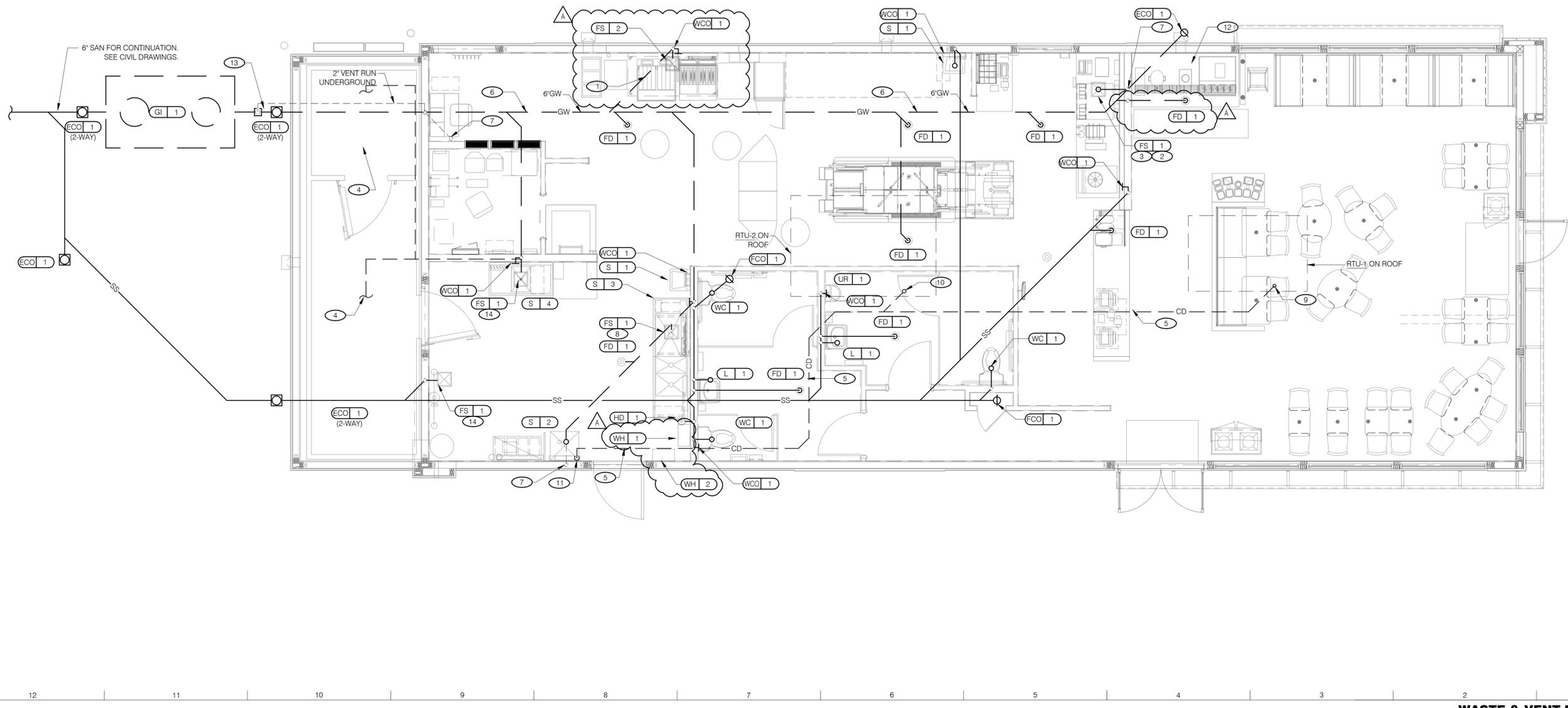
PERMIT PLOT DATE:

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12.10.15



NO.	OWNER'S COMMENTS	DATE
1		12.07.15
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV O
 SITE NUMBER:
 STORE NUMBER:

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

TACO BELL
 US Route 220
 Township of Bedford, PA



WASTE AND VENT PLAN P2.0

PERMIT PLOT DATE:

NOT USED N.T.S. E

NOT USED D

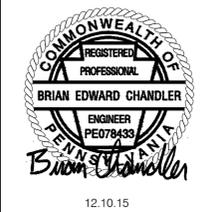
WASTE & VENT PLAN NOTES C

- 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.

- 1 UNDERGROUND SANITARY PIPE SHALL BE 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 HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
- 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
- 4 PROVIDE 3/4" COPPER CONDENSATE FROM COOLER/FREEZER EVAPORATOR DRAIN PROVIDED BY VENDOR TO OUTFALL AT FLOOR SINK (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). PIPE FROM REVERSE OSMOSIS SYSTEM TO FLOOR SINK.
- 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 OUTLET OF INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 7 3" VENT UP THROUGH ROOF.
- 8 PIPE WASTE FROM 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.
- 9 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
- 10 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 13 ON DRAWING P6.0.

- 11 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.
- 12 RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OPG. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE.
- 13 FLOW CONTROL FITTING WITH VENT.
- 14 DRAIN FOR REVERSE OSMOSIS.

KEY NOTES B



12.10.15

OWNERS COMMENTS 12.07.15

CONTRACT DATE: 04.14.15

BUILDING TYPE: LIVE MAS -Large 50

PLAN VERSION: 06.08.15 ~ REV 0

SITE NUMBER:

STORE NUMBER:

TACO BELL

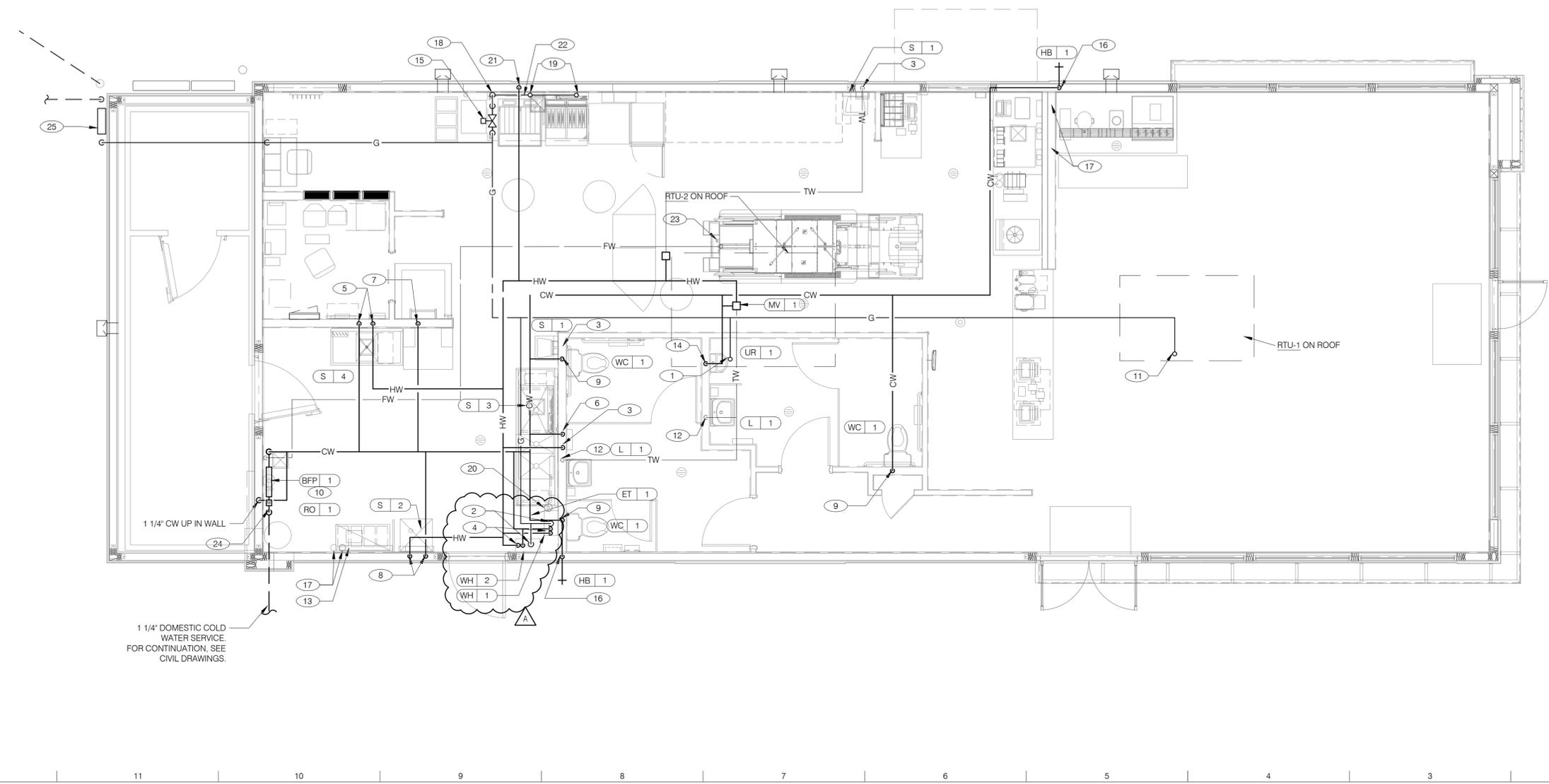
US Route 220
 Township of Bedford, PA



WATER AND GAS PLAN

P3.0

PERMIT PLOT DATE:



1 1/4" DOMESTIC COLD WATER SERVICE. FOR CONTINUATION, SEE CIVIL DRAWINGS.

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

- 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. PEX WATER LINES ACCEPTABLE AS ALTERNATE TO COPPER WHERE ALLOWED BY CODE.

- 1 1-1/4" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
- 2 1-1/4" GAS DOWN TO WATER HEATERS WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK AND 3 COMP 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 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 THE 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 WATER CLOSET FLUSHOMETER TANK.
- 10 METER AND REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF METER. PIPE BFP 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 3/4" CW DOWN IN WALL TO URINAL FLUSH VALVE.
- 15 EMERGENCY GAS SHUT-OFF VALVE LOCATED BELOW CEILING.
- 16 3/4" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.
- 17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE DISPENSER S-543. SEE DRAWINGS A2.0 AND P5.0.
- 18 1-1/4" GAS DOWN ALONG WALL TO TACO BELL COOKING EQUIPMENT.
- 19 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 20 3" PVC COMBUSTION AIR AND VENT FOR WTR. HTR. & ATMOSPHERIC FLUE ON HOT WATER HEATER. SEE M2.0.
- 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. HARD GAS LINE BEHIND COOKING EQUIPMENT SHALL NOT BE MORE THAN 6" MAX. FROM THE WALL SURFACE.
- 23 1/4" FILTER WATER LINE 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. SEE DETAIL 9 / P6.0.
- 25 GAS METER REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS CO. SEE CIVIL DRAWINGS FOR CONTINUATION.

WATER & GAS PLAN NOTES

NOT USED **E**

NOT USED N.T.S. **D**

KEY NOTES

B



12.10.15

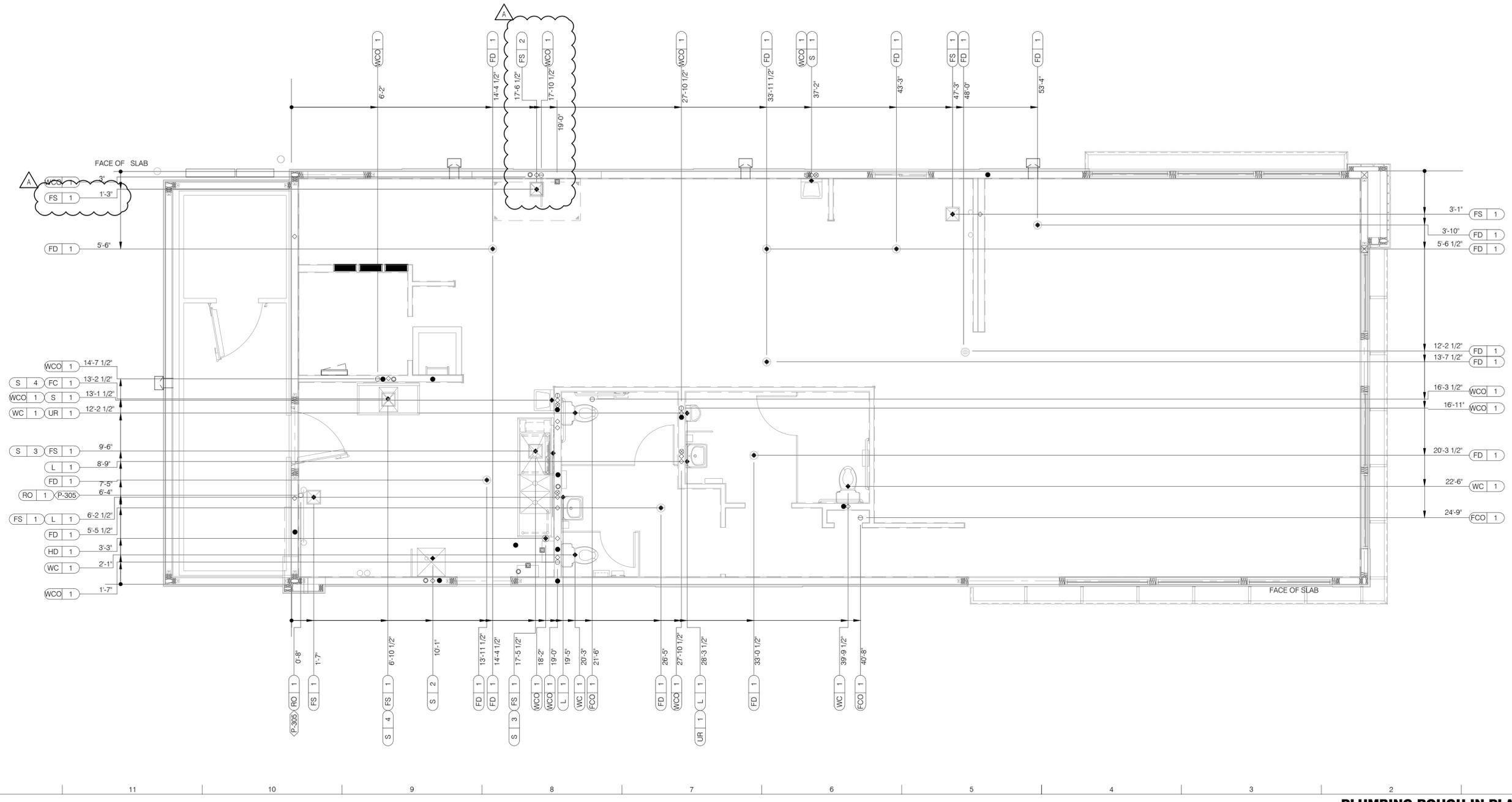
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CONTRACT DATE: 04.14.15
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 PLAN VERSION: 06.08.15 -- REV O
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



