

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

GENERAL DRAWING SYMBOLS

- A. ALL WORK SHALL CONFORM TO THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF HARRISON TOWNSHIP, ALLEGHENY COUNTY AND THE STATE OF PENNSYLVANIA.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY PREPARED BY THE EADS GROUP.
- E. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- F. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE CHARTER FOODS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- G. RETAIN, AS NECESSARY, A GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- H. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM! BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- I. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- J. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- K. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- L. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION
- M. GENERAL CONTRACTOR TO HAVE COMPLETE EQUIPMENT / FURNITURE / SIGN CUT SHEETS AND DELIVERY SCHEDULE ON SITE AT ALL TIMES.

GOVERNING CODES

BUILDING	IBC 2009
STRUCTURAL	IBC 2009
PLUMBING	IPC 2009
MECHANICAL	IMC 2009
ELECTRICAL	IBC 2009 (NEC 2008)
LIFE SAFETY	IFC 2009
ACCESSIBILITY	IBC 2009 (ANSI A117.7-2009)
ENERGY	IECC 2009
GAS	IFGC 2009

CODE CHAPTER CHAPTER HEADING

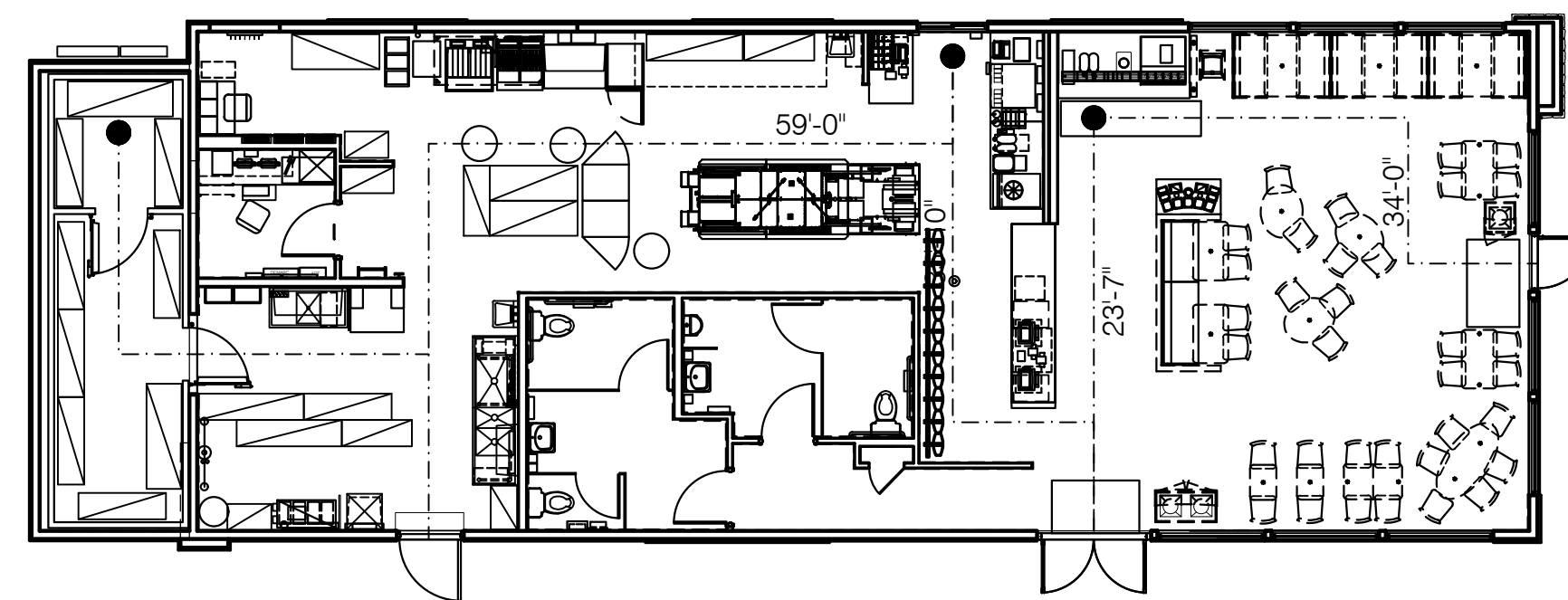
3	Use and Occupancy Classification 303.1 A-2 Restaurants
4	Special Detailed Requirements Based on Use and Occupancy Not Applicable
5	General Building Heights and Areas Use Group A-2 and Type of Construction VB permits 1 story, 40 feet above grade at 6,000 sf.
6	Types of Construction Table 601 - VB
7	Fire Resistance-Rated Construction
8	Interior Finishes 803 Wall and Ceiling Finishes
9	Fire Protection Systems n/a
10	Means of Egress Table 1004.1.1 Maximum Floor Area Allowances per Occupant

Use Group	Occupancy Factor	SqFt	Occupancy
A	1004.7 Fixed Seats	900	50
Kitchen	200 gross	1100	6
N/A	0 (toilets/circulation)	400	0
Totals			56 Occupants

1005.1 Egress Width Occupant Load X 0.2 = 56X0.2 = 11.2 in (108 in provided)
Table 1016.1 Exit Access Travel Distance Without Sprinkler System = 200 ft (59 ft maximum)
1019 Exits 1-500 Occupants = 2 exits (3 provided)

13 Energy Efficiency
COMcheck Compliance Certificates Included in Permit Submittal

CODE REVIEW



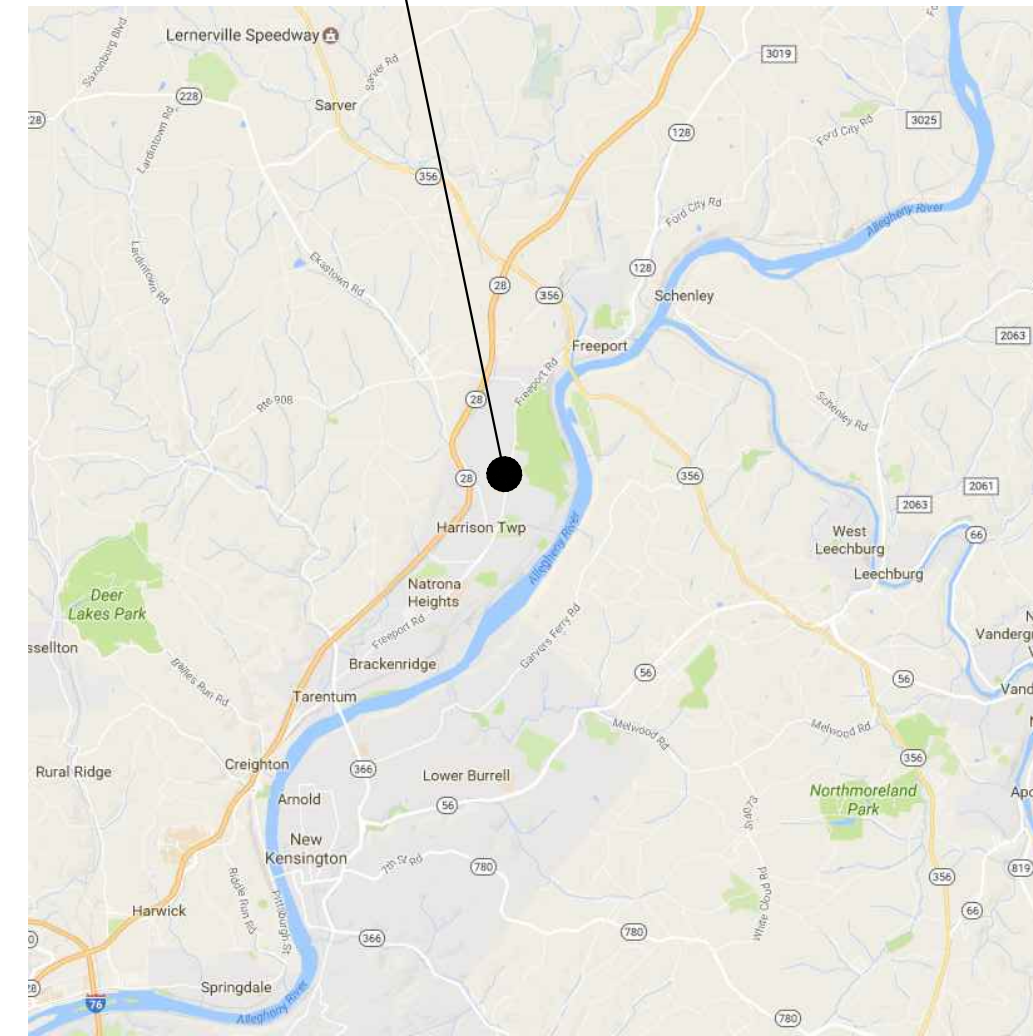
EGRESS PLAN

TACO BELL

Drive-Thru Restaurant
Large 50R - Live Más Site
TBD Freeport Road,
Natrona Heights, PA 15065



TACO BELL



VICINITY MAP

BUILDING AREA:	2,558 SF
BUILDING HEIGHT:	22'-1" - TOP OF TOWER
SEATING:	50 (5% ACCESSIBLE = 3)
PARKING:	36 ON SITE (2 ACCESSIBLE)
# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208
GAS:	1,248,000 BTUH

PROJECT SUMMARY

OWNER Charter Foods PO Box 430 Talbott, TN 37877 Contact: Wayne Ferguson 423.587.0690	ARCHITECT Kathleen Day, Architect 8535 Ferry Road Waynesville, OH 45068 617.331.2545 kathleendayarchitect@gmail.com
CONSTRUCTION MANAGER Charter Foods PO Box 430 Talbott, TN 37877 Contact: Bob Rave 423.587.0690	STRUCTURAL ENGINEER Trav Sweatman 972.849.2987
CIVIL ENGINEER The EADS Group 15392 Route 322 Clarion, PA 16214 814.764.5050 Contact: David Neill, P.E.	MECH. / ELEC. ENGINEER Brian Edward Chandler, P.E. 1431 Greenway Drive Irving, TX 75038 972.870.1288

PROJECT DIRECTORY

TITLE/CODE

TITLE/CODE	PERMIT AND BID - 02.03.17	REV/A - 04.14.17	REV/B - 04.27.17	REV/C - 05.03.17	REV/D - 05.04.17	REV/E - 05.09.17	REV/F - 05.19.17	REV/G - 05.31.17
T1.0 TITLE SHEET AND CODE REVIEW	X						X	X
CIVIL								
COVER COVER	X							
C1 EXISTING SITE PLAN	X							
C2 DEMOLITION PLAN	X							
C3 PROPOSED SITE PLAN	X				X	X		
E51 EROSION AND SEDIMENT CONTROL PLAN	X							
E52 EROSION AND SEDIMENT CONTROL DETAILS	X							
PCSM1 PROPOSED CONSTRUCTION STORMWATER MANAGEMENT PLAN	X							
PCSM2 PROPOSED CONSTRUCTION STORMWATER MANAGEMENT DETAILS	X							
GP PROPOSED GRADING PLAN	X							
SITE DETAILS								
SD0.0 LANDSCAPE PLAN AND DETAILS	X	X	X				X	
SD1.0 SITE DETAILS	X		X	X			X	
SD2.0 SITE DETAILS	X							
STRUCTURAL								
S1.0 FOUNDATION PLAN	X							
S2.0 WALL FRAMING PLAN	X							
S3.0 ROOF FRAMING PLAN	X							
S4.0 FOUNDATION DETAILS	X							
S4.0A STRUCTURAL DETAILS	X							
S4.1 STRUCTURAL DETAILS	X							
S4.2 STRUCTURAL DETAILS	X							
S4.3 STRUCTURAL DETAILS	X							
S4.3 CANOPY / AWNING ELEVATIONS	X							
ARCHITECTURAL								
A1.0 FLOOR PLAN	X							
A1.1 DOOR & WINDOW TYPES & SCHEDULES	X							
A2.0 EQUIPMENT AND SEATING PLAN	X	X					X	
A2.1 EQUIPMENT SCHEDULE	X							
A3.0 ROOF PLAN	X							
A4.0 EXTERIOR ELEVATIONS	X			X		X		
A4.1 EXTERIOR ELEVATIONS	X			X		X		
A5.0 WALL SECTIONS	X							
A5.1 WALL SECTIONS	X							
A5.2 WALL SECTIONS	X							
A6.0 CONSTRUCTION DETAILS - ROOF	X							
A6.1 CONSTRUCTION DETAILS - DOOR / WINDOW	X							
A6.2 CONSTRUCTION DETAILS - WALLS	X							
A6.3 CONSTRUCTION DETAILS - WALL	X							
A6.4 CONSTRUCTION DETAILS - INTERIOR	X							
A7.0 FLOOR FINISH PLAN	X							
A7.1 REFLECTED CEILING PLAN	X	X						
A7.2 FINISH SCHEDULE	X							
A8.0 INTERIOR ELEVATIONS - DINING ROOM	X							
A8.1 INTERIOR ELEVATIONS, ENLARGED RESTROOM & OFFICE PLAN	X						X	
A8.2 INTERIOR ELEVATIONS - KITCHEN	X							
A8.3 INTERIOR ELEVATIONS - KITCHEN	X						X	
ACCESSIBILITY								
ADA1.0 ACCESSIBILITY REQUIREMENTS	X						X	
ADA1.1 ACCESSIBILITY REQUIREMENTS	X						X	
MECHANICAL								
M1.0 MECHANICAL SCHEDULES AND NOTES	X							
M2.0 DUCT AND DIFFUSER PLAN	X							
M3.0 HOOD DRAWINGS - PLANS AND SECTIONS	X							
M4.0 MECHANICAL AND HOOD DETAILS	X							
PLUMBING								
P1.0 PLUMBING SCHEDULES AND NOTES	X							
P2.0 WASTE AND VENT PLAN	X							
P3.0 WATER AND GAS PLAN	X							
P4.0 PLUMBING ROUGH-IN PLAN	X							
P5.0 RISER DIAGRAMS	X							
P6.0 PLUMBING DETAILS	X							
ELECTRICAL								
E1.0 SITE ELECTRICAL PLAN	X							X
E1.1 SITE PHOTOMETRIC PLAN	X							
E2.0 RISER DIAGRAM AND LEGEND	X							
E2.1 PANEL SCHEDULES AND LOAD SUMMARY	X						X	
E3.0 POWER FLOOR PLAN	X							
E3.1 ENLARGED POWER PLAN AND DETAILS	X							
E3.2 POWER ROOF PLAN	X							
E4.0 LIGHTING PLAN AND SCHEDULE	X							
E5.0 COMMUNICATIONS PLAN	X							
E6.0 ELECTRICAL DETAILS	X							
E7.0 ELECTRICAL DETAILS	X							
SPECIFICATIONS								
IN BOOK FORMAT	X							
SCOPE OF WORK ~ FOR REFERENCE ONLY								
IN BOOK FORMAT - GC TO HAVE COPY ON SITE AT ALL TIMES	X							

SHEET INDEX

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kathleendayarchitect@gmail.com



- △ YUM! COMMENTS ~ 04.14.17
- △ MONUMENT ~ 04.27.17
- △ PLANNING ~ 05.03.17
- △ NIRA COMMENTS ~ 05.04.17
- △ SIGN CHANGE ~ 05.09.17
- △ CITY COMMENTS ~ 05.19.17
- △ MONUMENT ~ 05.31.17

CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 ~ REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



TITLE SHEET AND CODE REVIEW

T1.0

PERMIT PLOT DATE:

TRINITY HOLDINGS, LLC TACO BELL 4009 FREEPORT ROAD NATRONA HEIGHTS, PA HARRISON TOWNSHIP ALLEGHENY COUNTY FINAL LAND DEVELOPMENT PLANS

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TRINITY HOLDINGS, LLC
PO BOX 430
TALBOTT, TN 37877
865-919-6851

HARRISON TOWNSHIP
ALLEGHENY COUNTY
TACO BELL
FINAL PLAN

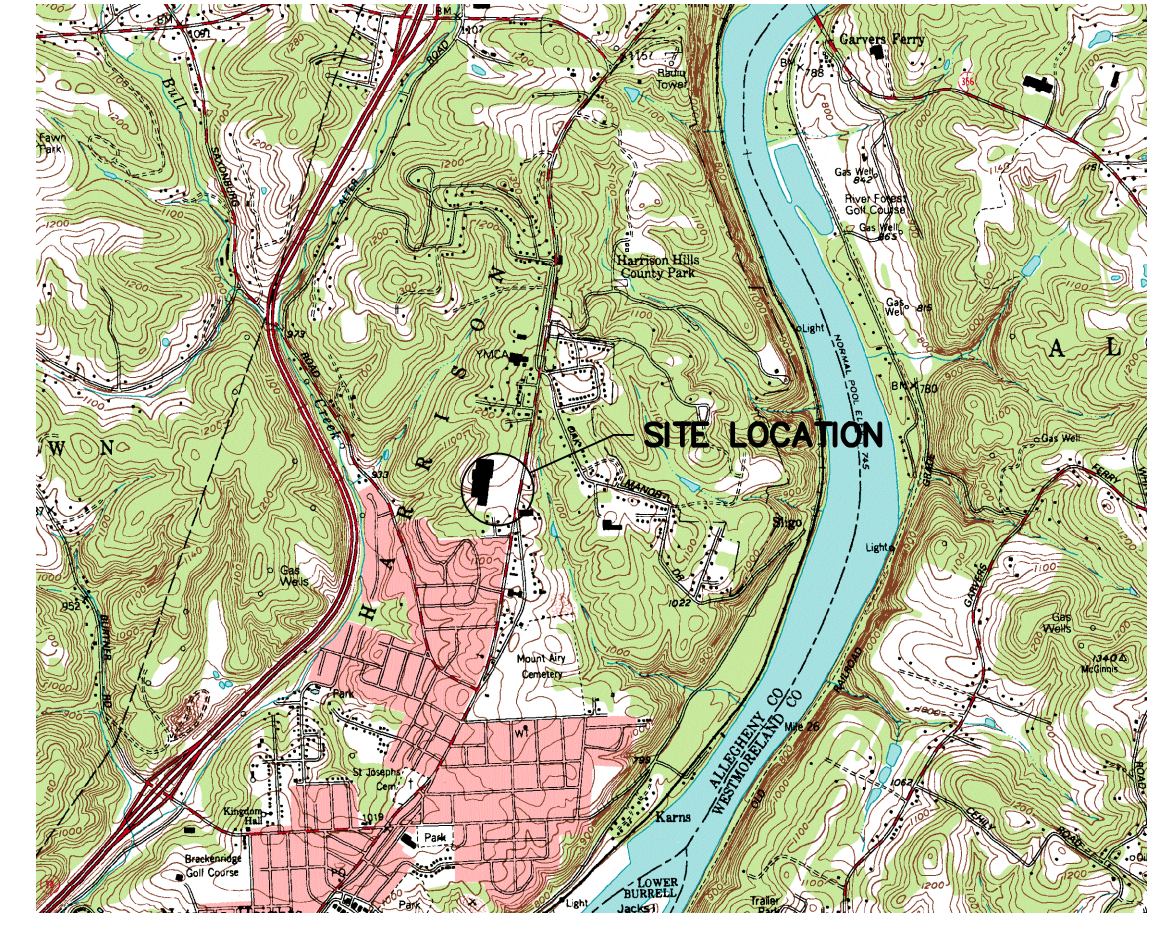
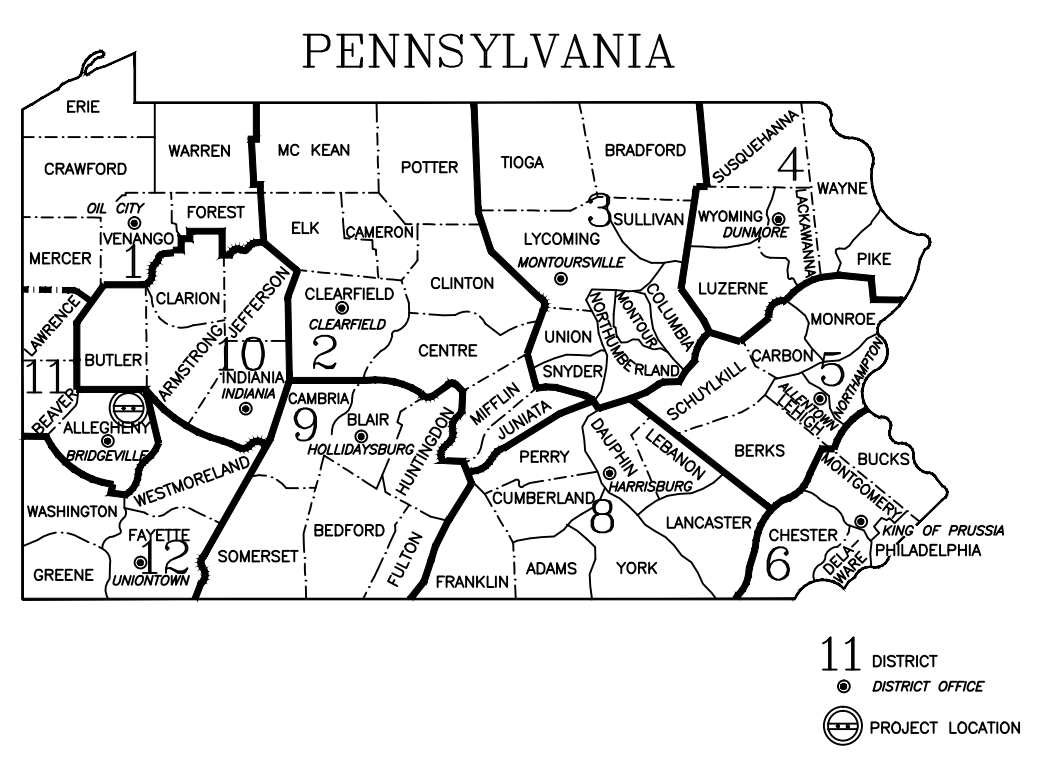


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NOTES:
 1) EXISTING SITE USE IS COMMERCIAL. PROPOSED USE OF SITE IS COMMERCIAL (DRIVE THROUGH RESTAURANT).



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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS 50
 PLAN VERSION:
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 APPROX. 4009 FREEPORT RD
 NATRONA HEIGHTS, PA 15065



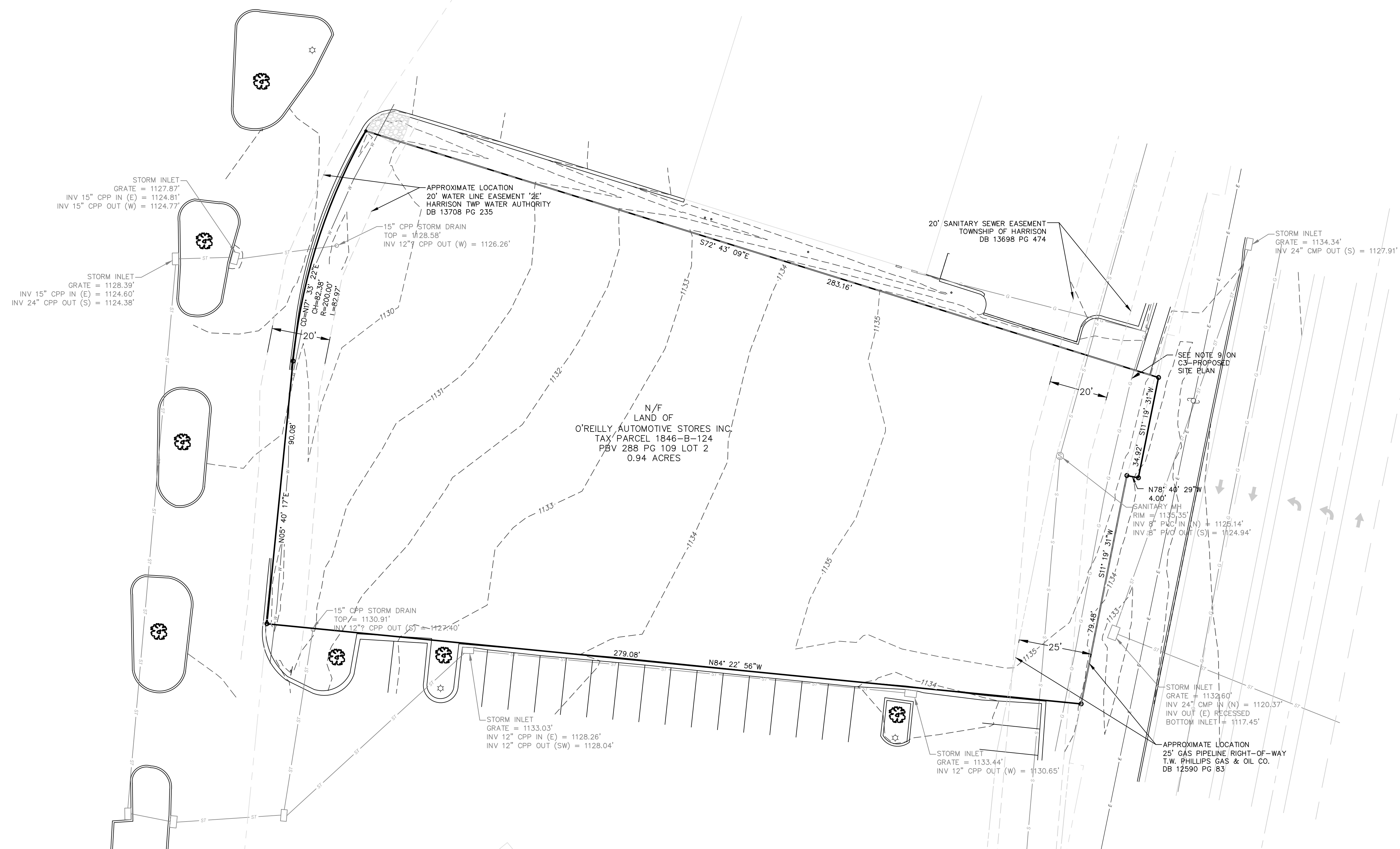
COVER
 PERMIT PLOT DATE: 3-28-17



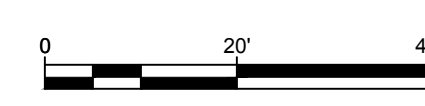
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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS 50
 PLAN VERSION:
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 APPROX. 4009 FREEPORT RD
 NATRONA HEIGHTS, PA 15065



- 1420 --- EXISTING CONTOURS
- BUILDING SETBACKS
- PROPERTY LINES
- RIGHT OF WAY
- E --- EXISTING UTILITY POLE, OVERHEAD LINE & GUY WIRE
- S --- EXISTING SANITARY SEWER
- G --- EXISTING GAS LINE
- EXISTING CURB
- ST --- EXISTING STORM WATER PIPE
- EXISTING STORM WATER INLETS
- W --- EXISTING MUNICIPAL WATER LINE
- EXISTING PIPE
- ⊗ EXISTING ANGLE IRON
- SURVEY CORNER (NOT SET)
- ⊠ MAG NAIL
- FEMA 100 YEAR STORM FLOOD PLAIN LIMIT



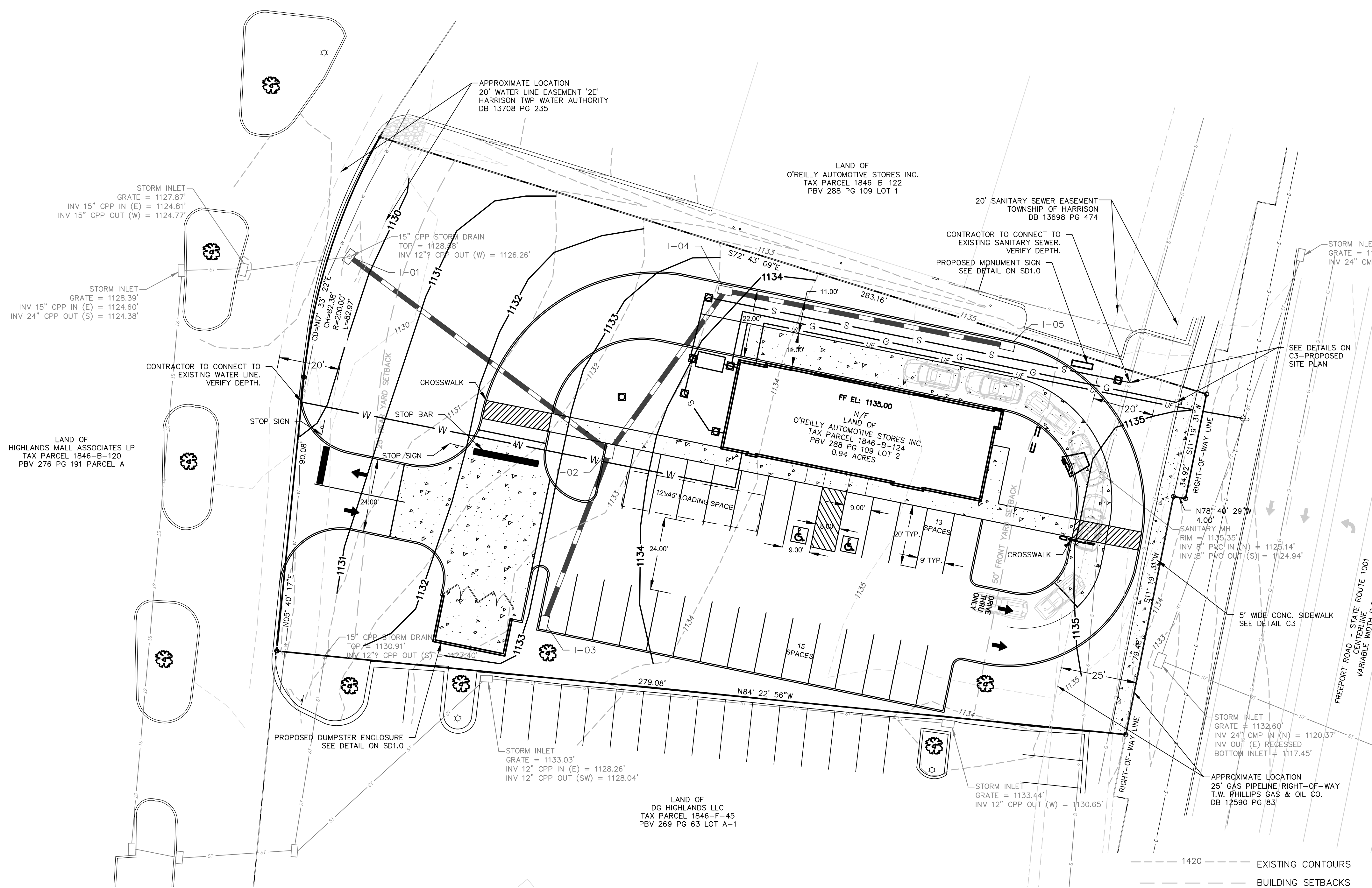


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 15392 ROUTE 322
 CLARION, PA. 16214
 Phone: 814-764-5050
 Fax: 814-764-5055
 www.eadsgroup.com

▲	5-4-17 NIRA COMMENTS
▲	5-9-17 SIDEWALK
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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS 50
 PLAN VERSION:
 SITE NUMBER:
 STORE NUMBER:

TACO BELL
 APPROX. 4009 FREEPORT RD
 NATRONA HEIGHTS, PA 15065

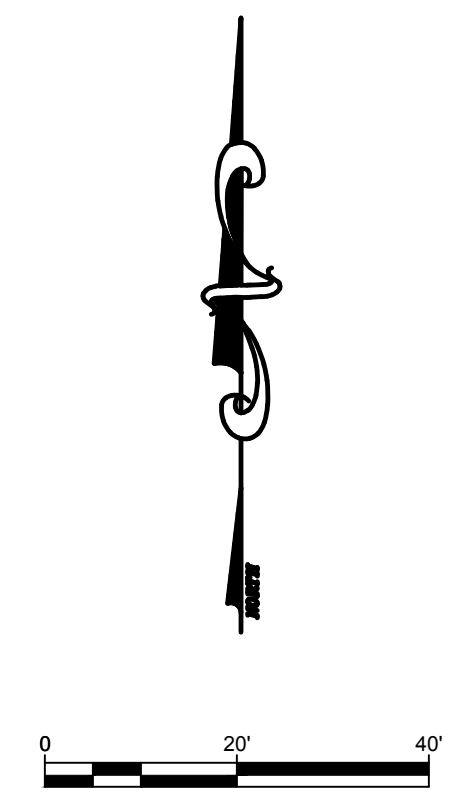
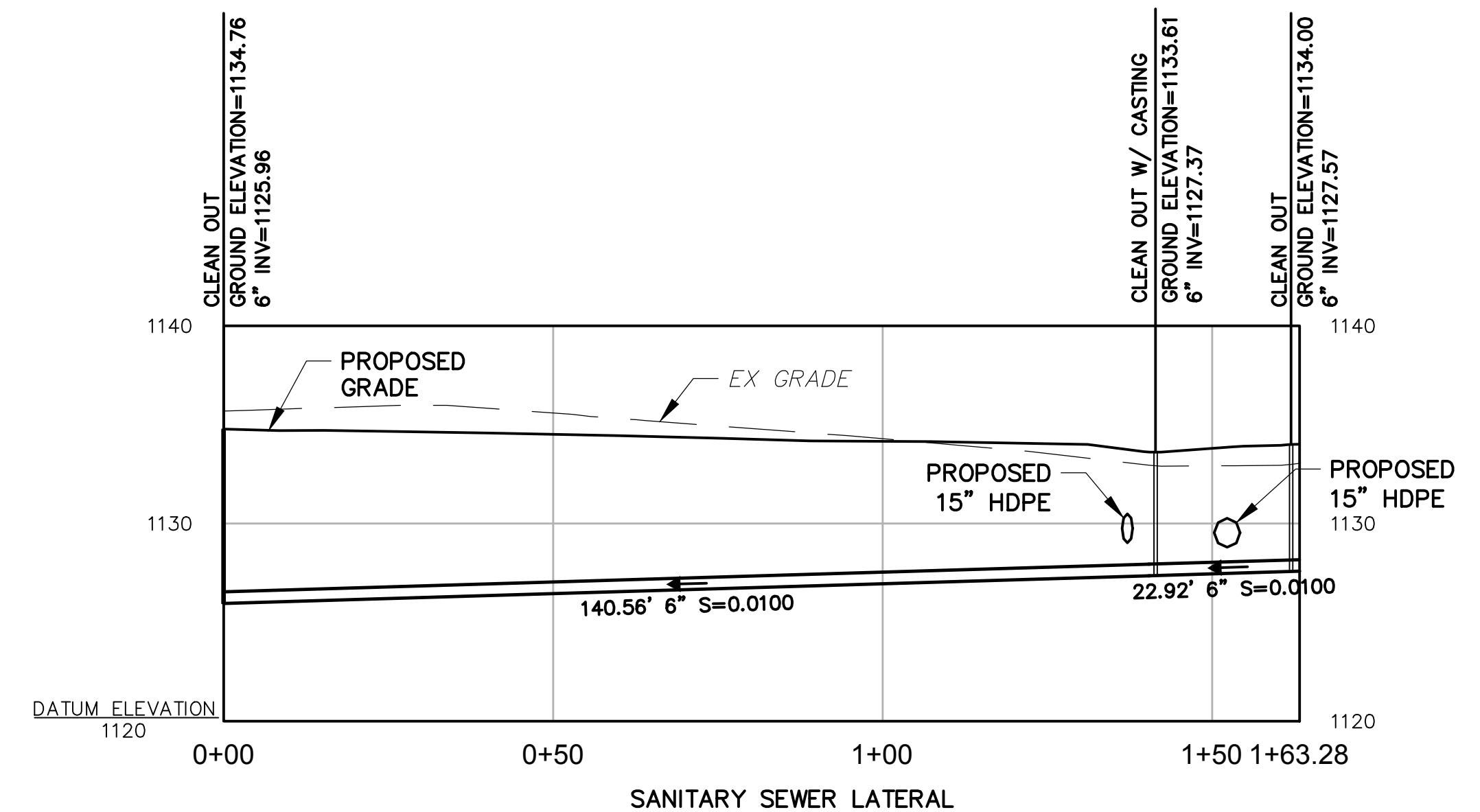


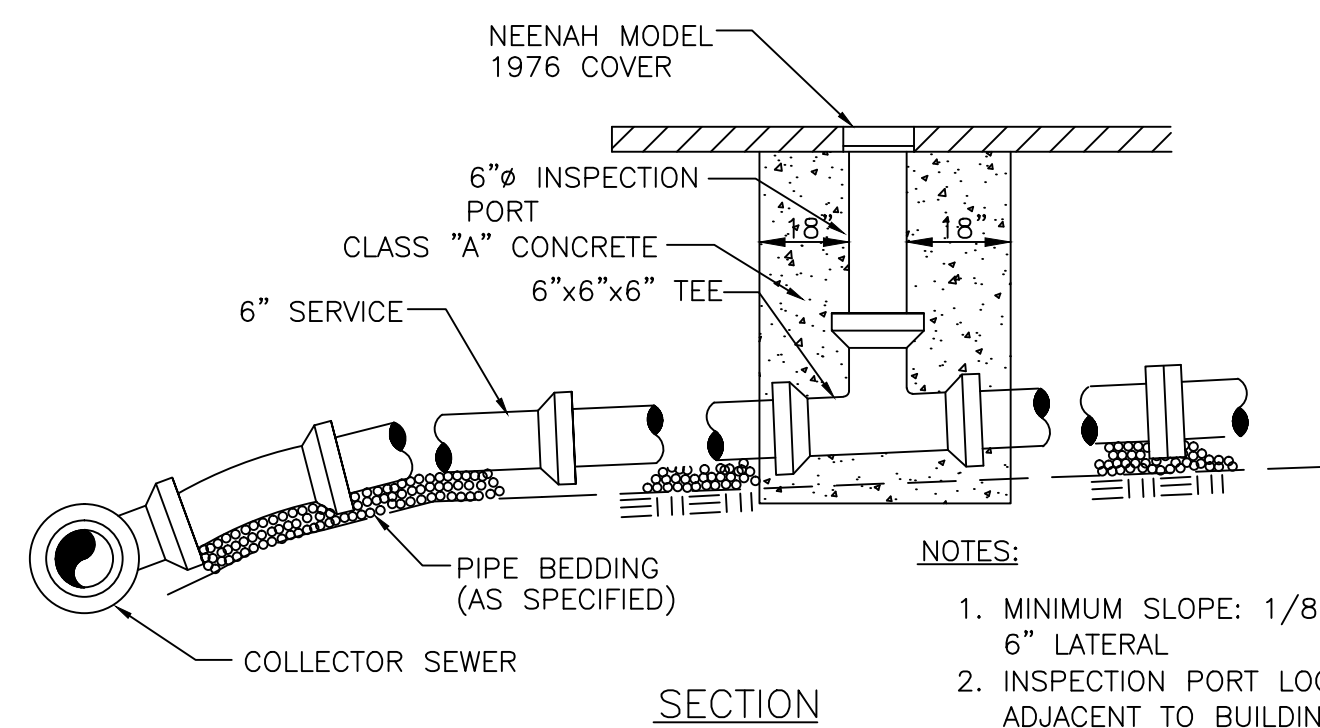
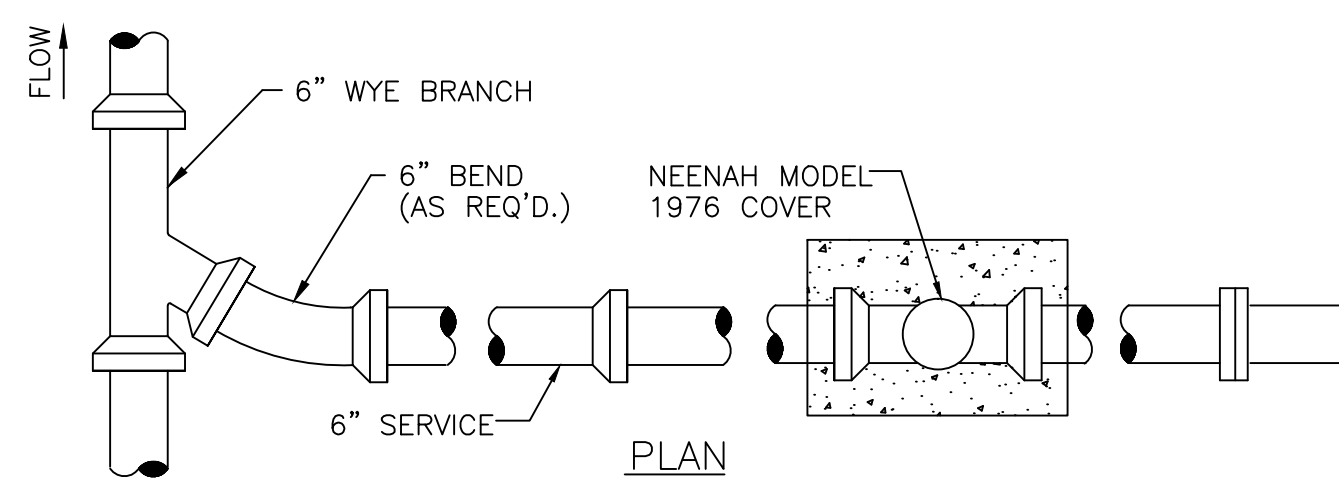
- NOTES:
- 1) ALL SPOT ELEVATIONS ARE TO FINISHED ASPHALT OR CONCRETE, UNLESS OTHERWISE NOTED.
 - 2) BOTTOM OF CURB SPOT ELEVATIONS ARE LABELED BC.
 - 3) ALL SIDEWALKS AND RAMPS MUST BE INSTALLED IN COMPLIANCE WITH 2011 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY, PUBLISHED IN THE FEDERAL REGISTER FOR PUBLIC COMMENT ON JULY 26, 2011 OR AS AMENDED.
 - 4) ANY LIGHTING USED TO ILLUMINATE OFF-STREET PARKING OR LOADING SHALL BE ARRANGED SO AS NOT TO REFLECT GLARE ON ADJOINING PROPERTIES AND THOROUGHFARES.
 - 5) ACCESS IS GRANTED TO ALL STORMWATER MANAGEMENT FACILITIES TO HARRISON TOWNSHIP.
 - 6) PLANS NOT FOR CONSTRUCTION
 - 7) EXISTING TOPOGRAPHIC SURVEY COMPLETED BY THE EADS GROUP. CONTRACTOR TO NOTIFY OWNER IF ERRORS IN SURVEY ARE DETECTED.
 - 8) SEWAGE TREATED BY CONNECTING TO EXISTING PUBLIC SYSTEM. ESTIMATED QUANTITY OF SWAGE IS 800 GPD.
 - 9) CONTRACTOR TO VERIFY DEPTH AND COORDINATE WITH UTILITY PROVIDER TO DETERMINE IF EXISTING LINE IS ABLE TO BE RE-USED.
 - 10) ALL PAVEMENT MARKINGS FOR TRAFFIC CONTROL TO BE WHITE IN COLOR. STOP BAR TO BE 24" WIDE
 - 11) THE CONTRACTOR SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.
 - 12) LOADING SPACE SHOWN TO BE USED DURING OFF-PEAK HOURS OR HOURS WHEN BUSINESS IS CLOSED.

---	1420	EXISTING CONTOURS	---	1415	PROPOSED CONTOURS
---		BUILDING SETBACKS	---	W	PROPOSED WATER
---		PROPERTY LINES	---	S	PROPOSED SANITARY SEWER LINE
---		RIGHT OF WAY	---	□	PROPOSED STORM WATER INLETS
---		EXISTING UTILITY POLE, OVERHEAD LINE & GUY WIRE	---	---	PROPOSED STORM WATER PIPE ALL STORM WATER PIPING TO BE HDPE (ADS N-12 OR EQUIVALENT)
---		EXISTING SANITARY SEWER	---	G	PROPOSED CURB
---		EXISTING GAS LINE	---	RD	PROPOSED GASLINE
---		EXISTING CURB	---	---	ROOF DRAIN CONNECTION
---		EXISTING STORM WATER PIPE	---	---	HANDICAP ACCESSIBLE PARKING
---		EXISTING STORM WATER INLETS	---	1421.0 x	PROPOSED SPOT ELEVATIONS
---		EXISTING MUNICIPAL WATER LINE	---	---	PROPOSED UNDERGROUND ELECTRIC
---		EXISTING PIPE	---	---	CONCRETE PAVING
---		EXISTING ANGLE IRON	---	---	EXISTING GUIDE RAIL
---		SURVEY CORNER (NOT SET)			
---		MAG NAIL			
---		PROPOSED SANITARY CLEAN OUT			
---		FEMA 100 YEAR STORM FLOOD PLAIN LIMIT			

PARKING CALCULATIONS
 ONE SPACE PER 200 SQFT.
 PROPOSED BUILDING AREA - 2,574 SQFT
 PARKING REQUIRED - 13 SPACES = 2574 SQFT/200 SQFT
 PARKING PROVIDED - 28 SPACES
 SIGNS AND PAVEMENT MARKINGS TO COMPLY WITH CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

ZONING: GENERAL COMMERCIAL
 MINIMUM SETBACKS: FRONT: 50'
 SIDE: NONE
 REAR: 25'
 MAXIMUM BUILDING HEIGHT: 45 FT
 PROPOSED BUILDING HEIGHT: 23 FT

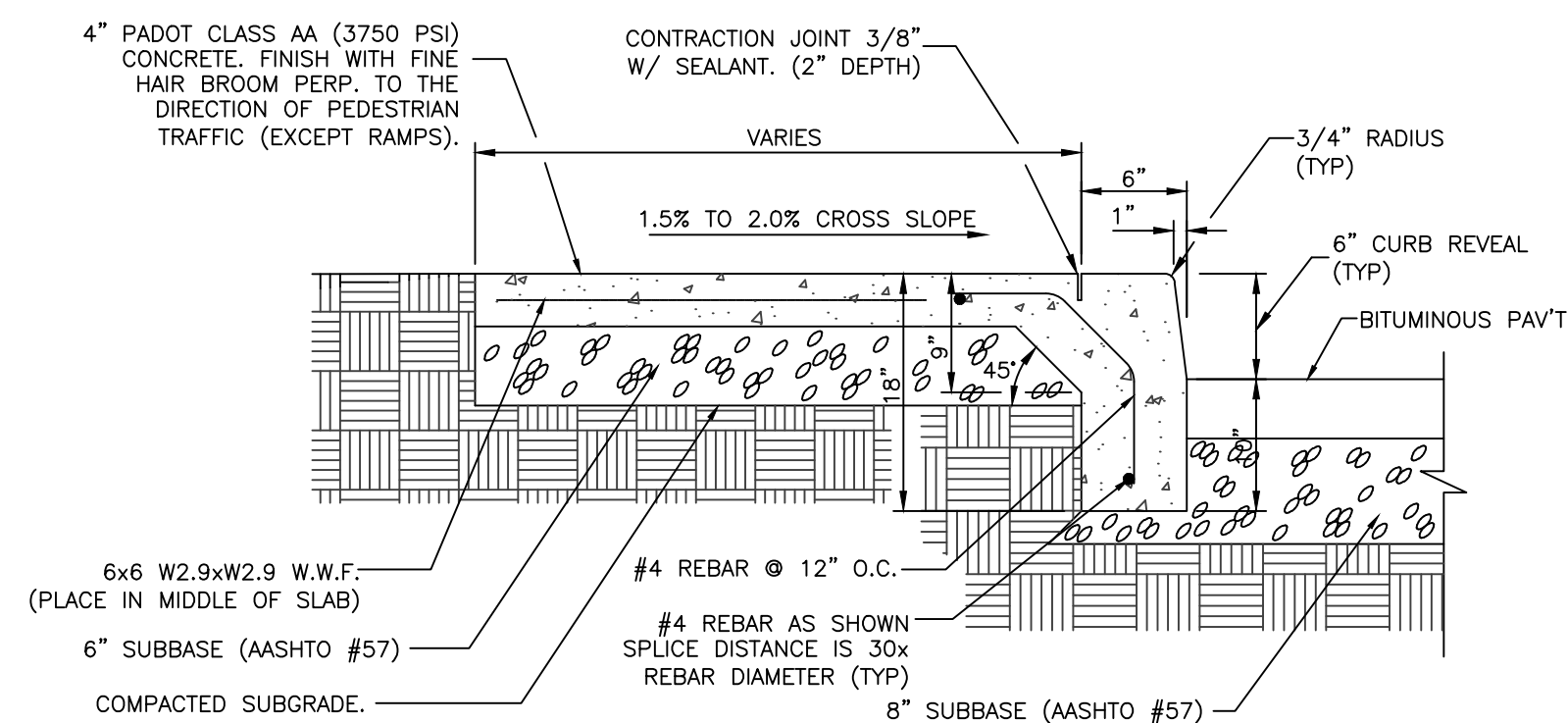




- NOTES:**
1. MINIMUM SLOPE: 1/8" PER 1'-0" FOR 6" LATERAL
 2. INSPECTION PORT LOCATION TO BE ADJACENT TO BUILDING
 3. PIPE SIZE, TYPE, FITTING, ETC. AS DIRECTED BY LOCAL SEWAGE AUTHORITY
 4. CONNECTION TO BE IN CONFORMANCE WITH LOCAL SEWAGE AUTHORITY

TYPICAL 6" SERVICE CONNECTION TO EXISTING COLLECTOR SEWER

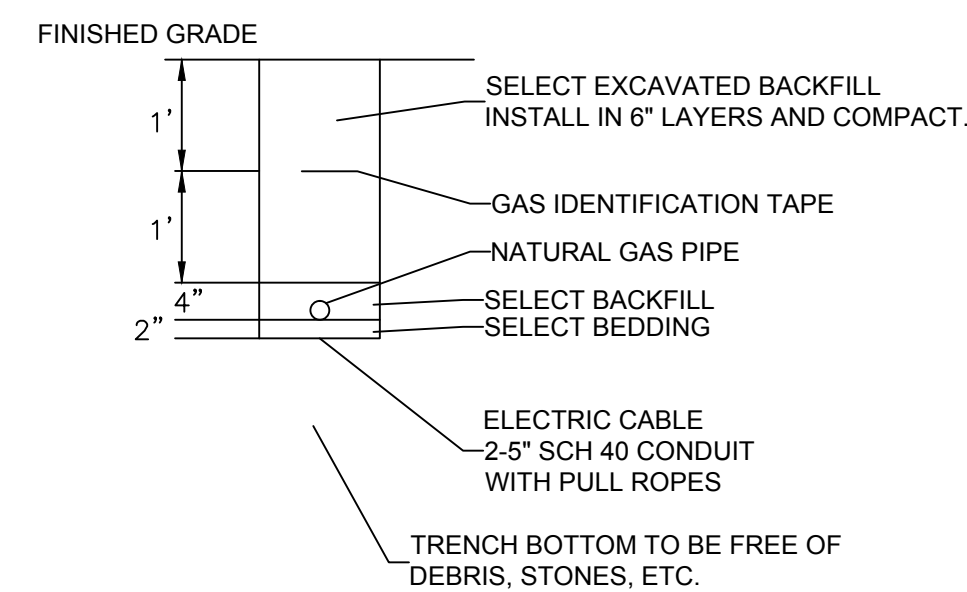
N.T.S.



NOTE:
USE EPOXY COATED REBAR.

MONO-POUR CONCRETE WALK AND CURB AT BUILDINGS

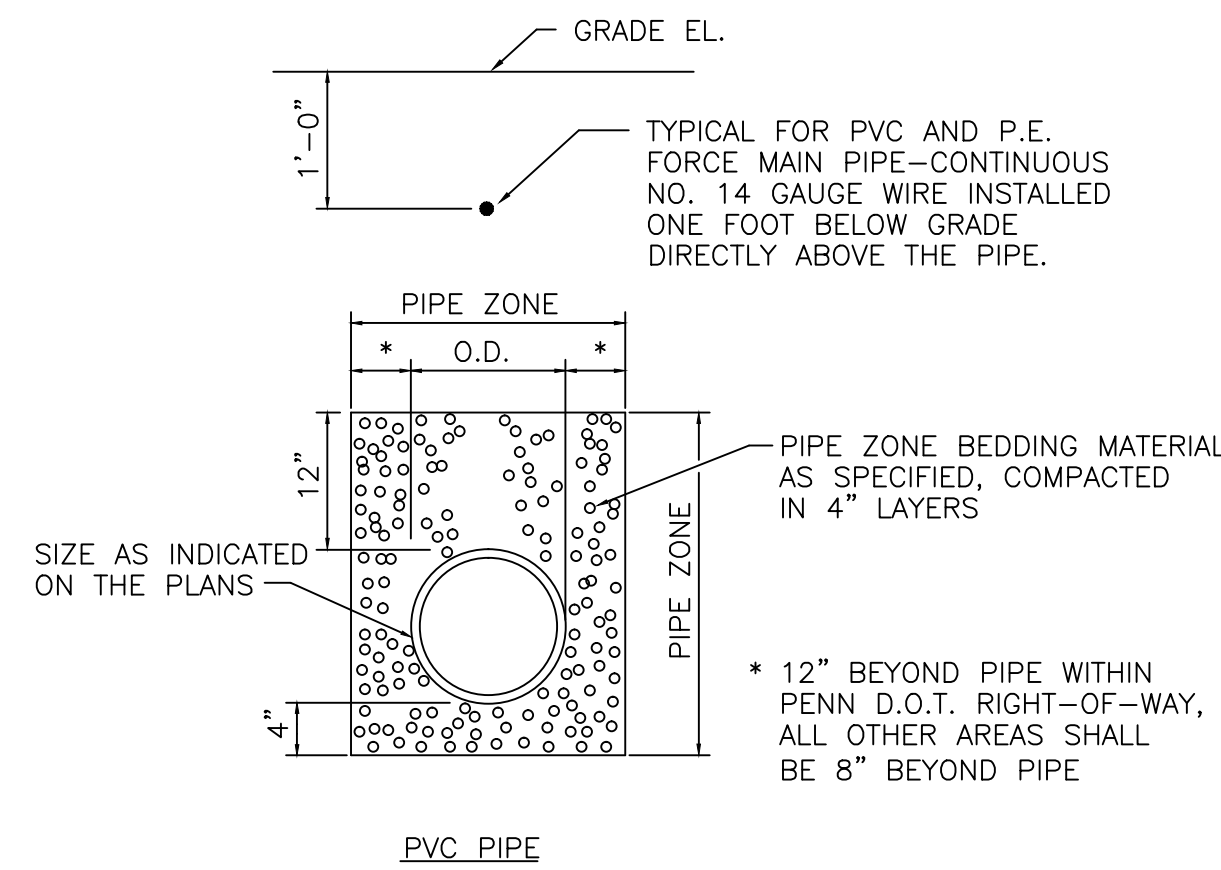
N.T.S.



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

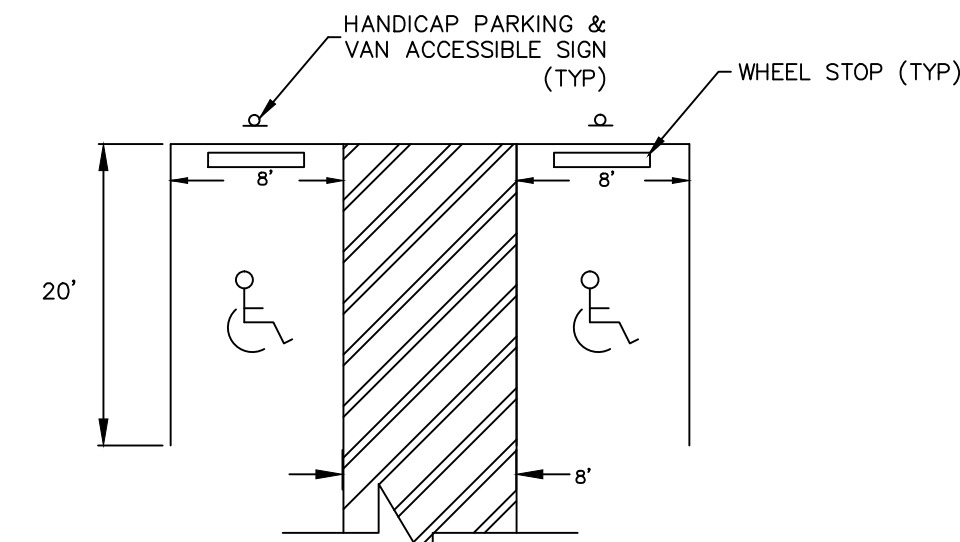
GAS LINE TRENCH

N.T.S.



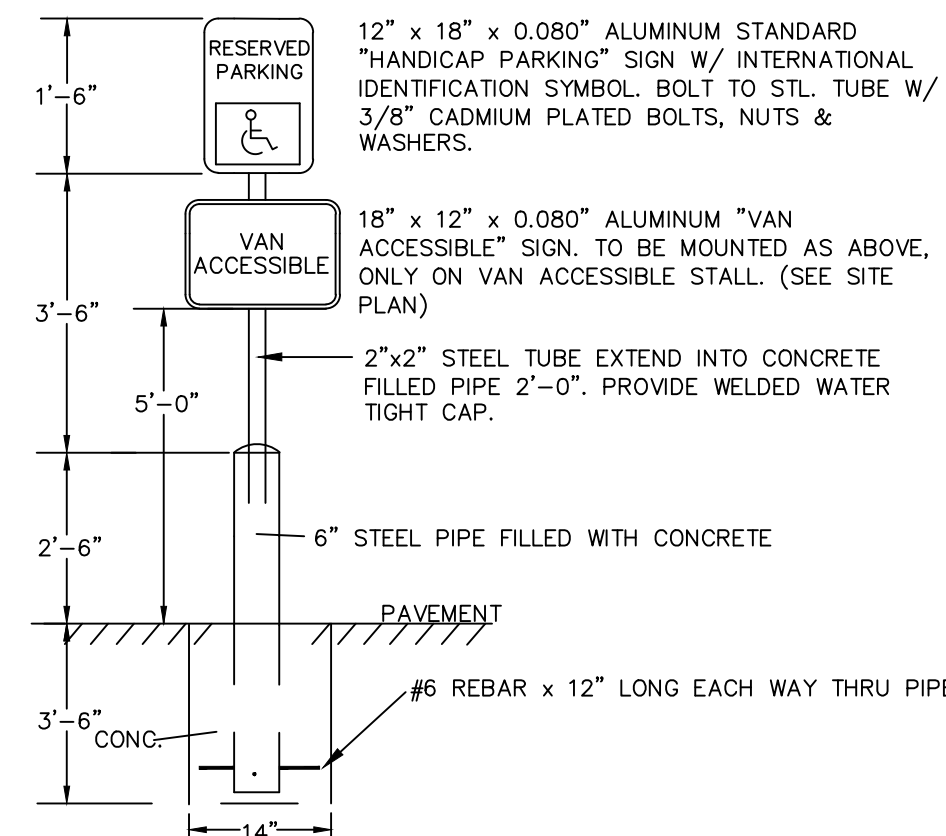
PIPE BEDDING

N.T.S.



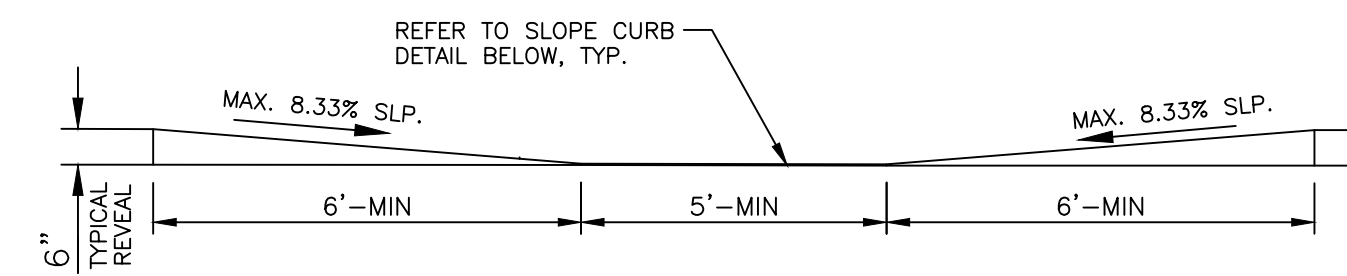
HANDICAP PARKING STALL

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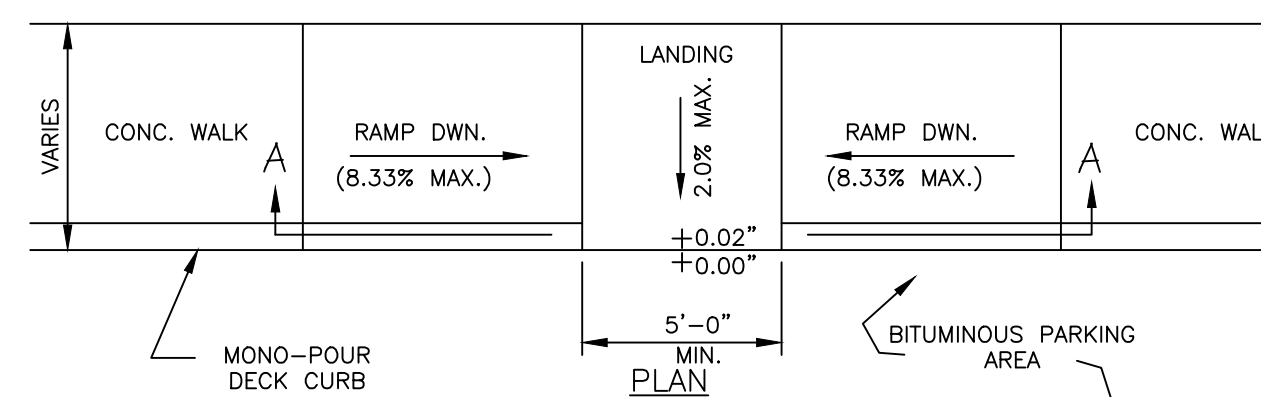


HANDICAP PARKING SIGN

N.T.S.

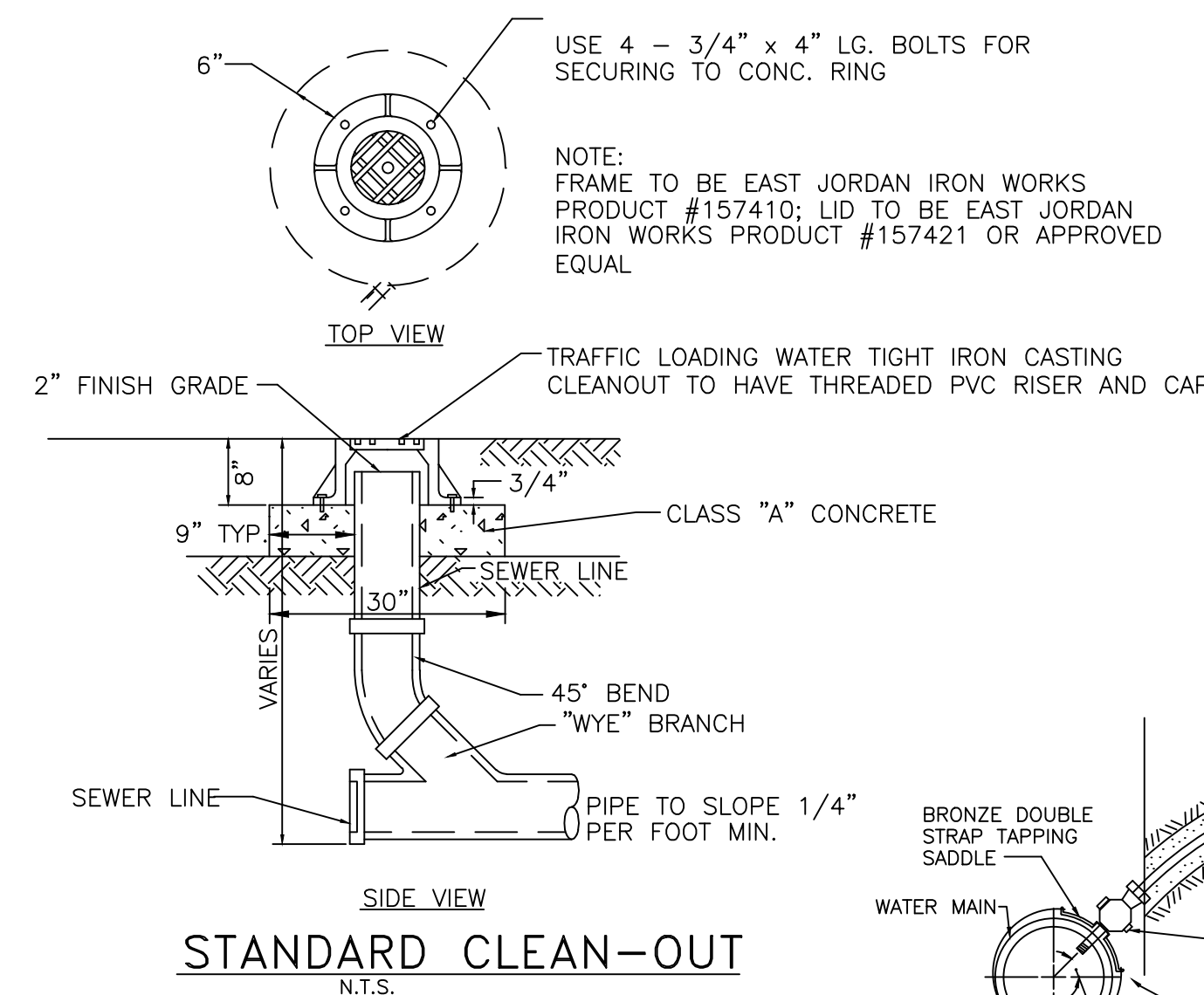


SECTION A-A



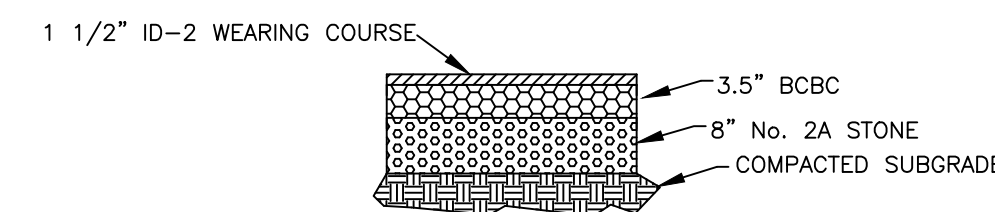
HANDICAP CURB RAMP

N.T.S.



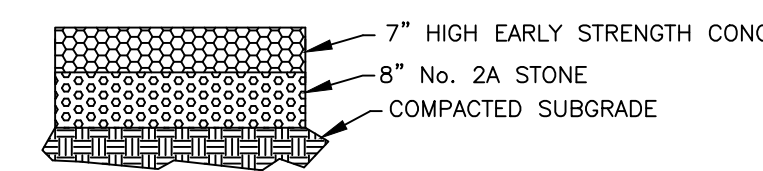
STANDARD CLEAN-OUT

N.T.S.



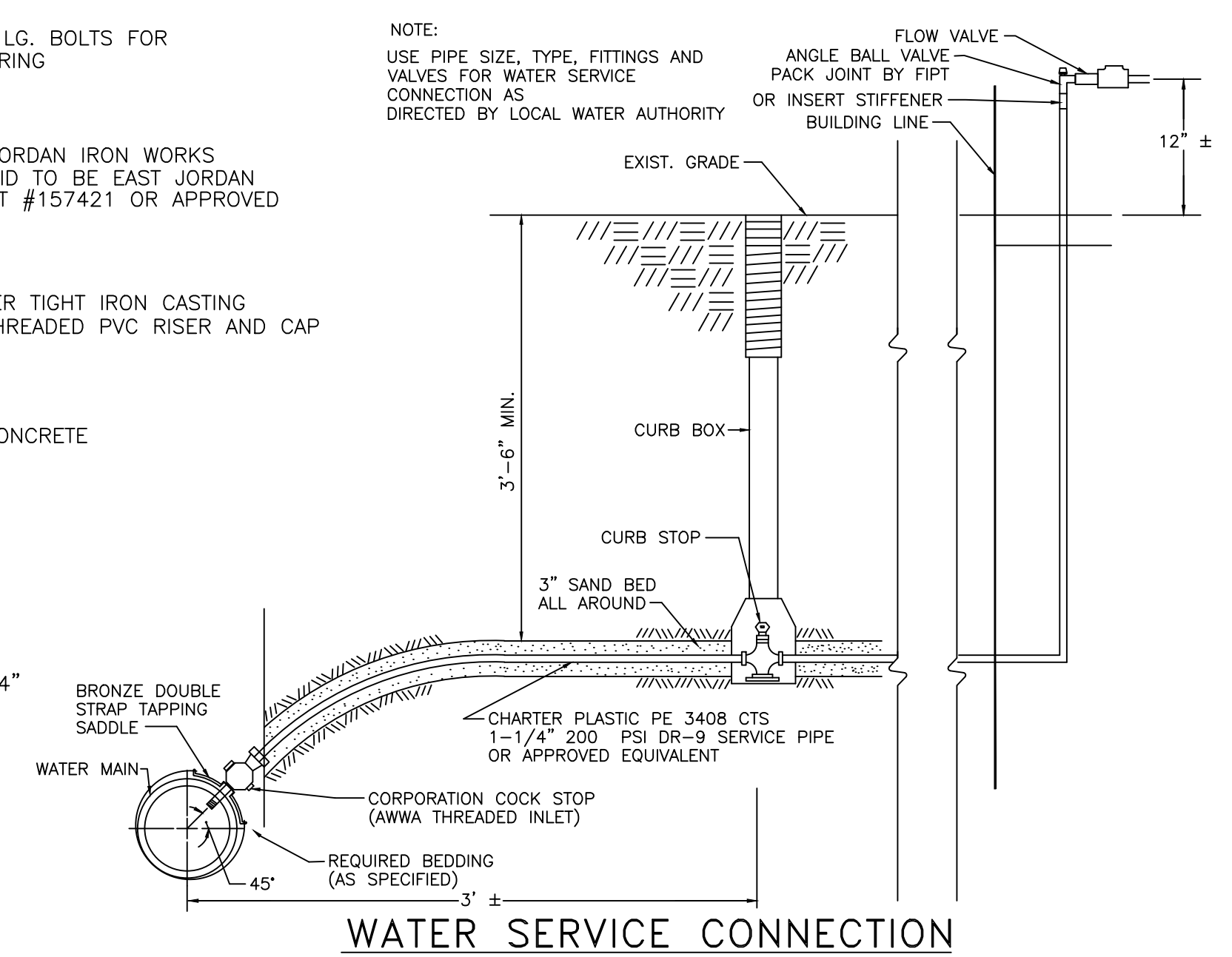
ASPHALT PAVING SECTION

N.T.S.



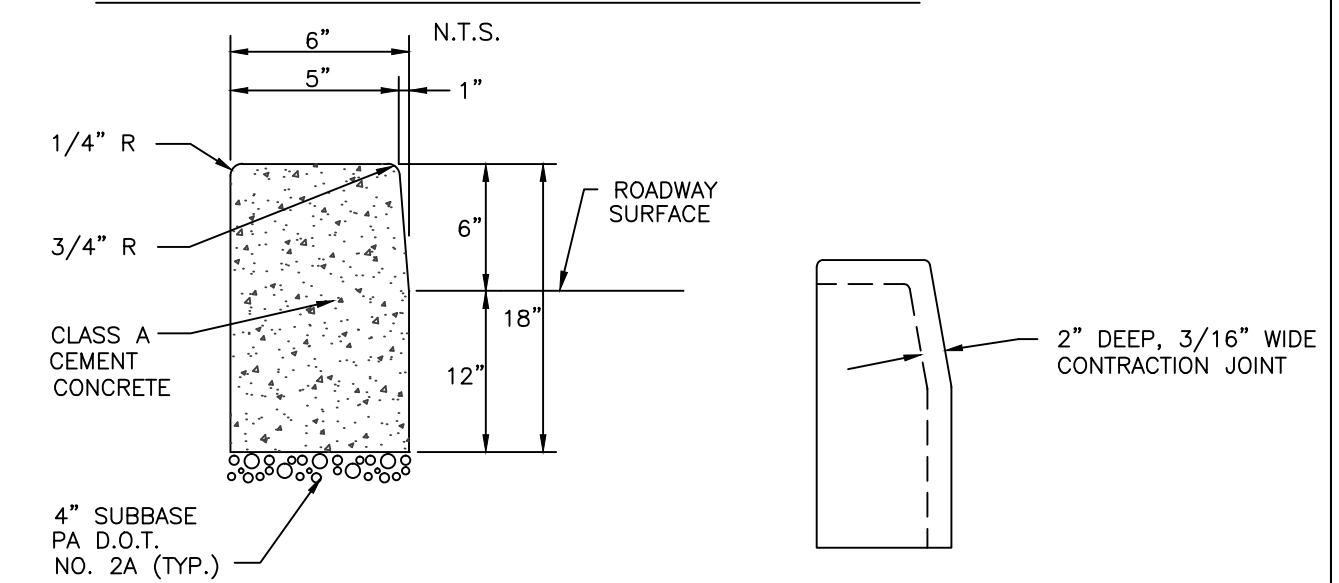
CONCRETE DRIVE THROUGH LANE

N.T.S.



WATER SERVICE CONNECTION

N.T.S.

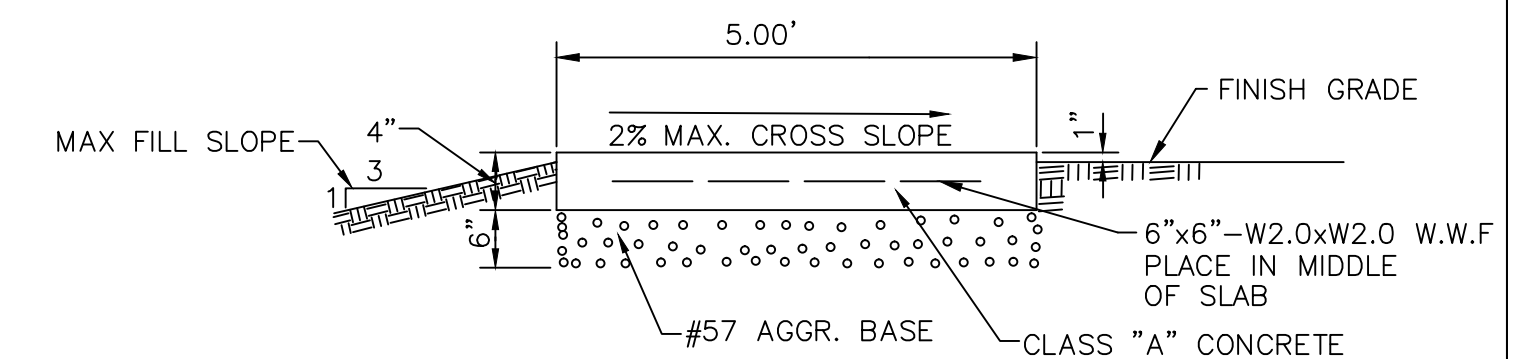


STANDARD CURB DETAIL

CONTRACTION JOINT DETAIL

**PLAIN CEMENT CONCRETE CURB SECTION
STANDARD CONCRETE CURB**

N.T.S.



- NOTES:**
1. FOR LONG LENGTHS OF SIDEWALKS, EXPANSION JOINTS (1/2" WIDTH, FULL DEPTH, WITH SEALANT) SHALL BE CONSTRUCTED EVERY 12 FEET AND CONTRACTION JOINTS (1/4" WIDTH, 1" DEEP WITH SEALANT) EVERY 4 FEET CENTER TO CENTER.
 2. MAXIMUM LONGITUDINAL SLOPE IS 5.0%.
 3. PROVIDE MATERIAL AND CONSTRUCTION MEETING THE REQUIREMENTS OF ADA STANDARDS FOR ACCESSIBLE DESIGN, PENNDOT PUBLICATION 72M "ROADWAY CONSTRUCTION STANDARDS" PENNDOT RC-67M "CURB RAMPS AND SIDEWALKS", AND PENNDOT PUBLICATION 408 "HIGHWAY SPECIFICATIONS" (SECTIONS 350, 409, 630, 676, AND 694), OR MEET RECENT EDITION.

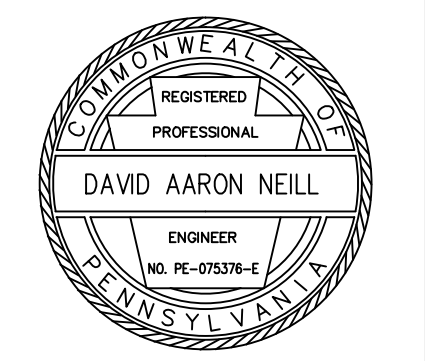
CONCRETE WALKWAY

N.T.S.

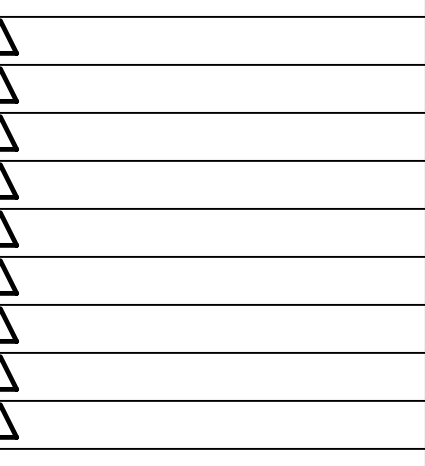
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HARRISON TOWNSHIP
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TACO BELL
FINAL PLAN



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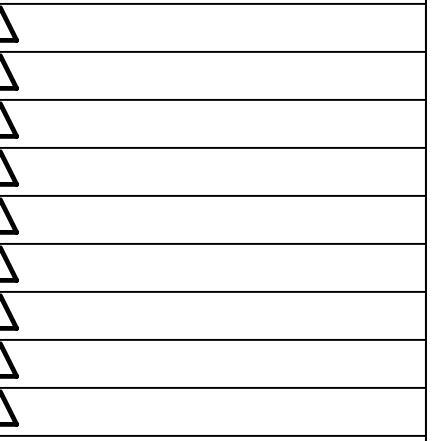
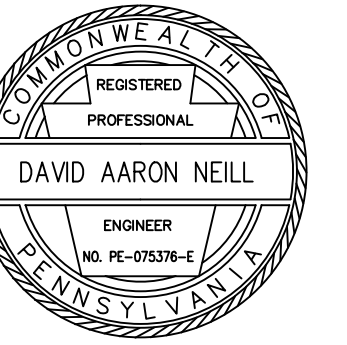


CONTRACT DATE:
BUILDING TYPE: LIVE MAS 50
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
APPROX. 4009 FREEPORT RD
NATRONA HEIGHTS, PA 15065



**PROPOSED
DETAILS**

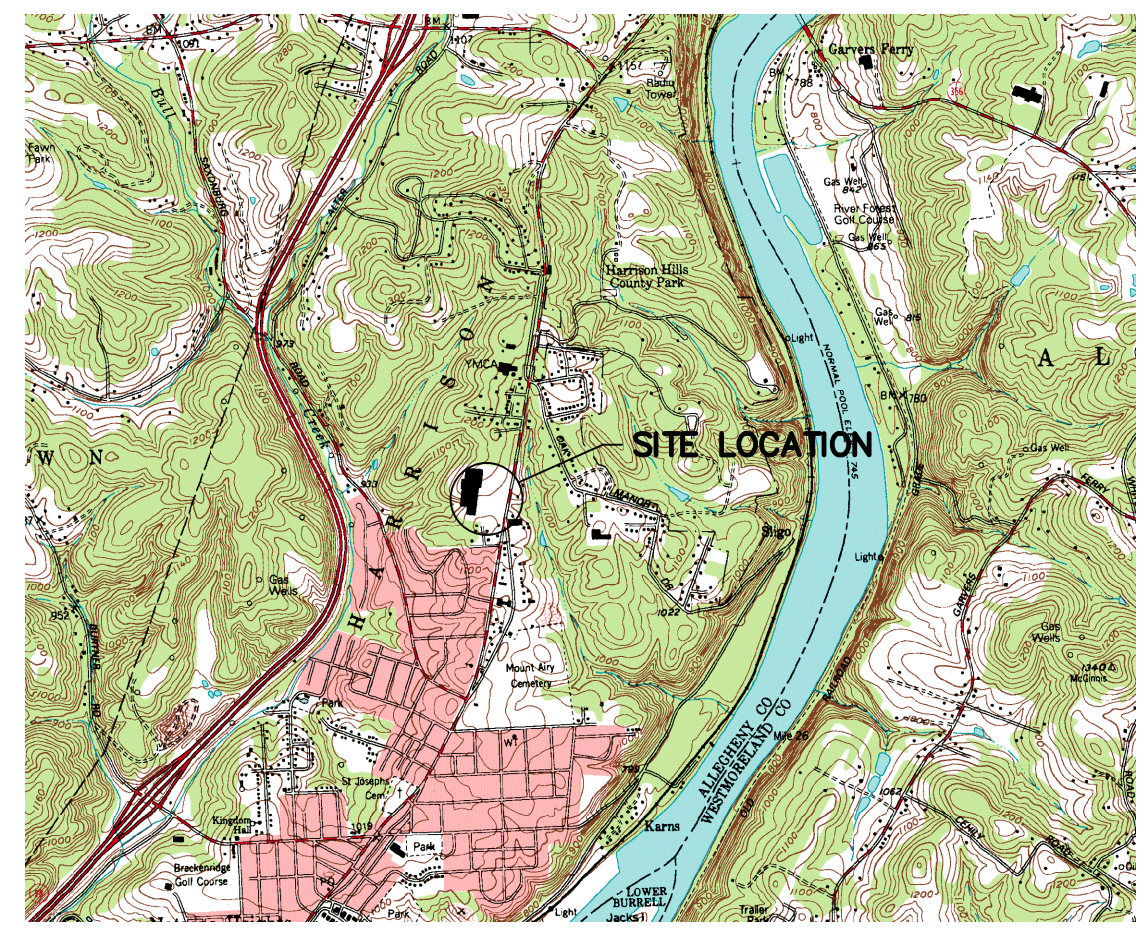
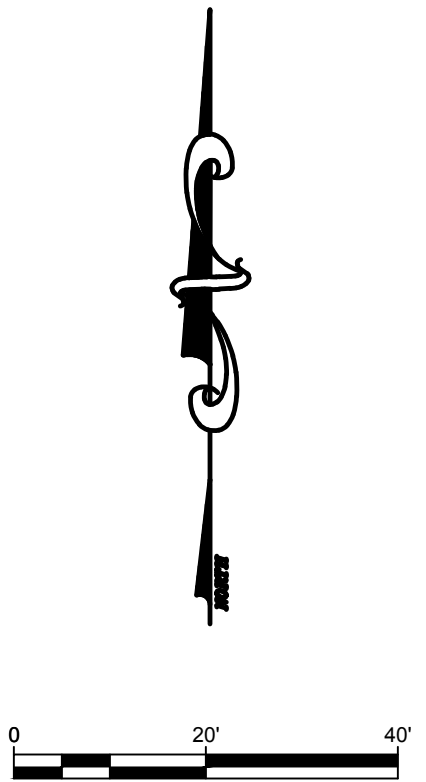
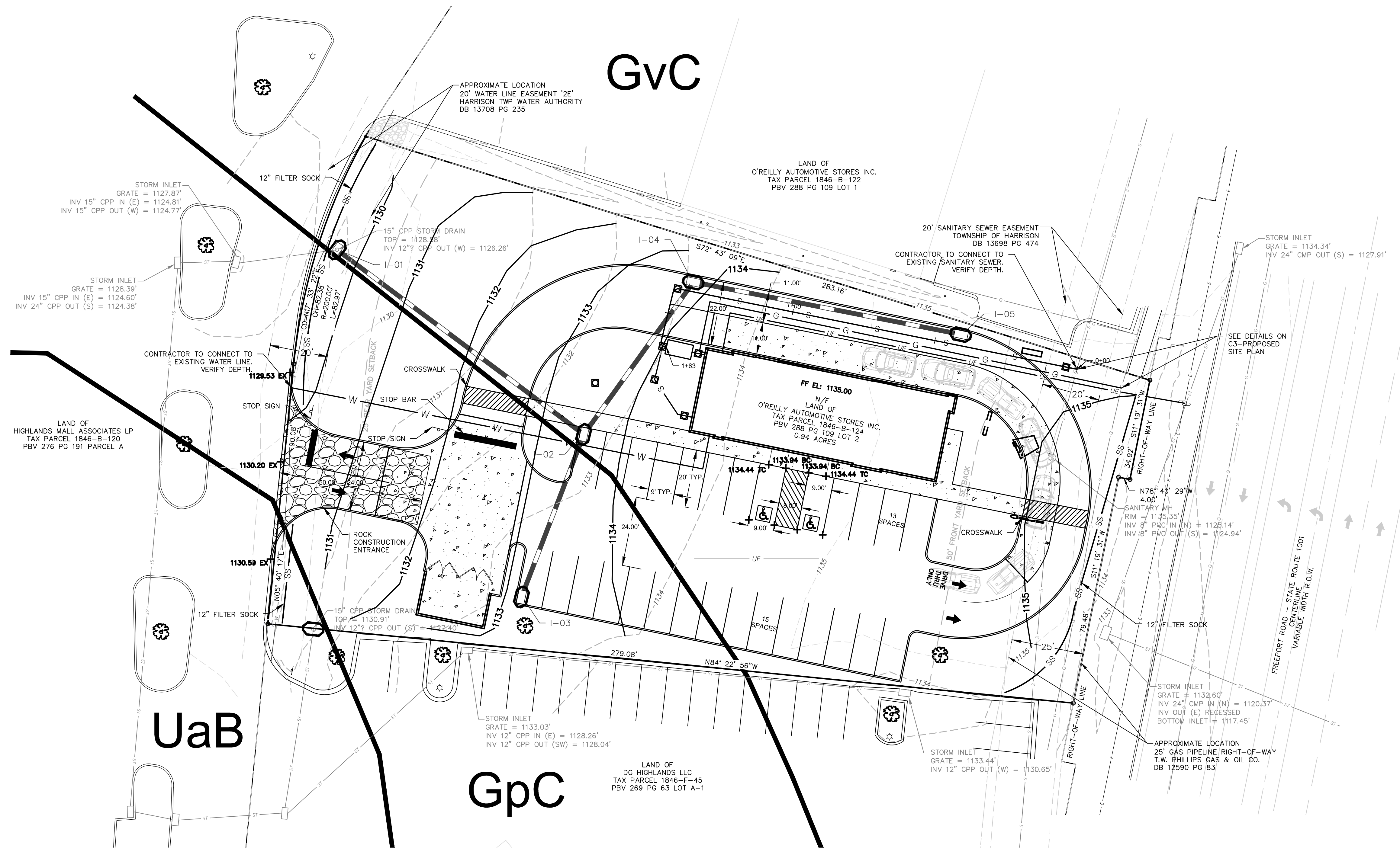


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TACO BELL
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 NATRONA HEIGHTS, PA 15065



E&S PLAN



LOCATION MAP
 USGS QUAD - FREEPORT
 SCALE: 1" = 1,000'

LEGEND	
1420	EXISTING CONTOURS
1416	PROPOSED CONTOURS
	PROPOSED STORM WATER INLETS
	EXISTING CURB
	PROPOSED CURB (FULL DEPTH)
	GvC SOIL CLASSIFICATION
	INLET PROTECTION
	LIMIT OF DISTURBANCE
	SOIL BOUNDARY
	12" FILTER SOCK

NOTES
 CONTRACTOR TO DISPOSE OF ALL UNUSED TOPSOIL AT AN OFF SITE LOCATION. CONTRACTOR TO ABIDE BY DEP CLEAN FILL POLICY ON ALL BORROW AND WASTE LOCATIONS.
 ALL SOIL DESIGNATIONS ARE APPROXIMATE.

SOIL EROSION AND SEDIMENTATION NOTES

The purpose of this plan is to provide effective erosion and sedimentation control procedures to minimize accelerated erosion and sedimentation under normal conditions and shall not be construed in whole or part as adequate for stream control and soil stabilization during construction.

Any additional requirements to adequately control erosion and sedimentation shall be the responsibility of the contractor and shall be considered incidental to the excavation, unless otherwise specified.

Erosion and sediment BMPs (Best Management Practices) must be constructed, stabilized and functional before site disturbance begins within the tributary areas of the particular BMP.

Re-seed any areas disturbed by the construction activities.

All areas which are disturbed will be stabilized immediately upon completion of final grading for that particular area. If permanent stabilization cannot be achieved due to weather conditions, or work ceases at the site for more than four (4) consecutive days, any disturbed areas will have temporary stabilization medium applied and permanently stabilized at the first opportunity.

Apply seeding, soil supplements, mulch, and erosion protection in accordance with PENNDOT Publication 408, Sections 804, 805, and 806. Seed and mulch finished areas immediately after completion of earthwork. Specifications can be found in the narrative. Erosion Control Blankets to be used where proposed slope is greater than 3:1 (See Detail).

Stockpiled areas must be stabilized immediately. Seed with Formula E and mulch in accordance with PENNDOT Publication 408, Section 805. Stockpile heights must not exceed 35 feet and stockpile slopes must be equal to or less than 2:1.

Comply with the requirements of the Pennsylvania Code Title 25 Environmental Resources, Chapter 102 Erosion Control and Sedimentation Pollution Control and Water Obstruction Permit.

Vegetated areas shall be considered permanently stabilized when a uniform 70 % vegetative cover of erosion resistant perennial species has been achieved, or the disturbed area is covered with an acceptable BMP which permanently minimizes accelerated erosion and sedimentation. Until such time as this standard is achieved, interim stabilization measures and temporary erosion and sediment control BMPs that are used to treat project runoff may not be removed. Contractor to utilize existing topsoil in all vegetated areas and all excess topsoil to be properly disposed, reused or recycled per the Department regulations.

Make the project site available at all regular working times for inspection by the authorized employee of DEP or the County Conservation District. A copy of the approved E & S Control Plan and Narrative is to be available at the project site.

Conduct operations as shown or specified in the approved Erosion and Sedimentation Pollution Control Plan.

Direct flowing water away from project construction areas.

After final site stabilization has been achieved, temporary erosion and sediment BMPs must be removed. Areas disturbed during removal of the BMPs must be stabilized immediately.

The contractor, at his own expense, may develop and submit his own Erosion and Sediment Pollution Control Plan. Submit the plan to the Conservation District for approval. Provide a copy of this approval to the engineer for review and acceptance prior to starting work.

The project requires the placement of imported fill. The Operator will be responsible to perform environmental due diligence and determine that all fill imported to the site meets the Department's definition of clean fill.

Environmental Due Diligence is: Investigative techniques, including, but not limited to, visual property inspections, electronic data base searches, review of ownership and use history of property, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments or audits.

Clean Fill is: Uncontaminated, nonwater-soluble, nondecomposable inert solid material. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such. (25 Pa. Code §§ 271.101 and 287.101) The term does not include materials placed in or on the waters of the Commonwealth unless otherwise authorized.

MAINTENANCE CONTROLS DURING CONSTRUCTION

At the request of the Conservation District, the contractor will prepare an Erosion and Sediment Pollution Control Plan for all offsite borrow and waste areas. Submit to the Department for approval.

Stabilize all offsite borrow and waste areas by seeding and mulching as specified.

Separate water originating outside of the project from that originating within.

Until the site is stabilized, all erosion and sediment BMPs must be maintained properly. Maintenance must include inspections of all erosion and sediment BMPs after each runoff event and on a weekly basis. Records of each inspection, notes of deficiencies, and the corrective actions taken will be kept at the project site for review by the Department, engineer and/or the Conservation District. All preventative and remedial maintenance work, including clean out, repair, replacement, regrading, reseeded, and mulching must be performed immediately. If erosion and sediment control BMPs fail to perform as expected, replacement BMPs, or modifications of those installed will be required.

Remove accumulated sediments as required and prior to reaching one-half of the above ground height of the composite filter sock to keep functional. Repair all undercutting or erosion of the toe anchor immediately with compacted backfill materials.

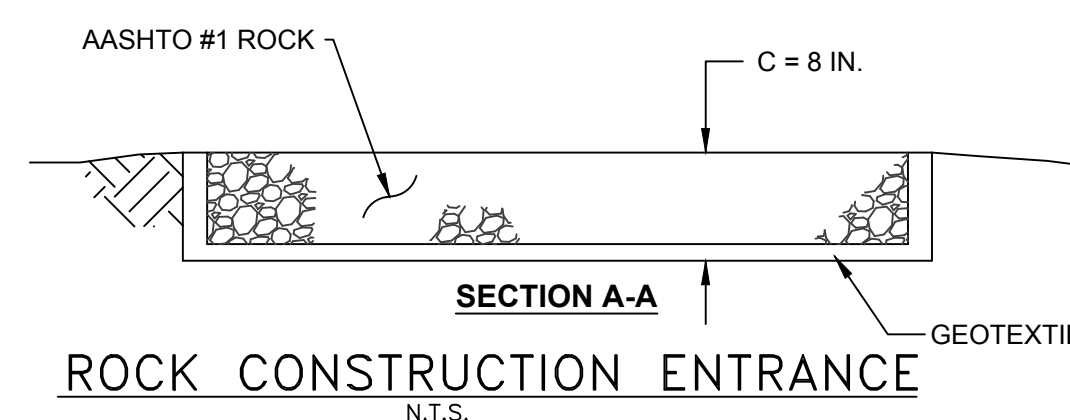
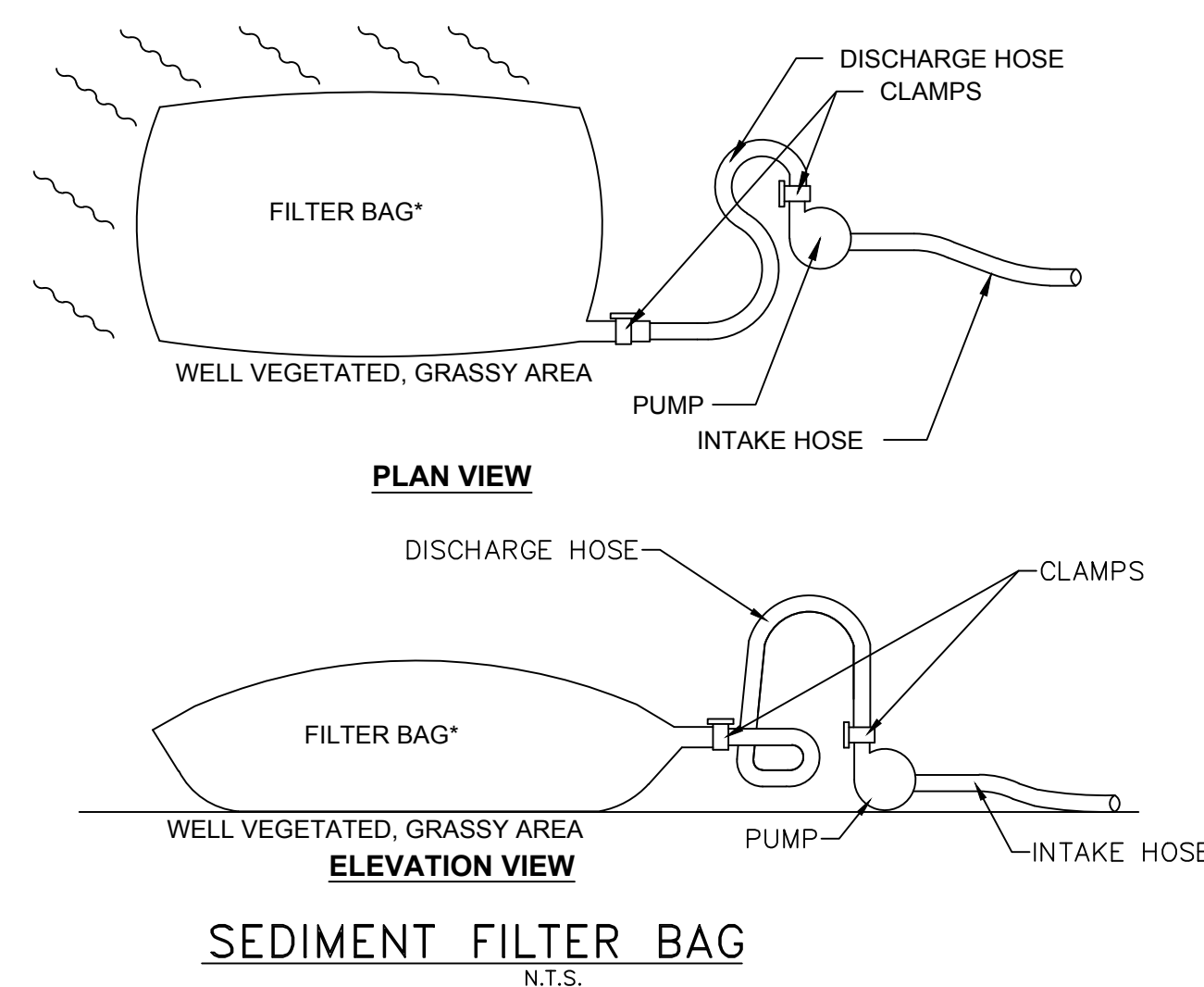
Sediment removed from the control facilities shall not be placed as fill material within the project area. Contractor shall satisfactorily dispose of removed materials.

Excess cuts or fills will be utilized or disposed of onsite. Construction debris shall be properly disposed at an off-site location.

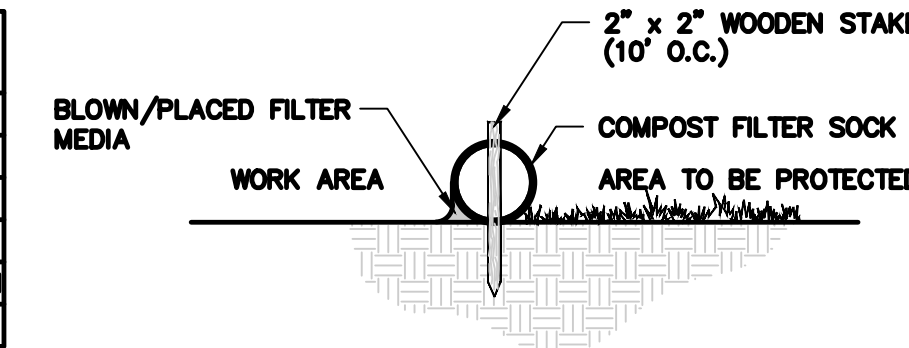
INSPECTION of BMPs to occur after each rainfall event and every two weeks during construction. Records of each inspection, notes of deficiencies, and the corrective actions taken will be kept at the project site for review by the Department, engineer and/or the Conservation District.

CONSTRUCTION SEQUENCE

1. INSTALL 12" COMPOSITE SOCK AND ROCK CONSTRUCTION ENTRANCE.
2. INSTALL INLET PROTECTION ON EXISTING INLETS AS SHOWN.
3. GRADE SITE TO SUBGRADE LEVEL.
4. INSTALL UNDERGROUND UTILITIES, INLETS, AND INLET PROTECTION ON PROPOSED INLETS.
5. PUMP WATER FROM UTILITY TRENCHES AND FOOTERS INTO SEDIMENT FILTER BAGS AS NECESSARY.
6. COMPLETE CONSTRUCTION OF DEVELOPMENT (ROADS, PARKING, BUILDINGS, CULVERTS, ETC.)
7. GRADE TO FINAL ELEVATION.
8. BEGIN REMOVAL OF EROSION AND SEDIMENTATION CONTROLS WHEN SITE IS STABILIZED (UNIFORM 70% PERENNIAL VEGETATIVE COVER) AND AS DIRECTED BY ENGINEER.