PERMIT PLOT DATE:



EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS	EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--	S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F	--
FS 2	FLOOR SINK			EPOXY COATED CAST IRON	S 4	PREP SINK	W	+19" A.F.F	--
HD 1	HUB DRAIN			--	S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F	--
WH 1	WATER HEATER	CW		--					
WH 1	WATER HEATER	G	+15" A.F.F.	--					
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	S-513	ICE MAKER	FW	-	VIA SYRUP BUNDLE
UR 1	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED	C-107	RETHERMALIZER	HW	+8" A.F.F.	
L 1	LAVATORY	TW	+20" A.F.F.	--	C-107	RETHERMALIZER	G	+12" A.F.F.	
L 1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--	C-046	DOUBLE OPEN FRYER	G	+12" A.F.F.	
RO 1	REVERSE OSMOSIS	CW	+84" 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-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F	--	P-250	UTILITY CHASE FOR M.A.P.S. LINE	HW/FW	CLG.	STUB AT CLG.
S 2	MOP SINK FAUCET	CW/HW	+42" A.F.F	CLOSET MOP SINK ONLY	P-452	HOT WATER SYSTEM	CW	+24" A.F.F.	
S 3	3-COMPARTMENT SINK	W	+19" A.F.F	--					

PLUMBING ROUGH-IN SCHEDULE D

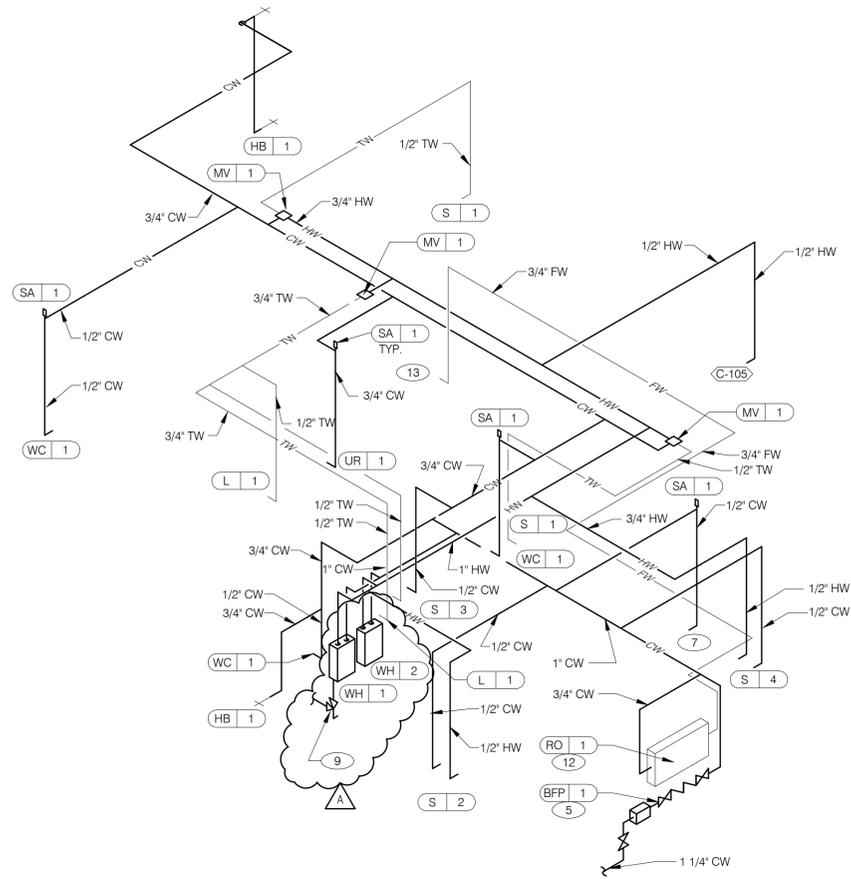
- HOT WATER
- COLD WATER
- ⊗ TEMPERED WATER
- GAS
- ⊖ FLOOR DRAIN
- ⊠ FLOOR SINK
- ⊙ HUB DRAIN
- ◆ WASTE OUTLET
- ⊖ FLOOR CLEANOUT
- ⊖ WALL CLEANOUT
- FILTERED WATER
- ◇ VENT UP FROM UNDER SLAB
- WATER LINE THRU FLOOR.

SYMBOL LEGEND C

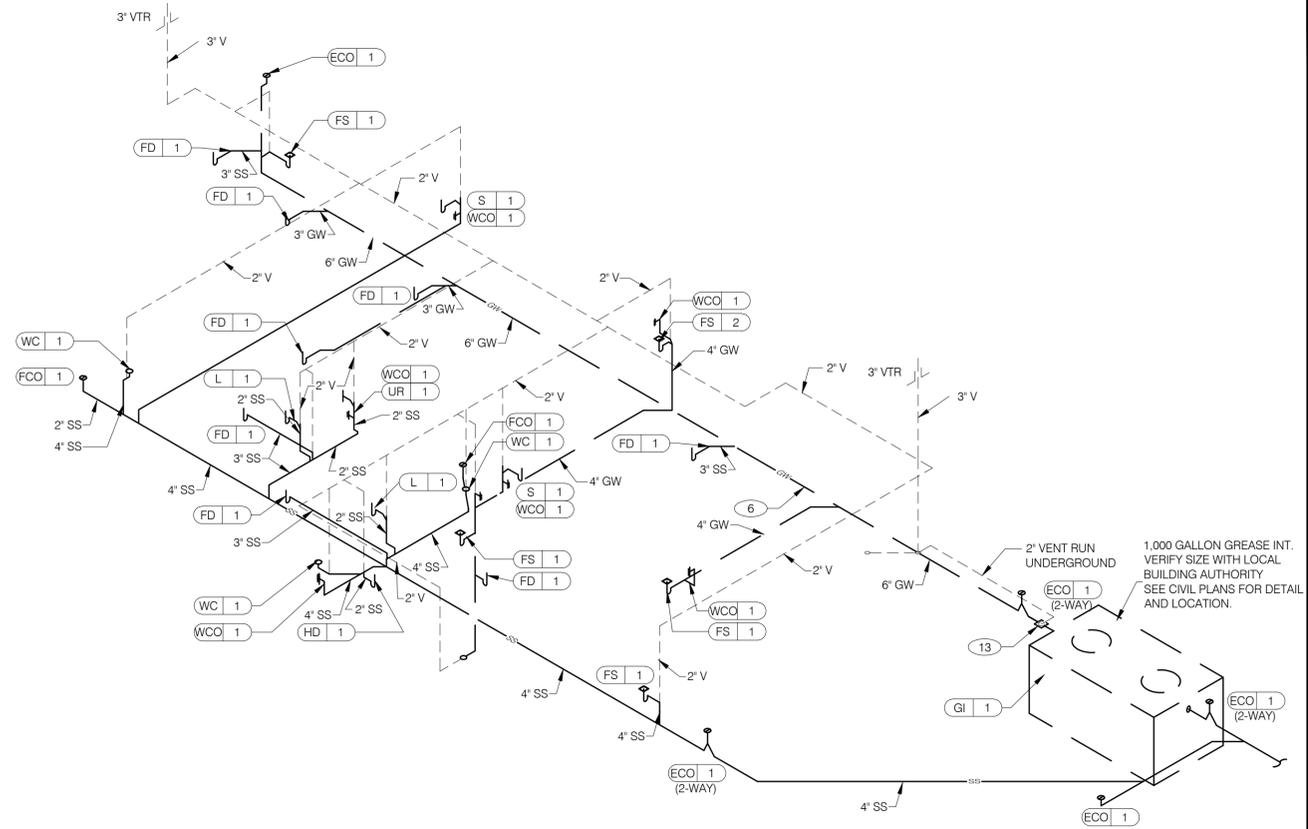
1. ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED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

* CHILLED & FILTERED.

PLUMBING ROUGH-IN NOTES B



WATER ISOMETRIC N.T.S. **4**

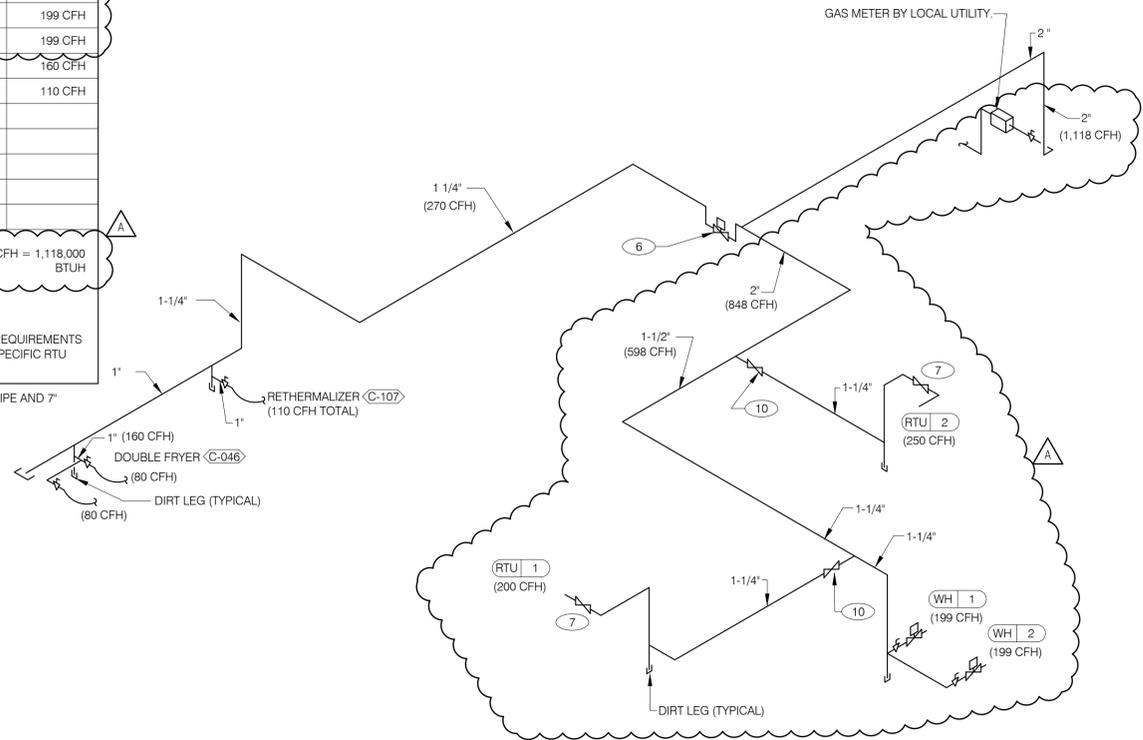


WASTE AND VENT ISOMETRIC N.T.S. **1**

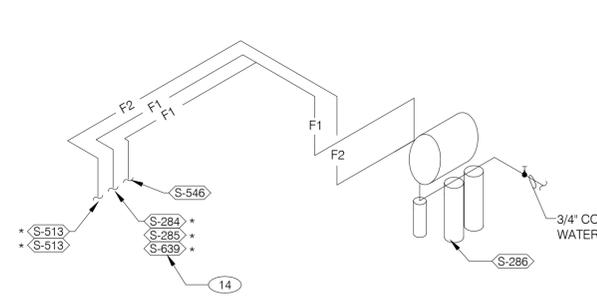
GAS DEMAND SCHEDULE	
RTU-1	200 CFH
RTU-2	250 CFH
WH-1	199 CFH
WH-2	199 CFH
DOUBLE FRYER	180 CFH
RETHEMALIZER	110 CFH
TOTAL DEMAND BASIS OF DESIGN	
1,118 CFH = 1,118,000 BTUH	

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

PIPE SIZE BASED ON 90' OF PIPE AND 7"
W.C.



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-639 - 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**

- ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR NO HUB CAST IRON AS REQUIRED BY CODE.
- 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK / LAVATORY.
- 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK AND 1/2" COLD WATER TO WATER FILTER FOR HOT WATER SYSTEM P-450.
- THERMOSTATIC MIXING VALVE.
- METER AND REDUCED PRESSURE BACKFLOW PREVENTER.
- EMERGENCY GAS SHUT-OFF VALVE SHALL BE A MECHANICALLY OPERATED VALVE ACTIVATED BY THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH IBC AND NFPA.
- FACTORY GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT.
- 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO 3 COMP SINK.
- PIPE T&P RELIEF VALVE TO OUTSIDE OF BUILDING OR TO HUB DRAIN, RUN FULL SIZE PIPE FROM VALVE WITH TYPE 'K' COPPER TUBING.
- GAS SHUT-OFF VALVE IN CEILING SPACE BY G.C.
- PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO TB RETHEMALIZER.
- 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.
- 1/2" FILTERED WATER FROM REVERSE OSMOSIS FILTER DOWN IN UTILITY CHASE OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON FW PIPE IN CEILING NEAR UTILITY CHASE.
- TEE OFF 3/8" LINE FROM DRIVE THRU BEVERAGE DISPENSER FILTERED WATER SUPPLY. SEE DETAIL 16/P6.0.

KEYNOTES **3**

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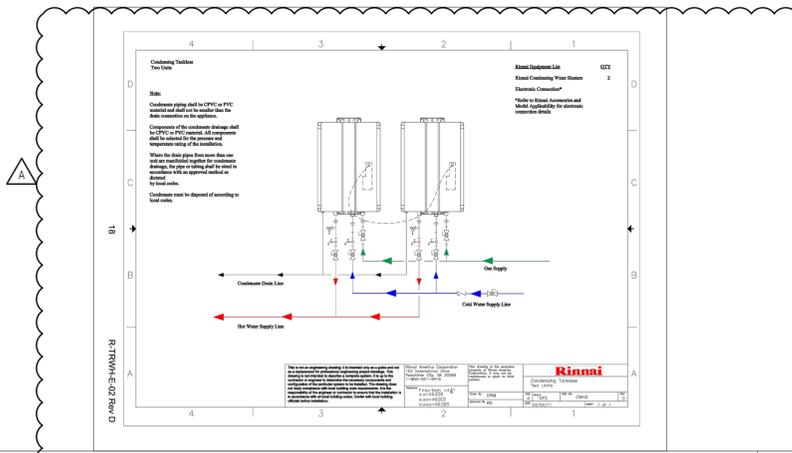
US Route 220
Township of Bedford, PA



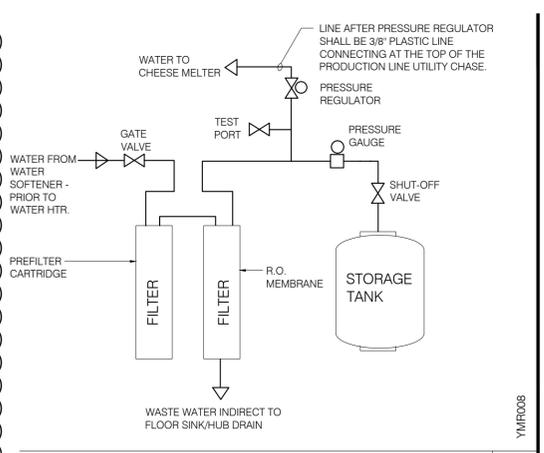
**RISER
DIAGRAMS**

P5.0

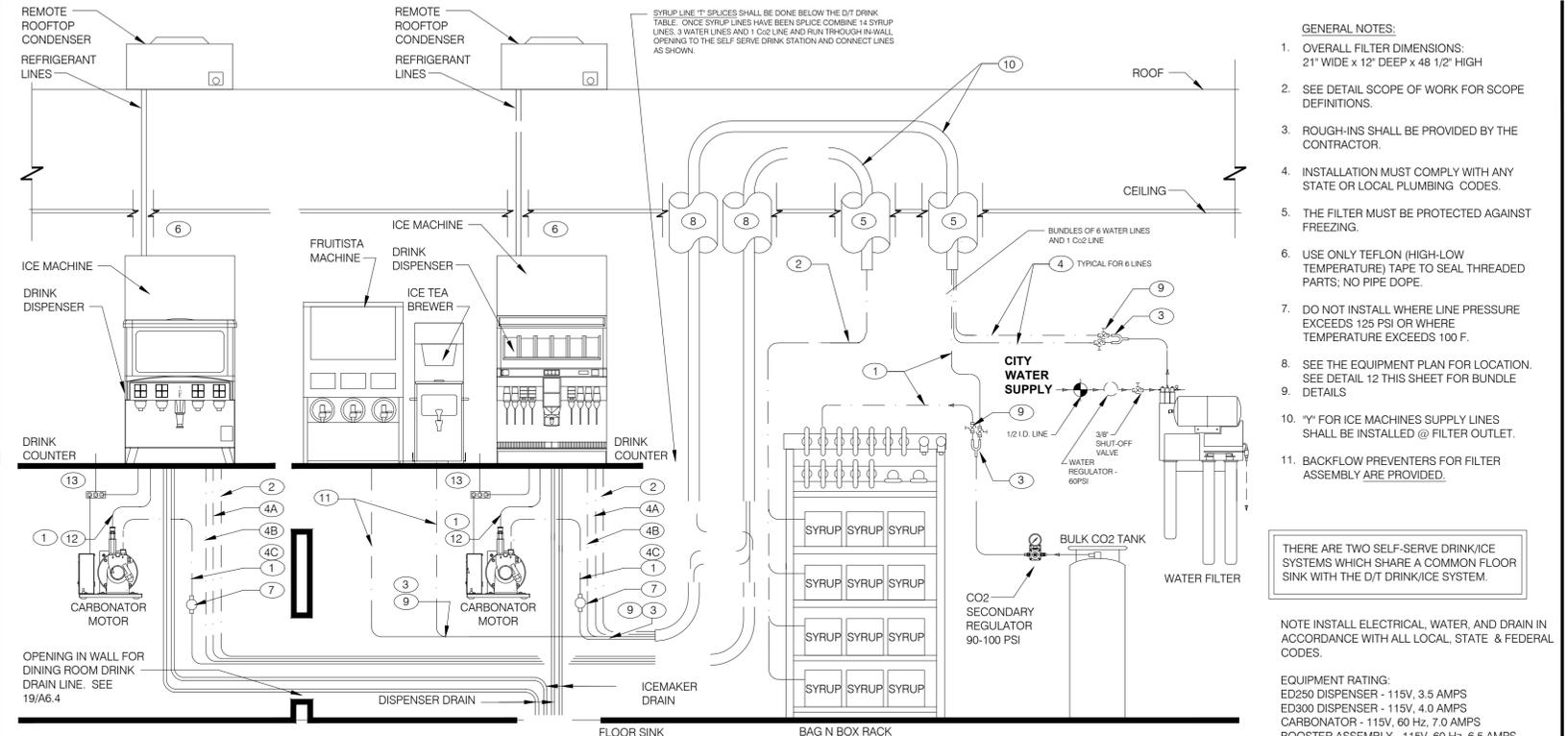
PERMIT PLOT DATE:



WATER HEATER PIPING DIAGRAM N.T.S. **13**



REVERSE OSMOSIS SYSTEM N.T.S. **9**



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

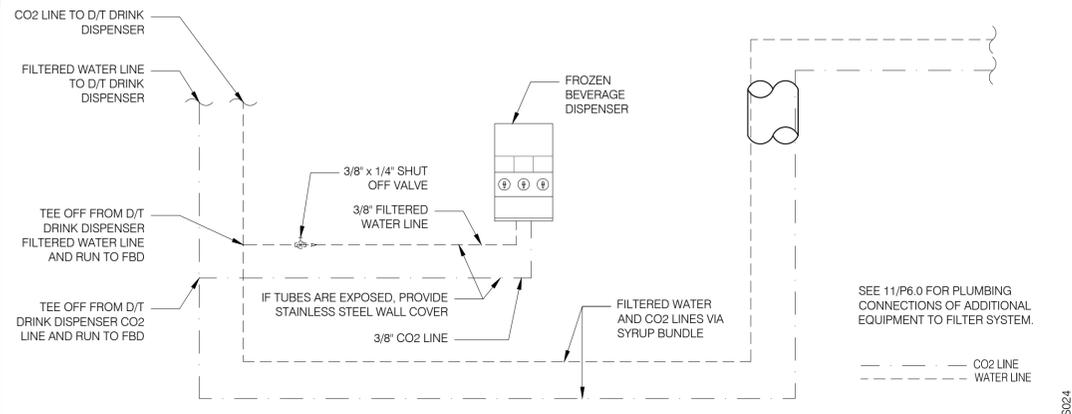
THERE ARE TWO SELF-SERVE DRINK/ICE SYSTEMS WHICH SHARE A COMMON FLOOR SINK WITH THE D/T DRINK/ICE SYSTEM.

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

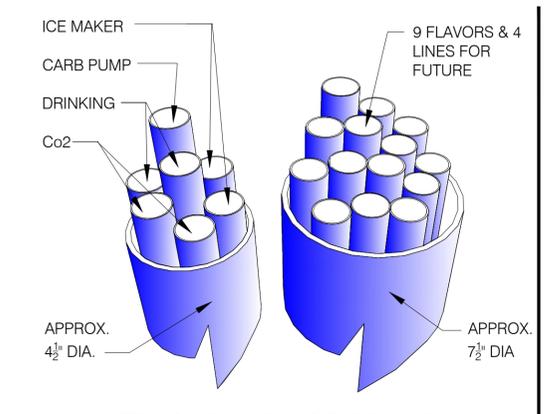
EQUIPMENT RATING:
 ED250 DISPENSER - 115V, 3.5 AMPS
 ED300 DISPENSER - 115V, 4.0 AMPS
 CARBONATOR - 115V, 60 Hz, 7.0 AMPS
 BOOSTER ASSEMBLY - 115V, 60 Hz, 6.5 AMPS

DRINK SYSTEM SCHEMATIC N.T.S. **11**

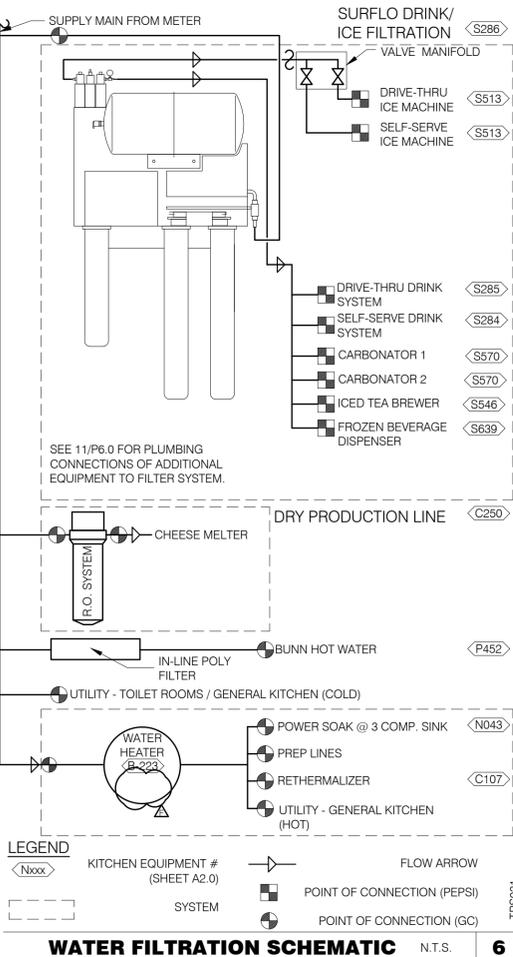
- KEY NOTES:**
- 3/8" CO2 LINE
 - 14 - 3/8" SYRUP LINE BUNDLE
 - 1/2" X 3/8" X 3/8" **
 - 3/8" FILTERED WATER LINE TO DINING & DRIVE THRU
A. WATER LINE TO ICE MACHINE
B. WATERLINE TO WATER DISPENSER VALVE
C. WATERLINE TO CARBONATOR
 - BUNDLED TUBING CEILING PENETRATION. SEE DETAIL 18/A6.4
 - STAINLESS CHASE SURFACE MOUNTED FROM CEILING TO TOP OF ICE MACHINE
 - PRE-SET CO2 REGULATOR
 - SURFACE MOUNTED S.S. CHASE, ONE FOR EACH BUNDLE. SEE DTL. 19/A6.4
 - 3/8" SHUT OFF VALVES BARB FITTINGS. TYP @ ALL Y'S
 - DRINK SYSTEM BUNDLED TUBING. SEE DETAIL 12/P6.0
 - 3/8" FILTERED WATERLINE - ICE TEA, FRUITISTA, DRINK MACHINES & ICE MACHINES
 - 3/8" LINE FOR PRESSURIZED FILTERED WATER
 - ELECTRICAL FOR DRINK SYSTEM. SEE SHEET E3.0



FBD DRINK SYSTEM DETAIL N.T.S. **16**



DRINK MACH. BUNDLE CONFIG. N.T.S. **12**

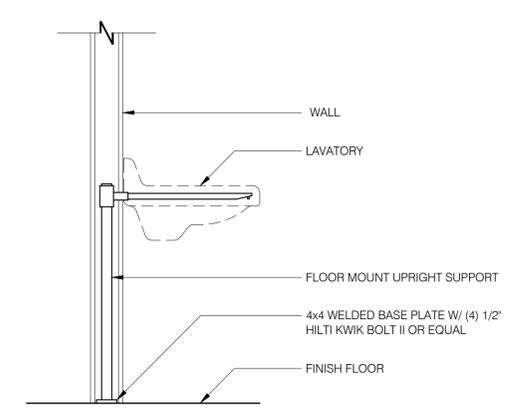


WATER FILTRATION SCHEMATIC N.T.S. **6**

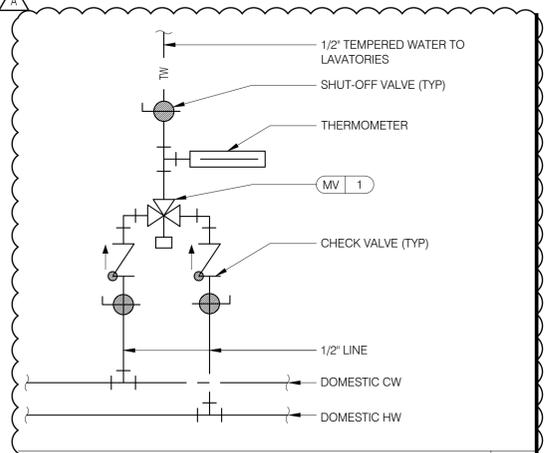
QTY	MODEL #	DESCRIPTION
1	EF100T199E3N	BWC HIGH EFFICIENCY COMMERCIAL WATER HEATER
1	MFK7	MANIFOLD KIT *
1	DET12	EXPANSION TANK
1	HAL	ALARM LIGHT W/ INSTALLATION INSTRUCTIONS
1	PK100	STAND