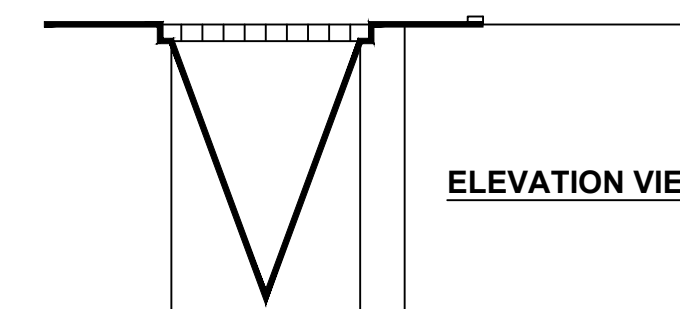
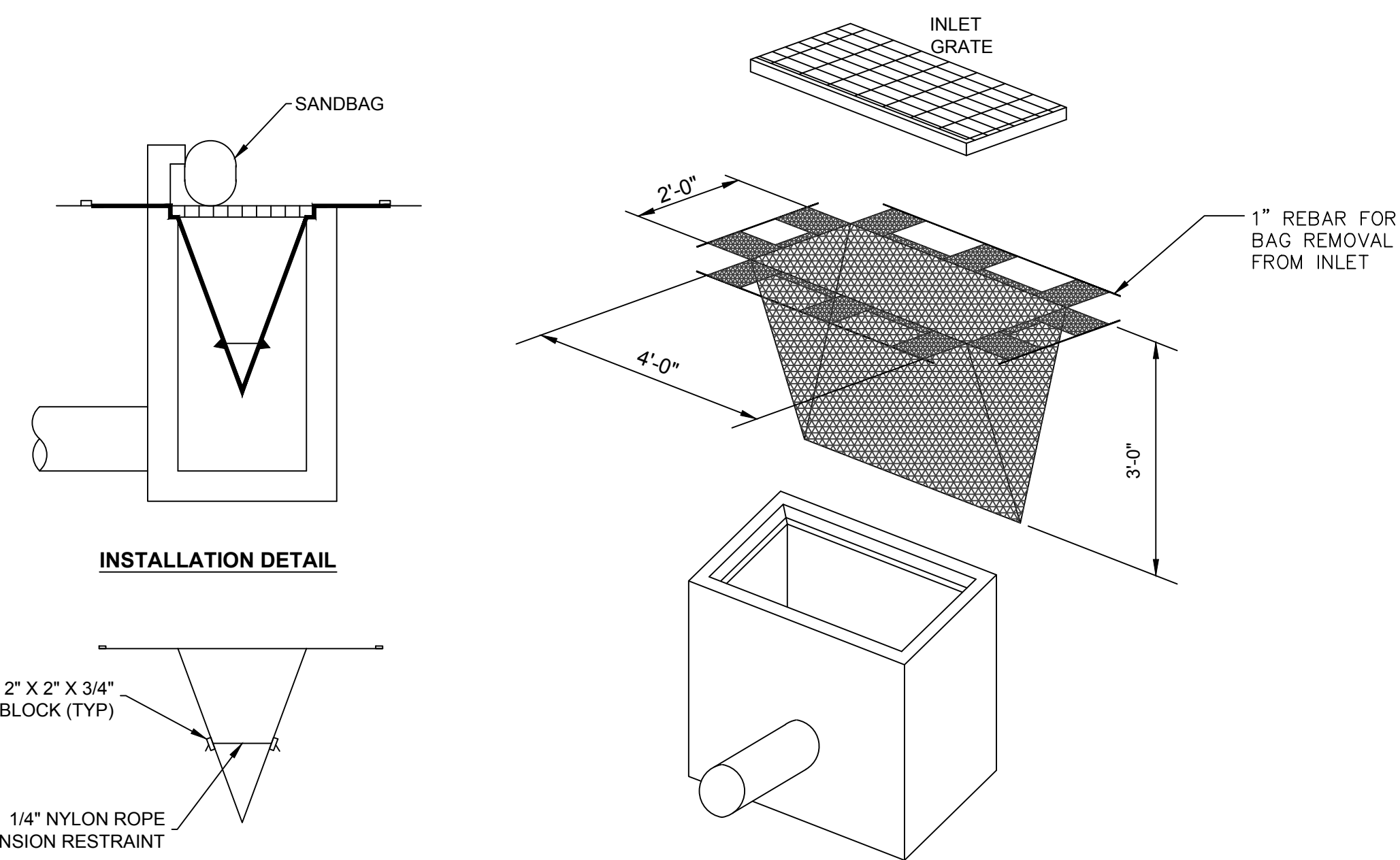
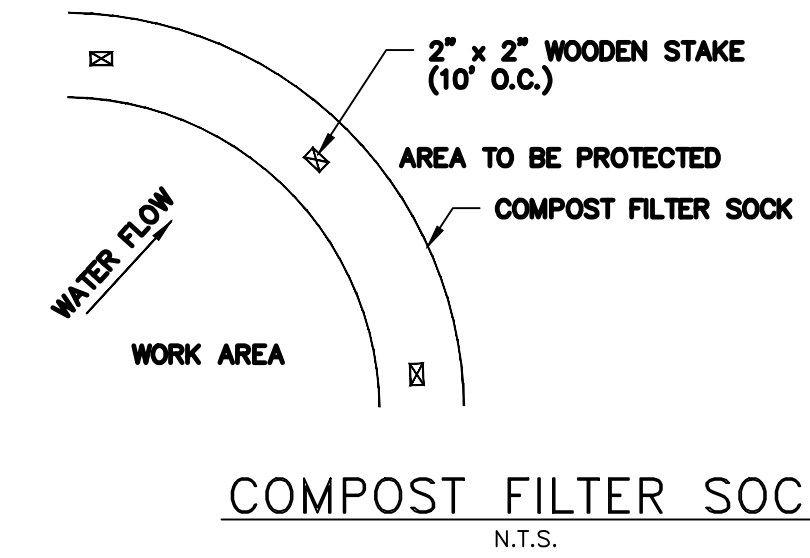
SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 COMPOST SHALL MEET THE FOLLOWING STANDARDS:	
ORGANIC MATTER CONTENT	80%-100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 ds MAXIMUM



SLOPE %	COMPOST FILTER SOCK DIAMETER				
	8"	12"	18"	24"	32"
2	400	520	690	1000	1300
5	200	250	350	500	650
10	100	150	250	300	400
20	25	70	150	200	250
33	20	40	65	90	105
40	15	35	55	75	90
50	10	25	40	50	65

* TABLE DERIVED FROM FIGURE 4.2, PA D.E.P. EROSION CONTROL MANUAL DRAFT, 363-2134-008 / DRAFT 10-17-2009 / PAGE 54

NOTES:
COMPOST FILTER SOCK SHOWN IN THIS E&S PLAN WERE SIZED ACCORDING TO THE ABOVE TABLE. IN THE EVENT THAT COMPOST FILTER SOCKS ARE NOT AVAILABLE, AND THE PROJECT SITE IS NOT IN A SPECIAL PROTECTION WATERSHED, FILTER FENCE MAY BE SUBSTITUTED. FILTER FENCE MUST BE SIZED AND PLACED ACCORDING WITH THE ATTACHED DETAIL AND SLOPE LENGTH TABLE.



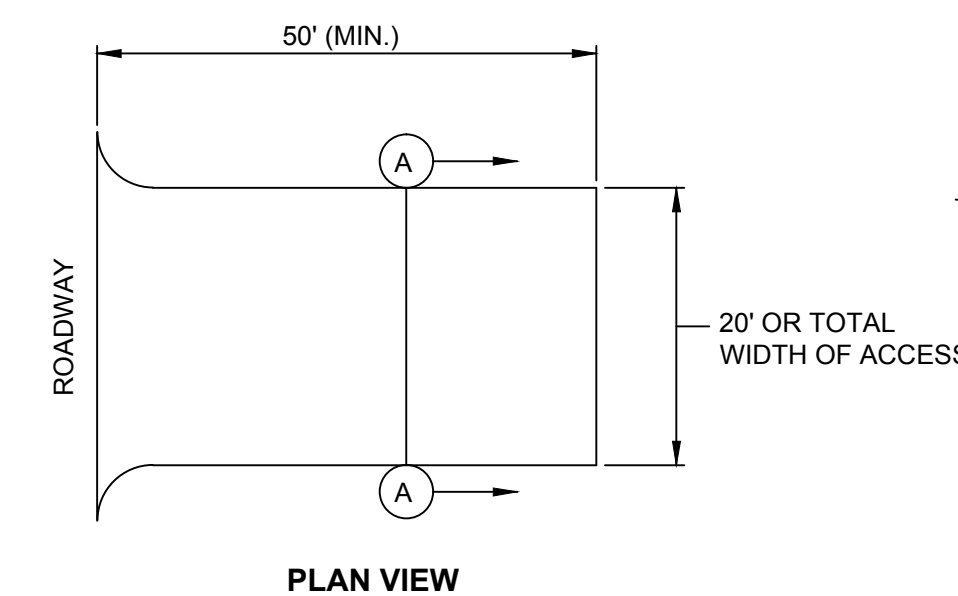
NOTES:
INLET FILTER BAGS SHOULD BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.

FILTER BAGS SHOULD BE CLEANED AND/OR REPLACED WHEN BAG IS 3/4 FULL.

DAMAGED FILTER BAGS SHOULD BE REPLACED.

NEEDED REPAIRS SHOULD BE INITIATED IMMEDIATELY AFTER THE INSPECTION.

FILTER BAG INLET PROTECTION



NOTE:
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

GENERAL NOTES: ROCK CONSTRUCTION ENTRANCE IS NOT REQUIRED TO BE INSTALLED AT START OF CONSTRUCTION. ROCK CONSTRUCTION ENTRANCE TO BE INSTALLED IF SEDIMENT AND DEBRIS ARE TRACKED FROM THE SITE TO THE PUBLIC ROADWAY OR THROUGHOUT THE PARKING LOT. OWNER AND CONTRACTOR TO MONITOR.

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kathleendayarchitect@gmail.com

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TACO BELL
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Fax: 814-764-5055
www.eadsgrp.com



CONTRACT DATE:
BUILDING TYPE: LIVE MAS 50
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL

APPROX. 4009 FREEPORT RD
NATRONA HEIGHTS, PA 15065



E&S
DETAILS

ES-2

PERMIT PLOT DATE: 3-28-17

STORMWATER MANAGEMENT PLAN ACKNOWLEDGMENT

I, _____
 HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT
 BMPs ARE FIXTURES THAT CANNOT BE ALTERED OR
 REMOVED WITHOUT PRIOR APPROVAL BY THE
 MUNICIPALITY

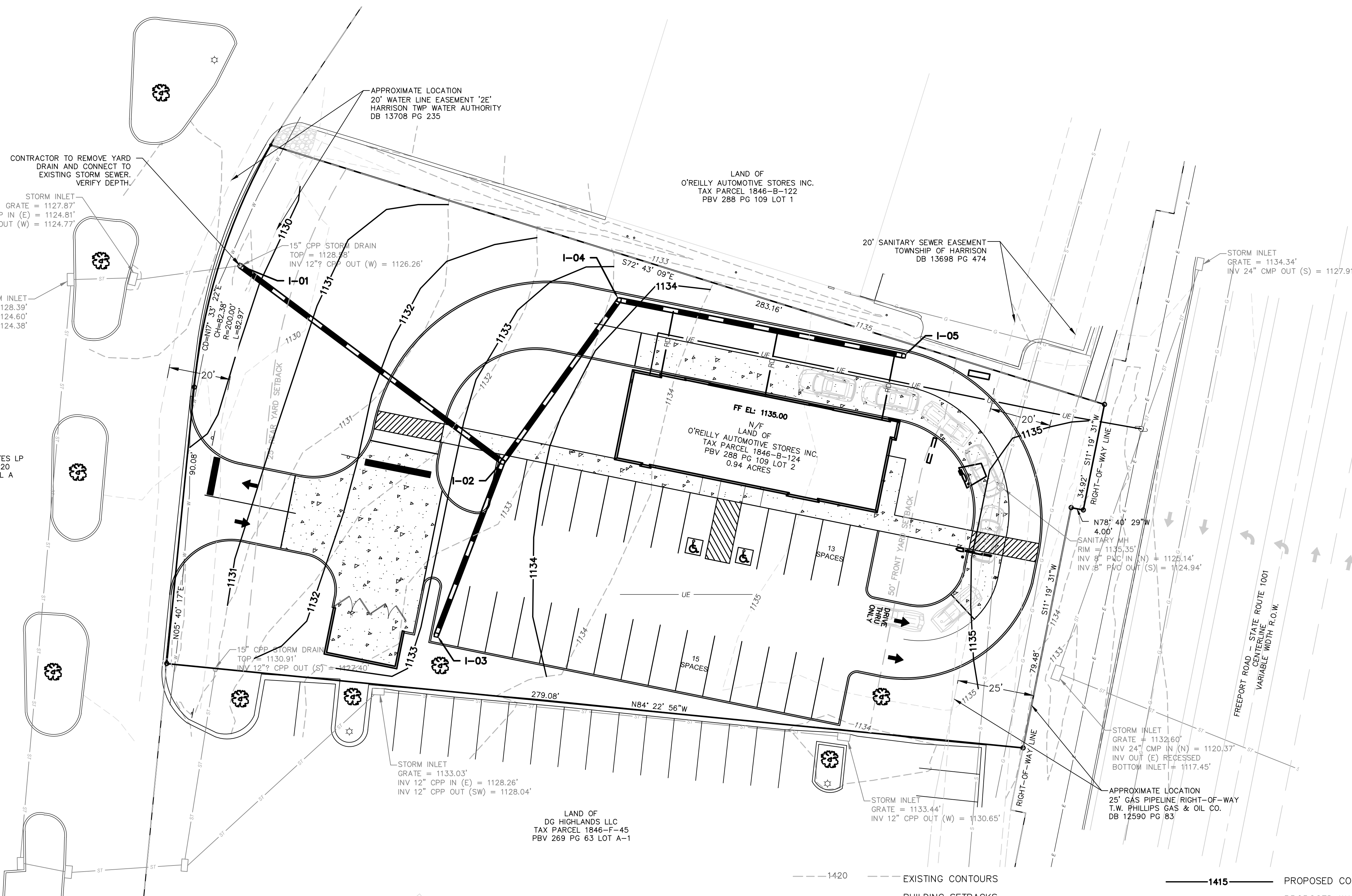
STORMWATER MANAGEMENT PLAN SIGNATURE BLOCKS

I, _____
 HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT
 PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF
 THE HARRISON TOWNSHIP, ALLEGHENY COUNTY
 STORMWATER MANAGEMENT ORDINANCE.

I, _____
 HAVE REVIEWED THIS STORMWATER MANAGEMENT PLAN IN
 ACCORDANCE WITH THE DESIGN STANDARDS AND CRITERIA
 OF THE HARRISON TOWNSHIP, ALLEGHENY COUNTY
 STORMWATER MANAGEMENT ORDINANCE.

NOTES:

- 1) ACCESS IS GRANTED TO ALL STORMWATER MANAGEMENT FACILITIES TO HARRISON TOWNSHIP OR ITS DESIGNERS.
- 2) THE OWNER AND MUNICIPALITY HAVE ENTERED INTO AN OPERATIONS AND MAINTENANCE AGREEMENT AND THAT AGREEMENT IS PART OF THE STORMWATER MANAGEMENT SITE PLAN.



LAND OF
 HIGHLANDS MALL ASSOCIATES LP
 TAX PARCEL 1846-B-120
 PBV 276 PG 191 PARCEL A

LAND OF
 O'REILLY AUTOMOTIVE STORES INC.
 TAX PARCEL 1846-B-122
 PBV 288 PG 109 LOT 1

LAND OF
 DG HIGHLANDS LLC
 TAX PARCEL 1846-F-45
 PBV 269 PG 63 LOT A-1

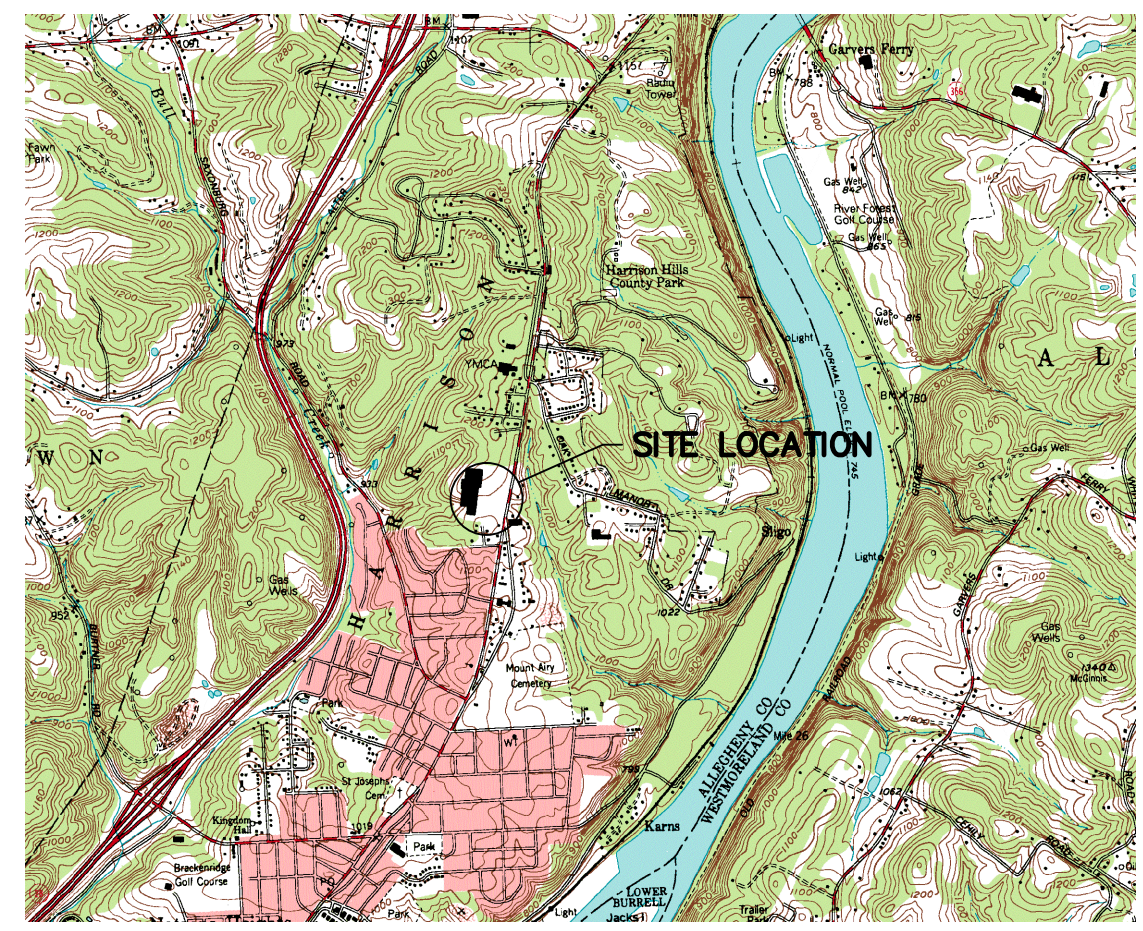
MAINTENANCE SCHEDULE

- SHORT TERM**
1. ALL STORMWATER MANAGEMENT FACILITIES AND E&S FACILITIES ARE TO BE INSPECTED AFTER EACH RAINFALL AND WEEKLY DURING CONSTRUCTION. ANY CONTROLS WHICH ARE FOUND TO BE DAMAGED OR AT CAPACITY ARE TO BE FIXED WITHIN 24 HOURS. INSPECTION RECORDS WILL BE KEPT BY THE CONTRACTOR.
- LONG TERM**
1. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, THE OWNER, THROUGH ON-SITE STAFF OR CONTRACT SERVICE IS TO INSPECT THE STORMWATER FACILITIES FOUR TIMES PER YEAR. A RECOMMENDED SCHEDULE IS JANUARY 10, APRIL 10, JULY 10 AND OCTOBER 10. INLETS AND THE ORIFICE PLATE WILL BE EXAMINED AND DEBRIS REMOVED IF ACCUMULATED.

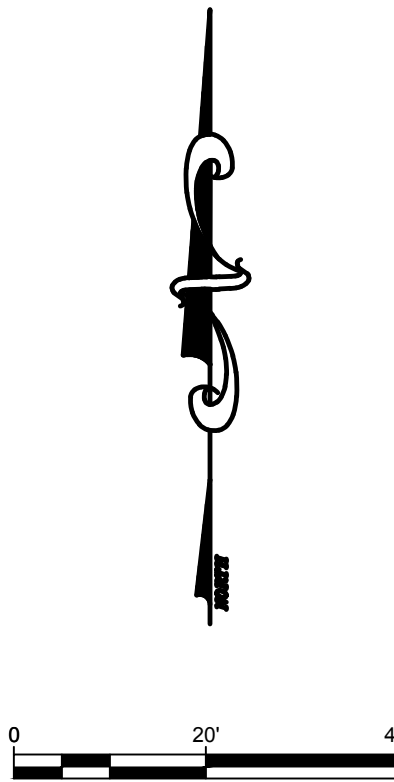
--- 1420 ---	EXISTING CONTOURS	— 1415 —	PROPOSED CONTOURS
---	BUILDING SETBACKS	— W —	PROPOSED WATER
---	PROPERTY LINES	— S —	PROPOSED SANITARY SEWER LINE
---	RIGHT OF WAY	□	PROPOSED STORM WATER INLETS
— E —	EXISTING UTILITY POLE, OVERHEAD LINE & GUY WIRE	—	PROPOSED STORM WATER PIPE ALL STORM WATER PIPING TO BE HDPE (ADS N-12 OR EQUIVALENT)
— S —	EXISTING SANITARY SEWER	—	PROPOSED CURB
— G —	EXISTING GAS LINE	— G —	PROPOSED GASLINE
—	EXISTING CURB	— RD —	ROOF DRAIN CONNECTION
— ST —	EXISTING STORM WATER PIPE	—	HANDICAP ACCESSIBLE PARKING
□	EXISTING STORM WATER INLETS	1421.0 x	PROPOSED SPOT ELEVATIONS
— W —	EXISTING MUNICIPAL WATER LINE	— UE —	PROPOSED UNDERGROUND ELECTRIC
○	EXISTING PIPE	□	CONCRETE PAVING
⊗	EXISTING ANGLE IRON	—	EXISTING GUIDE RAIL
•	SURVEY CORNER (NOT SET)		
⊠	MAG NAIL		
⊞	PROPOSED SANITARY CLEAN OUT		
⊞	FEMA 100 YEAR STORM FLOOD PLAIN LIMIT		

PARKING CALCULATIONS
 ONE SPACE PER 200 SQFT.
 PROPOSED BUILDING AREA - 2,574 SQFT
 PARKING REQUIRED - 13 SPACES = 2574 SQFT/200 SQFT
 PARKING PROVIDED - 28 SPACES
 SIGNS AND PAVEMENT MARKINGS TO COMPLY WITH CURRENT
 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

ZONING: GENERAL COMMERCIAL
 MINIMUM SETBACKS: FRONT: 50'
 SIDE: NONE
 REAR: 25'
 MAXIMUM BUILDING HEIGHT: 45 FT
 PROPOSED BUILDING HEIGHT: 23 FT



LOCATION MAP
 USGS QUAD - FREEPORT
 SCALE: 1" = 1,000'



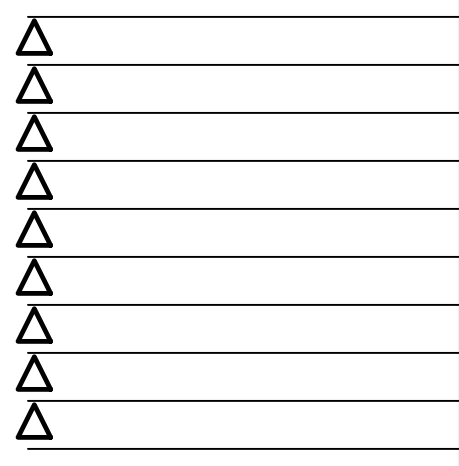
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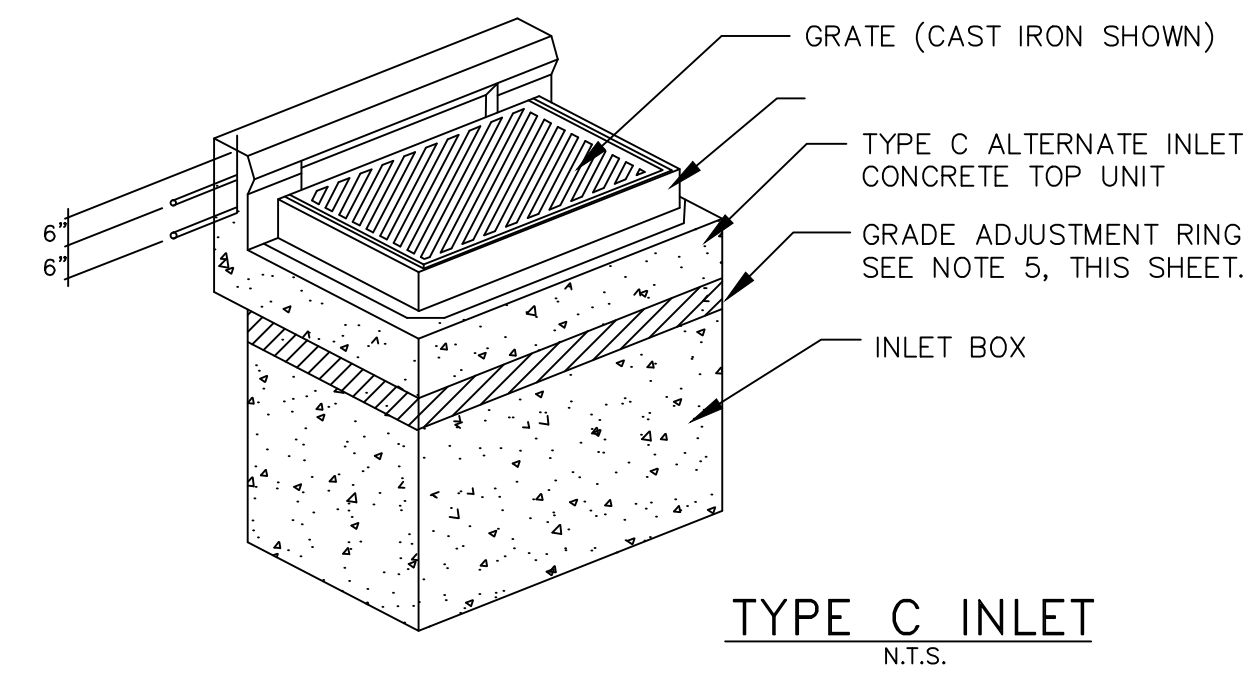
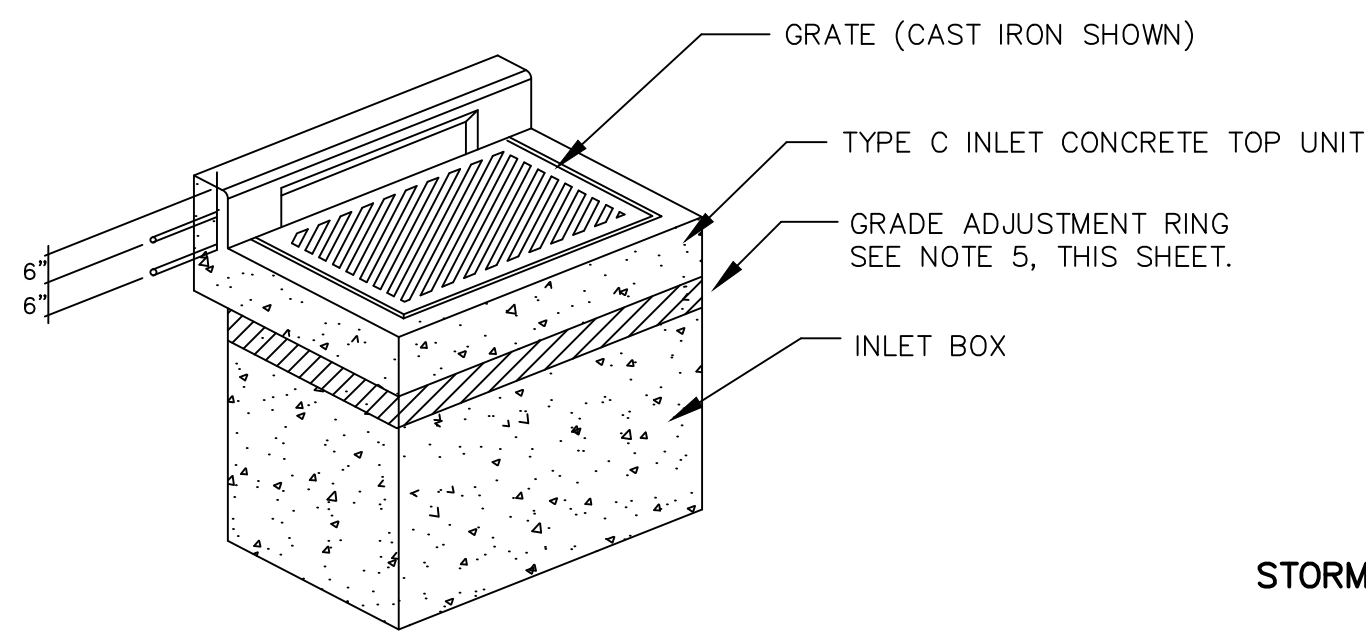


CONTRACT DATE:
 BUILDING TYPE: LIVE MAS 50
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 STORE NUMBER:

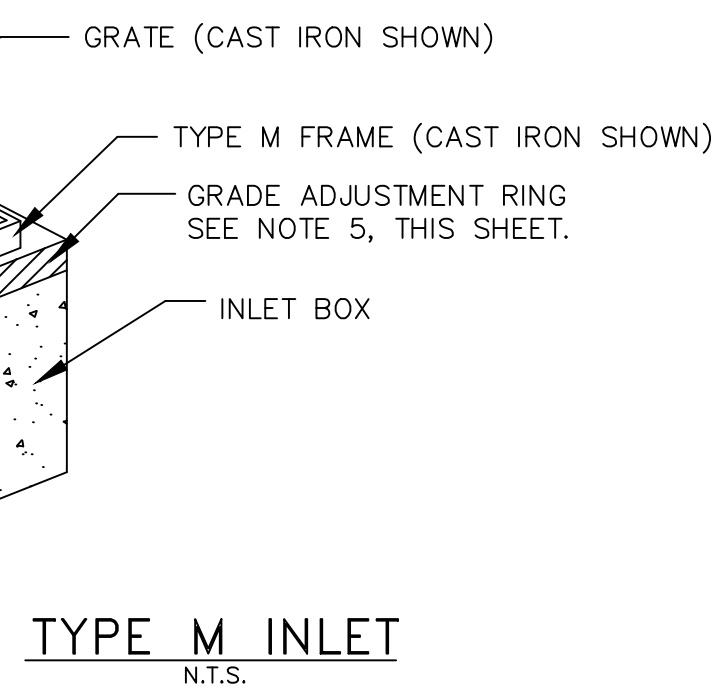
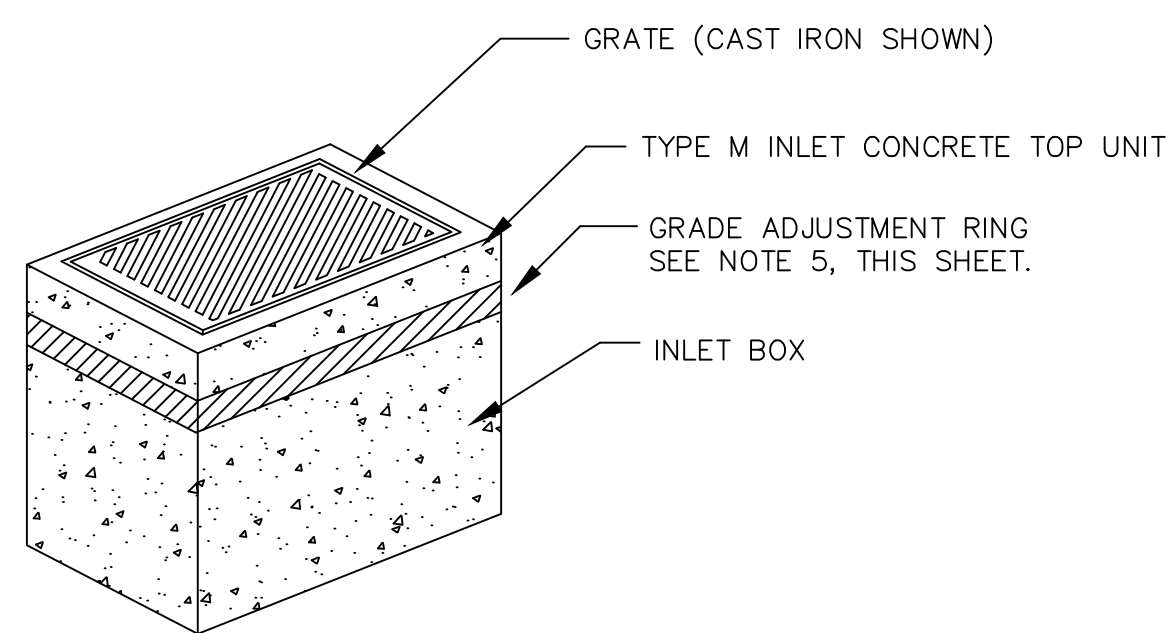
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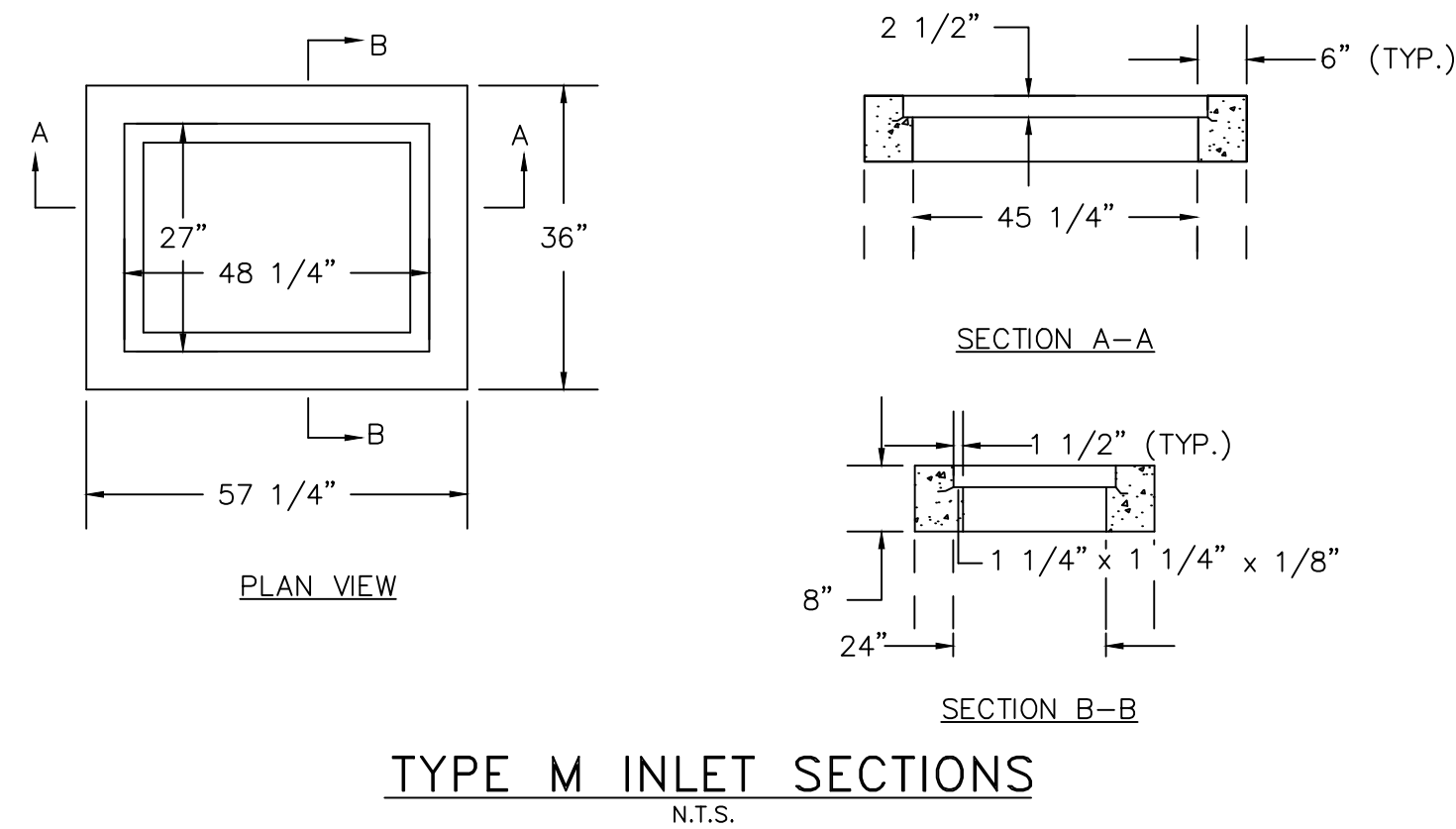
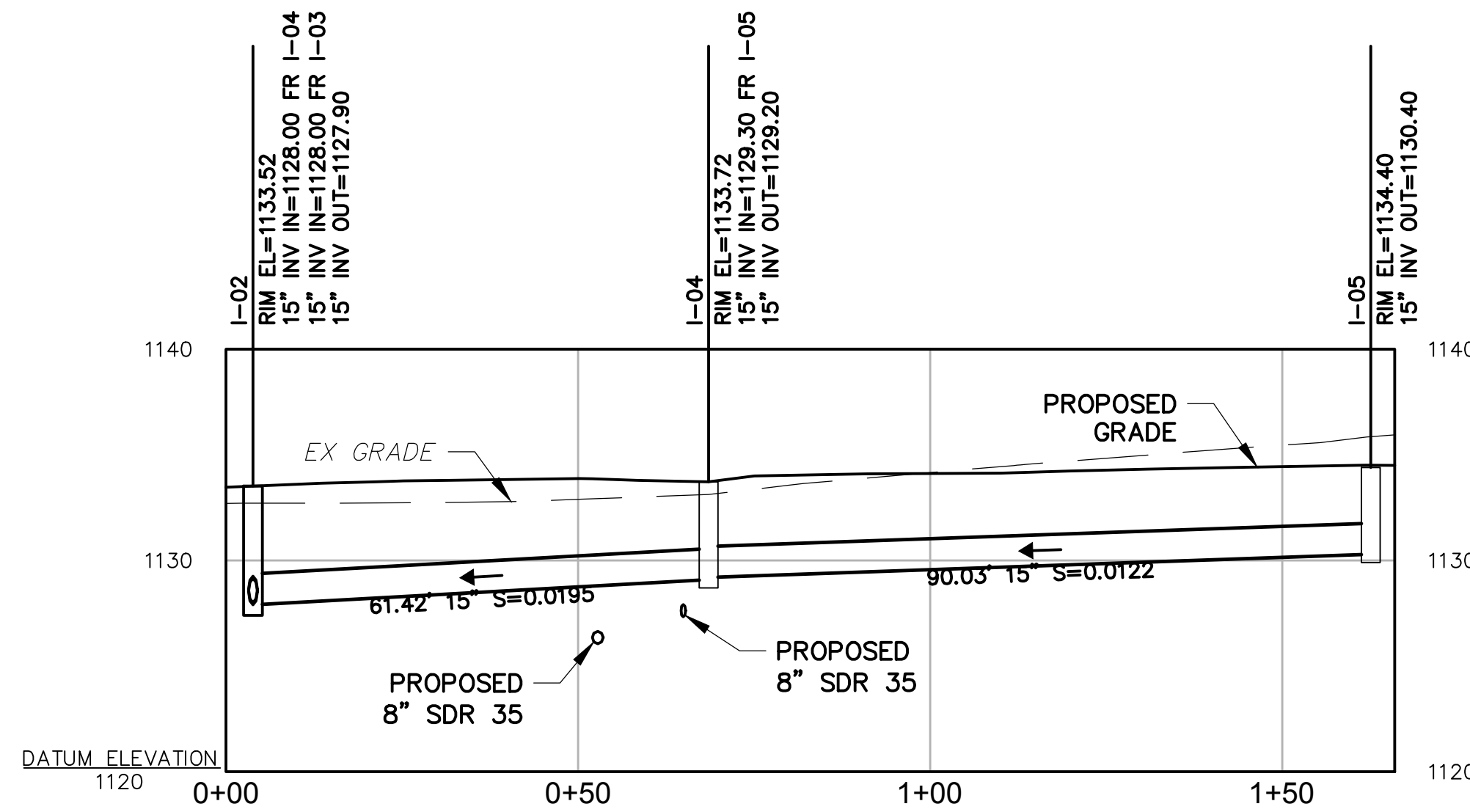
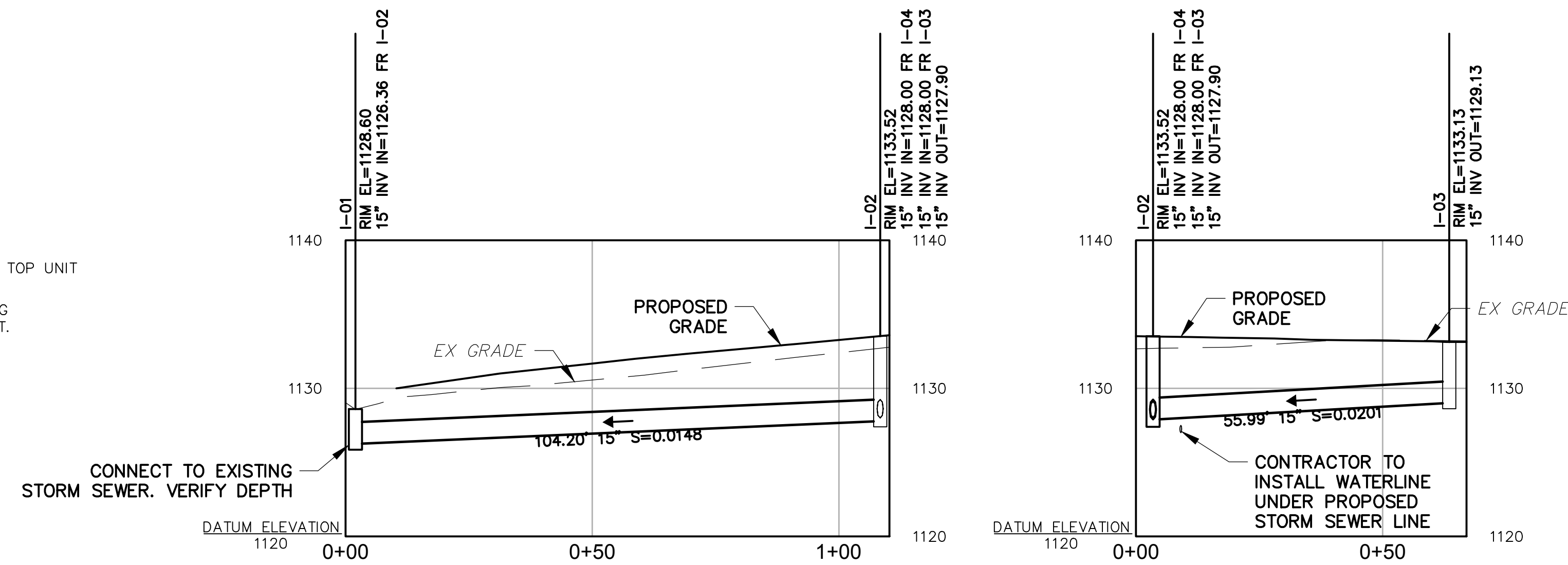
**PROPOSED
 PCSM
 PLAN**



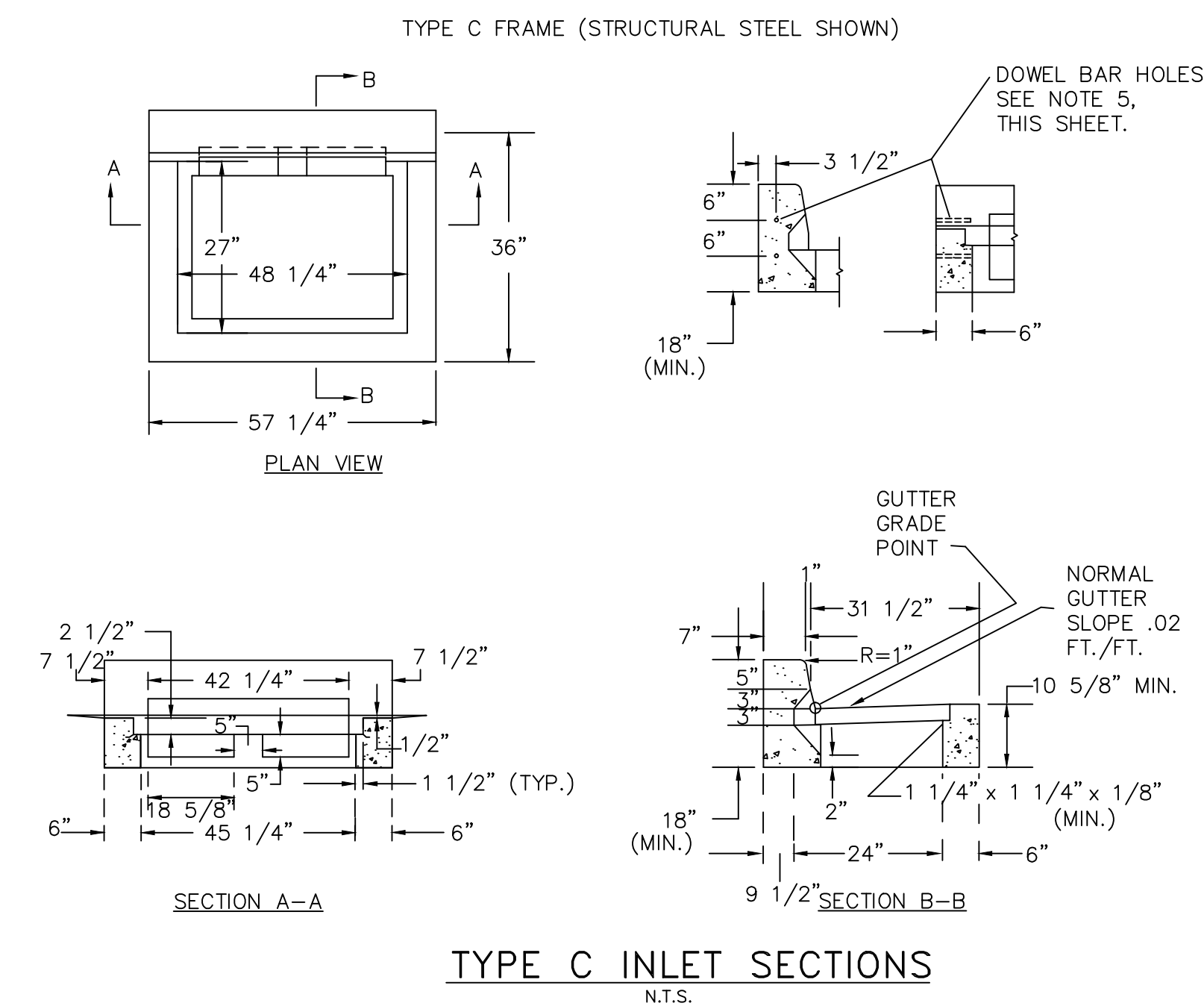
TYPE C INLET
N.T.S.



TYPE M INLET
N.T.S.



TYPE M INLET SECTIONS
N.T.S.



TYPE C INLET SECTIONS
N.T.S.

- INLET NOTES**
- THIS SHEET DEPICTS THE VARIOUS COMPONENTS REQUIRED FOR COMPLETE INLET ASSEMBLIES. FOR INDIVIDUAL COMPONENTS AND OTHER SPECIAL DETAILS, SEE THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION'S ROADWAY CONSTRUCTION DETAILS (RC-34).
 - EACH TYPE OF INLET SHOWN IS SUITED FOR A PARTICULAR SITUATION AS FOLLOWS:
 - TYPE C INLET IS DESIGNATED FOR INSTALLATION WITH NON-MOUNTABLE CURBS.
 - TYPE M INLET IS DESIGNATED FOR INSTALLATION IN MEDIAN AREAS AND MOUNTABLE CURBS.
 - THE SELECTION OF COMPONENTS TO ACHIEVE A SPECIFIED INLET ASSEMBLY IS THE CONTRACTOR'S RESPONSIBILITY.
 - CONSTRUCT IN ACCORDANCE WITH THE REQUIREMENTS OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION'S PUBLICATION 408, SECTION 605, FOR INLET ASSEMBLIES.
 - USE PRECAST CONCRETE OR MASONRY GRADE ADJUSTMENT RINGS.
 - INLETS SHALL HAVE FORMED TYPE C CONCRETE FLOW CHANNELS.
 - INLET GRATES SHALL BE INSTALLED IN INLET TOPS TO FIT FINISHED GRADE.
 - INLET GRATES SHALL BE BICYCLE SAFE GRATES.
 - INLETS 5 FT AND DEEPER REQUIRE STEPS.

INLET MAINTENANCE NOTES
INLETS WILL BE EXAMINED QUARTERLY AND DEBRIS REMOVED IF ACCUMULATED.

- INLET TOP NOTES**
- THIS SHEET DEPICTS THE SHAPE AND DIMENSIONS REQUIRED FOR UNIFORMITY AND COMPATIBILITY. IT DOES NOT INCLUDE DETAILS REQUIRED FOR MANUFACTURING AND HANDLING PRECAST TOP UNITS. ONLY TOP UNITS SUPPLIED BY A MANUFACTURER LISTED IN BULLETIN 15 SHALL BE PERMITTED. FOR A BULLETIN 15 LISTING, SUBMIT A 22" X 36" REPRODUCIBLE SHOP DRAWING TO THE BUREAU OF CONSTRUCTION AND MATERIALS, MATERIALS AND TESTING DIVISION FOR REVIEW AND APPROVAL.
 - CAST-IN-PLACE TOP UNITS MAY BE MONOLITHIC WITH THE INLET BOX.
 - PROVIDE ANGLES EMBEDDED IN THE CONCRETE AS A BEARING AREA FOR THE GRATE FOR ALL TOP UNITS WHICH SEAT THE GRATE DIRECTLY WITHIN THE UNIT.
 - PLACE A TYPE M INLET ADJACENT TO THE BACK EDGE OF THE CURB, FLUSH WITH THE PAVEMENT SURFACE, WHEN REQUIRED WITHIN A MOUNTABLE CURB SECTION.
 - DOWEL TYPE C INLET TOP UNITS WITH 2 #8 X 1'-0" DOWEL BARS AND PLACE 1/4" PREMOLDED EXPANSION JOINT FILLER WHEN CONNECTING TO ADJACENT CURB SECTIONS.
 - THE PLACEMENT OF THE TYPE S INLET RELATIVE TO THE GUTTER INVERT IS DEPENDENT ON THE RATE OF BACK SLOPE. FOR BACK SLOPES GREATER THAN 2:1, LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE BACK, TOP, OUTSIDE CORNER OF THE INLET. FOR BACK SLOPES LESS THAN 2:1, LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE EDGE OF THE INLET GRATE.

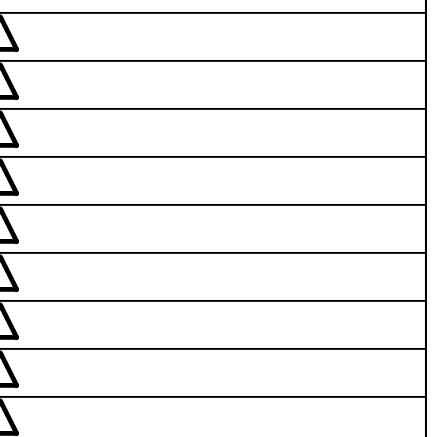
kathleen day, architect
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TRINITY HOLDINGS, LLC
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HARRISON TOWNSHIP
ALLEGHENY COUNTY
TACO BELL
FINAL PLAN



THE BADS GROUP
ENGINEERING ARCHITECTURE AND DESIGN SERVICES
15392 ROUTE 322
CLARION, PA. 16214
Phone: 814-764-5050
Fax: 814-764-5055
www.badsgroup.com



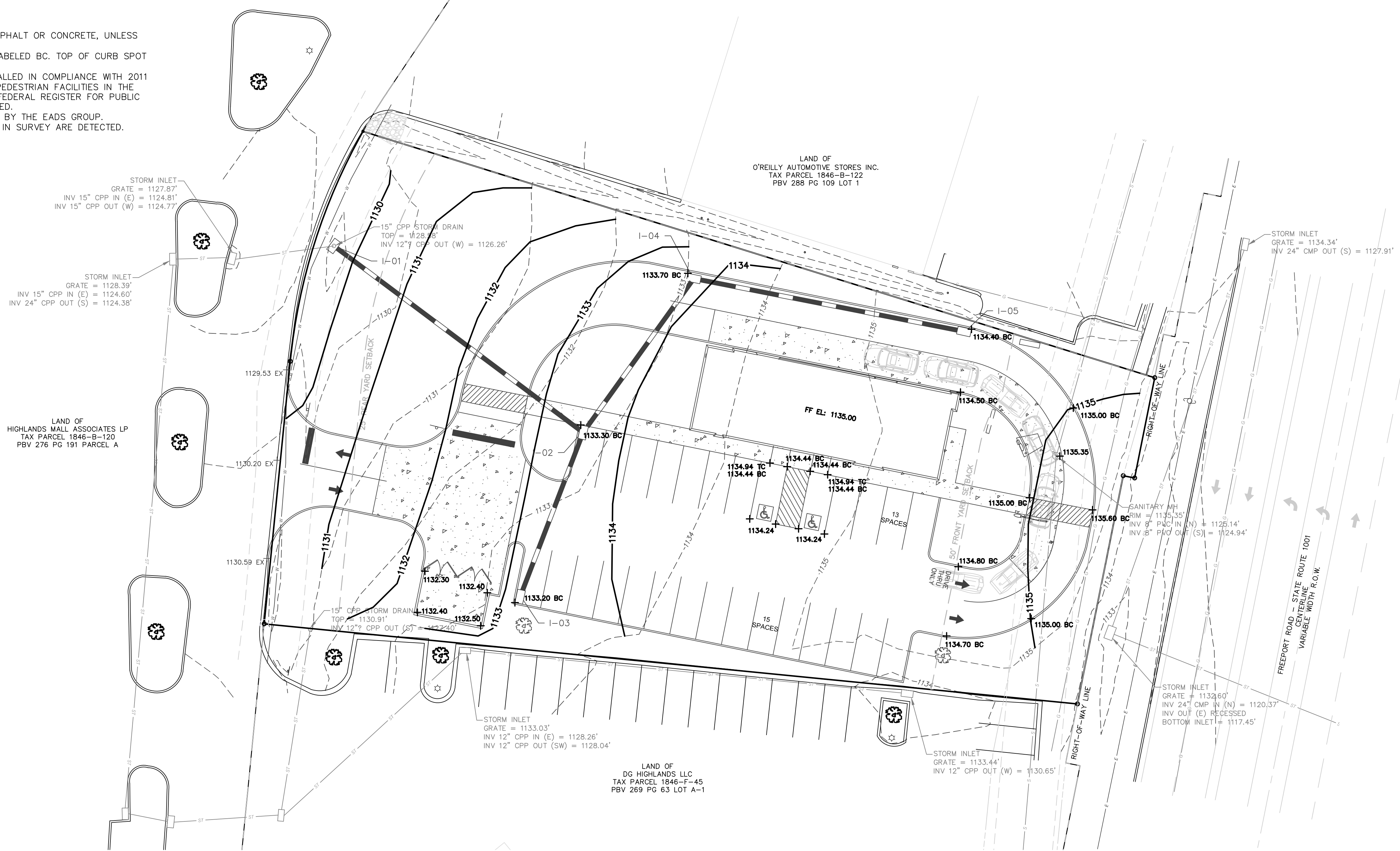
CONTRACT DATE:
BUILDING TYPE: LIVE MAS 50
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
APPROX. 4009 FREEPORT RD
NATRONA HEIGHTS, PA 15065

TACO BELL
PCSM
DETAILS
& PROFILES

NOTES:

- 1) ALL SPOT ELEVATIONS ARE TO FINISHED ASPHALT OR CONCRETE, UNLESS OTHERWISE NOTED.
- 2) BOTTOM OF CURB SPOT ELEVATIONS ARE LABELED BC. TOP OF CURB SPOT ELEVATIONS ARE LABELED TC.
- 3) ALL SIDEWALKS AND RAMPS MUST BE INSTALLED IN COMPLIANCE WITH 2011 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY, PUBLISHED IN THE FEDERAL REGISTER FOR PUBLIC COMMENT ON JULY 26, 2011 OR AS AMENDED.
- 4) EXISTING TOPOGRAPHIC SURVEY COMPLETED BY THE EADS GROUP. CONTRACTOR TO NOTIFY OWNER IF ERRORS IN SURVEY ARE DETECTED.



LAND OF
O'REILLY AUTOMOTIVE STORES INC.
TAX PARCEL 1846-B-122
PBV 288 PG 109 LOT 1

LAND OF
HIGHLANDS MALL ASSOCIATES LP
TAX PARCEL 1846-B-120
PBV 276 PG 191 PARCEL A

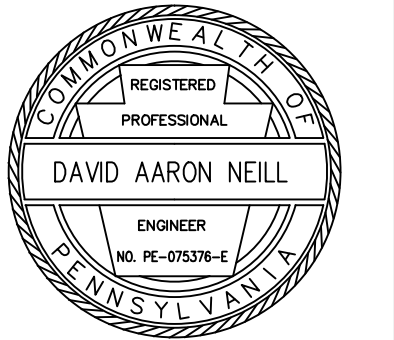
LAND OF
DG HIGHLANDS LLC
TAX PARCEL 1846-F-45
PBV 269 PG 63 LOT A-1

--- 1420 ---	EXISTING CONTOURS	— 1415 —	PROPOSED CONTOURS
---	BUILDING SETBACKS	— W —	PROPOSED WATER
---	PROPERTY LINES	— S —	PROPOSED SANITARY SEWER LINE
---	RIGHT OF WAY	□	PROPOSED STORM WATER INLETS
— E —	EXISTING UTILITY POLE, OVERHEAD LINE & GUY WIRE	—	PROPOSED STORM WATER PIPE ALL STORM WATER PIPING TO BE HDPE (ADS N-12 OR EQUIVALENT)
— S —	EXISTING SANITARY SEWER	—	PROPOSED CURB
— G —	EXISTING GAS LINE	— G —	PROPOSED GASLINE
—	EXISTING CURB	— RD —	ROOF DRAIN CONNECTION
— ST —	EXISTING STORM WATER PIPE	⊕	HANDICAP ACCESSIBLE PARKING
□	EXISTING STORM WATER INLETS	1421.0 x	PROPOSED SPOT ELEVATIONS
— W —	EXISTING MUNICIPAL WATER LINE	— UE —	PROPOSED UNDERGROUND ELECTRIC
○	EXISTING PIPE	▒	CONCRETE PAVING
⊗	EXISTING ANGLE IRON	—	EXISTING GUIDE RAIL
•	SURVEY CORNER (NOT SET)		
⊙	MAG NAIL		
⊠	PROPOSED SANITARY CLEAN OUT		
⊞	FEMA 100 YEAR STORM FLOOD PLAIN LIMIT		

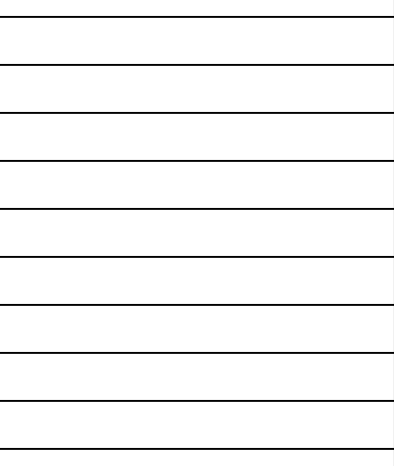
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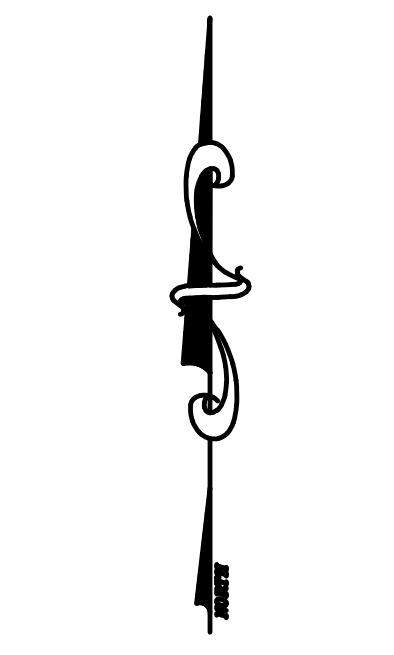
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BUILDING TYPE: LIVE MAS 50
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

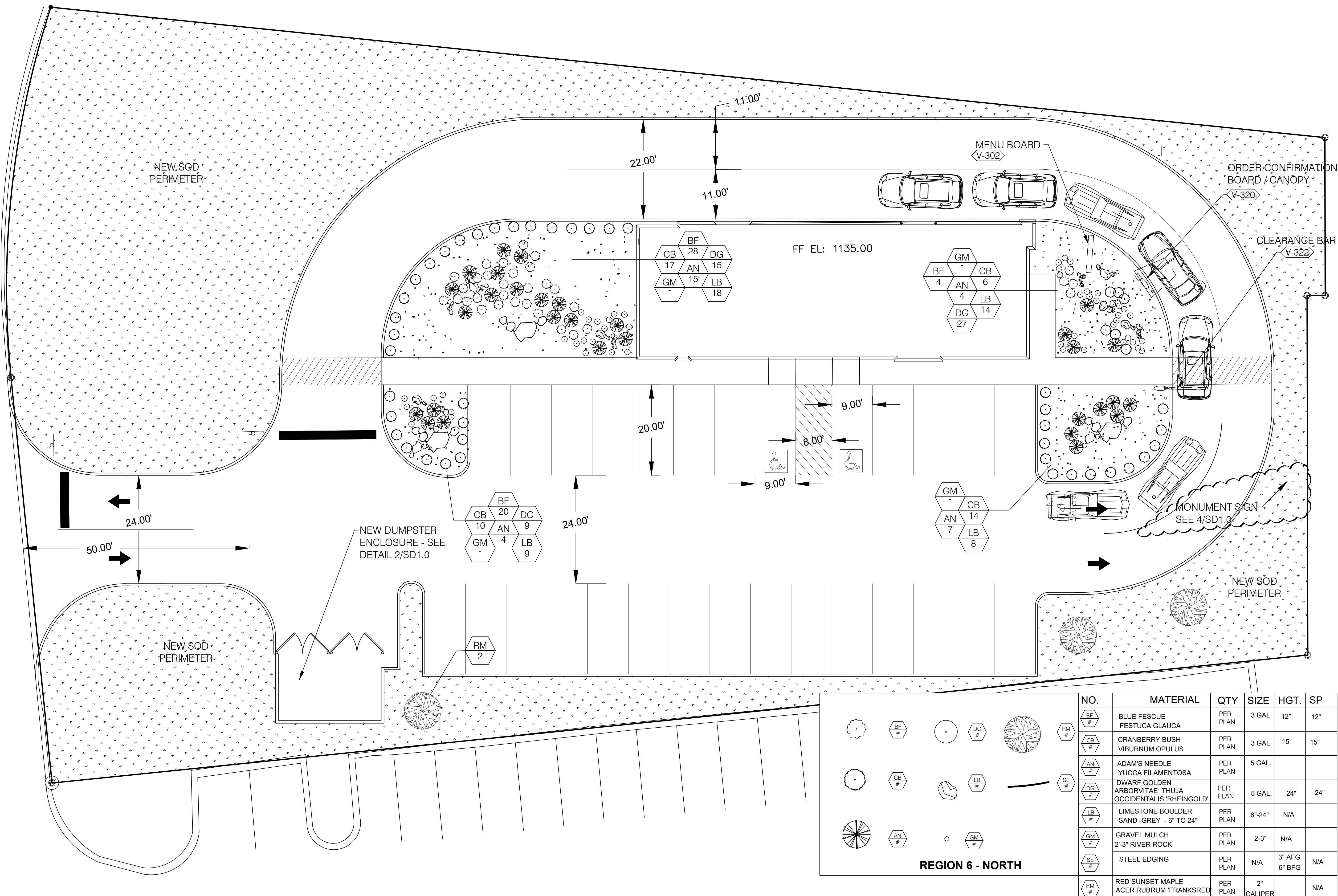
TACO BELL
APPROX. 4009 FREEPORT RD
NATRONA HEIGHTS, PA 15065



**PROPOSED
GRADING
PLAN**

GP
PERMIT PLOT DATE: 3-28-17





- ▲ CHARTER COMMENTS ~ 04.12.17
- ▲ PLANNING ~ 05.03.17
- ▲ SIGN APPLICATION ~ 05.31.17
- ▲
- ▲
- ▲
- ▲
- ▲

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

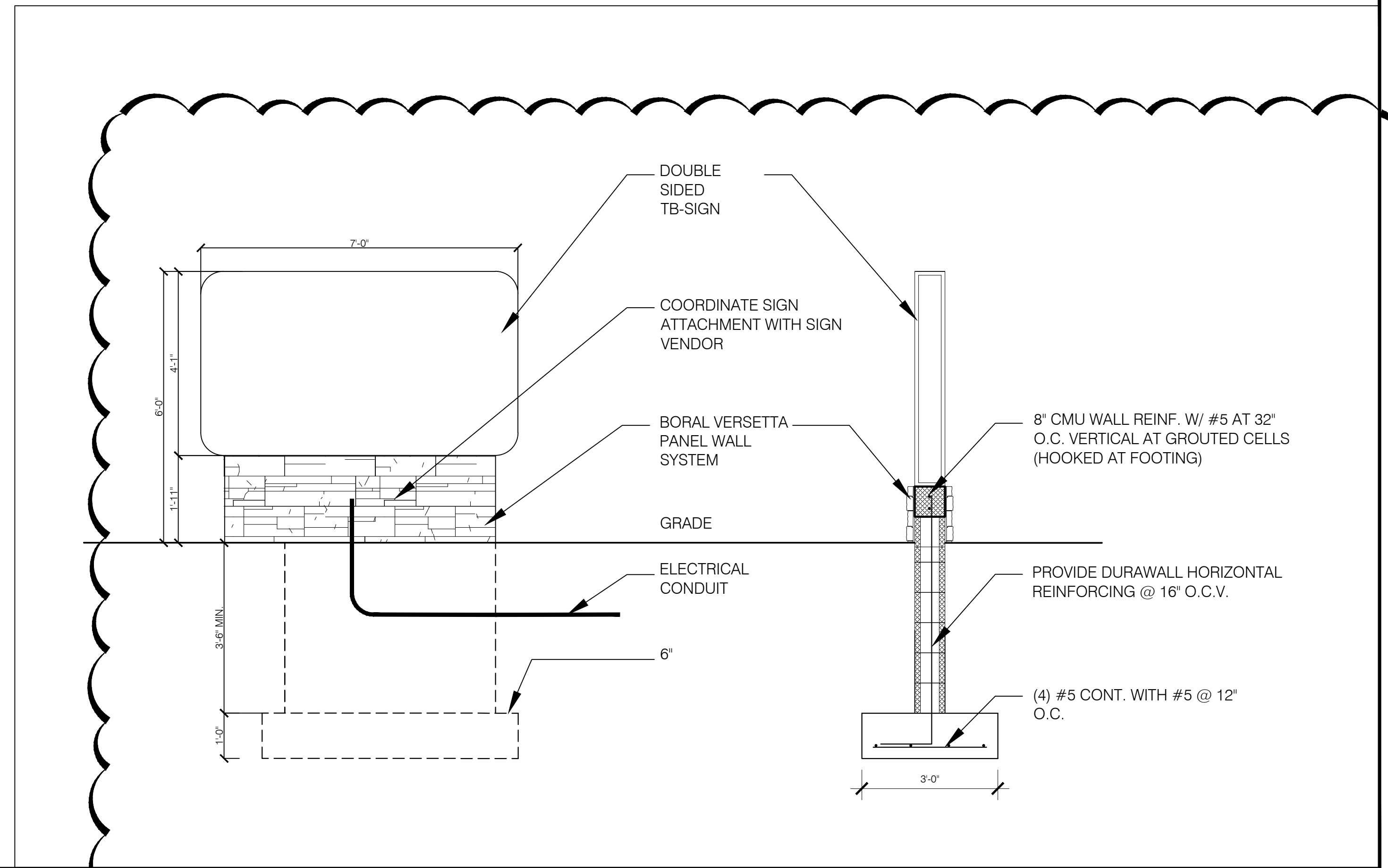
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE
SIGN & LANDSCAPE PLAN

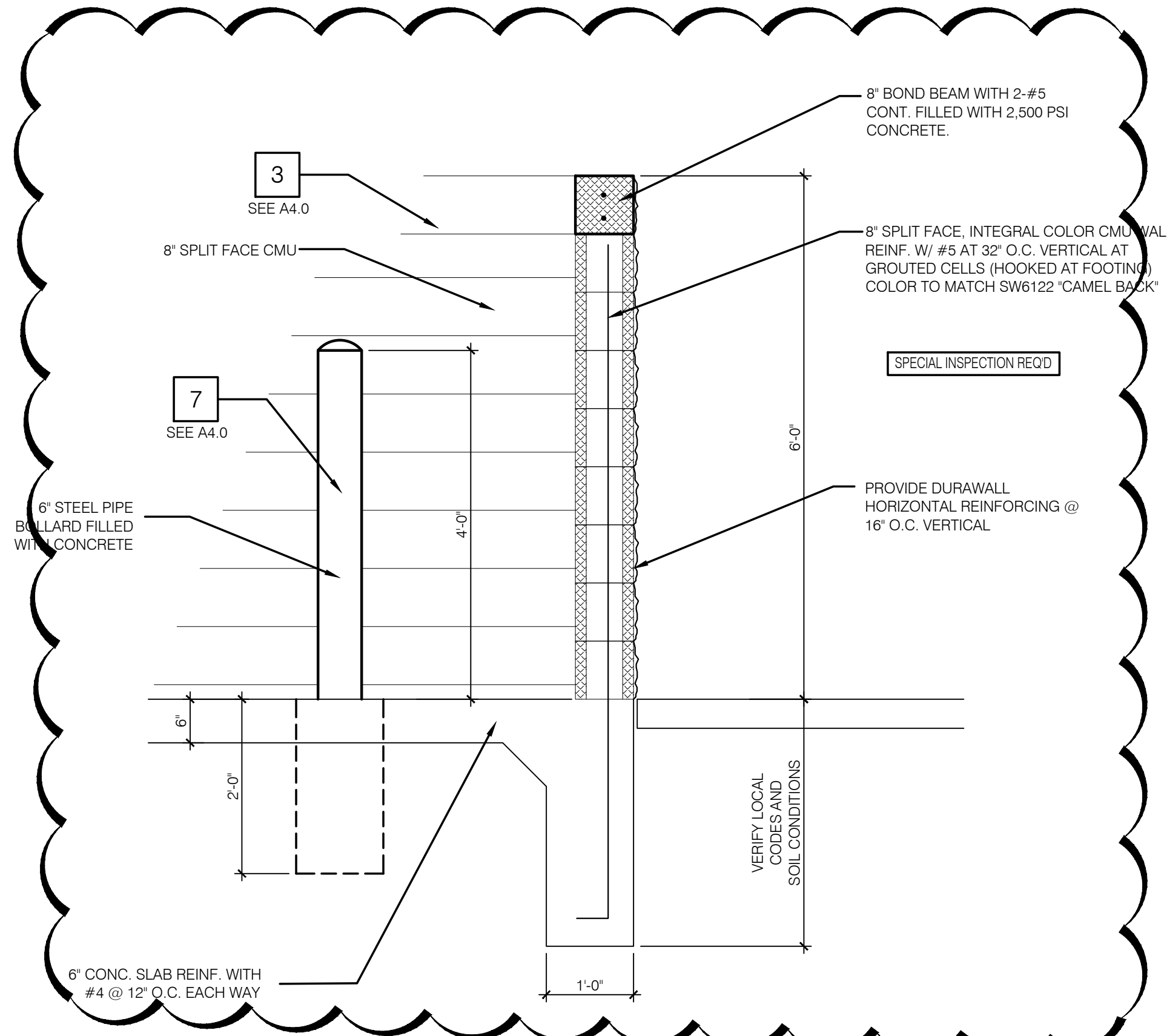
SDO.0

PERMIT PLOT DATE:

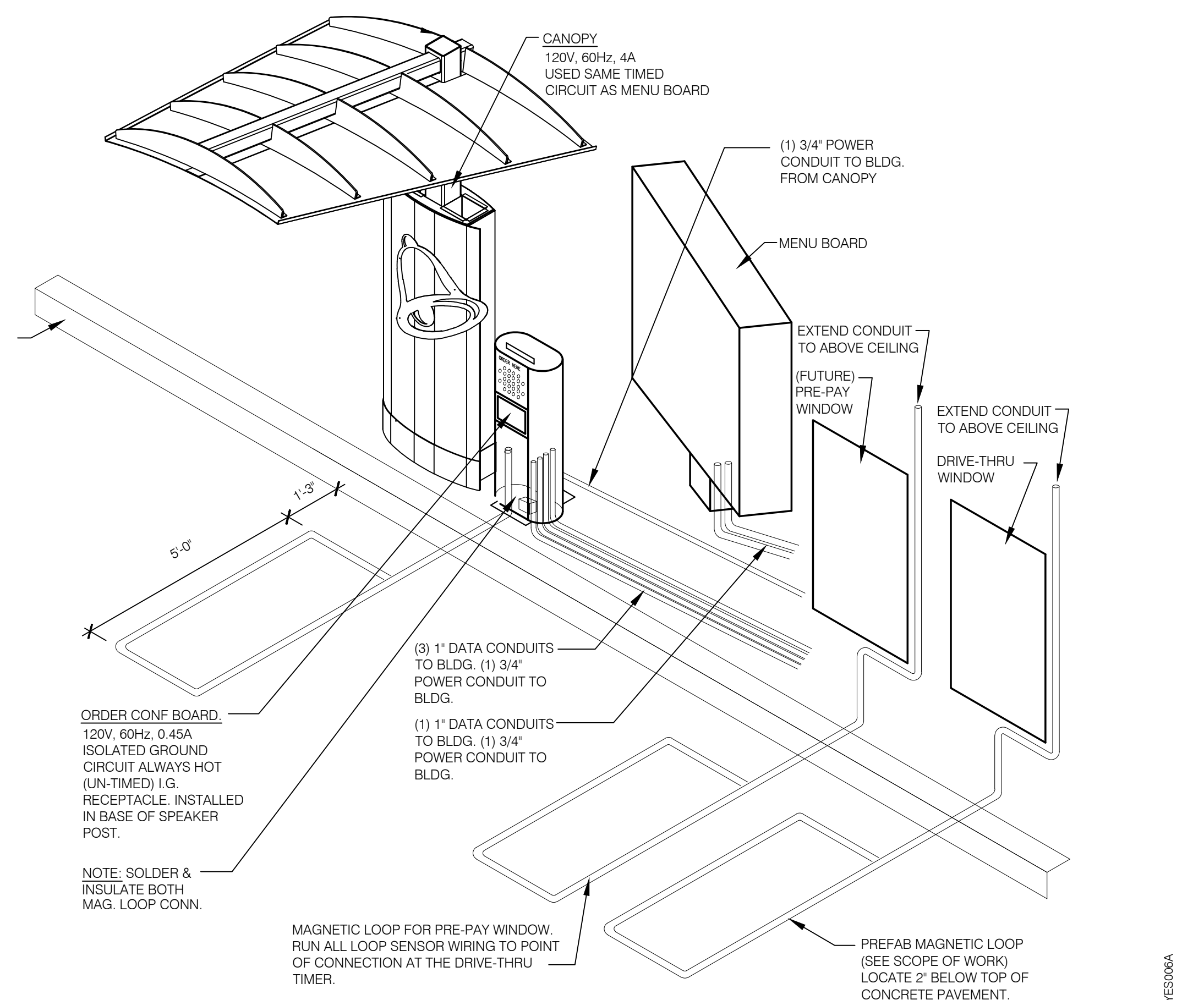
NO.	MATERIAL	QTY	SIZE	HGT.	SP
BF #	BLUE FESCUE FESTUCA GLAUCA	PER PLAN	3 GAL.	12"	12"
CB #	CRANBERRY BUSH VIBURNUM OPULUS	PER PLAN	3 GAL.	15"	15"
AN #	ADAM'S NEEDLE YUCCA FILAMENTOSA	PER PLAN	5 GAL.		
DG #	DWARF GOLDEN ARBORVITAE 'THUJA OCCIDENTALIS 'RHEINGOLD'	PER PLAN	5 GAL.	24"	24"
LB #	LIMESTONE BOULDER SAND - GREY - 6" TO 24"	PER PLAN	6"-24"	N/A	
GM #	GRAVEL MULCH 2'-3" RIVER ROCK	PER PLAN	2-3"	N/A	
SE #	STEEL EDGING	PER PLAN	N/A	3" AFG 6" BFG	N/A
RM #	RED SUNSET MAPLE ACER RUBRUM 'FRANKSRED'	PER PLAN	2" CALIPER		N/A



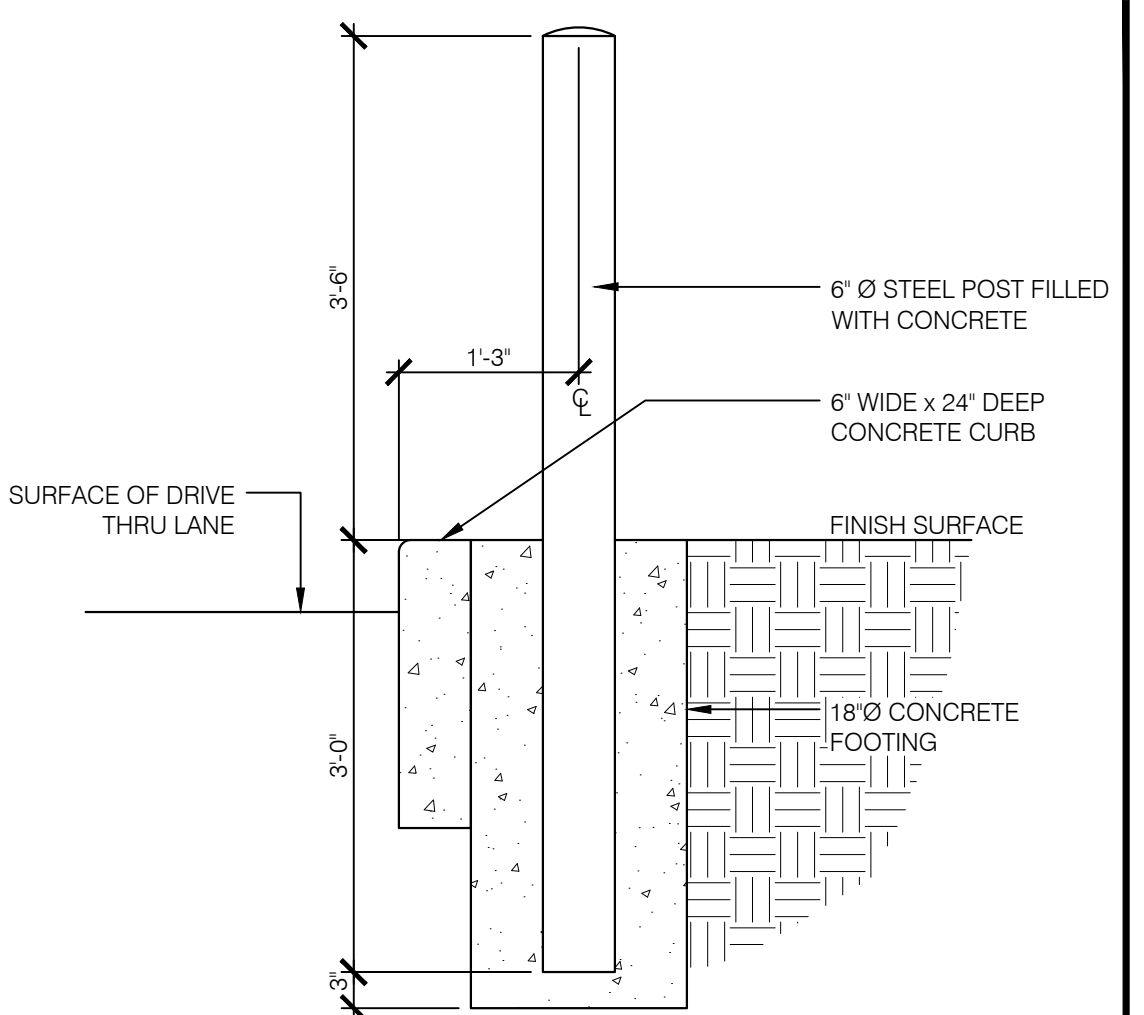
MONUMENT SIGN 1/2" = 1'-0" **4**



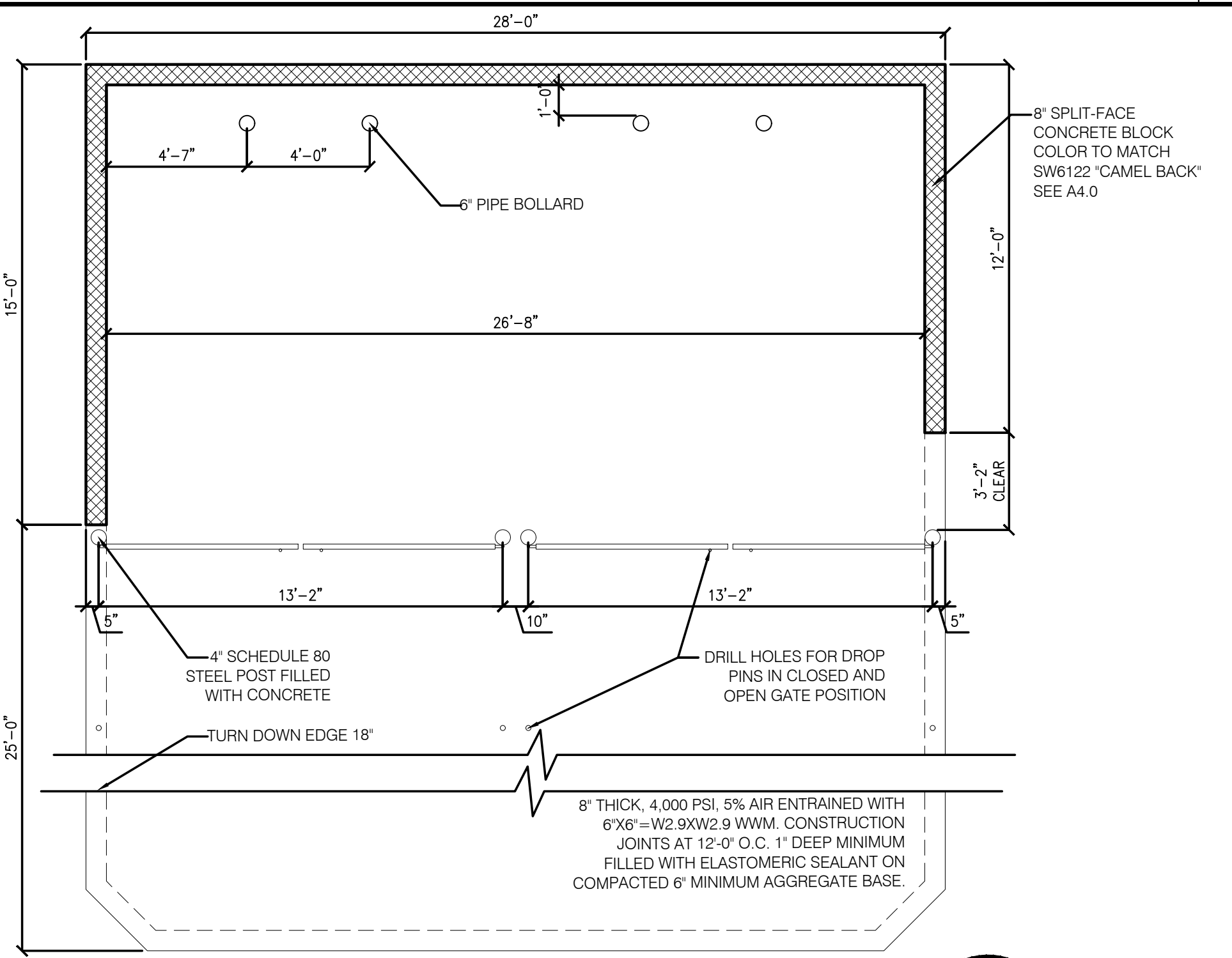
DUMPSTER SECTION 3/4" = 1'-0" **1**



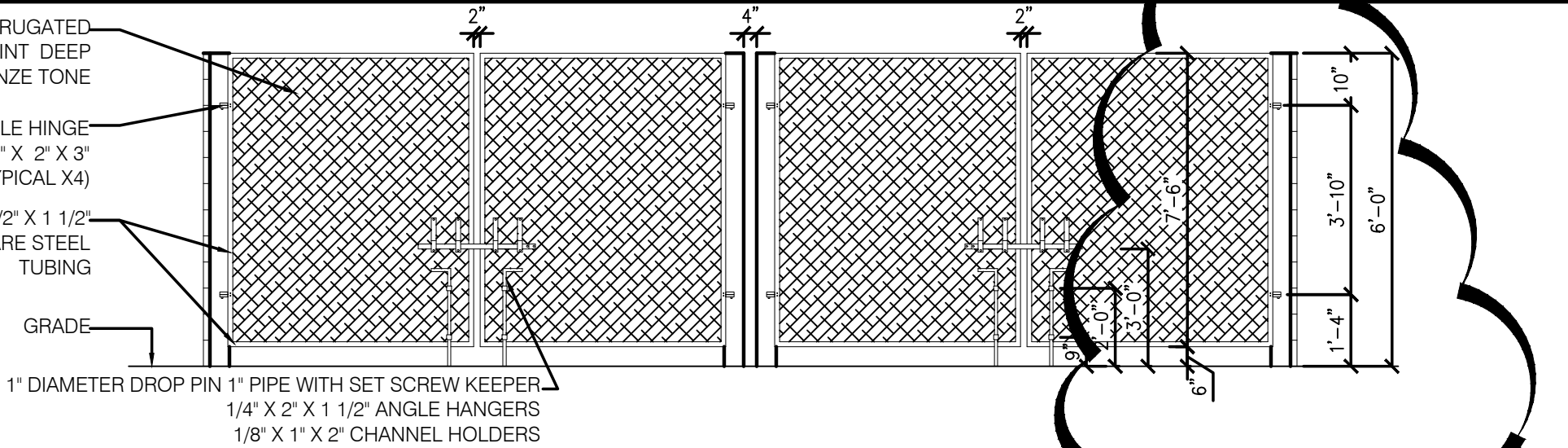
DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. **6**



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



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



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



MONUMENT	04.27.17
PLANNING	05.03.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

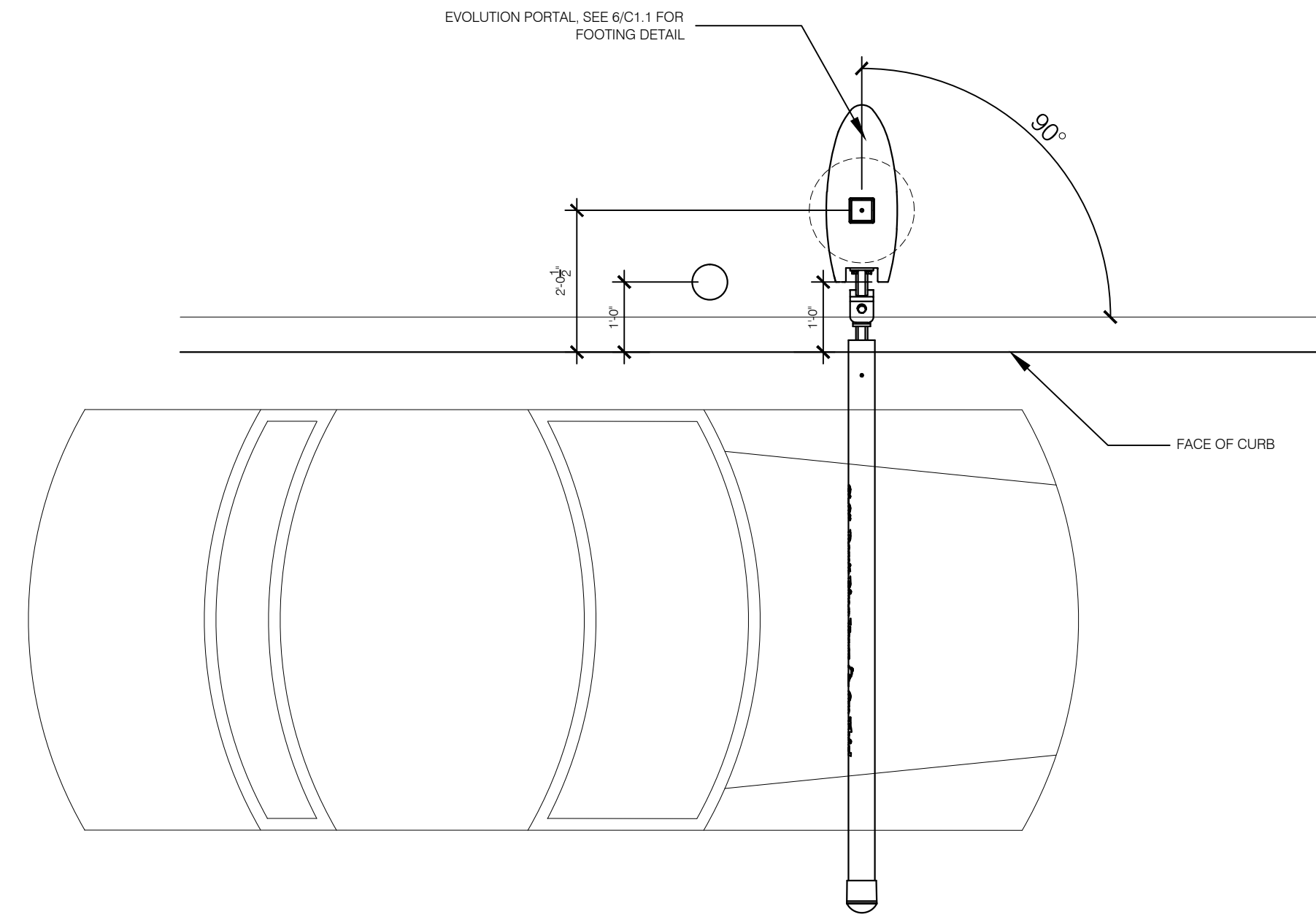
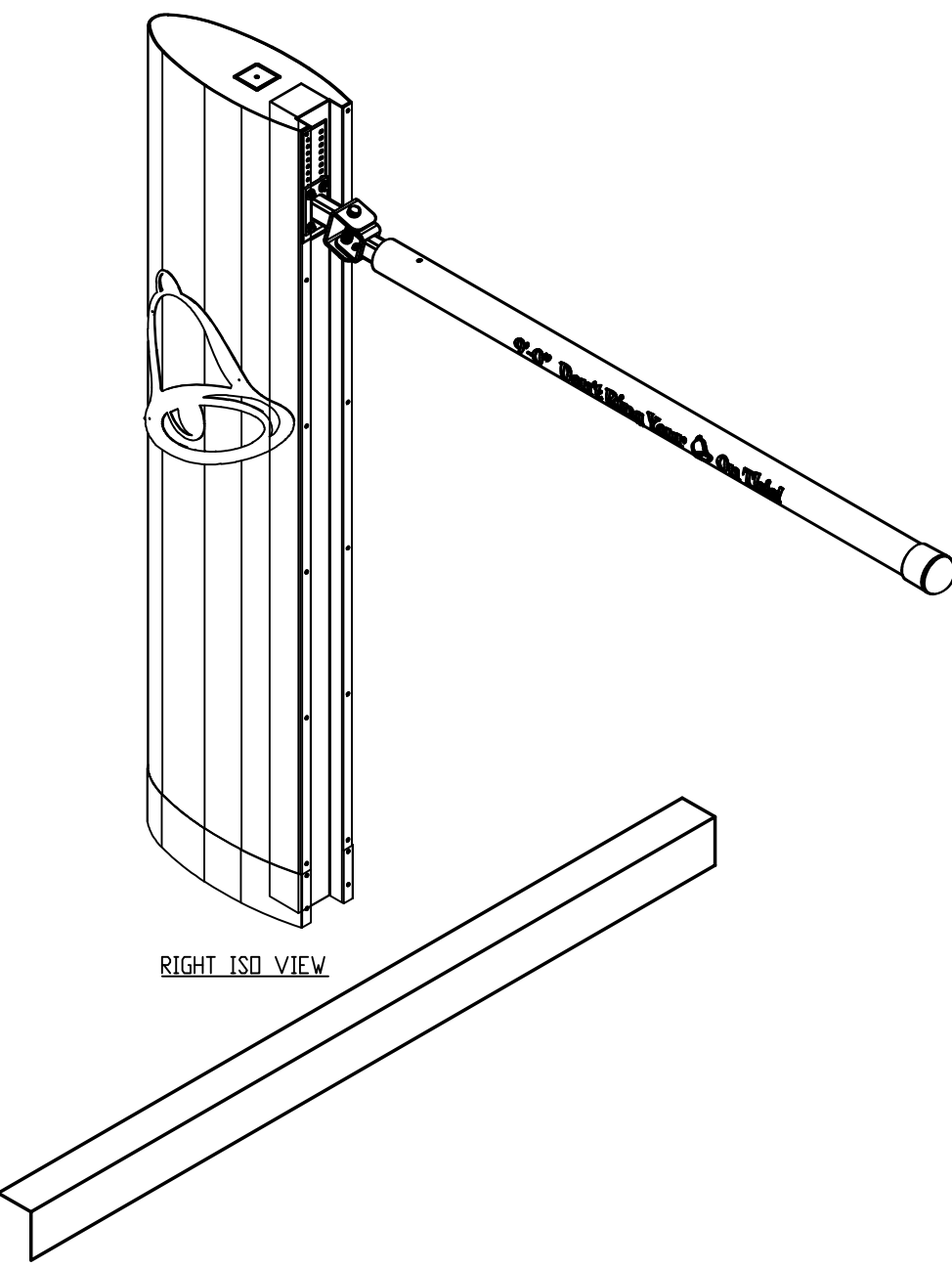
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



SITE DETAILS

SD1.0

PERMIT PLOT DATE:

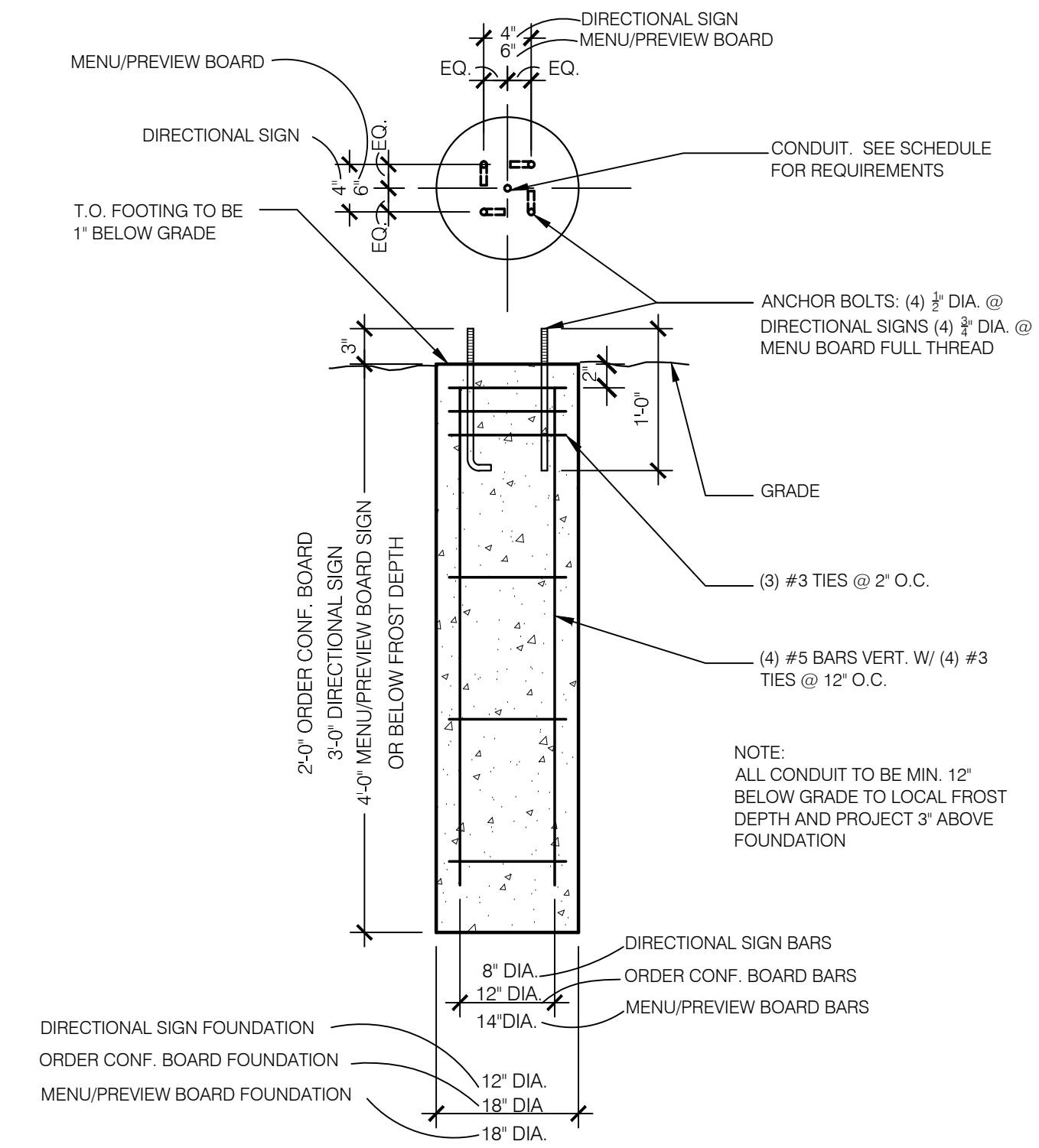


PORTAL PLACEMENT DETAIL 1/2" = 1'-0" **3**

NOTE:
 BOLT PATTERN PROVIDED AS
 EXAMPLE - OBTAIN ANCHOR
 BOLT TEMPLATE FROM
 SUPPLIER

CONDUIT SCHEDULE

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
DCB	(1) 3/4"	(3) 1"
MENU BOARD	(1) 3/4"	-



NOTE:
 ALL CONDUIT TO BE MIN. 12"
 BELOW GRADE TO LOCAL FROST
 DEPTH AND PROJECT 3" ABOVE
 FOUNDATION

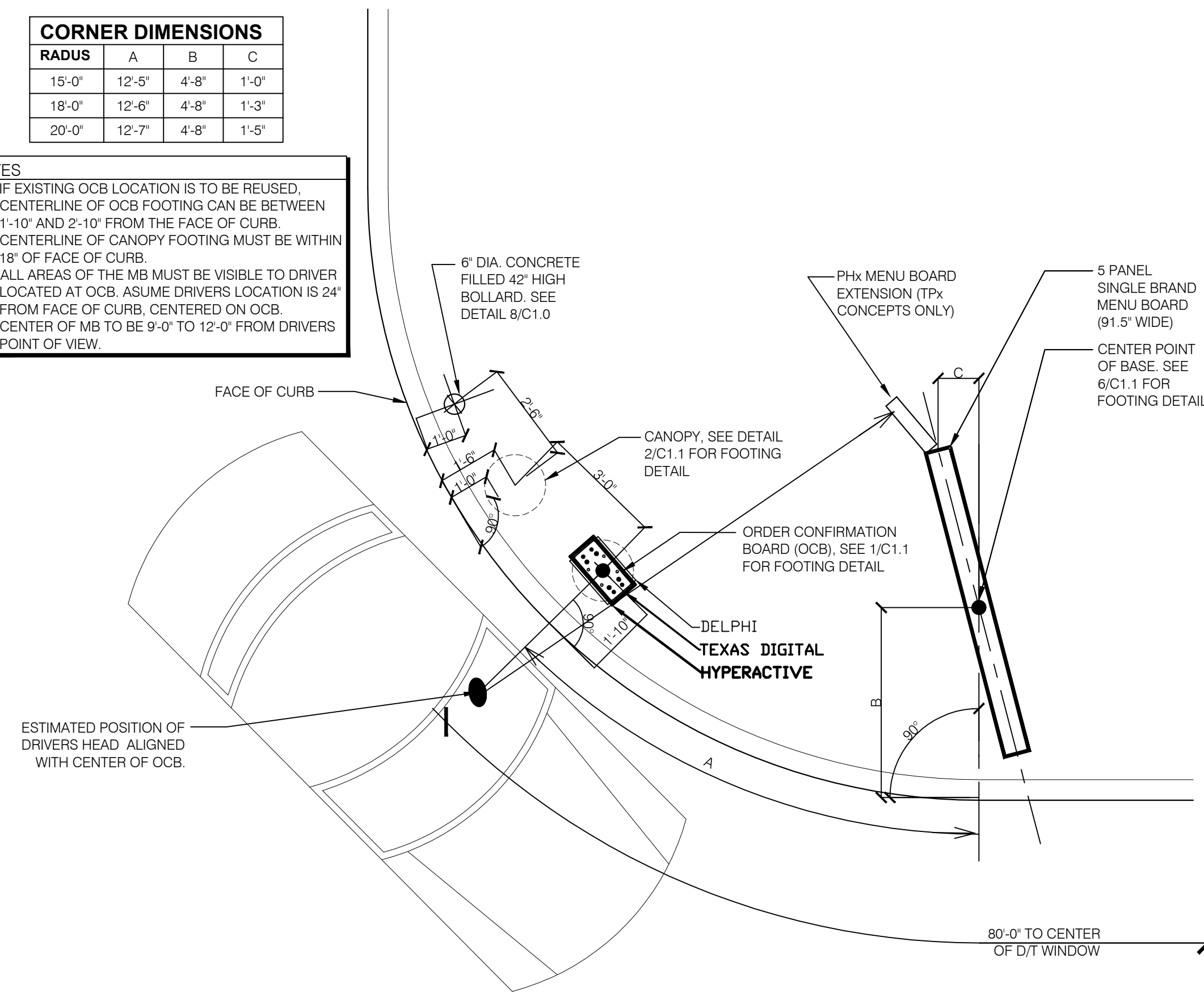
TCS0004A

MENU BOARD FOOTING 1:16 SCALE **1**

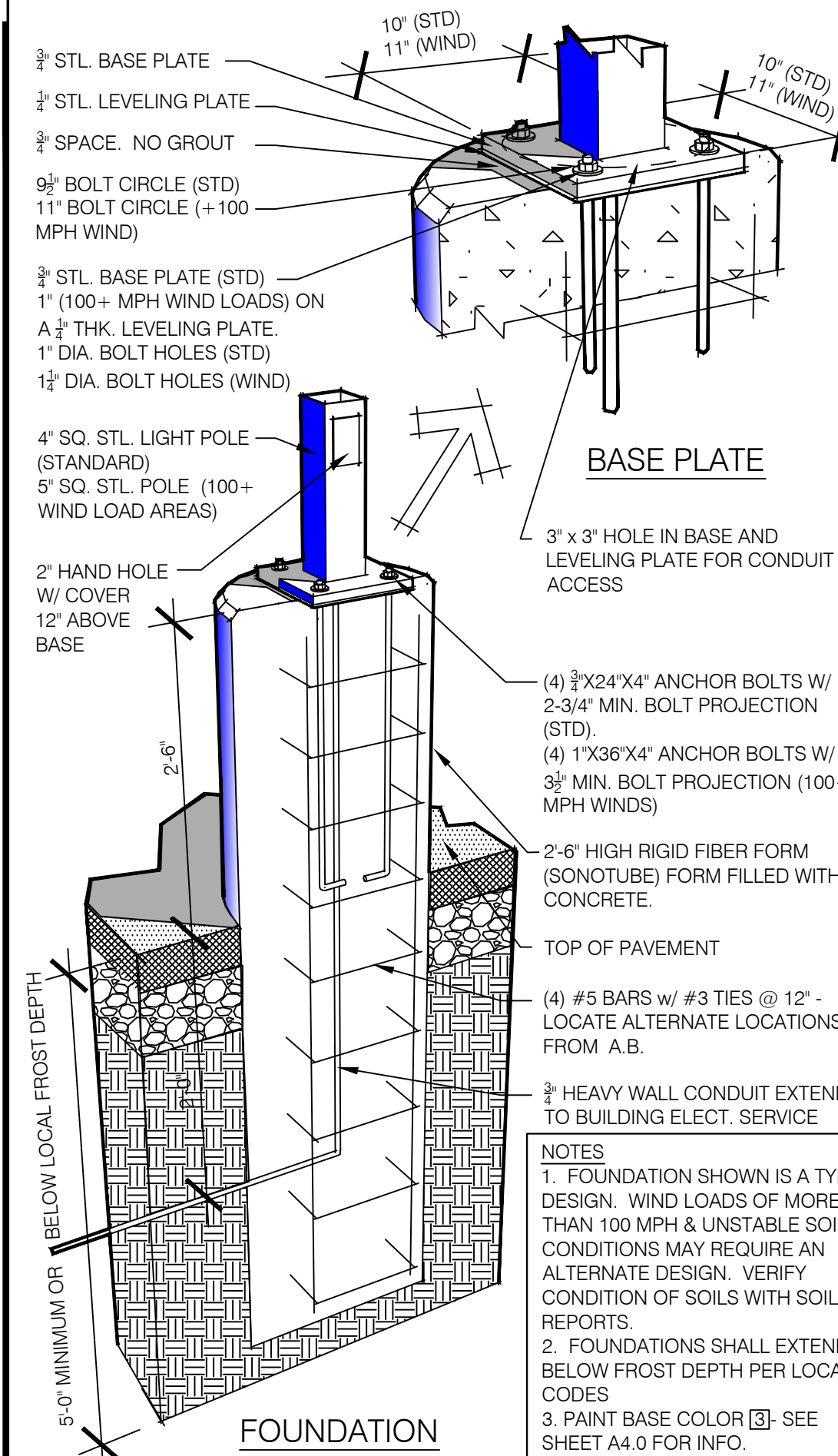
CORNER DIMENSIONS

RADIUS	A	B	C
15'-0"	12'-5"	4'-8"	1'-0"
18'-0"	12'-6"	4'-8"	1'-3"
20'-0"	12'-7"	4'-8"	1'-5"

- NOTES**
- IF EXISTING OCB LOCATION IS TO BE REUSED, CENTERLINE OF OCB FOOTING CAN BE BETWEEN 1'-10" AND 2'-10" FROM THE FACE OF CURB.
 - CENTERLINE OF CANOPY FOOTING MUST BE WITHIN 18" OF FACE OF CURB.
 - ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT OCB, ASSUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON OCB.
 - CENTER OF MB TO BE 9'-0" TO 12'-0" FROM DRIVERS POINT OF VIEW.