- * THE FOLLOWING IS INCLUDED IN THE MANIFOLD KIT:
- | QTY | DESCRIPTION |
|-----|------------------------------------|
| 1 | 3/4" BLK GAS COCK |
| 1 | 3/4" BLK UNION |
| 1 | 3/4" BLK TEE |
| 1 | 3/4" BLK CAP |
| 3 | 3/4" x 2 1/2" BLK NIPPLE |
| 1 | 3/4" x 4 BLK NIPPLE |
| 1 | 3/4" THD BALL VALVE |
| 2 | 1 1/2" FX UNION |
| 6 | 1 1/2" CXC 90 |
| 1 | 1 1/2" CXC TEE |
| 2 | 1 1/2" BALL VALVES CXC |
| 1 | 1 1/2" CHECK VALVES CXC |
| 1 | 1 1/2" GALV ST 90 |
| 1 | 1 1/2" CX ST 90 |
| 1 | HPT-507 1/2" P-TRAP |
| 1 | 1/2" P4 SMA |
| 1 | 1 1/2" x 1 1/2" x 1/2" TEE COPPER |
| 1 | DIAL THERMOMETER |
| 1 | 1/2" COPPER FEMALE FITTING ADAPTER |
| 1 | 3" PVC 90° |
| 1 | 1/2" PVC STREET 90° |
| 1 | 1/2" PVC 90° ELBOW |

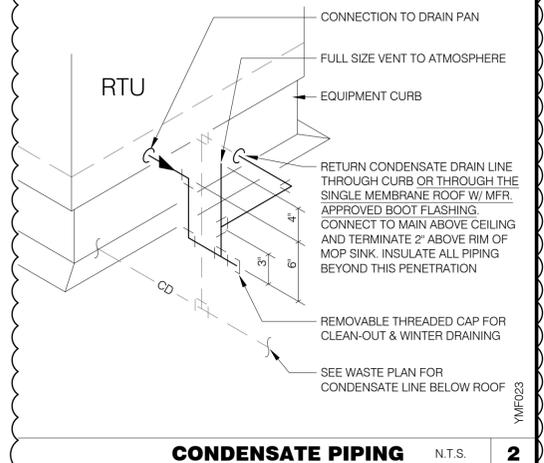
WATER HEATED SCHEDULE N.T.S. **7**



LAVATORY SUPPORT N.T.S. **8**



TEMPERING VALVE N.T.S. **1**



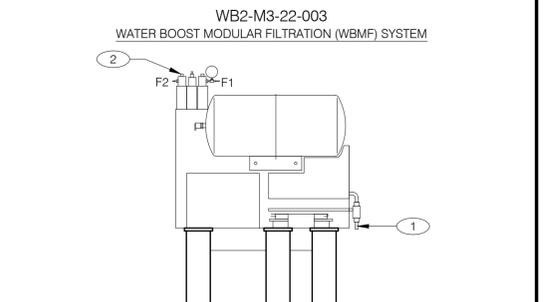
CONDENSATE PIPING N.T.S. **2**

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

FILTER LINE F1 SUPPLIES BUNDLED TUBE BY PEPSI

FILTER LINE F2 SUPPLIES BUNDLED TUBE BY PEPSI

- DRIVE THRU DRINK STATION
- SELF-SERVE DRINK STATION
- ICE MACHINES



WATER FILTER SYSTEM N.T.S. **4**

- KEY NOTES:**
- 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
 - 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.
- GENERAL NOTES:**
- OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH
 - SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
 - INSTALLATION MUST COMPLY WITH STATE OR LOCAL PLUMBING CODES.
 - THE UNIT MUST BE PROTECTED AGAINST FREEZING.
 - USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
 - DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
 - SEE SHT. A2.0 FOR LOCATION.

WATER FILTER SYSTEM N.T.S. **4**

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 SUITE 510
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 PHONE: 972.870.1288
 E-MAIL: bchandler@tdstudio4.com



12.10.15

OWNERS COMMENTS 12.07.15

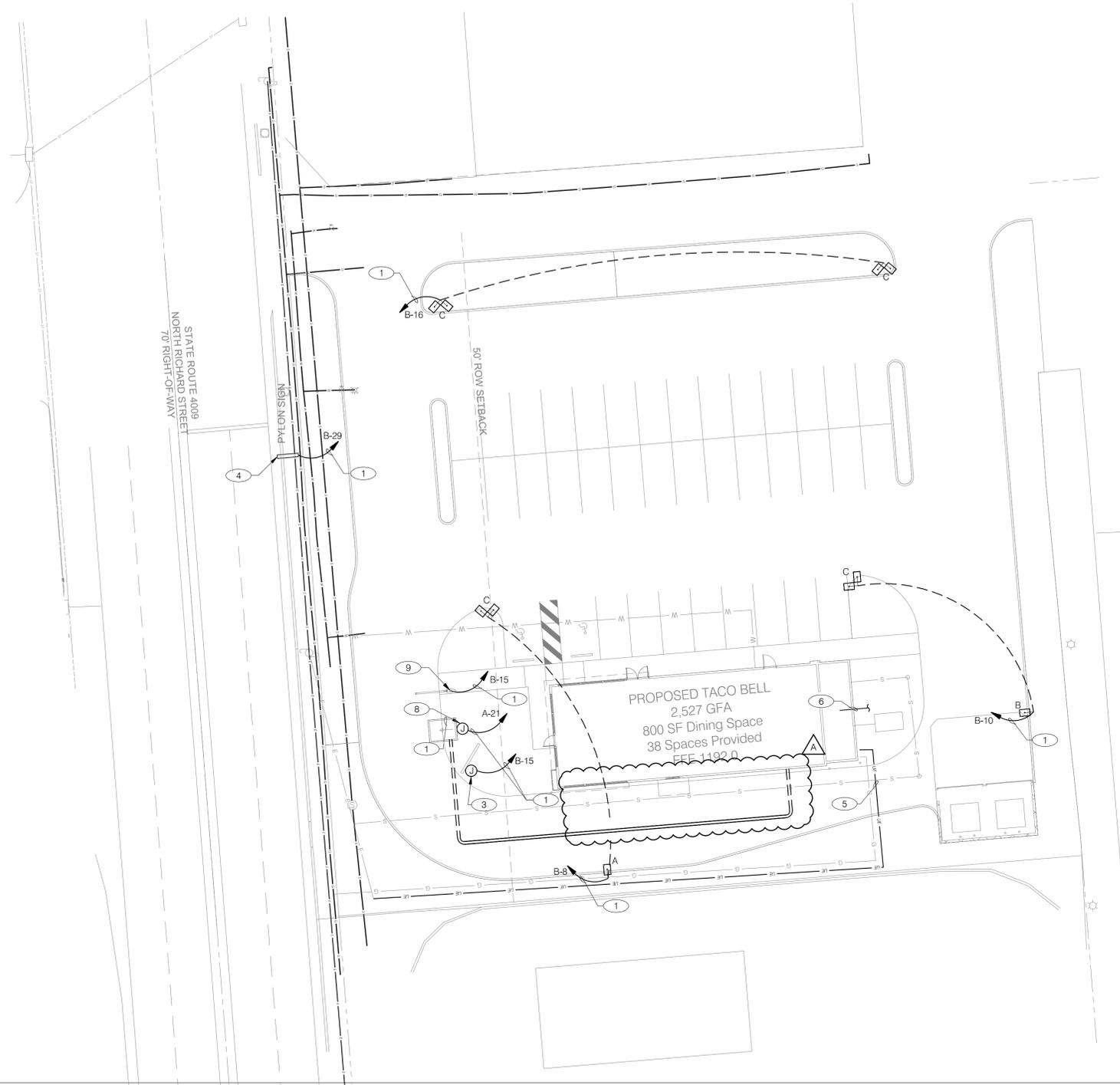
CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 06.08.15 - REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



PLUMBING DETAILS
P6.0

PERMIT PLOT DATE:



SITE ELECTRICAL PLAN 1"=20'-0" **A**

- 1 3/4" C. - 2 #10, #10 GRD. (TYP. FOR ENTIRE CIRCUIT.)
- 2 DIRECTIONAL SIGN. (OPTIONAL)
- 3 MENU BOARD. REFER TO DETAILS 2/C1.0, 10/C1.0, 12/C1.1 AND 4/E7.0.
- 4 LED PYLON SIGN.
- 5 UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 6 UNDERGROUND TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 7 PREVIEW BOARD. (OPTIONAL)
- 8 ORDER CONFIRMATION BOARD/ SPEAKER POST.
- 9 ILLUMINATED CLEARANCE BAR. REFER TO DETAILS 2/C1.1 AND 3/C1.1.
- 10 SITE LIGHTING. REFER TO CIVIL DRAWINGS. TYP. REFER TO DETAIL 12/C1.1.
- 11 1" C. - 3 #8, #8 GND.
- 12 3/4" C. - 2 #8, #8 GND.

KEY NOTES **B**

NOT USED **F**

NOT USED **E**

NOT USED **D**

NOT USED **C**

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CONTRACT DATE: 04.14.15
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TACO BELL
 US Route 220
 Township of Bedford, PA

LIVE MAS
 LARGE50
SITE ELECTRICAL PLAN
E1.0

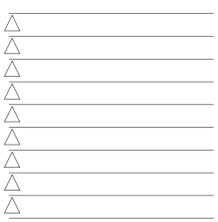
PERMIT PLOT DATE:

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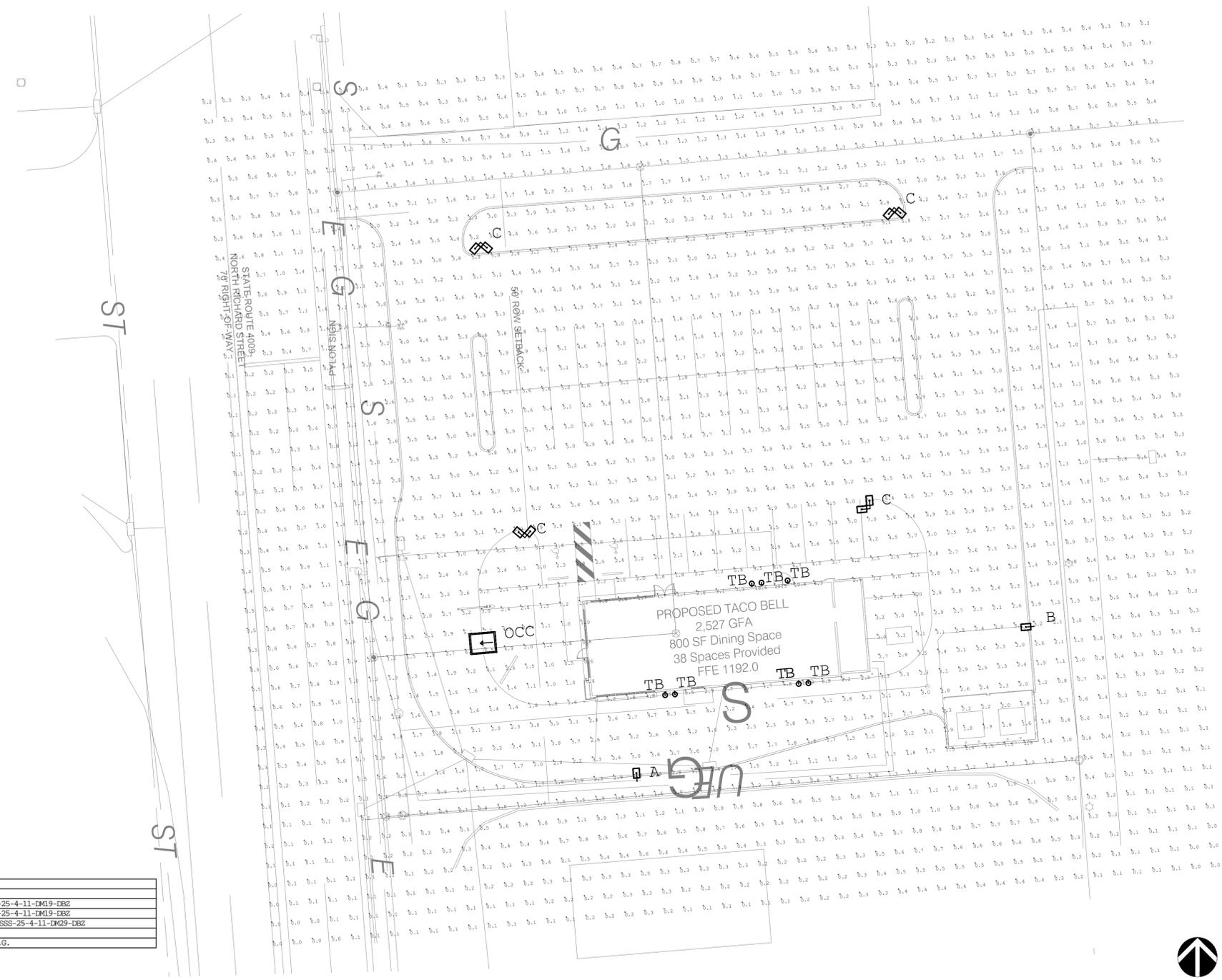
TACO BELL
 US Route 220
 Township of Bedford, PA



SITE PHOTOMETRIC PLAN

E1.1

PERMIT PLOT DATE:



Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
EXTENDED	1.90	18.6	0.0	N.A.	N.A.
DRIVE-THRU LANE SURFACE	2.75	8.3	1.4	1.96	5.93
PARKING LOT SURFACE	3.53	9.5	1.5	2.35	6.33

LIGHT LEVELS ARE MAINTAINED FOOT-CANDLES, INITIAL LEVELS ARE SLIGHTLY HIGHER

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Lam. Watts	Description
⊞	1	A	SINGLE	N.A.	0.900	210	CL1-A-90L-U-4K-2-DB / AVPL-SSS-25-4-11-DM9-DBZ
⊞	1	B	SINGLE	N.A.	0.900	210	CL1-A-90L-U-4K-3-DB / AVPL-SSS-25-4-11-DM9-DBZ
⊞	4	C	2 @ 90 DEGREES	N.A.	0.900	210	(2) CL1-A-90L-U-4K-3-DB / AVPL-SSS-25-4-11-DM9-DBZ
⊞	1	OCC	SINGLE	12500	0.700	185	ORDER CONFIRMATION CANOPY
⊞	7	TB	SINGLE	1230	0.900	36	ACCU 05247-051-052 @ 9.17" A.F.G.

LIGHTING RESTRICTIONS: TOTAL WATTAGE FOR SITE FIXTURES NOT TO EXCEED 2,294W AS PER COMCHECK REQUIREMENTS
 SITE FIXTURES ARE 210W 4000K LED w/ FLAT LENSES
 POLES ARE 25'-0" FOR AN OVERALL FIXTURE MOUNTING HEIGHT OF 27'-6" A.F.G.

SITE PHOTOMETRIC PLAN 1"=20'-0" A

THE INFORMATION PRESENTED HERE IS PROVIDED FOR REFERENCE ONLY AND WAS NOT PREPARED BY ID STUDIO 4, LLC. AS SUCH, ID STUDIO 4, LLC ASSUMES NO RESPONSIBILITY FOR ERRORS, OMISSIONS, OR CODE COMPLIANCE ISSUES IN THE PHOTOMETRIC STUDY DOCUMENTS.

NOT USED F

NOT USED E

NOT USED D

NOT USED C

KEY NOTES B

NATIONAL ACCOUNTS: SWITCHGEAR
SUPPLY and INSTALL STANDARD PACKAGE

CORPORATE AND FRANCHISE DEVELOPMENT

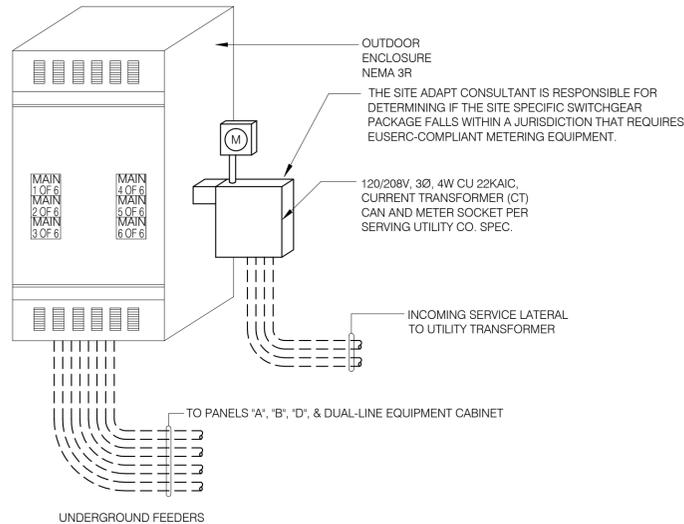
YUM NATIONAL ACCOUNT AGREEMENT IS WITH SQUARE-D FOR ELECTRICAL SWITCHGEAR EQUIPMENT FOR COMPANY AND FRANCHISE DEVELOPMENT. CUTLER-HAMMER ELECTRICAL SWITCHGEAR EQUIPMENT IS AN APPROVED ALTERNATE MANUFACTURER FOR FRANCHISE DEVELOPMENT ONLY.

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

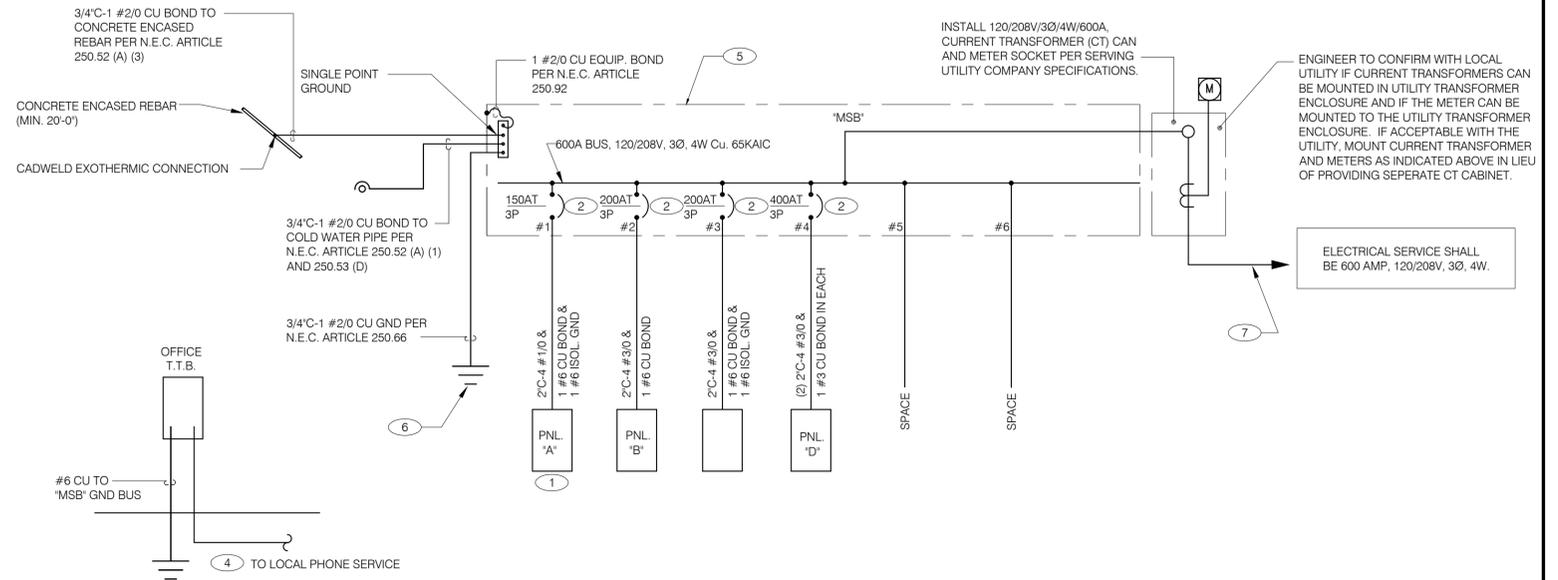
SERVICE ENTRANCE EQUIPMENT ELEVATION - NON-EUSERC PACKAGE

E

	2X4 FLUORESCENT FIXTURE	NL	NIGHT LIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
	2X4 FLUORESCENT FIXTURE WITH BATTERY PACK		CEILING MOUNTED SPEAKER		FUSED DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE		WALL MOUNTED SPEAKER		NON-FUSED DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE WITH BATTERY PACK		JUNCTION BOX		PHOTOCELL
	DOWNLIGHT FIXTURE		WALL MOUNTED JUNCTION BOX		RAIN SENSOR
	PENDANT MOUNTED LIGHT FIXTURE		TELEPHONE OUTLET		FLUORESCENT WALL MOUNT FIXTURE
	EXTERIOR WALL SCENCE		DEDICATED GROUNDED OUTLET		EMERGENCY LIGHT
	WALL WASH DOWNLIGHT FIXTURE		DUPLEX GROUNDED OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	EXTERIOR WALL GOOSE NECK FIXTURE		DOUBLE DUPLEX GROUNDED OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	COOLER FIXTURE		GROUND FAULT DUPLEX OUTLET		RELAY
	COOLER FIXTURE		GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED		CONDUIT RUN, UNDERGROUND
	BUG-EYE EMERGENCY FIXTURE (WALL MOUNTED)		GROUND FAULT DEDICATED OUTLET		SMOKE DETECTOR
	EXIT SIGN (WALL MOUNTED)		CEILING DUPLEX OUTLET		EXTERIOR WALL FIXTURE
	EXIT SIGN (CEILING MOUNTED)		DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
	SECURITY STROBE		DOUBLE DUPLEX ISOLATED GROUND OUTLET		WEATHERPROOF GROUND FAULT
			DEDICATED ISOLATED GROUND		
			SPECIAL PURPOSE OUTLET		
			CEILING SPECIAL PURPOSE OUTLET		
			ELECTRICAL PANEL SEE SHEET E2.1 FOR PANEL SCHED.		
			HOLD UP EMERGENCY BUTTON		
			ELECTRICAL MOTOR		
			DUCT MOUNTED SMOKE DETECTOR		
			CONNECTION TO EQUIPMENT		

ELECTRICAL LEGEND

F



SINGLE LINE DIAGRAM

B

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 ALUMINIUM.
7. ARMOR CABLE ACCEPTABLE FOR ALL APPLICATIONS EXCEPT WHERE NOT ALLOWED BY CODE. ALL CONDUIT SHALL BE CONCEALED U.N.O.

GENERAL NOTES

D

- 1 WIRE ISOLATED GROUND TO ISOLATED GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. 'DO NOT COMBINE COMMON GND TO ISOLATED GROUND'.
- 2 4 BUILDING MAIN DISCONNECT FOR THIS SERVICE: (MAXIMUM 6 MAINS PER N.E.C.) LABEL EACH MAIN BREAKER AS INDICATED: 'MAIN 1 OF 4' (ENGRAVED LETTERS x 3/4" HIGH) 'MAIN 2 OF 4' 'MAIN 3 OF 4' 'MAIN 4 OF 4'
- 3 EQUIPMENT CABINET IS FURNISHED WITH DUAL LINE.
- 4 PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE OR PEDESTAL FOR TELEPHONE.
- 5 VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY CO. TO 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" C. TO PAD MOUNT TRANSFORMER. GC / ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINIUM CONDUCTORS ARE USED PROVIDE 4#500kcmil IN EACH OF (2) 3" C.

KEY NOTES

C

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12.10.15



CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 -- REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL

US Route 220
Township of Bedford, PA



LIVE MAS

LARGE50

**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			TRIP AMPS	TRIP POLE	TRIP PHASE	TRIP ROLE	TRIP AMPS	WATTS			LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.
						A	B	C						A	B	C					
D-1	#12	3 #12	W-078	WALK-IN COOLER	M	1621			20	A	1	20	1120			M	UTILITY RECEPTACLE/VSAT (F-050 & U-061)	2 #12	#12	D-2	
D-3	-	-	-	-	M		1621			B	1	20	900			L	KITCHEN HOOD LIGHTS	2 #12	#12	D-4	
D-5	-	-	-	-	M			1621		C	3	-				-	SHUNT TRIP BREAKER	-	-	D-6	
D-7	#12	3 #12	W-078	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	20	360			M	EMPLOYEE WORK STATION	F-036	2 #12	#12	D-10
D-11	-	-	-	-	M			1321		C	3	20	1306			M	ICE MACHINE CONDENSER	S-513	2 #10	#10	D-12
D-13	#10	3 #6	-	RTU-1	H	5362			60	A	2	20	1306			M	-	-	-	D-14	
D-15	-	-	-	-	H		5362			B	1	20	1180			H	EF-1 (HOOD)	2 #12	#12	D-16	
D-17	-	-	-	-	H			5362		C	3	20	1306			M	ICE MACHINE CONDENSER	S-513	2 #10	#10	D-18
D-19	-	-	-	SPARE	-					A	2		1306			M	-	-	-	D-20	
D-21	-	-	-	SPARE	-		0			20	1	30	3120			K	FROZEN BEVERAGE DISPENSER	S-639	2 #10	#10	D-22
D-23	#12	2 #12	E-275	HOOD FIRE SUPPRESSION SYSTEM (1)	M			720		20	1	20	3120			K	-	-	-	D-24	
D-25	#12	2 #12	-	IRRIGATION TIMER	M	360				20	1	15	1169			K	POWER SOAK	N-043	2 #12	#12	D-26
D-27	#12	2 #12	-	ROOF RECEPTACLES	M		540			20	1	2	1169			K	-	-	-	D-28	
D-29	#8	3 #3	-	RTU-2	H			8760		80	C	-	780			M	UTILITY RECEPTACLES	2 #12	#12	D-30	
D-31	-	-	-	-	H	8760				A	-	-	1200			M	UTILITY RECEPTACLES	2 #12	#12	D-32	
D-33	-	-	-	-	H		8760			3	B	1	20	1500		M	HAND DRYER	B-235	2 #12	#12	D-34
D-35	#12	2 #12	-	EF-2 (RESTROOM)	H			700		15	1	20	1500			M	HAND DRYER	B-235	2 #12	#12	D-36
D-37	-	-	-	SPARE	-		0			20	1	20	200			M	RECEPTACLE	2 #12	#12	D-38	
D-39	-	-	-	SPARE	-		0			20	1	-	0			-	SPARE	-	-	D-40	
D-41	-	-	-	SPARE	-		0			20	1	-	0			-	SPARE	-	-	D-42	
						17424	17604	18484					6801	8229	8012						

WATTS: BUS A 24225
 BUS B 25833
 BUS C 26496
 TOTAL 76554

LIGHTING = 900 x 1.25 = 1125 W
 HVAC EQUIPMENT = 44372 W
 KITCHEN EQUIPMENT = 8578 x .65 = 5576 W
 OTHER LOADS (MISC.) = 22830 W
 TOTAL LOAD = 73903 W
 TOTAL CURRENT = 205 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