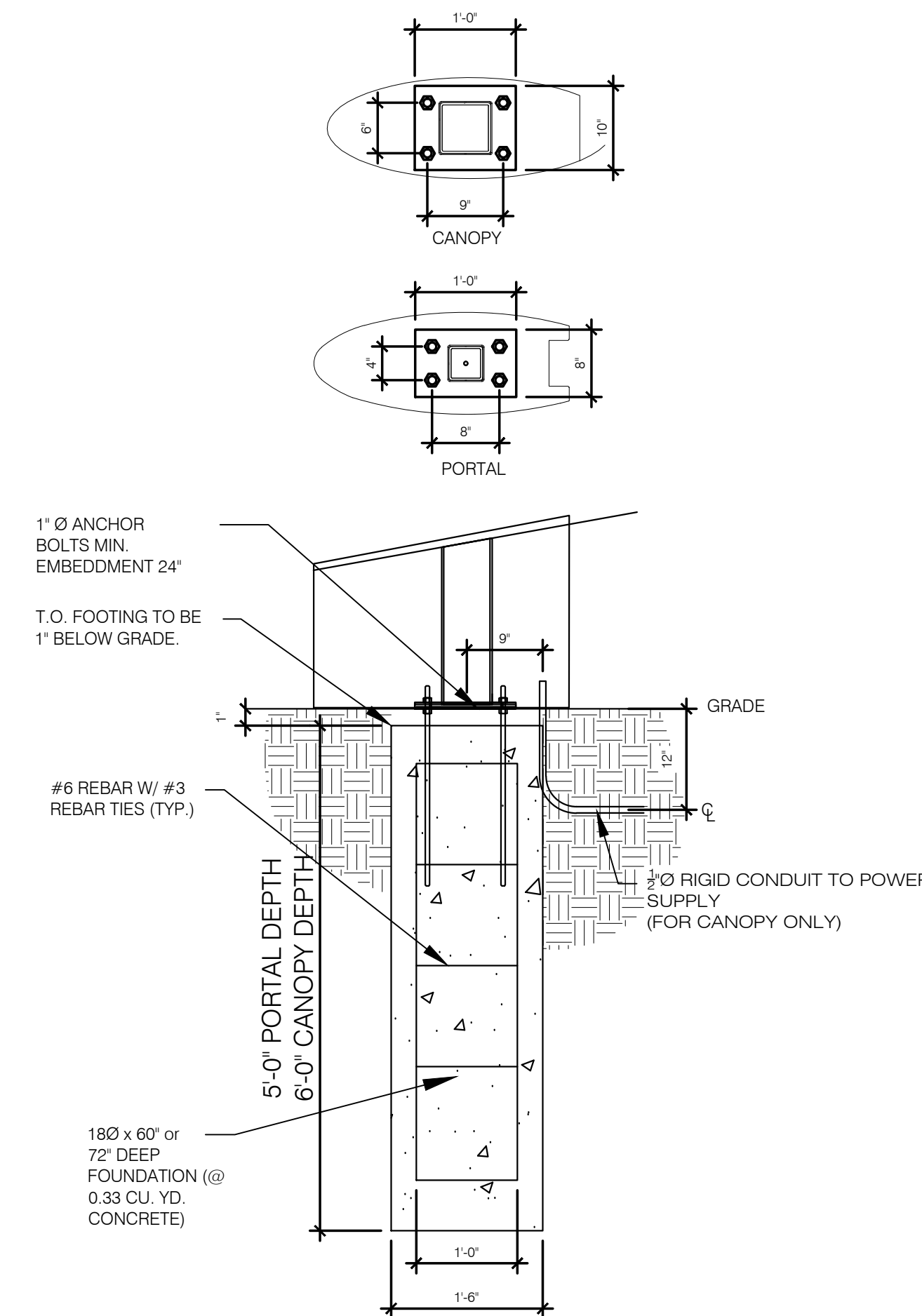


ENLARGED MENU BOARD DETAIL **16**

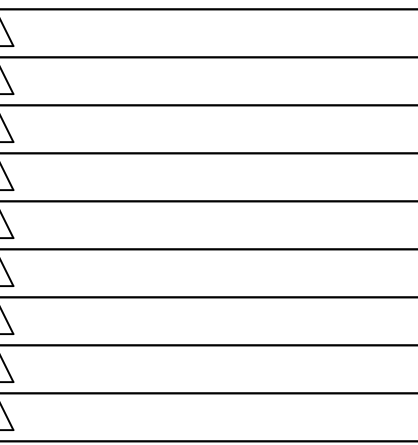


- NOTES**
- FOUNDATION SHOWN IS A TYP. DESIGN. WIND LOADS OF MORE THAN 100 MPH & UNSTABLE SOIL CONDITIONS MAY REQUIRE AN ALTERNATE DESIGN. VERIFY CONDITION OF SOILS WITH SOILS REPORTS.
 - FOUNDATIONS SHALL EXTEND BELOW FROST DEPTH PER LOCAL CODES
 - PAINT BASE COLOR [] - SEE SHEET A4.0 FOR INFO.

LIGHT POLE FOOTING N.T.S. **12**



EVOLUTION FOOTINGS 1:16 SCALE **2**



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL

TBD Freeport Road
 Natrona Heights, PA 15065



LIVE MAS

LARGE50 - REVERSE

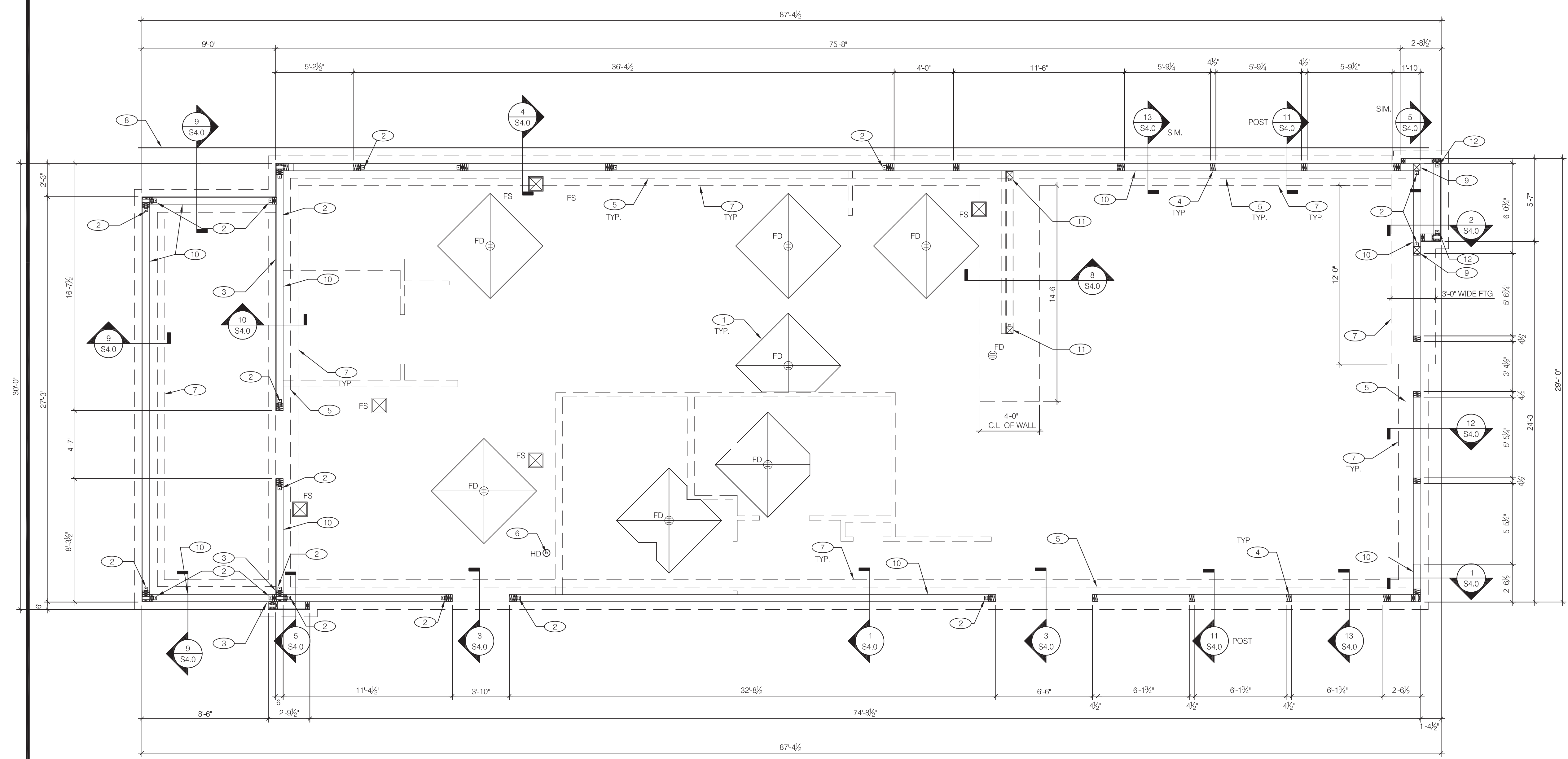
SITE DETAILS

SD2.0

PERMIT PLOT DATE:



03.22.17



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):	30 PSF	SITE CLASS: D	
EXPOSURE FACTOR (Ce):	1.0	MAPPED SPECTRAL RESPONSE ACCEL:	
IMPORTANCE FACTOR (I):	1.0	S _s : 0.1133	
FLAT-ROOF SNOW LOAD (P _f):	30 PSF + DRIFT	S ₁ : 0.0523	
THERMAL FACTOR (C _t):	1.0	SPECTRAL RESPONSE COEFF.: 1.0	
ROOF LOADS:		SHORT PERIODS (SDS): 0.121	
LIVE LOAD:	20 PSF	1 SEC. PERIODS (SD1): 0.084	
DEAD LOAD:	20 PSF	FRAMING SYSTEMS:	
WIND LOADS:		BASIC STRUCTURAL SYSTEM: LOAD BEARING WALL SYSTEM	
3 SECOND GUST:	90 MPH	WOOD SHEAR WALLS	
IMPORTANCE FACTOR:	1.0	SEISMIC-RESTRICTING SYSTEM:	
EXPOSURE CATEGORY (MWFRS):	B	RESPONSE MOD. FACTOR (R): 6.5	
INTERNAL PRESSURE COEFF.:	±0.18	DEFL. AMPL. FACTOR (Cd): 4.0	
COMPONENT & CLADDING DESIGN PRESSURE:	24.4 PSF	DESIGN BASE SHEAR (V): 0.019W	
DESIGN UPLIFT (NET):	10.0 PSF	ANALYSIS BY EQUIVALENT LATERAL FORCE PROCEDURE	

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

DESIGN CRITERIA **F**

FOUNDATION

- NO GEOTECHNICAL SOILS INVESTIGATION OF THE ON-SITE SOILS WAS PERFORMED.
- CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
- FOUNDATION DESIGN IS BASED ON AN ASSUMED 1,500 PSF ALLOWABLE BEARING CAPACITY PER THE BUILDING CODE REQUIREMENTS.
- CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
- SINCE NO GEOTECHNICAL SOILS RECOMMENDATIONS ARE AVAILABLE FOR THE PREPARATION OF THE ON SITE SOILS, THE FOUNDATION MAY BE SUBJECT TO DIFFERENTIAL FOUNDATION MOVEMENT WHICH COULD CAUSE DISTRESS TO THE ARCHITECTURAL FINISHES AND STRUCTURE ABOVE. FURTHER, UNDERGROUND UTILITY CONNECTIONS BENEATH THE FOUNDATION COULD ALSO BE AFFECTED.
- 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 GENERALIZED AND NOT PROVIDED BY A GEOTECHNICAL ENGINEER.
- UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH THE BUILDING AND FIVE FEET BEYOND, BUILDING IS REFERRING TO AND INCLUDES ALL AREAS AS SHOWN ON SHEET S1.0, THE VAPOR BARRIER, WHERE REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL

BUILDING.

- ALL VEGETATION, CONCRETE, STUMPS, BRUSH, ABANDONED STRUCTURES, ROOTS, RUBBISH, AND ANY OTHER UNDESIRABLE MATTER SHOULD BE REMOVED.
- 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 4 INCHES. THE STRUCTURAL FILL MATERIAL SHOULD HAVE 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 98 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. EACH LIFT OF STRUCTURAL FILL SHOULD BE TESTED.
- 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.

CONCRETE:

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

LOCATION	MIN. STRENGTH	AGGREGATE	SUMP	TOLERANCE
SLAB ON GRADE	4,000 (DESIGN)	1" x #4	3'-12"	±1/2"
FOUNDATIONS	3,000 (DESIGN)	1" x #4	3'-12"	±1/2"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.

C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

E. ANCHOR BOLTS - A308 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 #6@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.

FOUNDATION PLAN NOTES **C**

- 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 HOLDOWN, REFER TO S&E 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 HOLDOWN.
- 6" WIDE x 6" HIGH CURB.
- HD19 HOLDDOWN ANCHOR AT EACH END OF INTERIOR SHEARWALL. SEE DETAIL 7/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- HTTS HOLDOWN ANCHOR. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

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

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



FOUNDATION PLAN

S1.0

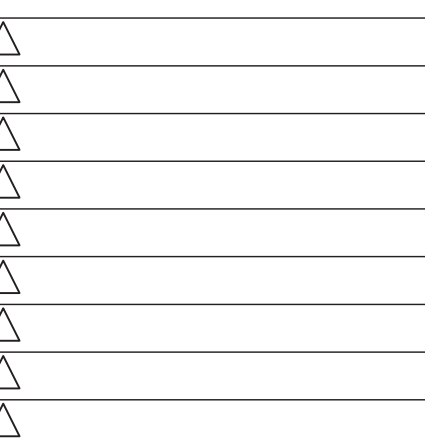
PERMIT PLOT DATE: 03.22.17

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 waynesville, oh 45068
 617-331-2545
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ENGINEER:
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03.22.17



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

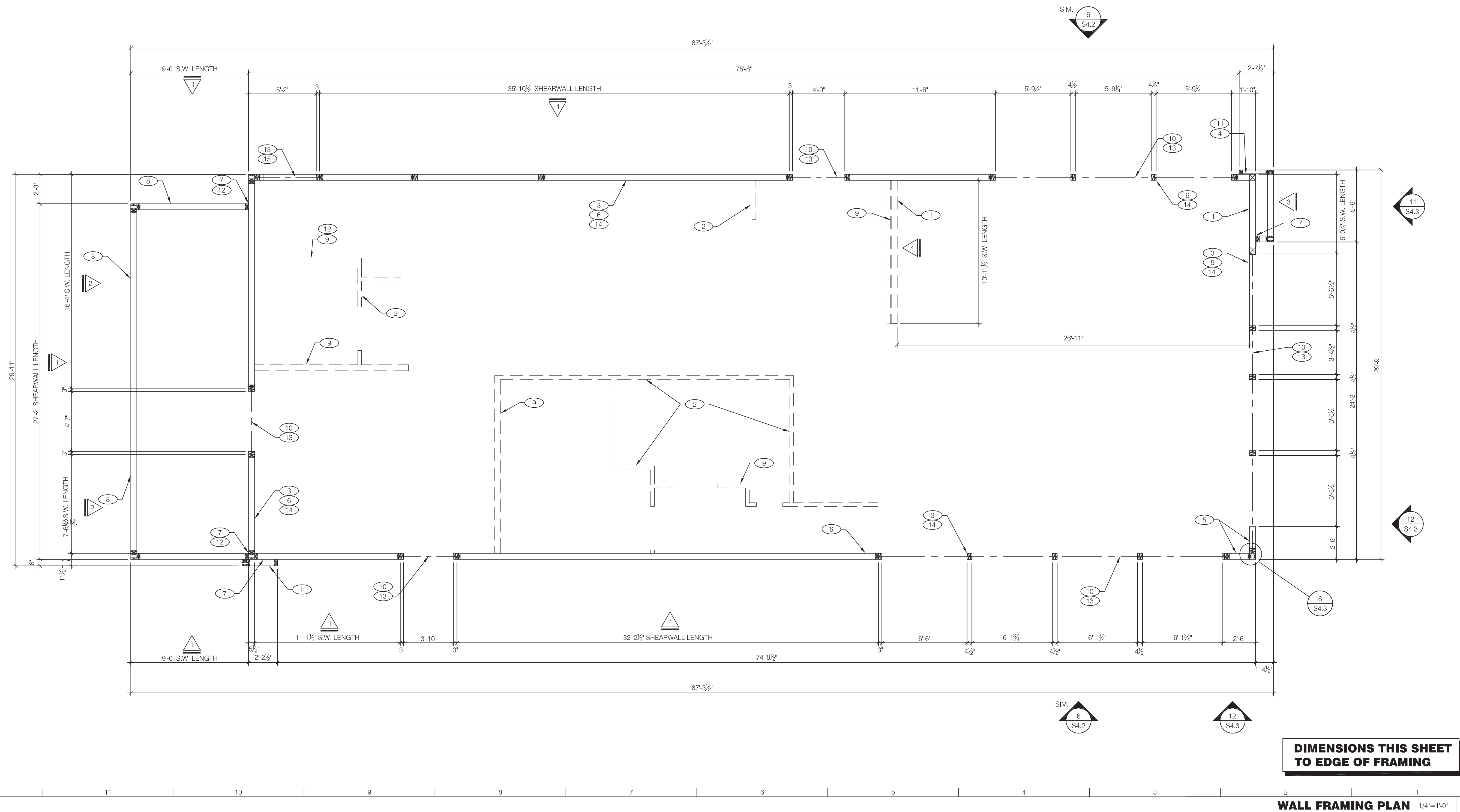


LIVE MAS
 LARGE50 - REVERSE

WALL FRAMING PLAN

S2.0

PERMIT PLOT DATE: 03.22.17



DIMENSIONS THIS SHEET TO EDGE OF FRAMING

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
***	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.

WALL SHEATHING AND SHEARWALL SCHEDULE **D**

A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE NO. 1 SPRUCE-PINE-FIR. INTERIOR WALL STUDS MAY BE STUD GRADE. REFER TO 8/S4.1.
 B. ALL BEAMS AND JOISTS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS. BEAM SEATS AND COLUMN CAPS.
 C. SEE SHEET A1.0 FOR DIMENSIONS.
 D. EXTERIOR STUD WALLS ARE 2x6 AT 16" O.C. U.O.N.
 E. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESERVATIVE TREATED.
 F. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
 G. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
 H. USE PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.
STUD LAYOUT:
 A. LAYOUT STUDS ON SIDEWALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
 B. LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

FRAMING PLAN NOTES **C**

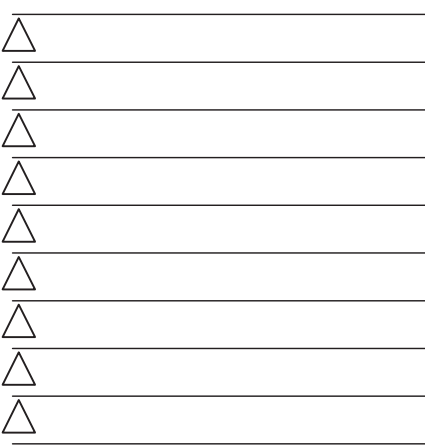
- 1 3x6 STUDS AT 16" O.C. FOR SHEAR WALL TYPES 3 & 4.
- 2 INTERIOR NONBEARING STUD WALL FRAMING; REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES.
- 3 (2) 2x6 TOP PLATES - SPLICE PER 15/S4.1. U.O.N.
- 4 TOP OF PLATE ELEVATION 22'-1" AT PARAPET.
- 5 TOP OF PLATE ELEVATION 20'-10 1/2" AT PARAPET.
- 6 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.

KEY NOTES **B**

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



03.22.17



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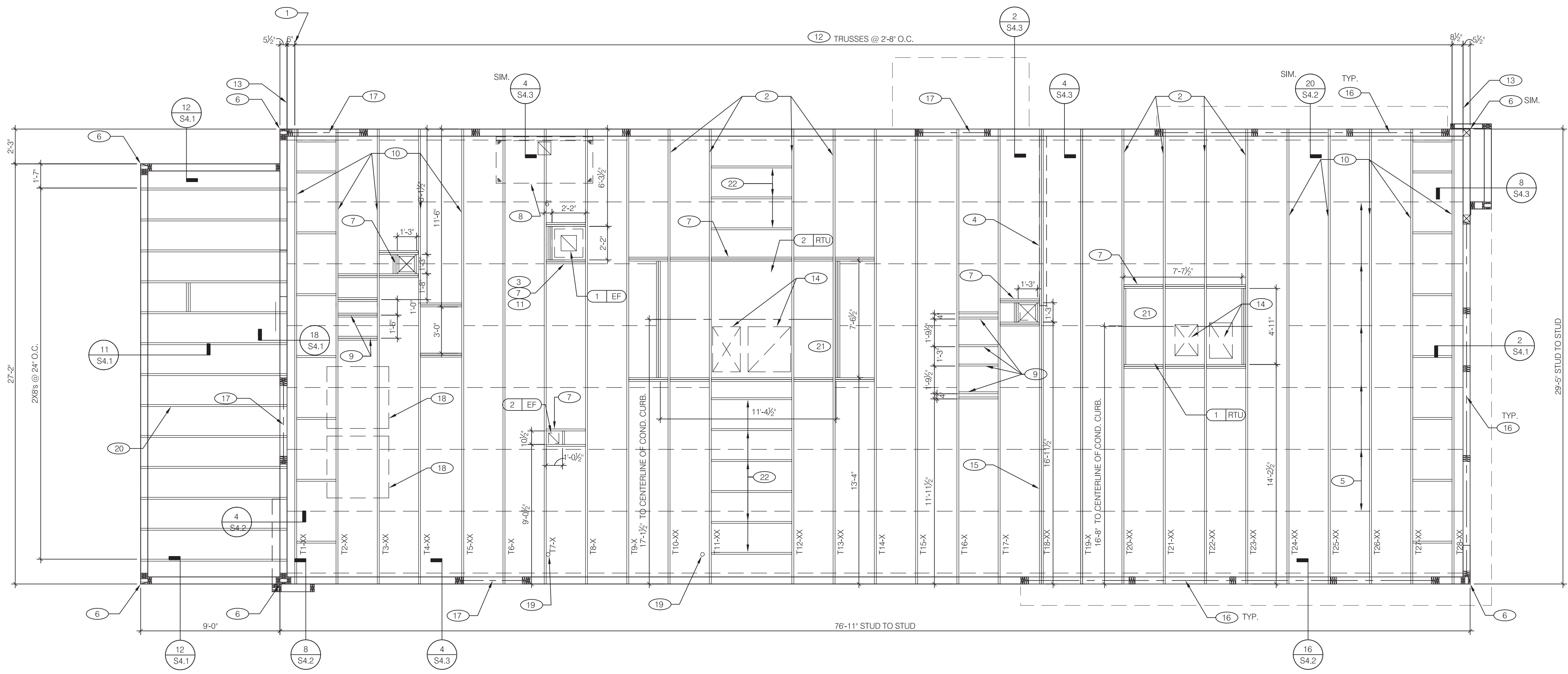


LIVE MAS
 LARGE50 - REVERSE

ROOF FRAMING PLAN

S3.0

PERMIT PLOT DATE: 03.22.17



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.

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.

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.

- 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 10Dx4 NAILS @ 4" O.C. ALONG ENTIRE LENGTH OF TRUSS.
- 16 (3)-1.75x9.25 MICROLAM.
- 17 (3)-2x8 SPF.
- 18 PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK.
- 19 COORDINATE LOCATIONS OF WATER HEATER FLUES WITH MECHANICAL AND PLUMBING DWGS.
- 20 2x8 JOISTS AT 24" O.C.
- 21 FRAMING FOR YORK RTU SHOWN. COORDINATE WITH TRUSS MANUFACTURER AND MECHANICAL.
- 22 2x6 @ 2'-0" O.C. WITH SIMPSON U-26 EA. END.

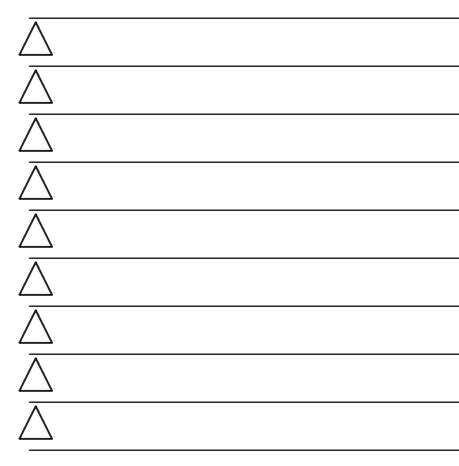
NAILING SCHEDULE - ROOF D

ROOF FRAMING NOTES C

KEY NOTES B



03.22.17



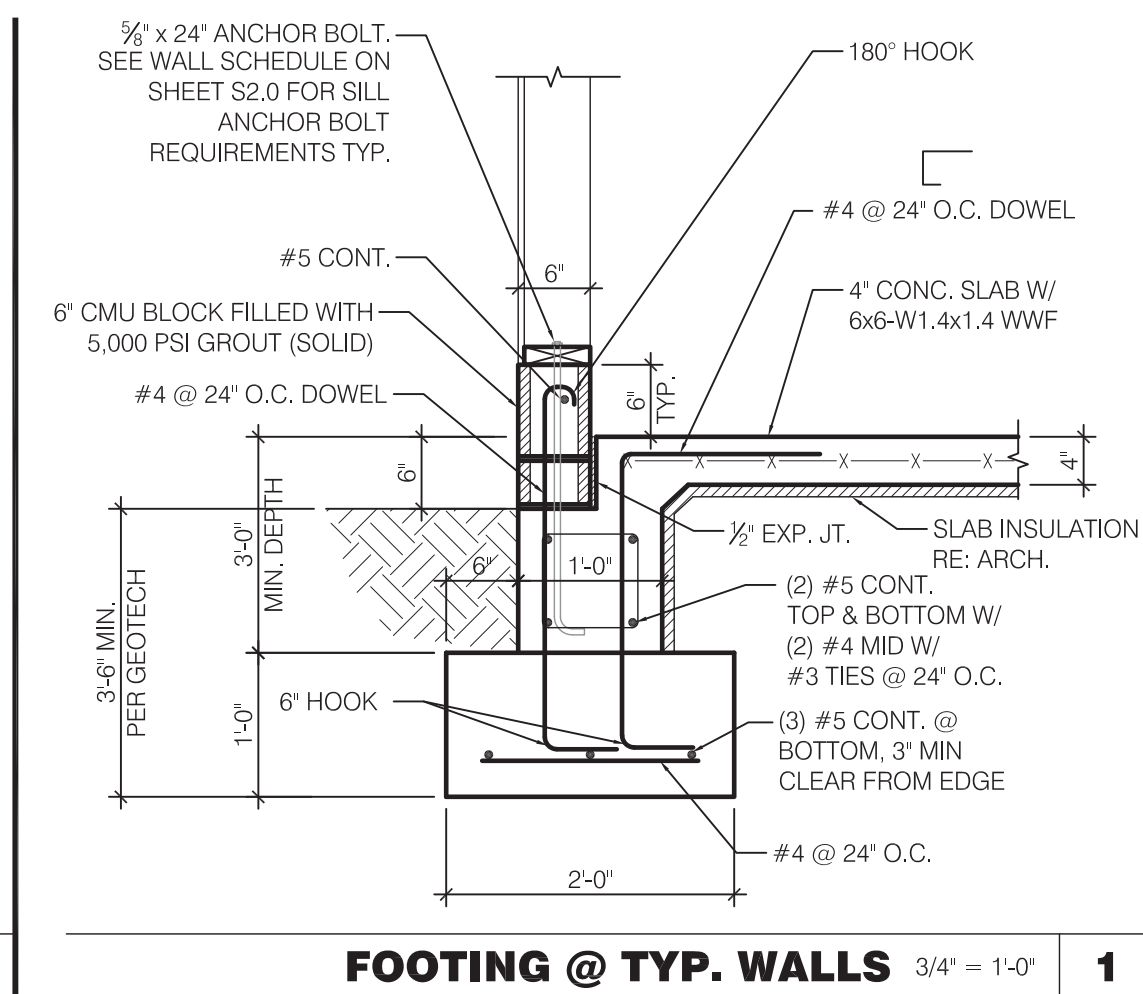
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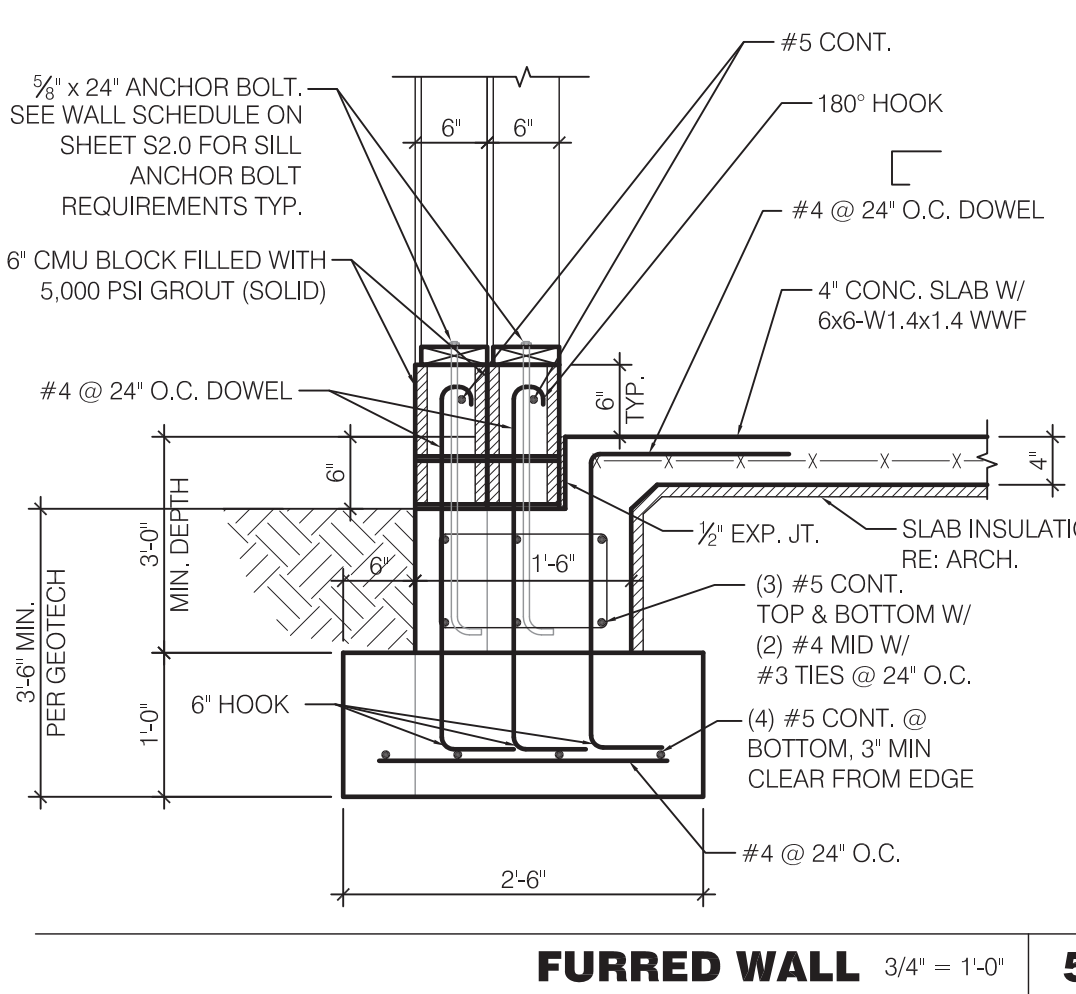


FOUNDATION DETAILS
S4.0

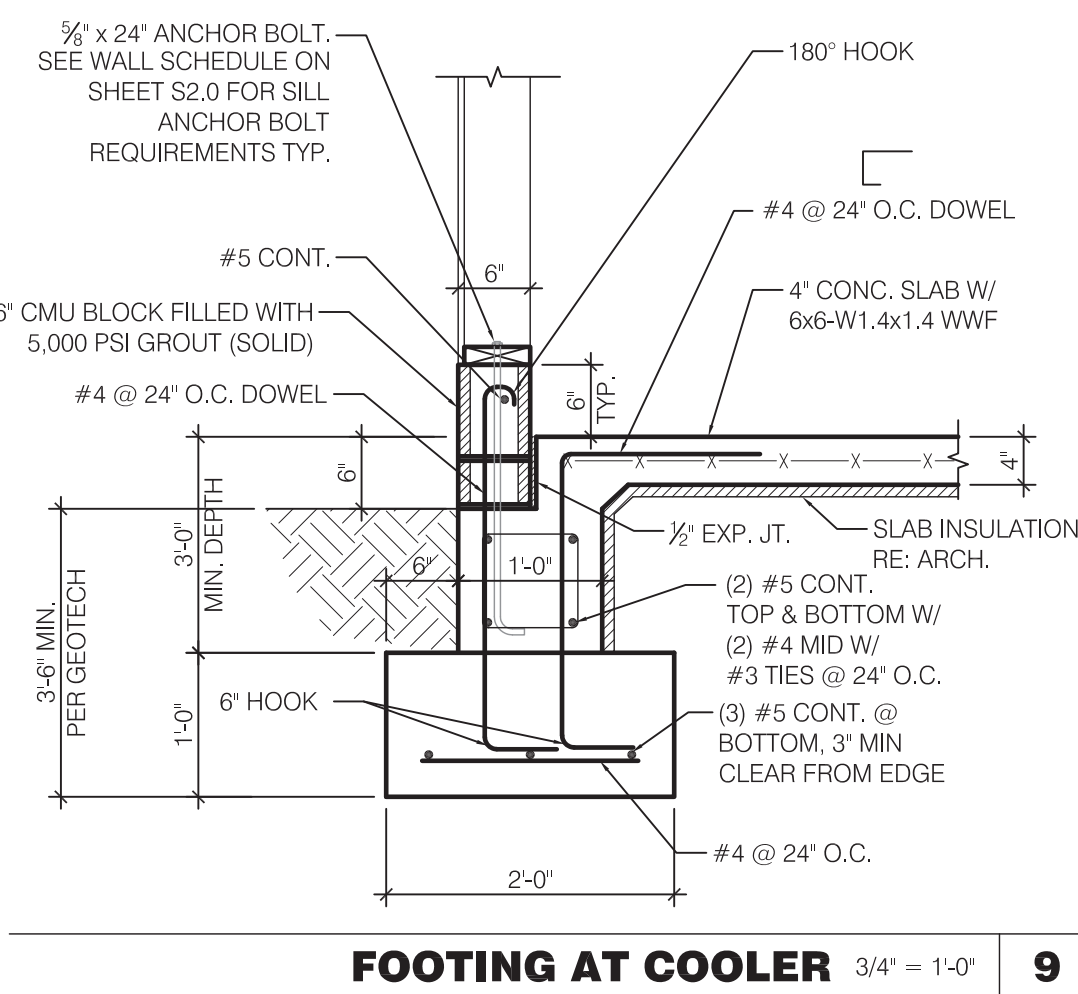
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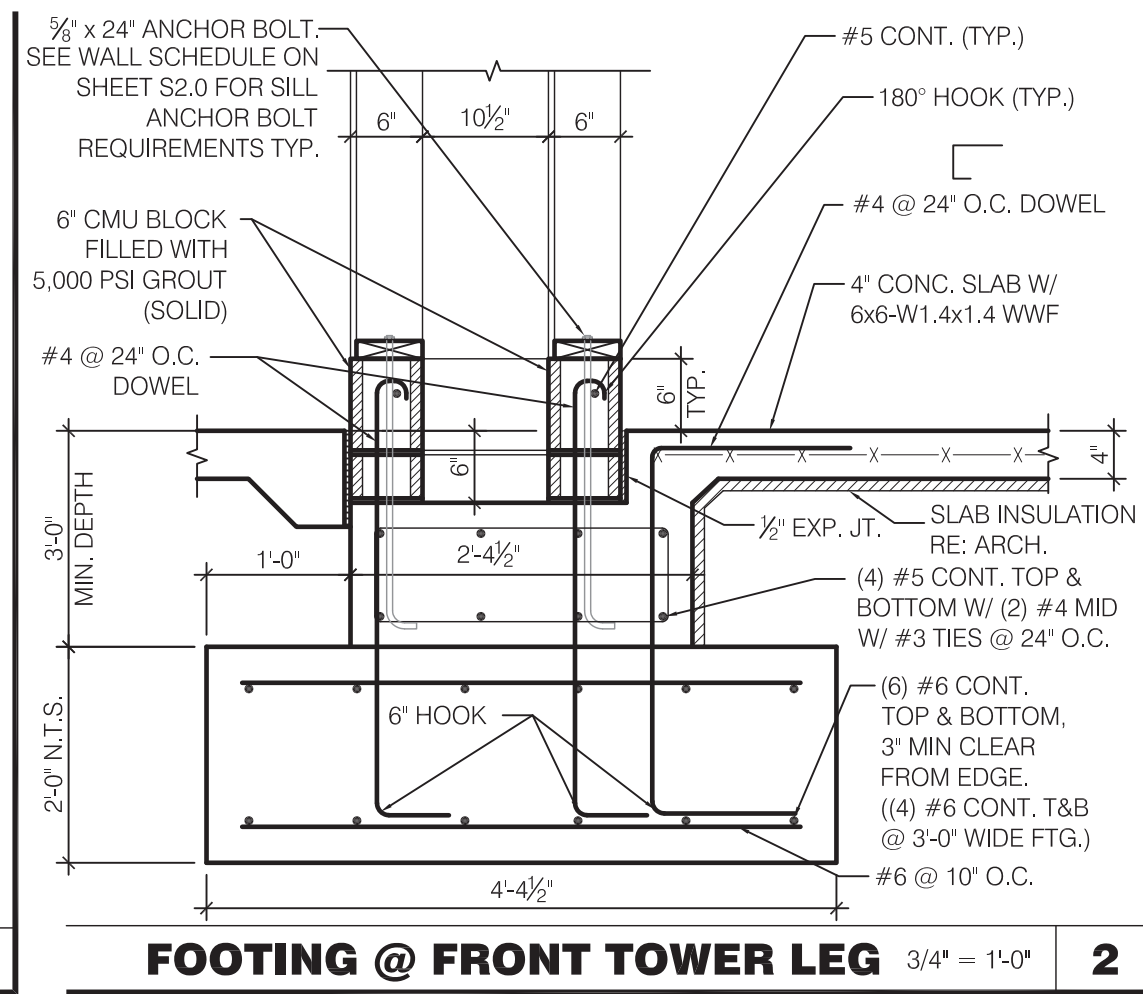
FOOTING @ TYP. WALLS 3/4" = 1'-0" **1**



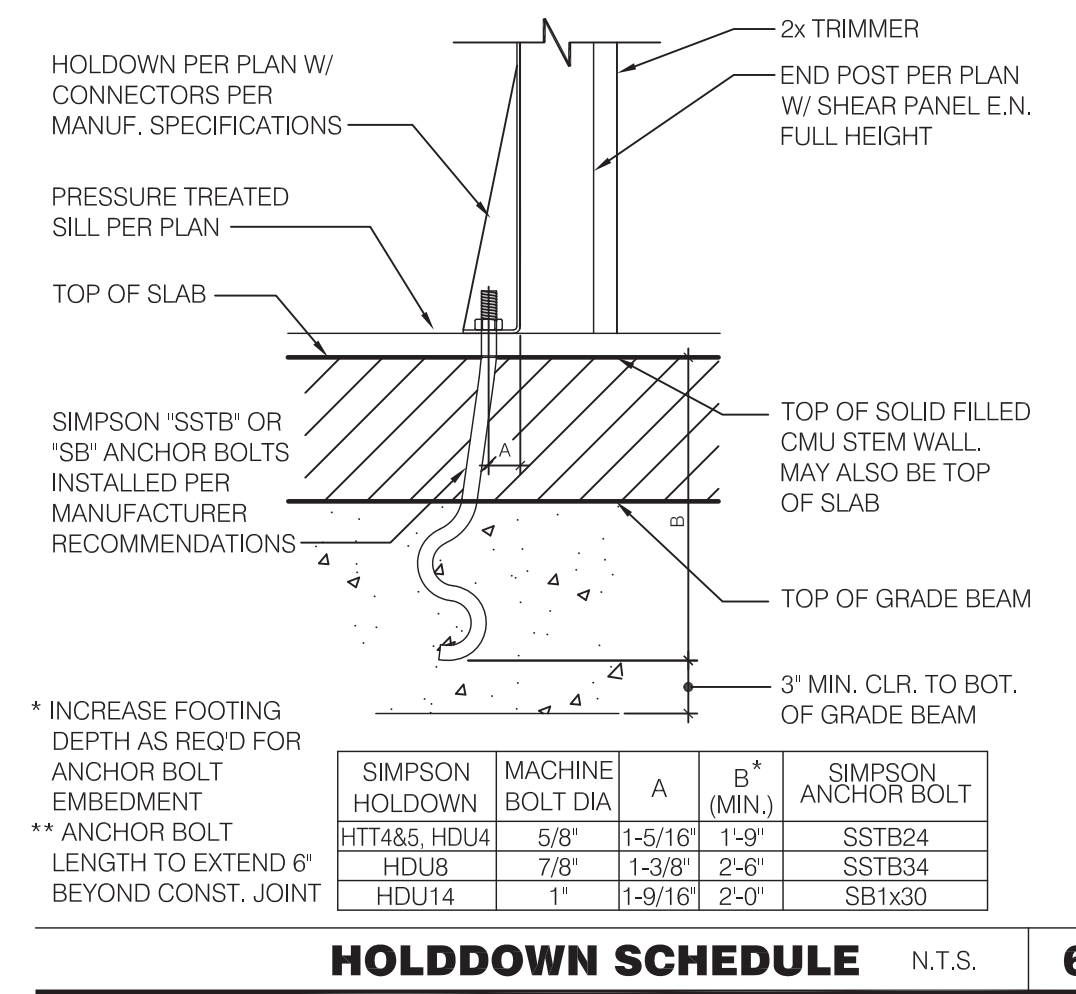
FURRED WALL 3/4" = 1'-0" **5**



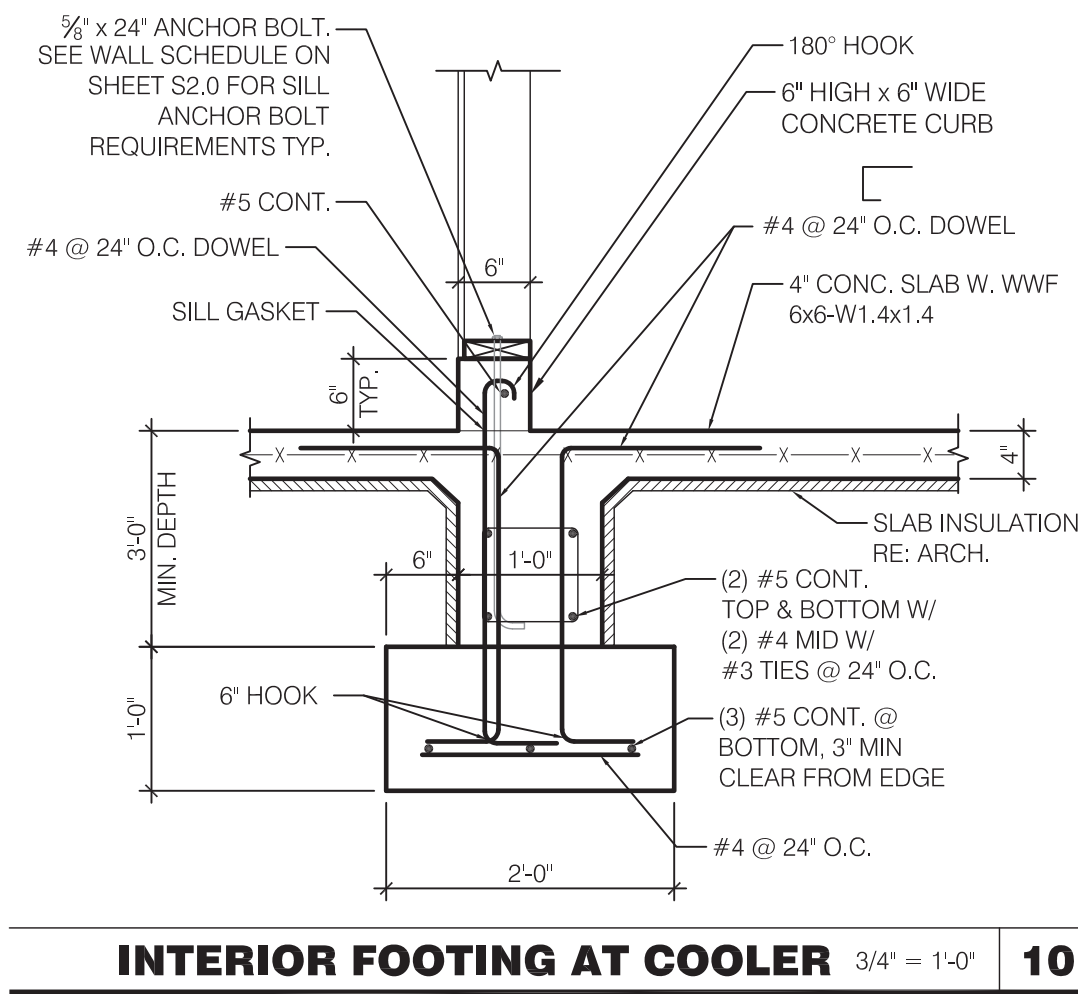
FOOTING AT COOLER 3/4" = 1'-0" **9**



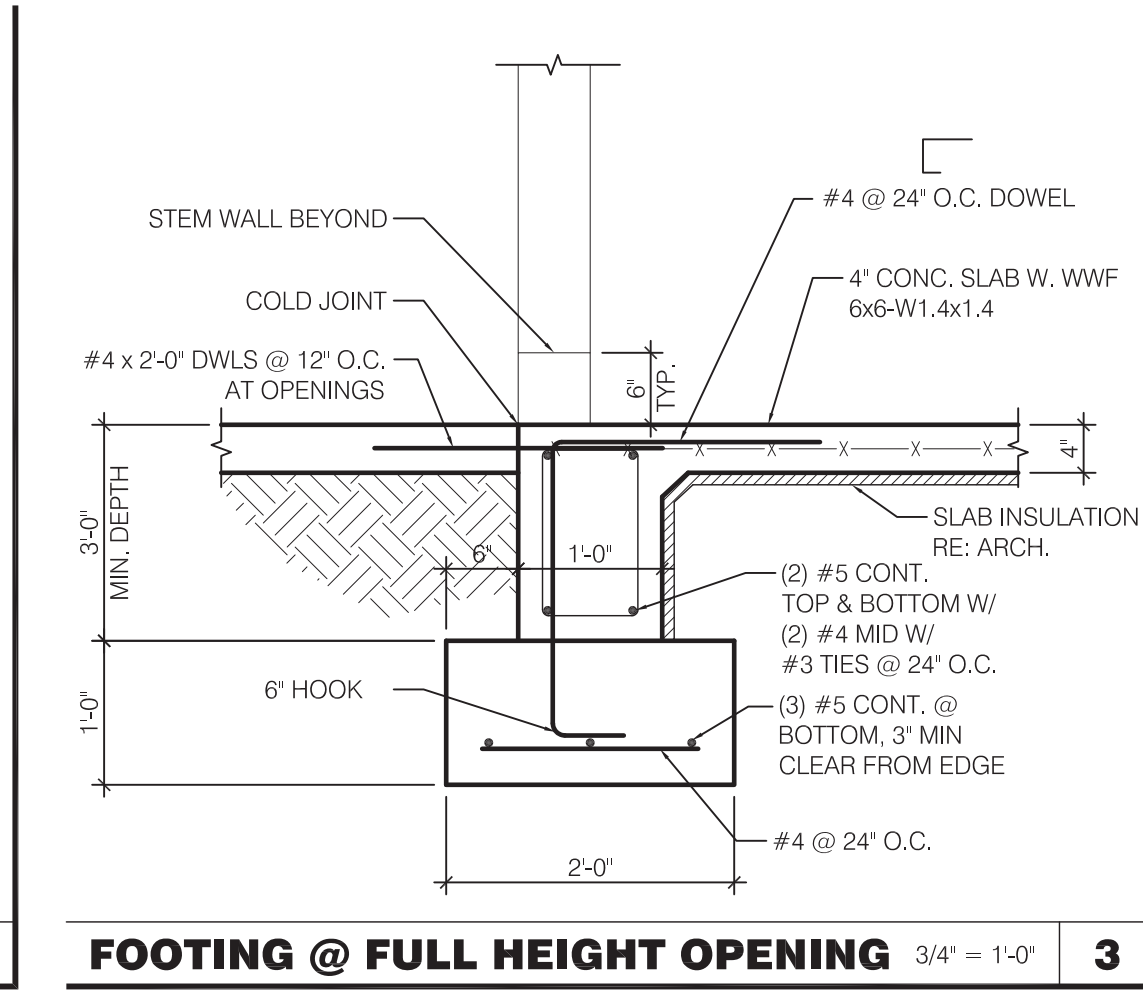
FOOTING @ FRONT TOWER LEG 3/4" = 1'-0" **2**



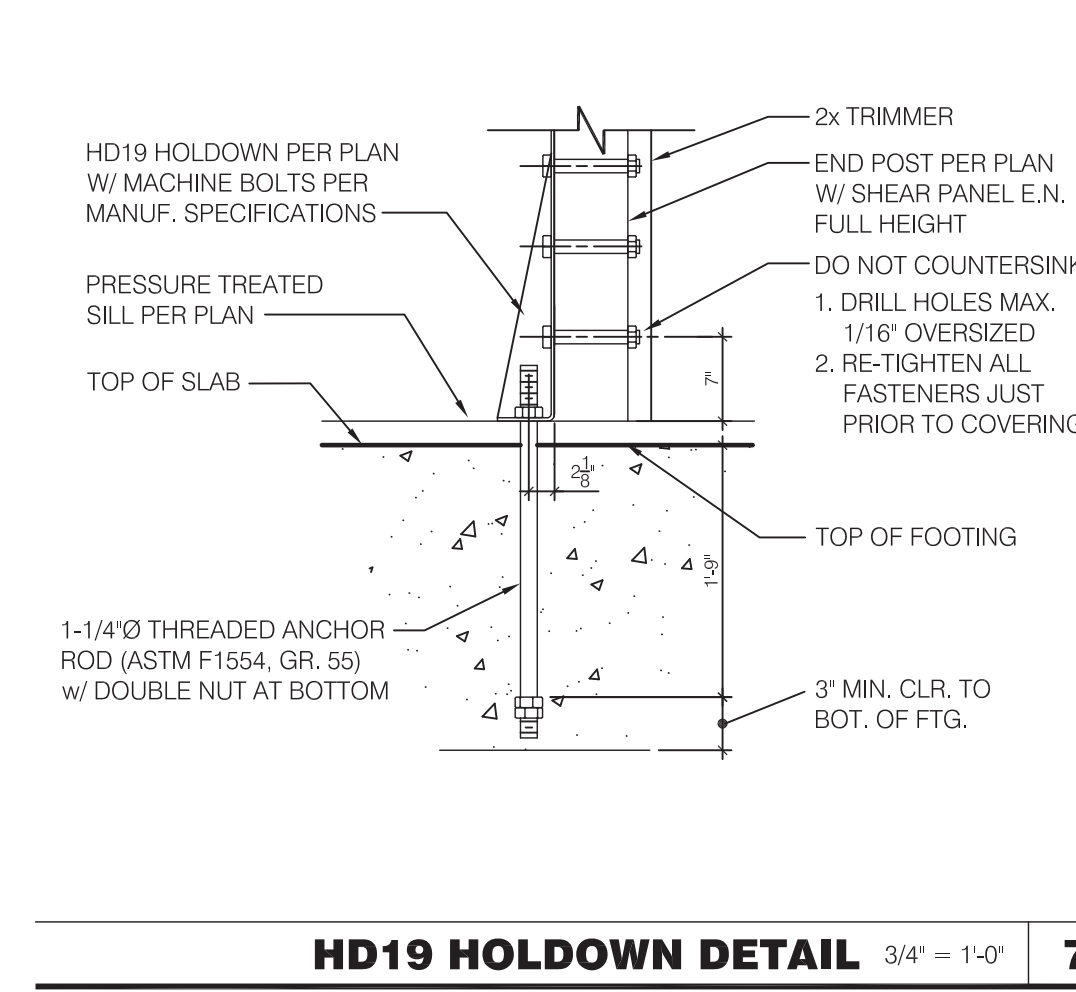
HOLDDOWN SCHEDULE N.T.S. **6**



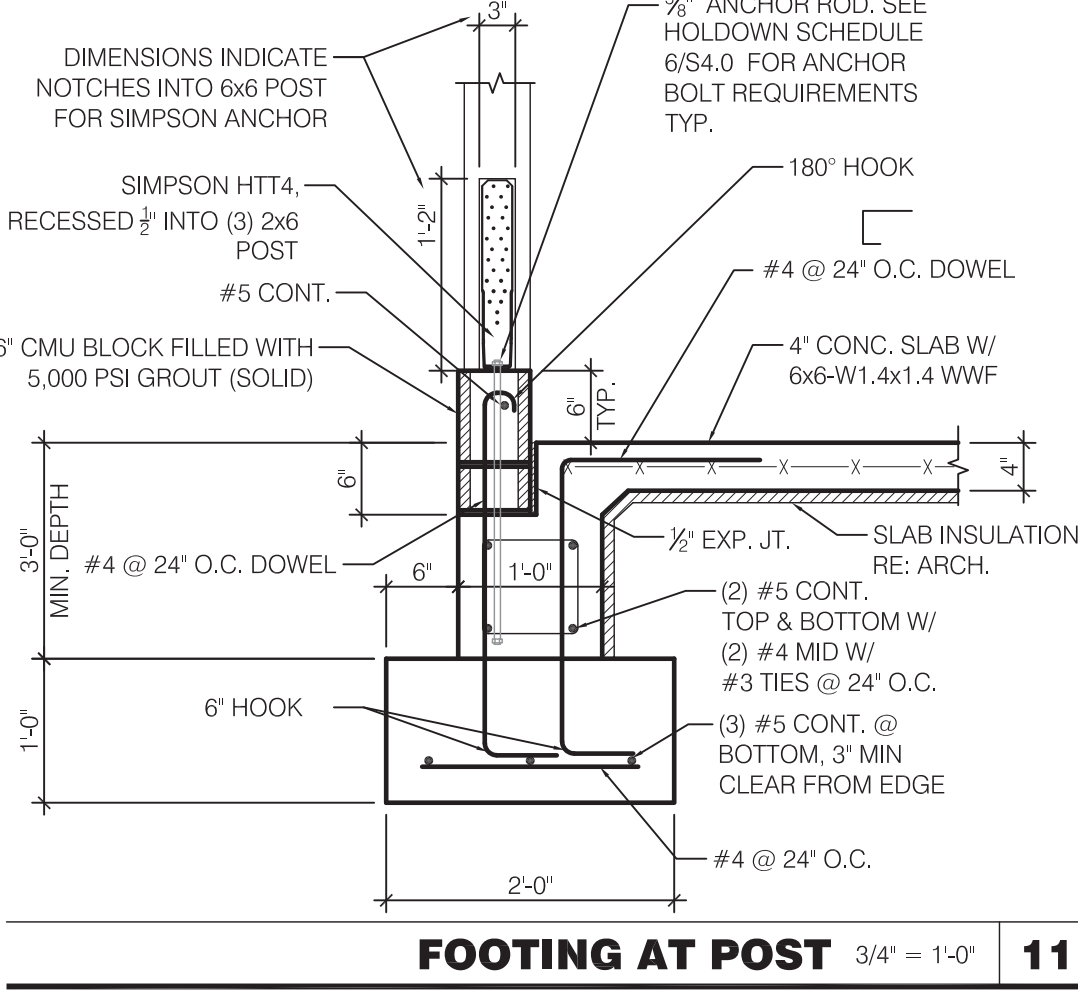
INTERIOR FOOTING AT COOLER 3/4" = 1'-0" **10**



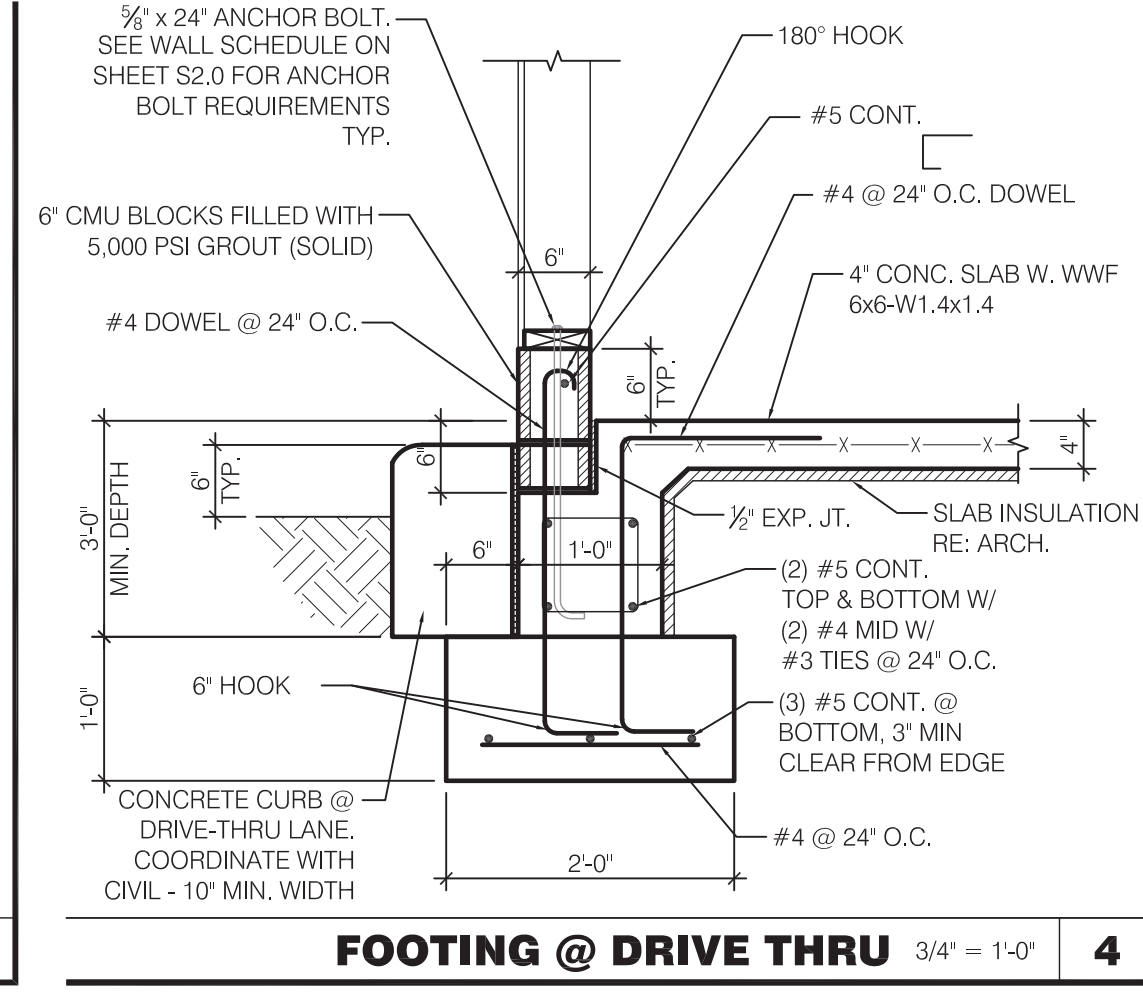
FOOTING @ FULL HEIGHT OPENING 3/4" = 1'-0" **3**