CIRCUIT NO.	GRND WIRE SIZE	# WIRES & SIZE	A&E NO.	LOAD DESCRIPTION	LOAD	WATTS			TRIP AMPS	TRIP POLE	TRIP PHASE	TRIP ROLE	TRIP AMPS	WATTS			LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.
						A	B	C						A	B	C					
A-1	#12	2 #12	S-285	BEVERAGE DISPENSER D/T	K	1296			20	1	A	1	20	0		-	SPARE	-	-	A-2	
A-3	#12	2 #12	S-284	BEVERAGE DISPENSER S/S + ICE MAKERS	K		1380		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	-					-	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 TERMINAL (1) & U-070 (1)	U-100	2 #12	#12	A-10	
A-11	-	-	-	-	K			2013		2	C	1	20		180	M	KITCHEN MONITOR - IG	U-238	2 #12	#12	A-12
A-13	#12	2 #12	S-286	WATER FILTER SYSTEM	M	400			15	1	A	1	20	600		M	CCTV DVR, MONITOR	U-054	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 TERMINALS (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	864		K	CARBONATOR	S-570	2 #12	#12	A-18
A-19	#12	2 #12	-	OFFICE RECEPTACLES	M	360			20	1	A	1	20	0		-	SPARE	-	-	-	A-20
A-21	#12	2 #12	L-090	ORDER CONFIRMATION BOARD/SWITCH BOX	M		130		20	1	B	1	20	360		K	RETHEMALIZER	C-107	2 #12	#12	A-22
A-23	#12	2 #12	F-360	OFFICE - VIDEO TRAINING UNIT	M			400	20	1	C	-	-	-	-	-	SHUNT TRIP BREAKER	-	-	-	A-24
A-25	#12	2 #12	S540	PEPSI BOOSTER TANK/CO2 ALARM	-	540			20	1	A	1	20	1920		K	HEATED CABINET	S-005	2 #12	#12	A-26
A-27	#12	2 #12	S-204	D/T TIMING SYSTEM	M		1056		20	1	B	-	-	-	-	-	SHUNT TRIP BREAKER	-	-	-	A-28
A-29	#12	2 #12	S-004	HEATED CABINET	K			1920	20	1	C	1	20	0		-	SPARE	-	-	-	A-30
A-31	#12	2 #12	C-400	TIMER - B CHANNELTIMER	M	420			20	1	A	-	-	-	-	-	SHUNT TRIP BREAKER	-	-	-	A-32
A-33	-	-	-	SHUNT TRIP BREAKER	-					-	B	1	20	960		-	MONEY COUNTER	F-100	2 #12	#12	A-34
A-35	#10	2 #10	P-452	HOT WATER DISPENSER	K			2013	30	C	1	20		540		-	PEPSI BOOSTER	S-540	2 #12	#12	A-36
A-37	-	-	-	-	K	2013				2	A	1	20	1780		K	ICE TEA BREWER	S-546	2 #12	#12	A-38
A-39	#12	2 #12	U-024	D/T COMM. SYS. BASE STATION	M		480		20	1	B	1	20	816		K	DUAL VAT FRYER	C-046	2 #12	#12	A-40
A-41	#12	2 #12	B-223	WATER HEATER IGNITION	K			160	20	1	C	-	-	-	-	-	SHUNT TRIP BREAKER	-	-	-	A-42
						5029	5359	7886					5164	5736	1944						

WATTS: BUS A 10193
 BUS B 11095
 BUS C 9830
 TOTAL 31118

KITCHEN EQUIPMENT = 21917 x .65 = 14246 W
 OTHER LOADS (MISC.) = 9201 W
 TOTAL LOAD = 23447 W
 TOTAL CURRENT = 65 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

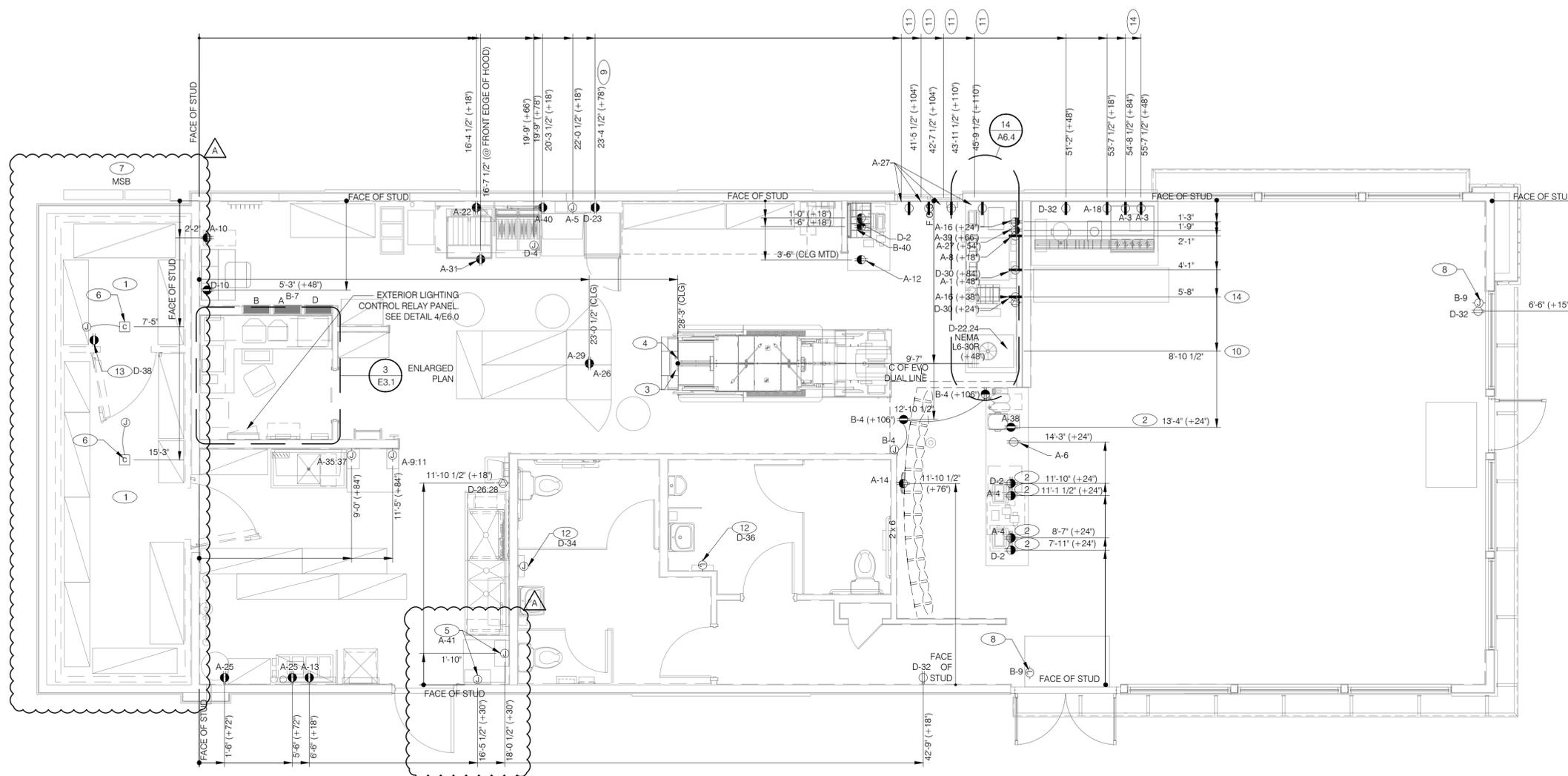
KITCHEN EQUIPMENT PANEL A

CIRCUIT NO.	GRND WIRE SIZE	# WIRES & SIZE	A&E NO.	LOAD DESCRIPTION	LOAD	WATTS			TRIP AMPS	TRIP POLE	TRIP PHASE	TRIP ROLE	TRIP AMPS	WATTS			LOAD DESCRIPTION	A&E NO.	# WIRES & SIZE	GRND WIRE SIZE	CIRCUIT NO.	
						A	B	C						A	B	C						
B-1	#12	2 #12	-	KITCHEN LIGHTS (5)	L	270			20	1	A	1	20	605		L	DINING ROOM LIGHTS (4)	-	2 #12	#12	B-2	
B-3	#12	2 #12	-	KITCHEN, OFFICE, RESTROOM LIGHTS (5)	L		265		20	1	B	1	20	1076		L	INTERIOR MENU BOARD & REMOTE ALERT LT	L-015	2 #10	#10	B-4	
B-5	#12	2 #12	-	COOLER/FREEZER LIGHTS (5)	L			800	20	1	C	1	20	0		-	SPARE	-	-	-	B-6	
B-7	#12	2 #12	-	LIGHTING CONTROL (1)	M	500			20	1	A	1	20	630		L	PARKING LIGHTING (2) (3)	-	2 #10	#10	B-8	
B-9	#10	2 #10	-	OUTSIDE LIGHTS (2)	L		1281		20	1	B	1	20	630		L	PARKING LIGHTING (2) (3)	-	2 #10	#10	B-10	
B-11	-	-	-	SPARE	-			0	20	1	C	1	20		1500		L	SHOW WINDOW	-	2 #12	#12	B-12
B-13	-	-	-	SPARE	-			0	20	1	A	1	20	1500		L	SHOW WINDOW	-	2 #12	#12	B-14	
B-15	#10	2 #10	-	MENU BOARD @ D/T (2)	L		500		20	1	B	1	20	840		L	PARKING LIGHTING	-	2 #10	#10	B-16	
B-17	-	-	-	SPARE	-			0	20	1	C	1	20	0		-	SPARE	-	-	-	B-18	
B-19	#12	2 #12	-	SHOW WINDOW	L	1200			20	1	A	1	20	0		-	SPARE	-	-	-	B-20	
B-21	-	-	-	SPACE	L		0		-	-	B	1	20	1200		L	SHOW WINDOW	-	2 #12	#12	B-22	
B-23	#12	2 #12	-	SHOW WINDOW	L			1200	20	1	C	1	20	1200		L	SHOW WINDOW	-	2 #12	#12	B-24	
B-25	#12	2 #12	-	SHOW WINDOW	L	1200			20	1	A	1	20	0		-	SPARE	-	-	-	B-26	
B-27	#10	2 #10	-	BUILDING SIGNS (2)	L		480		20	1	B	-	-	0		-	SPARE	-	-	-	B-28	
B-29	#10	2 #10	-	PYLON SIGN (2)	L			1200	20	1	C	-	-	0		-	SPARE	-	-	-	B-30	
B-31	#12	2 #10	-	SHOW WINDOWS	L	1200			20	1	A	-	-	0		-	SPARE	-	-	-	B-32	
B-33	#10	2 #10	-	BUILDING SIGNS (2)	L		1200		20	1	B	-	-	0		-	SPACE	-	-	-	B-34	
B-35	-	-	-	SPARE	-			0	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	-										

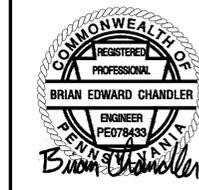
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NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS.



12.10.15

OWNERS COMMENTS 12.07.15

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CONTRACT DATE: 04.14.15

BUILDING TYPE: LIVE MAS - Large 50

PLAN VERSION: 06.08.15 -- REV 0

SITE NUMBER:

STORE NUMBER:

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

- 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.

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.

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.

DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.

CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.

E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".

PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.

EMT SHALL BE USED FOR ALL WIREWAYS (CONDUITS). ARMOR CABLE IS ALLOWED ONLY WHERE WIRE WAYS ARE EASILY ACCESSIBLE. FOR EXAMPLE: EMT INSIDE WALLS AND ABOVE HARD GYPSUM BOARD CEILINGS AND ARMOR CABLE ABOVE SUSPENDED CEILING SYSTEMS.

ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.

- 1 REFER TO ROOF PLAN.
- 2 INSTALL SURFACE MOUNTED IN CONDUIT RUNNING ON KITCHEN SIDE OF CABINETRY REAR WALL.
- 3 CONNECT DRY PRODUCTION EVO 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 DRY PRODUCT 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 JUNCTION BOX FOR WATER HEATER. COORDINATE WITH MECHANICAL CONTRACTOR.
- 6 INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
- 7 LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
- 8 PROVIDE J-BOXES FOR SLAT WALL LED POWER SUPPLIES ABOVE CEILING IN DINING ROOM. POWER SUPPLIES TO BE MOUNTED ABOVE CEILING.
- 9 ANSUL JBOX - LOCATE ABOVE CEILING.
- 10 PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
- 11 ABOVE CEILING FOR WALL MOUNTED HME. SEE 16/E3.1

- 12 PROVIDE JUNCTION BOX FOR HAND DRYERS. PROVIDE ALL REQUIRED DISCONNECTING MEANS PER THE NEC AND THE LOCAL AUTHORITY HAVING JURISDICTION. FIELD COORDINATE MOUNTING HEIGHT WITH OWNER.
- 13 PROVIDE A GFCI, WEATHERPROOF RECEPTACLE WITH AN IN USE MOISTURE PROOF COVER FOR FREEZER HEAT TAPE. COORDINATE LOCATION OF RECEPTACLE WITH OWNER AND FREEZER MANUFACTURER.
- 14 ICE MACHINES SHALL BE PROVIDED WITH TWO (2) 20 AMP CORDS. COORDINATE CORD TYPE AND LENGTH WITH ICE MACHINE MANUFACTURER.

POWER PLAN GENERAL NOTES **C**

KEY NOTES **B**

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

TACO BELL

US Route 220
 Township of Bedford, PA



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.

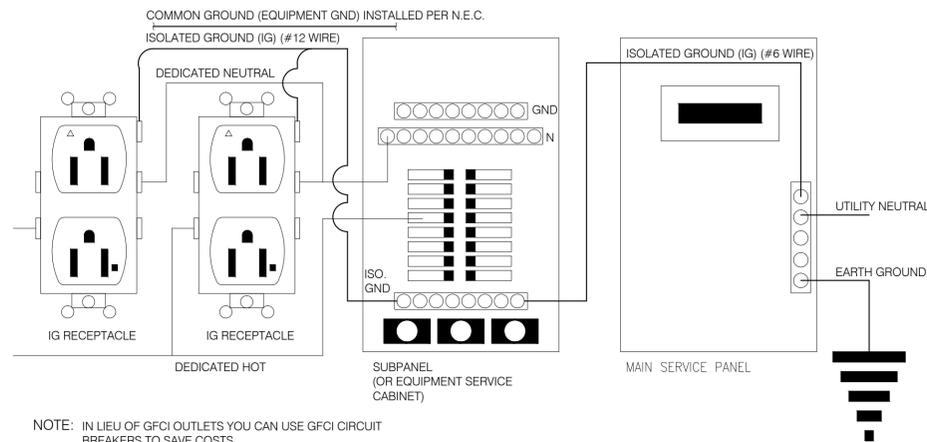
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

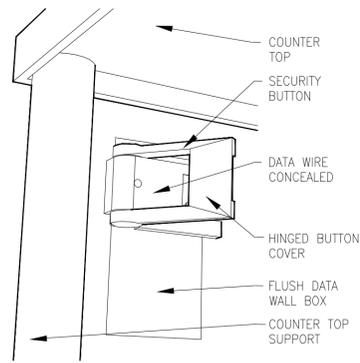
- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY 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.

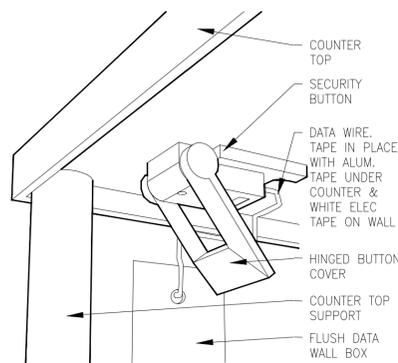
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE 'PHASE ALIGNED' WITH THE 'B' PHASE OF BUILDING SUBPANEL 'A'.



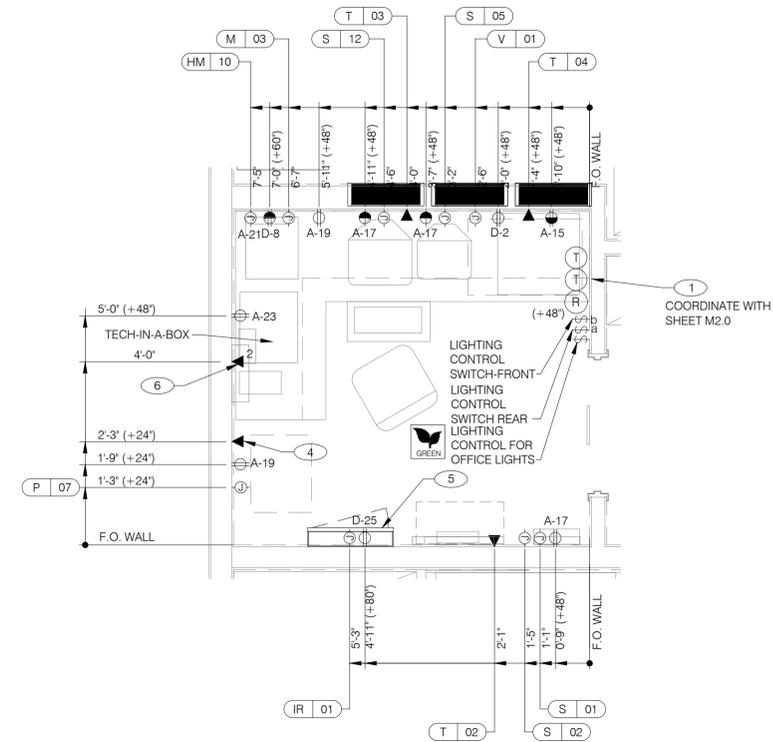
P.O.S. ISOLATED GROUND SYSTEM N.T.S. **14**



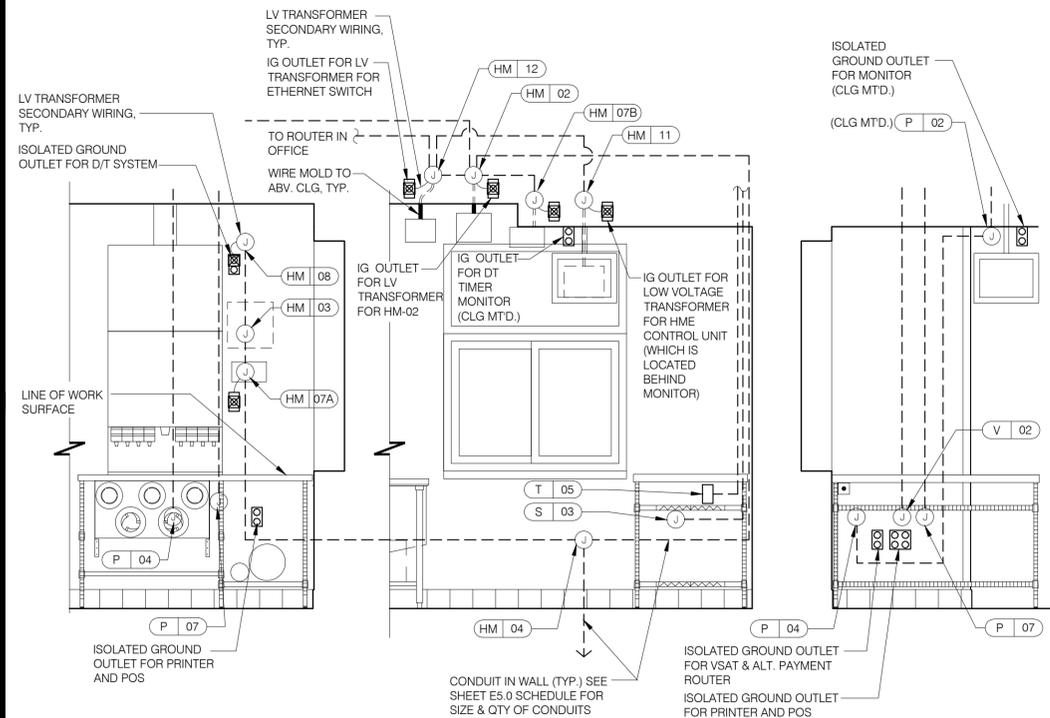
SECURITY BUTTON ON WALL N.T.S. **5**



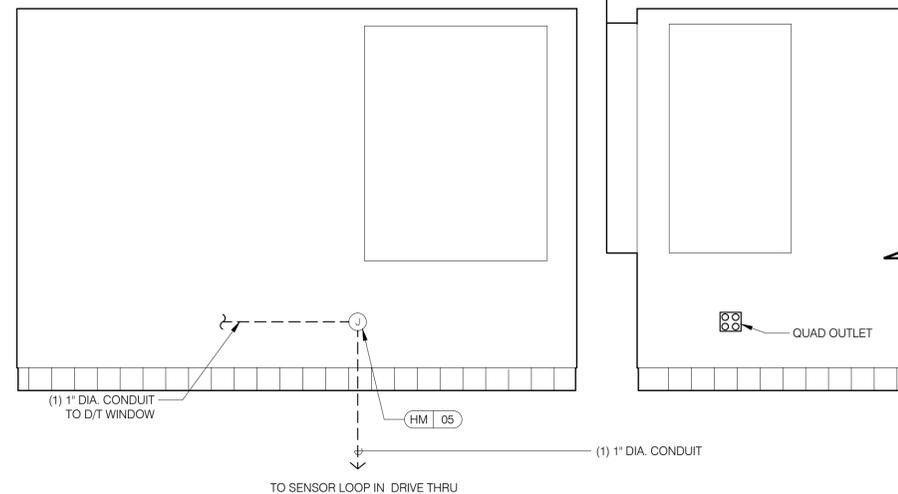
SECURITY BUTTON UNDER COUNTER N.T.S. **6**



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



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



ENLARGED INTERIOR ELEVATION (PRE-PAY) WINDOW 1/2" = 1'-0" **8**

- 1 THERMOSTAT CONTROLS
- 2 NOT USED.
- 3 NOT USED.
- 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**

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12.10.15

CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 - REV O
 SITE NUMBER:
 STORE NUMBER:

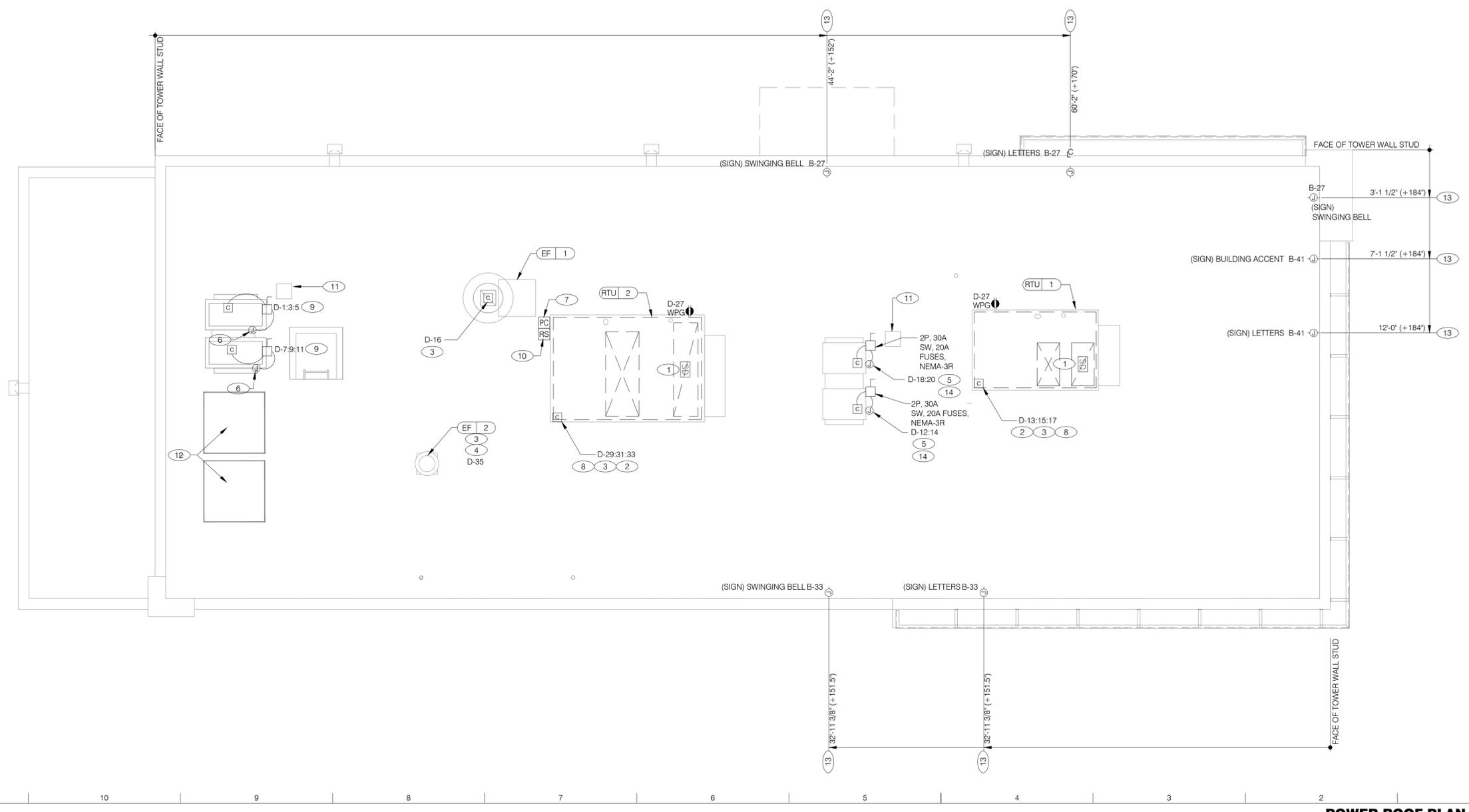
TACO BELL
 US Route 220
 Township of Bedford, PA



ENLARGED POWER PLAN AND DETAILS

E3.1

PERMIT PLOT DATE:



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

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CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV O
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



POWER ROOF PLAN
E3.2

PERMIT PLOT DATE:

- 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.** ALL OUTLETS AND J-BOXES BEHIND SIGNAGE SHALL BE RECESSED AND FLUSH WITH BUILDING FINISH SURFACE.
- K.** ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE.

- 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 TRANE 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 REOD 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** RTUS 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 DETAIL 9 /A6.0.
- 12** PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK.
- 13** COORDINATE LOCATION OF J-BOX WITH SIGN VENDOR. SEE SCOPE OF WORK.

14 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF AND THE EVAPORATOR IN THE ICE MACHINE AS REQUIRED. REFER TO THE MANUFACTURERS SHOP DRAWINGS FOR EXACT INSTALLATION AND INTERCONNECTION REQUIREMENTS PRIOR TO ROUGH-IN INSTALLATION.