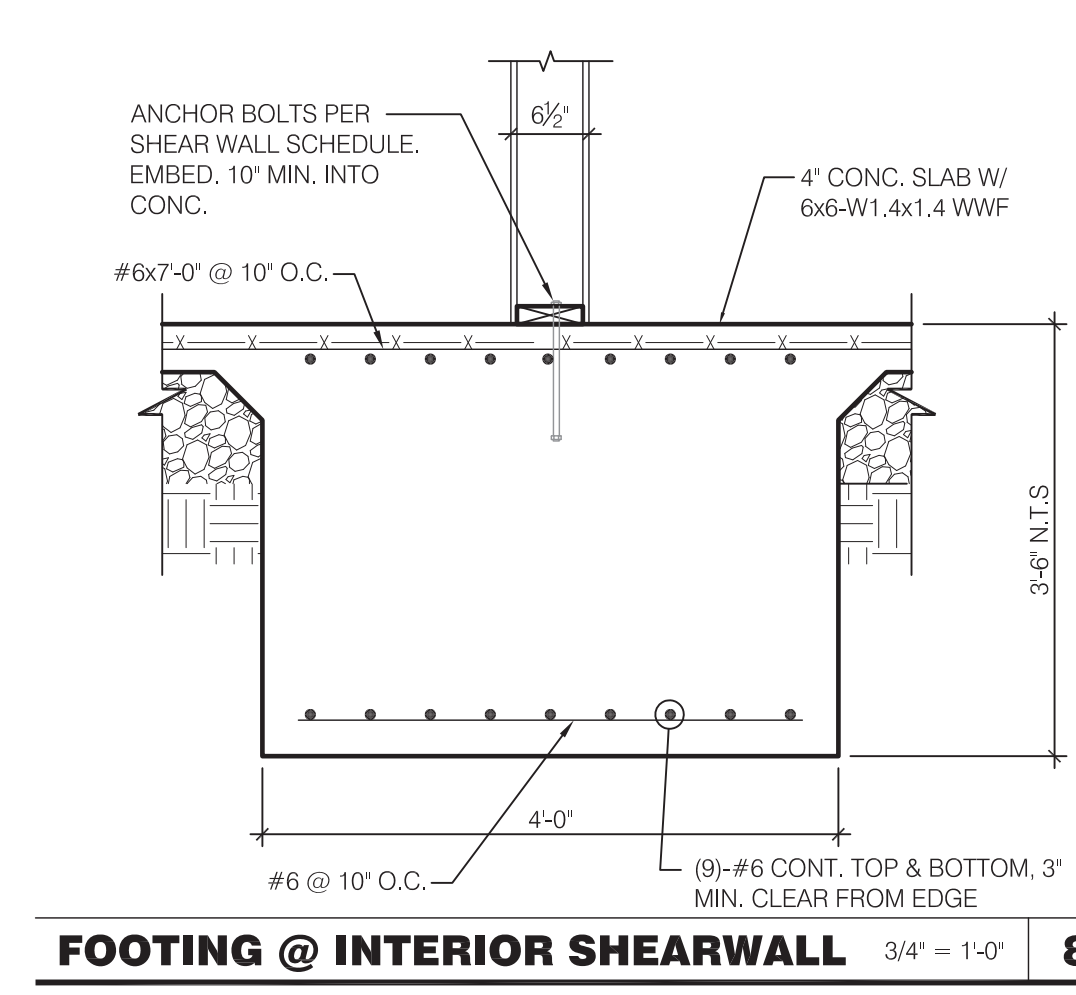
HD19 HOLDOWN DETAIL 3/4" = 1'-0" **7**



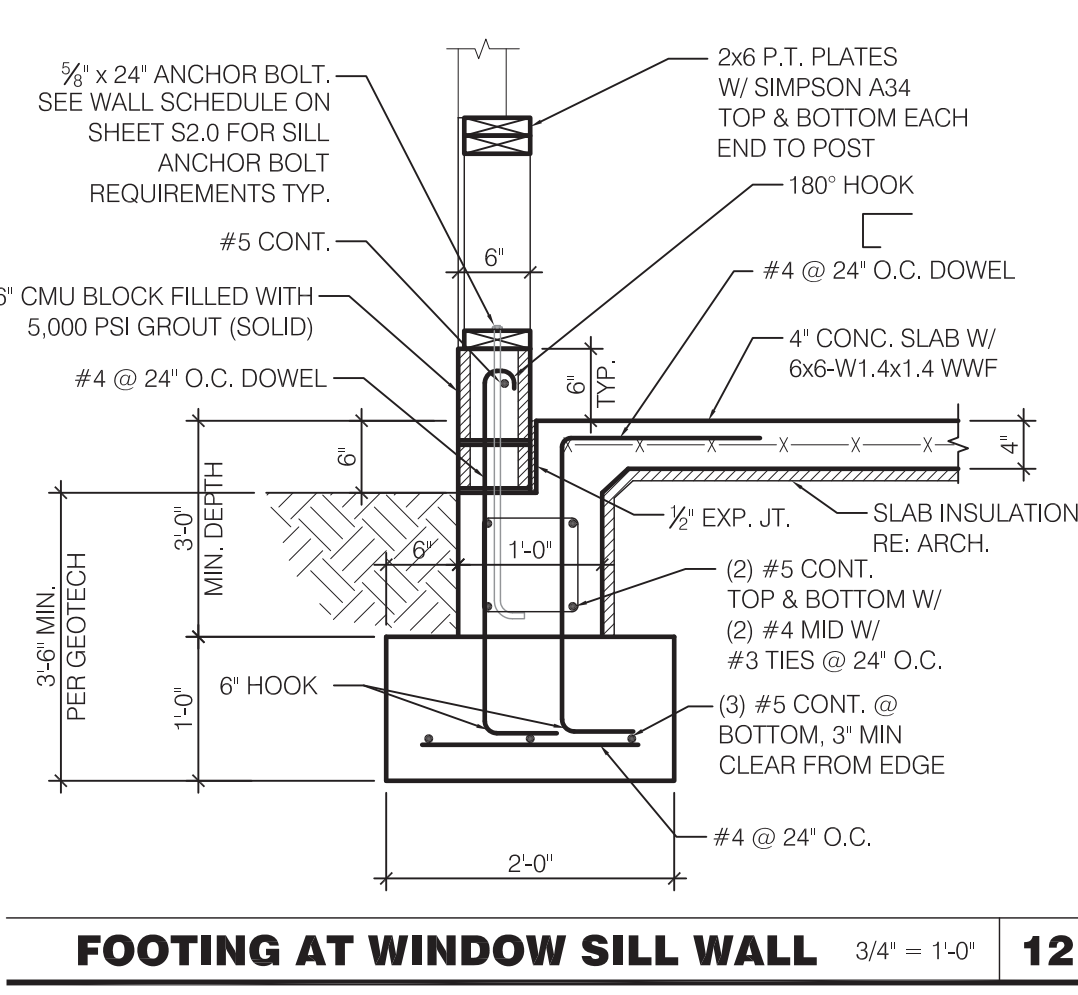
FOOTING AT POST 3/4" = 1'-0" **11**



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



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



FOOTING AT WINDOW SILL WALL 3/4" = 1'-0" **12**

NOT USED N.T.S. **17**

NOT USED N.T.S. **13**

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

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

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

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

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

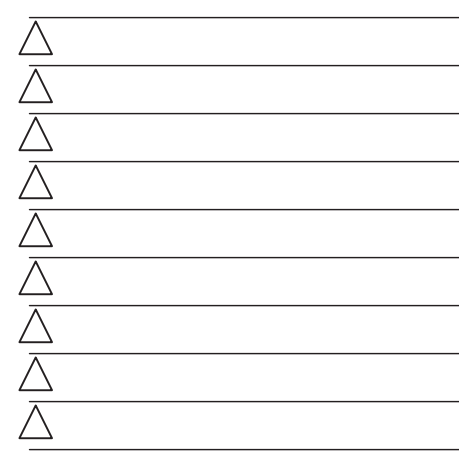
NOT USED N.T.S. **16**

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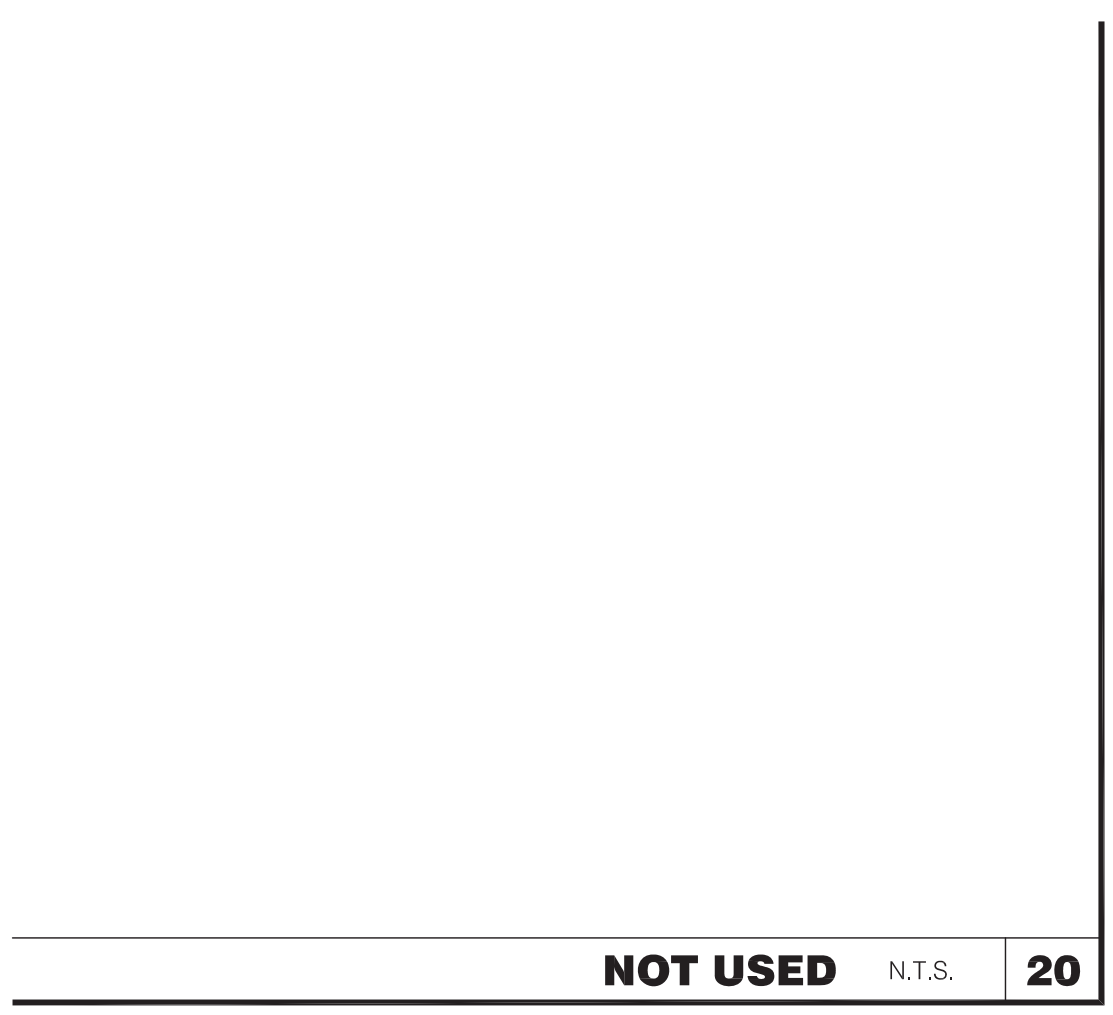
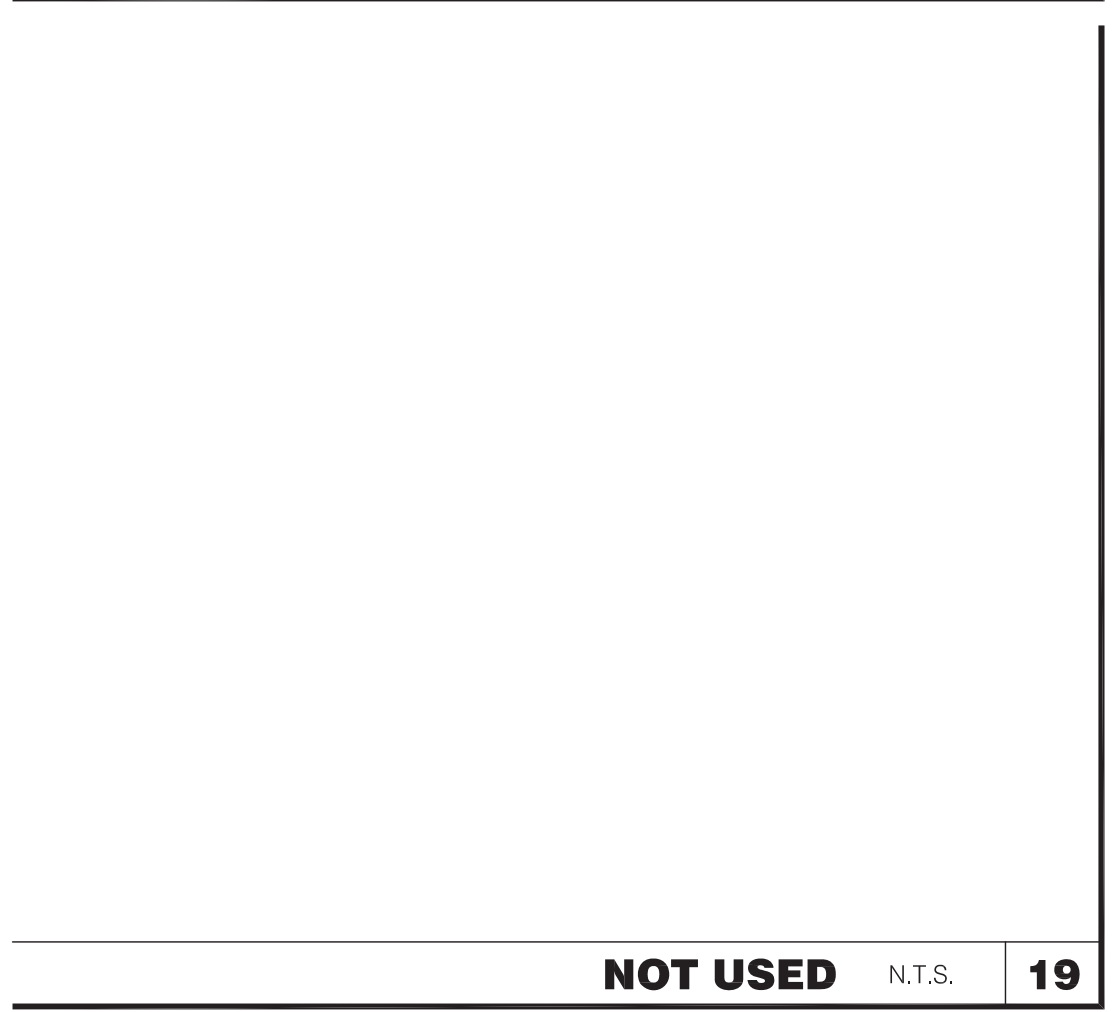
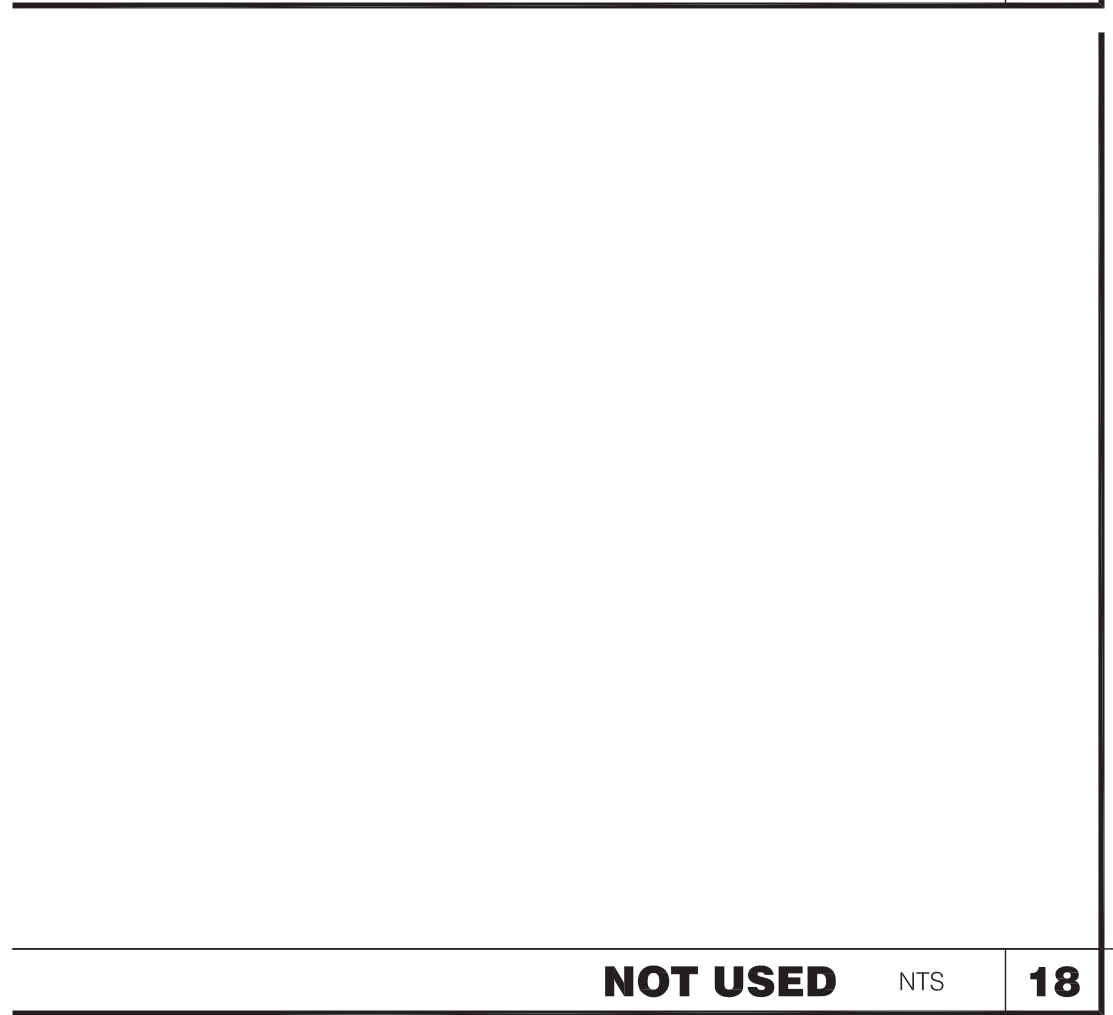
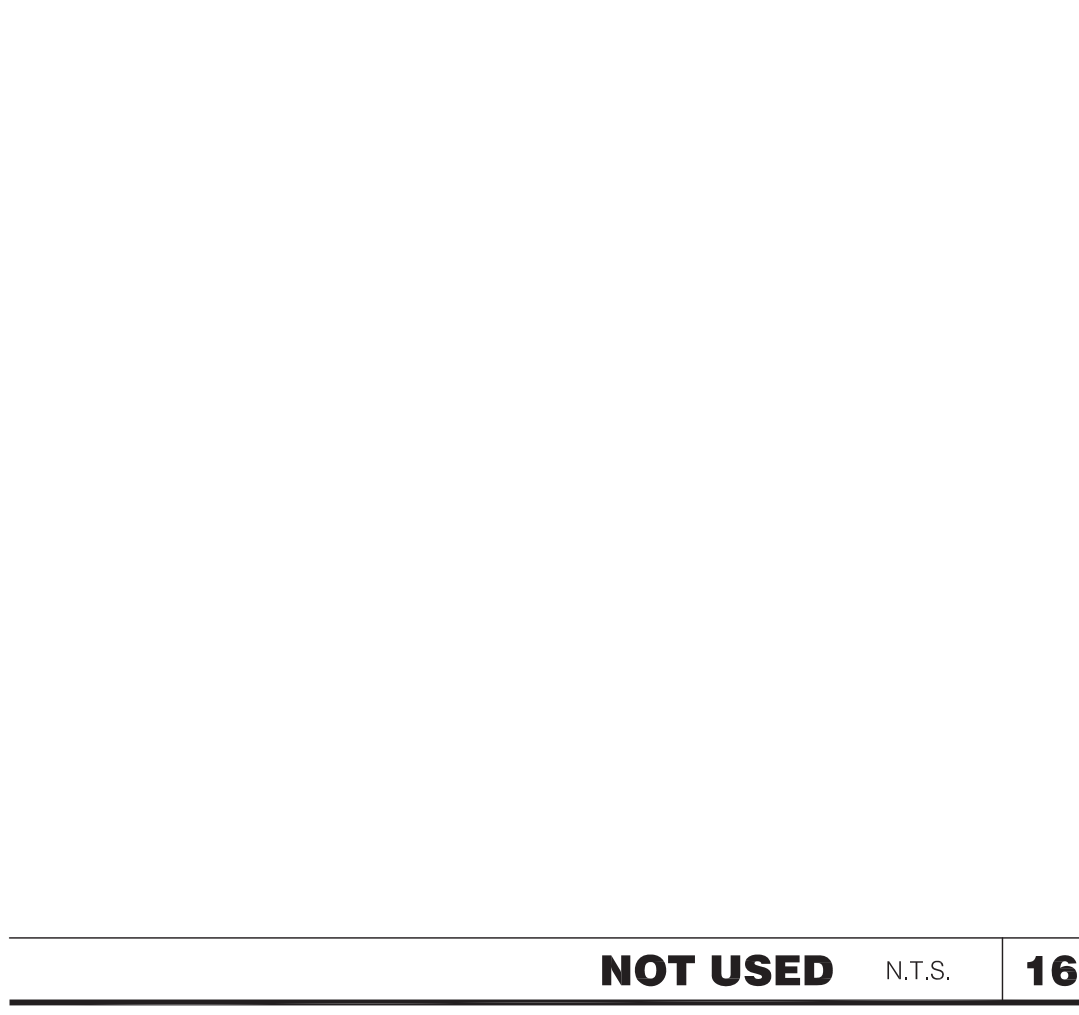
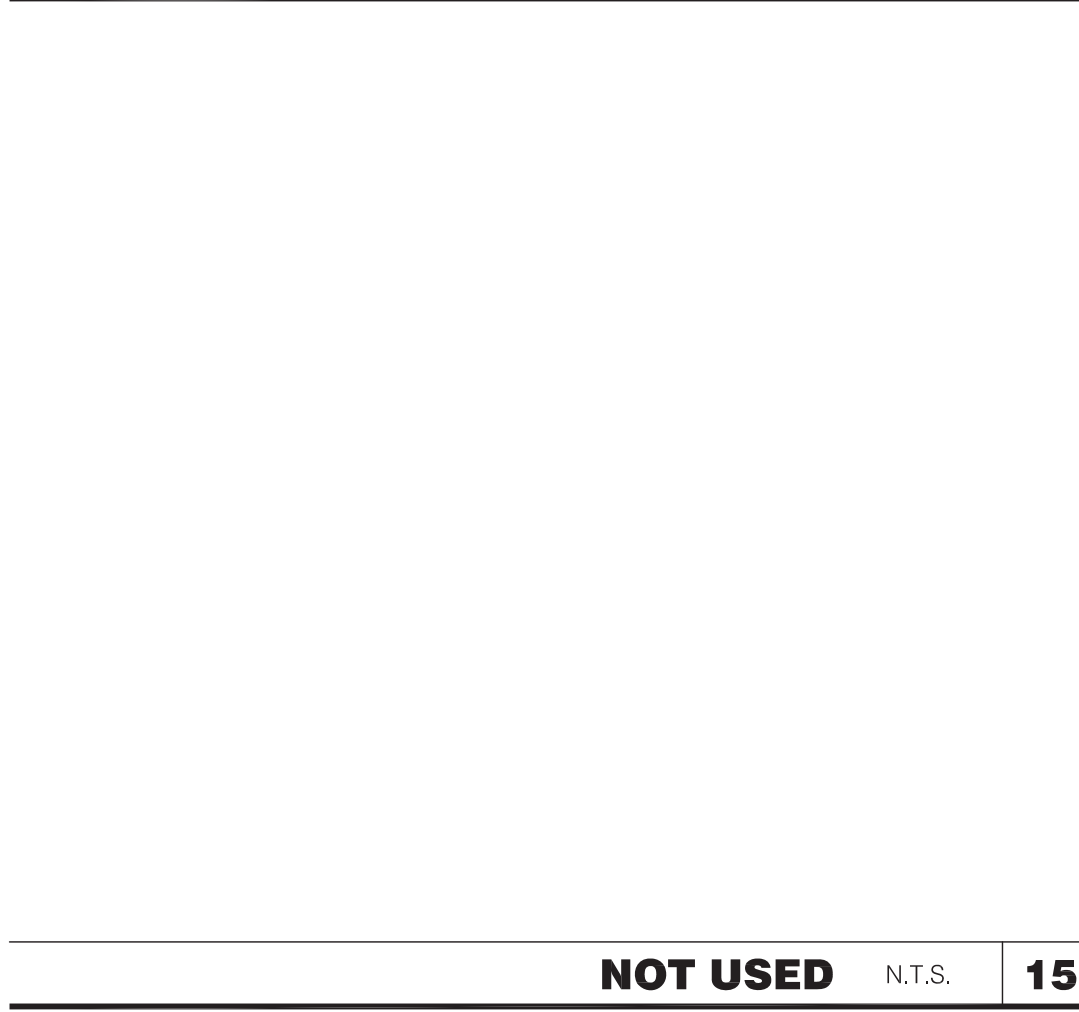
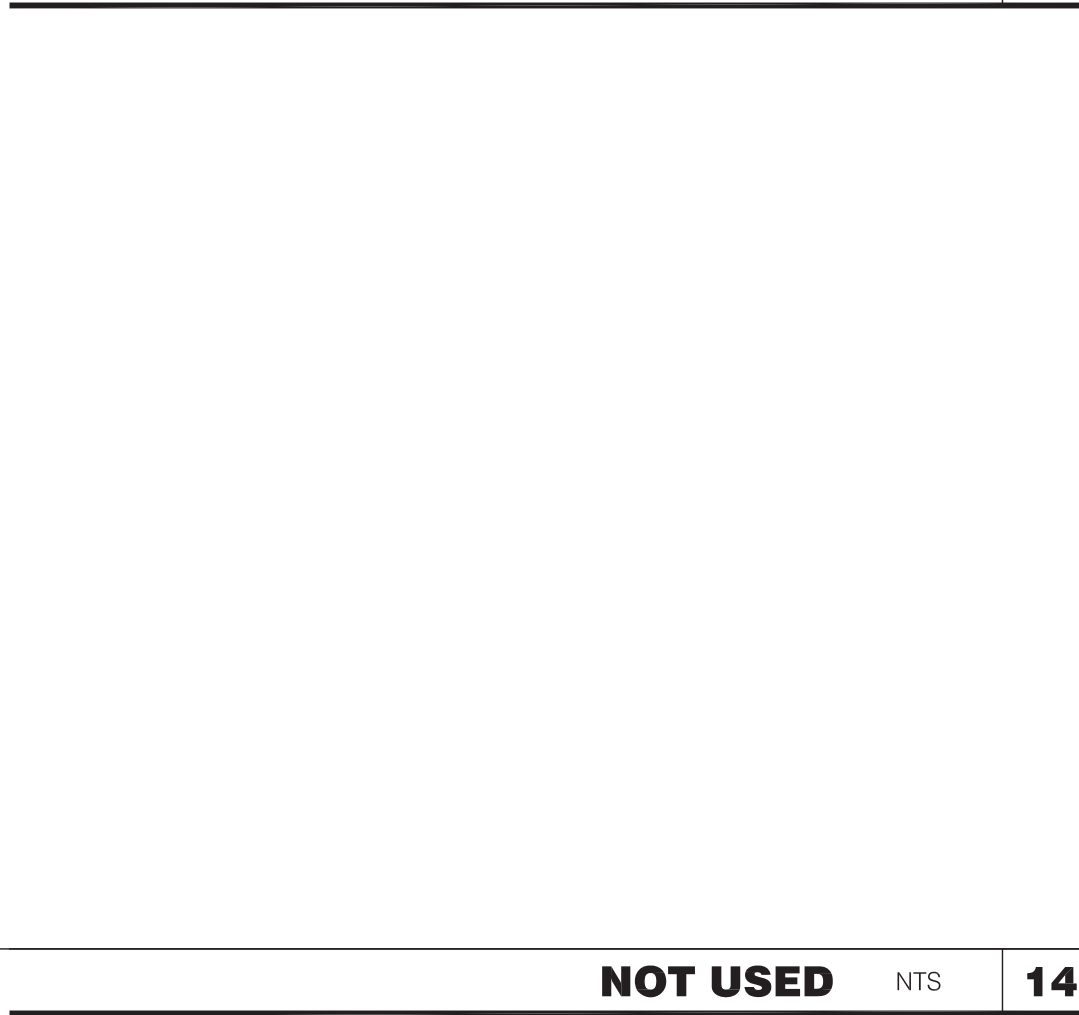
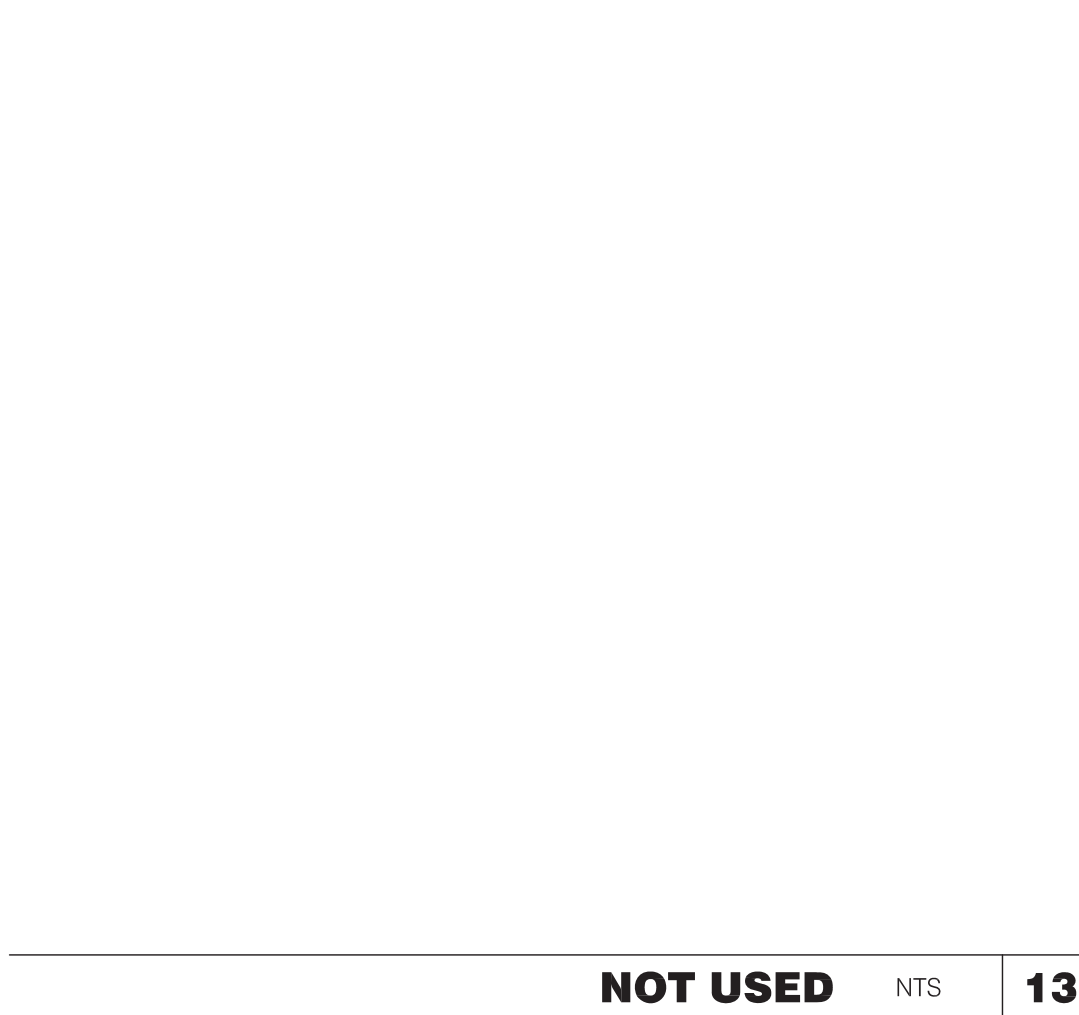
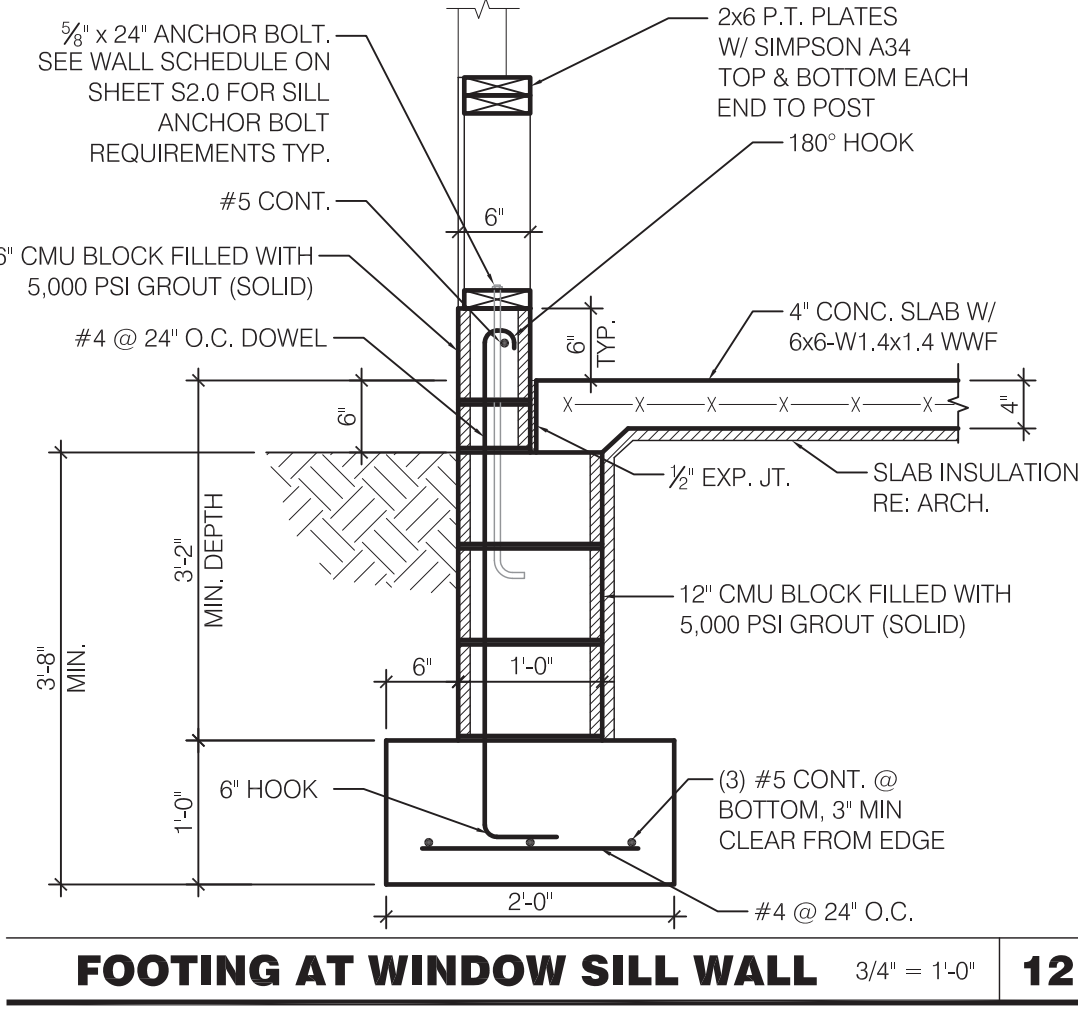
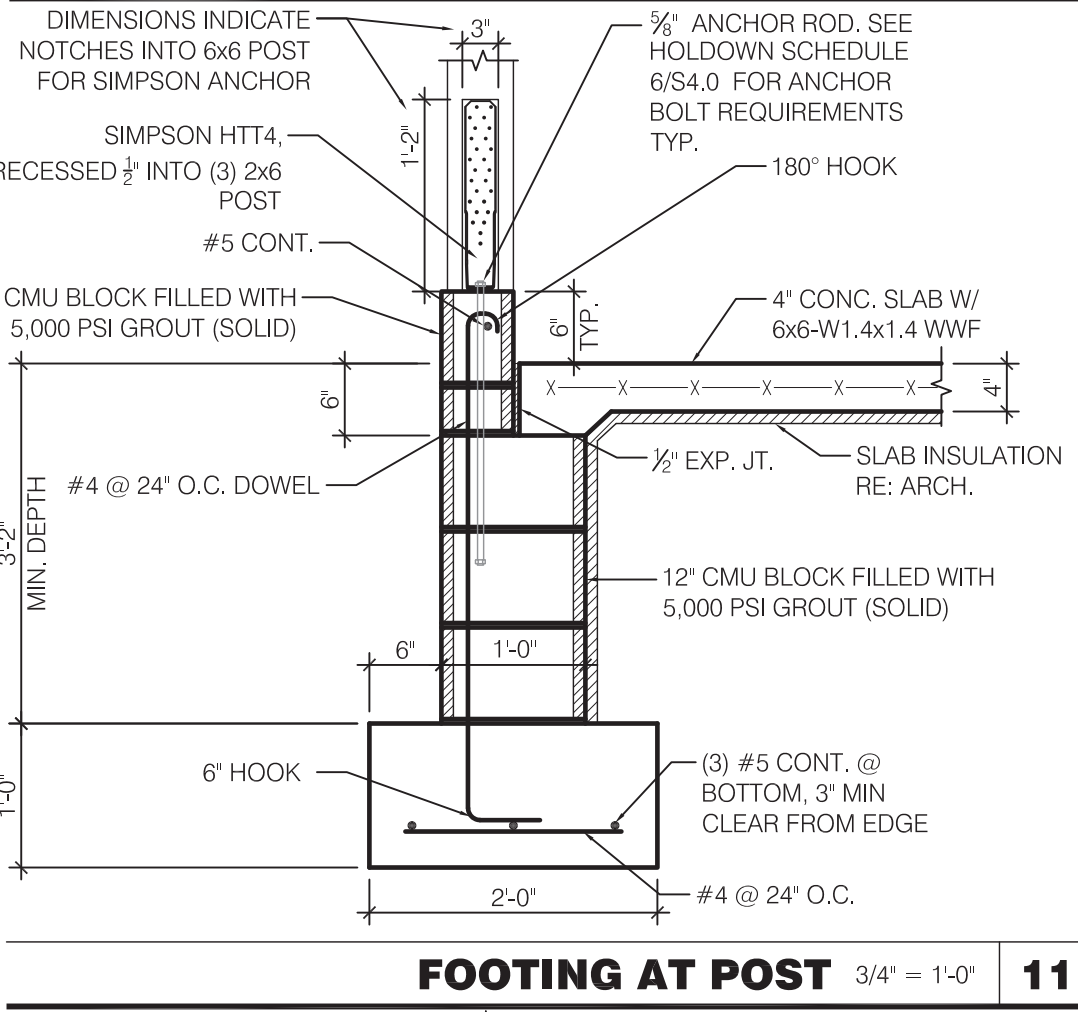
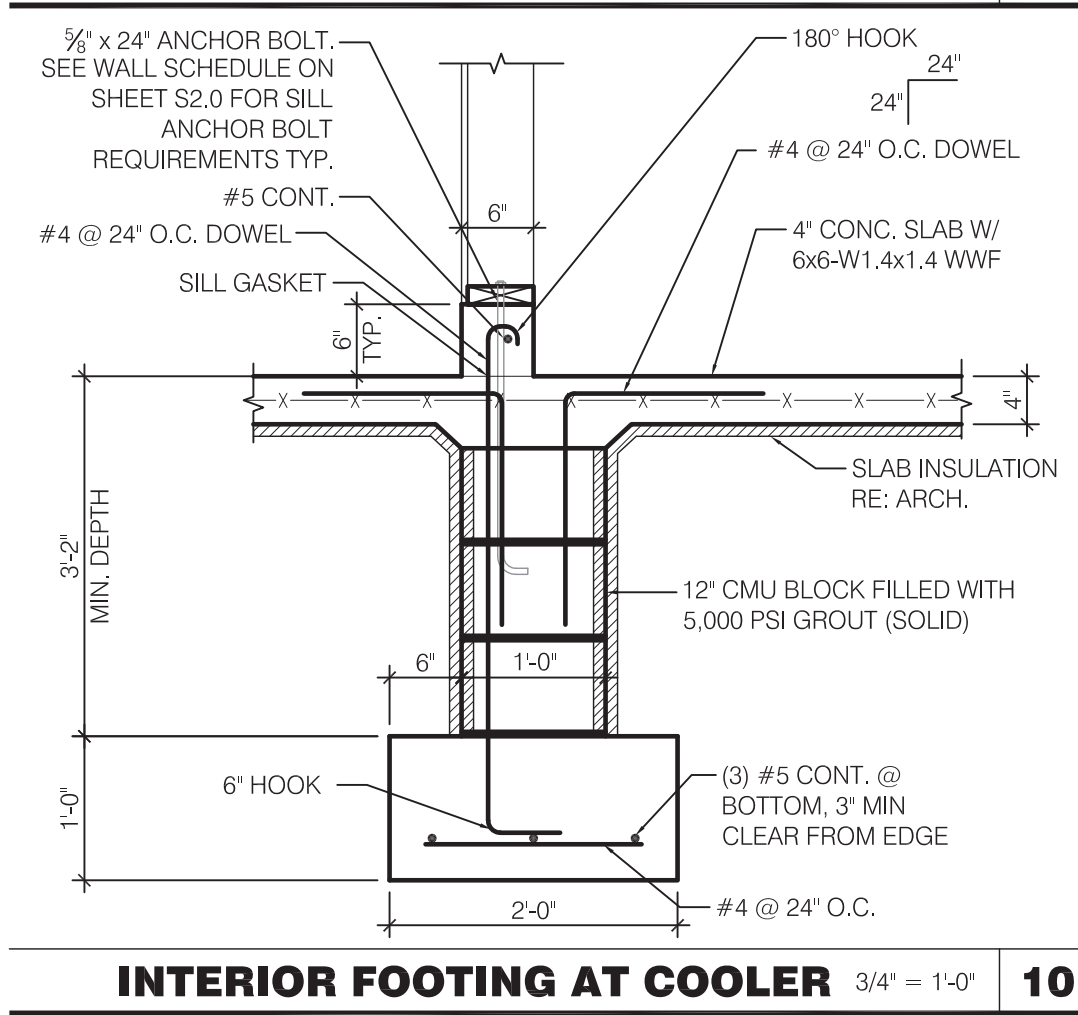
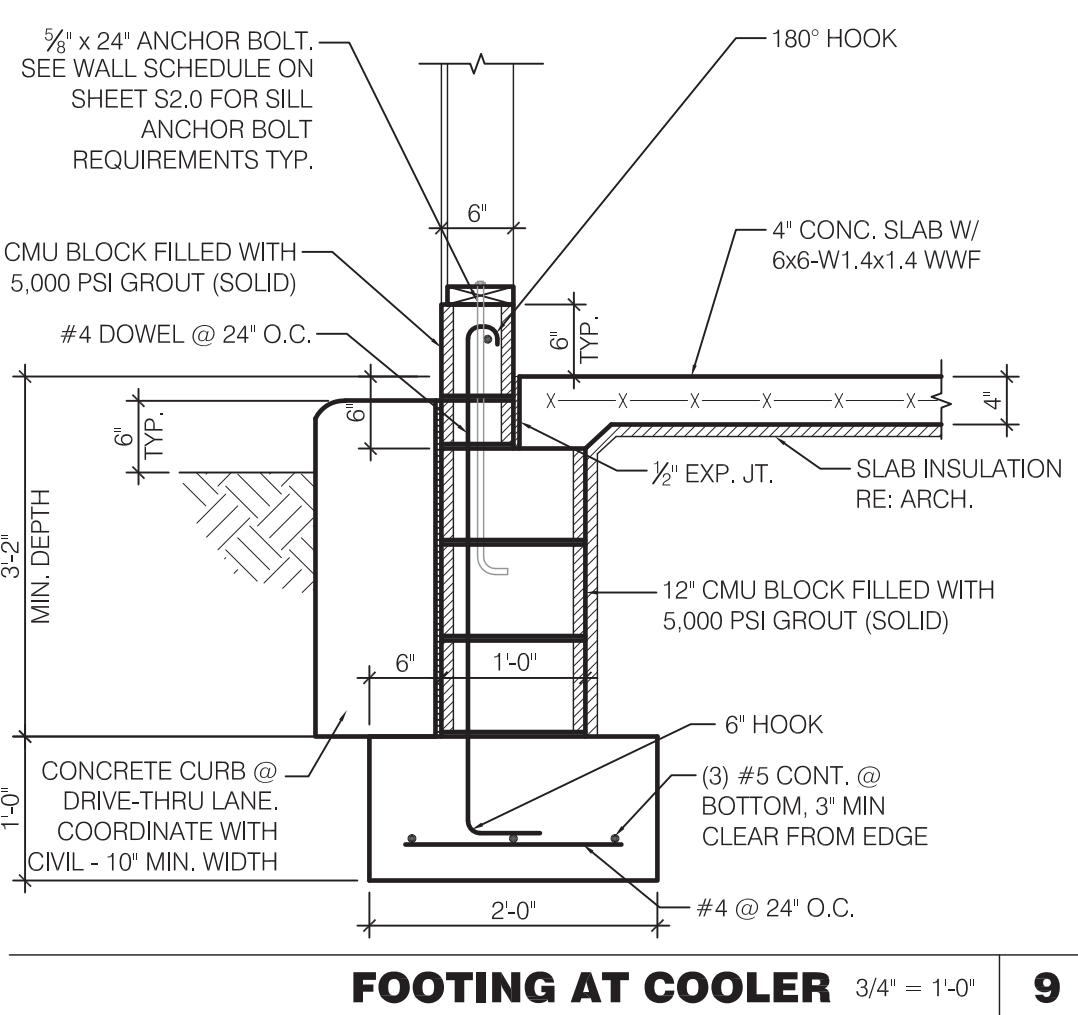
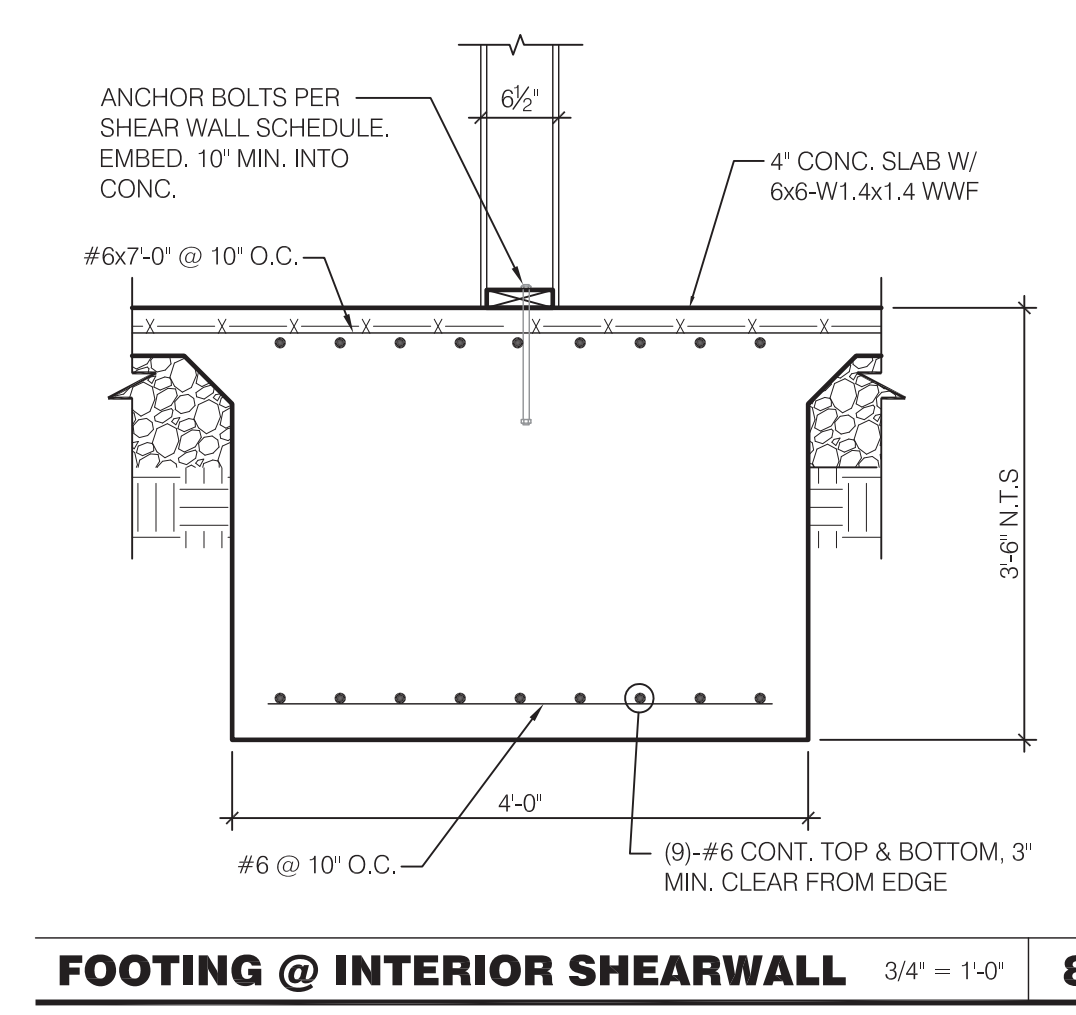
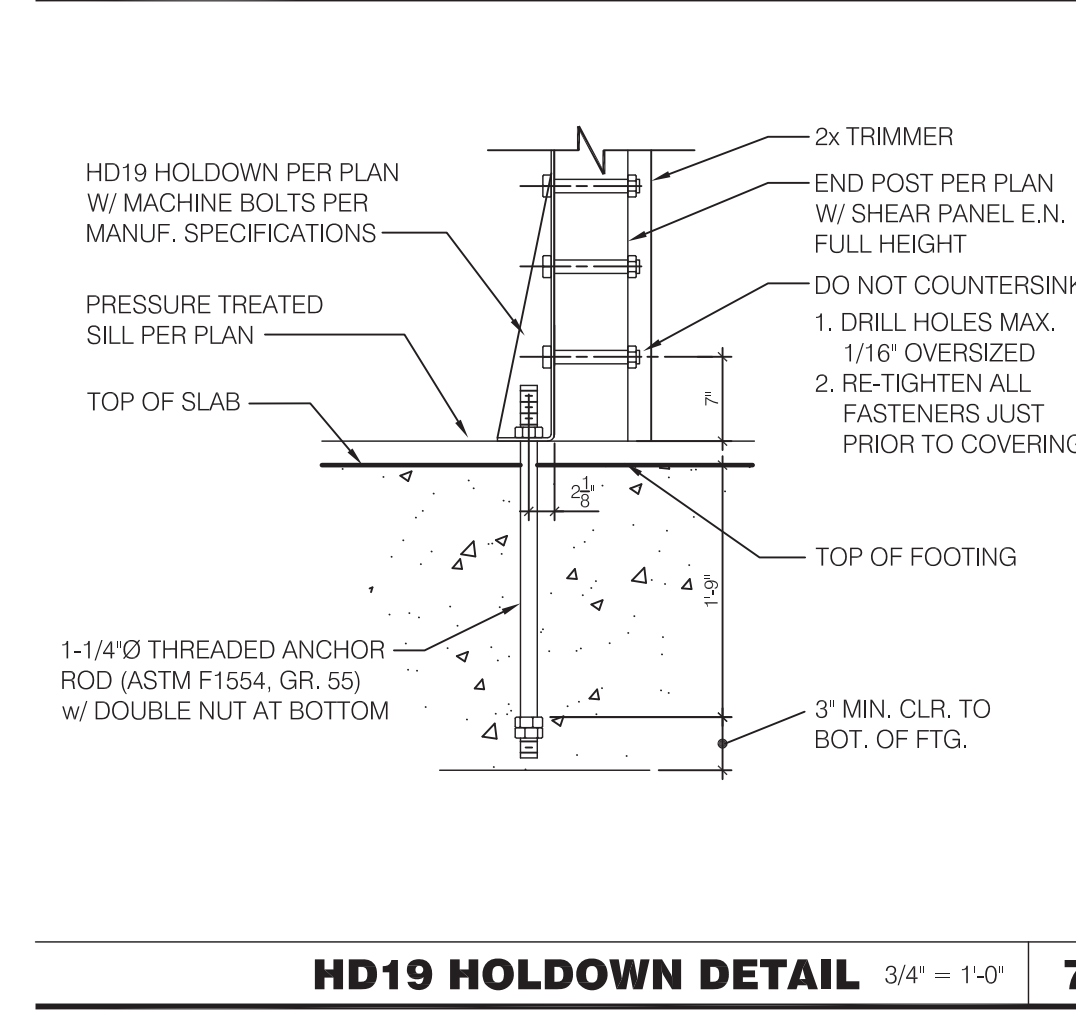
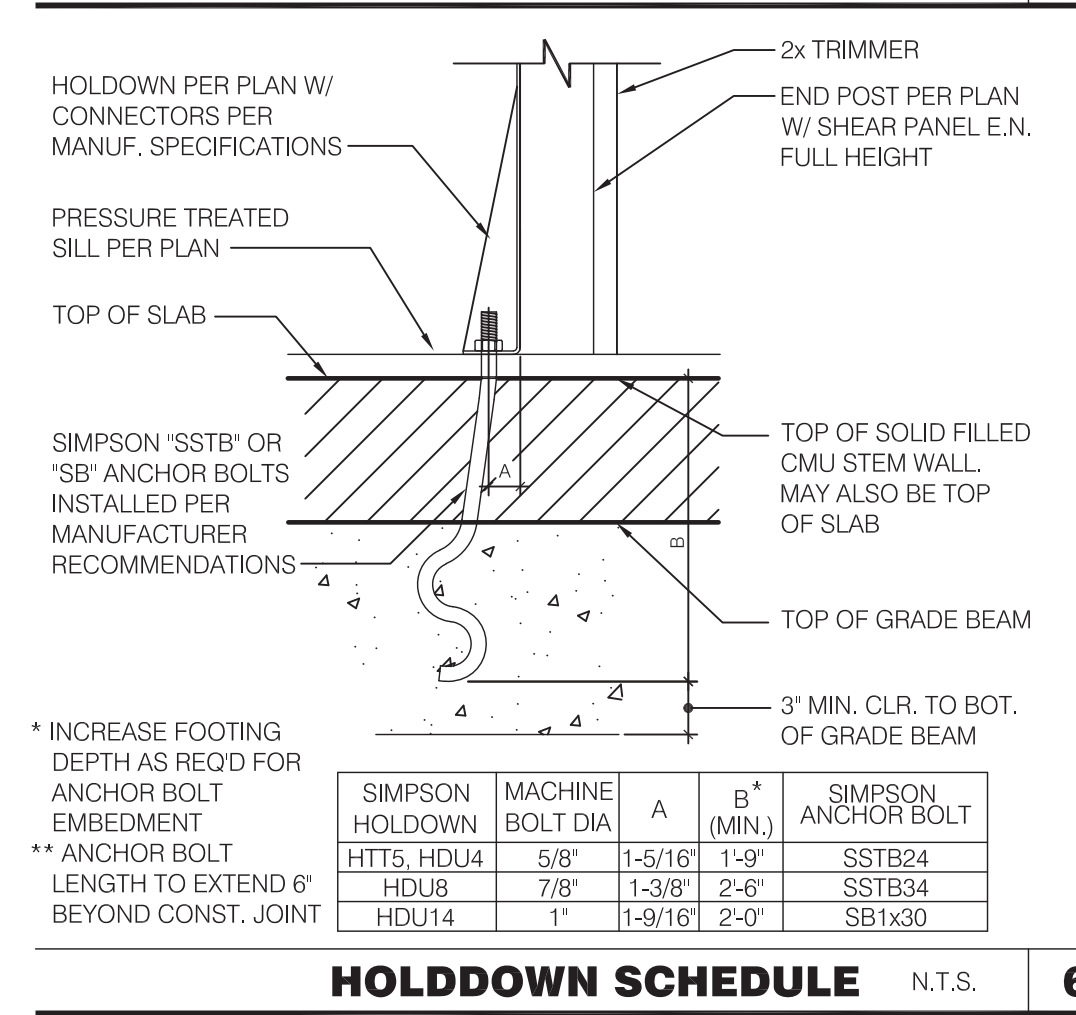
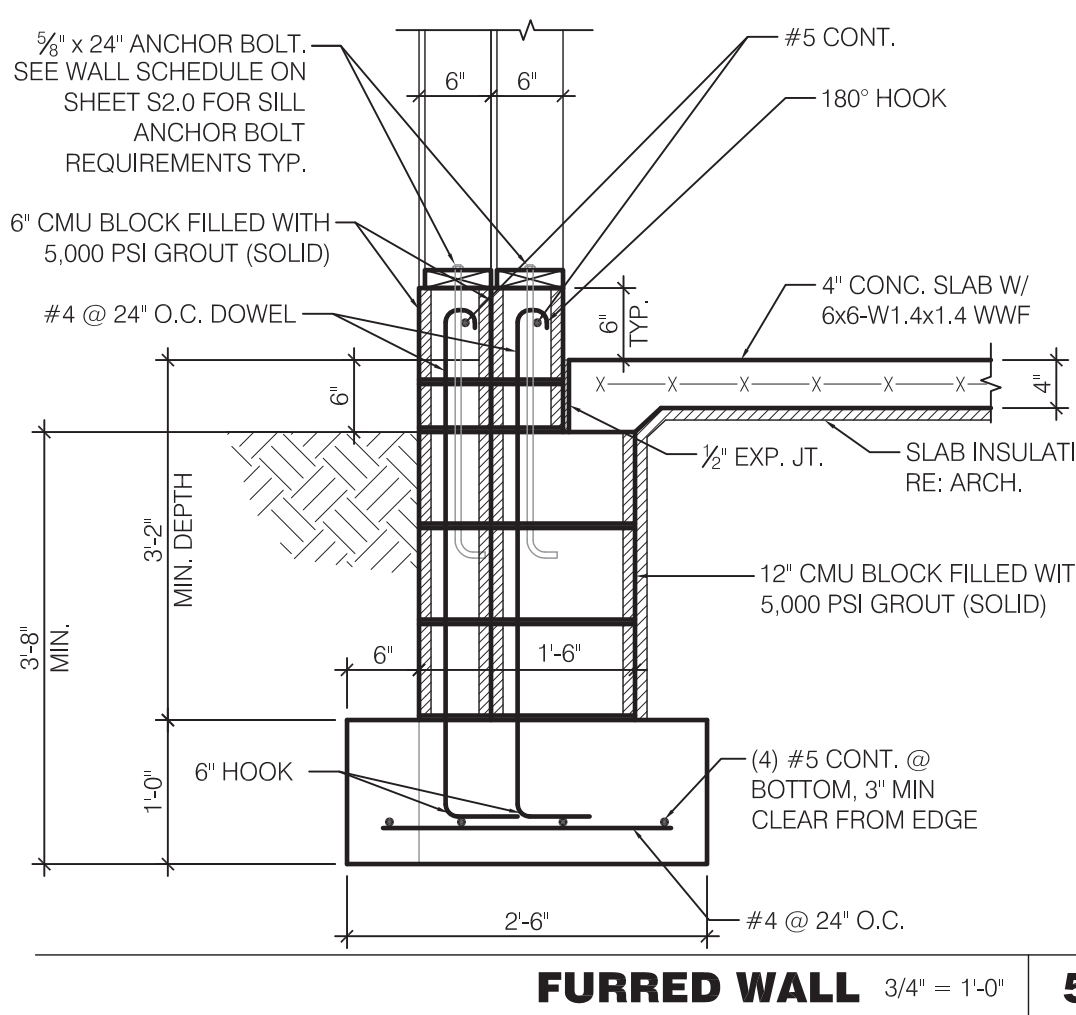
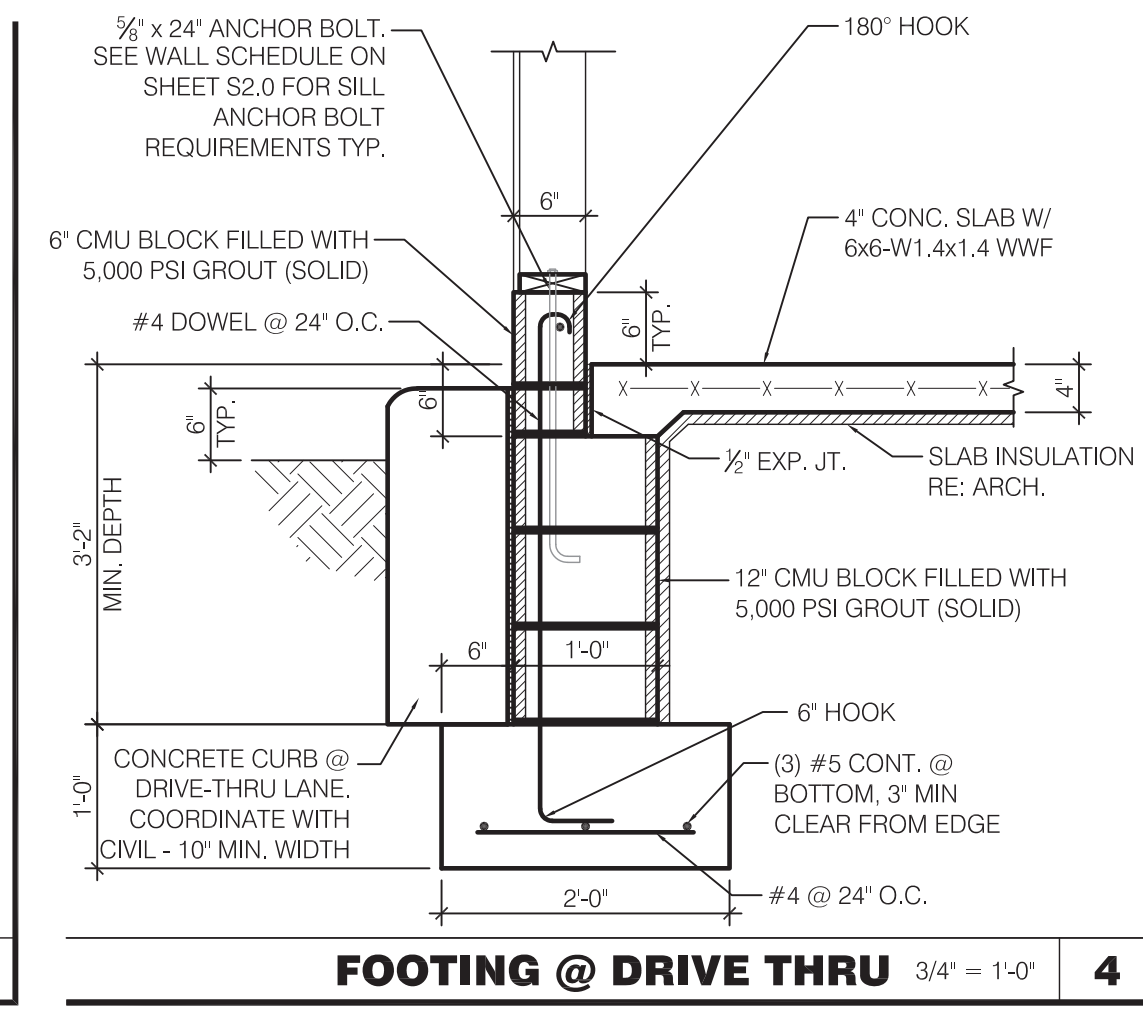
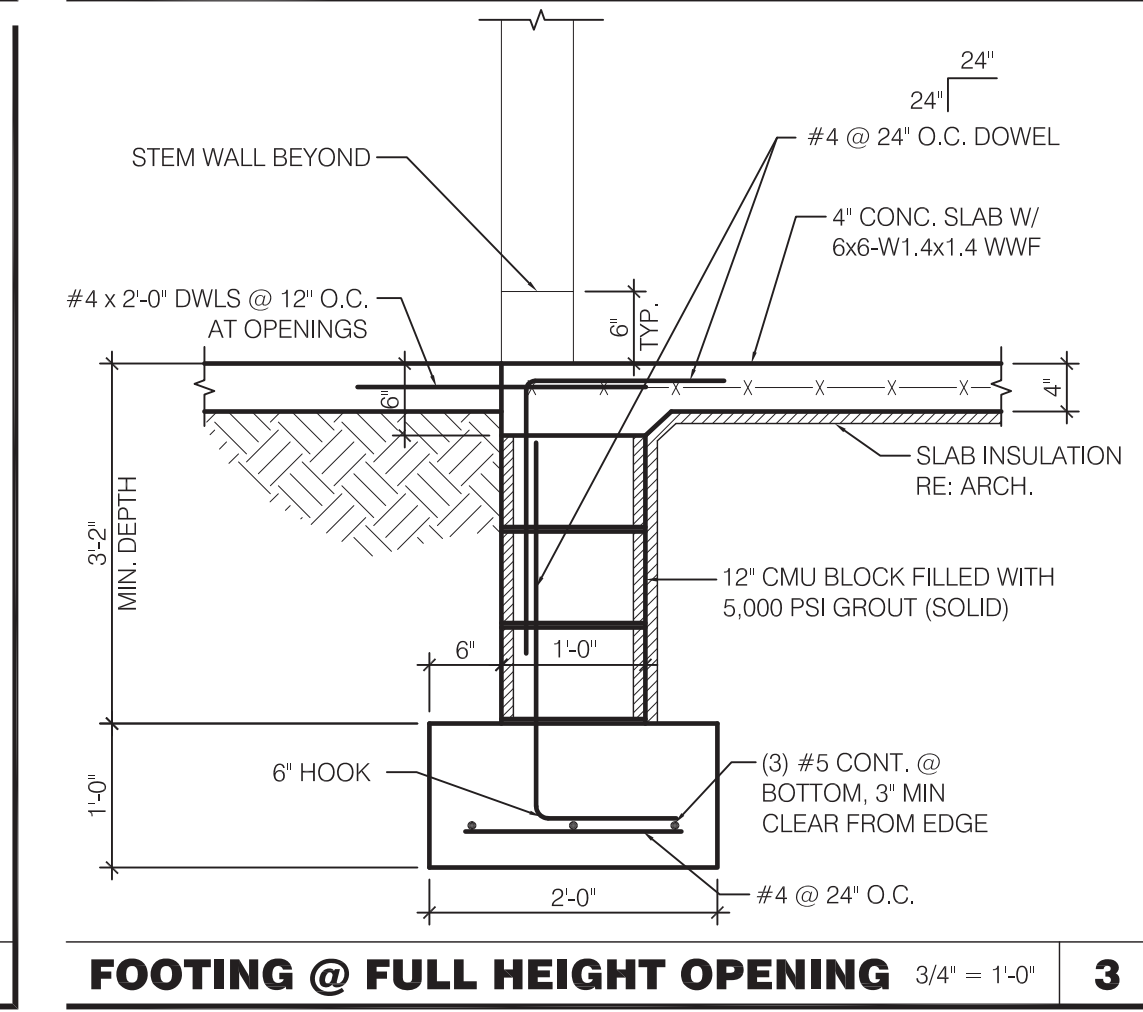
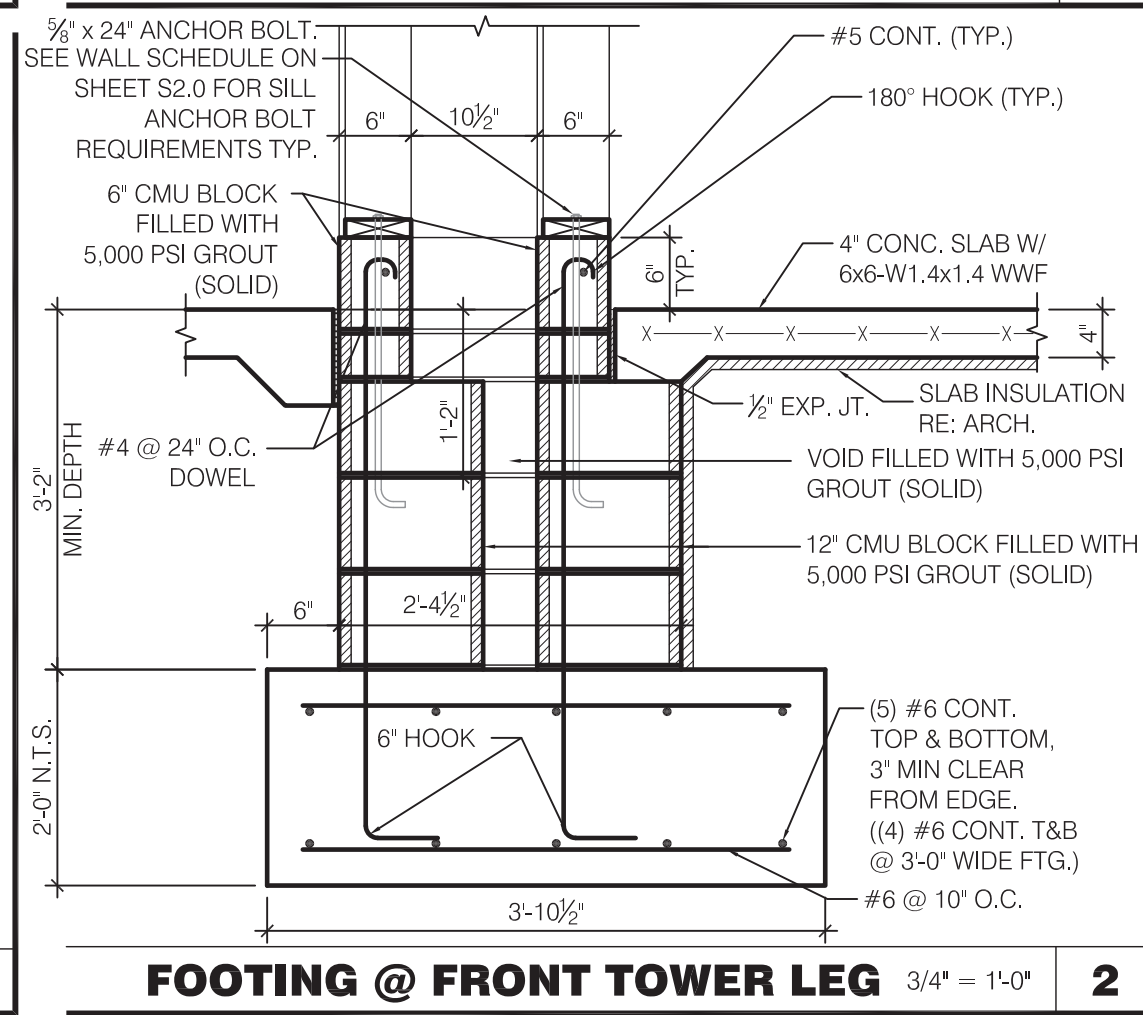
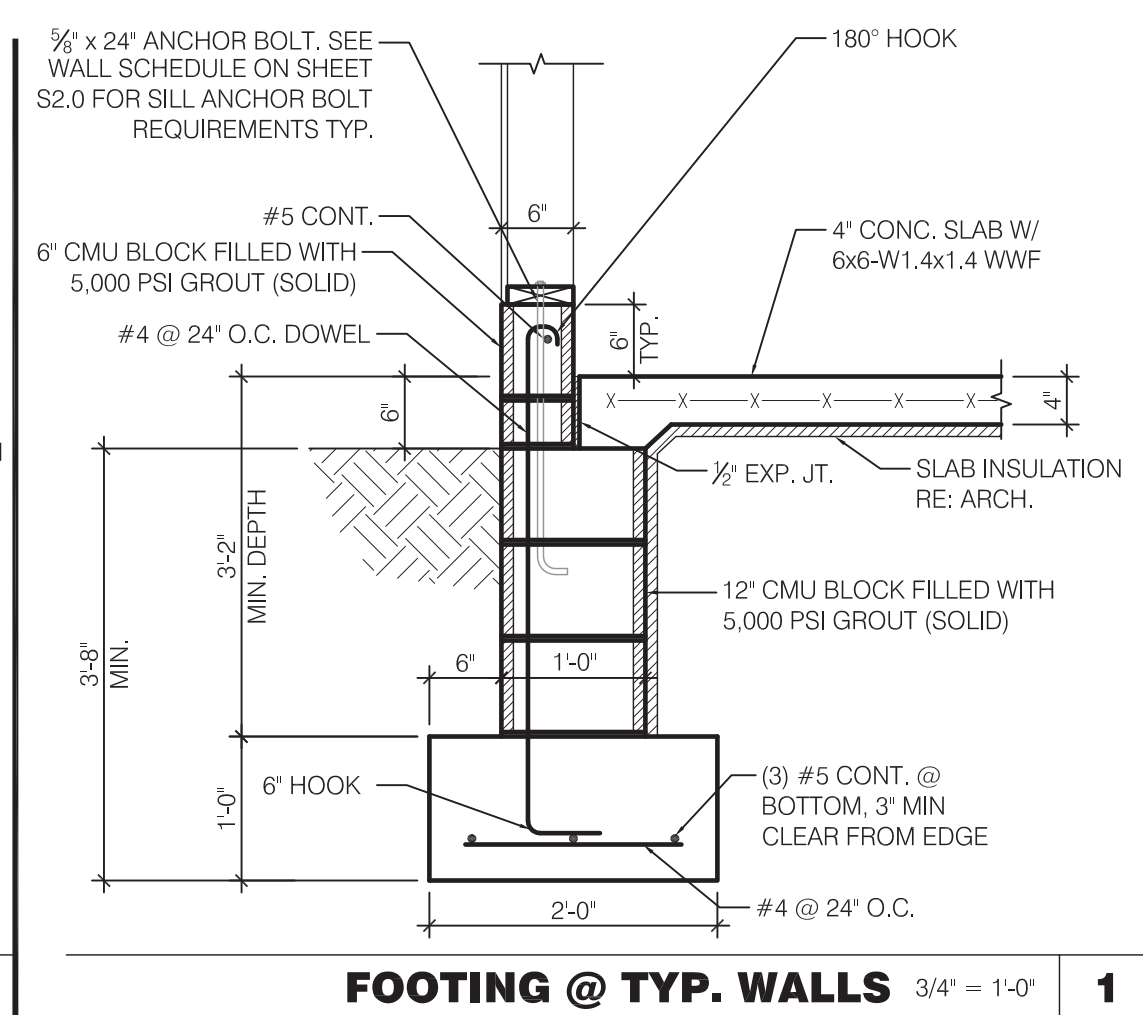


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TACO BELL
 LIVE MAS
 LARGE50 - REVERSE
ALTERNATE FOUNDATION DETAILS
S4.0A

PERMIT PLOT DATE: 03.22.17



NOT USED NTS 17

NOT USED NTS 13

NOT USED NTS 5

NOT USED NTS 1

NOT USED NTS 18

NOT USED NTS 14

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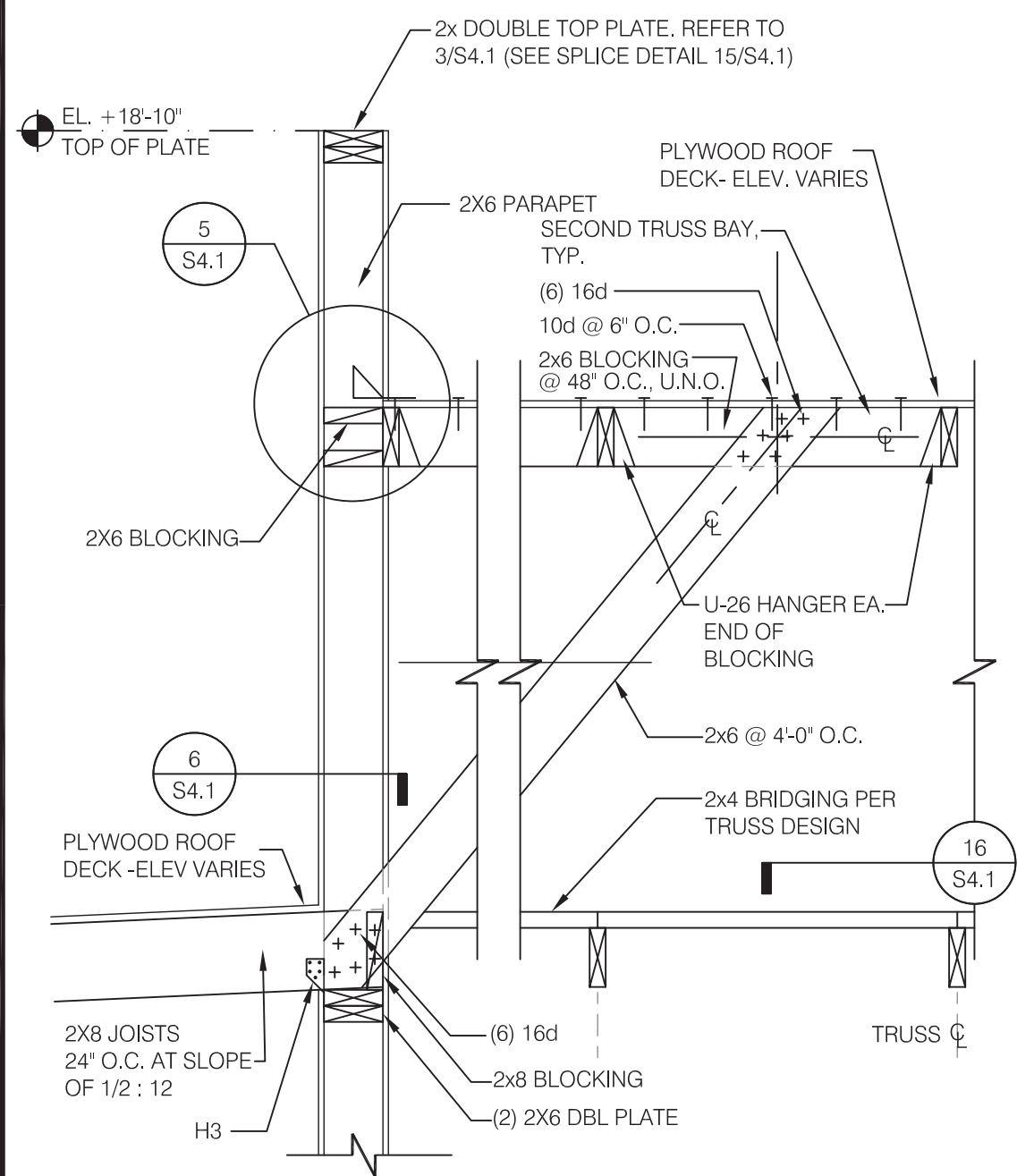
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NOT USED NTS 20

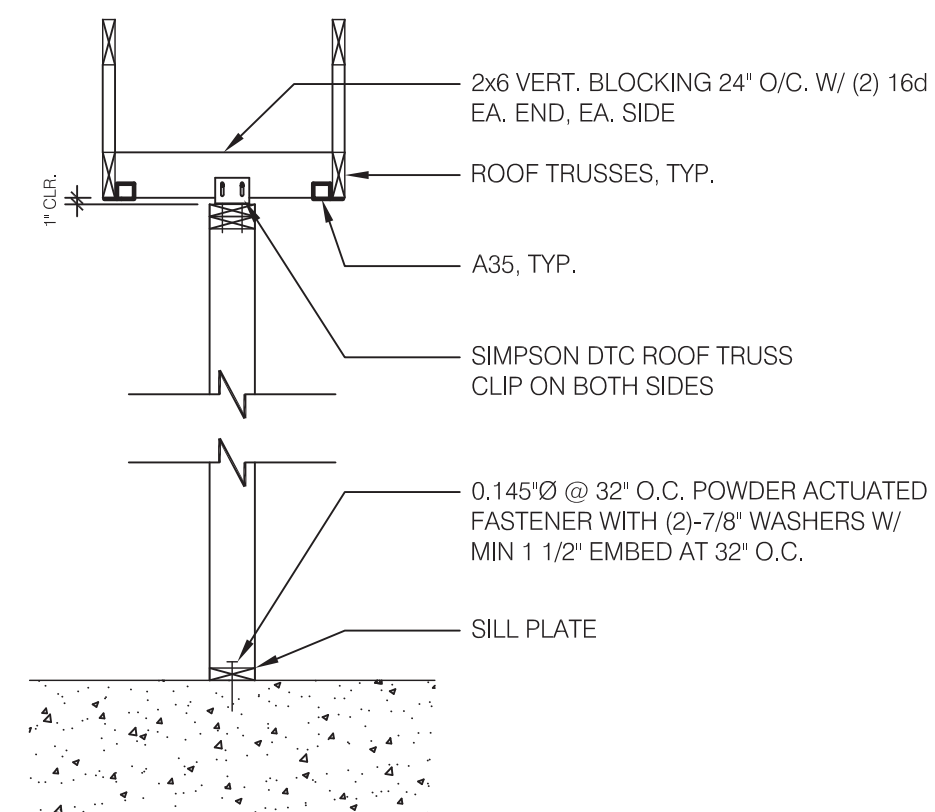
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NOT USED NTS 8

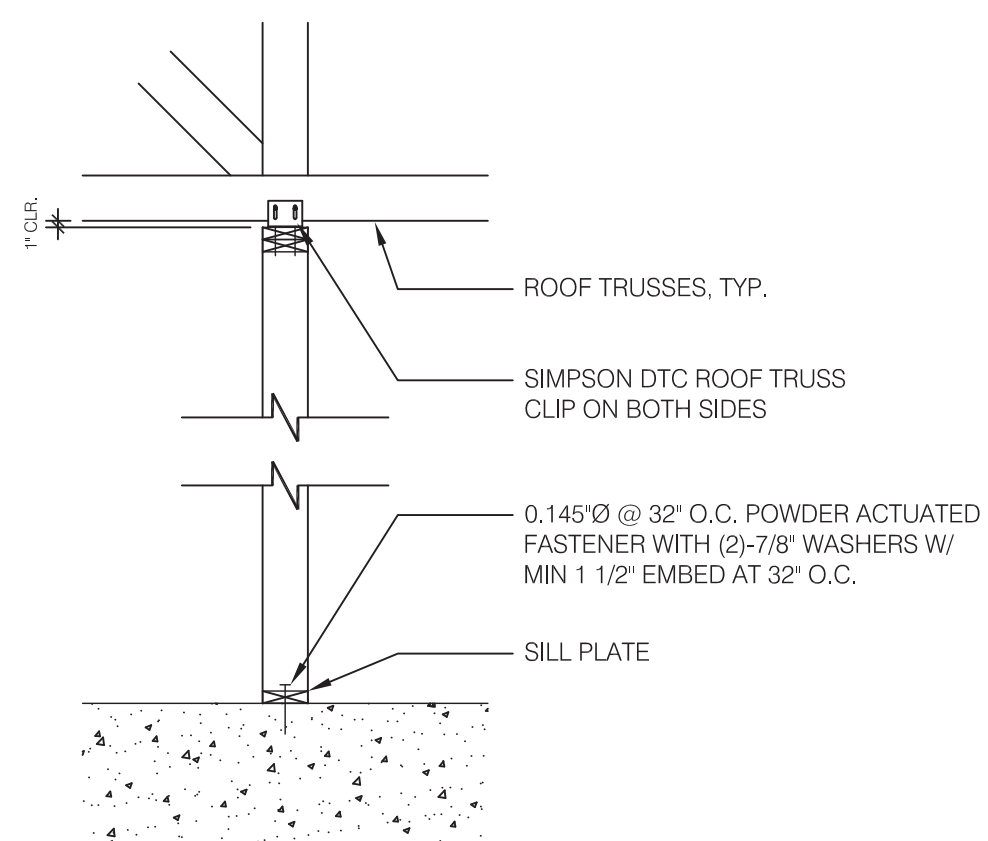
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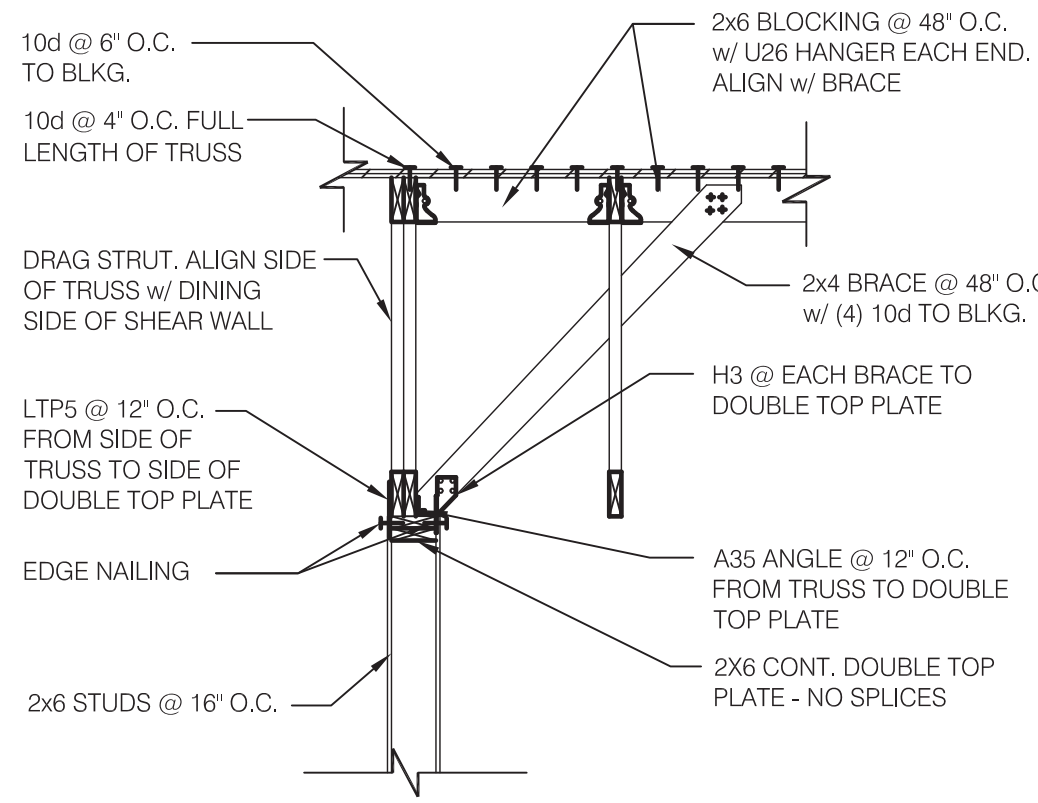
REAR WALL 3/4" = 1'-0" **18**



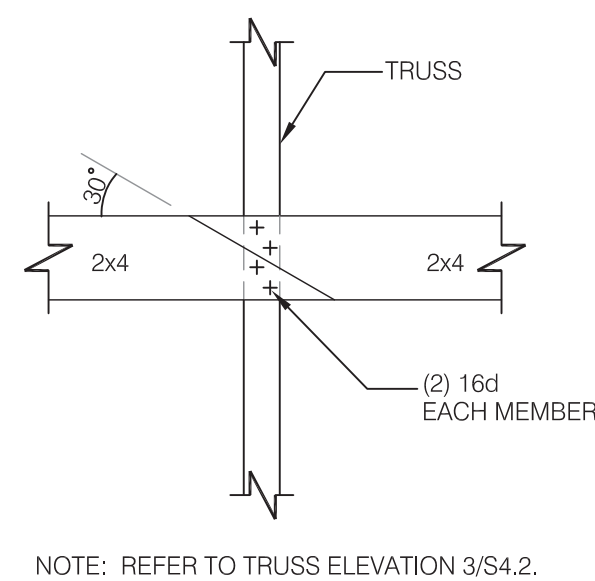
SUPPORT - PARALLEL TO TRUSS 1/2" = 1'-0" **13**



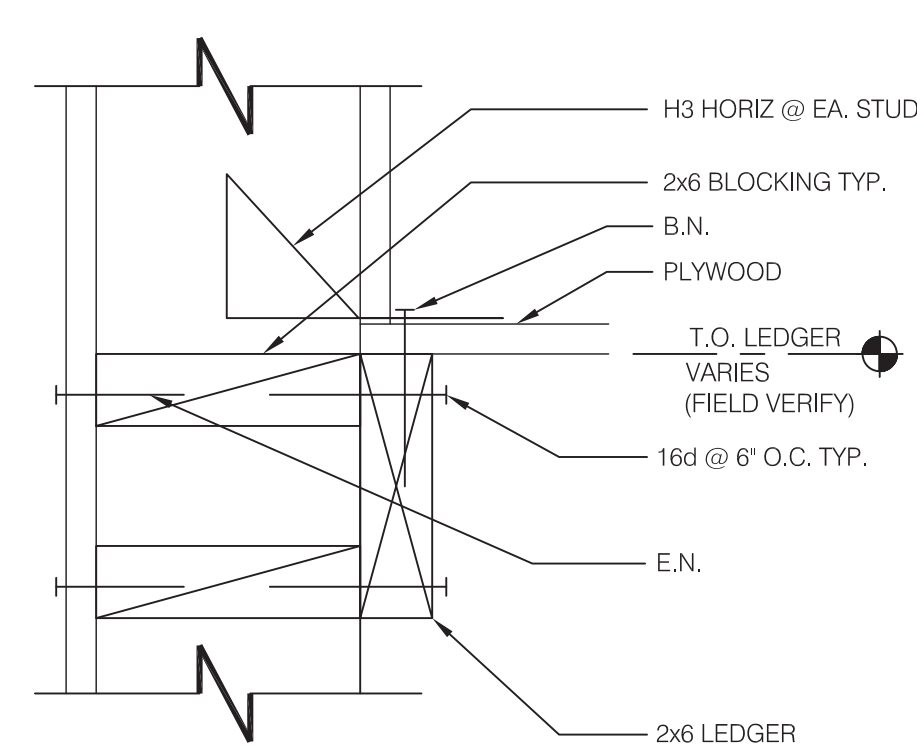
SUPPORT PERP. TO TRUSS 1/2" = 1'-0" **14**



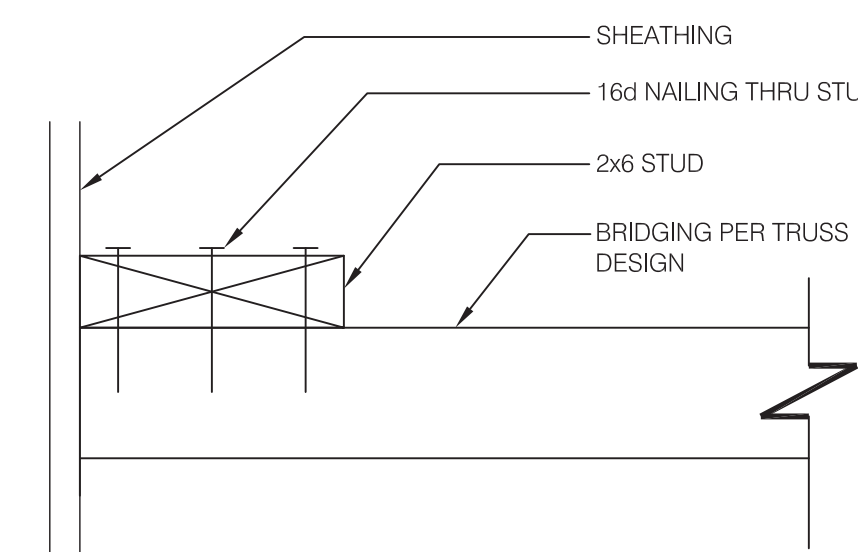
INTERIOR SHEAR WALL 1/4" = 1'-0" **9**



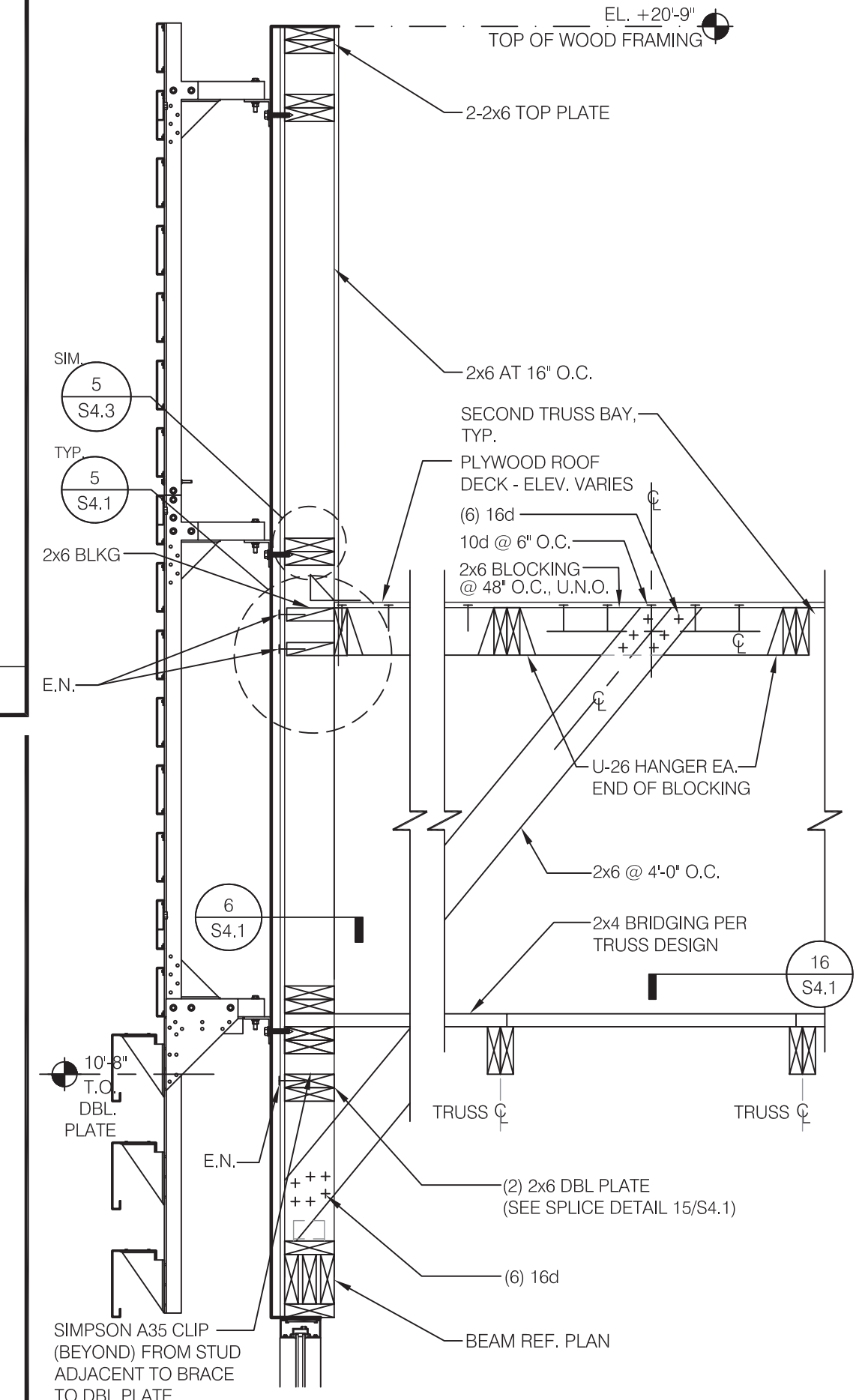
BRIDGING LAP DETAIL @ OPEN CLG. N.T.S. **10**



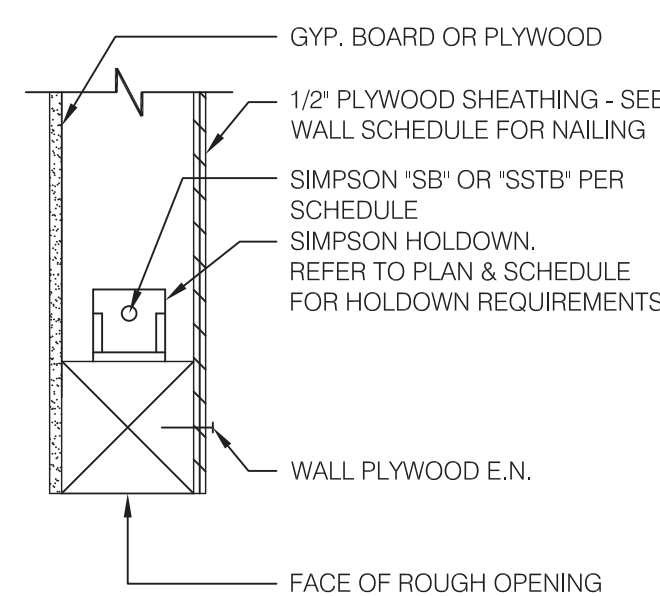
LEDGER DETAIL 3' = 1'-0" **5**



BRIDGING DETAIL N.T.S. **6**



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



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

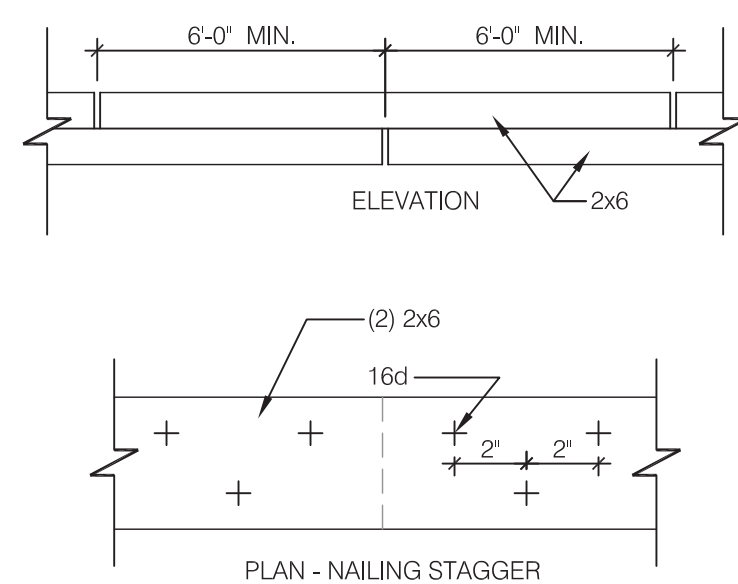
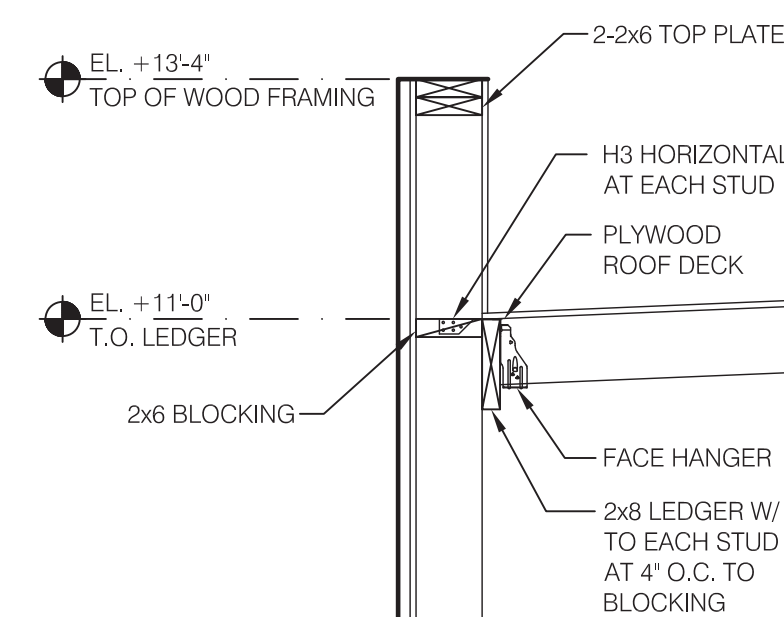
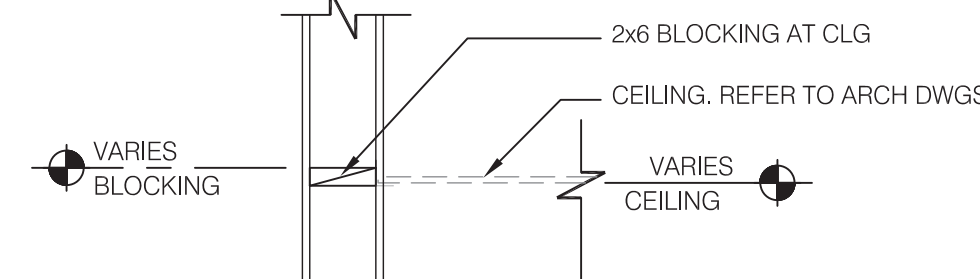


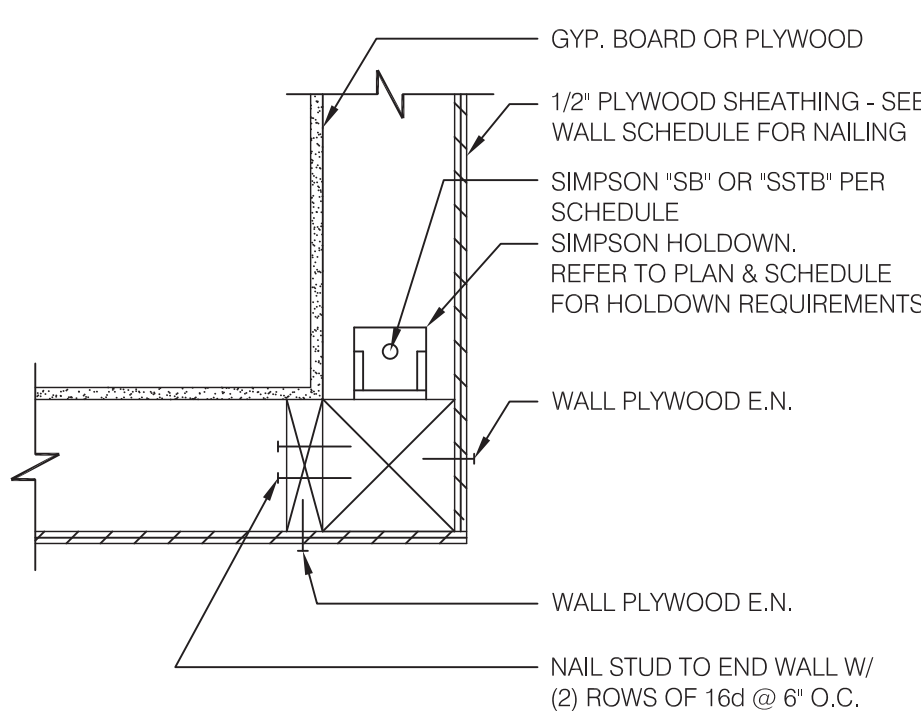
PLATE LAP DETAIL N.T.S. **15**



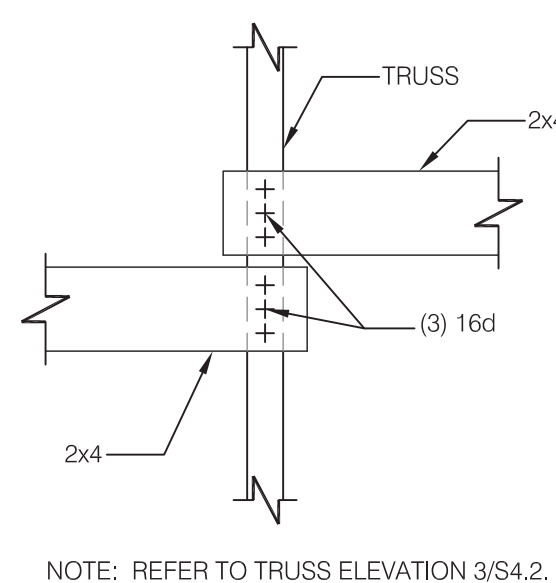
REAR COOLER WALL 3/4" = 1'-0" **11**



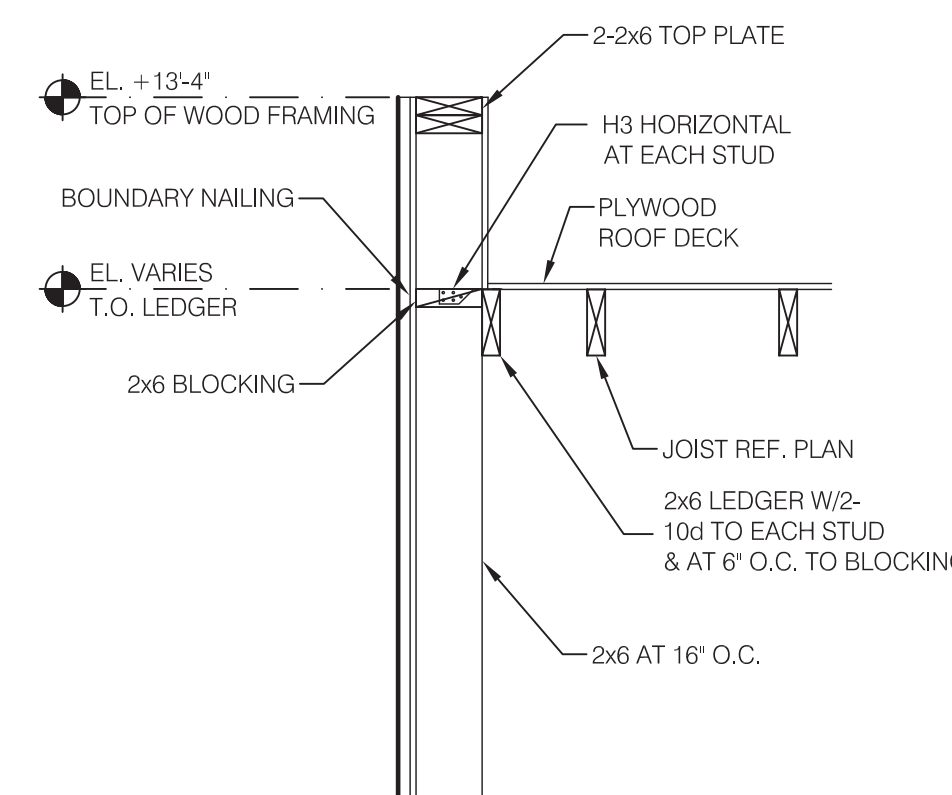
TYP. PARAPET CAP 3' = 1'-0" **3**



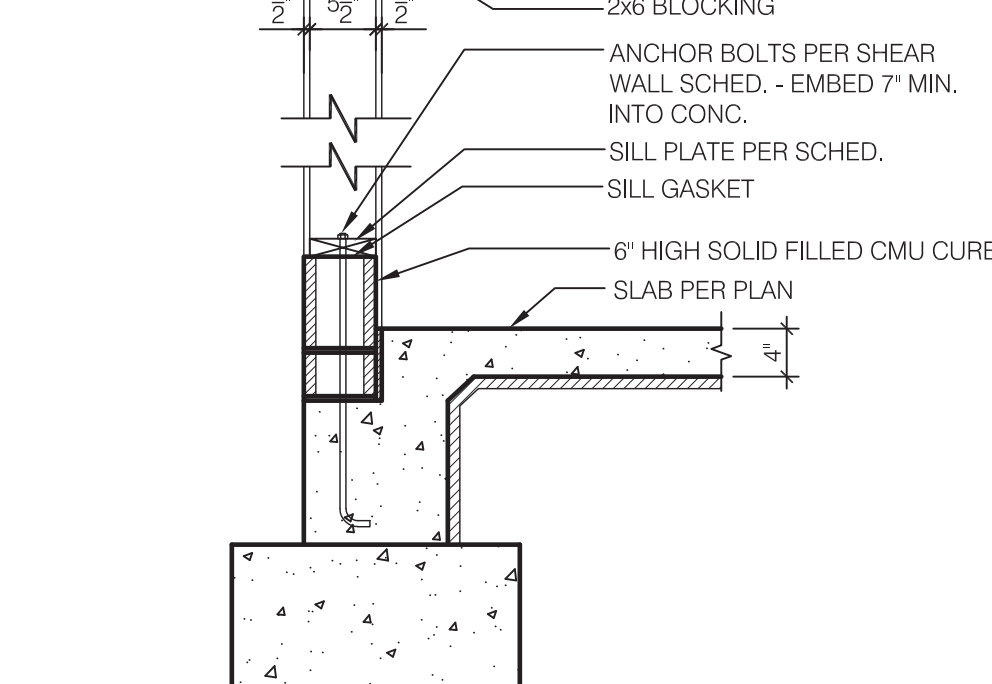
HOLD DOWN CORNER 1-1/2" = 1'-0" **20**



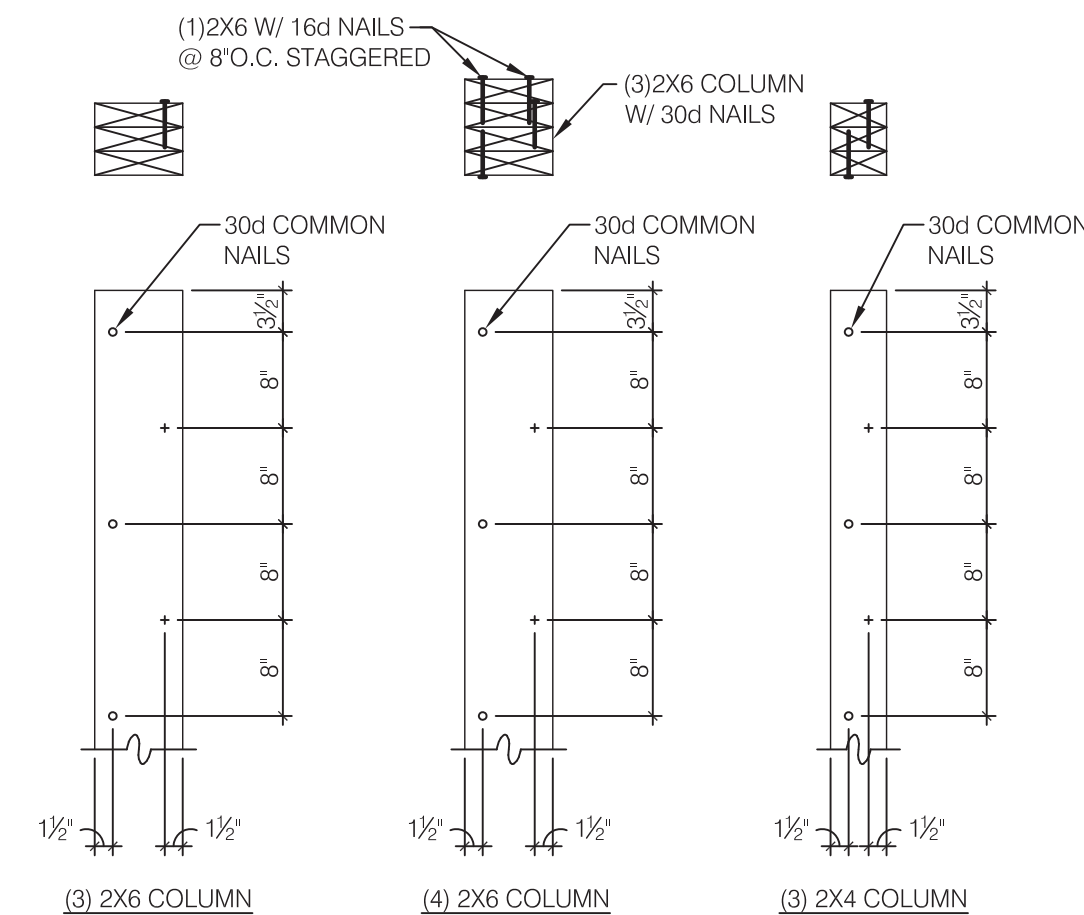
BRIDGING LAP DETAIL N.T.S. **16**



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



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



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

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03.22.17

CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 -- REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrana Heights, PA 15065



STRUCTURAL DETAILS

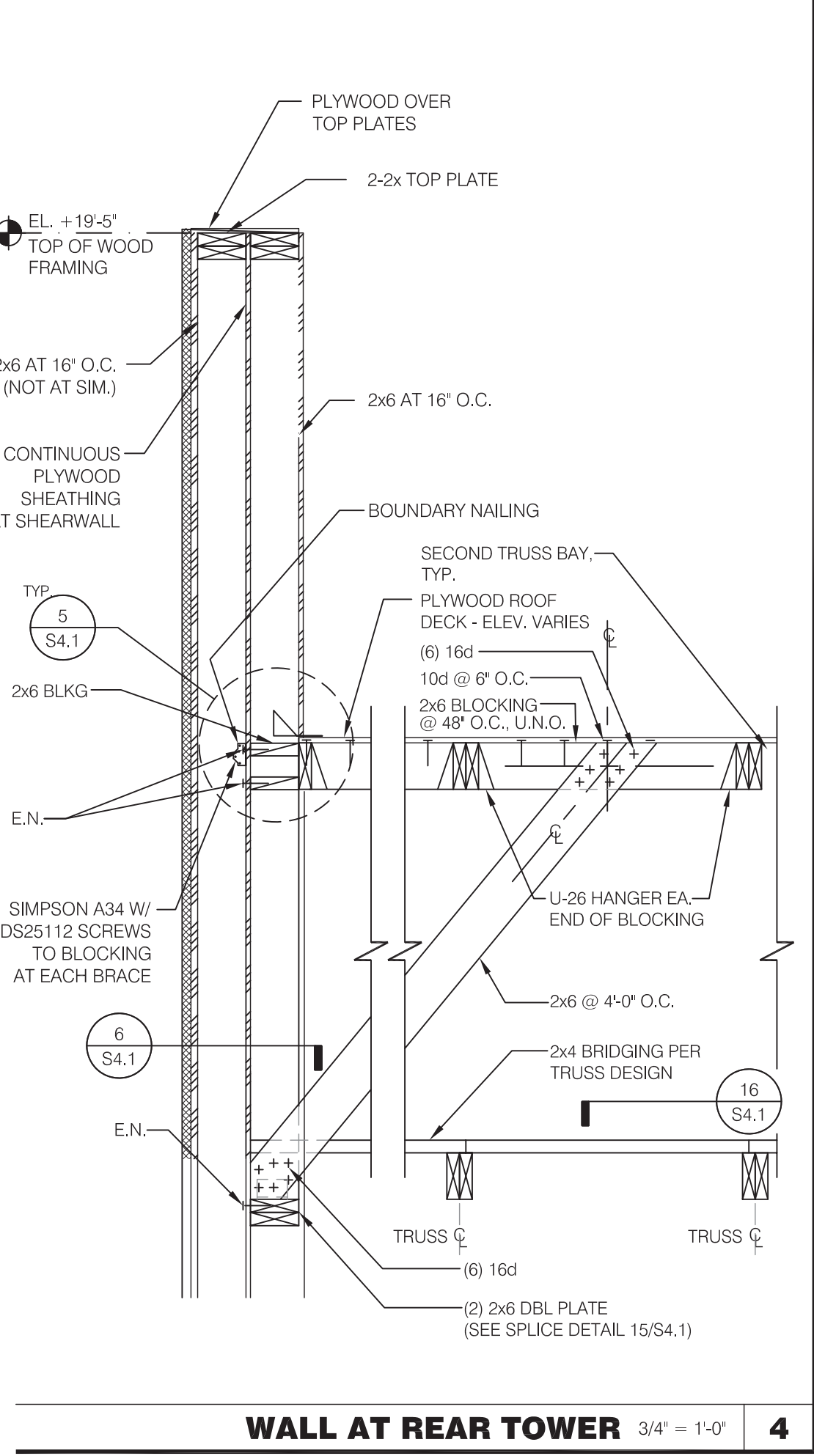
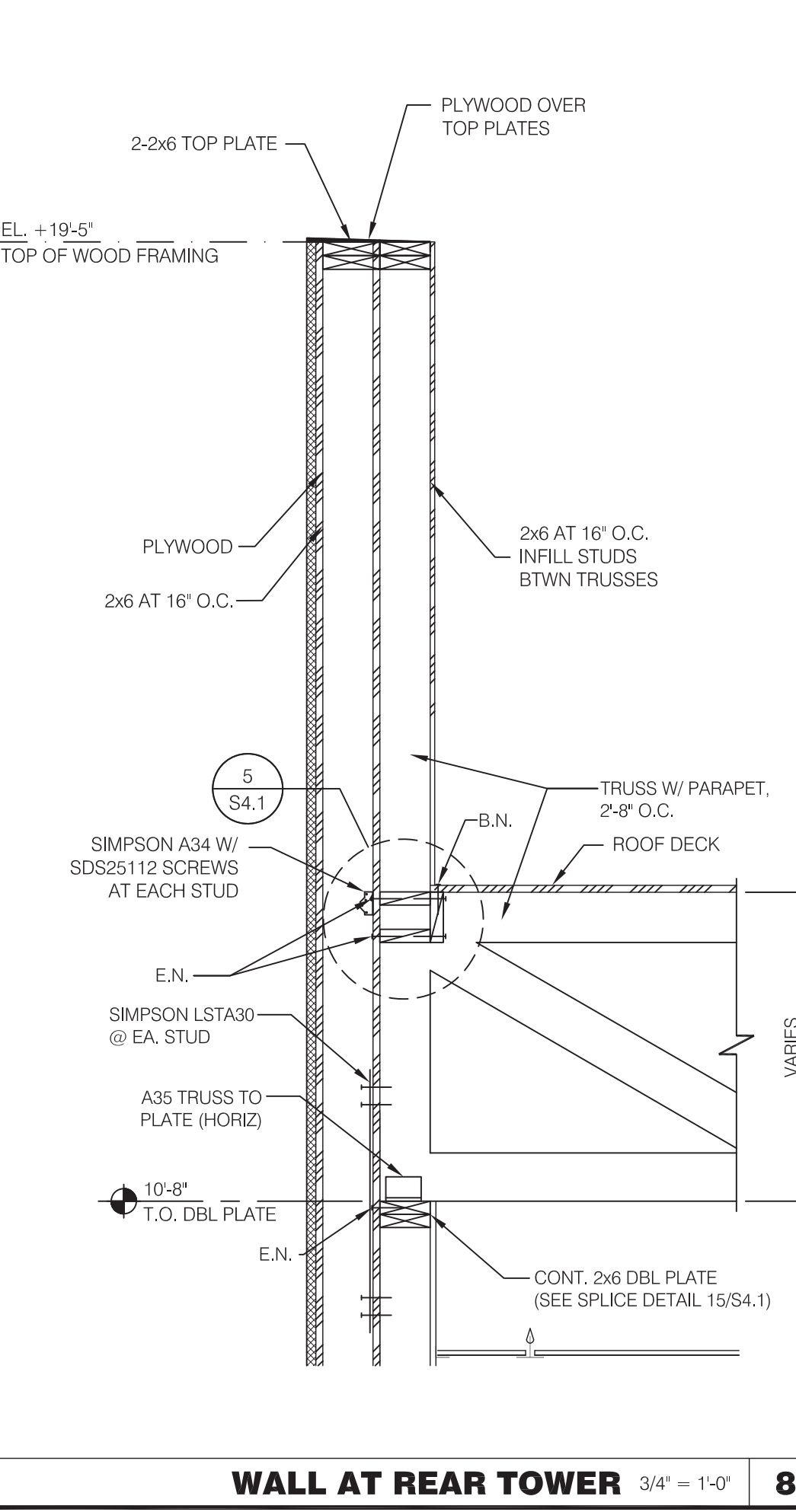
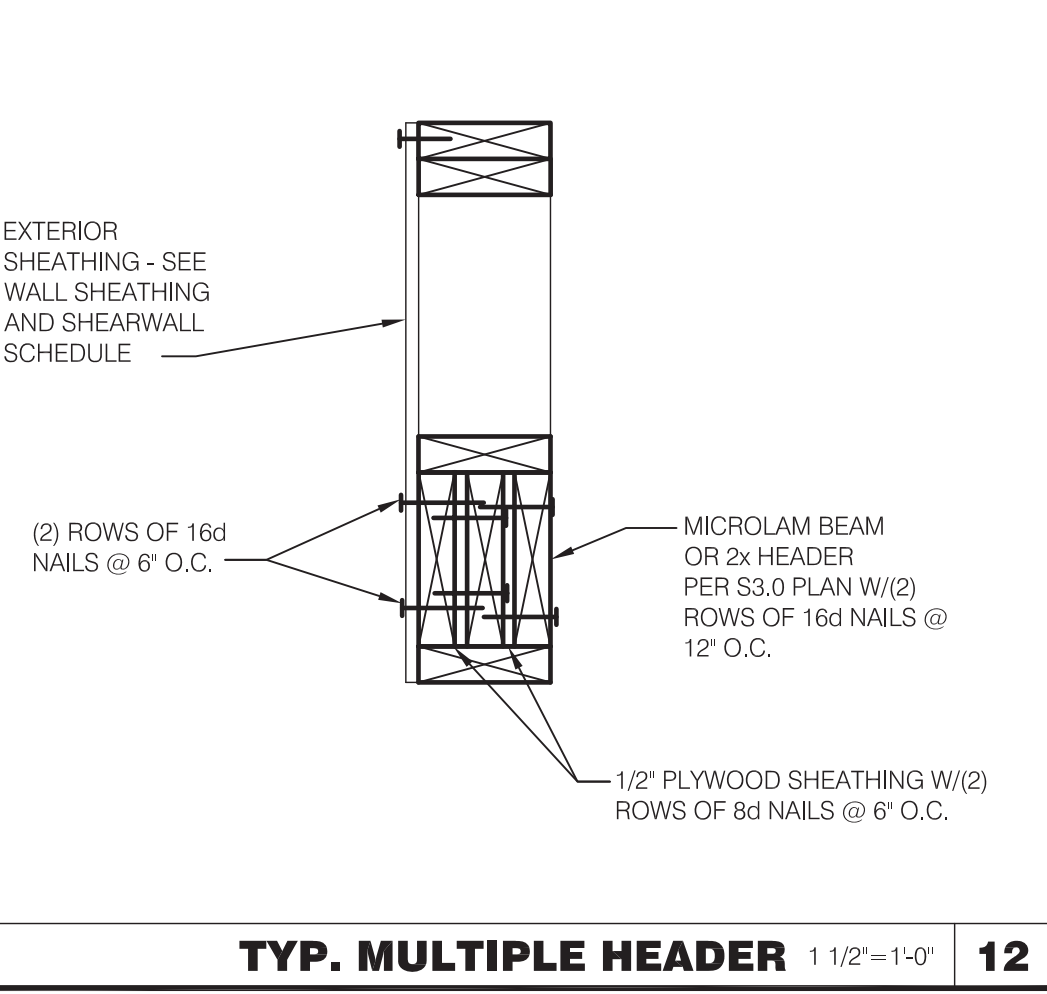
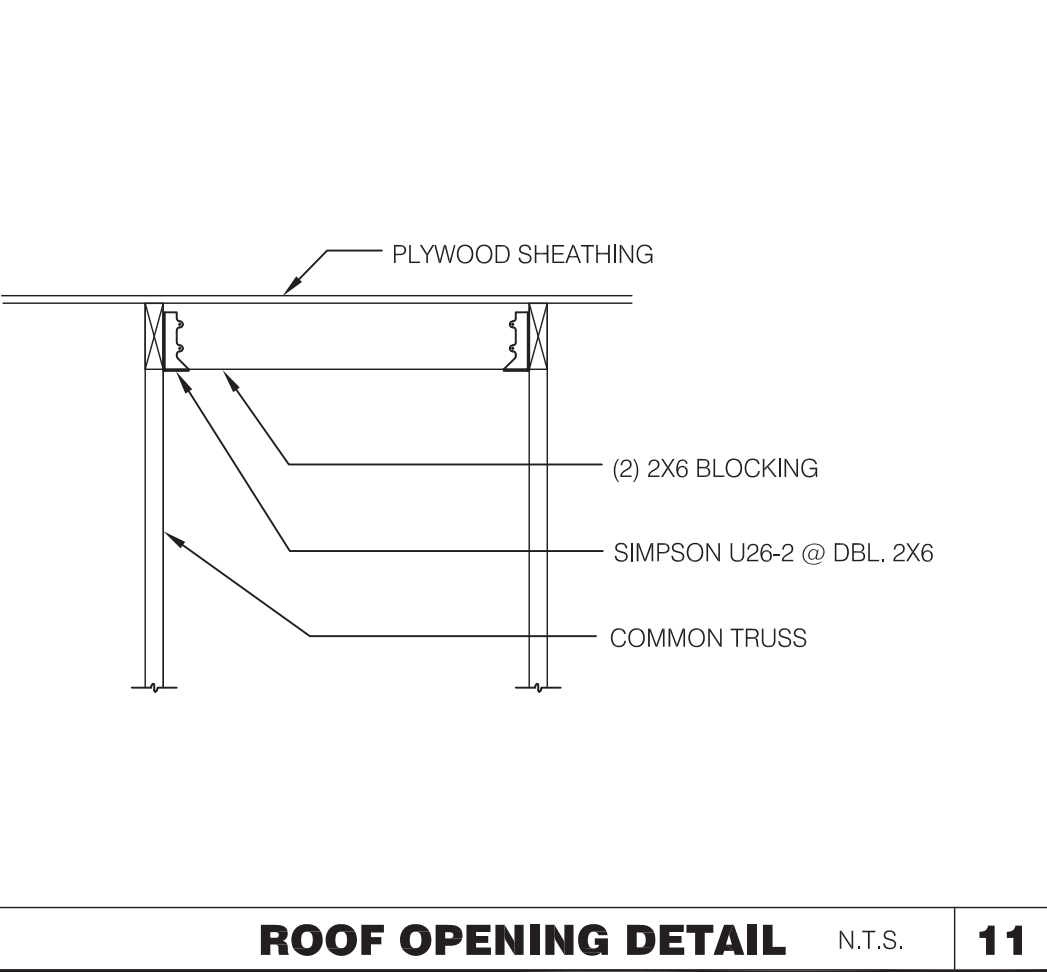
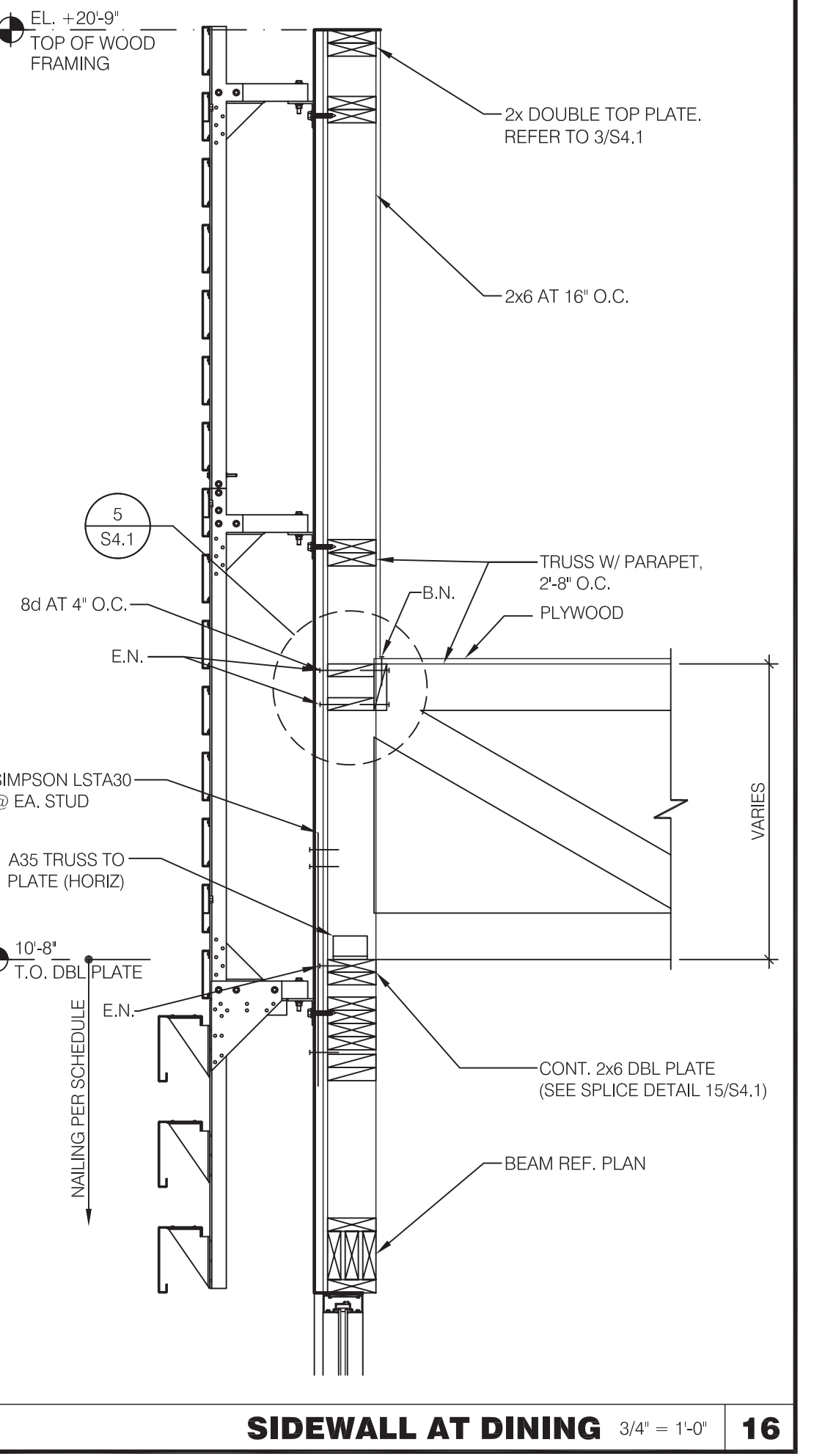
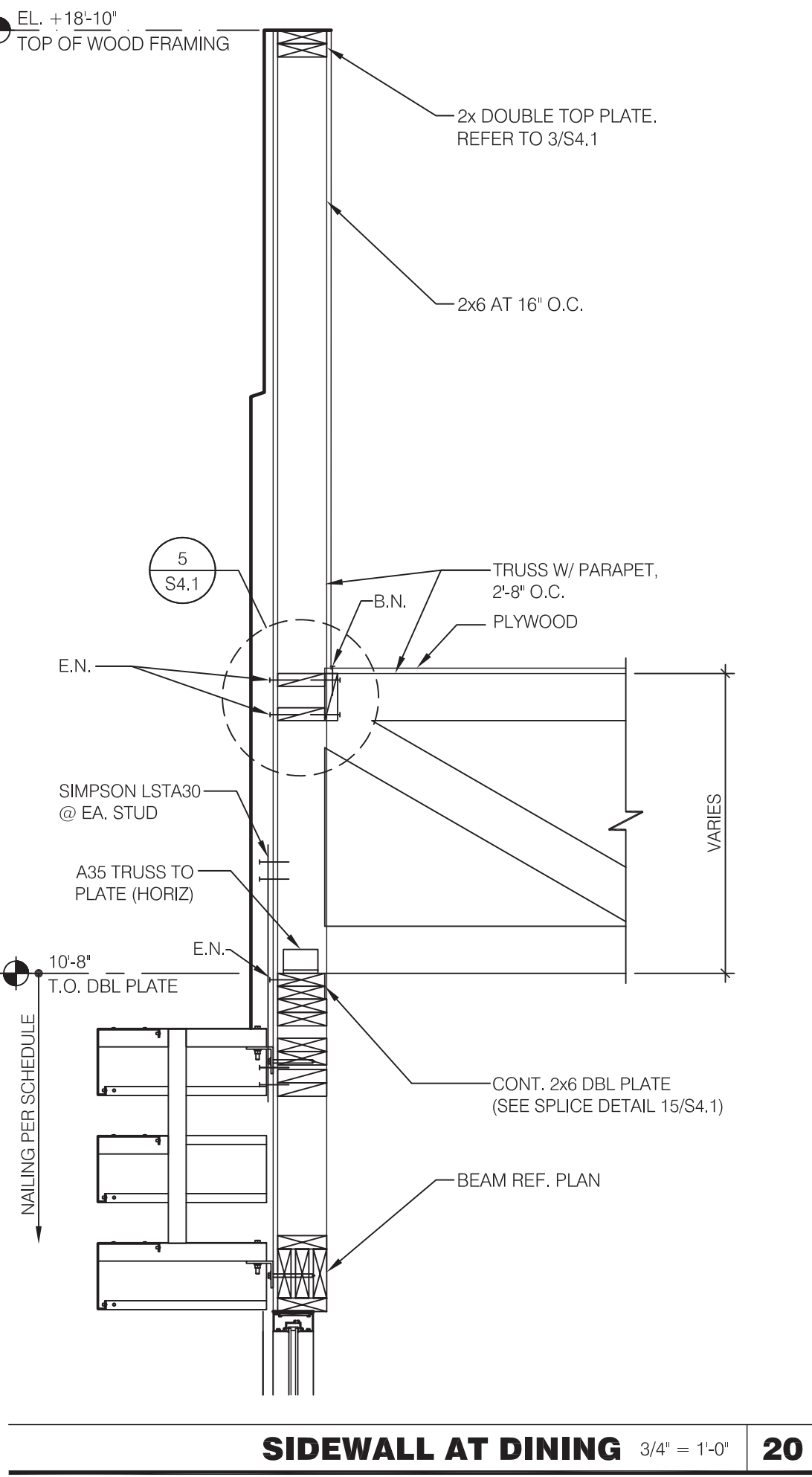
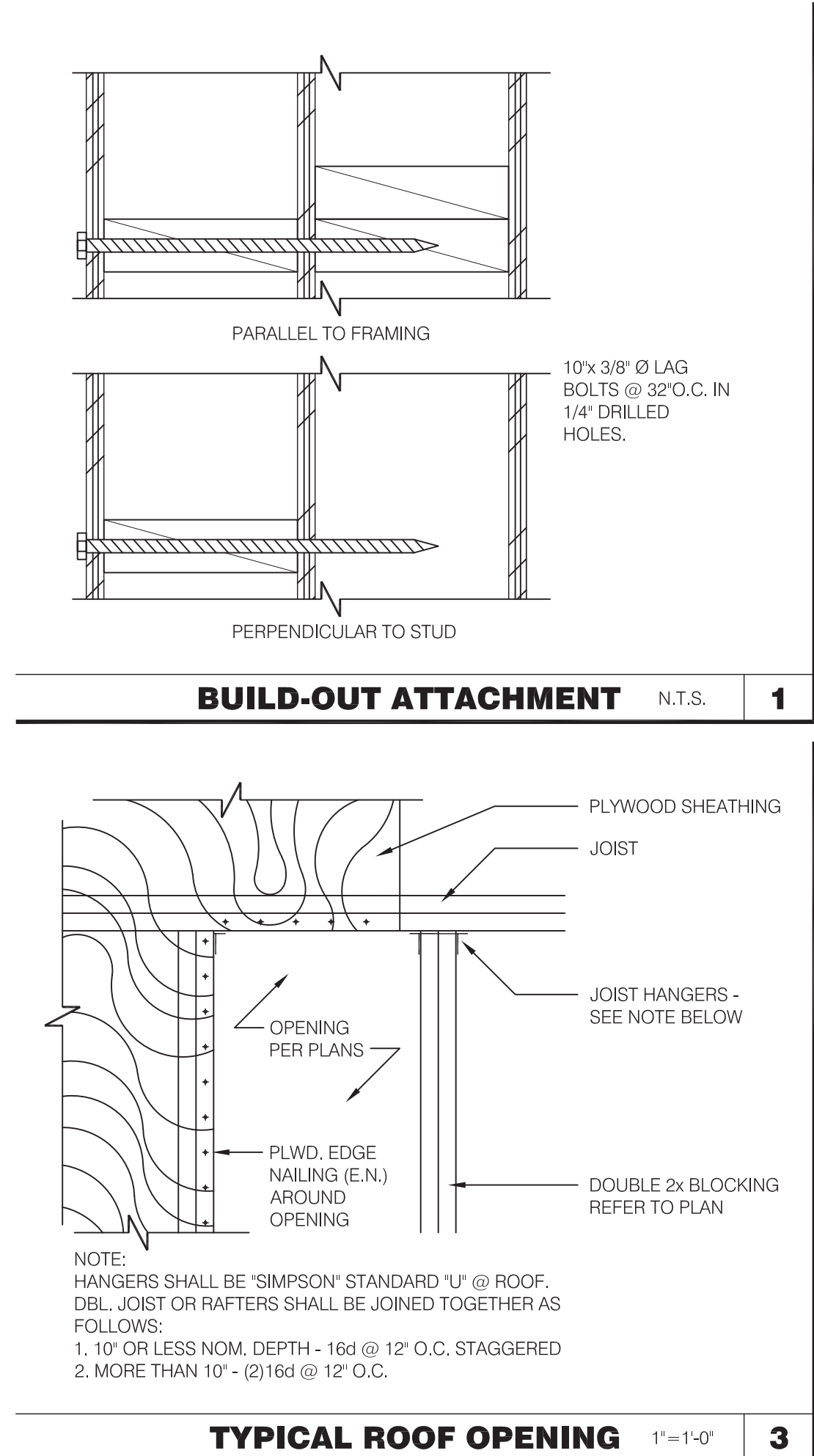
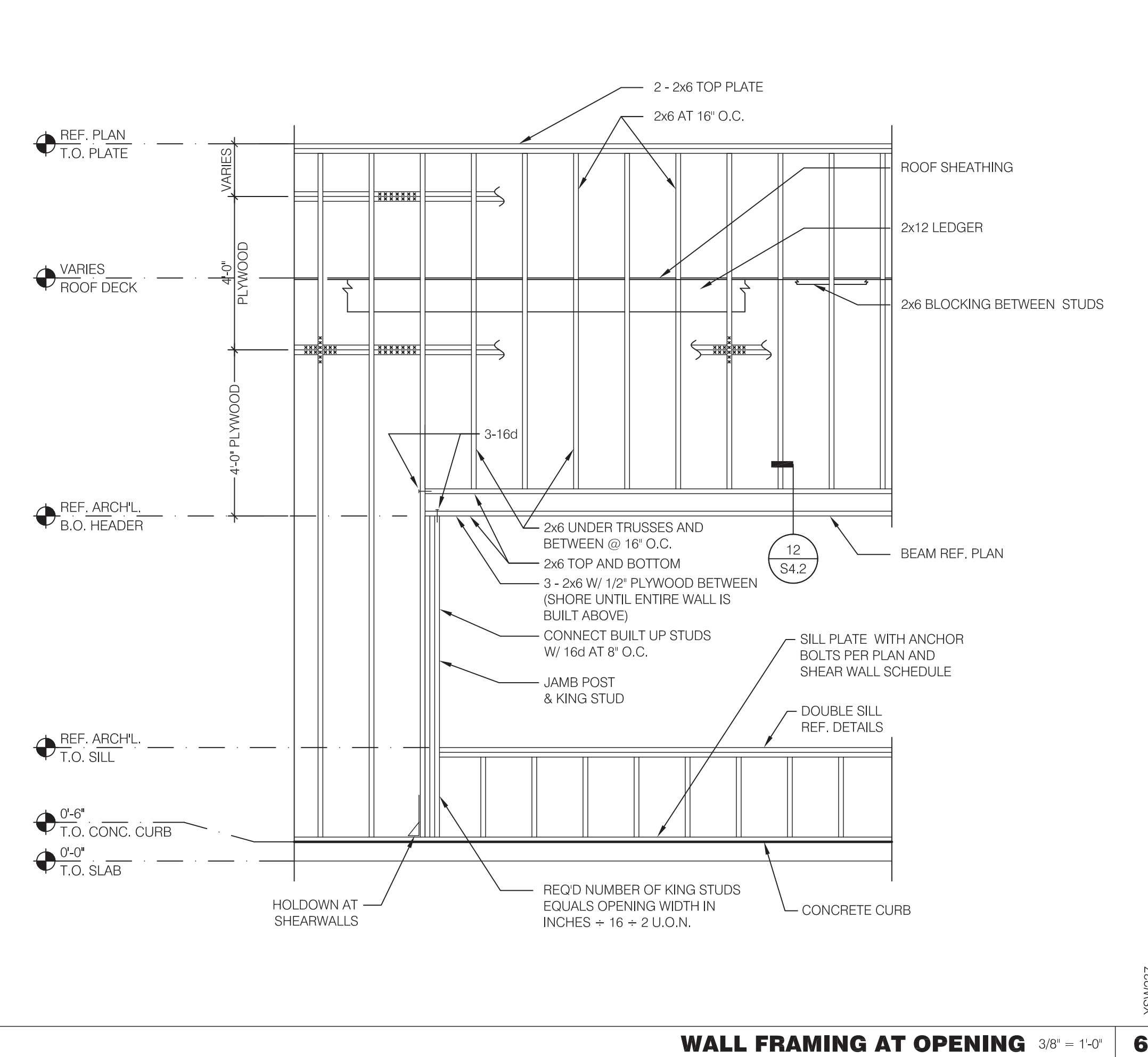
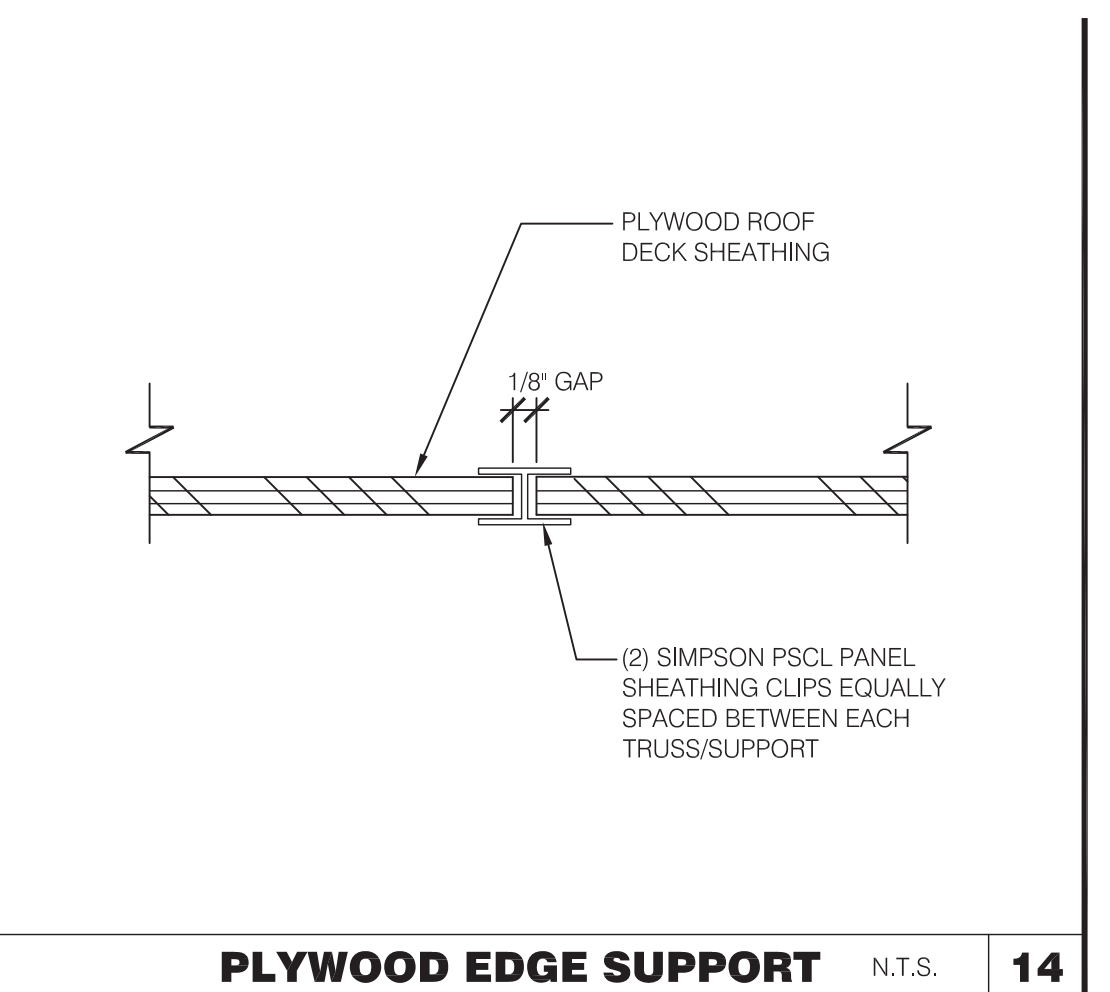
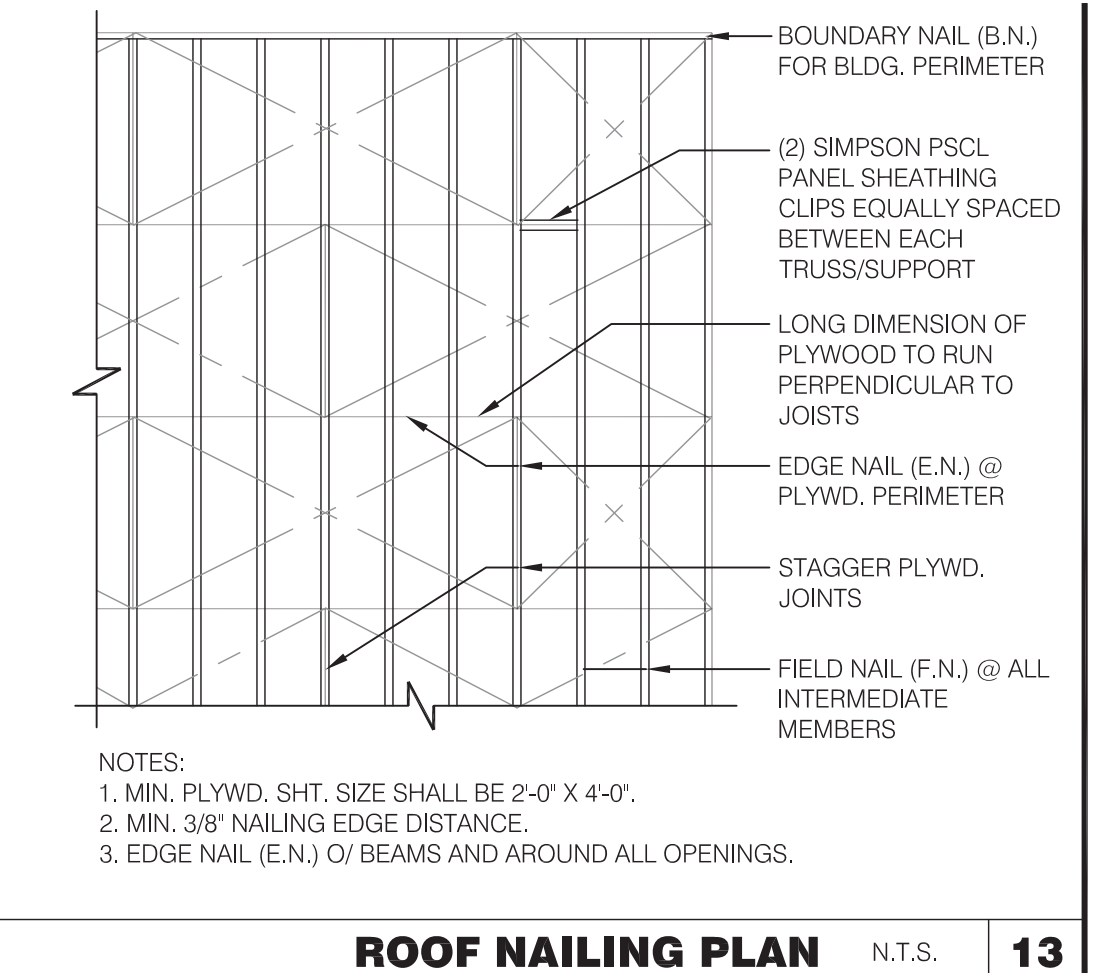
S4.1

PERMIT PLOT DATE: 03.22.17

CONNECTION TYPE:

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

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



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03.22.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

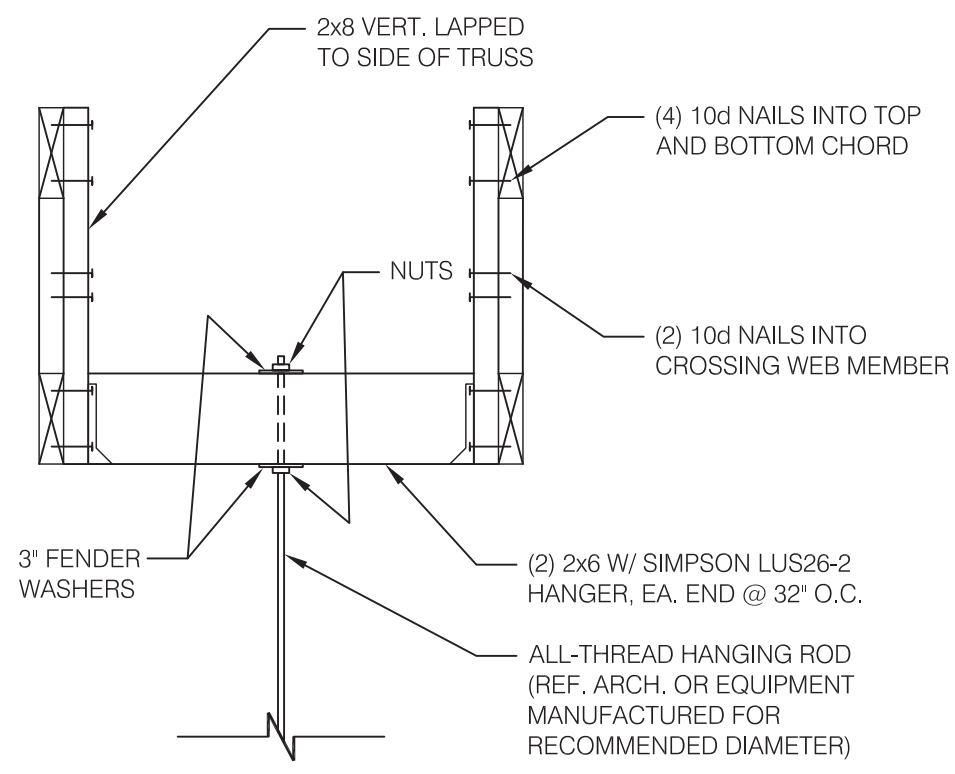
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE

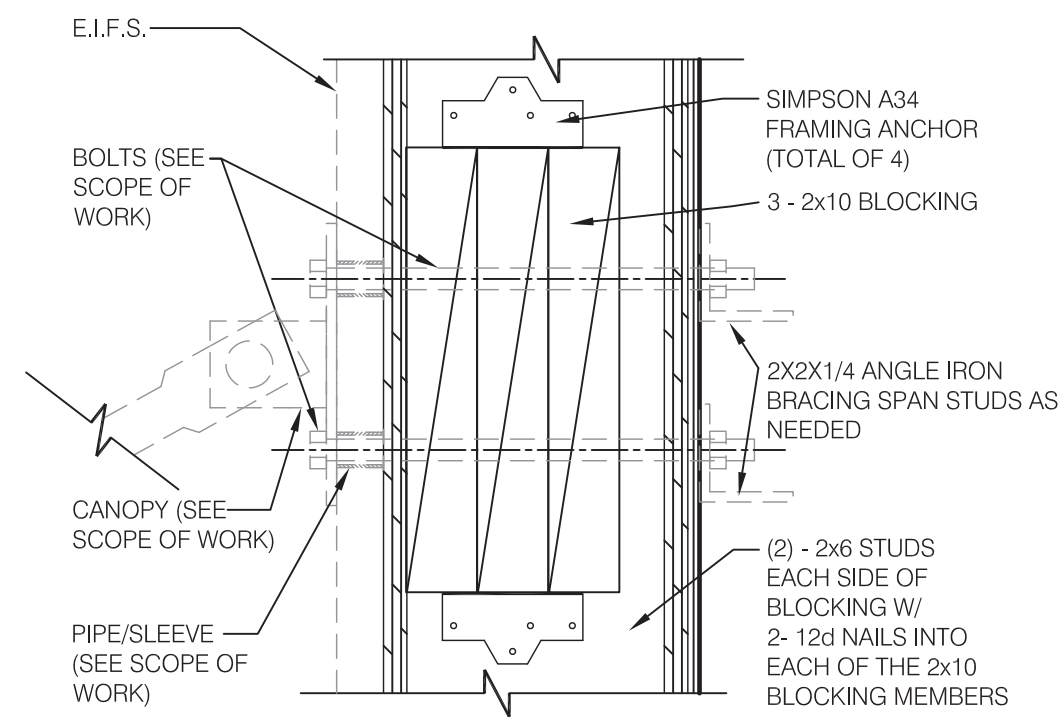
STRUCTURAL DETAILS

S4.2

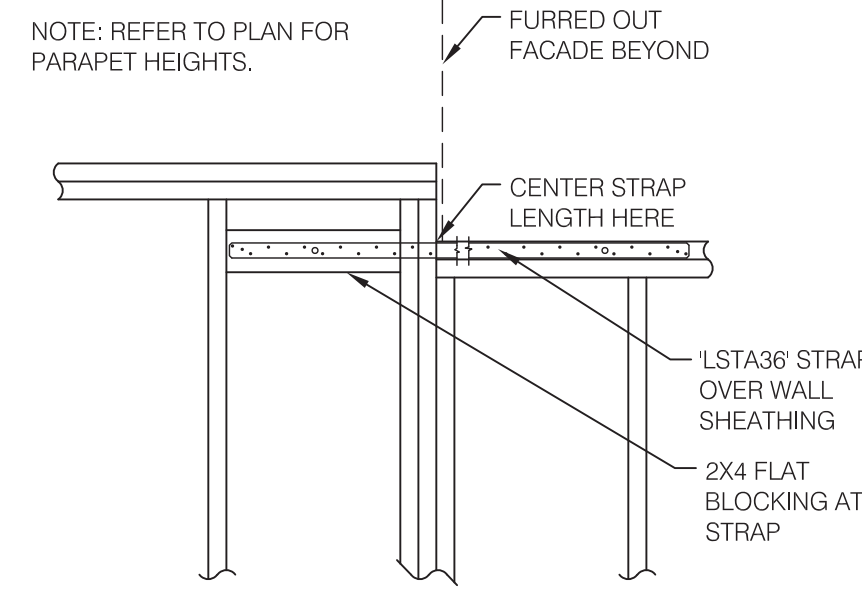
PERMIT PLOT DATE: 03.22.17



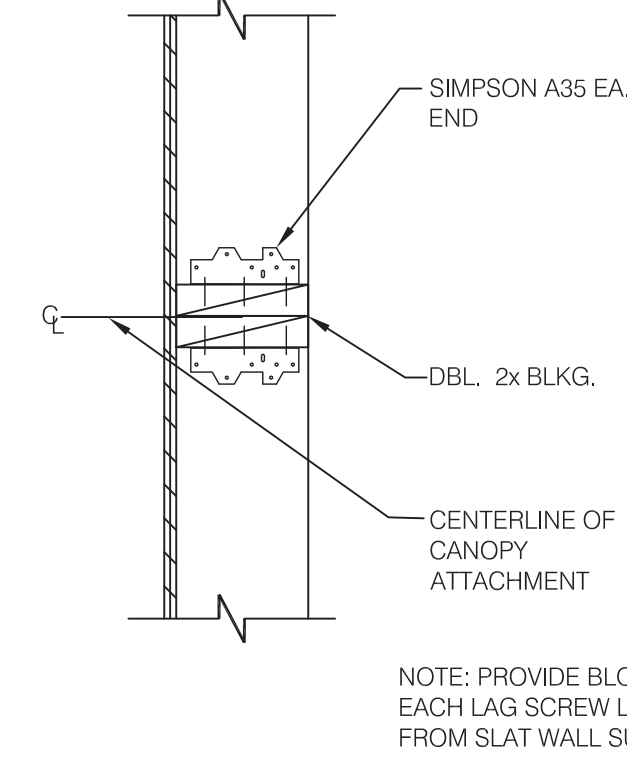
HANGING BULKHD. OR HOOD DETL. N.T.S. **17**



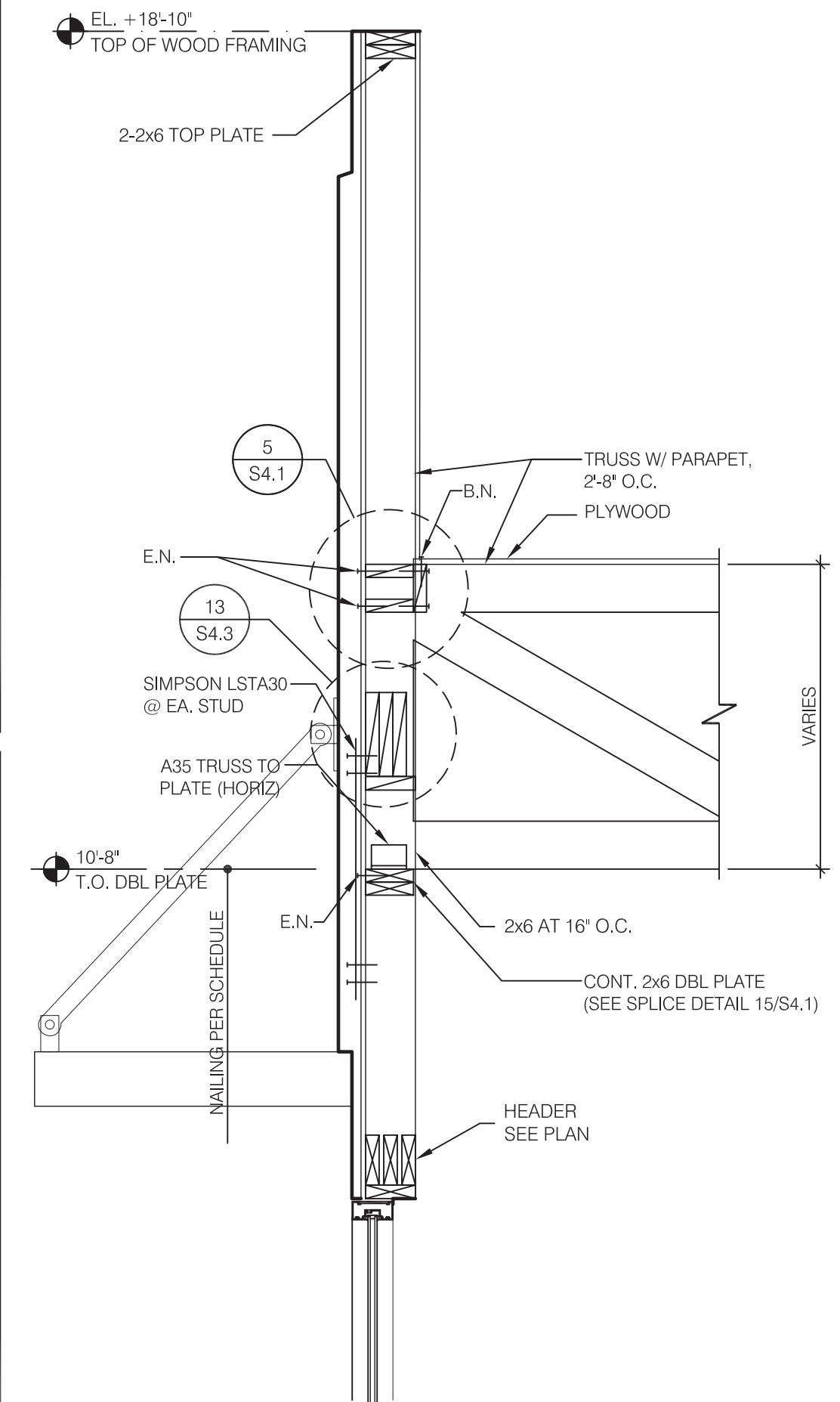
TIE-ROD BLOCKING 3' = 1'-0" **13**



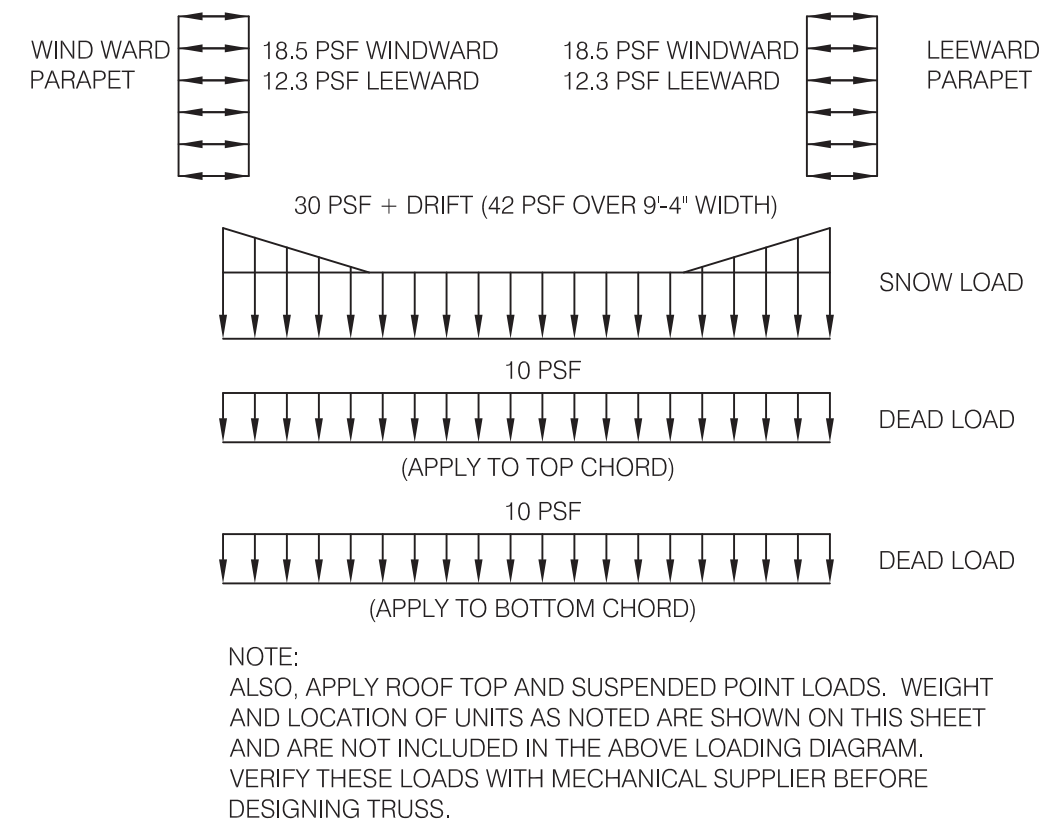
STRAP AT PARAPET HEIGHT TRANS. N.T.S. **9**



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



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



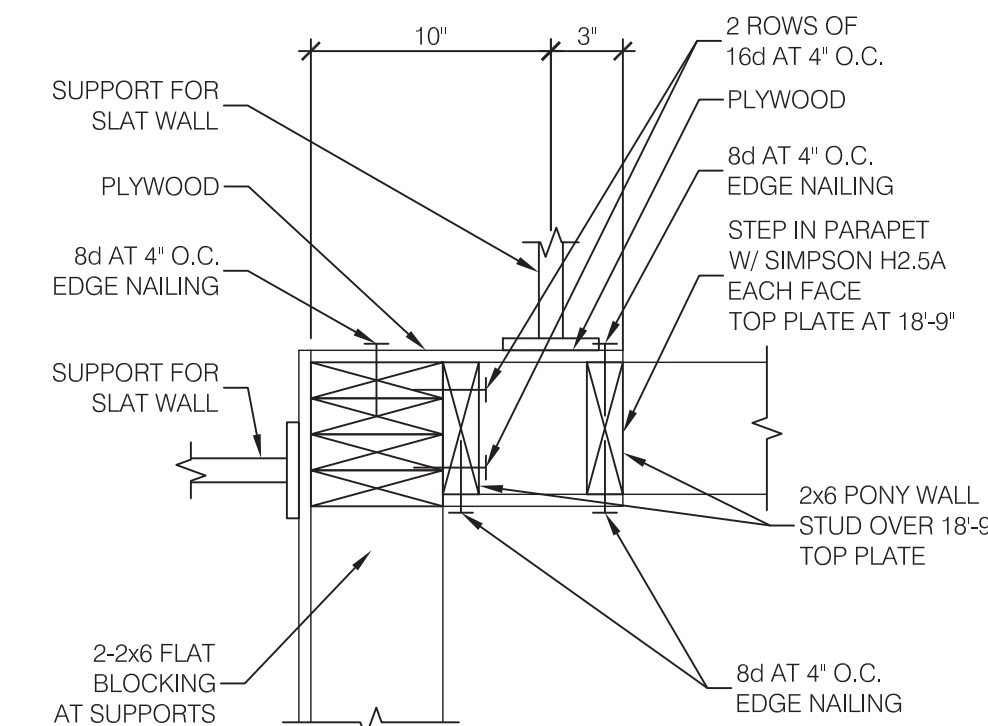
TRUSS DESIGN CRITERIA N.T.S. **18**

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**



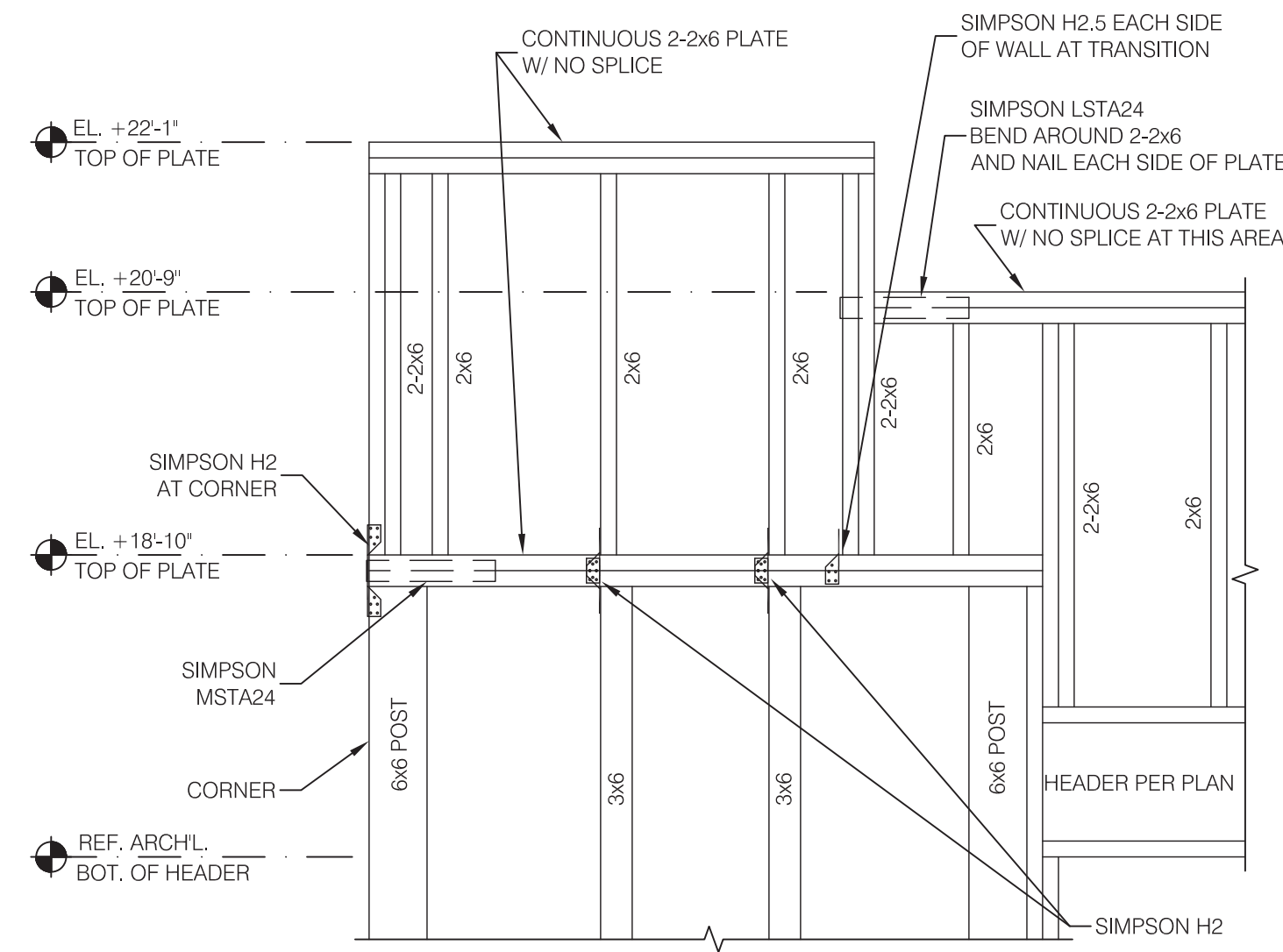
CORNER PARAPET PONY WALL 1 1/2' = 1'-0" **6**

TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T28	X	XX		SEE NOTE 1.

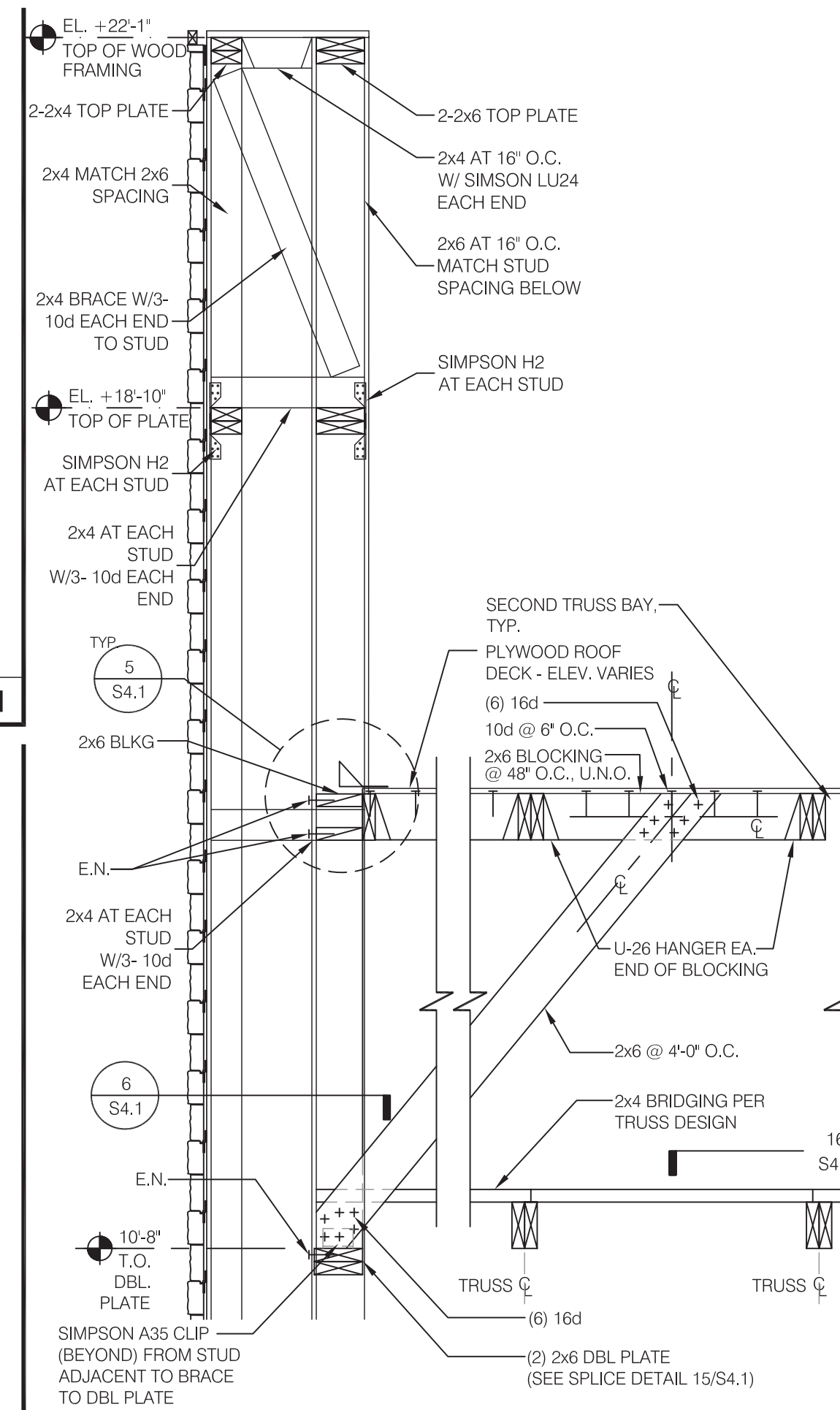
NOTES:

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

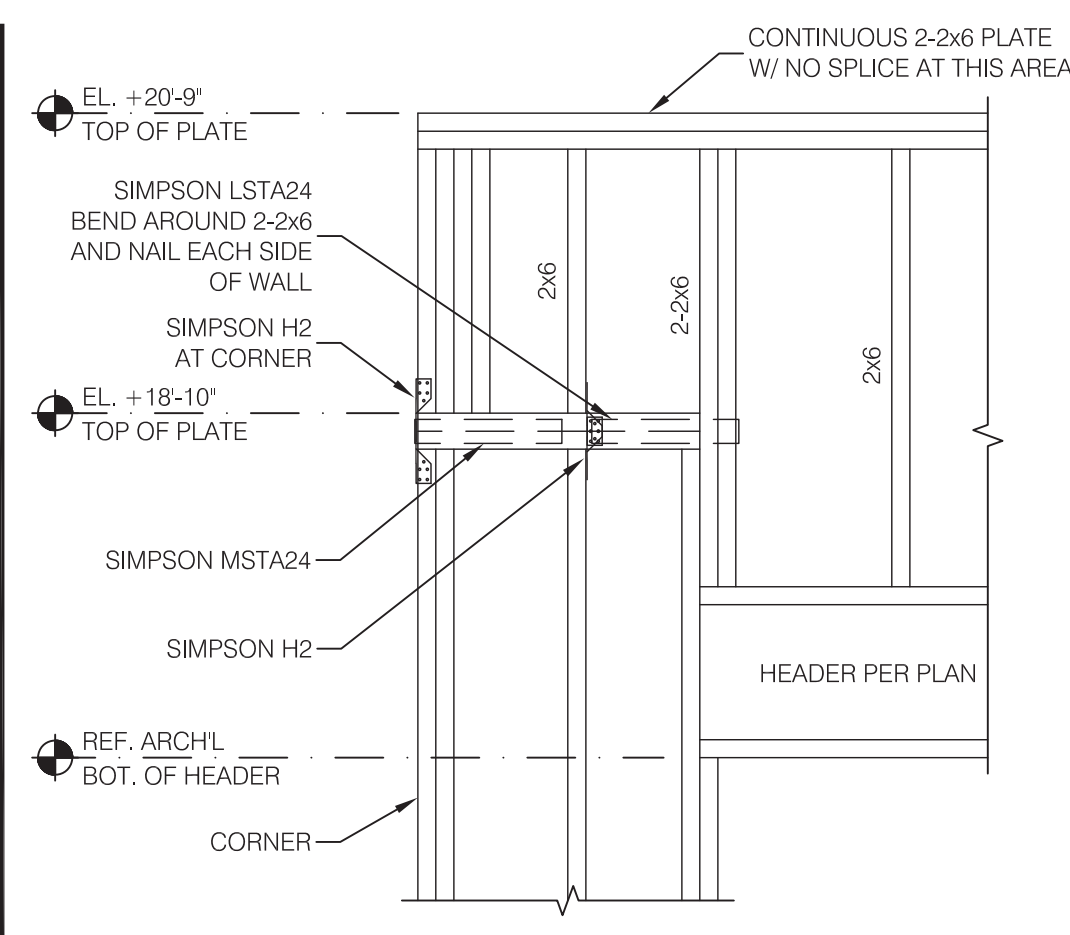
TRUSS SCHEDULE N.T.S. **19**



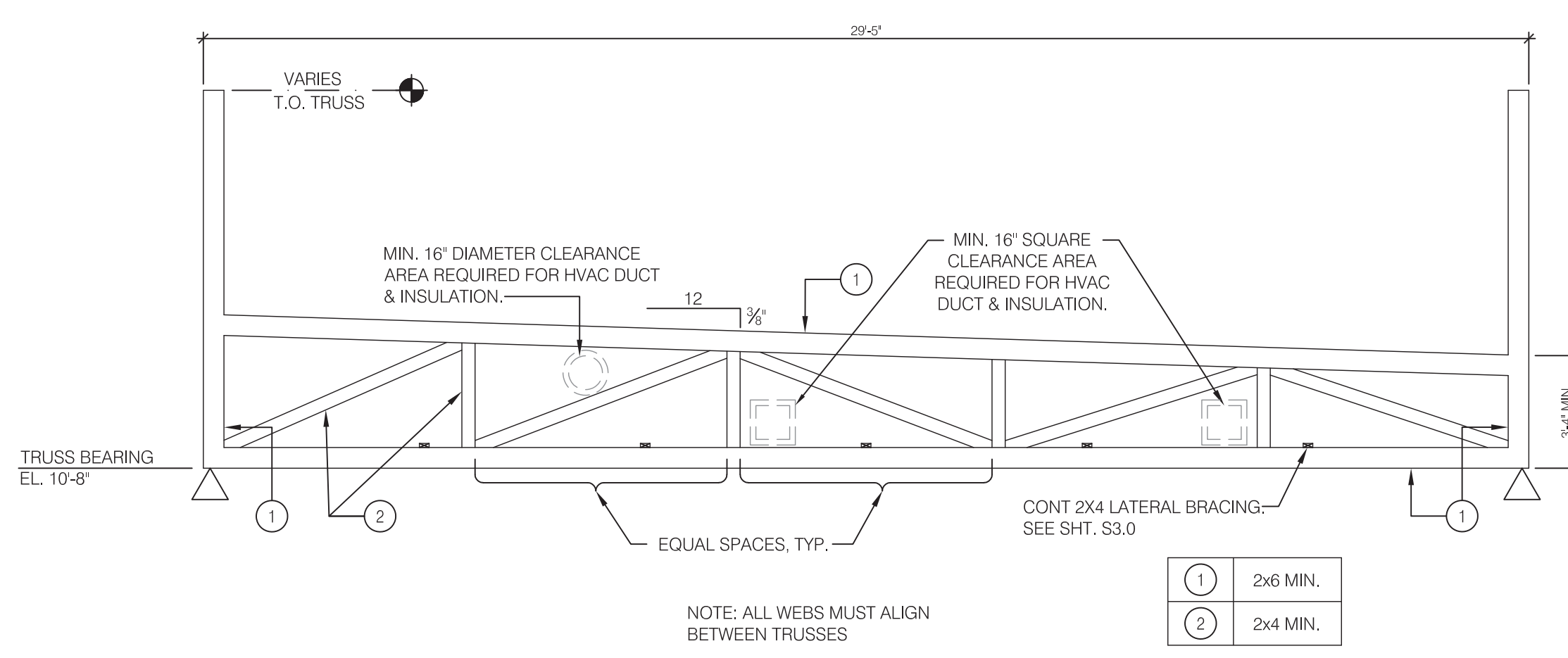
FRONT WALL AT TOWER 3/4" = 1'-0" **11**



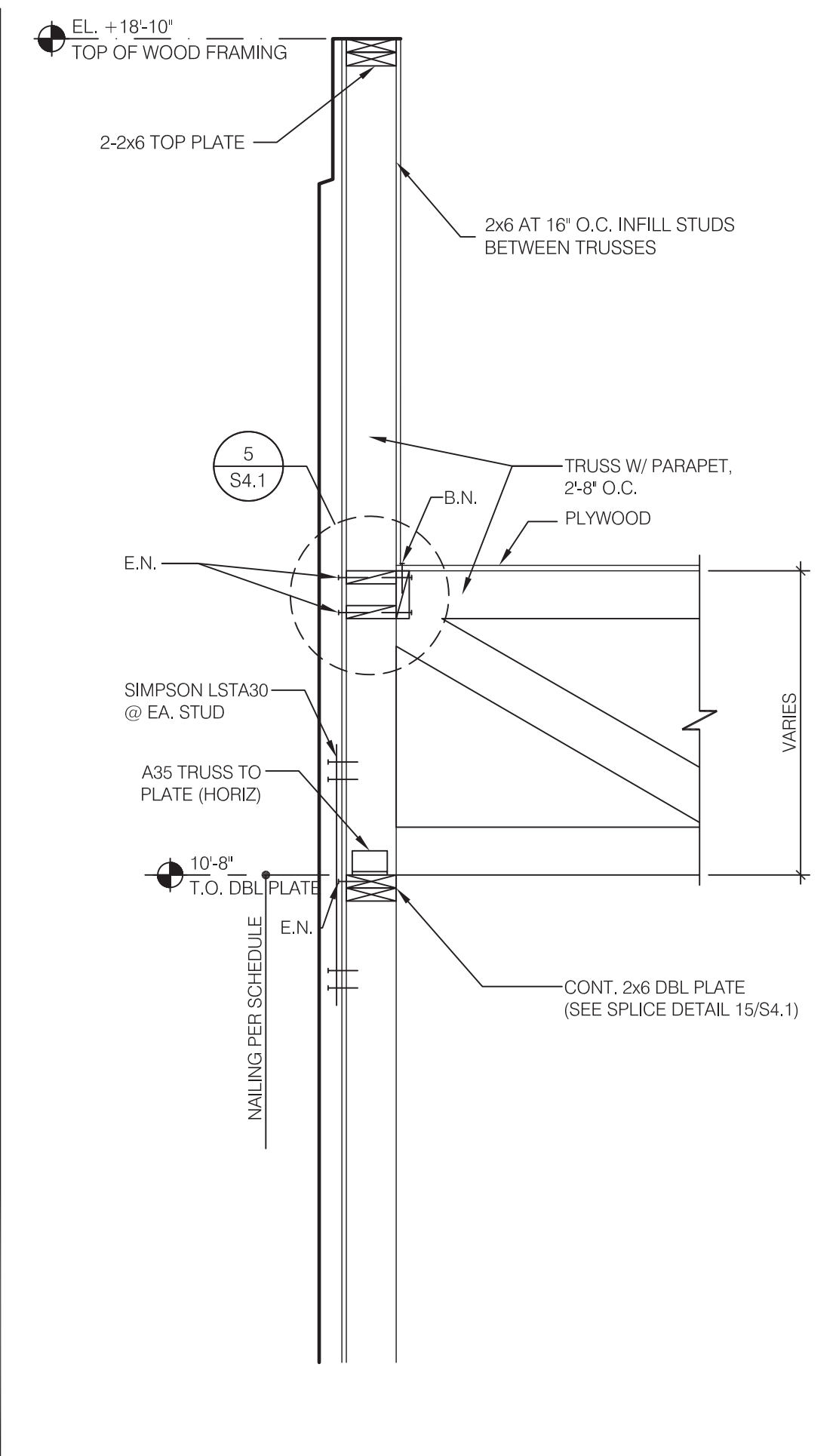
TOWER WALL 3/4" = 1'-0" **8**



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



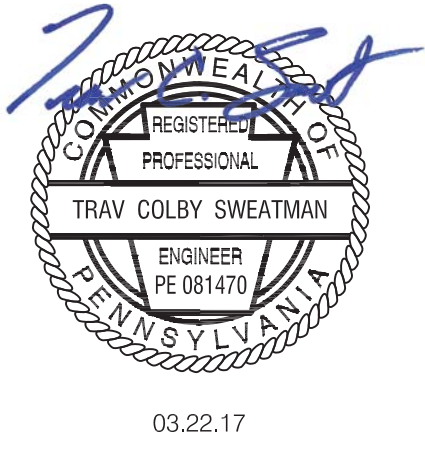
TRUSS ELEVATION 1/4" = 1'-0" **16**



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

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03.22.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE

STRUCTURAL DETAILS

S4.3

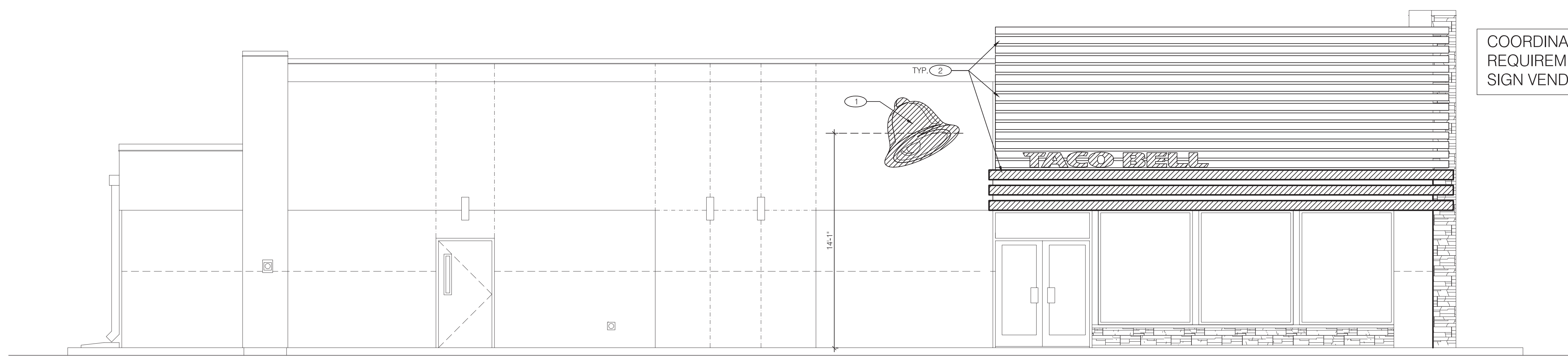
PERMIT PLOT DATE: 03.22.17

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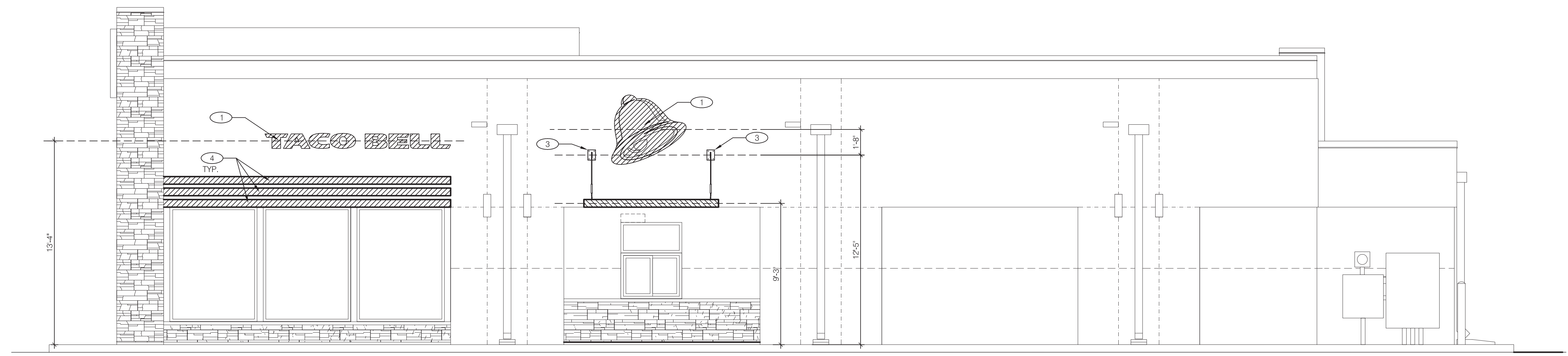
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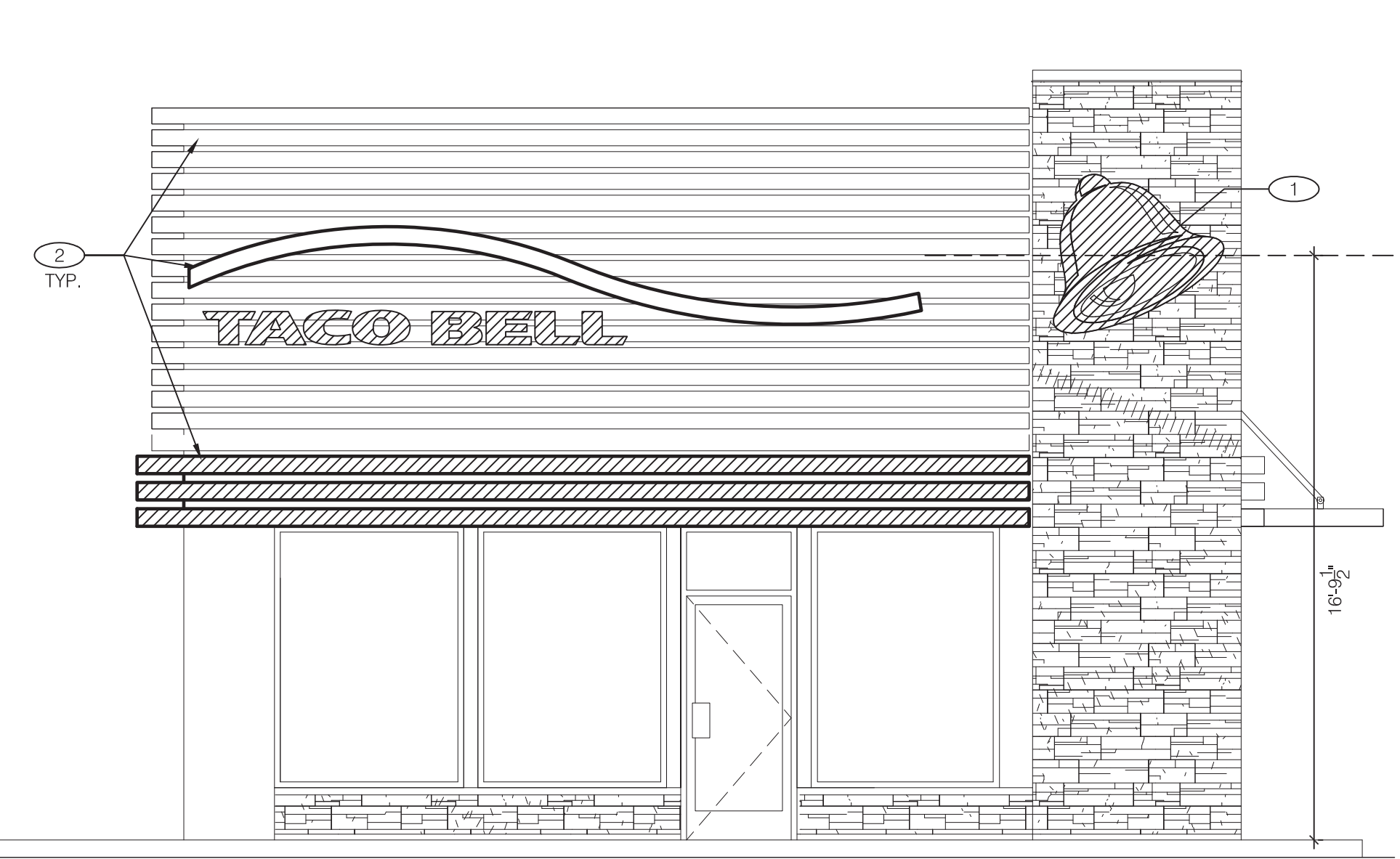
COORDINATE BLOCKING
 REQUIREMENTS WITH
 SIGN VENDOR



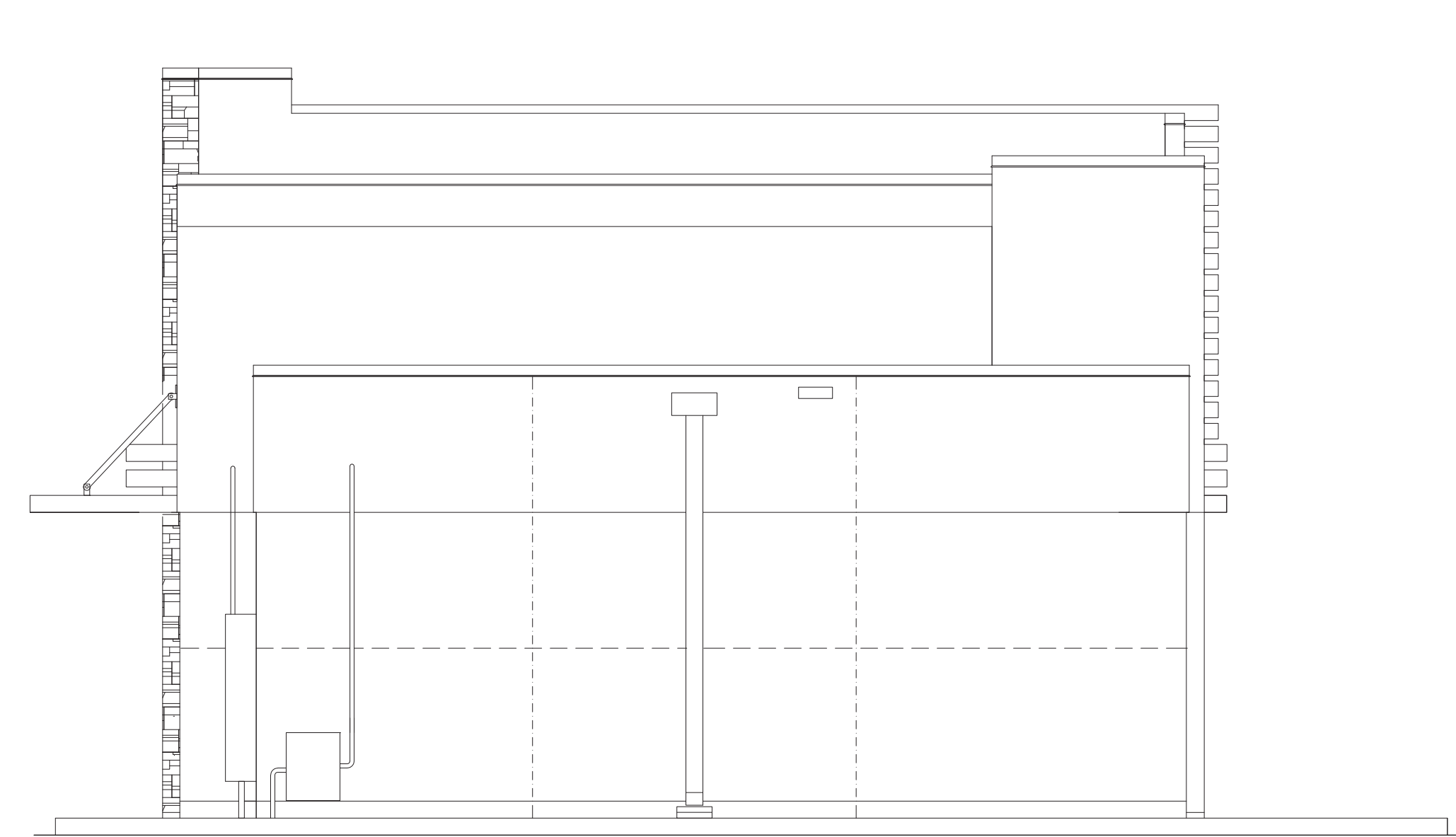
RIGHT SIDE ELEVATION 1/4" = 1'-0" **A**



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



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



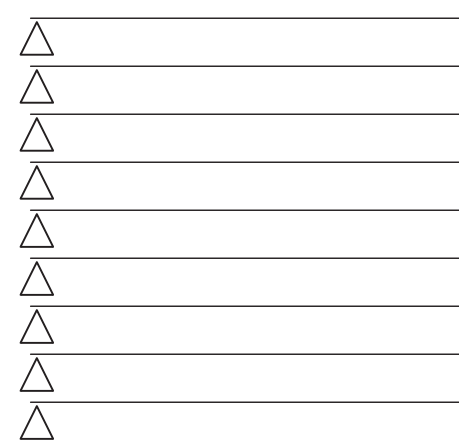
REAR ELEVATION 1/4" = 1'-0" **E**

- 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**

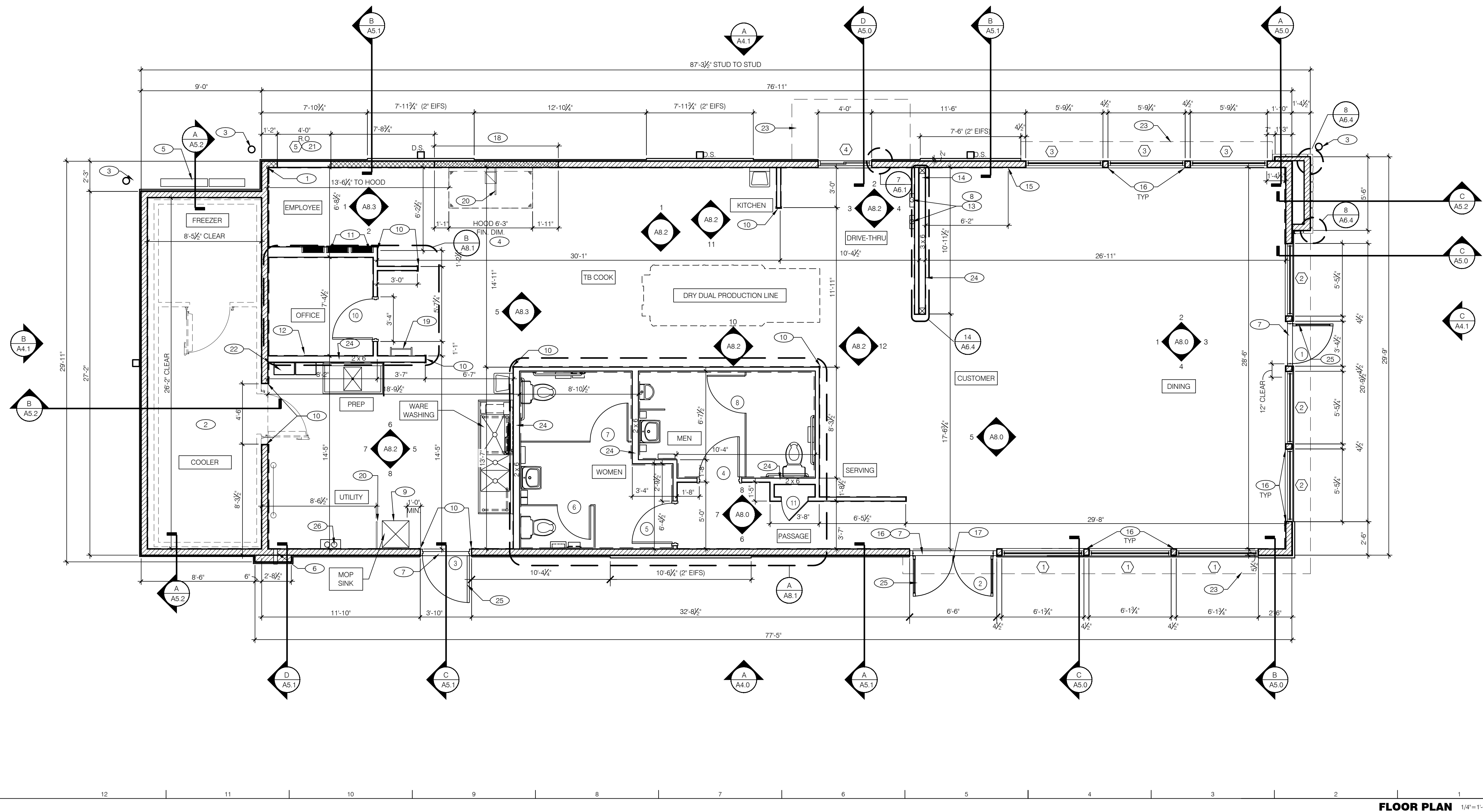


CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE
**CANOPY/
 AWNING
 BLOCKING
 ELEVATIONS**
S5.0

PERMIT PLOT DATE: 03.22.17



CONTRACT DATE:
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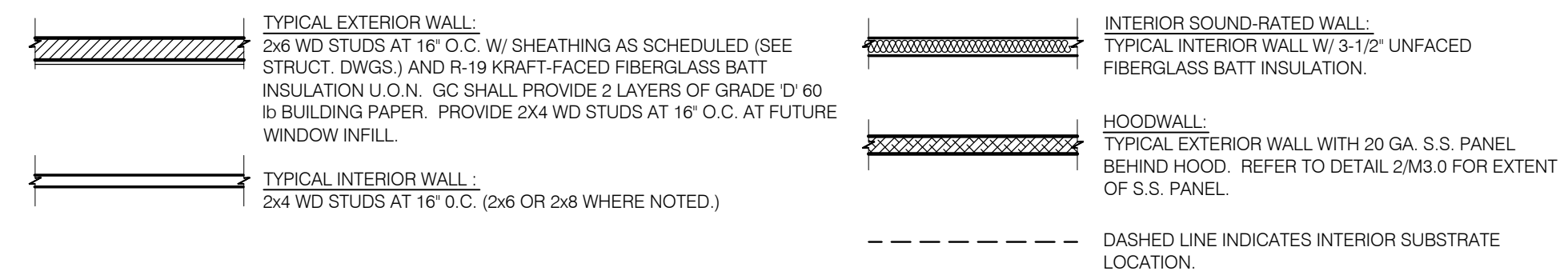


FLOOR PLAN

A1.0

PERMIT PLOT DATE:

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



WALL SUBSTRATES:
 - DINING ROOM:
 1/2" GYPSUM WALLBOARD FROM T.O. CURB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6, 8 & 16 / A6.3. (NOTE: THE CEMENT BOARD SPECIFICATION IS DESIGNED TO ALLOW THE G.C. FLEXIBILITY.)
 - KITCHEN WALLS AND DINING ROOM CLOSET:
 1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 12" A.F.F.
 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N.
 IF DOUBLE SIDED SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4, 11 & 20 / A6.3.
 - RESTROOM WALLS:
 5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F. WITH 5/8" HI-IMPACT BRAND XP WALLBOARD TYPE X CORE FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N.. NO SUBSTITUTIONS ALLOWED. SEE 11 (SIM), 12 / A6.3.
 - ALL OTHER FRAME WALL CONDITIONS:
 1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULED.

WALL LEGEND **E**

FLOOR PLAN NOTES **D**

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

WINDOWS / DOORS:
 A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
 B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

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

DECOR:
 A. SEE A2.0 FOR SEATING PLAN AND DETAILS.
 B. SEE A7.0 FOR FLOOR FINISHES.
 C. SEE A8.0 - A8.3 FOR WALL FINISHES.
 D. SEE A7.1 FOR CEILING FINISHES.

GENERAL:
 A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC and (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT
 B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.
 C. ALL ATTACHMENTS MADE THROUGH E.I.F.S. SHALL BE BUSHED TO PREVENT DAMAGE TO THE FINISH. PER 9/A6.2.
 D. ALL PENETRATIONS THROUGH E.I.F.S. SHALL BE SEALED USING MFRS. APPROVED METHOD.

- KEY NOTES** **B**
- STARTING POINT. ALL SUB-TRADES SHALL USE THIS POINT AS A BEGINNING LAY-OUT (INSIDE FACE OF EXT. WALL STUDS).
 - NO FRP BEHIND (W-083) WALK-IN COOLER/FREEZER.
 - PIPE BOLLARD. SEE DETAIL B/C1.0.
 - HOOD WALL. SEE WALL LEGEND.
 - ELECTRICAL MAIN SWITCH BOARD. REFER TO ELECT. DWGS.
 - CO2 FILL BOX LOCATION. SEE SHEET A4.0 ELEVATION "A".
 - TILE TO CONCRETE METAL THRESHOLD.
 - KEEP CLEAR FOR UTILITIES & SYRUP LINES. SEE DETAIL 14 & 19/A6.4 FOR STUD LAYOUT REQUIREMENTS.
 - MOP SINK. REFER TO SHEET A2.0 & A2.1.
 - SEE A2.0 FOR SEATING PLAN AND DETAILS.
 - SEE A7.0 FOR FLOOR FINISHES.
 - SEE A8.0 - A8.3 FOR WALL FINISHES.
 - SEE A7.1 FOR CEILING FINISHES.
 - ELECT. PANELS RECESSED IN 2x6 WALL.
 - LIGHTING CONTROL PANEL SURFACE MOUNTED. REFER TO ELECT. DWGS.
 - SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4.
 - HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER. SEE 15/A6.4.
 - START OF CHAIR RAIL.
 - CONTINUE CHAIR RAIL AROUND CORNER TO WINDOW JAMB.
 - FULL LENGTH ASTRAGAL WEATHER STRIPPING BETWEEN DOORS.
 - METAL STUDS REQUIRED.
 - ROOF LADDER. SEE DETAIL D/A8.3.
 - SPLASHGUARD. SEE DETAIL 9/A6.3. INSTALLATION SHALL BE COORDINATED WITH INSTALLATION OF MOP SINK.
 - ROUGH-IN FRAMING FOR FUTURE WINDOW. SEE (5) ON A1.1.
 - WALL MOUNTED TANKLESS WATER HEATER - SEE PLUMBING
 - CANOPY & VALANCE ABOVE.
 - 6" STUD INTERIOR WALL, FINISHED PER WALL LEGEND E / THIS SHEET.
 - PROVIDE HORIZONTAL DOOR SWEEPS AT ALL EXTERIOR DOORS. SEE SHEET A1.1.
 - 8"D x 18"W x 30"H S.S. SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4 - SIM

- DIMENSIONS ON THIS DWG. ARE TO FRAME EDGE. REFER TO SHEETS A1.0 AND A5 SHEETS FOR ROUGH OPENING DIMENSIONS.
- ENTIRE STOREFRONT SYSTEM SHALL BE DARK BRONZE ANODIZED.
- ALL SPANDREL GLASS SHALL BE DARK BRONZE TO MATCH FRAMES.
- SEE SCHEDULE FOR GLASS TYPES.
- REFER TO FLOOR PLAN, ELEVATIONS AND WALL SECTIONS FOR ROUGH OPENING DIMENSIONS.
- ALL STOREFRONT MATERIAL AND GLAZING SHALL BE SUPPLIED AND INSTALLED BY G.C. U.O.N.

NATIONAL ACCOUNT SUPPLIER

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

GLASS SCHEDULE

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

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

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



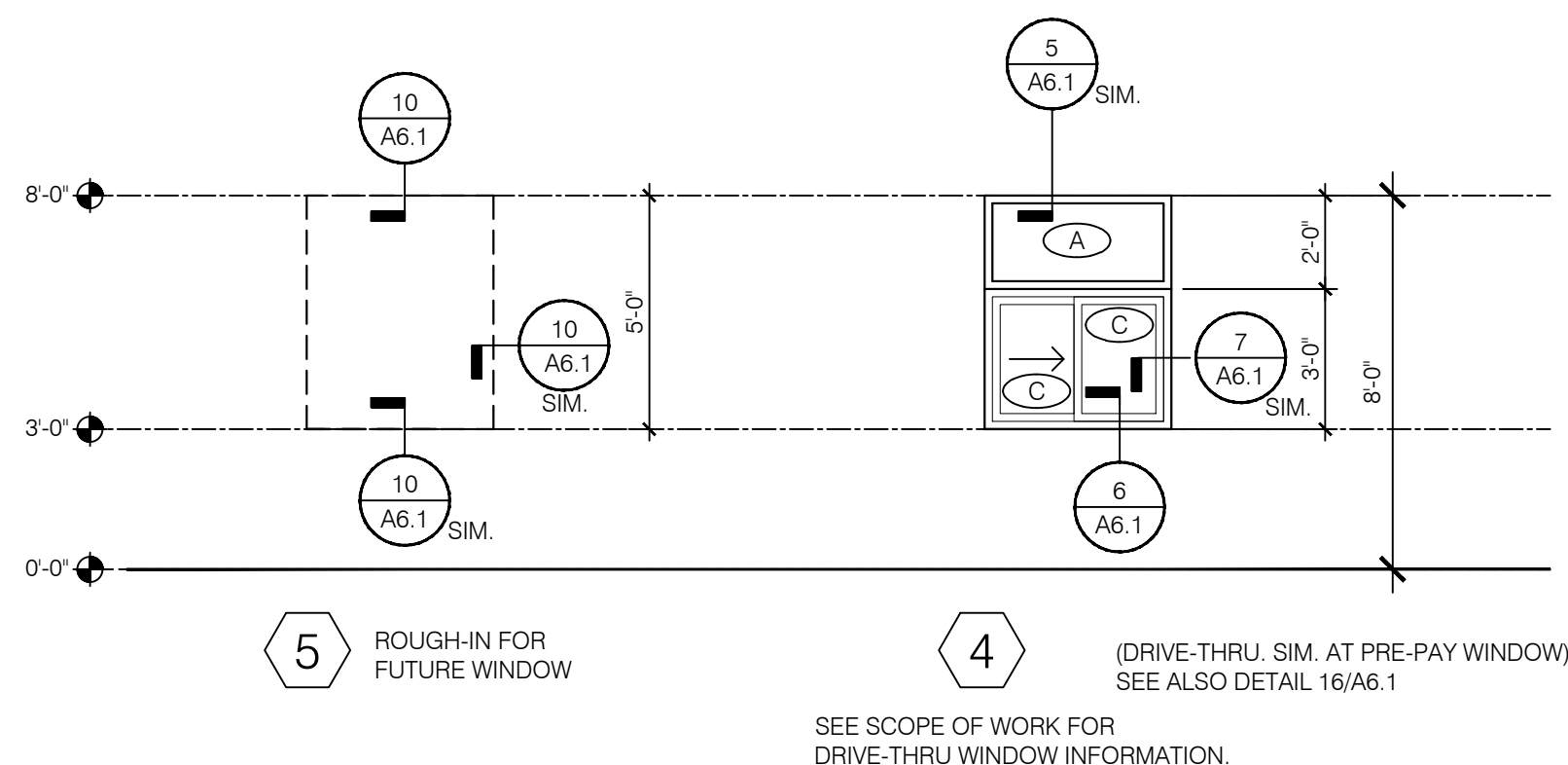
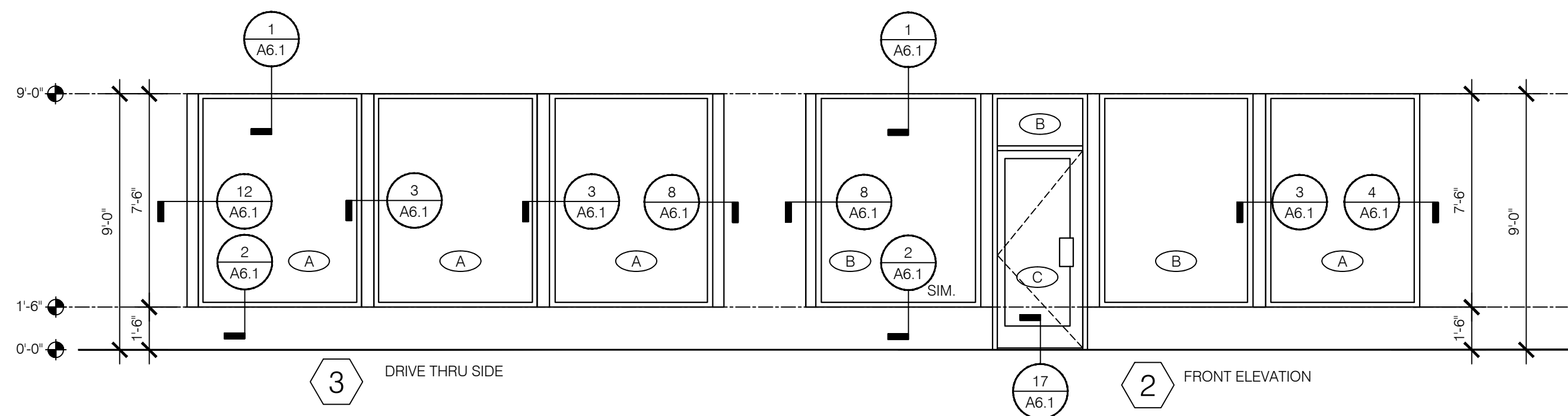
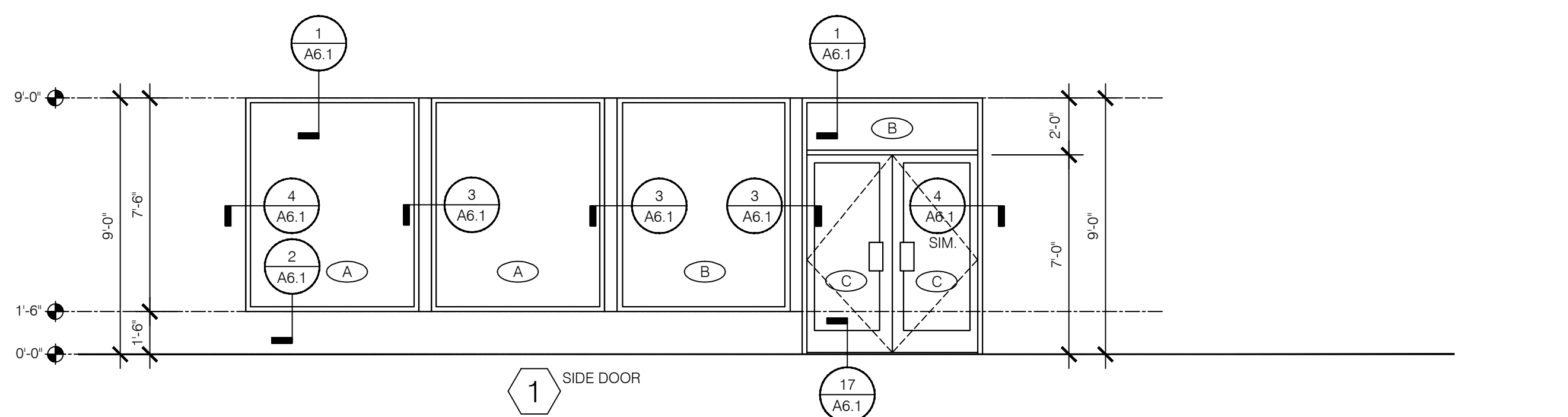
NOTES 4

- LAMINATE DOORS 4, 5, 10 & 11. SEE FINISH SCHEDULE SHEET A7.2.
- ALL HARDWARE SHALL BE US32D U.O.N.
- ALL HM FRAMES SHALL BE 16 GA STEEL U.O.N.
- ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYED ALIKE.
- PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
- MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
- COMPLETE DOOR, FRAME AND HARDWARE PACKAGE INCLUDING: VISION PANEL (WITH 18 GA. HOLLOW METAL FRAME), CONTINUOUS HINGE, HEAVY DUTY CLOSER, RAIN DRIP, DOOR BOTTOM/ SWEEP, WEATHERSTRIP, KICKPLATE AND PANIC HARDWARE, ORDERED THRU LOCKNET SECURITY DOORS, COMPLETE DU FOR CHARTER FOODS ONLY (1-800-887-4307).
- PROVIDE PUSH/ PULL PLATES.
 IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE : DOR-O-MATIC 2092 RIM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL.
- MOUNT KICKPLATE ON PUSH SIDE ONLY.
- MAXIMUM DOOR OPERATING PRESSURE : 5 LBS INTERIOR ; 8 LBS EXTERIOR MEASURED AT 90 DEGREES TO THE DOOR AT THE STRIKE SIDE EDGE.
- IBC 2012 AND ANSI 2009 COMPLIANT ACCESSIBILITY SIGNAGE WITH RAISED CHARACTERS DUPLICATED IN BRAILLE AT ALL EXIT DOORS AND RESTROOMS (1) MEN; (1) WOMEN
- RESTROOM SIGN IF REQUIRED. VERIFY LOCAL REQUIREMENTS.
- FRAMES SHALL BE PAINTED.
- BOBRICK 1090 SERIES, WITH STAINLESS STL. 1 1/2" WALL POST, LATCH, KEEPER, COAT HOOK (DTL 20/ADA1.0) & MOUNTING BRACKETS. INSTALL PER MANUFACTURER'S SPECIFICATIONS & DETAILS. DOOR HANDLE AND LATCH SHALL BE MOUNTED AT 36" A.F.F. HINGES SHALL BE SELF-CLOSING. SEE NOTE 16.
- DOOR FRAME SHALL HAVE REMOVABLE DOOR STOPS.
- PROVIDE SELF CLOSING HINGES AT THE ADA STALL DOORS ONLY.
- PROVIDE BRUSH TYPE DOOR SWEEP AT ALL EXTERIOR DOOR LOCATIONS. DOOR SWEEP FINISH TO MATCH DOOR FINISH. SWEEPS SHALL BE PROVIDED BY SEALEZE. PART #D480CLA09BL. 1-800-SEALEZE
- PROVIDE LATCH AND STRIKE PLATE HARDWARE BY DOOR MFR. TO BE COMPATIBLE WITH LOCKS
- PROVIDE PULL HANDLE ON BOTH SIDES EVEN HEIGHT WITH DOOR LATCH. SEE DETAIL 16/ADA1.0.
- 3'-0" x 7'-0" H.M. DOOR WITH 2" H.M. FRAME MAY BE USED

DOOR SCHEDULE NOTES 1

NOT USED 10

NOT USED 7

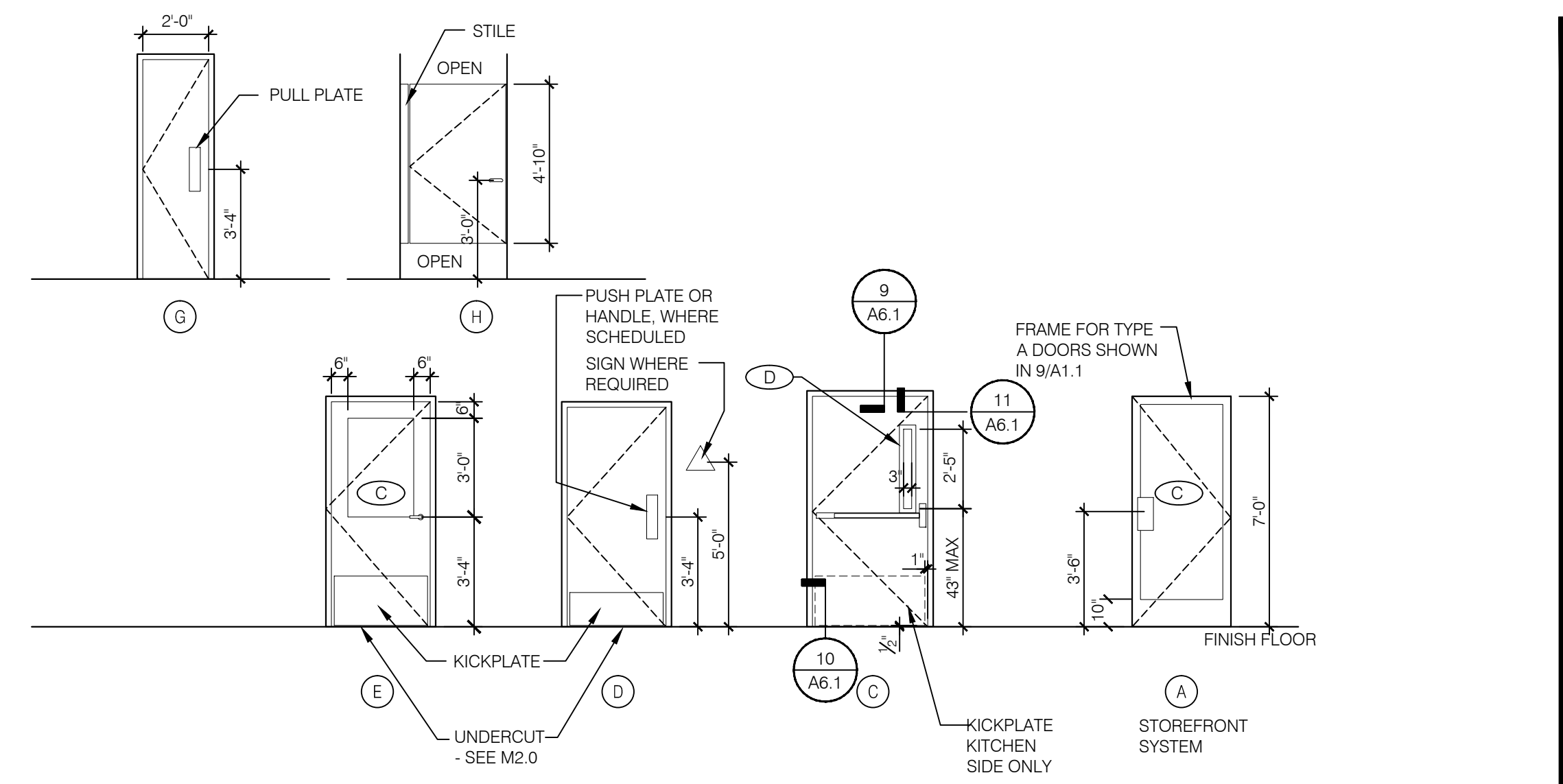


NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

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

DOOR NO.	DOOR SIZE	DOOR TYPE			THRESHOLD	DOOR STOP	PUSH	PULL	MISCELLANEOUS						DETAIL LOCATIONS	DOOR NOTES
		TYPE	DOOR	FRAME					1	2	3	4	1	2		
1	3'-0" x 7'-0" x 1-3/4"	A	AL	AL	X					X	X	X	X	X	1/A6.1 4/A6.1 17/A6.1	8, 10, 17, 18
2	3'-0" x 7'-0" x 1-3/4"	A	AL	AL	X					X	X	X	X	X	1/A6.1 4/A6.1 17/A6.1	8, 10, 15, 17, 18
3	3'-6" x 7'-0" x 1-3/4"	C	HM	HM		X			X						9/A6.1 11/A6.1 10/A6.1	6, 7, 9, 10, 13, 17
4	3'-0" x 6'-8" x 1-3/4"	D	WD	HM	X					X	X		X	X	10/A6.4 10/A6.4	1, 6, 9, 10, 11, 12, 13
5	3'-0" x 6'-8" x 1-3/4"	D	WD	HM	X					X	X		X	X	10/A6.4 10/A6.4	1, 6, 9, 10, 11, 12, 13
6	2'-6" x 4'-10" x 1"	H	-	-					X							14
7	2'-10" x 4'-10" x 1"	H	-	-		X				X						14, 16
8	2'-10" x 4'-10" x 1"	H	-	-					X							14, 16, 19
9	3'-0" x 7'-0" x 1-3/4"	A	AL	AL	X					X	X	X	X	X	1/A6.1 4/A6.1 17/A6.1	8, 10, 15, 17, 18
10	3'-0" x 6'-8" x 1-3/4"	E	WD	HM	X				X				X	X	10/A6.4 10/A6.4	1, 9, 13, 19, 20
11	2'-0" x 6'-8" x 1-3/4"	G	WD	HM	X	X							X	X	10/A6.4 10/A6.4	1, 9, 13

DOOR SCHEDULE 2



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

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

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



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE
DOOR & WINDOW ELEVATIONS AND SCHEDULES
A1.1

PERMIT PLOT DATE:



- YUM! COMMENTS - 04.14.17
 CITY COMMENTS - 05.19.17
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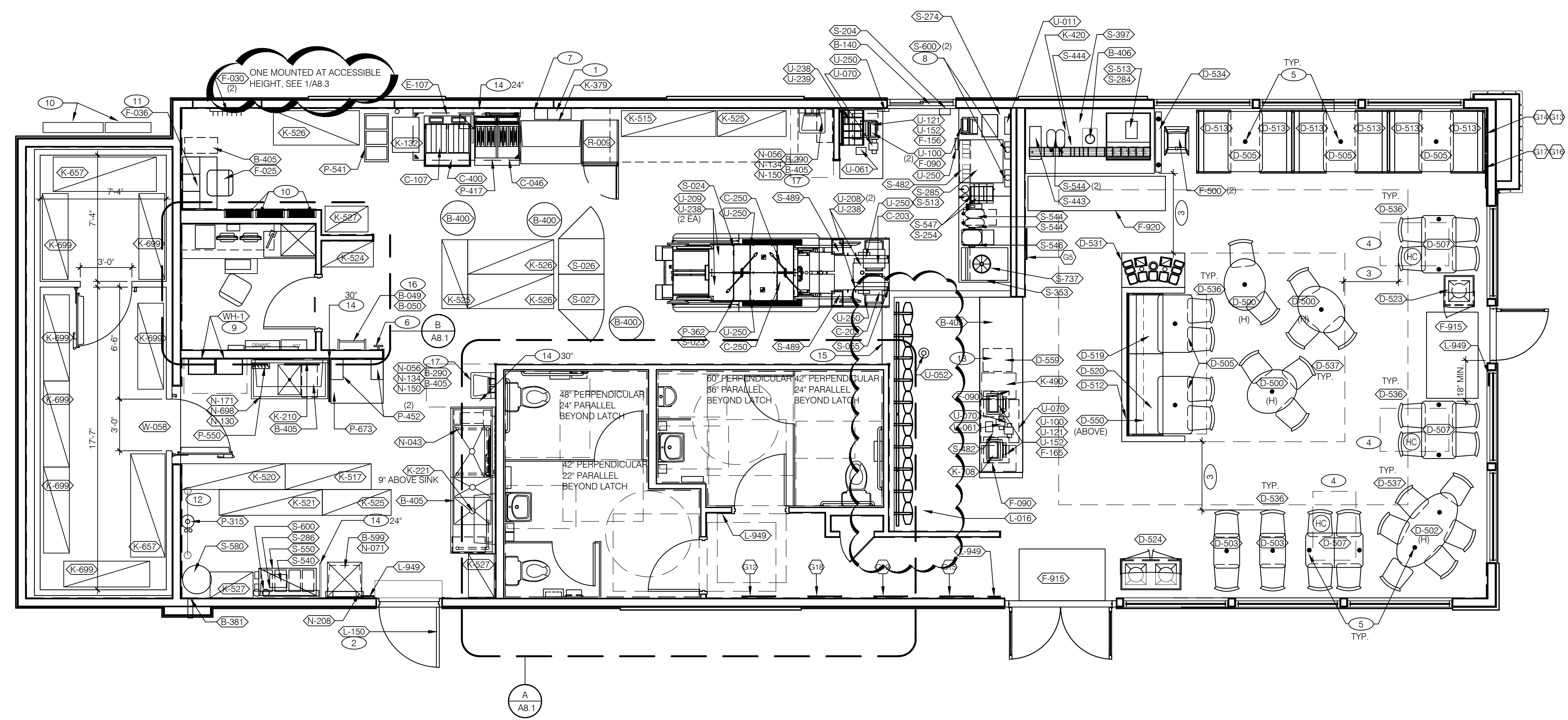
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE
EQUIPMENT AND SEATING PLAN
A2.0

PERMIT PLOT DATE:

SEE SITE PLAN → L-090



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

SYM.	QTY.	ITEM	SYM.	QTY.	ITEM
D-500	3	TABLE - OVAL - BAR HEIGHT - 24" X 30" - CORE DRILL BASE	D-534	1	SCREEN WALL
D-502	1	TABLE - OVAL - BAR HEIGHT - 30" X 60" - CORE DRILL BASE	D-536	20	FORMED WOOD SHELL DINING CHAIR
D-503	2	TABLE - RECTANGLE - STD HEIGHT - 18" X 24" - CORE DRILL BASE	D-537	14	FORMED WOOD SEAT STOOL
D-505	5	TABLE - RECTANGLE - STD HEIGHT - 24" X 40" - CORE DRILL BASE	D-550	1	8'-1" x 3'-7" SOFFIT BY DISTRIBUTOR.
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-529	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	REMARKS
E11	1	TASTE EXPLOSION 1 OF 4	SEE A8.0 FOR LOCATION
E12	1	TASTE EXPLOSION 2 OF 4	SEE A8.0 FOR LOCATION
E13	1	TASTE EXPLOSION 3 OF 4	SEE A8.0 FOR LOCATION
E14	1	TASTE EXPLOSION 4 OF 4	SEE A8.0 FOR LOCATION
E15	1	VOLCANO TARGET	SEE A8.0 FOR LOCATION
E16	1	NYC TACO TAXI	SEE A8.0 FOR LOCATION
E17	1	TACO NIGHT TIME	SEE A8.0 FOR LOCATION
E18	1	TACO BEACH BELL	SEE A8.0 FOR LOCATION
G5	1	NUTRITION BOARD	SEE A8.0 FOR LOCATION

ARTWORK SCHEDULE **D**

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

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

SHELVING QUANTITIES REQUIRED **C2**

GENERAL NOTES **C1**

- HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
- SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
- MAINTAIN 42" 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/A6.3 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. SEE DETAIL 9/A6.3.
- ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- ROOF LADDER. SEE ELEVATION 5/A8.3.
- SOAP / HAND SANITIZER DISPENSERS - BY ECOLAB.

KEYNOTES **B**



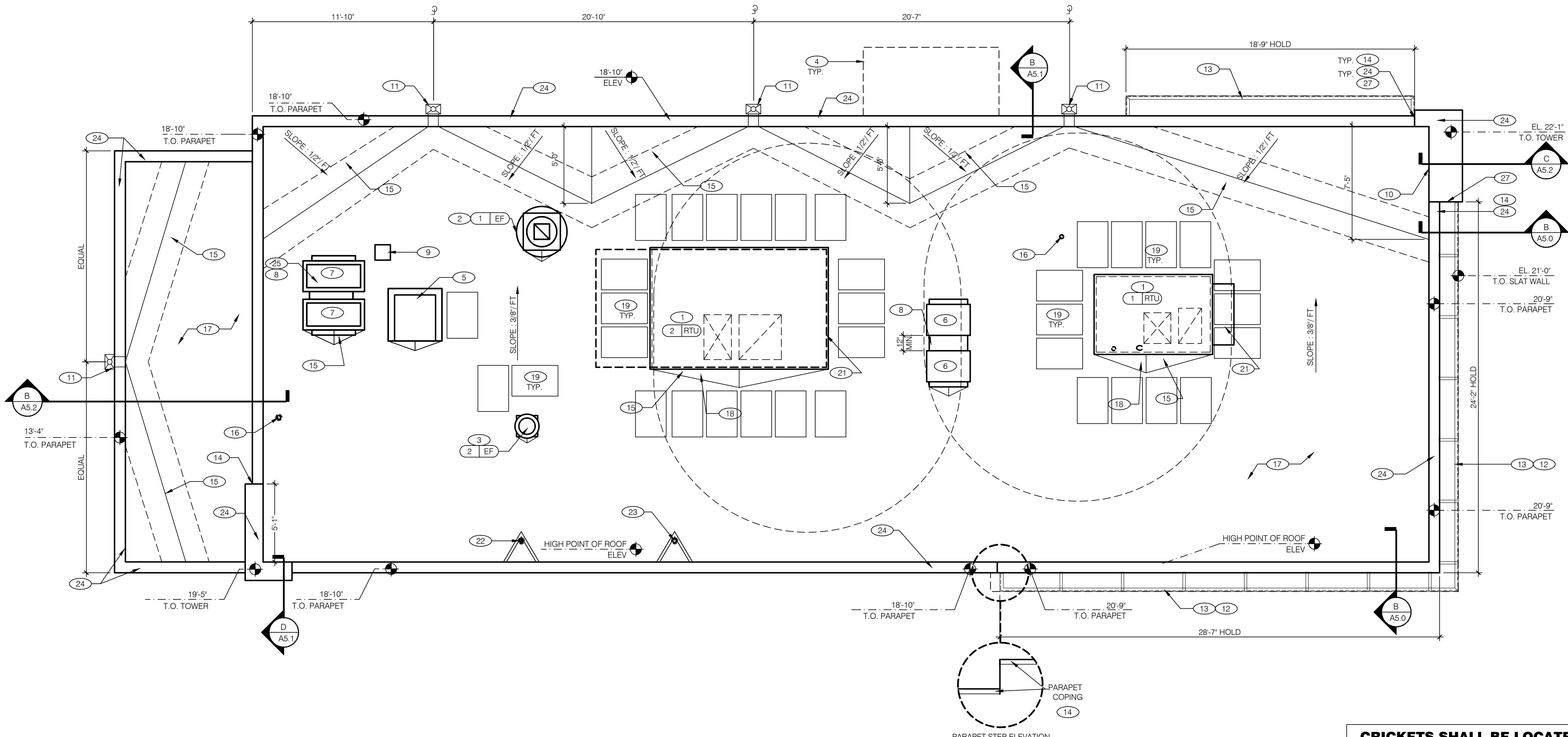
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



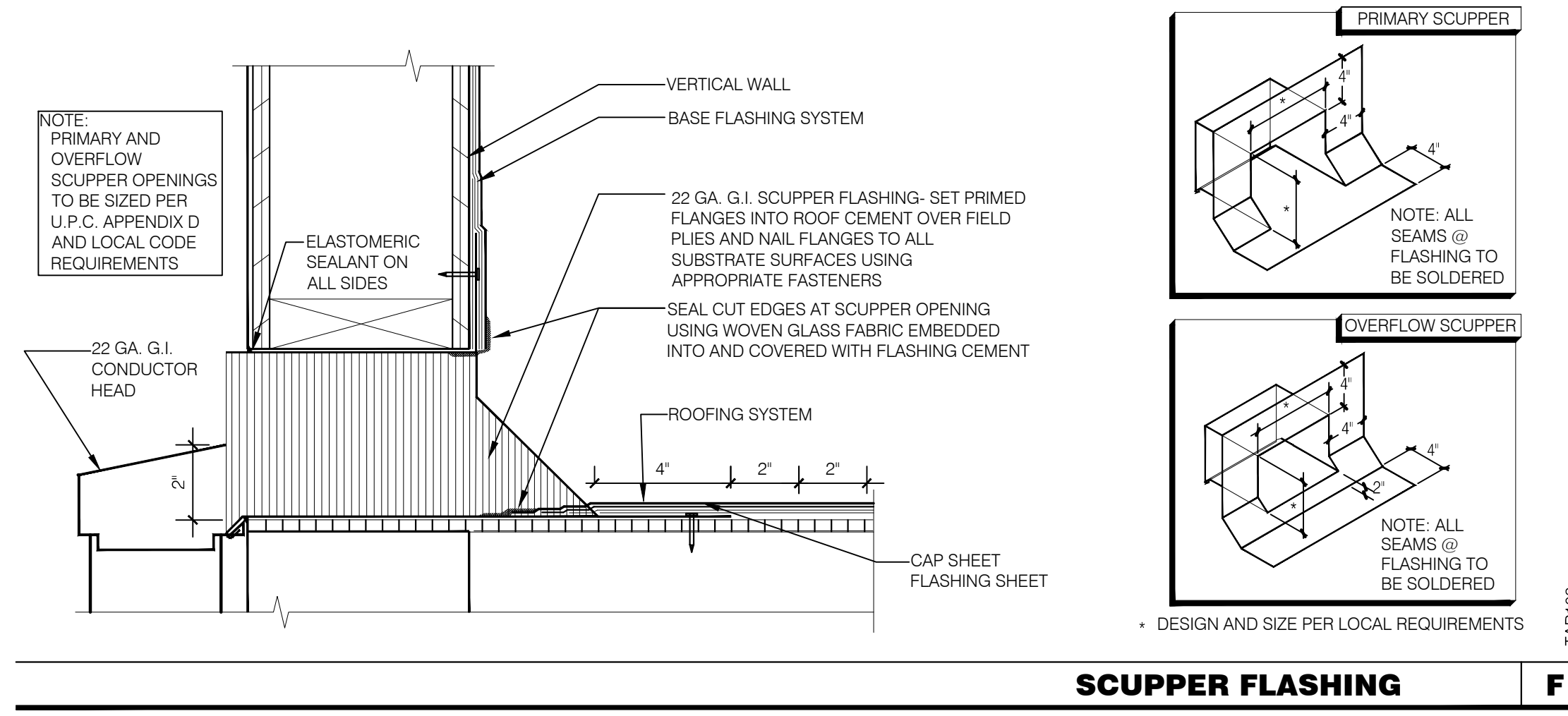
ROOF PLAN
A3.0

PERMIT PLOT DATE:



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

12 11 10 9 8 7 6 5 4 3 2 1 **ROOF PLAN** 1/4"=1'-0" **A**

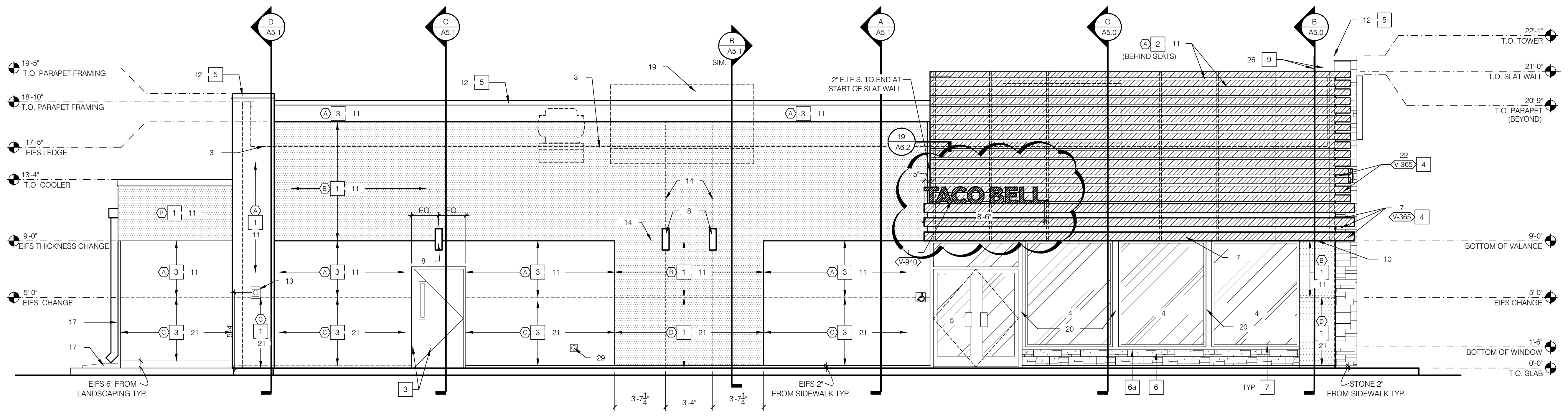


ROOF PLAN NOTES **E**

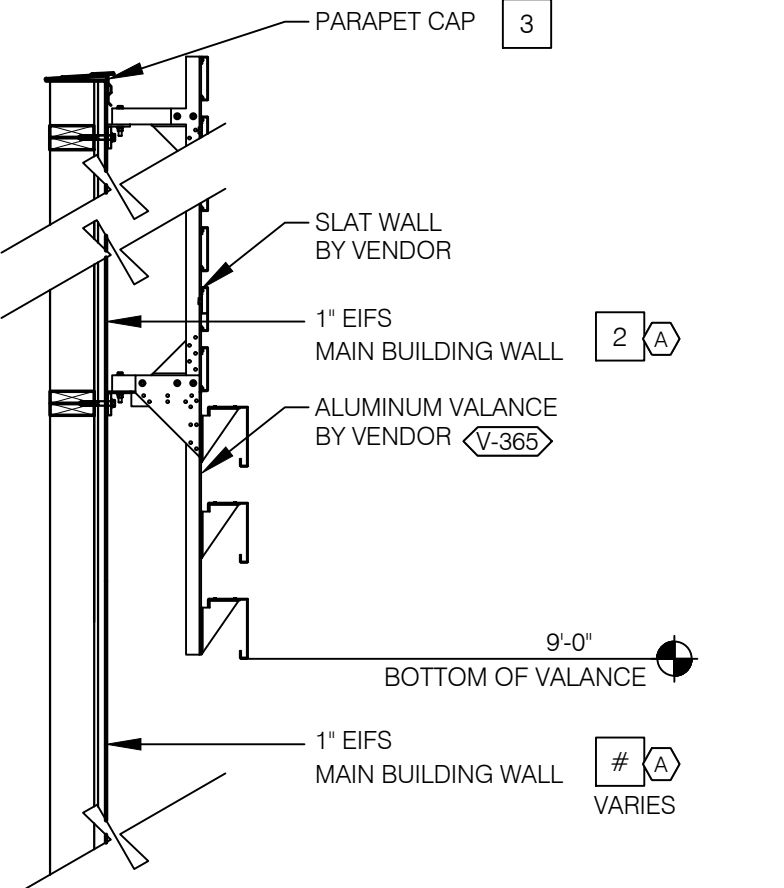
WATERPROOFING:
 A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
 B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
 C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
 D. SEE SPECIFICATIONS FOR SEALANT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

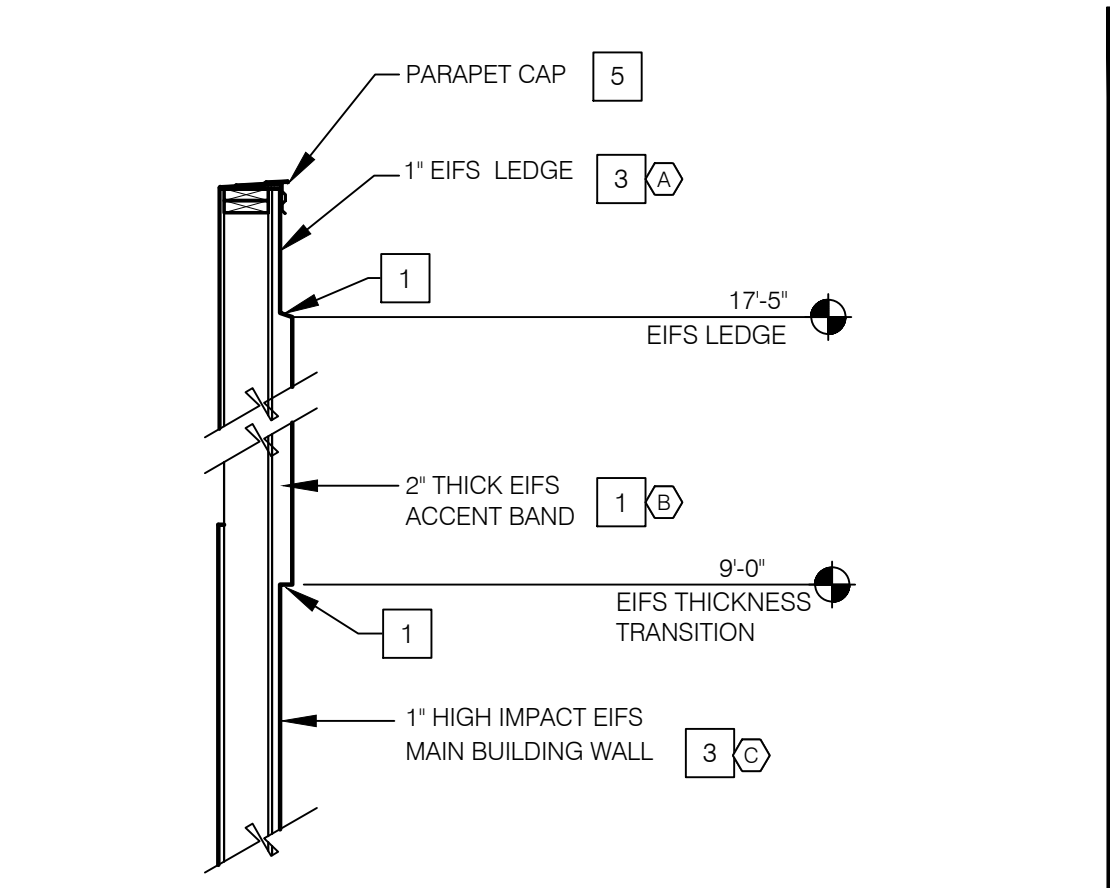
- KEY NOTES** **B**
- 1 ROOFTOP UNIT. INSTALL PLUMB AND LEVEL.
 - 2 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 19/A6.0.
 - 3 RESTROOM EXHAUST FAN. SEE 18/A6.0.
 - 4 CANOPY. SEE SCOPE OF WORK.
 - 5 ROOF HATCH. SEE 7/A6.0.
 - 6 ICE MACHINE CONDENSERS.
 - 7 WALK-IN COOLER / FREEZER CONDENSERS. SEE 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 MFRS 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 COORDINATE SIZE OF ROOF CURB AND NUMBER OF CONDENSING UNITS WITH WALK-IN COOLER/FREEZER MANUFACTURER
 - 26 NOT USED
 - 27 CARRY TOWER FRAMING UP TO PARAPET. SEE FLOOR PLAN SHEET A1.0.



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	DRIVE-THRU CANOPY - 4'-0"D x 9'-0"W x 6'H	X
V-365	1	SLAT WALL SYSTEM	SHADING & LED LAMPING.

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-930	1	TB 3'-6" x 4'-0" LOGO BELL - FACE LIT	13.53	X
V-940	4	TB 14" CHANNEL LETTER - WHITE	9.92	X
V-934	1	TB 2'-5" x 2'-8" LOGO BELL - FACE LIT	6.45	X
		TOTAL	59.66	

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

****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**

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

CONTACT INFORMATION
 SHERWIN WILLIAMS: BRAD HARRINGTON, 216-341-5558 X115 (PHONE), BRAD.E.HARRINGTON@SHERWIN.COM
 EIFS CONTACT:
 STO CORP.: CHUCK DUFFIN, 940-894-2092 (PHONE), 940-894-2095 (FAX), CDUFFIN@STOCORP.COM
 OWNER REPRESENTATIVE WILL IDENTIFY IF LOTUSAN PAINT WILL BE USED.
 DURO-LAST-CURT JAFFEE, 800-356-6646 (PHONE), CJAFFEE@DURO-LAST.COM
 VERSETTA STONE WALL: ASHLEY JOYCE, 770-645-4531 (PHONE)
 STONE ALTERNATE:
 CORONADO: 1-800-847-8663

EXTERIOR FINISH SCHEDULE **H**

- BUILDING SIGN. COORDINATE JUNCTION BOX INSTALLATION BELOW ROOF LEVEL - SEE SCOPE OF WORK.
- DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.
- ROOF BEYOND.
- STOREFRONT TYPICAL.
- DOUBLE DOOR.
- SWITCH GEAR. PAINT TO MATCH WALL.
- ARCHITECTURAL ALUMINUM VALANCE BY VENDOR.
- LIGHT SOURCE. ALIGN BOTTOM OF FIXTURES MOUNTING BRACKET WITH CHANGE IN EIFS THICKNESS (CENTER OF BRACKET AT 9'-2").
- ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
- 2" EIFS TO TERMINATE AT TOP OF WINDOW HEIGHT. PROVIDE 1" EIFS ABOVE THAT POINT. SLOPE TRANSITION AWAY FROM BUILDING 1:12.
- EIFS (TYP.) SEE 2 & 4/A6.2.
- PARAPET COPING. IF DURO-LAST EDGE TRIM IS USED. USE THE DURO-LAST PRE-FINISHED EDGE TRIM. SEE DETAIL 2/A6.0.
- CO2 FILLER VALVE & COVER. SEE DETAIL 5/A6.2 SIM.
- EIFS REVEAL JOINT. SEE DETAIL 20/A6.2.

- GAS SERVICE - PAINT TO MATCH WALL.
- WALL SHALL BE FINISHED PRIOR TO INSTALLATION OF SWITCHGEAR.
- SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT WALL. PER SMACNA STANDARDS.
- NOT USED.
- RTU BEYOND. PAINT TO MATCH MAIN BUILDING COLOR.
- BREAK METAL COVER OVER WOOD STUDS TO MATCH STOREFRONT. SEE 3, 4 & 7/A6.1
- HIGH IMPACT E.I.F.S. WHERE SHOWN ON ELEVATIONS. TOP EXTENT AT 5'-0". SEE 2/A6.2.
- ALUMINUM SLAT WALL BY VENDOR.
- BOLLARD
- EIFS TRANSITION. SEE DETAIL 7/A6.2 (SIM.)
- EXTEND FRAMING FOR BUMP-OUT DOWN TO ROOF. USE DETAIL 7/A6.2 FOR EIFS TRANSITION.
- DUROLAST SINGLE MEMBRANE ROOFING OR EQUAL.
- IF THE DURO LAST PARAPET CAP TRIM IS USED IT SHALL NOT BE PAINTED.
- OVERFLOW DRAIN.
- HOSE BIBB. SEE DETAIL 8/A6.2.
- RETURN ALUMINUM LOUVERS BACK TO FACE OF BUILDING.

KEY NOTES **D**



△ SIGN CHANGE ~ 05.09.17
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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

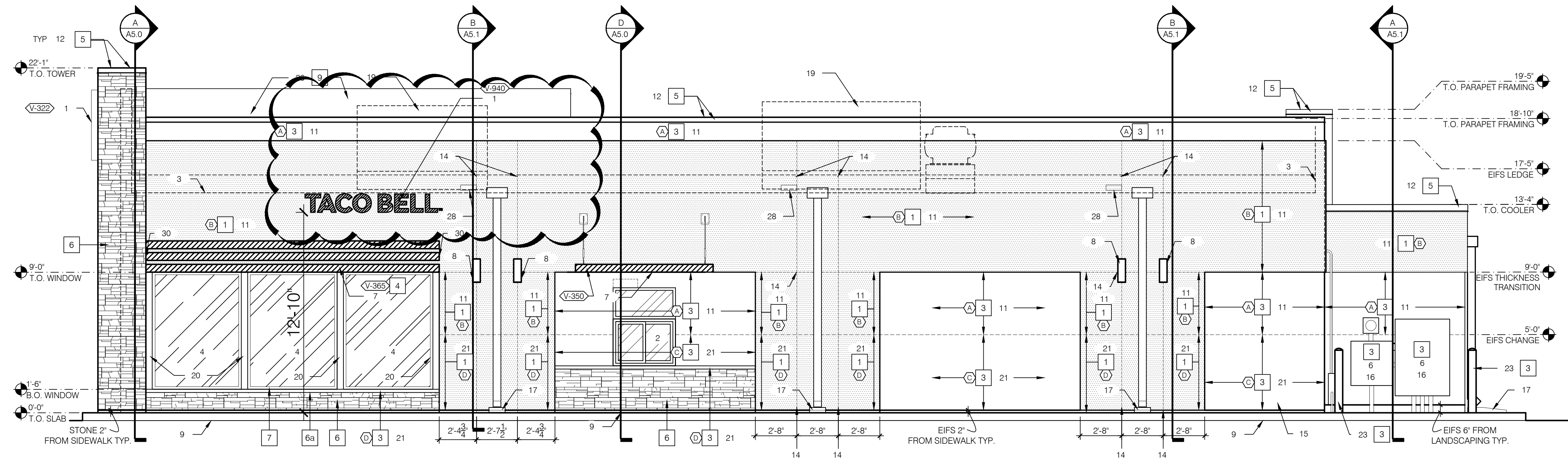
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



LARGE50 - REVERSE
EXTERIOR ELEVATIONS

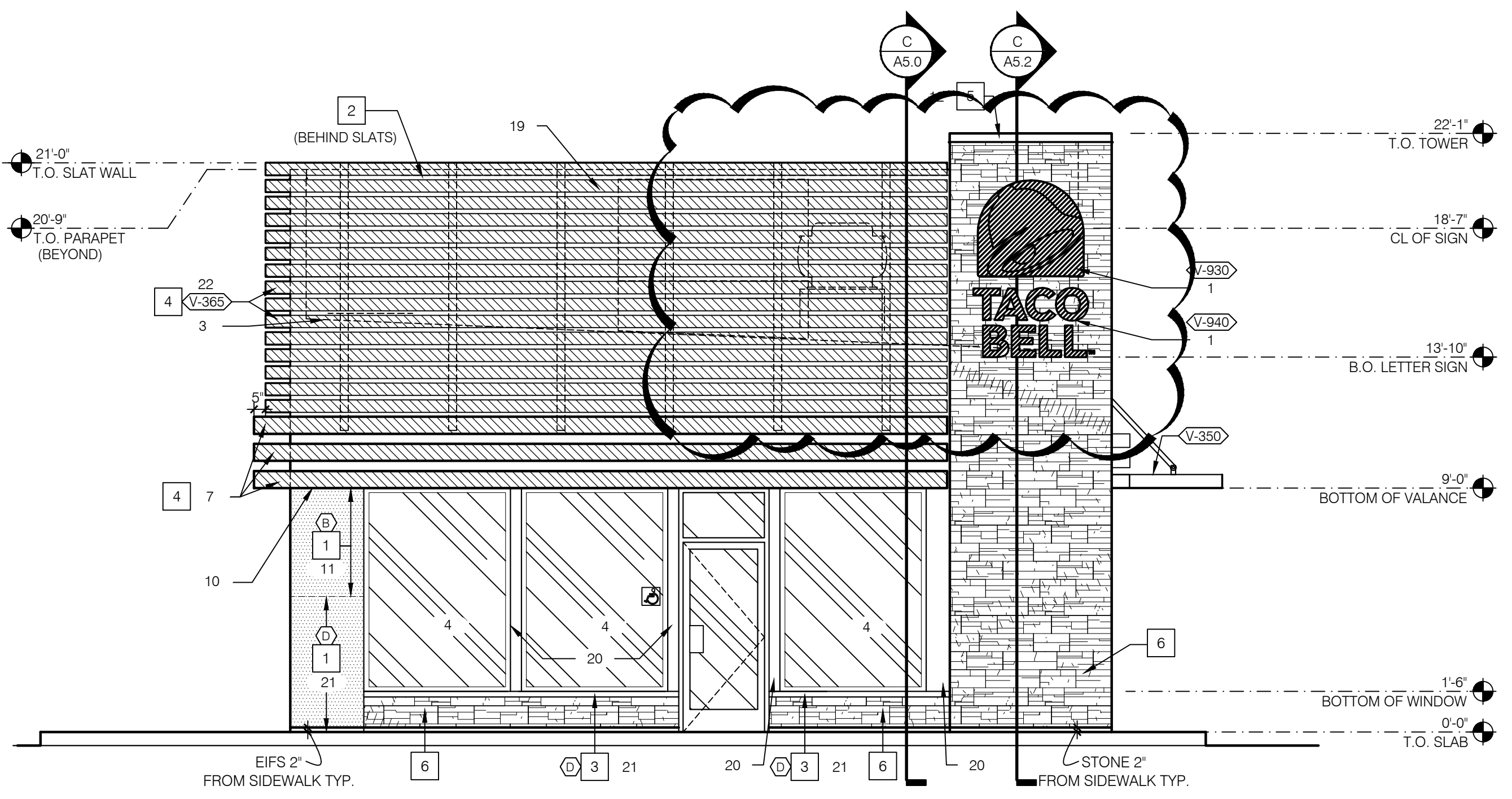
A4.0

PERMIT PLOT DATE:

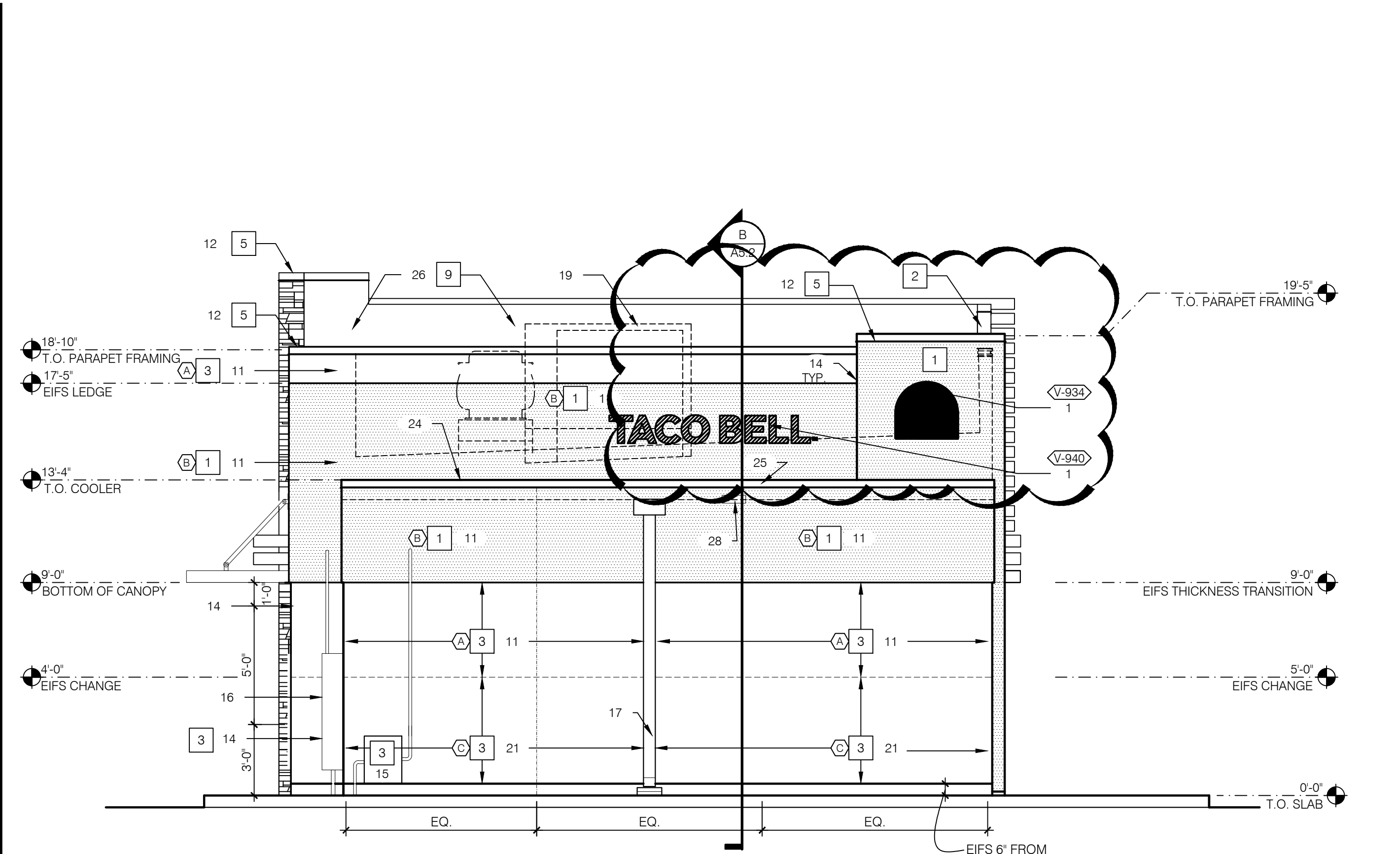


SEE SHEET A4.0 FOR KEYNOTES.

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



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



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

△	SIGN CHANGE ~ 05.09.17
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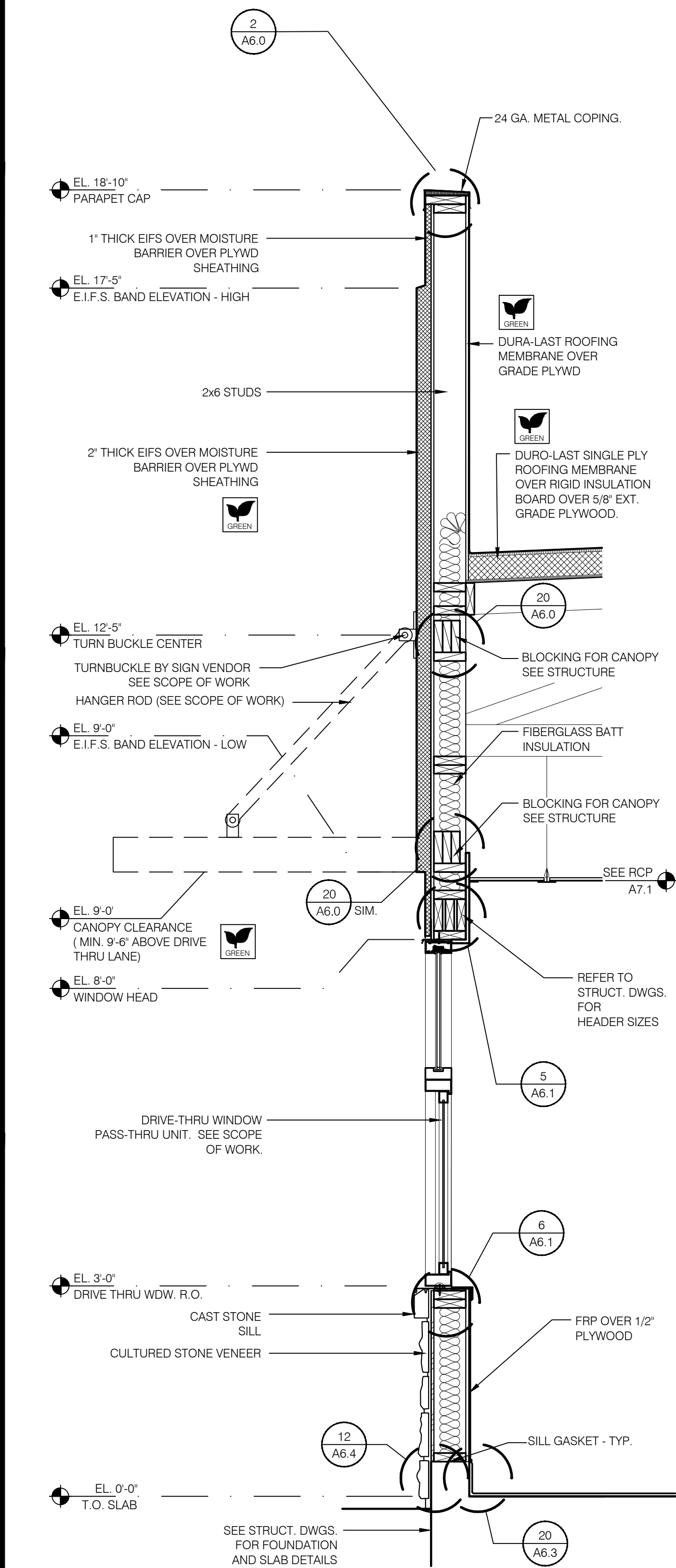
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
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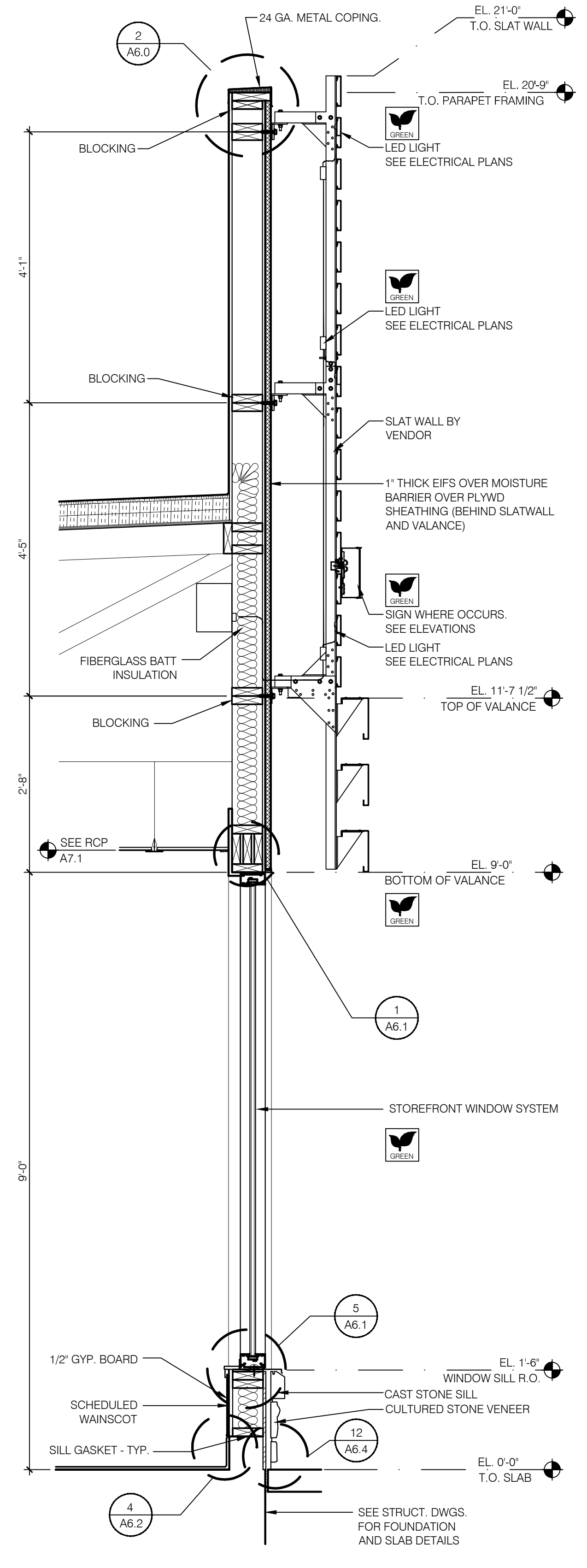


A4.1

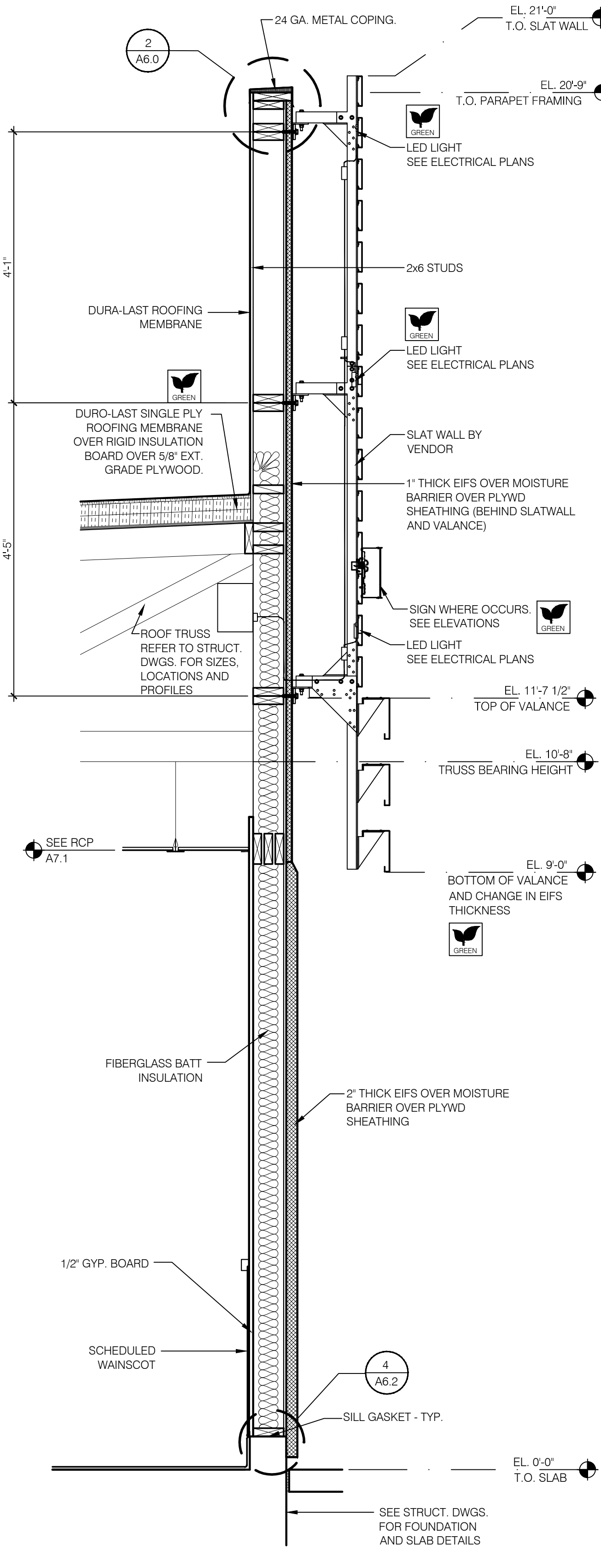
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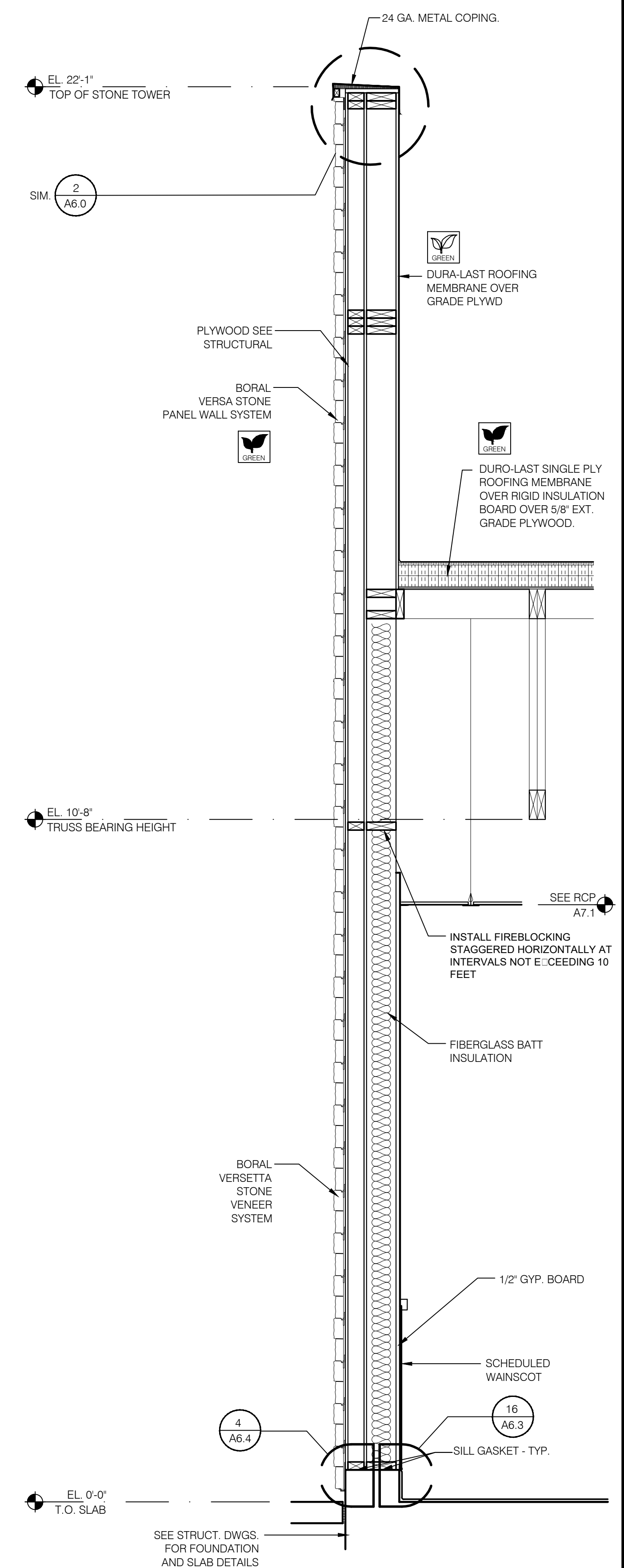
WALL SECTION AT DRIVE THRU 3/4" = 1'-0" D



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



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



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

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

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



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

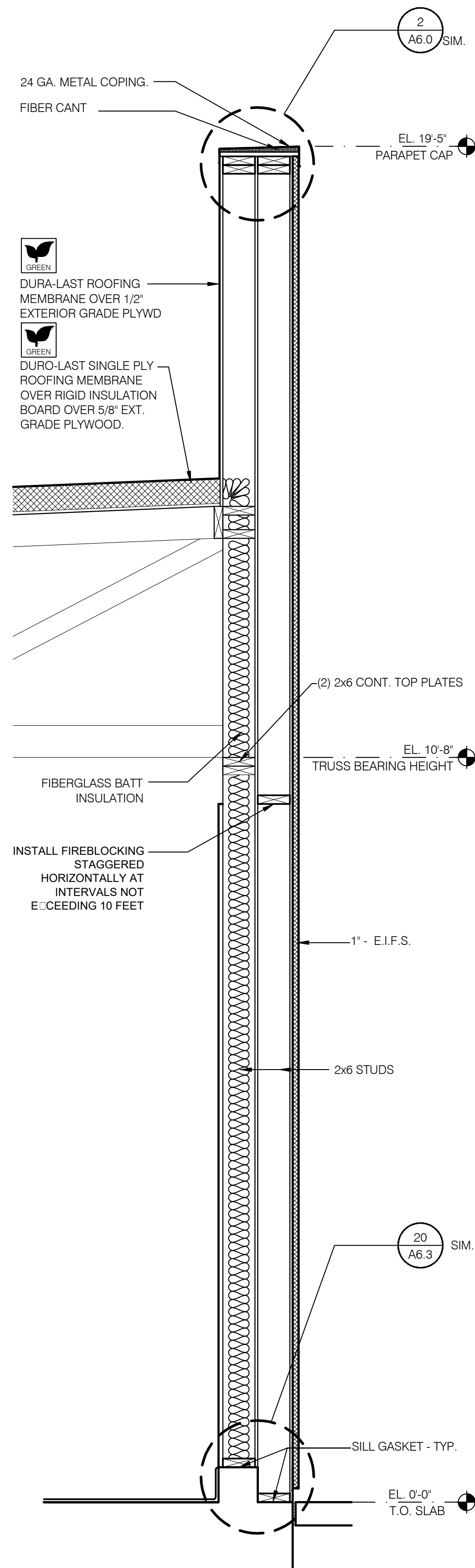
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 TBD Freeport Road
 Natrona Heights, PA 15065



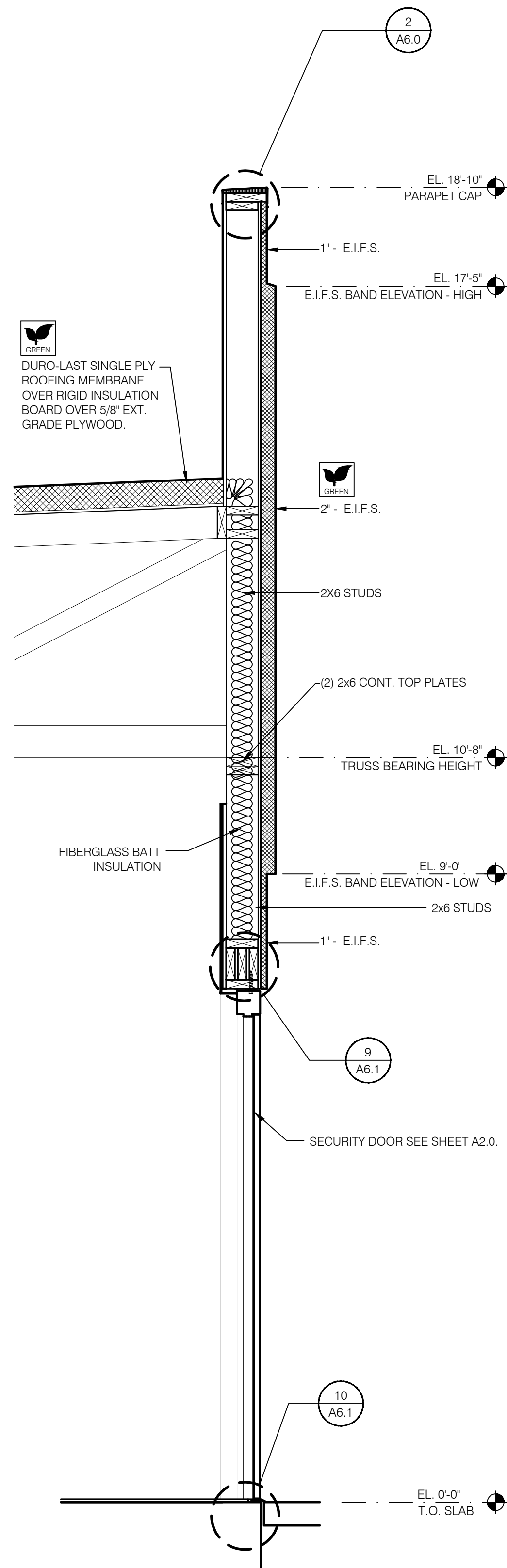
A5.0
 PERMIT PLOT DATE:

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

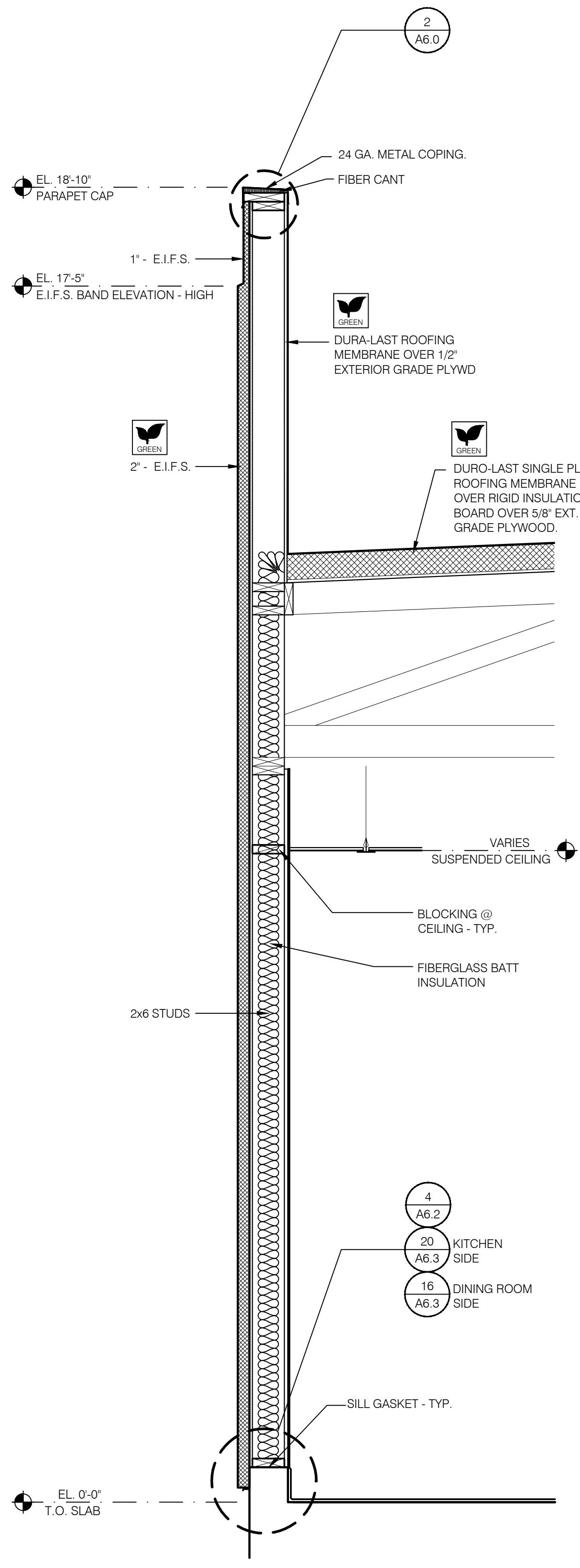
OPTION TO REPLACE RIGID
 INSULATION W/ BATT INSULATION.
 BATT TO BE HUNG FROM PLYWOOD
 DECK BETWEEN JOISTS. ENERGY
 CALCULATION TO BE REVISED
 ACCORDINGLY.
 SEE CALLOUT ON DETAIL B/A5.2



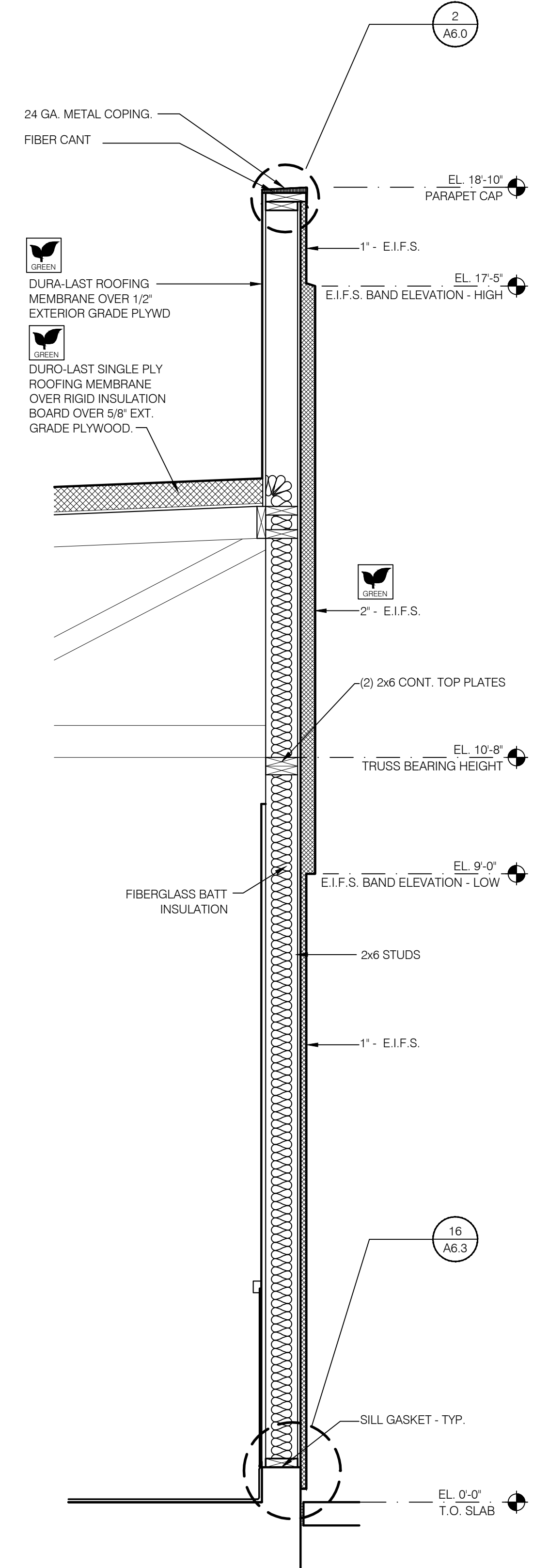
SECTION AT REAR TOWER 3/4" = 1'-0" **D**



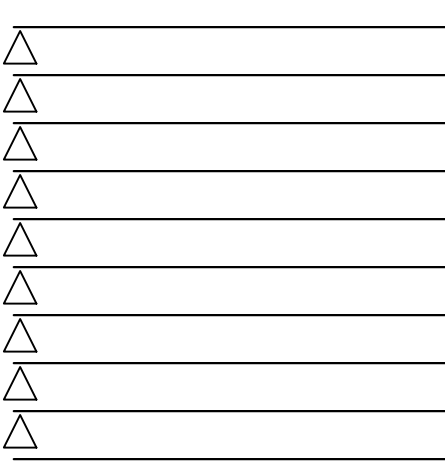
WALL SECTION AT SERVICE DOOR 3/4" = 1'-0" **C**



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



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



CONTRACT DATE:
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 STORE NUMBER: TBD

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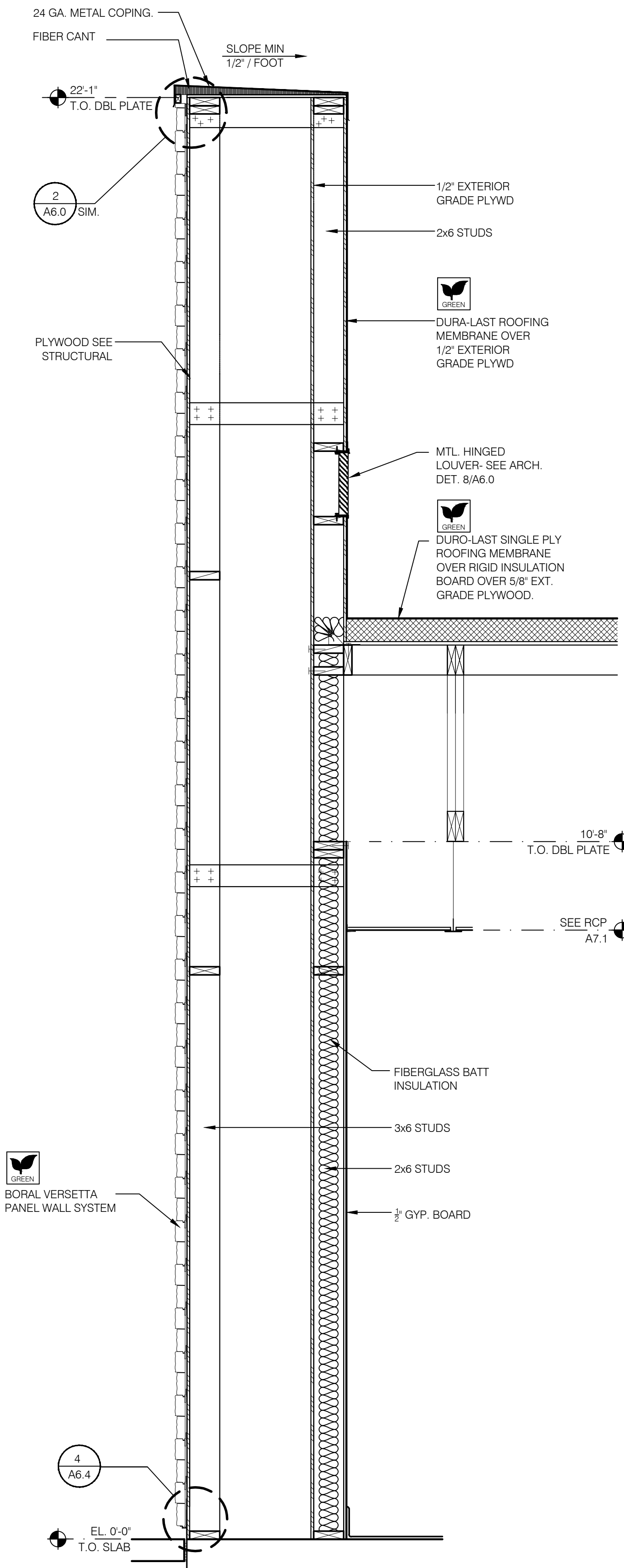
TACO BELL
 LIVE MAS
 LARGE50 - REVERSE

**WALL
 SECTIONS**

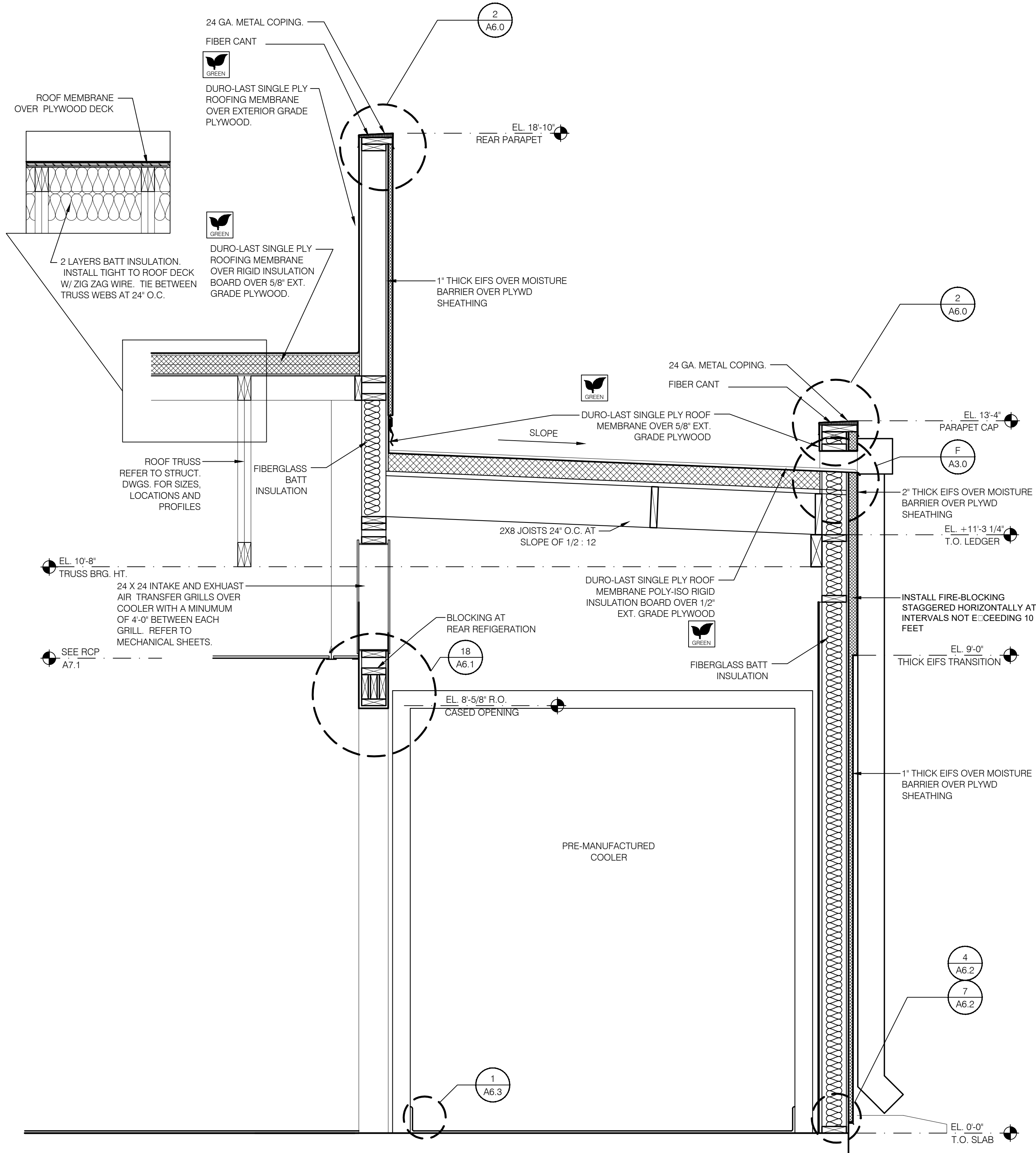
A5.1
 PERMIT PLOT DATE:

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

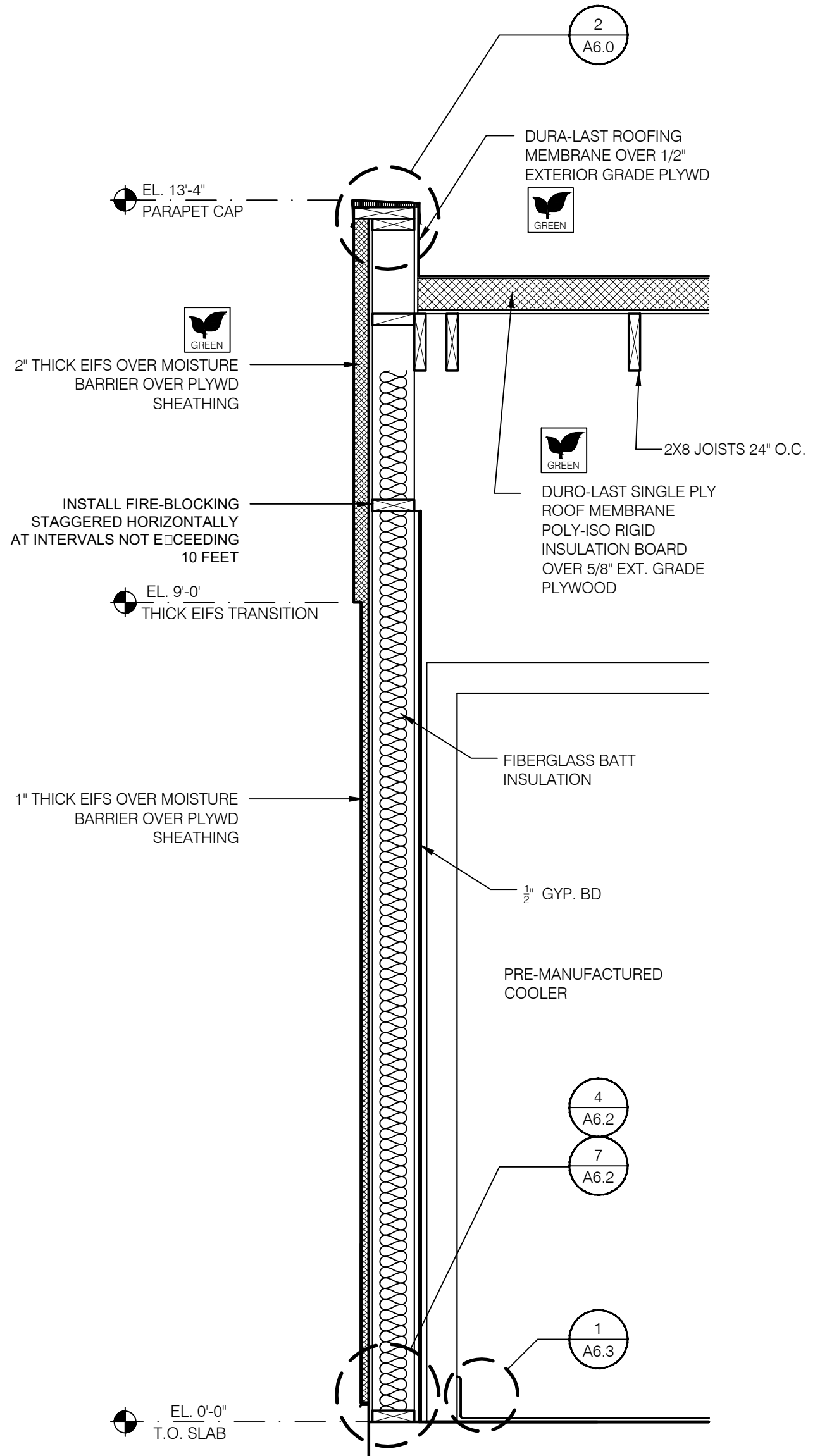
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 8535 ferry road
 waynesville, oh 45068
 617-331-2549
 kathleendayarchitect@gmail.com



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



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



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



- △
- △
- △
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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

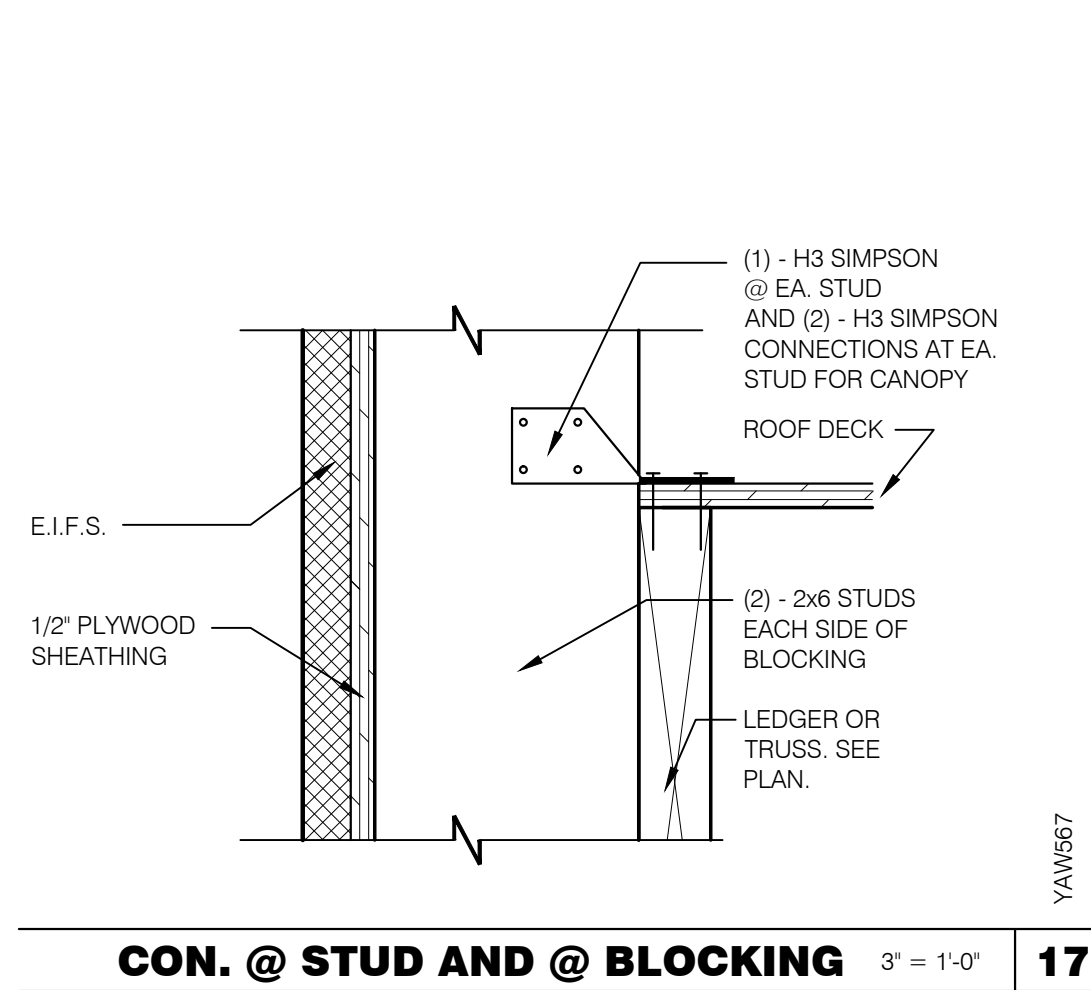
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TACO BELL
LIVE MAS
 LARGE50 - REVERSE

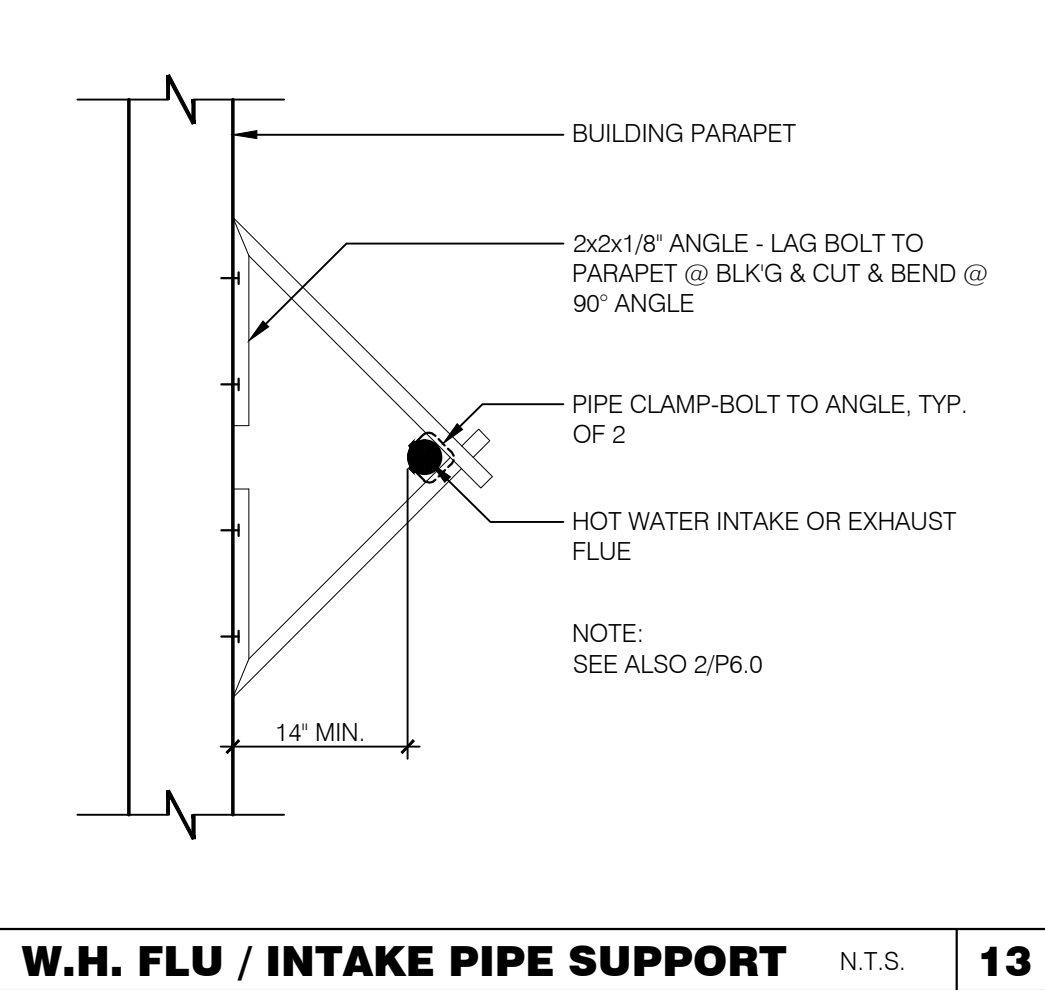
WALL SECTIONS

A5.2

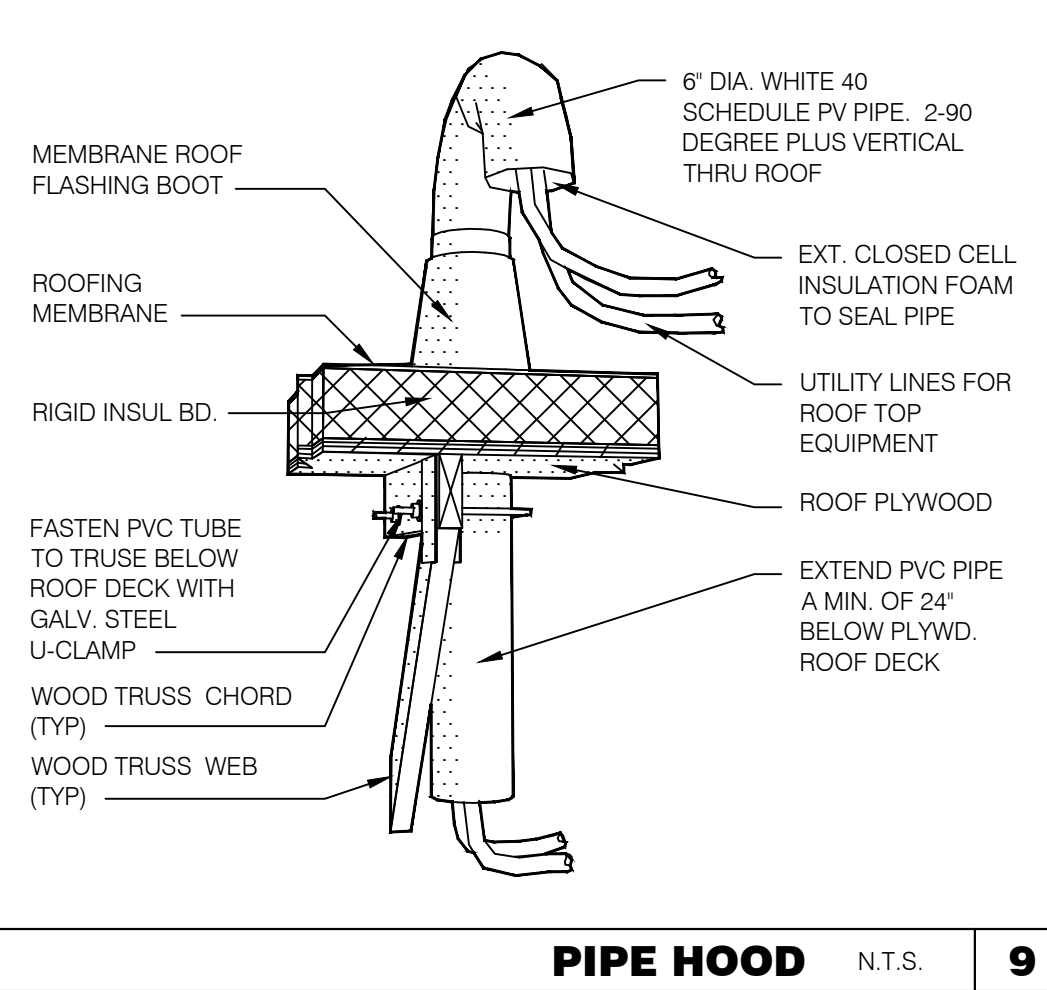
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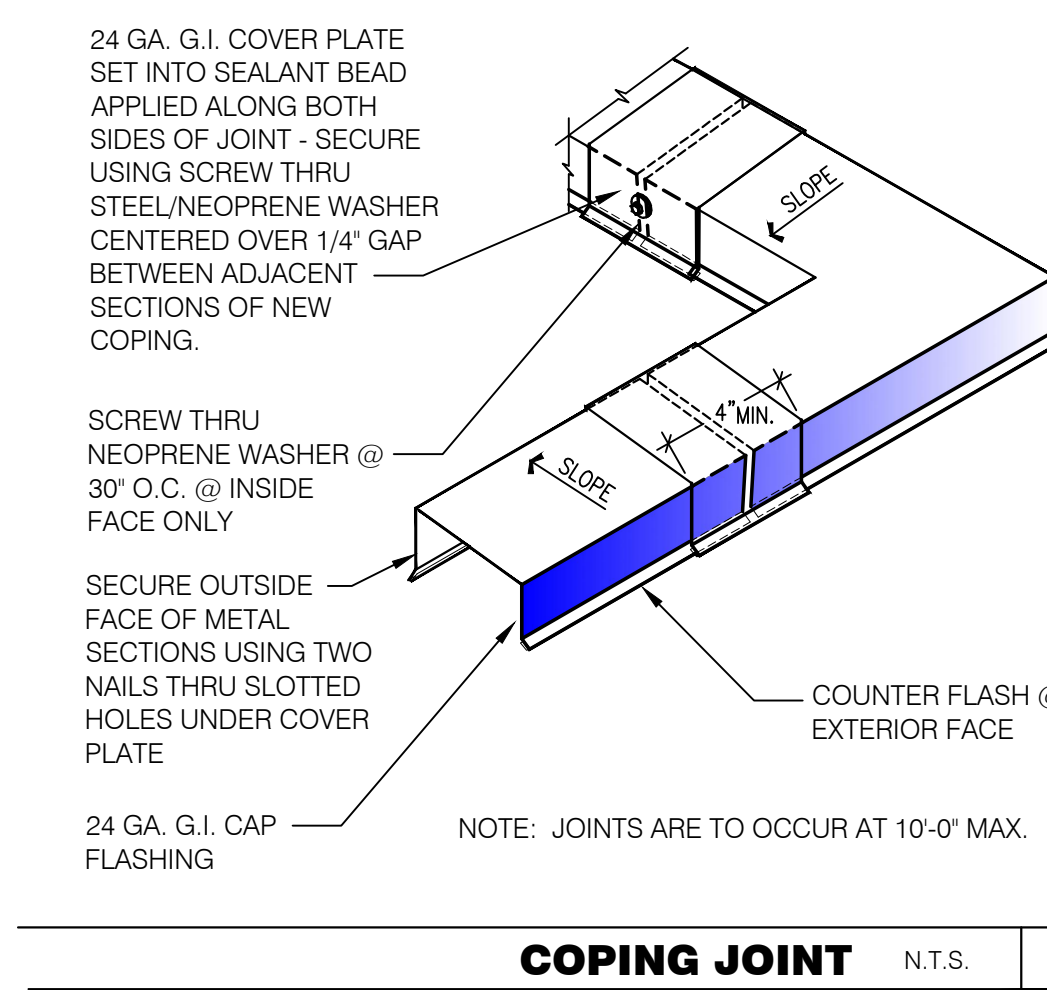
CON. @ STUD AND @ BLOCKING 3' = 1'-0" 17



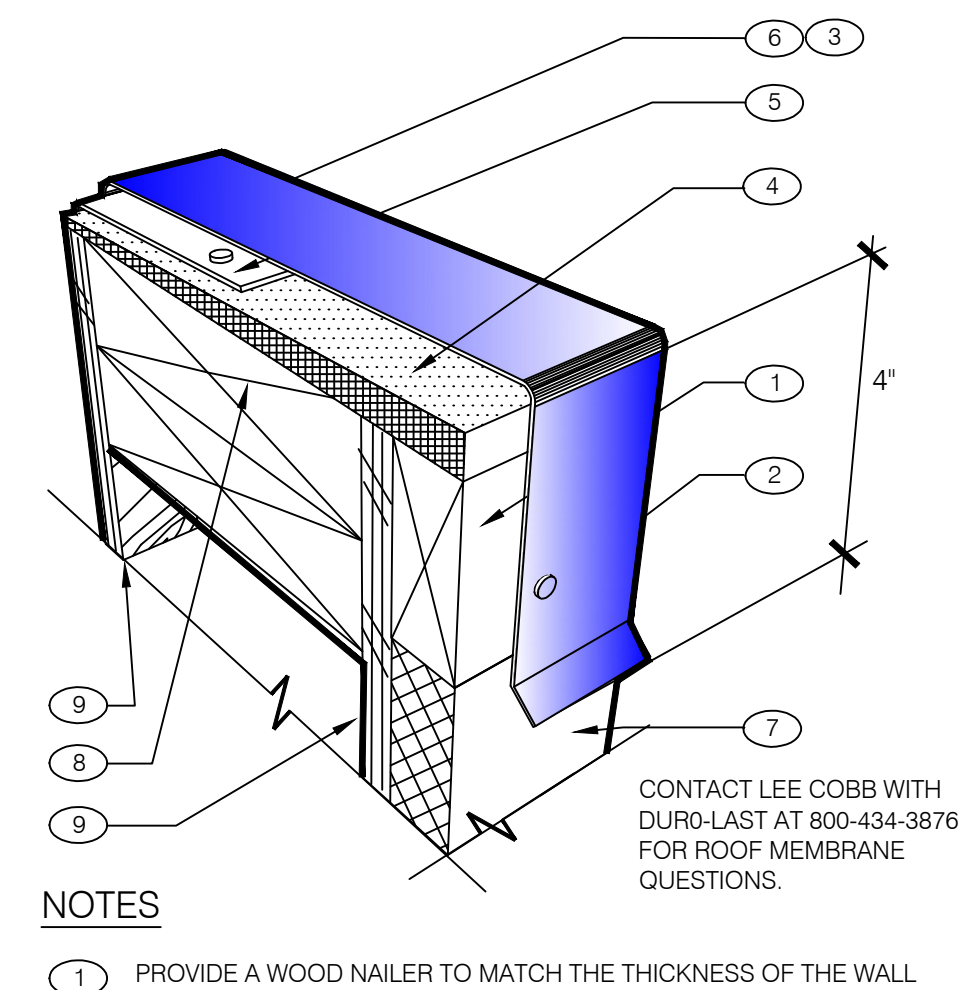
W.H. FLU / INTAKE PIPE SUPPORT N.T.S. 13



PIPE HOOD N.T.S. 9

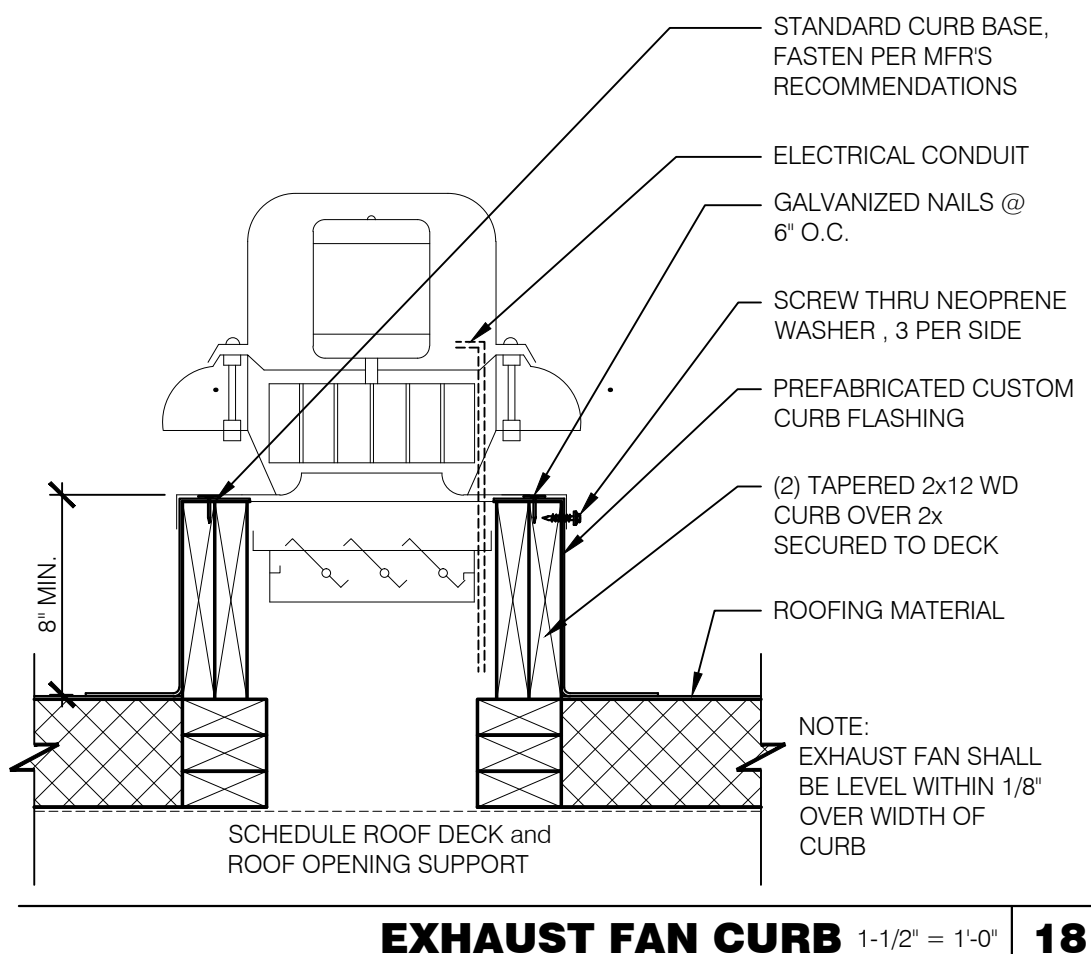


COPING JOINT N.T.S. 5

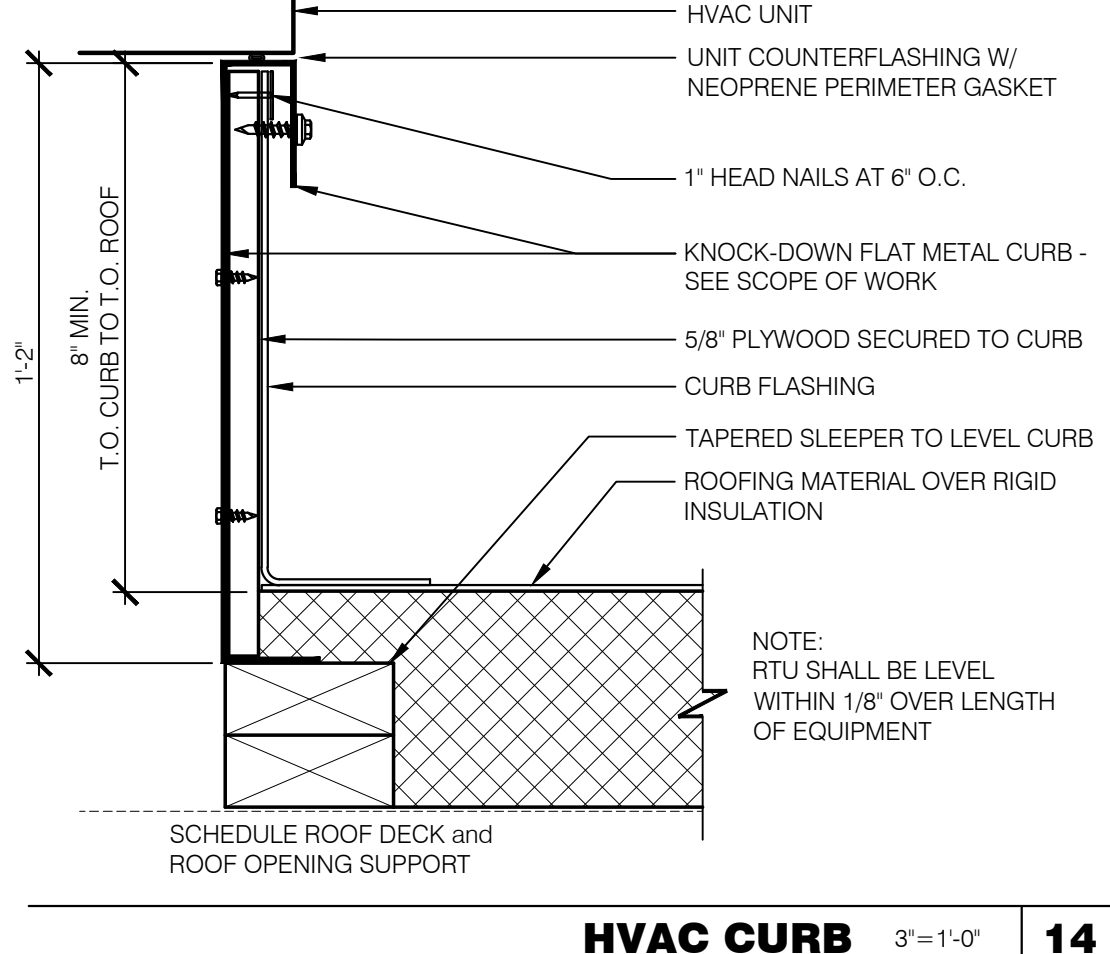


PARAPET CAP N.T.S. 2

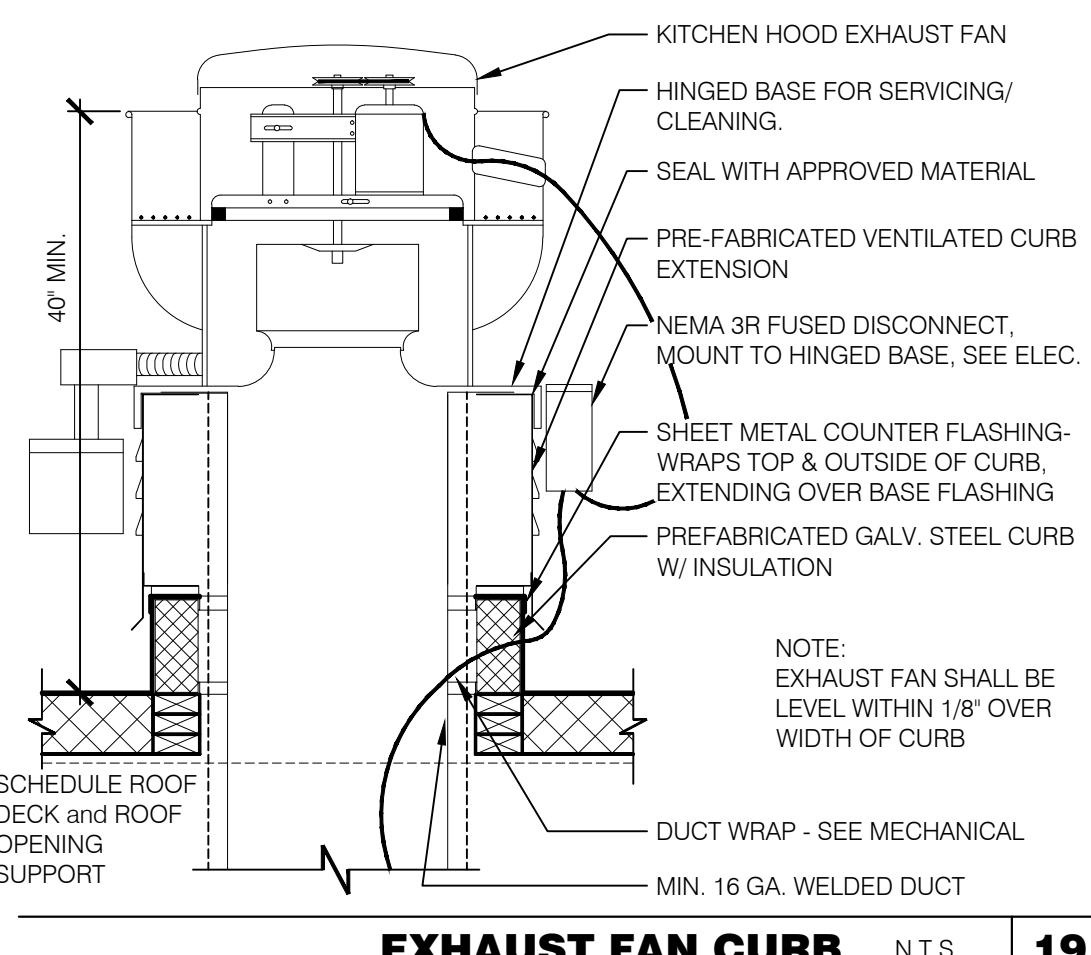
- NOTES**
- PROVIDE A WOOD NAILER TO MATCH THE THICKNESS OF THE WALL FINISH. APPROX. 1" THICK IS TYPICAL BUT MAY VARY. TOP OF WOOD NAILER SHALL BE FLUSH WITH TOP OF WALL FINISH. THE WOOD NAILER SHALL EXTEND AT LEAST 1/2" INCH BEYOND THE LOWER HORIZONTAL EDGE OF THE PARAPET COPING TO ALLOW FOR PROPER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



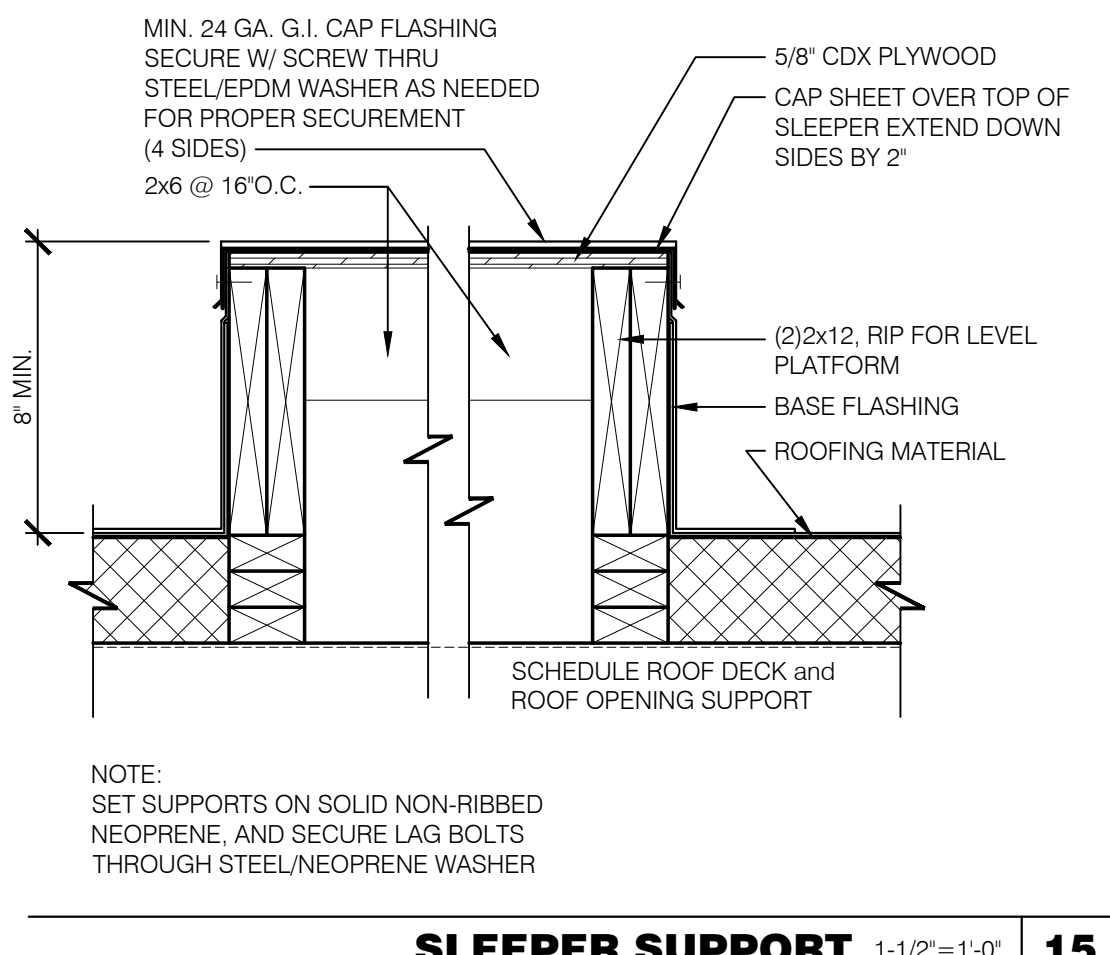
EXHAUST FAN CURB 1-1/2' = 1'-0" 18



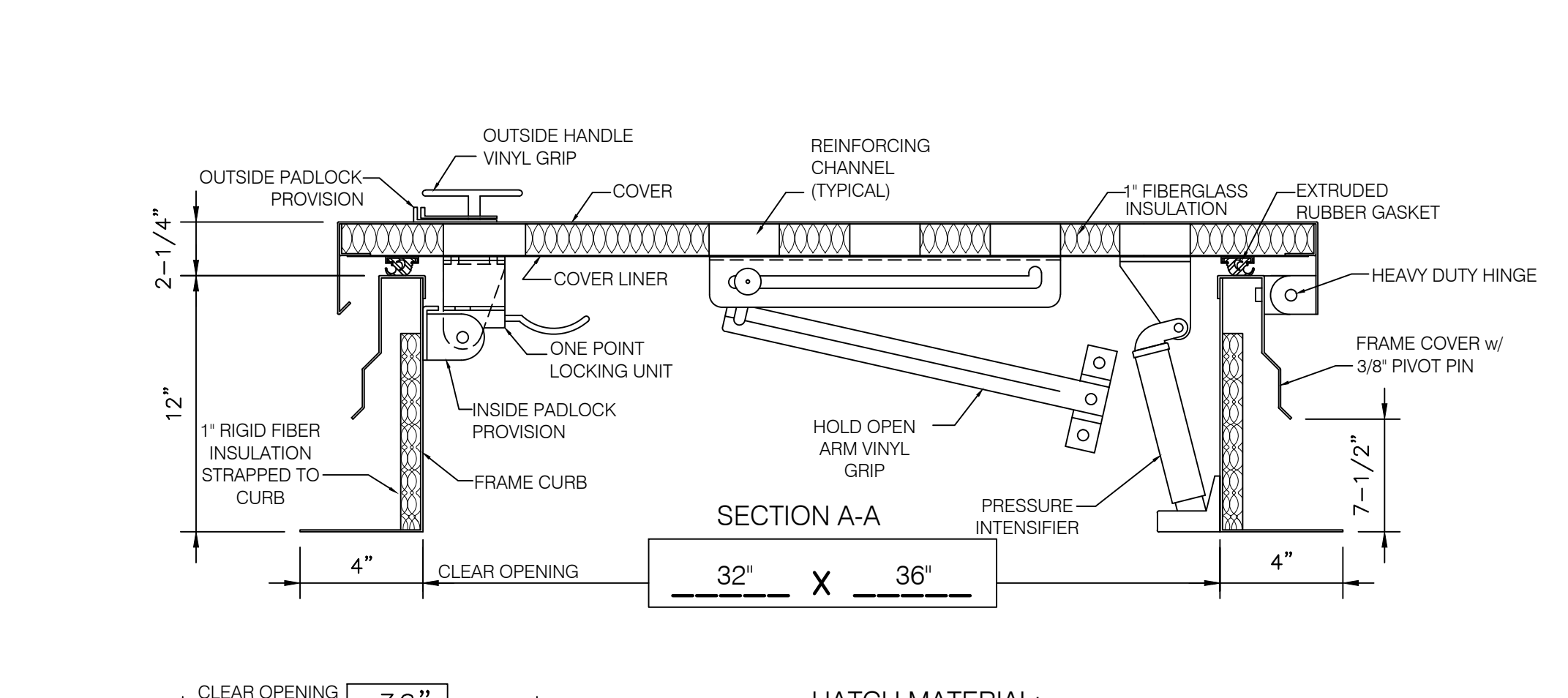
HVAC CURB 3' = 1'-0" 14



EXHAUST FAN CURB N.T.S. 19



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



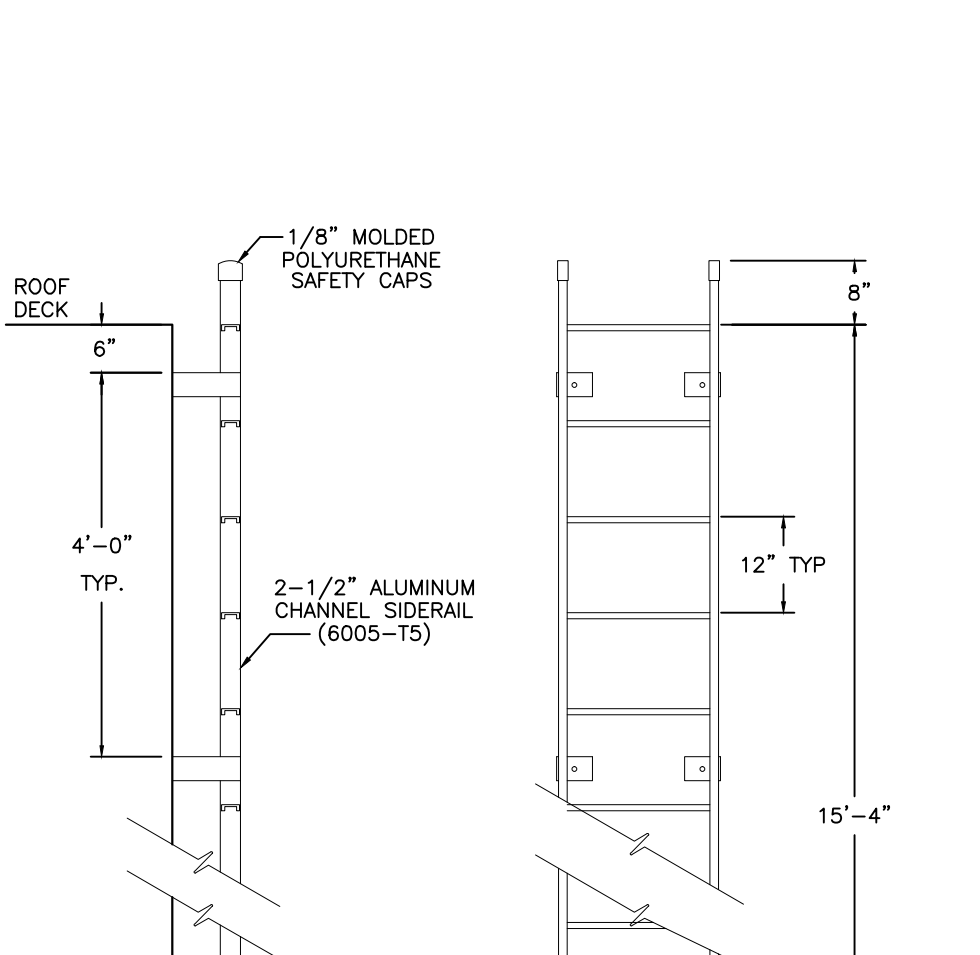
HATCH MATERIAL:
 GALVANIZED STEEL (PRIME PAINTED)
 COVER - 14 GA. GALV STEEL
 FRAME COVER - 14 GA. GALV STEEL
 FRAME CURB - 14 GA. GALV STEEL
 COVER LINER - 22 GA. GALV STEEL

HATCH FINISH:
 GALV - PRIME PAINTED

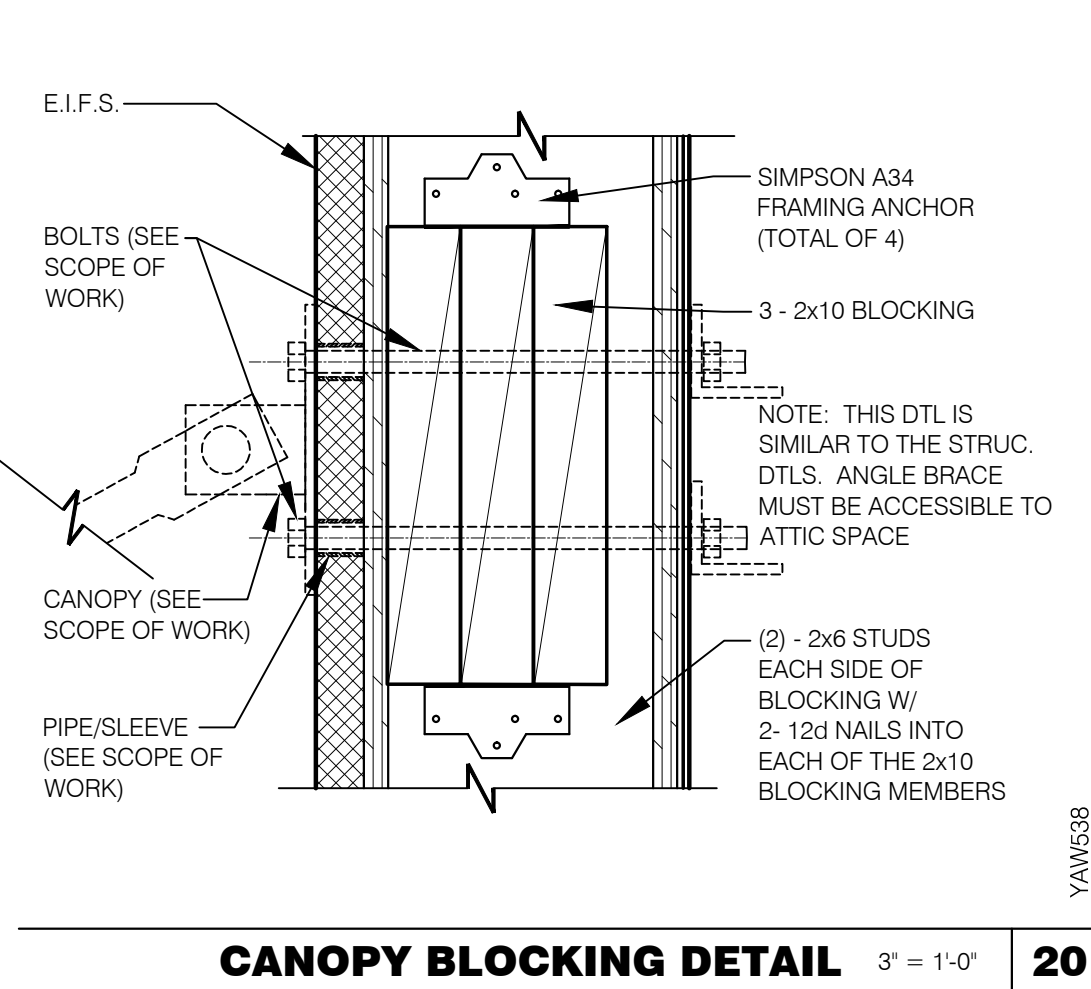
MANUFACTURER:
 PRECISION LADDERS, LLC OR EQUAL

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

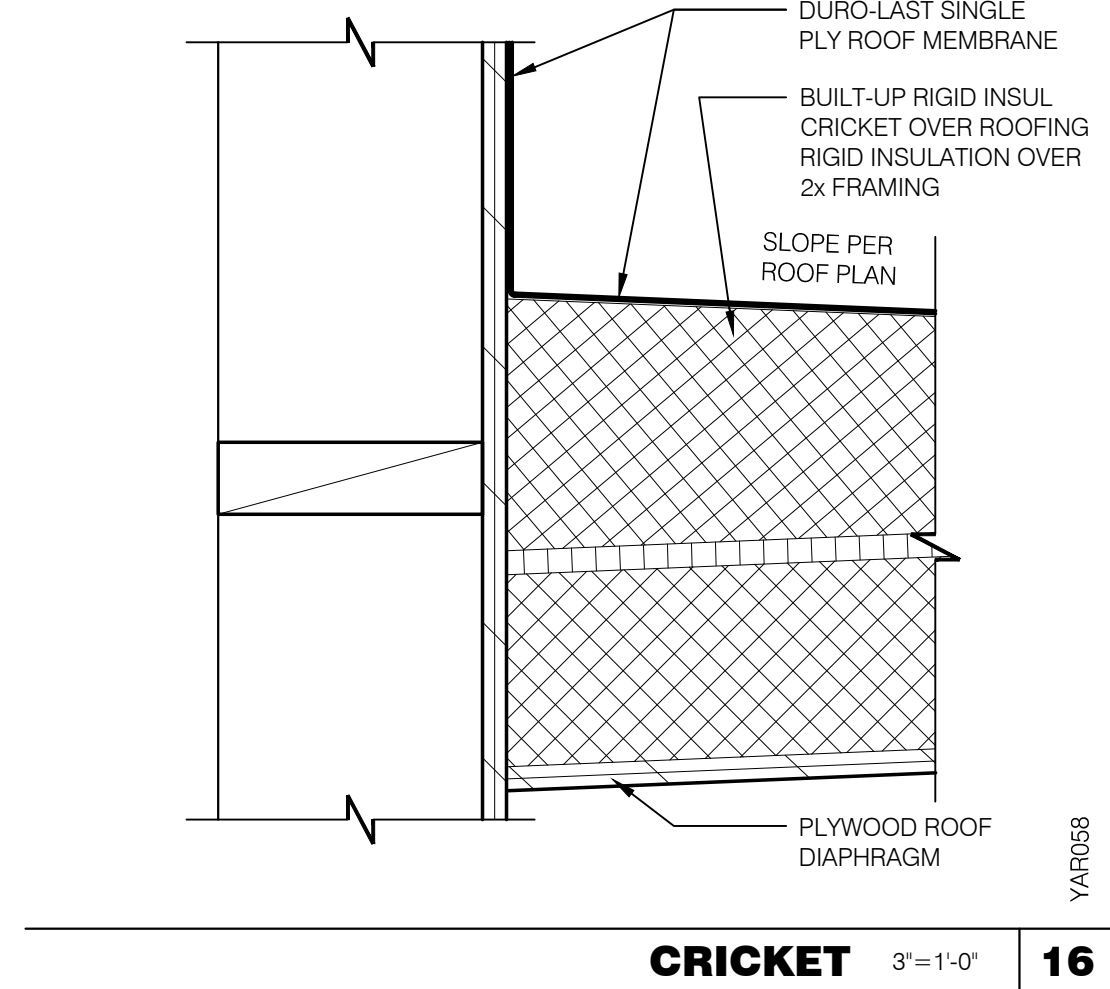
ROOF LADDER AND HATCH 1' = 1'-0" 7



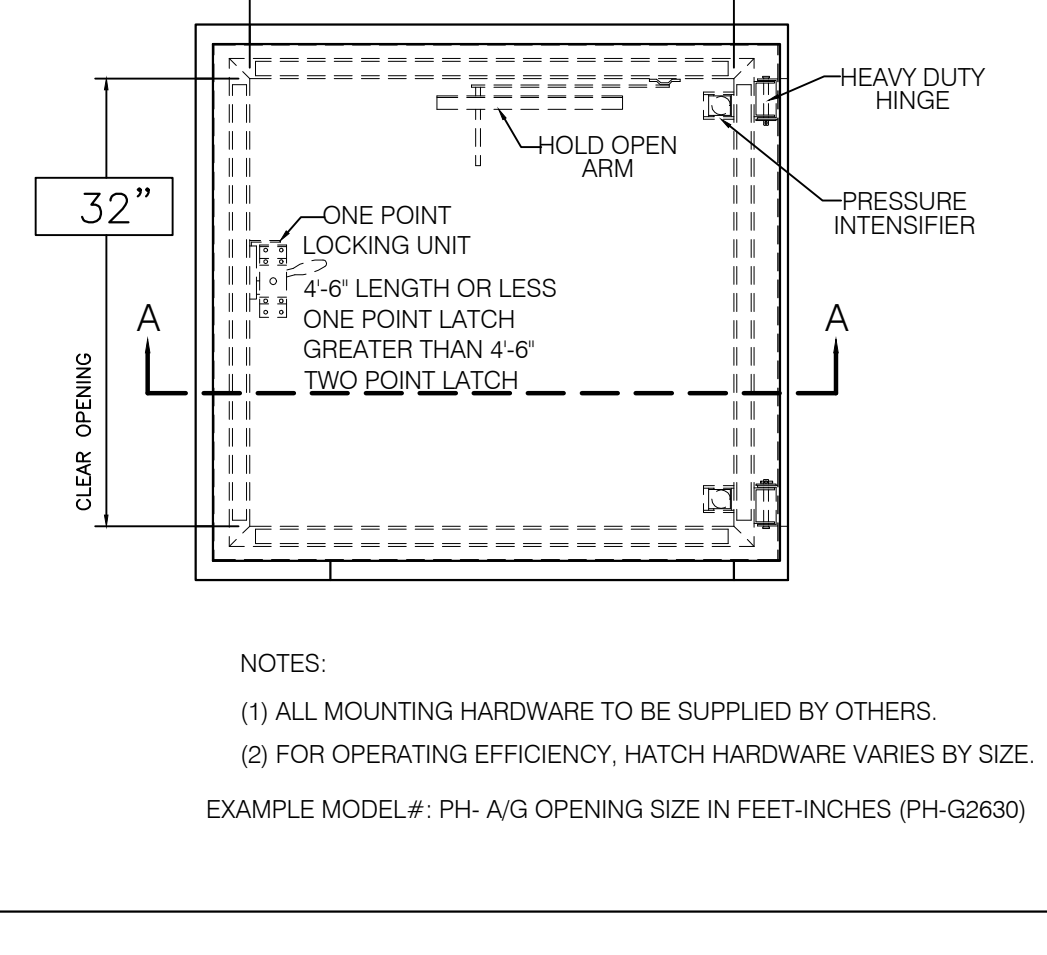
ROOF LADDER N.T.S. 4



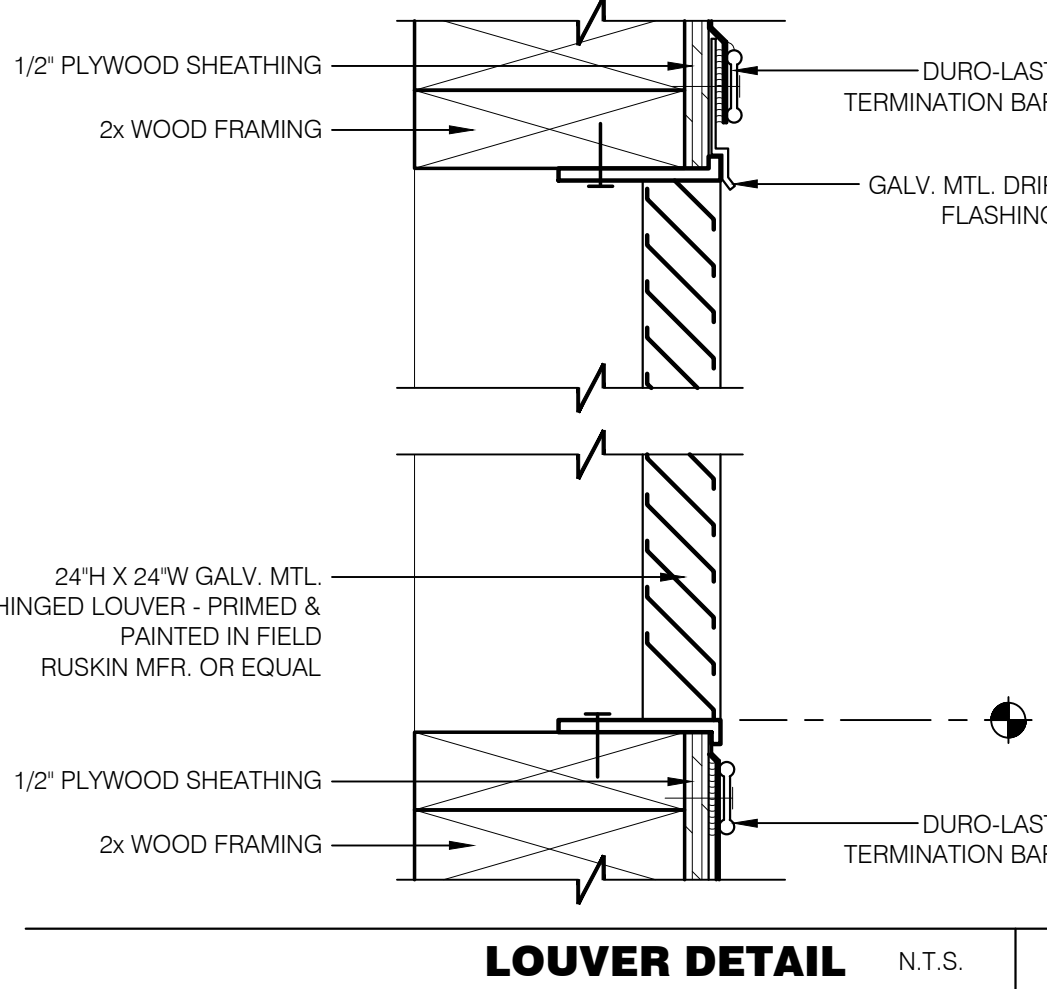
CANOPY BLOCKING DETAIL 3' = 1'-0" 20



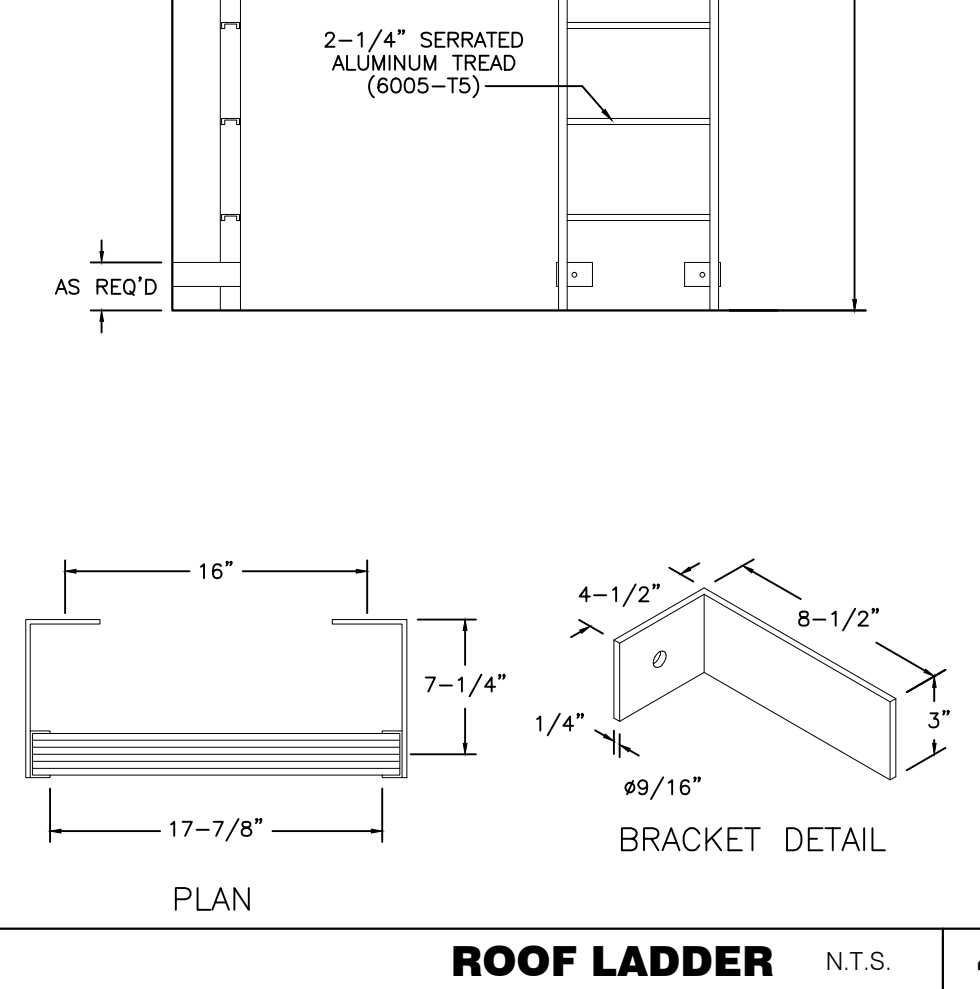
CRICKET 3' = 1'-0" 16



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

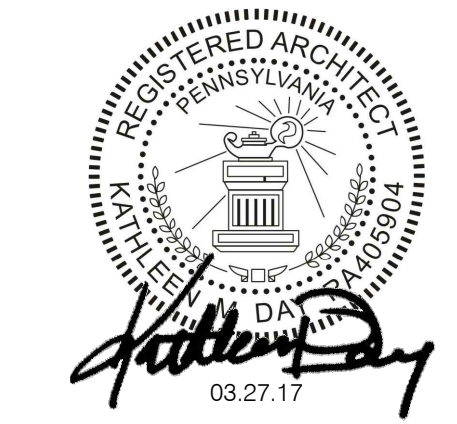


LOUVER DETAIL N.T.S. 8



BRACKET DETAIL

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



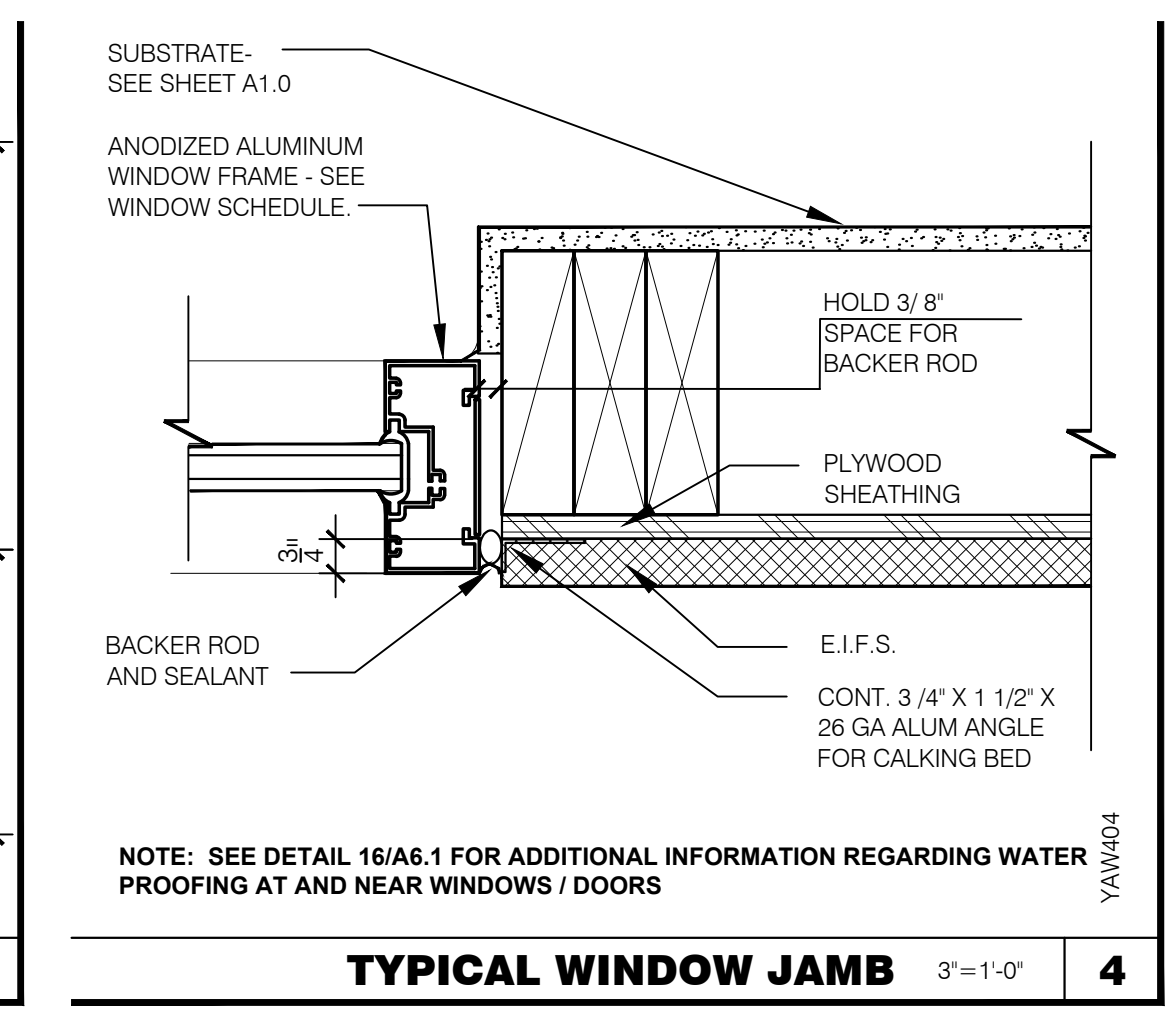
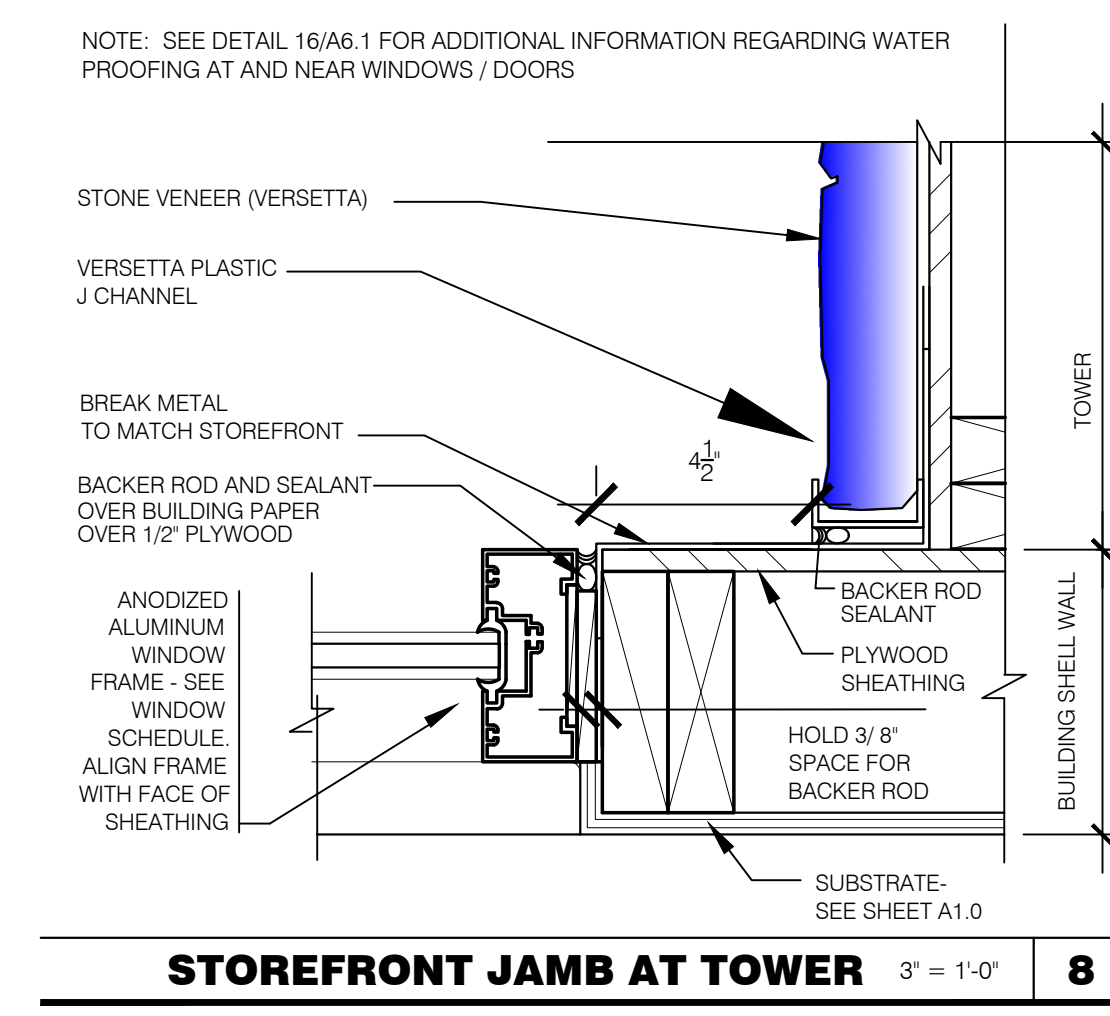
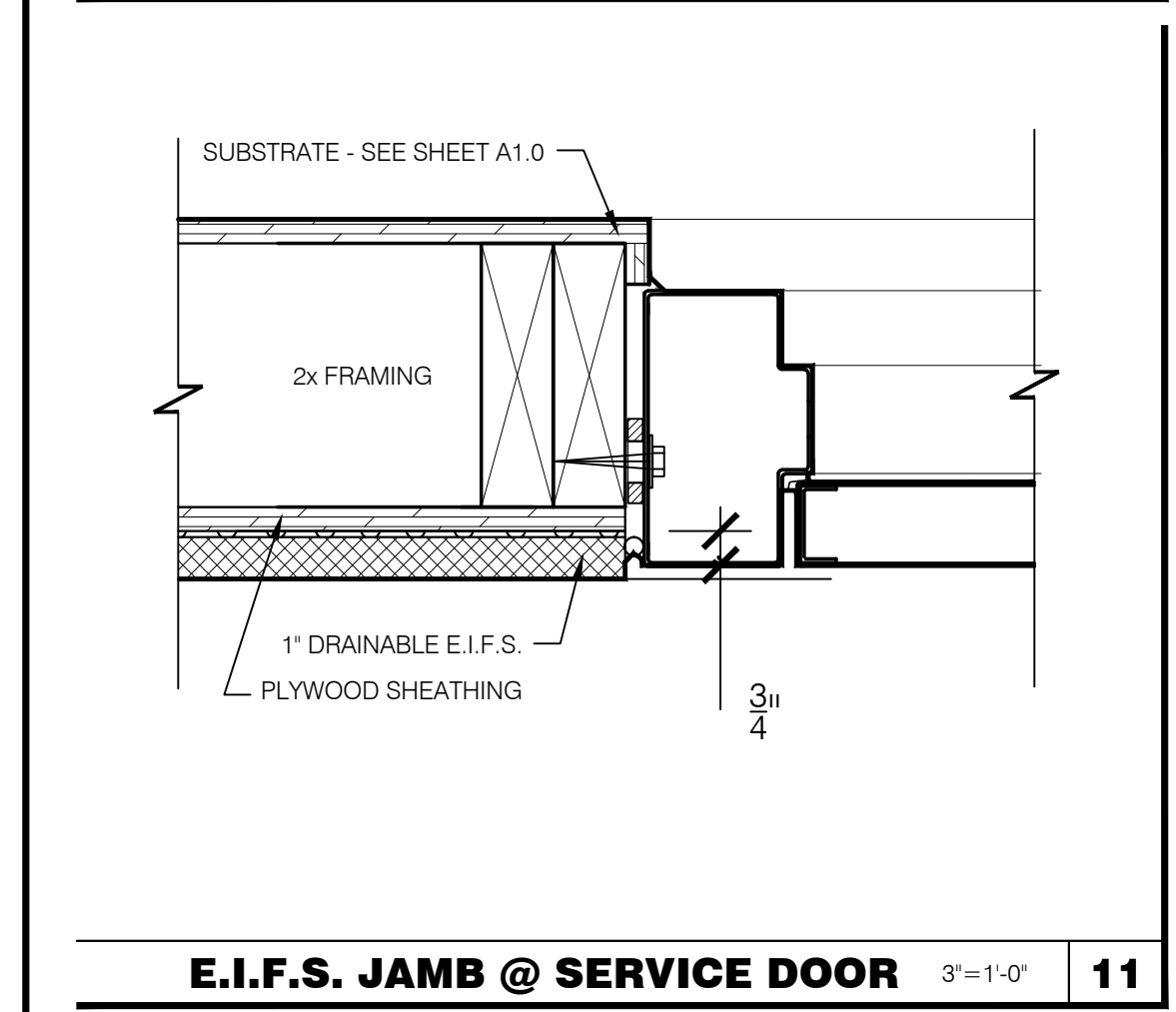
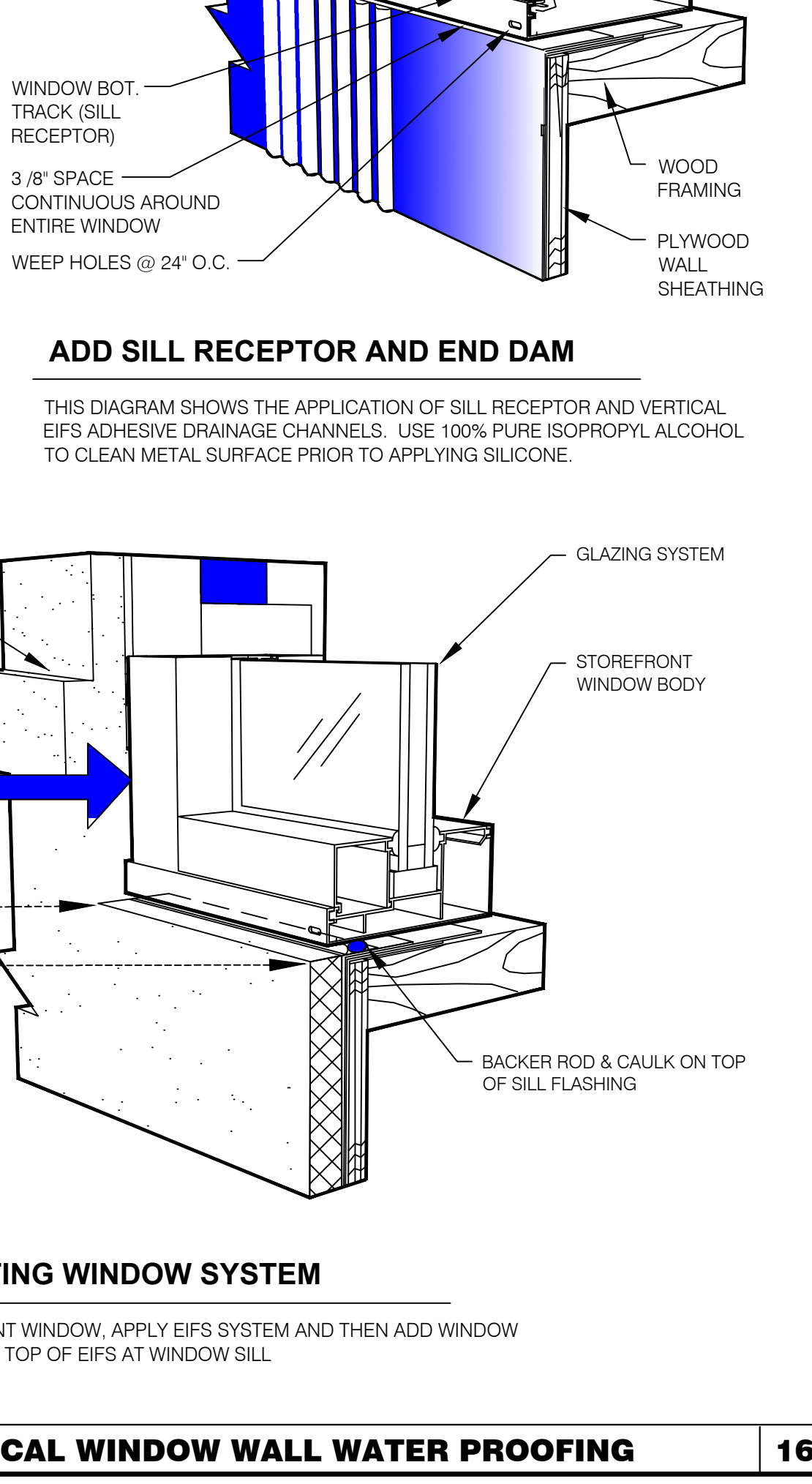
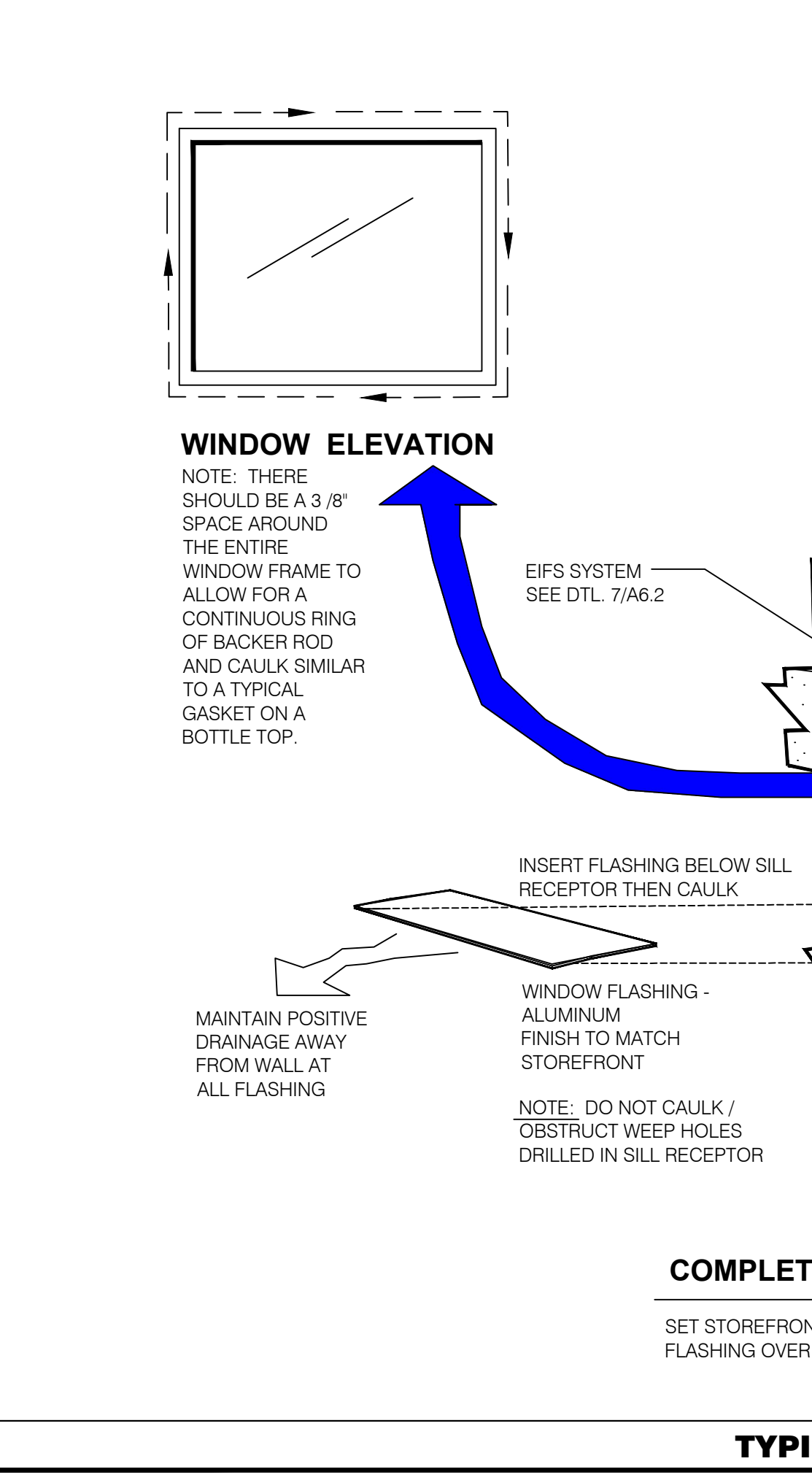
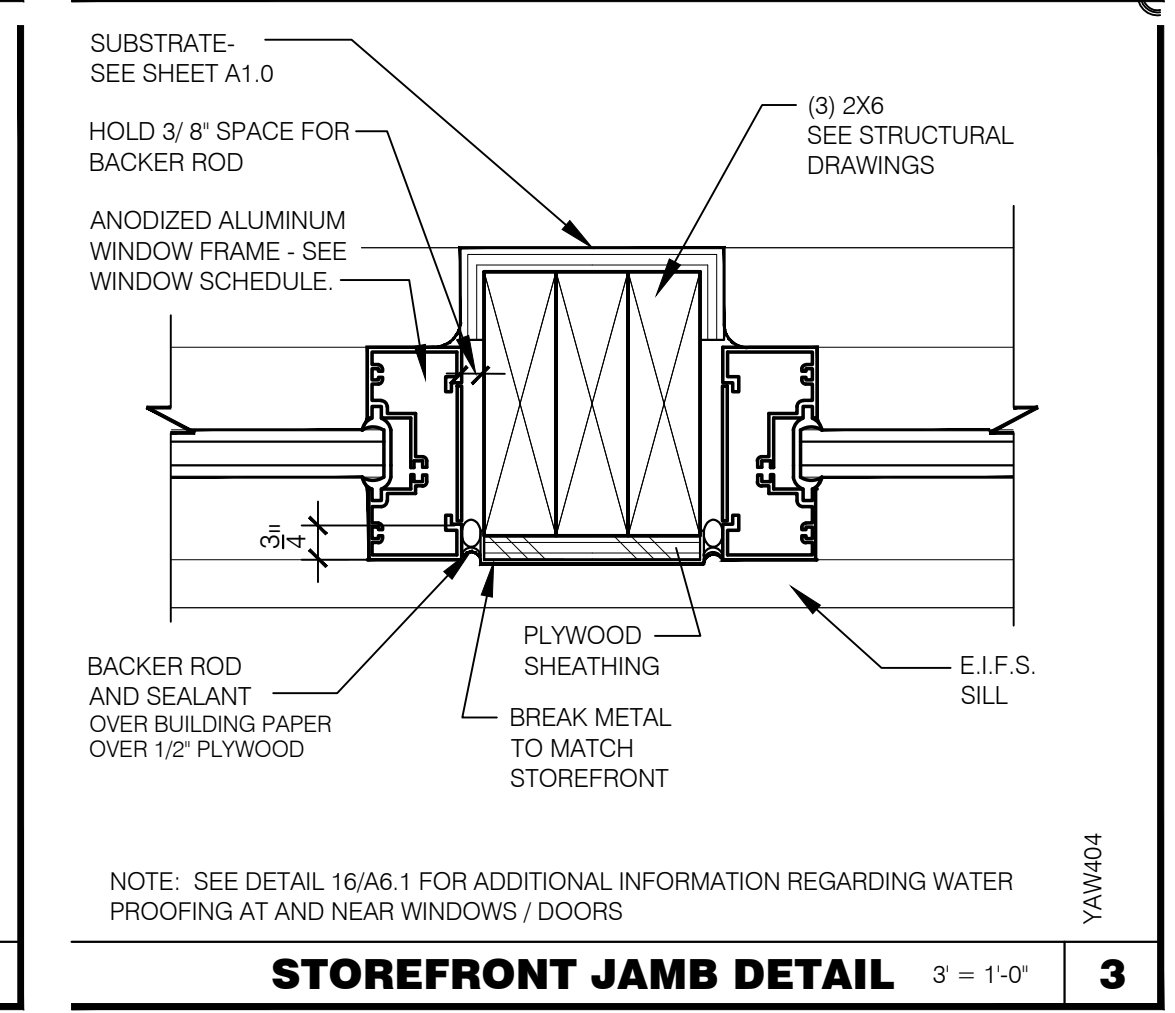
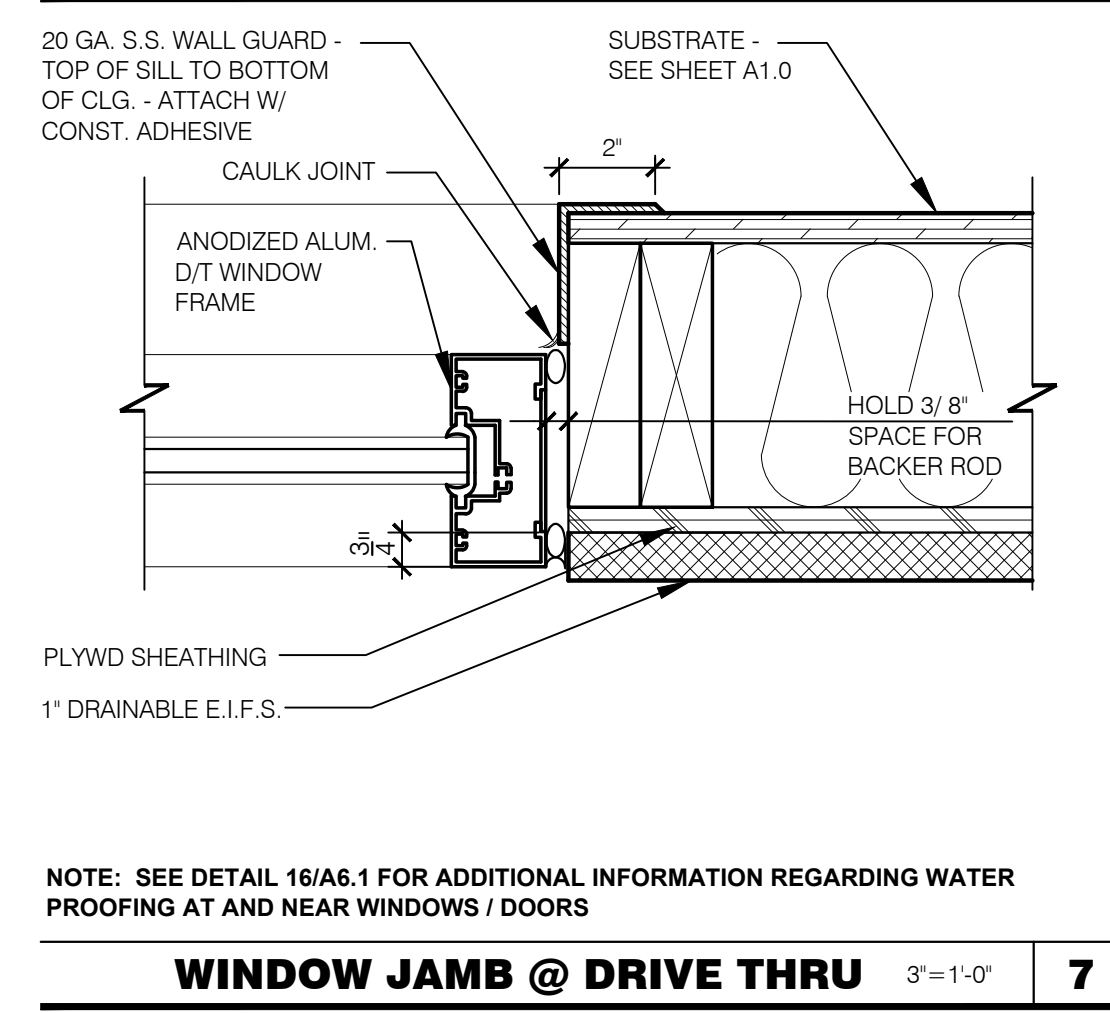
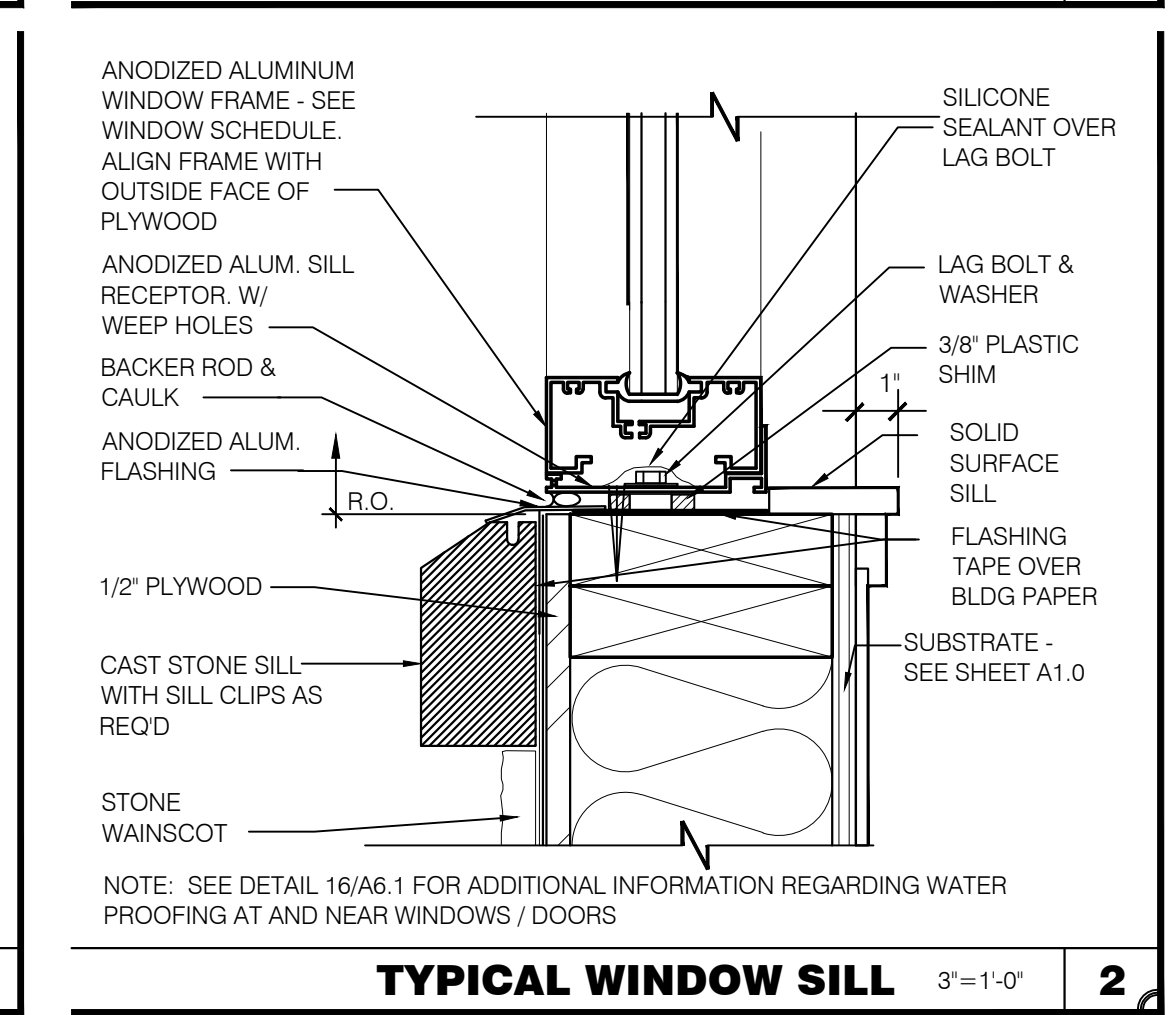
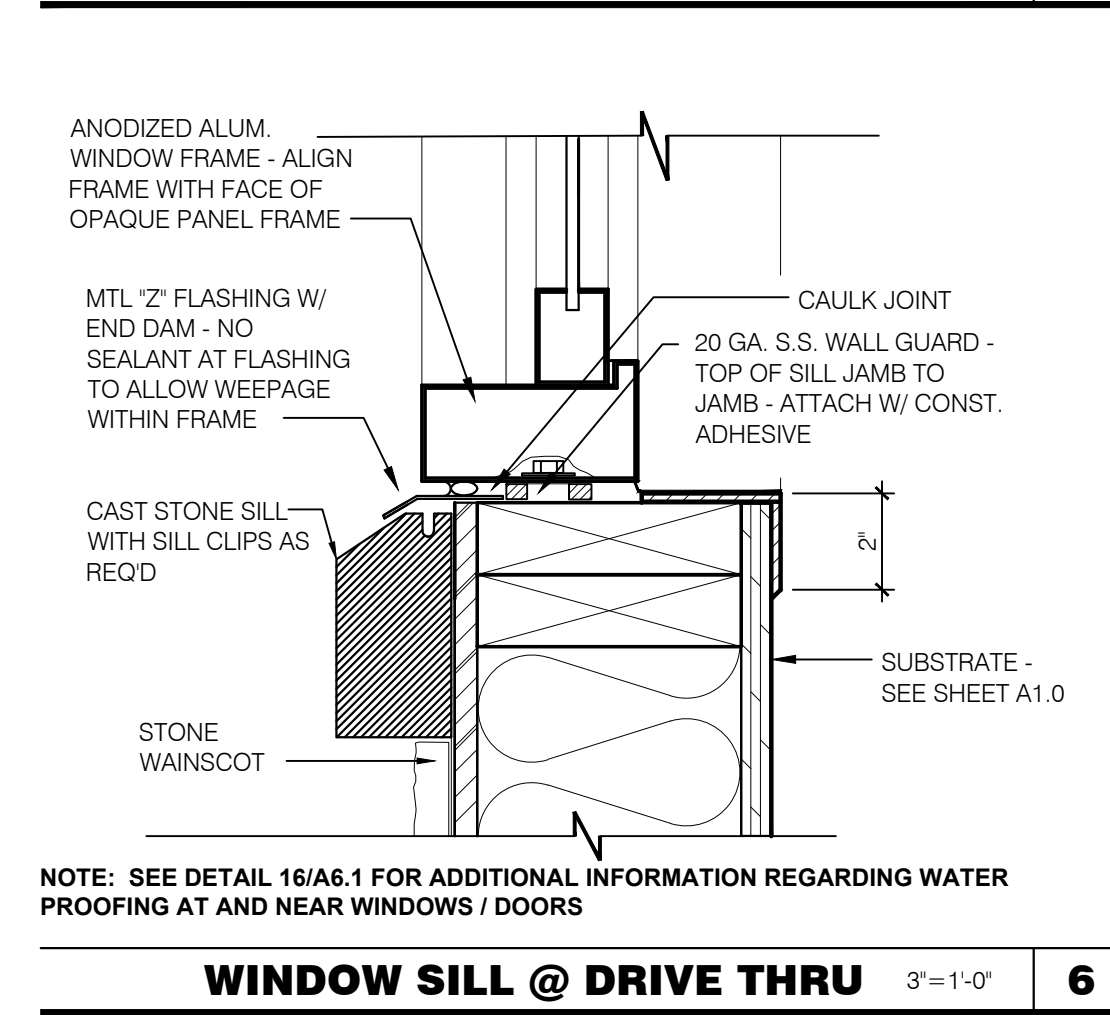
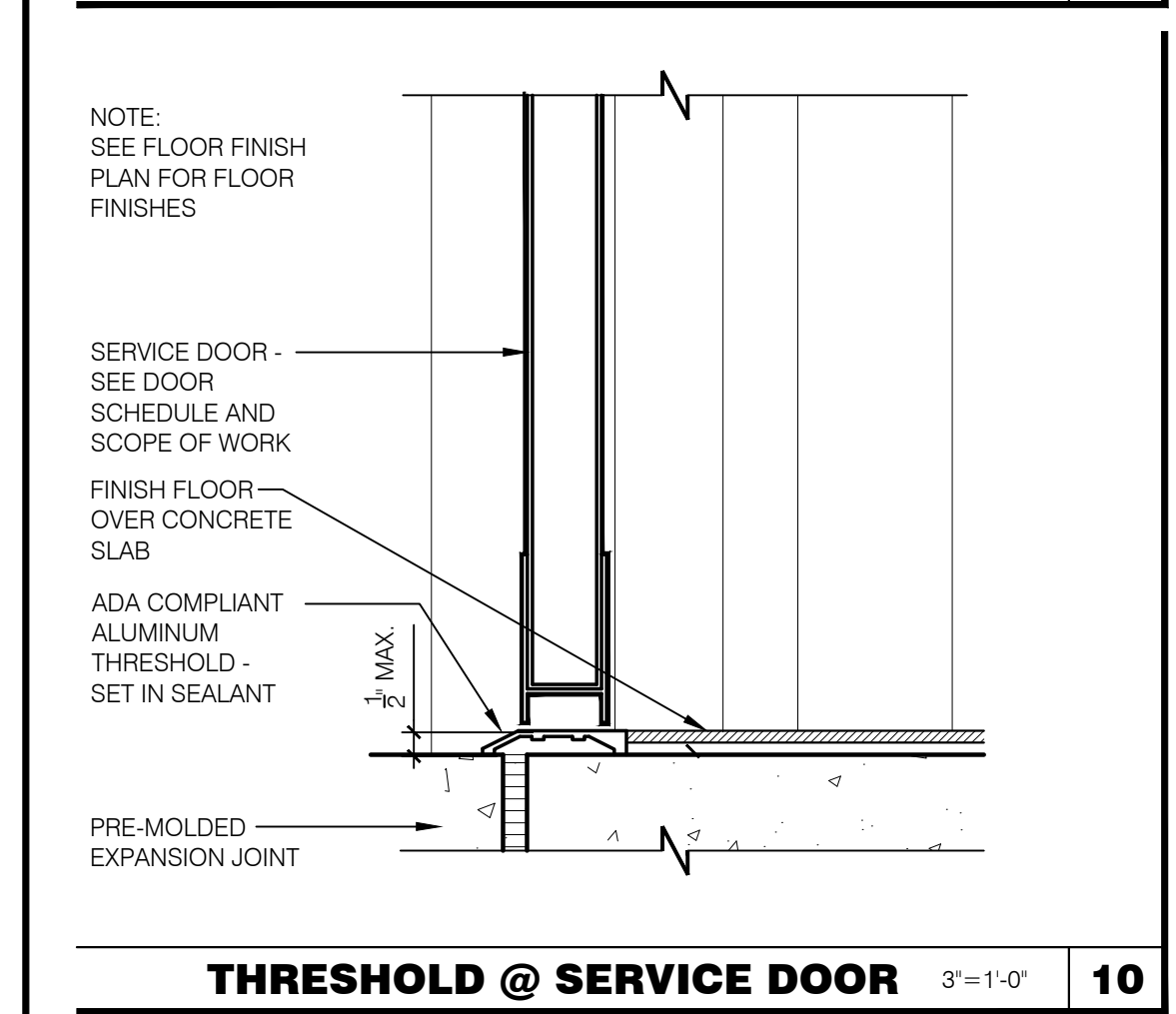
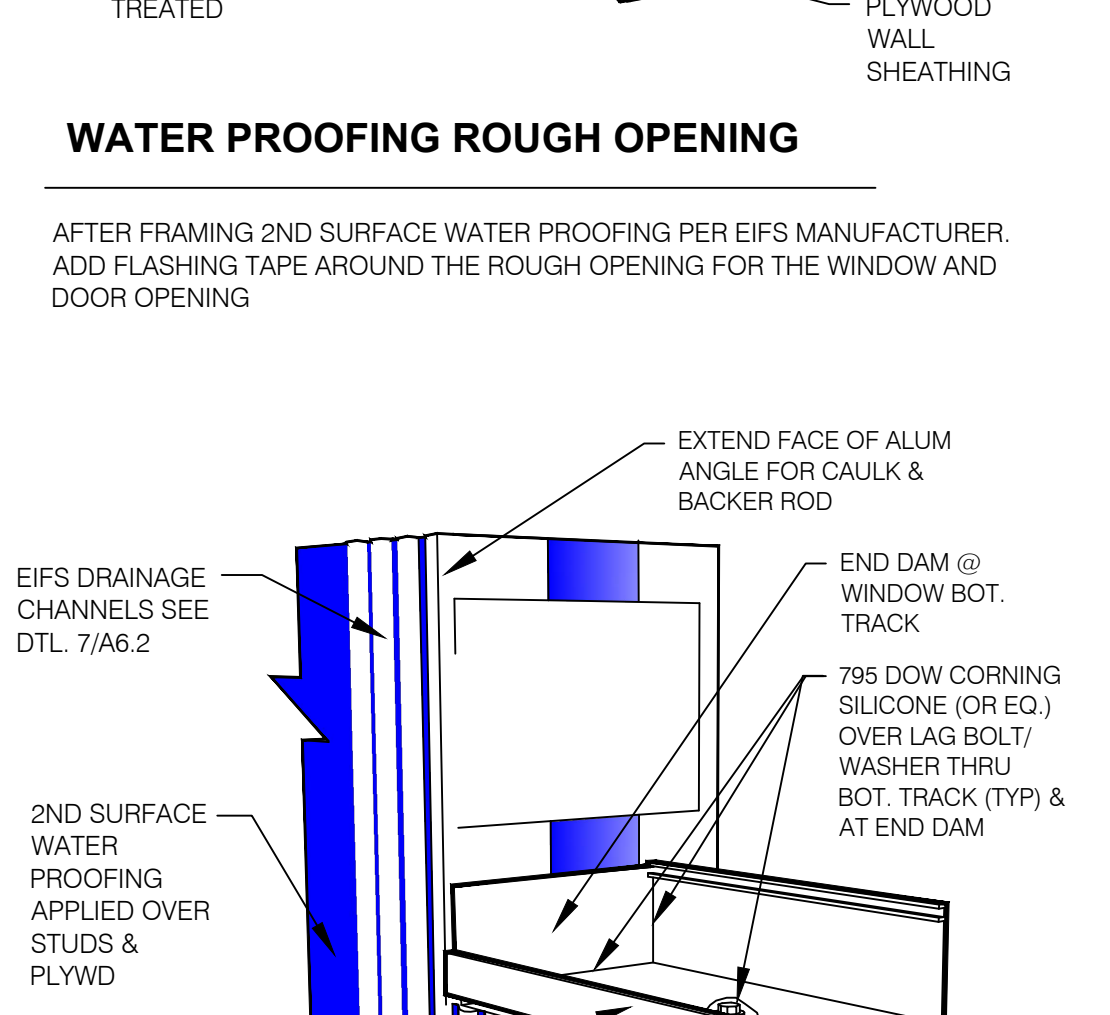
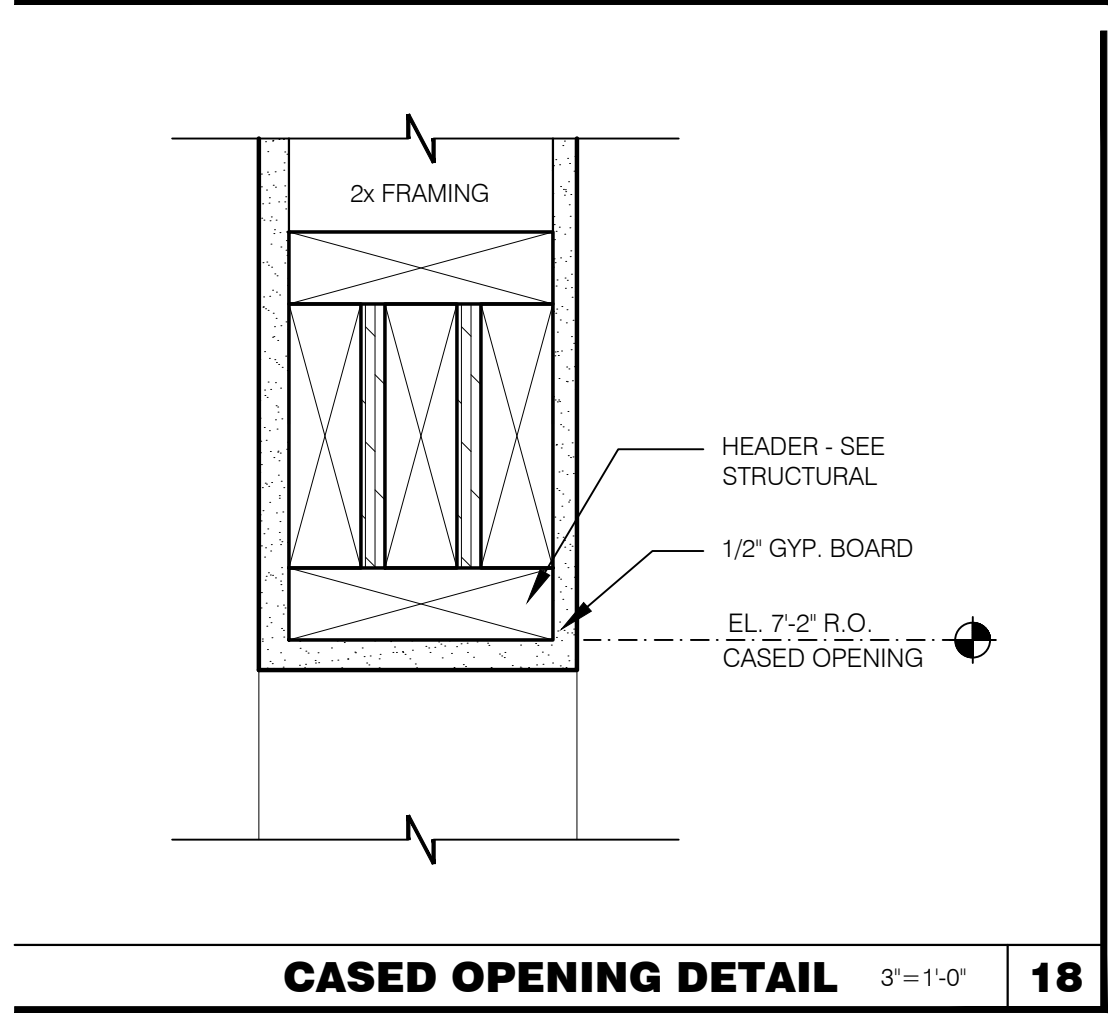
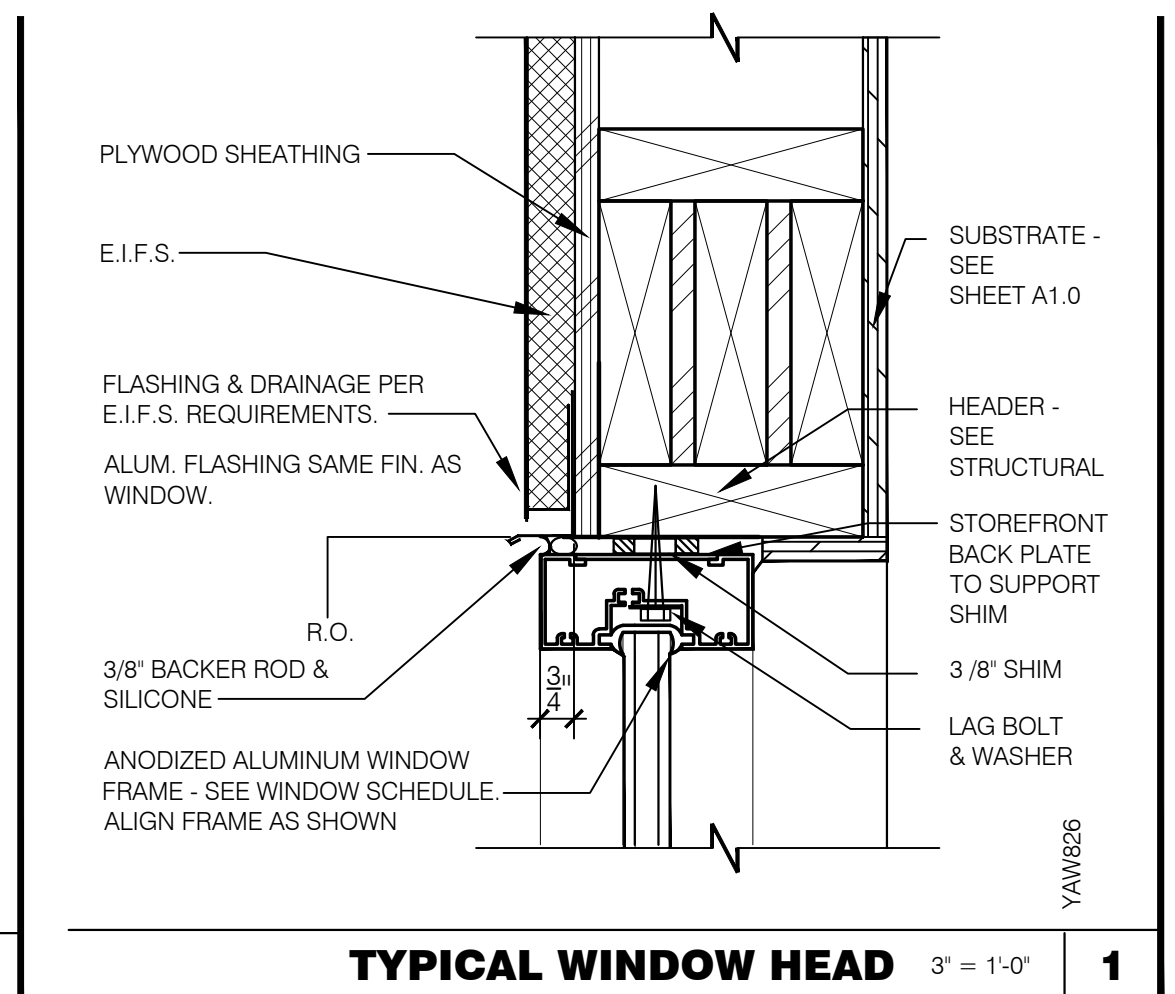
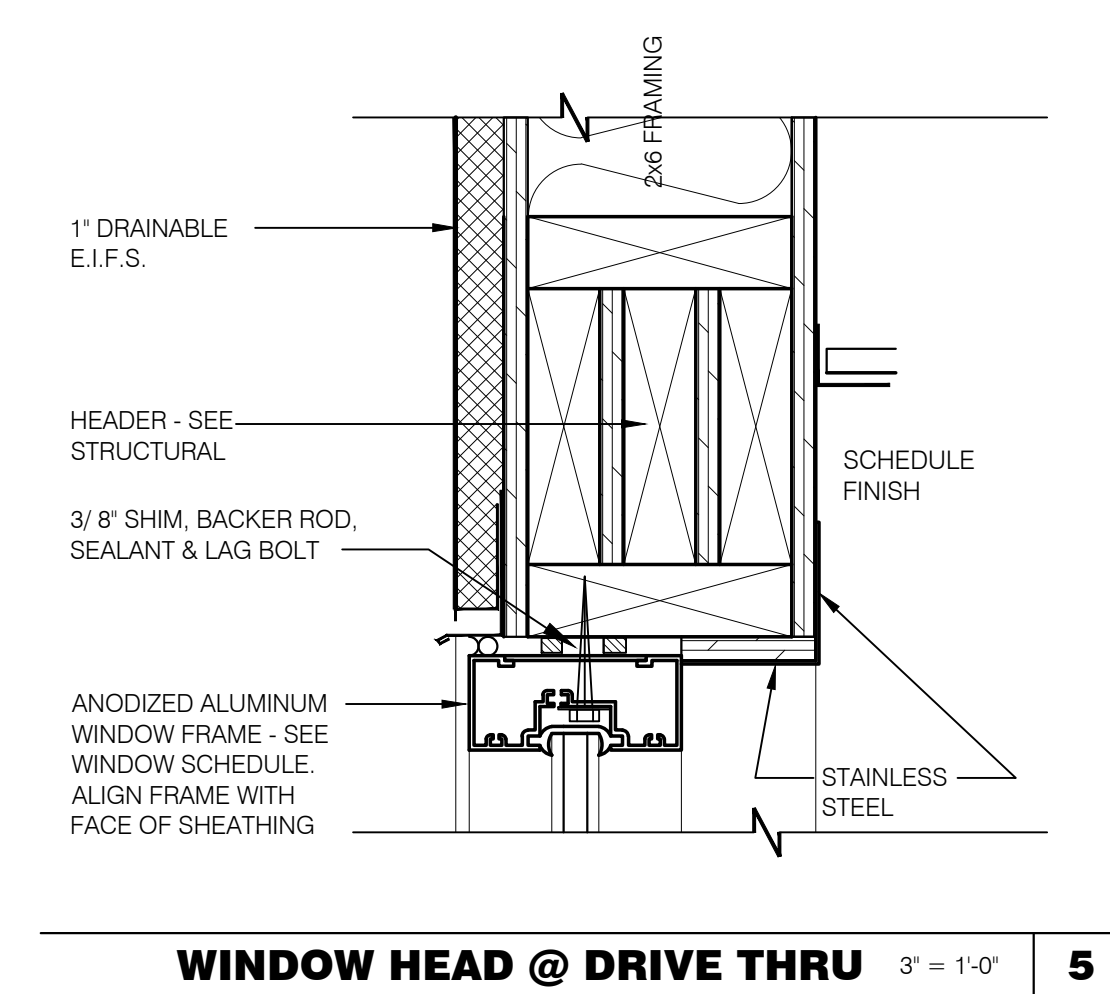
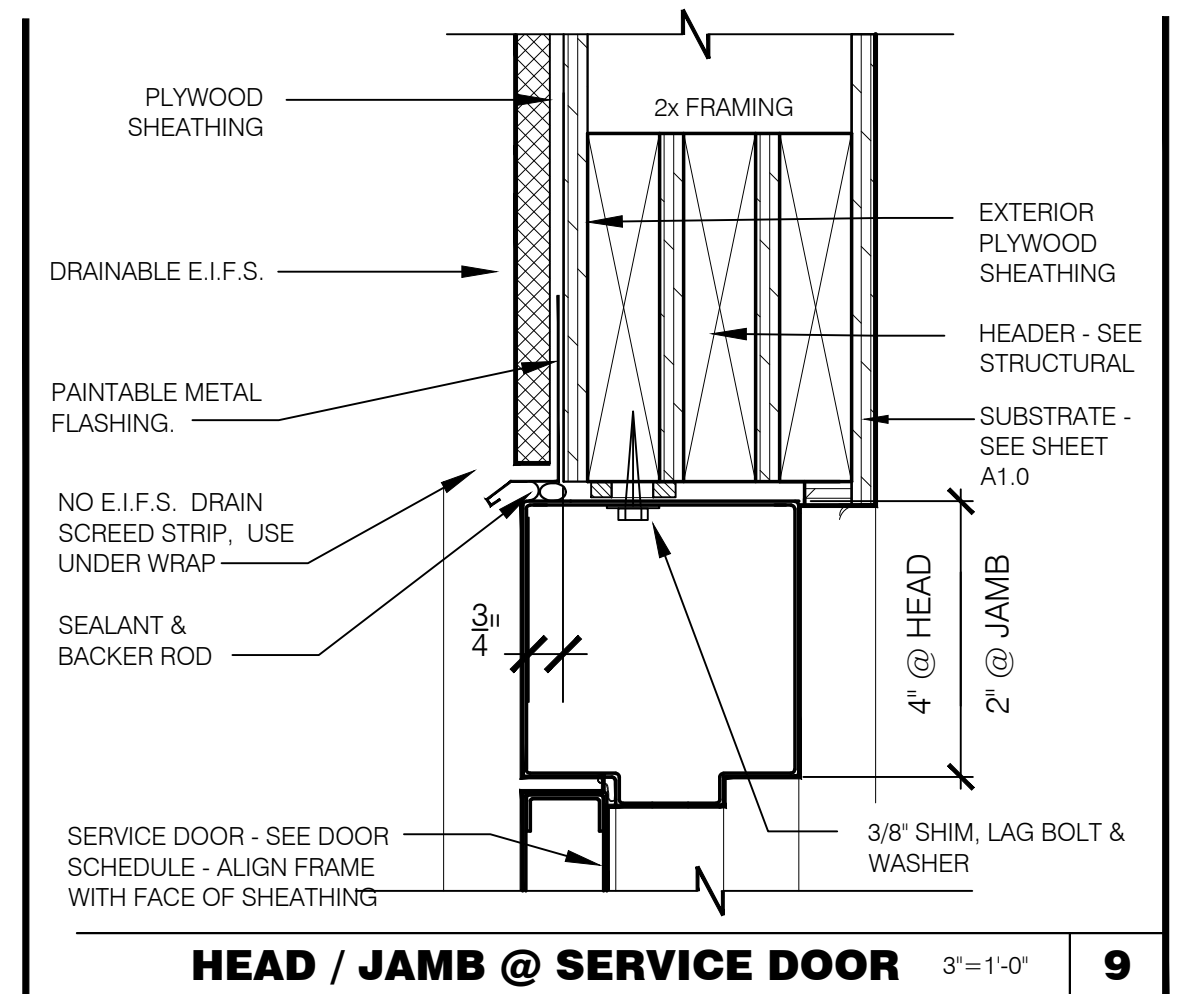
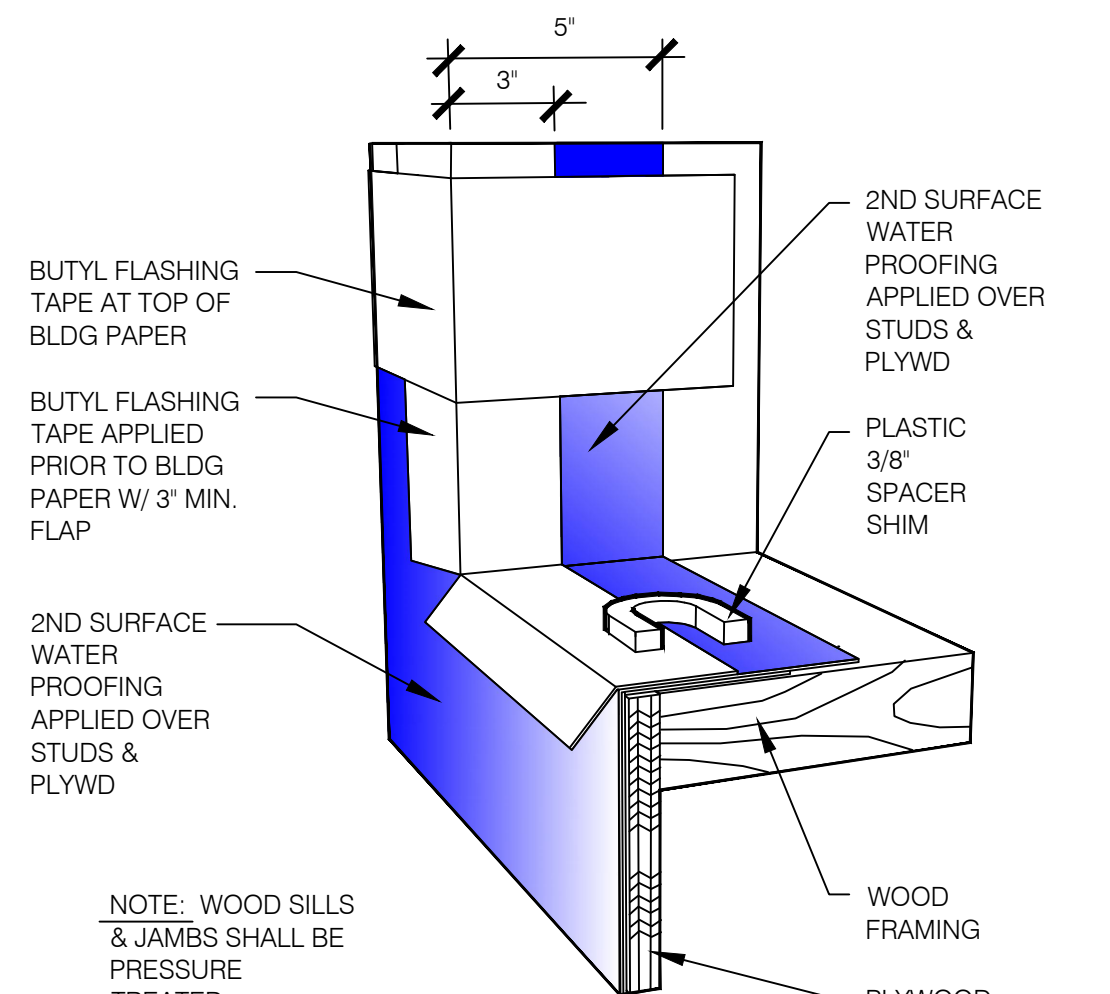
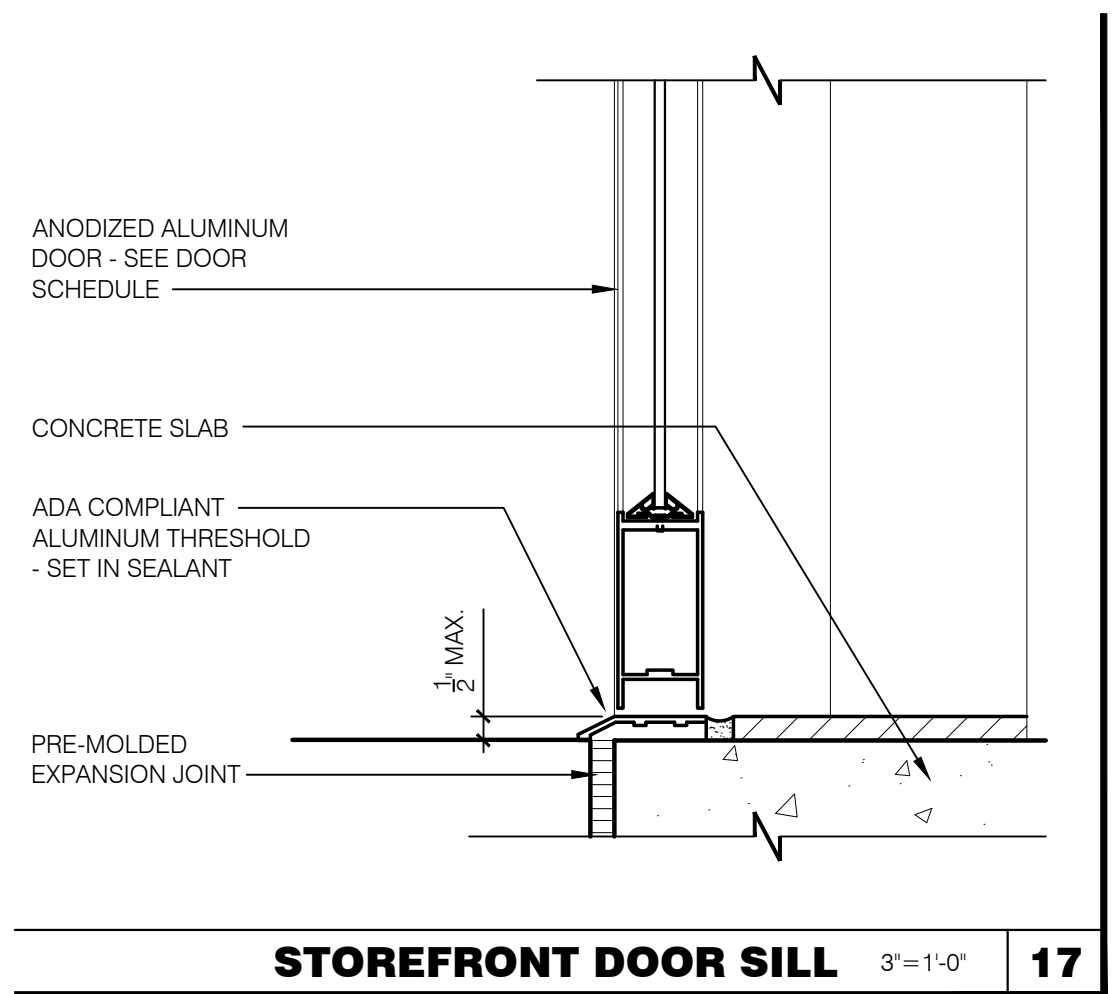
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



CONSTRUCTION DETAILS
ROOF
A6.0

PERMIT PLOT DATE:



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

REGISTERED ARCHITECT
 KATHLEEN DAY
 03.27.17

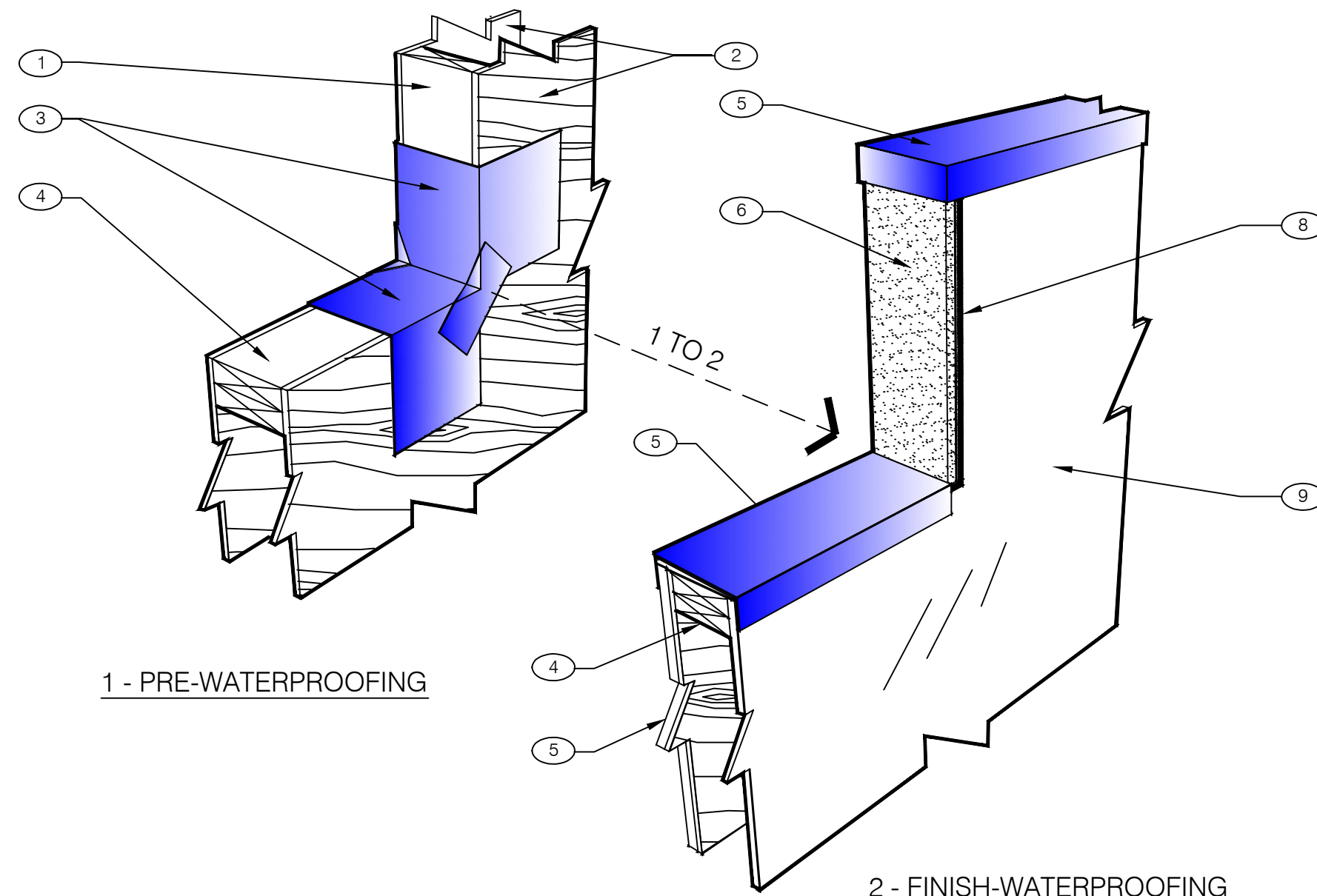
CONTRACT DATE:
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 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE

CONSTRUCTION DETAILS
 DOOR/WINDOW
A6.1

PERMIT PLOT DATE:

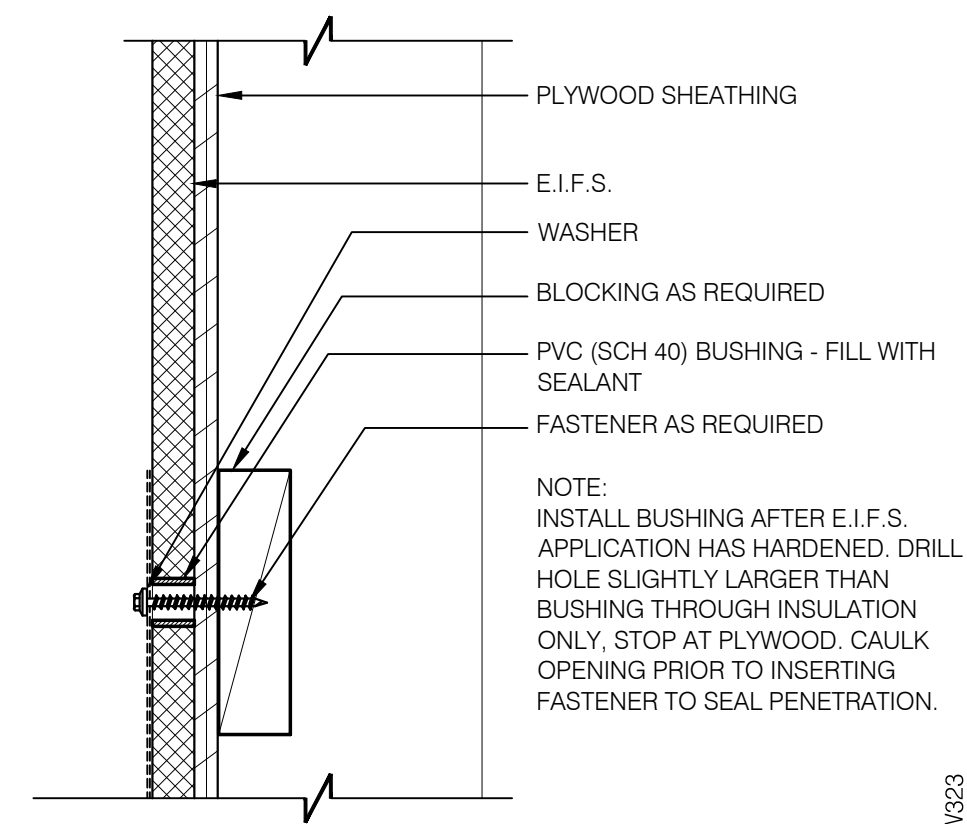


NOTES

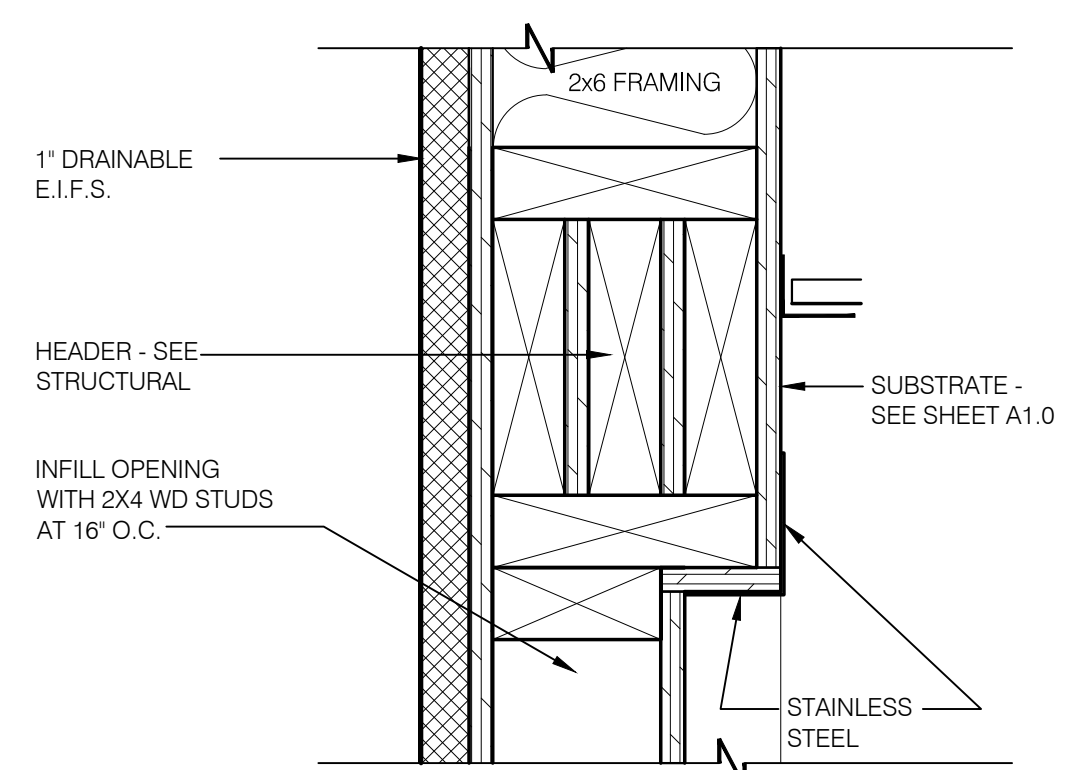
- 1 2X WOOD STUDS
- 2 PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
- 3 FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
- 4 DOUBLE 2X TOP PLATE.
- 5 PAINTED 24 GAUGE PARAPET COPING.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

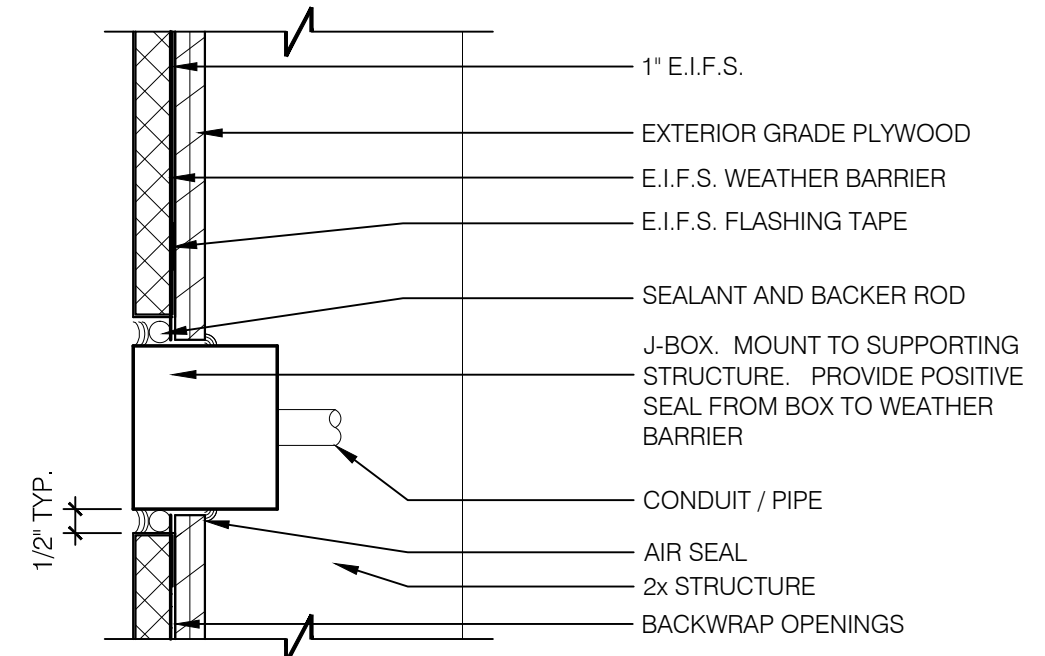
PARAPET CAP & TRANSITION N.T.S. **14**



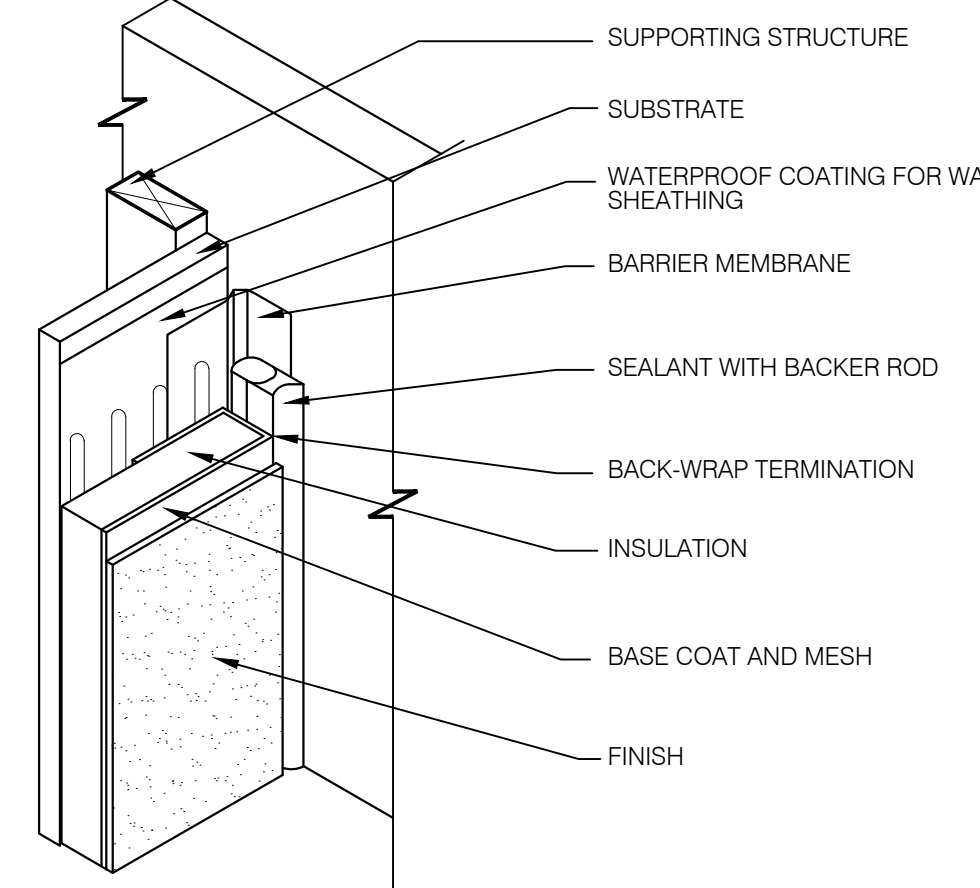
CONNECTION THRU EIFS 3" = 1'-0" **9**



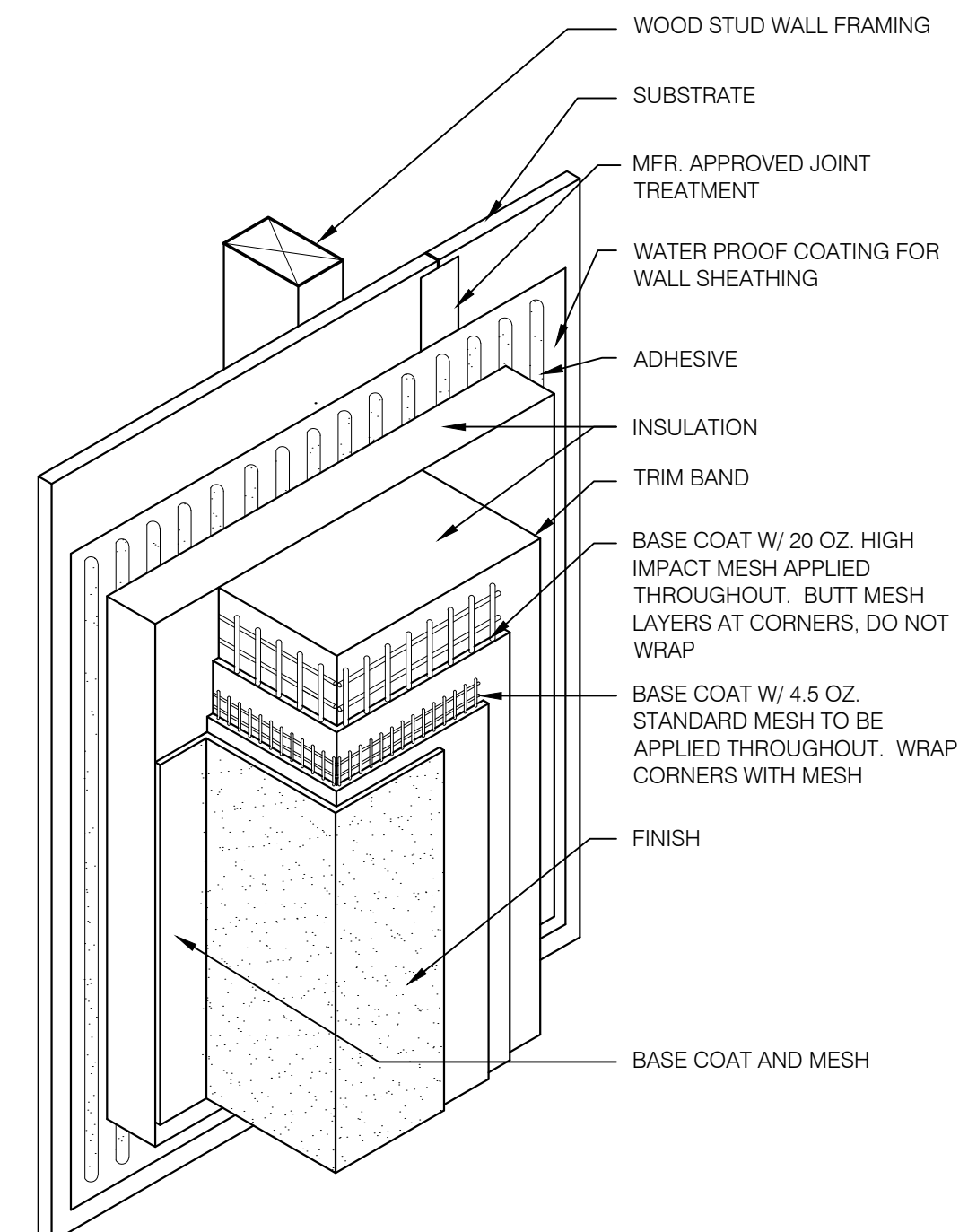
WINDOW HEAD @ PRE-PAY 3" = 1'-0" **10**



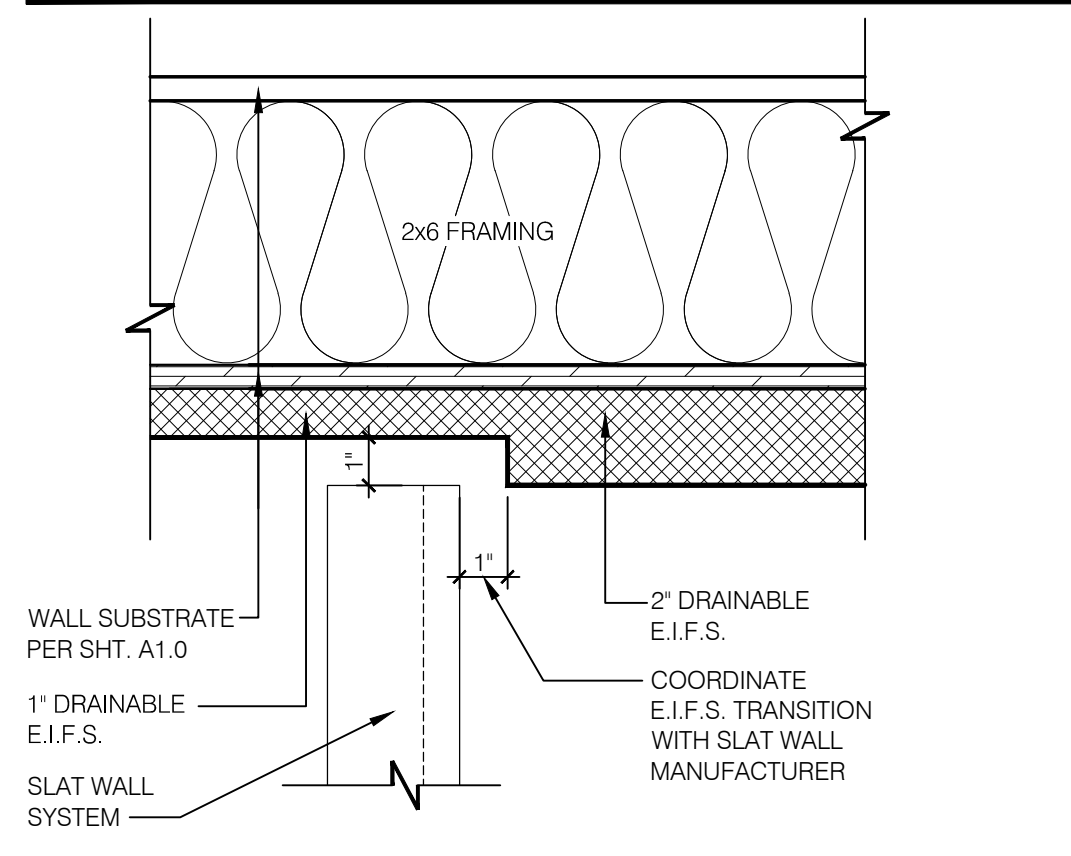
CO2 FILL / J-BOX IN EIFS 3" = 1'-0" **5**



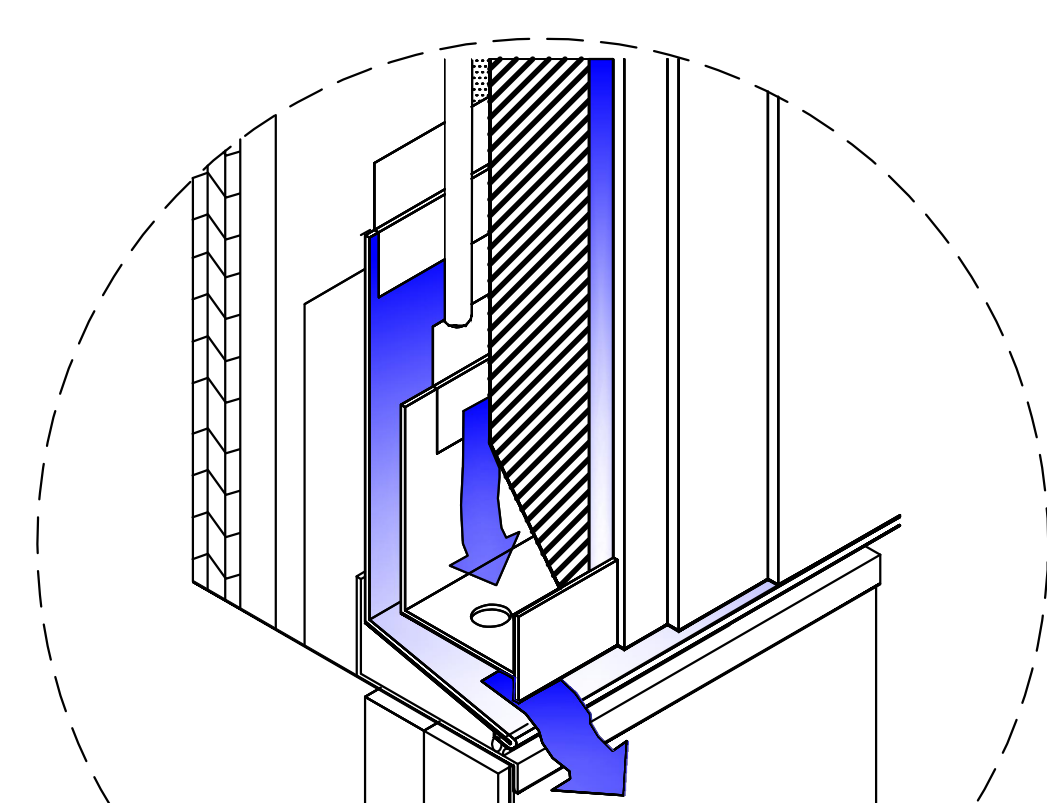
TYP. E.I.F.S. @ INSIDE CORNER N.T.S. **6**



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

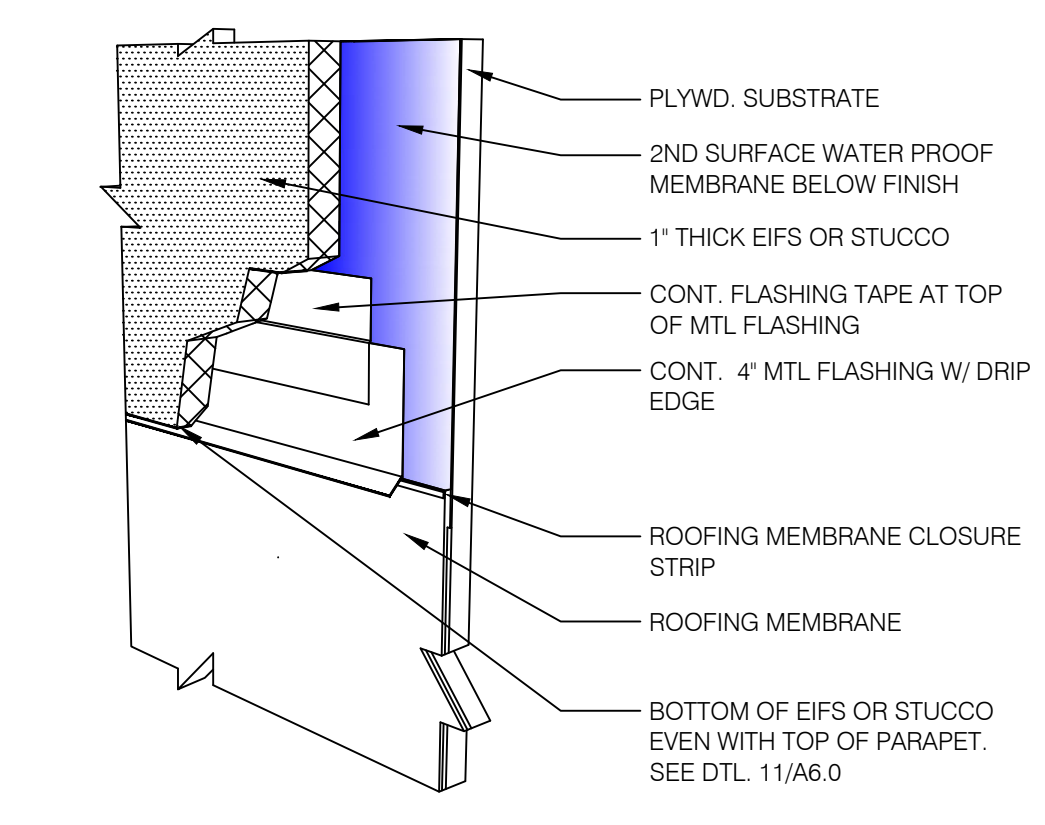
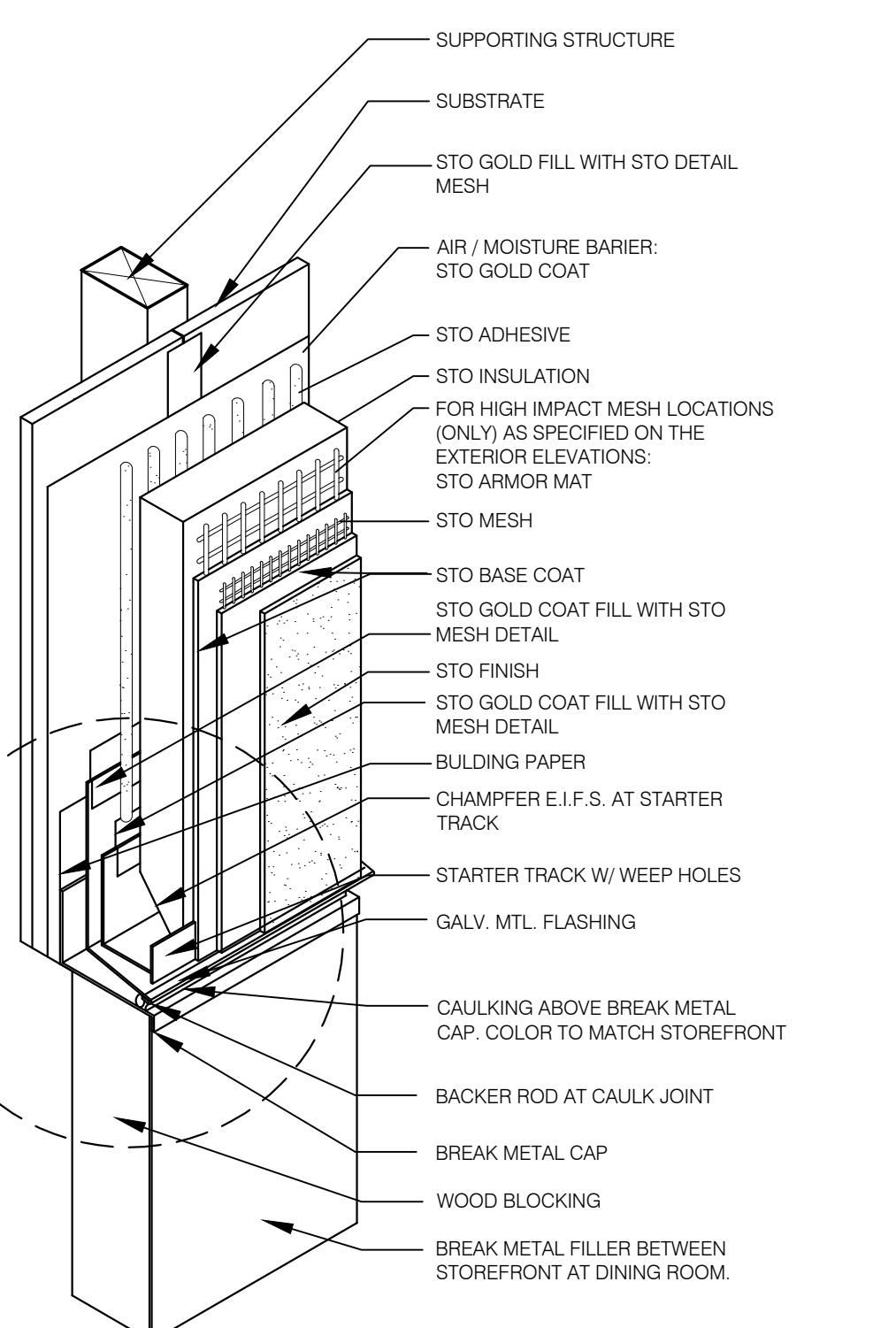


E.I.F.S. TRANSITION @ SLAT WALL 3" = 1'-0" **19**

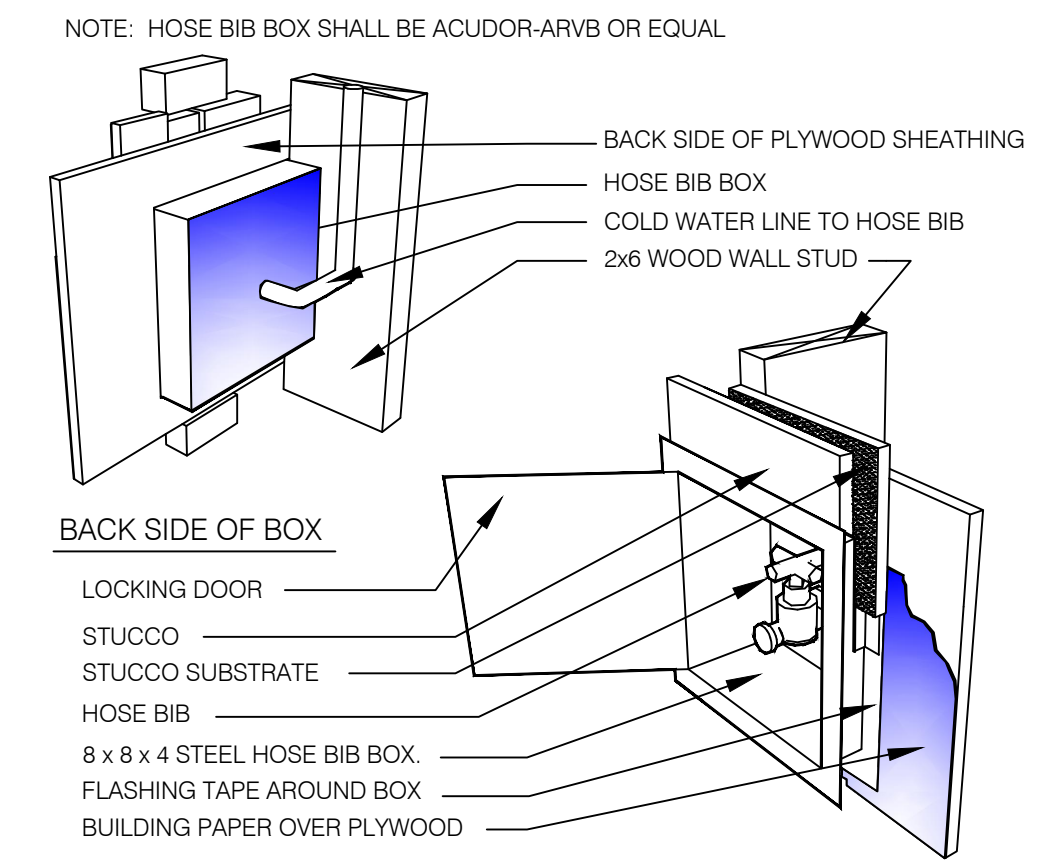


NOTE: E.I.F.S. DETAILS ARE INTENDED TO BE GENERIC. MANUFACTURER'S DETAILS AND RECOMMENDATIONS SHOULD BE FOLLOWED. REFER TO SECTION 07240 OF THE SPECIFICATIONS MANUAL.

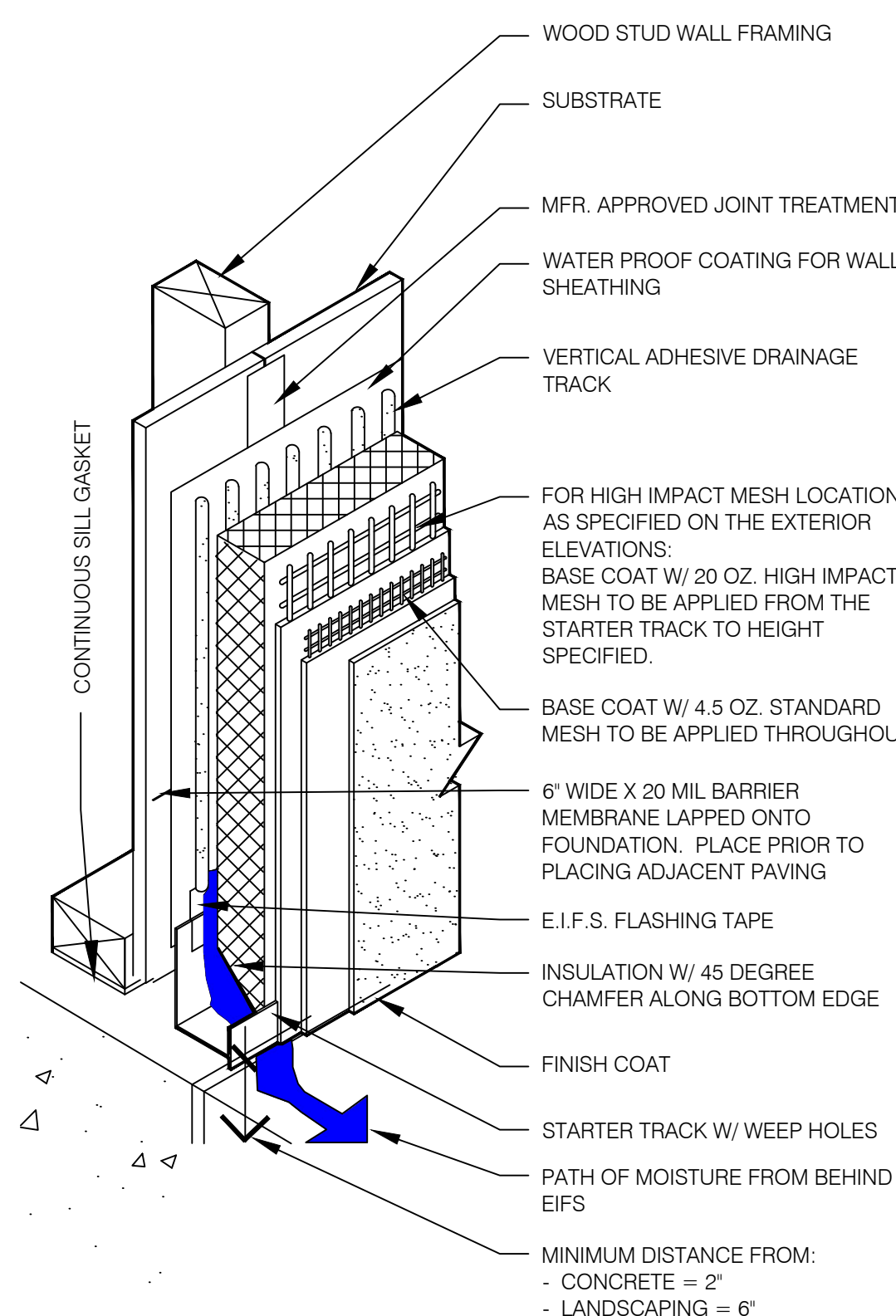
E.I.F.S FLASHING AT TOP OF BREAK METAL **12**



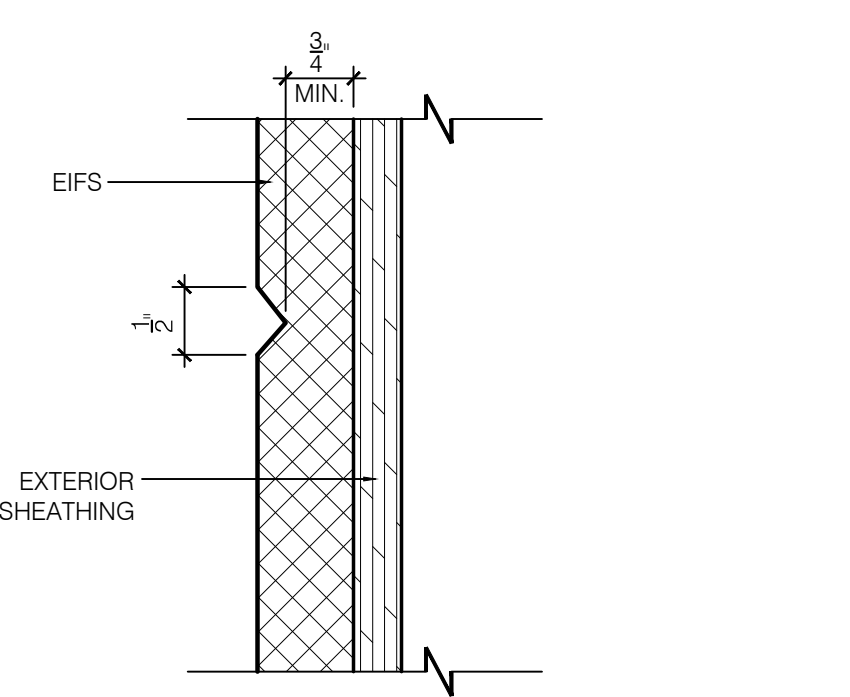
E.I.F.S. TO BASE FLASHING N.T.S. **7**



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



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



E.I.F.S. V-GROOVE N.T.S. **20**

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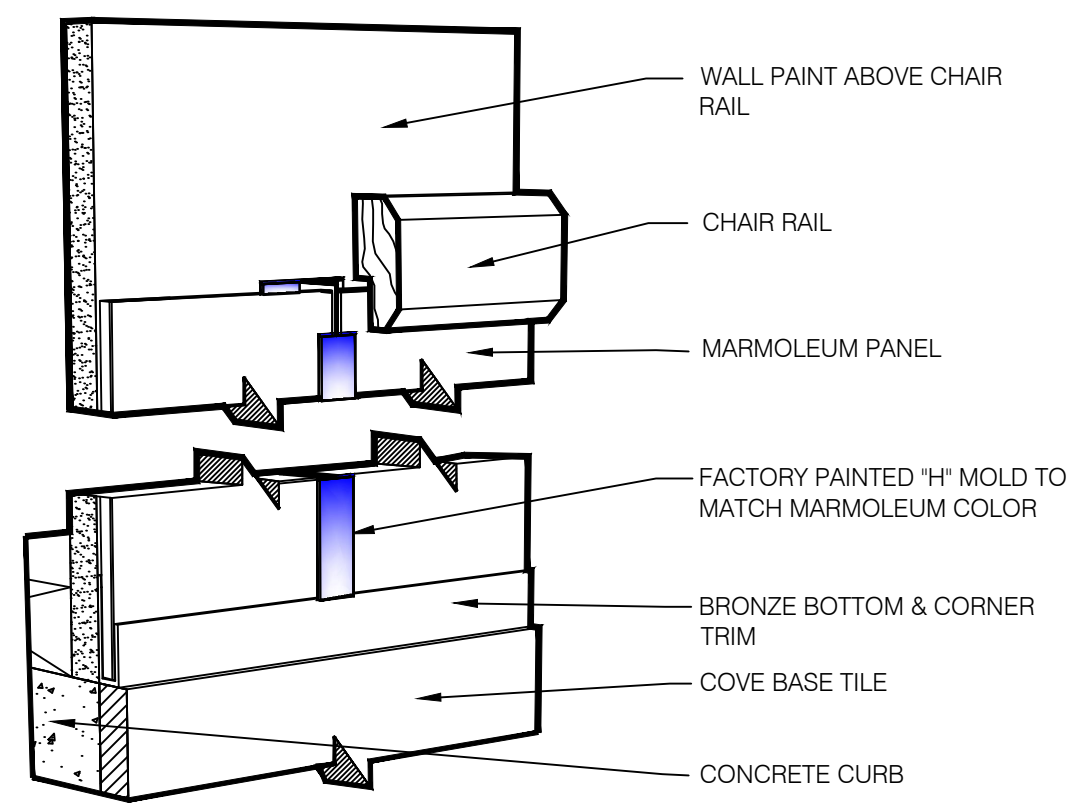
CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065

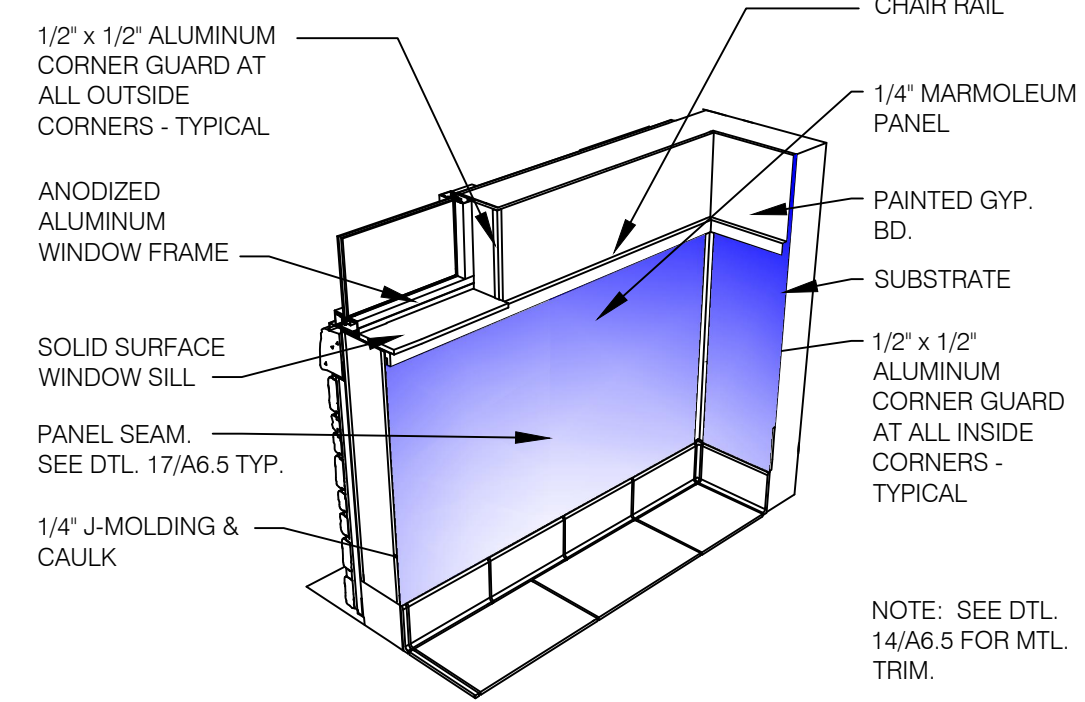
TACO BELL
LIVE MAS
LARGE50 - REVERSE
CONST. DETAILS WALL

A6.2

PERMIT PLOT DATE:

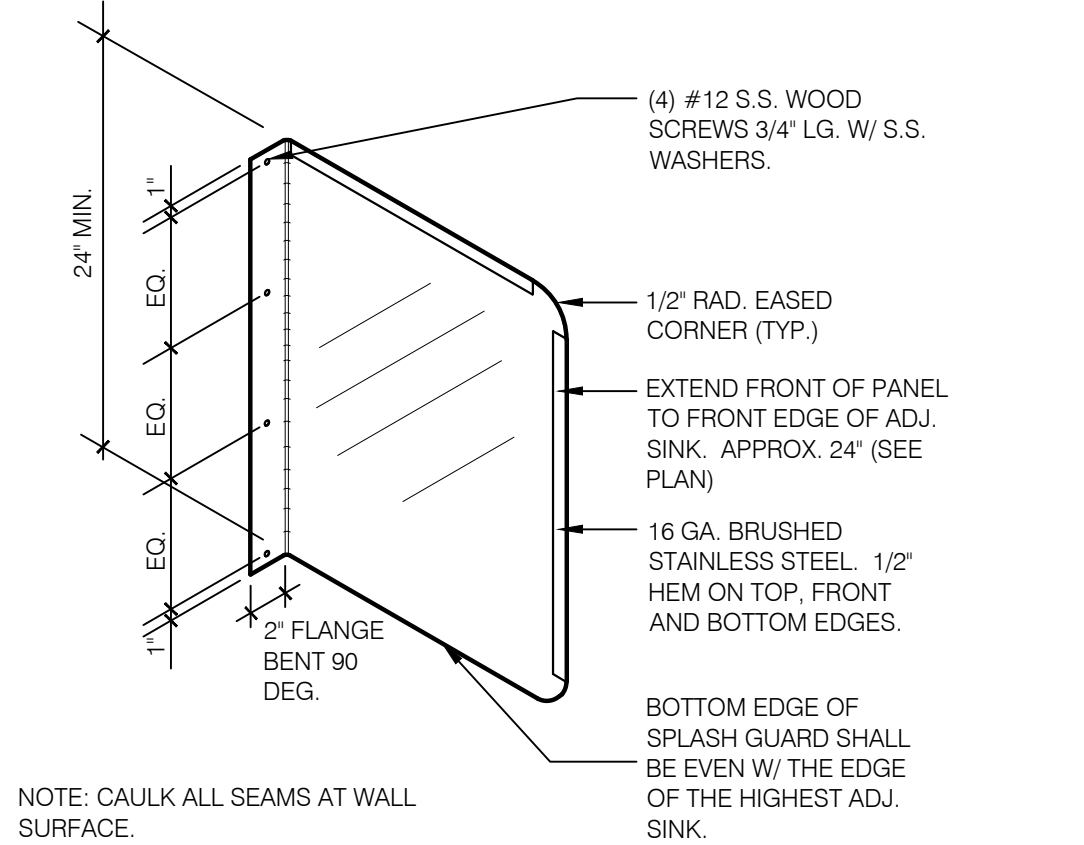


MARMOLEUM TRIM DETAIL N.T.S. **17**

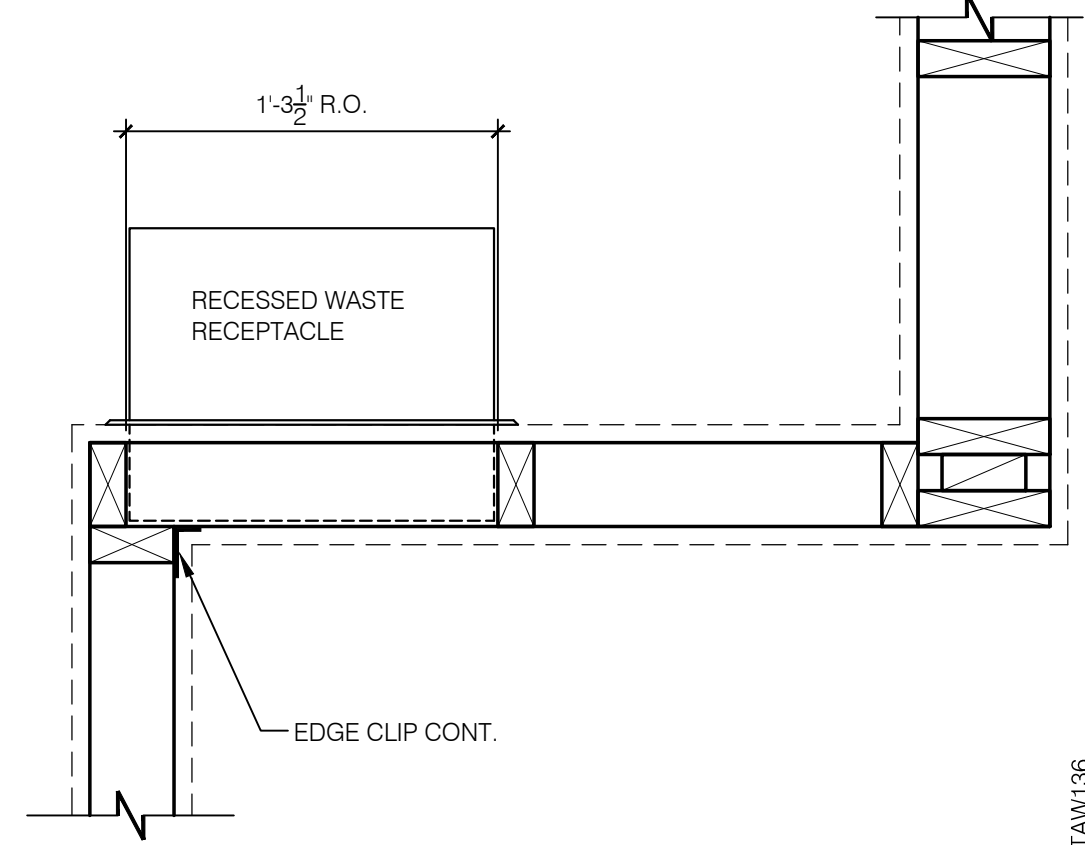


NOTE: THE MARMOLEUM PANELS, CHAIR RAIL, & PAINTED MTL TRIM ARE PROVIDED BY THE DECOR VENDOR. THE GC SHALL INSTALL PANELS TO THE WALL SUBSTRATE WITH ROLLED ON CONTACT GLUE. SEE SCOPE OF WORK.

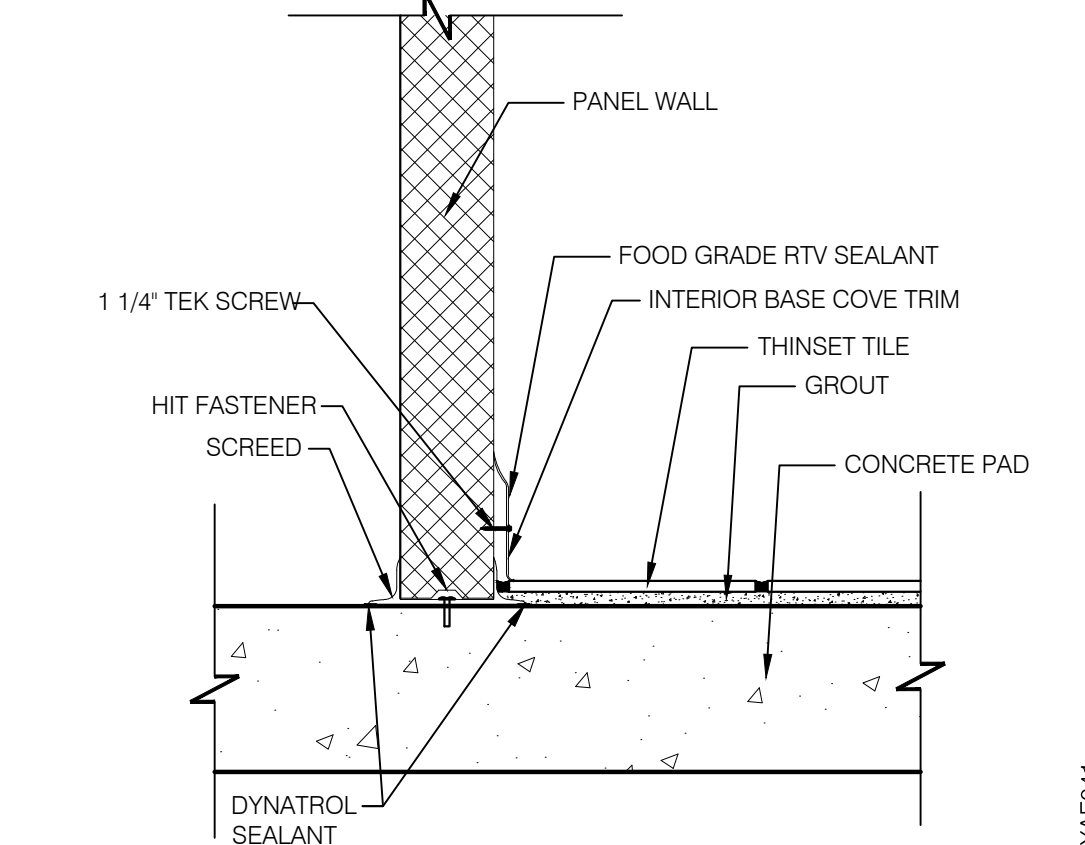
MARMOLEUM ATTACHMENT DETAIL N.T.S. **13**



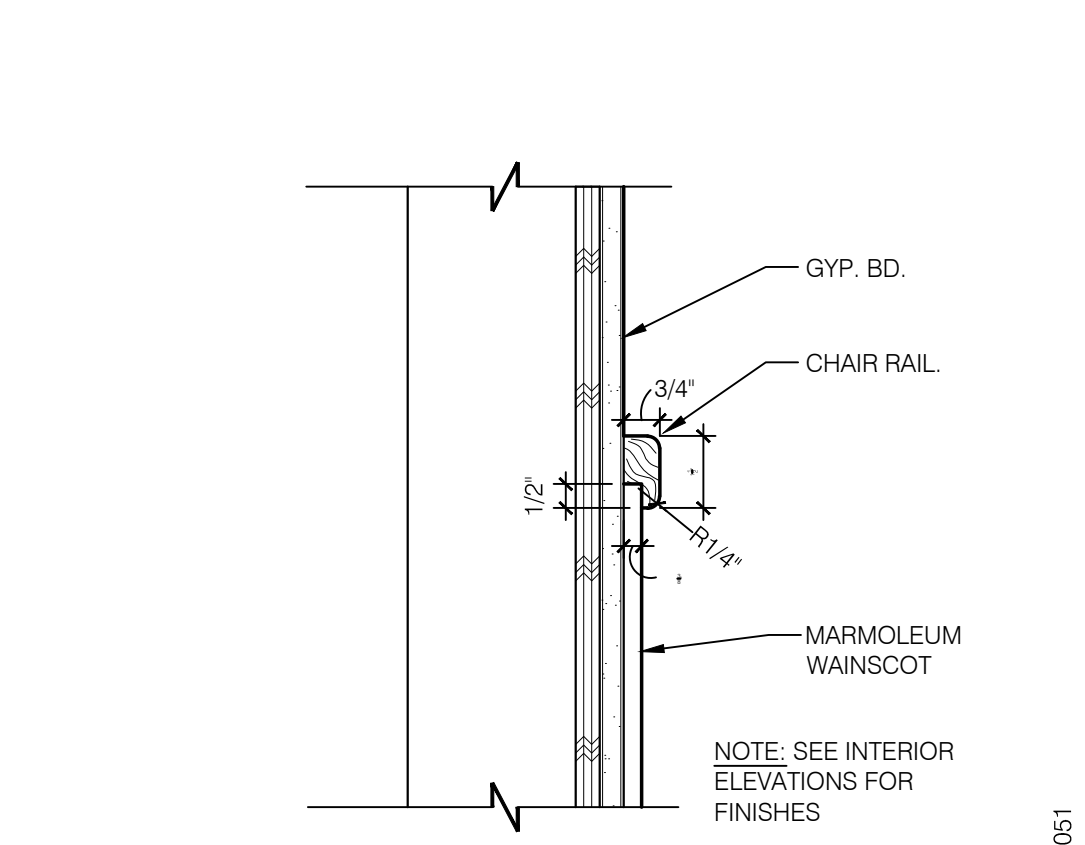
SPLASH GUARD 1' = 1'-0" **9**



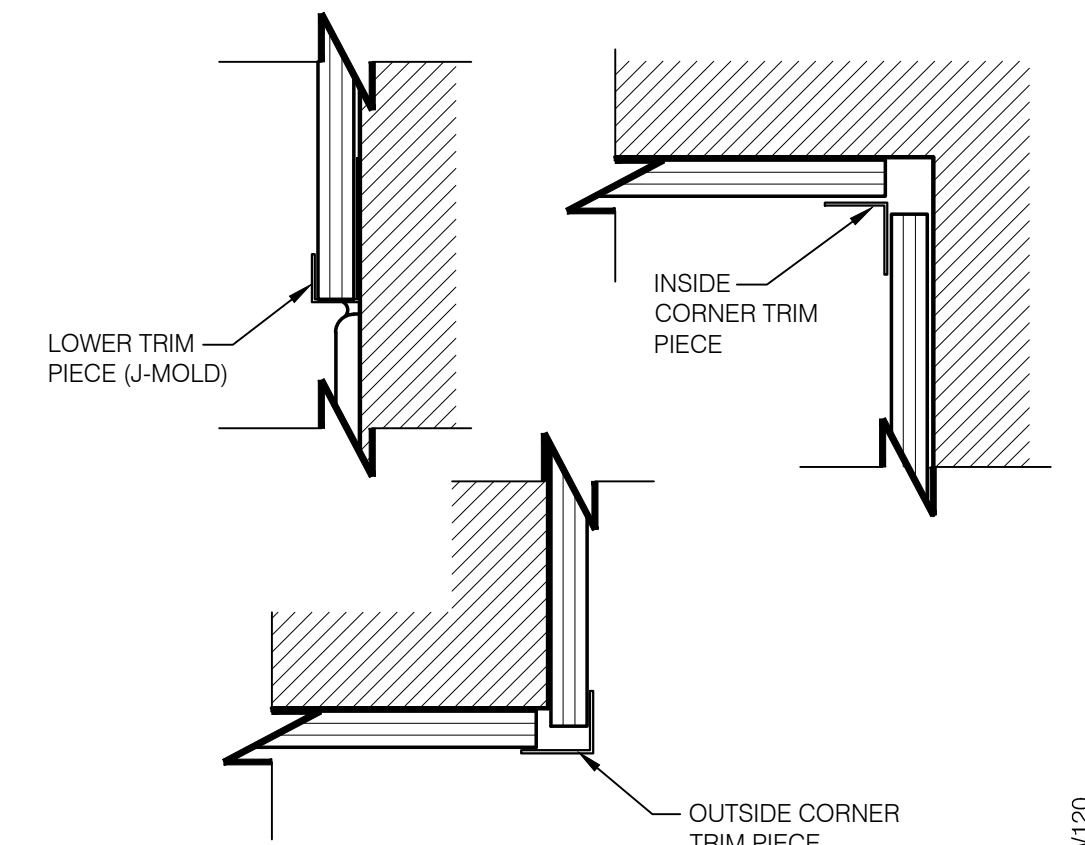
WALL CORNER @ WASTE RECEP. 1-1/2' = 1'-0" **5**



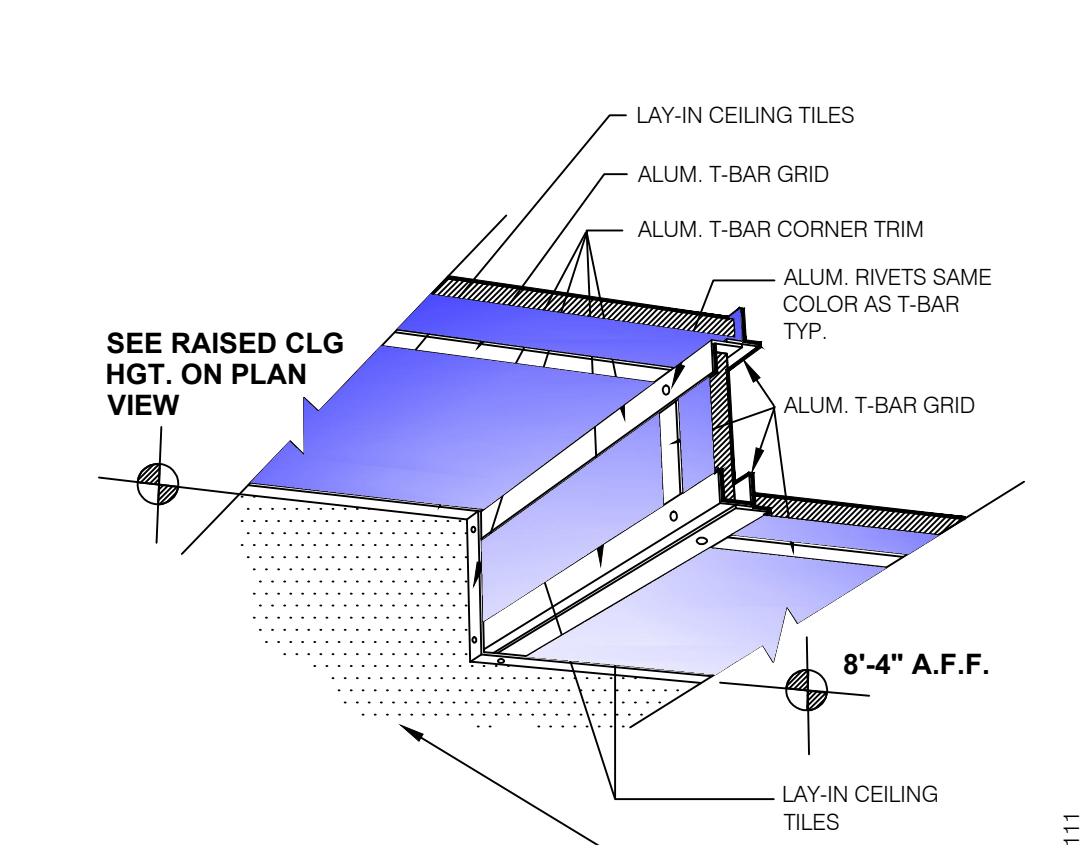
WALK-IN TILE/BASE 1-1/2' = 1'-0" **1**



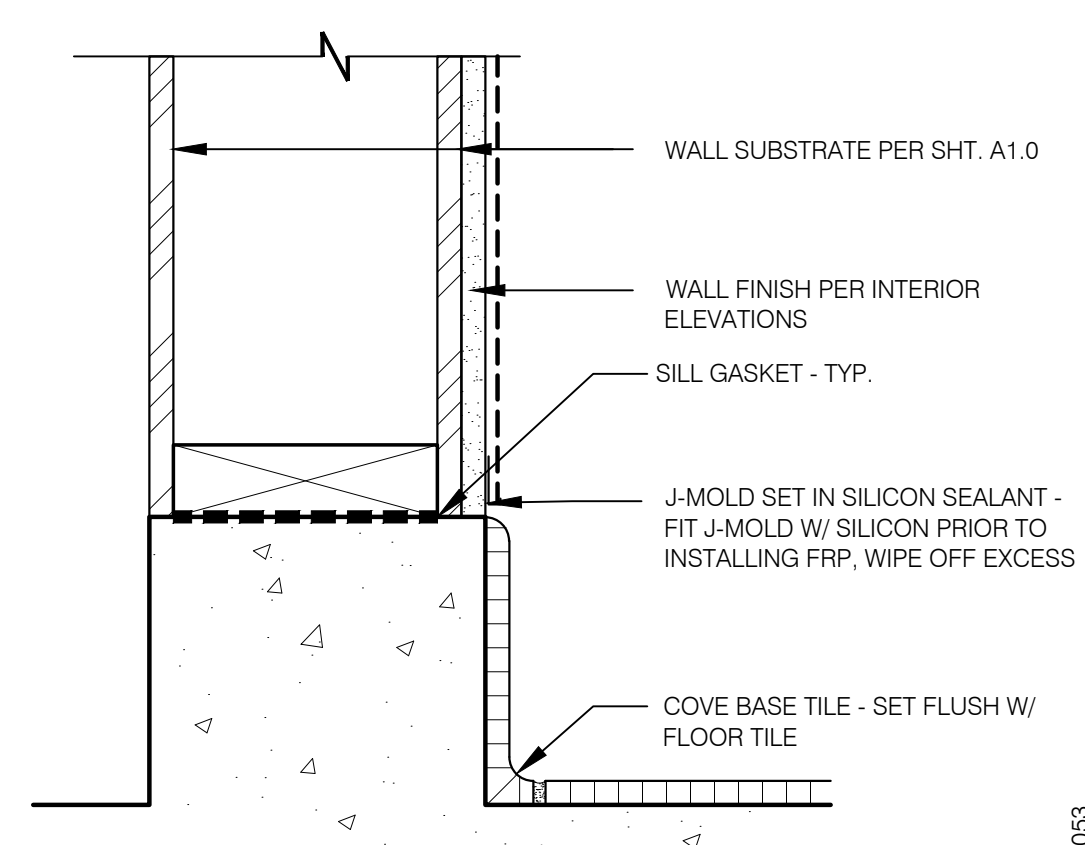
SECTION AT CHAIR RAIL 3' = 1'-0" **18**



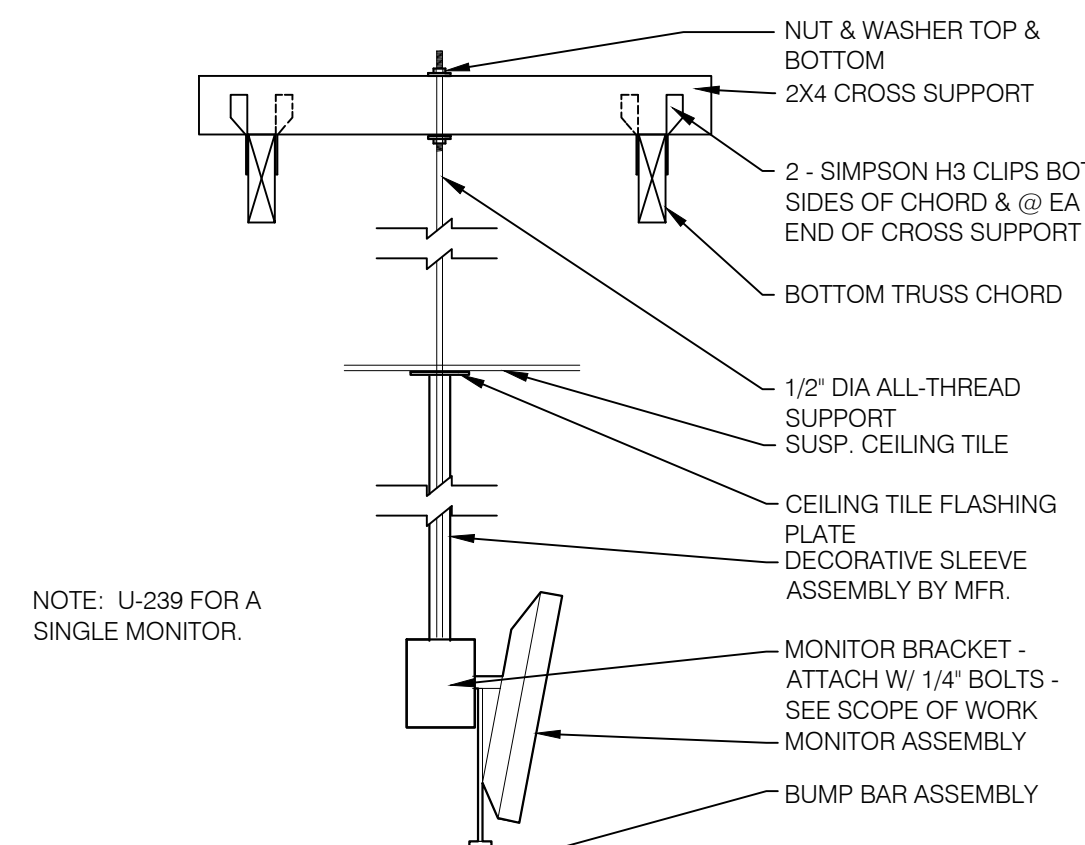
MARMOLEUM TRIM DETAILS 6' = 1'-0" **14**



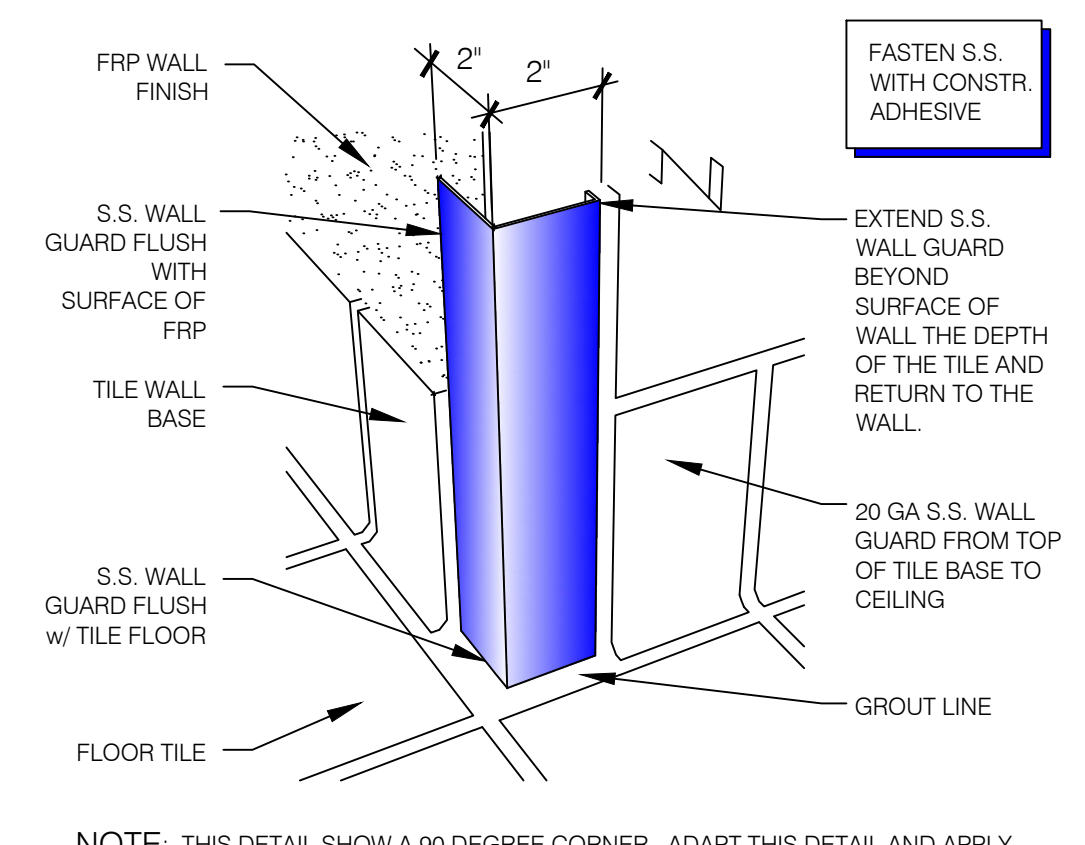
CEILING POCKET N.T.S. **10**



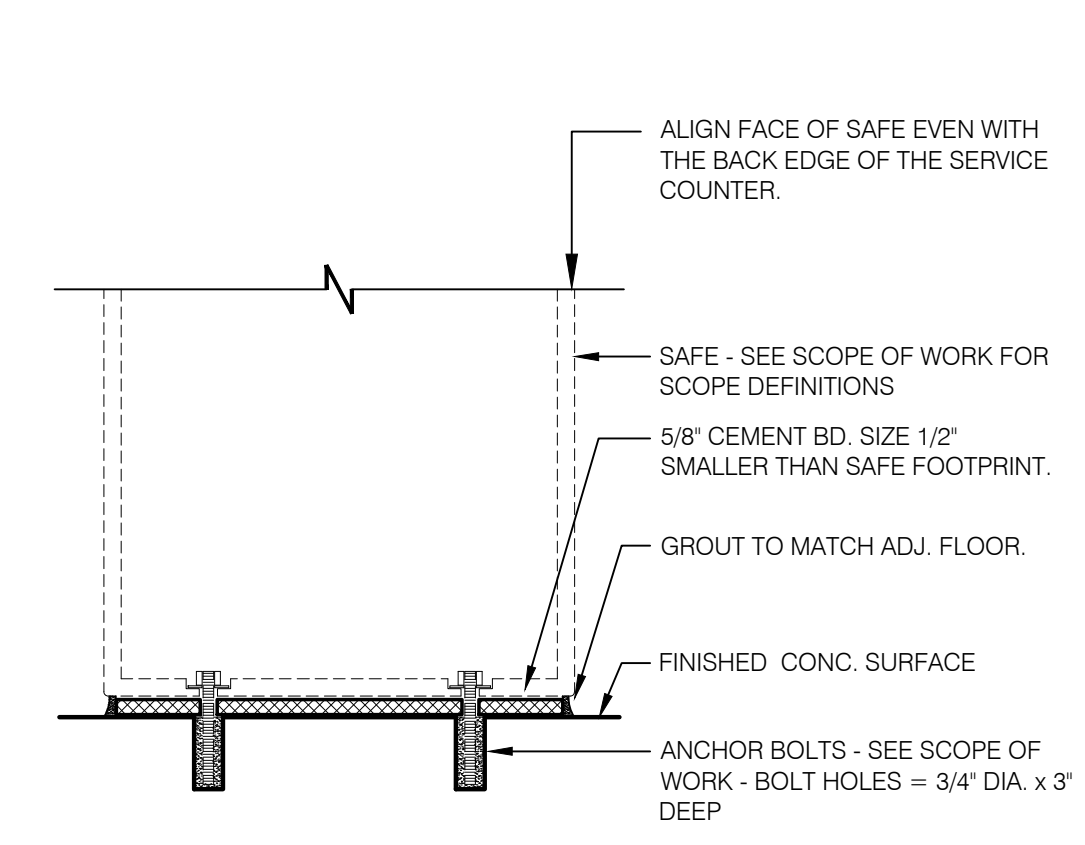
BASE @ DINING EXT. FRONT WALL 3' = 1'-0" **6**



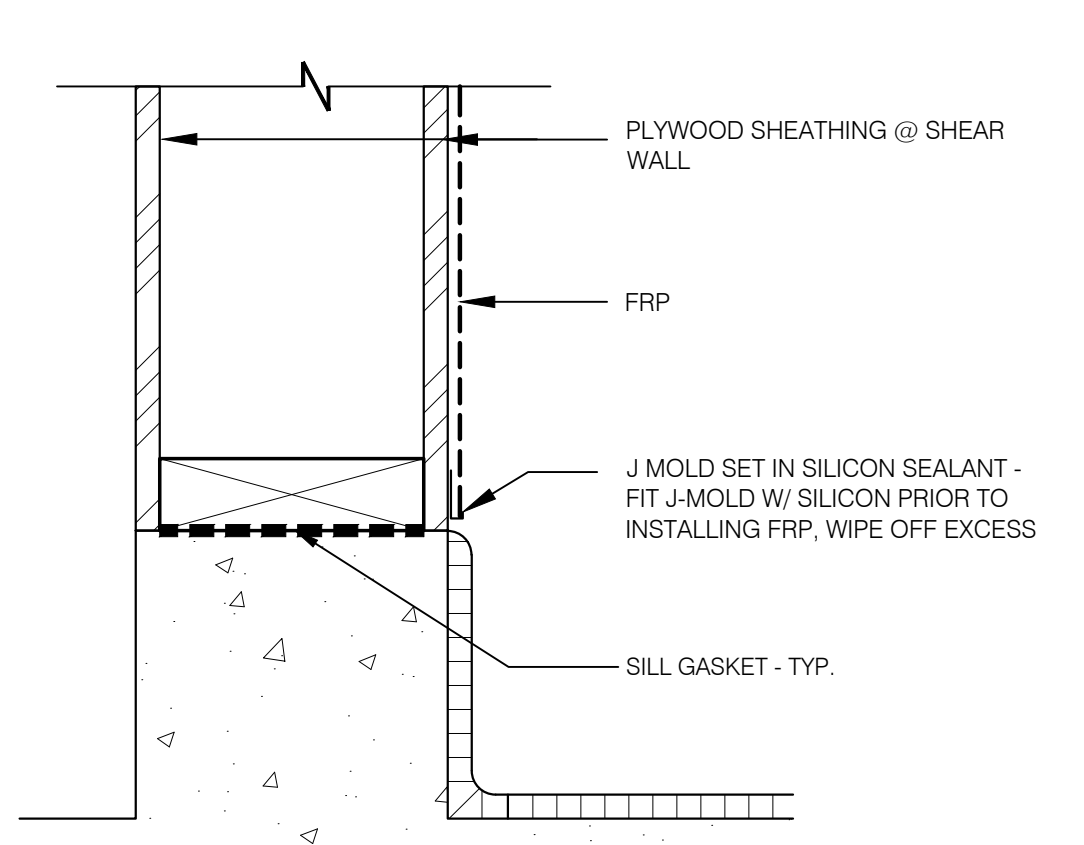
CEILING MOUNT MONITOR BRACKET N.T.S. **2**



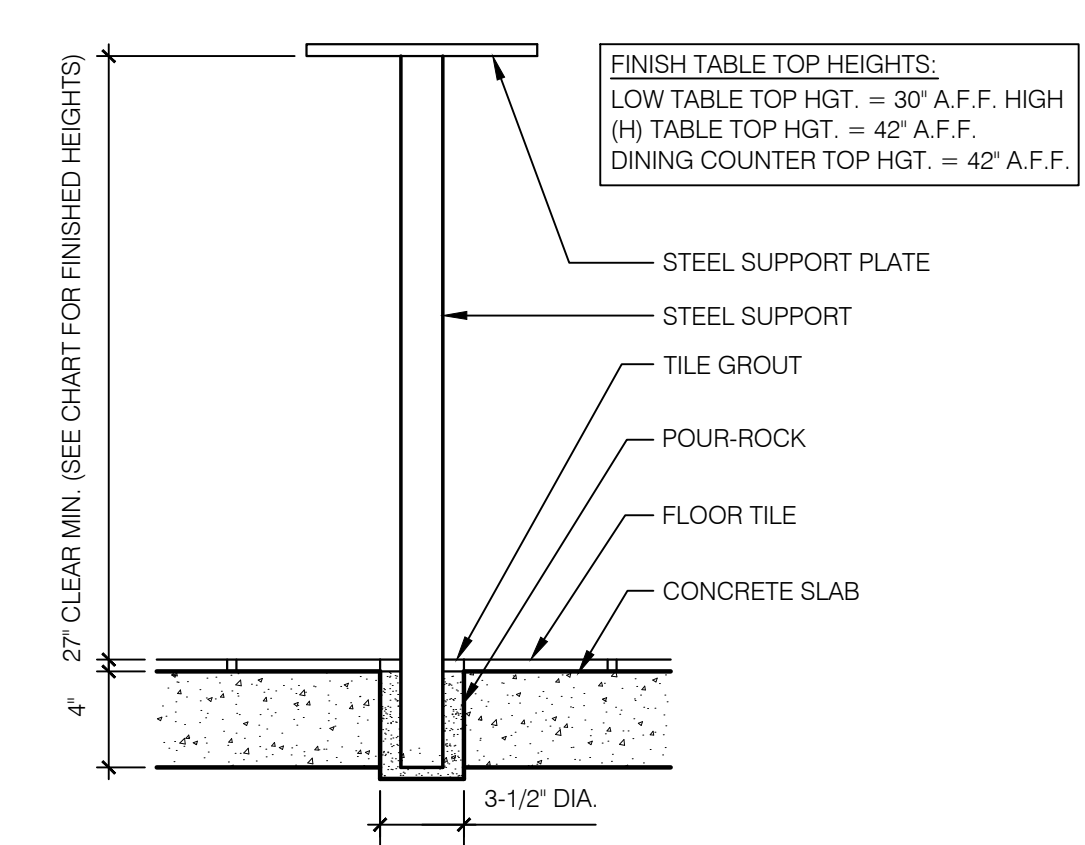
S.S. CORNER & END WALL GUARD N.T.S. **19**



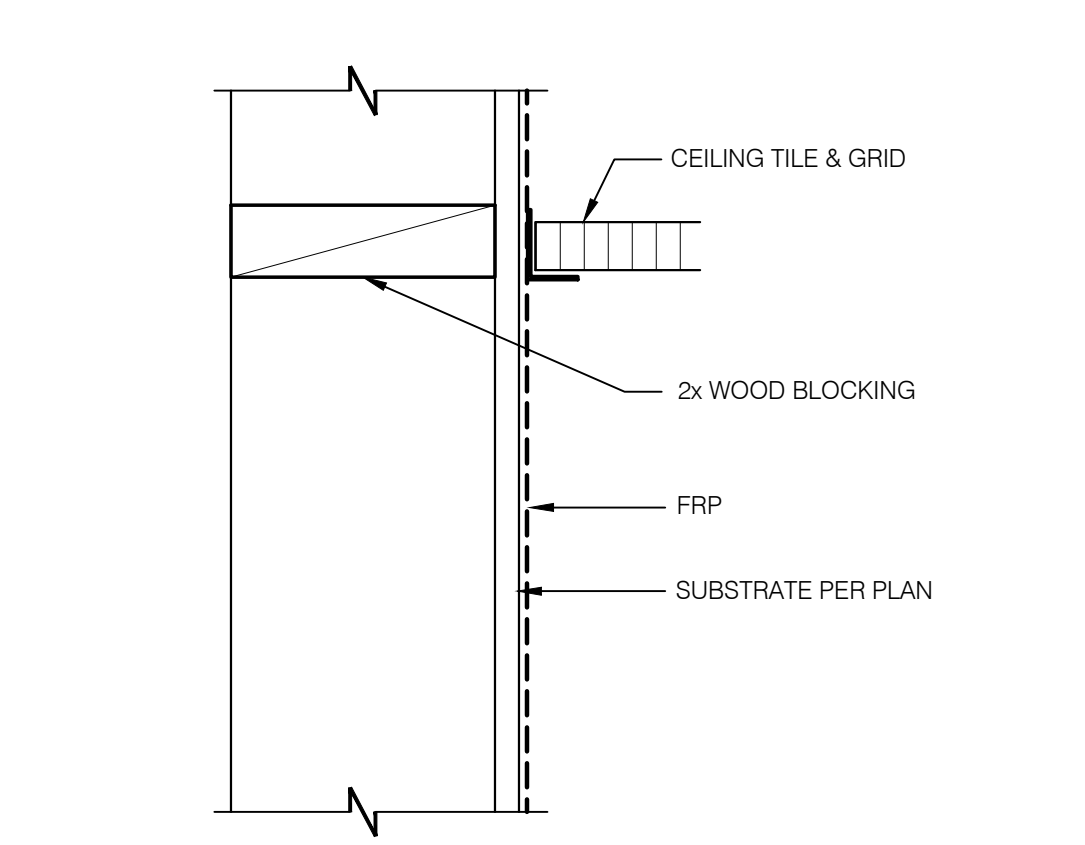
SAFE PEDESTAL 1' = 1'-0" **15**



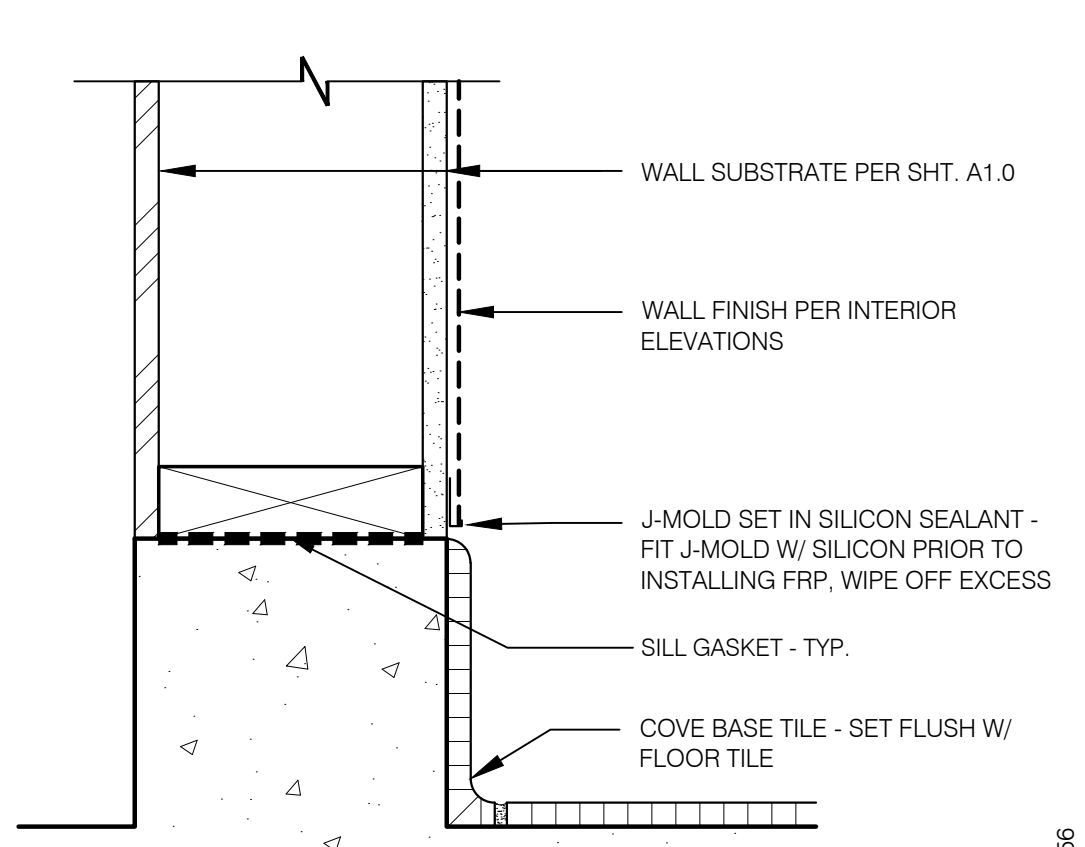
BASE @ KITCHEN EXT. REAR WALL 3' = 1'-0" **11**



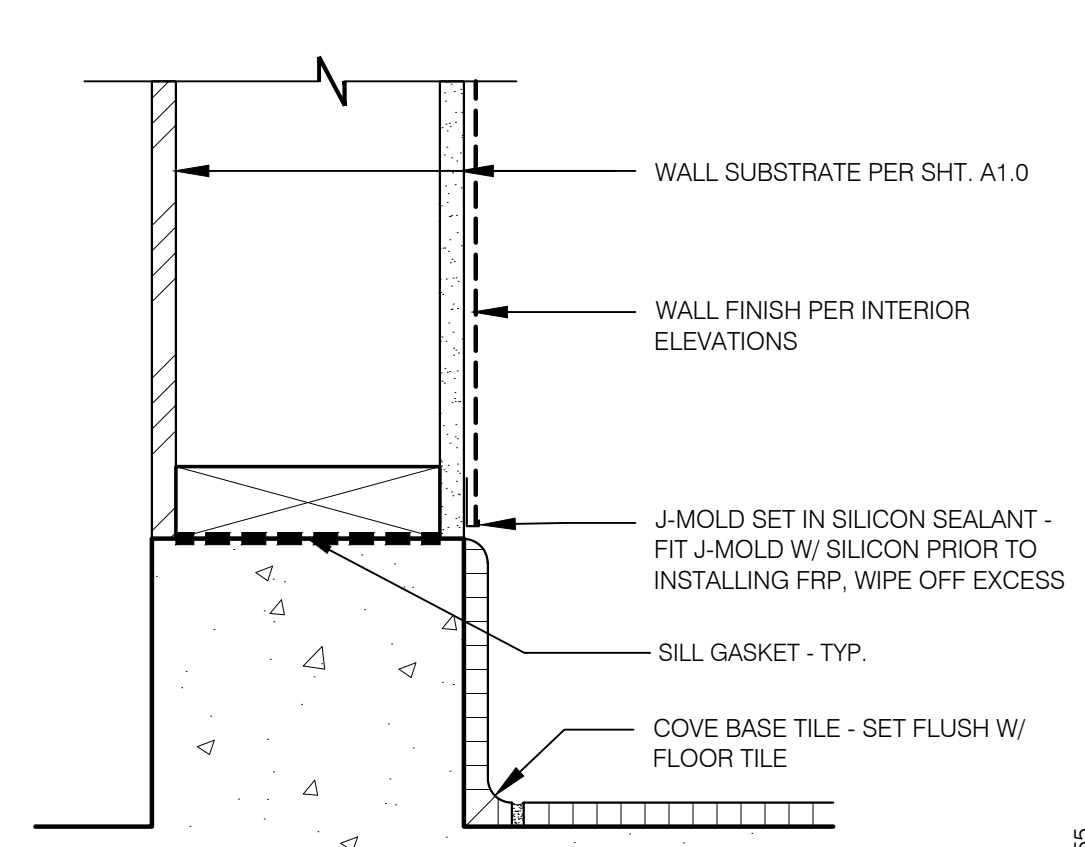
CORE DRILL 1 1/2' = 1'-0" **7**



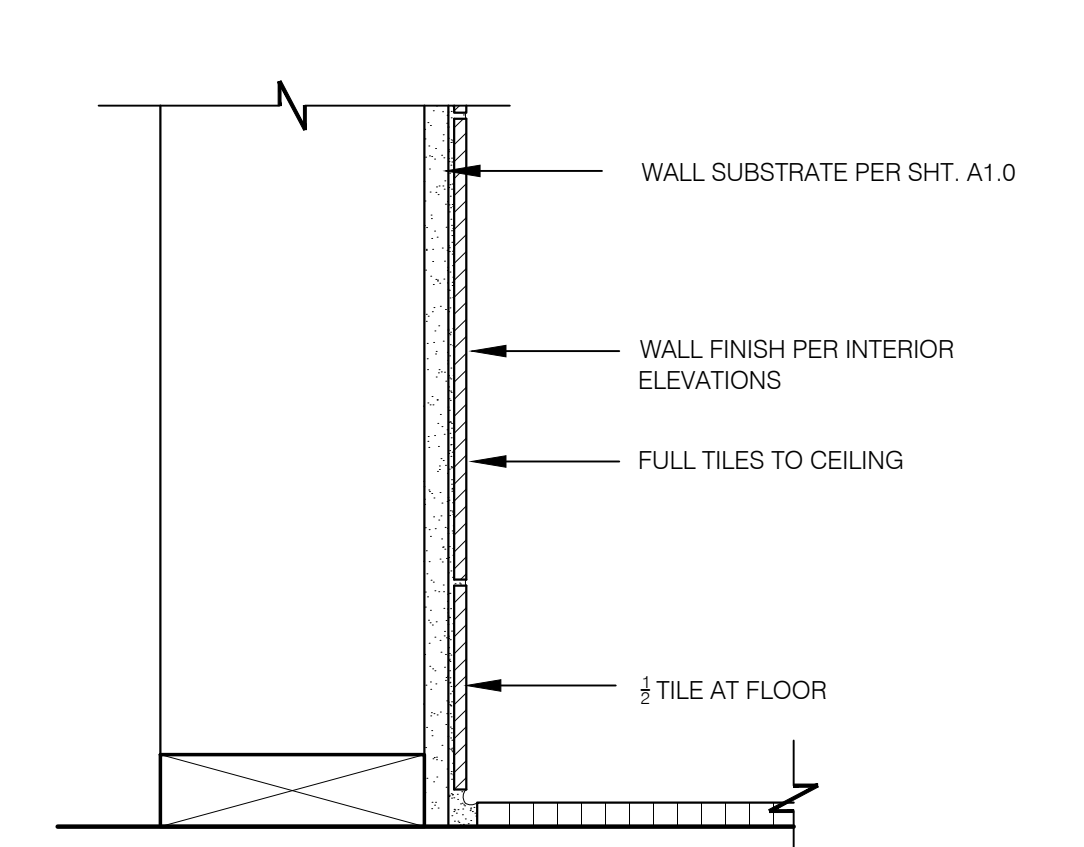
KITCHEN FINISH @ CEILING 3' = 1'-0" **3**



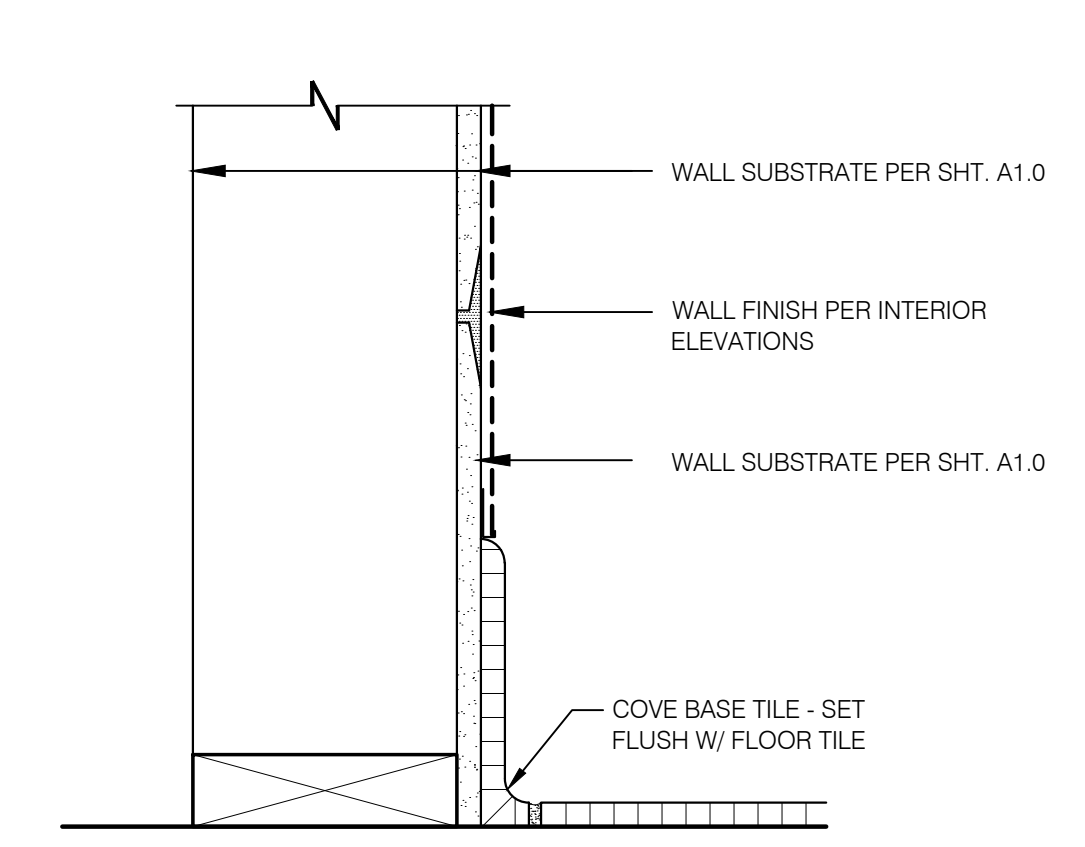
BASE @ KITCHEN EXT. SIDE WALLS 3' = 1'-0" **20**



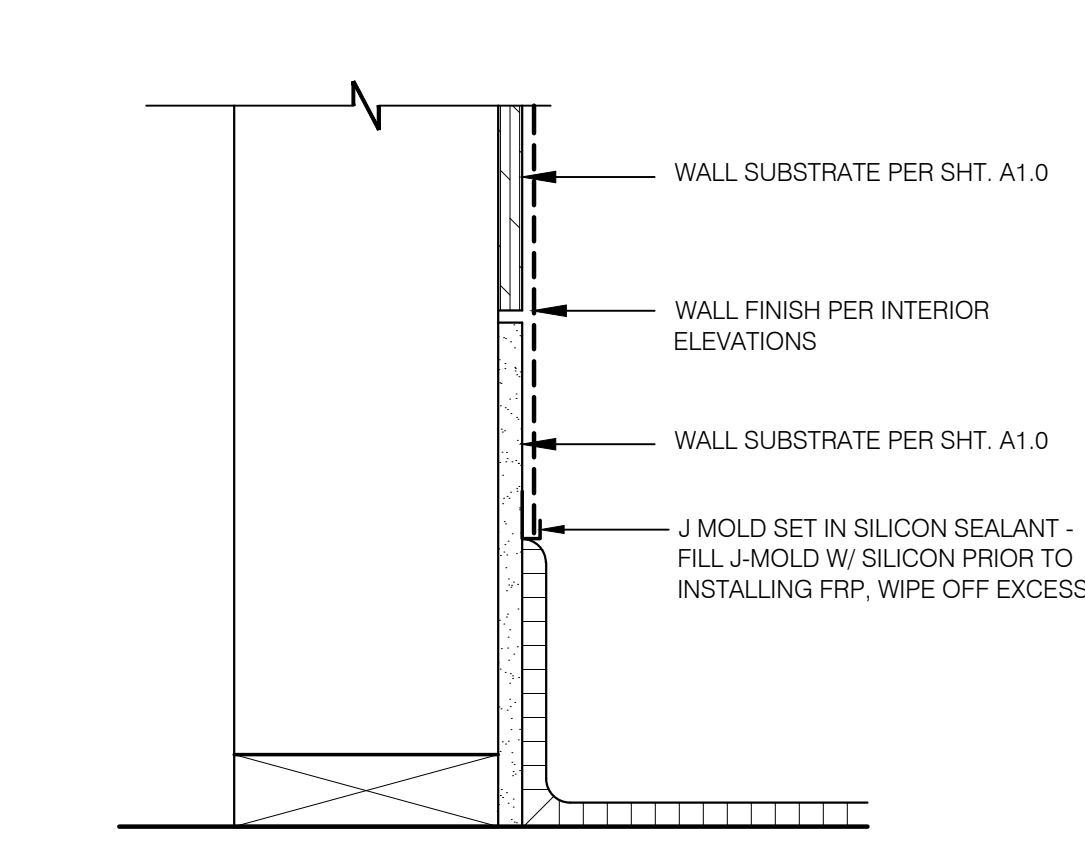
BASE @ DINING EXT. SIDE WALLS 3' = 1'-0" **16**



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



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



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

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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

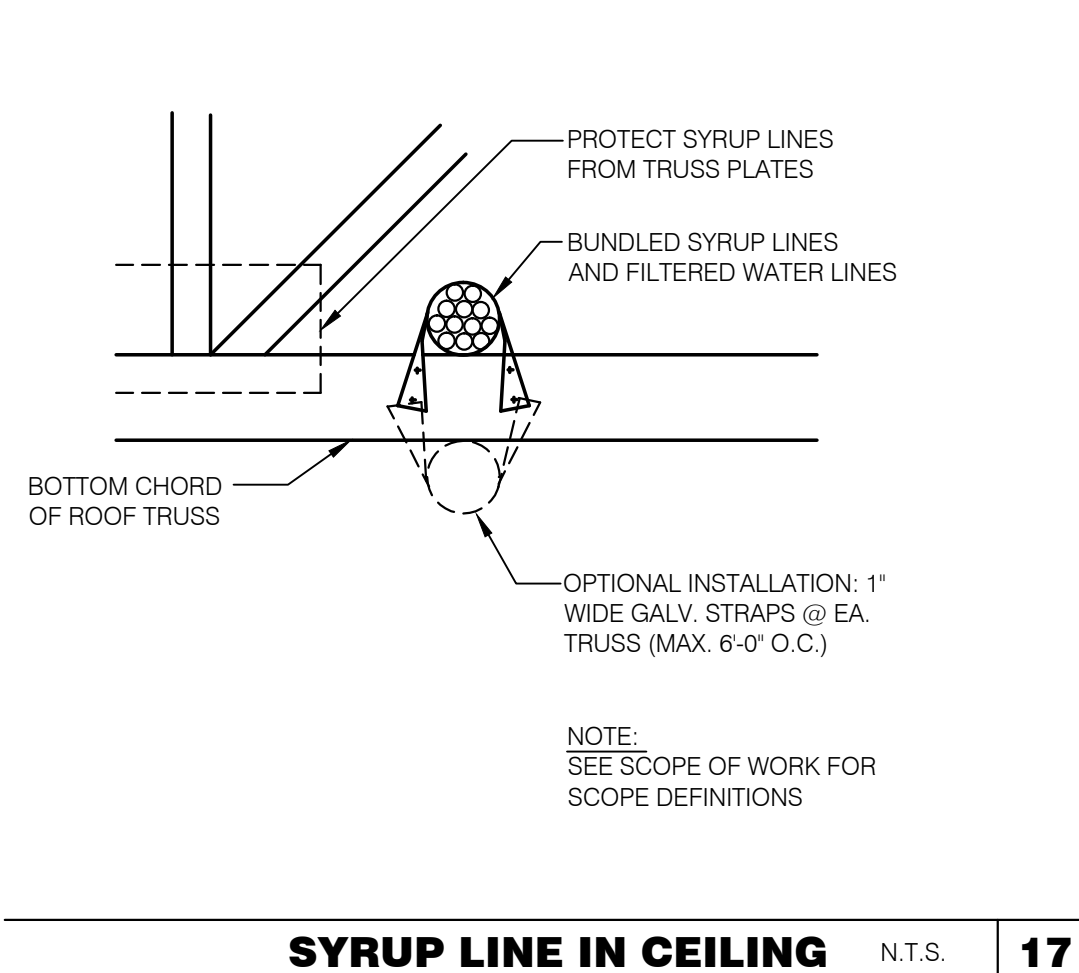
TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



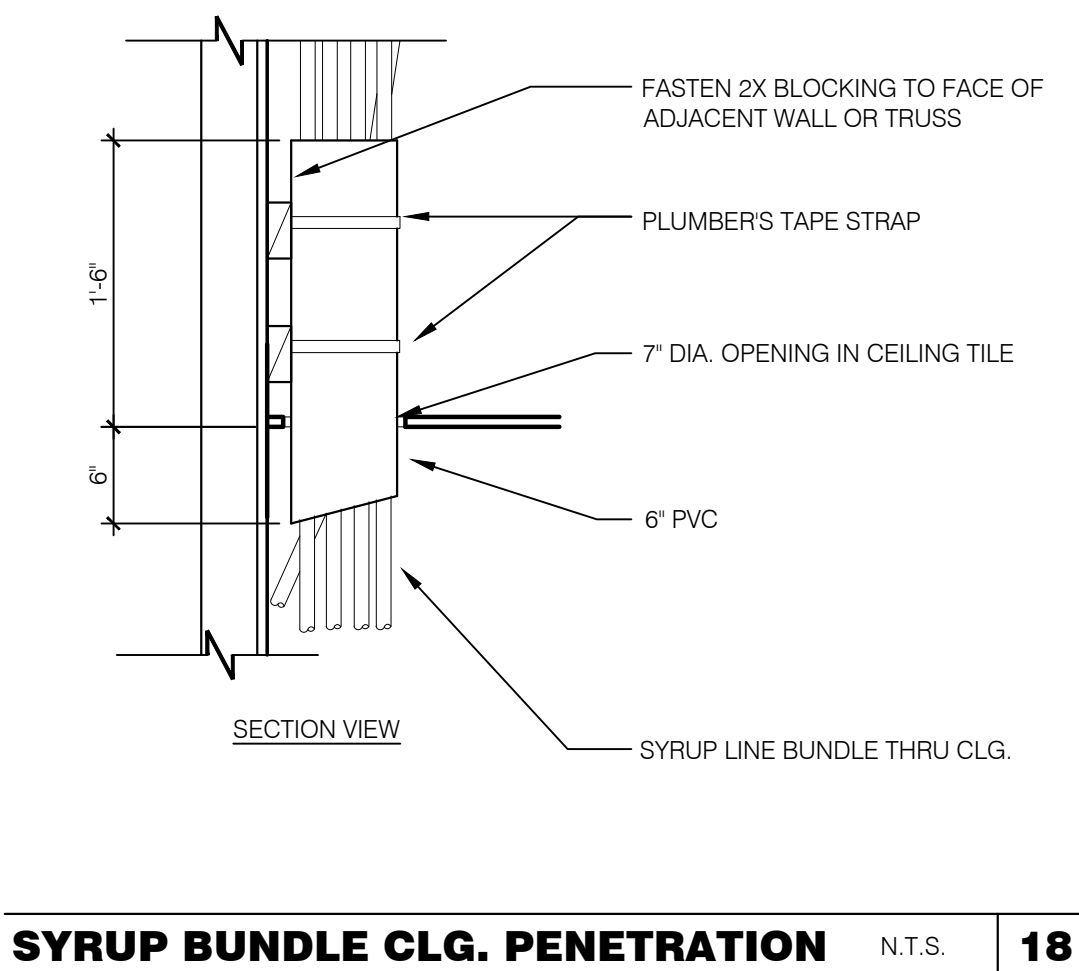
FINISH DETAILS

A6.3

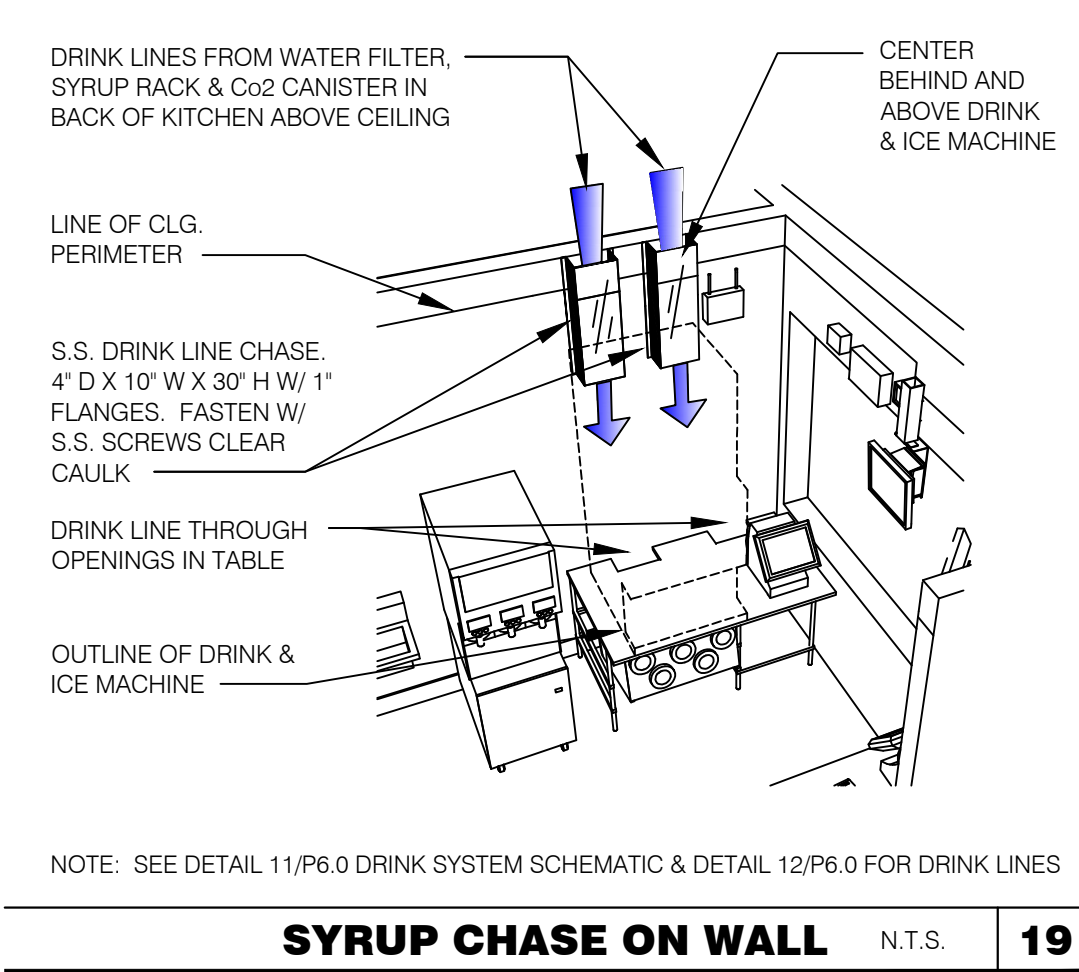
PERMIT PLOT DATE:



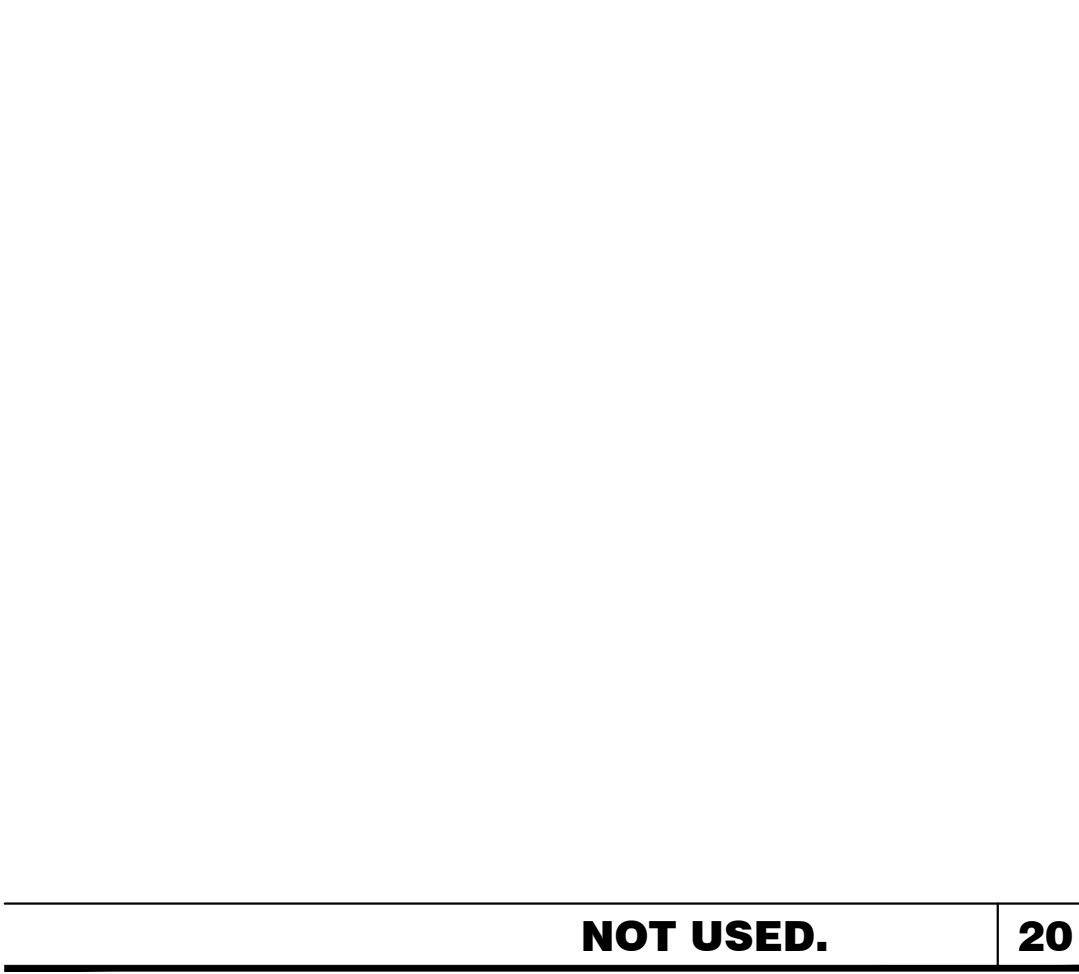
SYRUP LINE IN CEILING N.T.S. 17



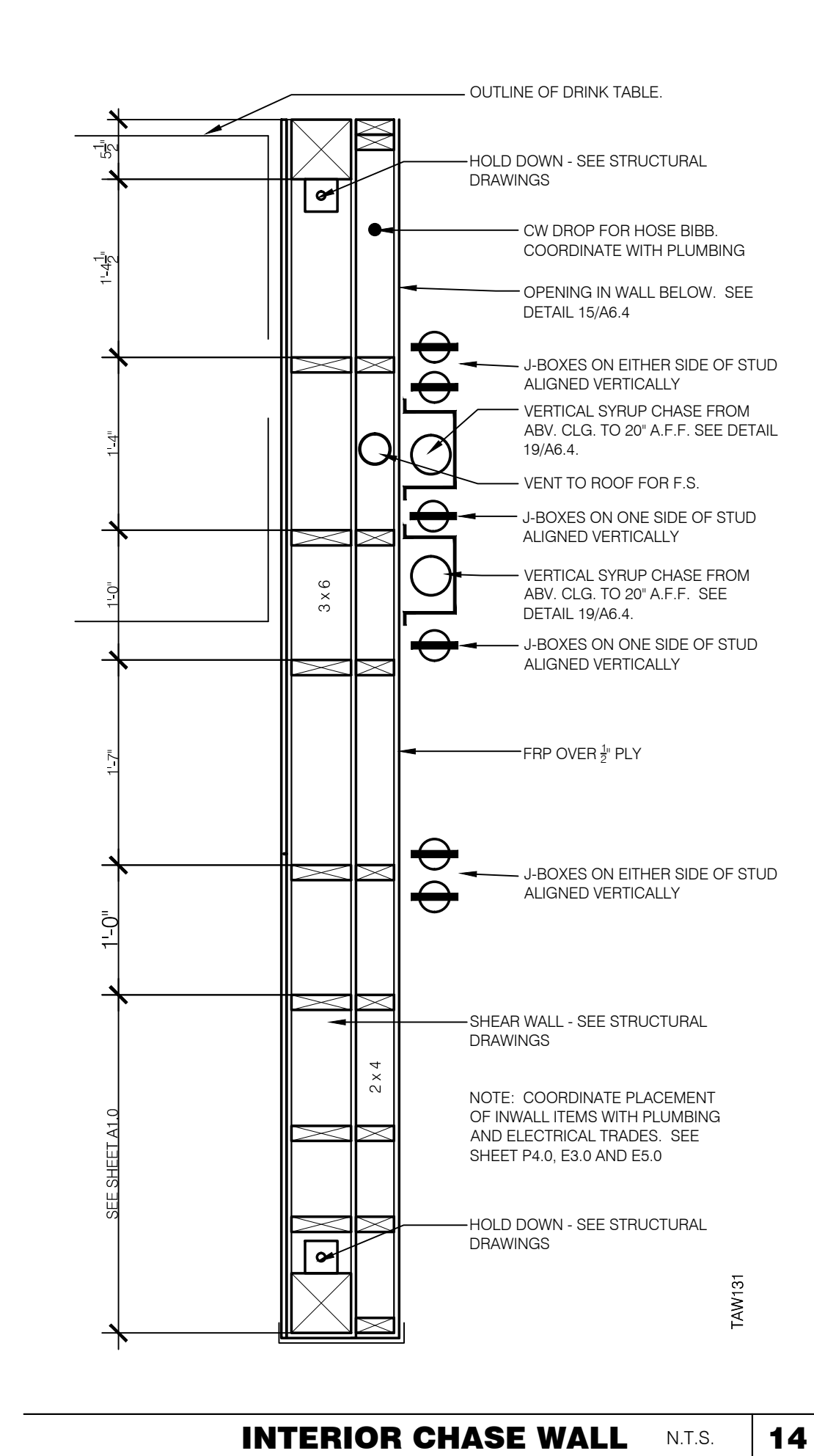
SYRUP BUNDLE CLG. PENETRATION N.T.S. 18



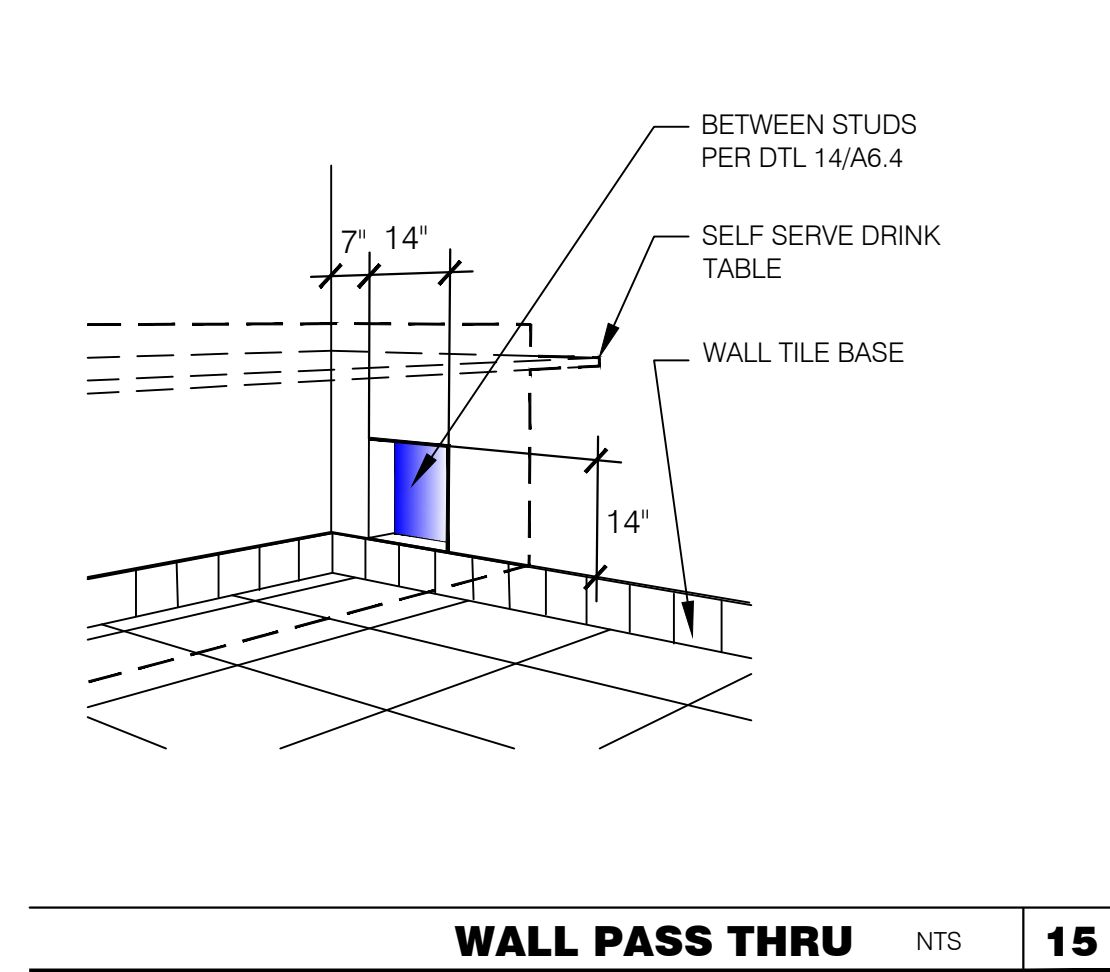
SYRUP CHASE ON WALL N.T.S. 19



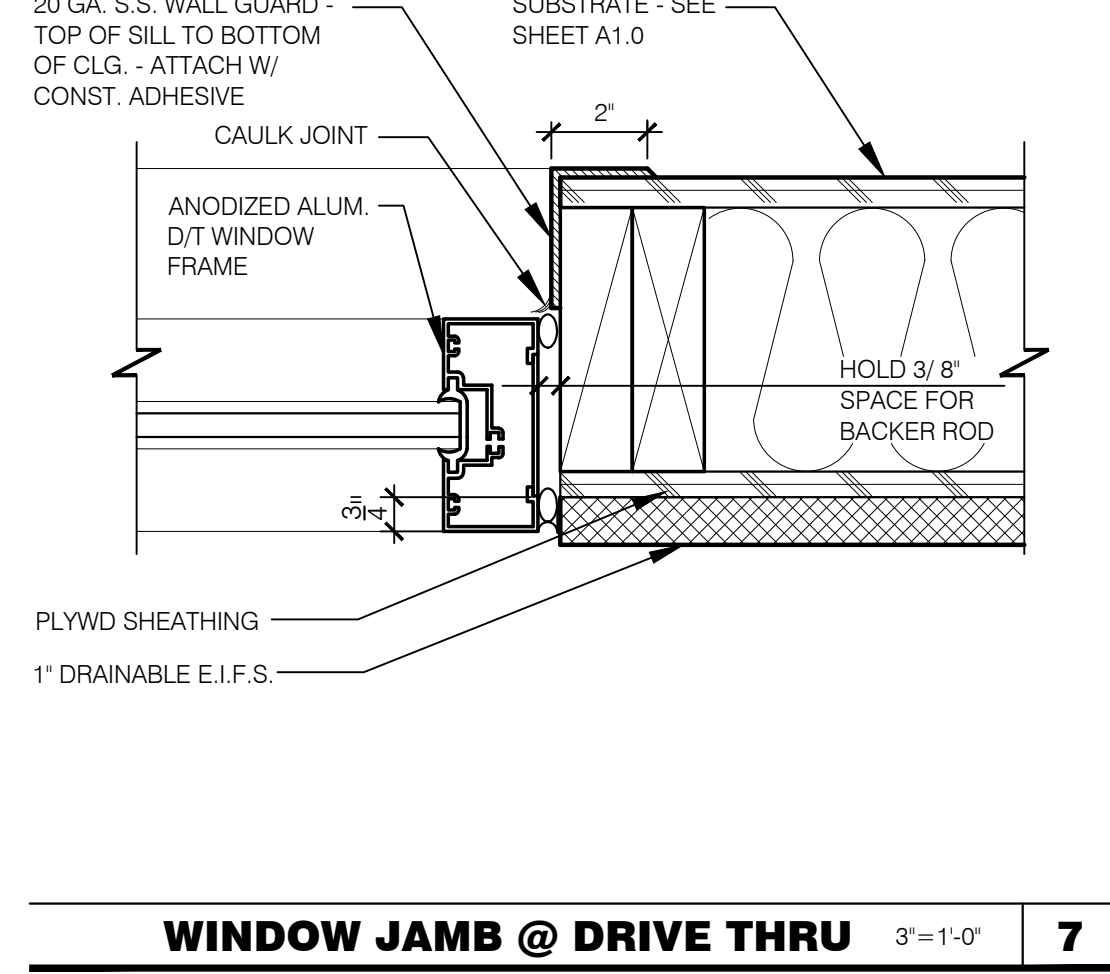
NOT USED. 20



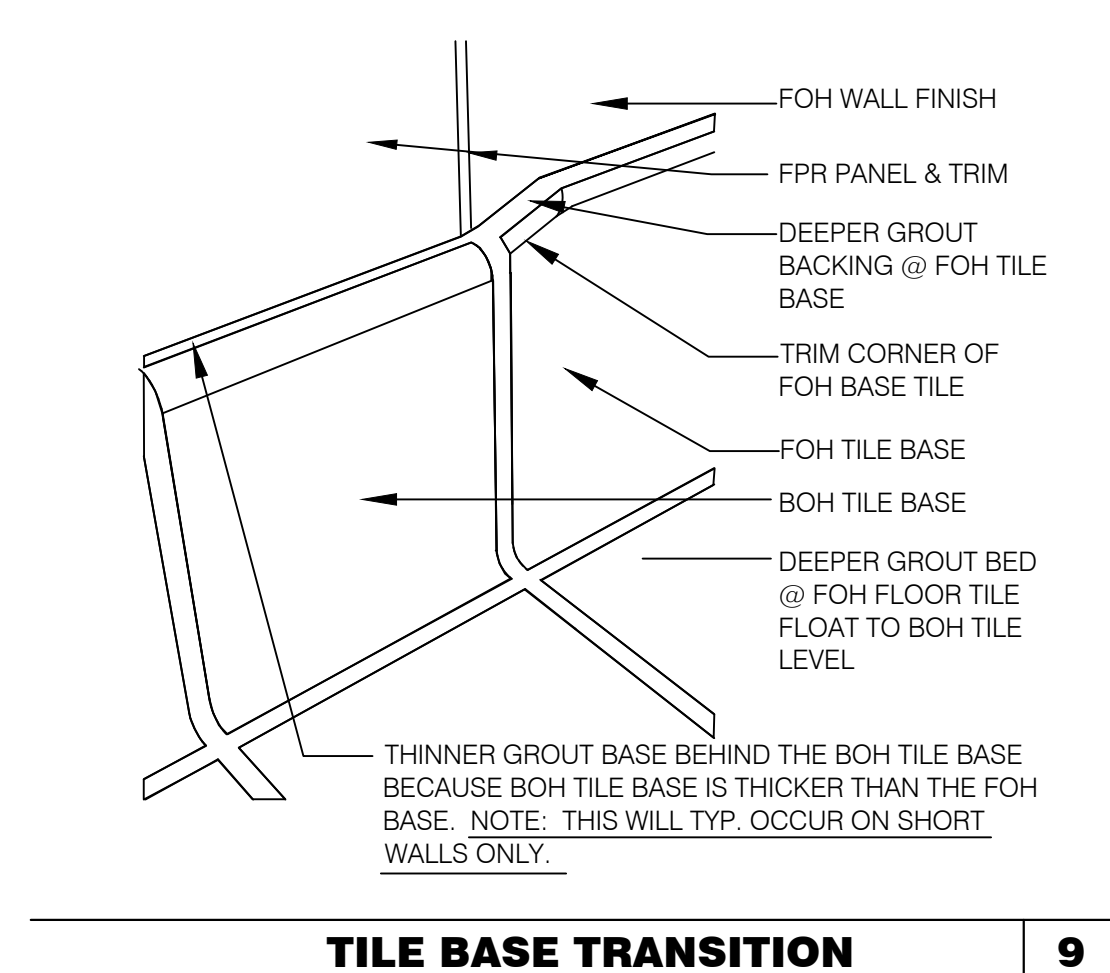
INTERIOR CHASE WALL N.T.S. 14



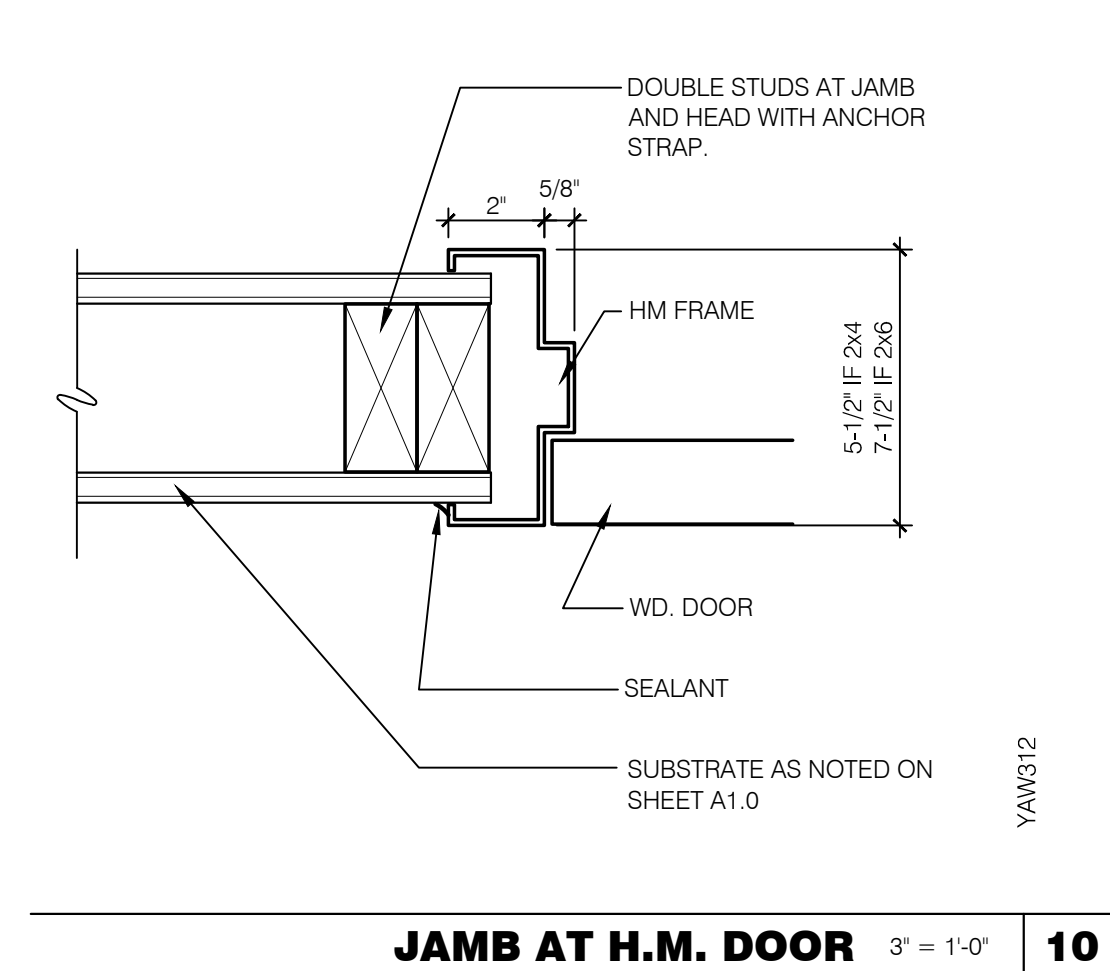
WALL PASS THRU N.T.S. 15