NOT USED **F**

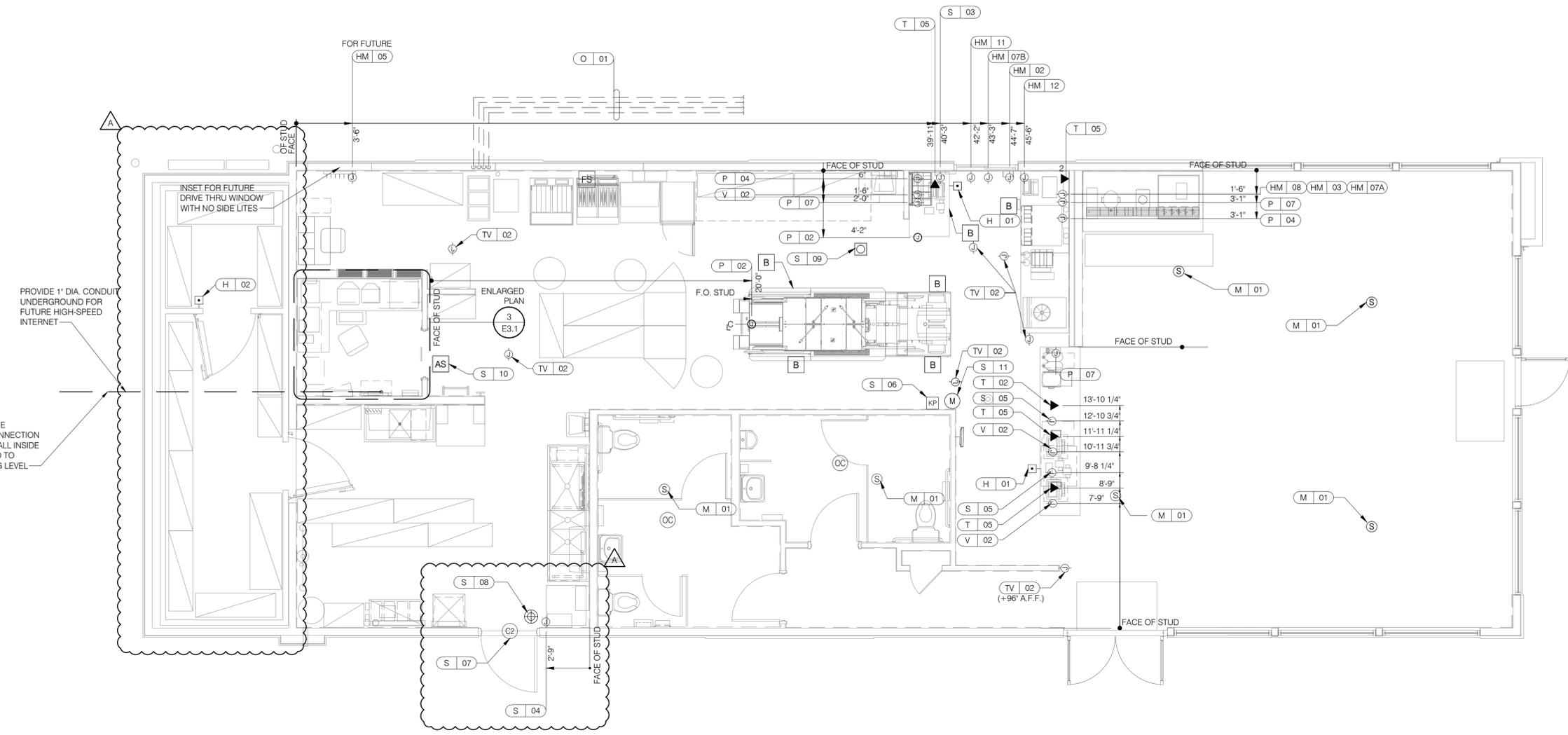
NOT USED **E**

POWER ROOF PLAN NOTES **D**

KEY NOTES **B**



12.10.15



PROVIDE 1" DIA. CONDUIT UNDERGROUND FOR FUTURE HIGH-SPEED INTERNET

2" C.O. FROM TELEPHONE COMPANY POINT OF CONNECTION (UNDERGROUND). INSTALL INSIDE REAR WALL AND EXTEND TO ABOVE KITCHEN CEILING LEVEL

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

OWNERS COMMENTS 12.07.15

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COMMUNICATIONS LEGEND **D**

□ HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)	⊕ DOOR CONTACT
⊙ MUSIC SYSTEM SPEAKERS	⊕ DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
⊙ SECURITY STROBE	⊕ "SOUND ALERT" DEVICE
⊙ J-BOX	⊕ KEYPAD (MTD AT 48" A.F.F.)
◀ 2" x 4" J-BOX W/ DATA PORTS	⊕ ALARM SIREN ABOVE CLG
⊙ MOTION DETECTOR	⊕ BUMP PAD (MOUNT AT FRONT COUNTER)
⊙ OCCUPANCY SENSOR. CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0	⊕ HOOD FIRE SUPPRESSION SYSTEM PULL STATION
⊕ TECH-IN-A-BOX	

COMMUNICATIONS NOTES **E**

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, TELEPHONE SYSTEM, MUSIC SYSTEM, 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.

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H 01	UNDER COUNTER HOLD-UP BUTTON		INSTALL 3045 CTW PART. SEE DETAIL 6/E3.1
H 02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	2X4 J-BOX FLUSH MOUNTED IN WALK-IN WALL BY COOLER MANUFACTURER WITH 1/2" CONDUIT TO OUTSIDE OF COOLER NEAR KITCHEN CEILING. SECURITY SYSTEM INSTALLER TO INSTALL HOLD-UP BUTTON FACING DOWN AND RUN WIRING. SEE DETAIL 5/E3.1
HM 01	NOT USED		
HM 02	D/T TIMER SIGNAL PROCESSOR J-BOX	+114" 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 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	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X4 J-BOX W/ 1" CONDUITS TO PRE-PAY WINDOW D/T LOOP & D/T WINDOW J-BOX HM-04. SEE DET. 8/E3.1.
HM 07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 AND (1) 1" C TO HM-04. SEE DET. 16/E3.1.
HM 07B	D/T TIMER DISPLAY J-BOX	+108" 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	+108" 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	RECESSED CEILING SPEAKERS, COLOR - BLACK	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 / DRIVE THRU MONITOR J-BOX.
P 04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-02
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.
S 02	J-BOX SECURITY SYSTEM	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01.

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S 03	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE. SEE ELEVATION 8/E3.1.
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	+90" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (7 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**

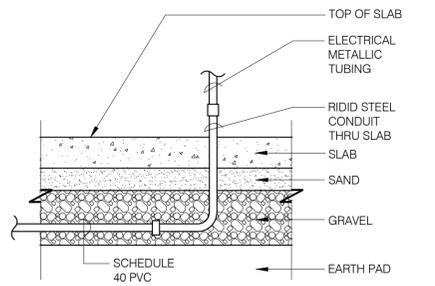
CONTRACT DATE: 04.14.15
 BUILDING TYPE: LIVE MAS -Large 50
 PLAN VERSION: 06.08.15 -- REV 0
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 US Route 220
 Township of Bedford, PA



COMMUNICATIONS PLAN
E5.0

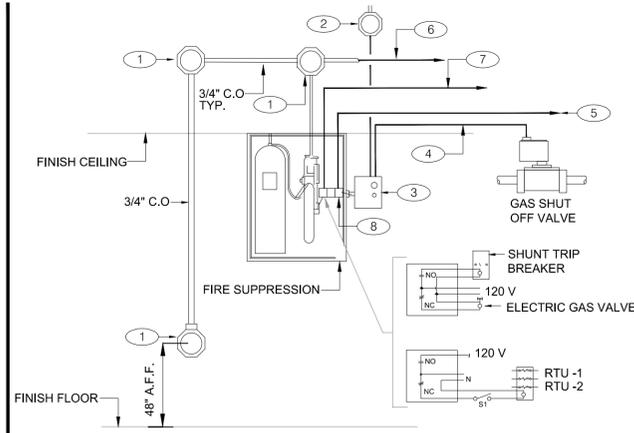
PERMIT PLOT DATE:



NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

YES001

UNDER SLAB CONDUIT N.T.S. **17**



FIRE SUPPRESSION SYSTEM WIRING DIAGRAM N.T.S. **9**

GENERAL NOTES:

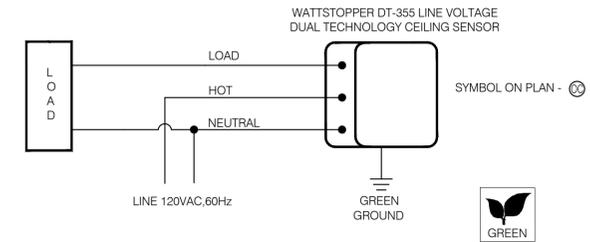
1. REFER TO SHEET M3.0
- KEY NOTES:**
- 1 PROVIDE 4" OCTAGONAL J-BOX.
 - 2 PROVIDE J-BOX, AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. INTERCONNECT TO MANUAL RESET RELAY THROUGH MICROSWITCH.
 - 3 MANUAL RESET RELAY FURNISHED WITH UNIT INSTALLED BY E.C.
 - 4 PROVIDE 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.

NOT USED N.T.S. **1**

NOT USED N.T.S. **18**

NOT USED N.T.S. **14**

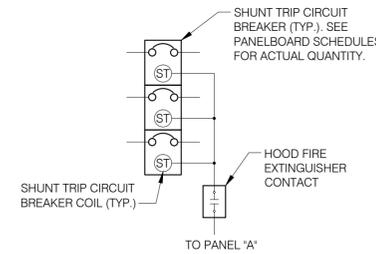
NOT USED N.T.S. **10**



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

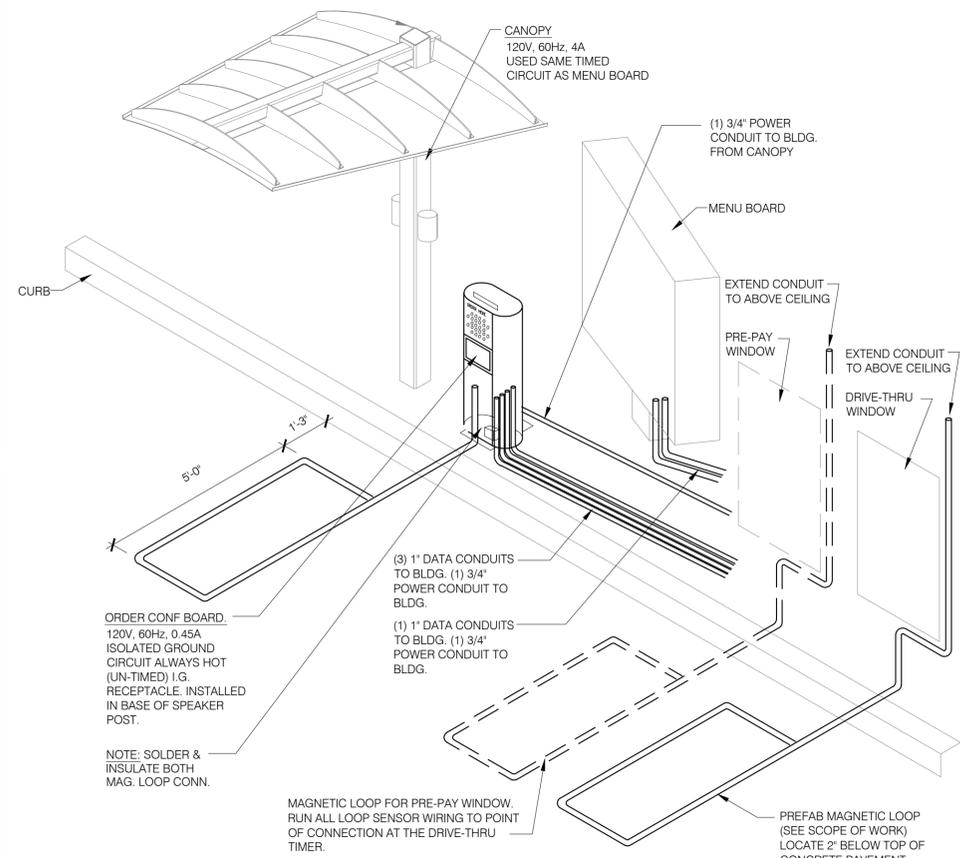
NOT USED N.T.S. **19**

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**



ORDER CONF BOARD.
120V, 60Hz, 0.45A
ISOLATED GROUND
CIRCUIT ALWAYS HOT
(UN-TIMED) I.G.
RECEPTACLE, INSTALLED
IN BASE OF SPEAKER
POST.

NOTE: SOLDER &
INSULATE BOTH
MAG. LOOP CONN.

MAGNETIC LOOP FOR PRE-PAY WINDOW.
RUN ALL LOOP SENSOR WIRING TO POINT
OF CONNECTION AT THE DRIVE-THRU
TIMER.

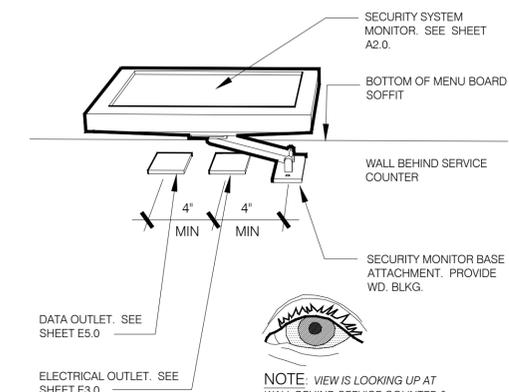
PREFAB MAGNETIC LOOP
(SEE SCOPE OF WORK)
LOCATE 2" BELOW TOP OF
CONCRETE PAVEMENT.

YES006A

DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. **4**

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

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



NOTE: VIEW IS LOOKING UP AT
WALL BEHIND SERVICE COUNTER &
BOTTOM OF MENU BOARD SOFFIT.

POWER/DATA @ SECURITY MONITOR N.T.S. **12**

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12.10.15



CONTRACT DATE: 04.14.15
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 06.08.15 - REV 0
SITE NUMBER:
STORE NUMBER:

TACO BELL
US Route 220
Township of Bedford, PA



**ELECTRICAL
DETAILS
E7.0**

PERMIT PLOT DATE: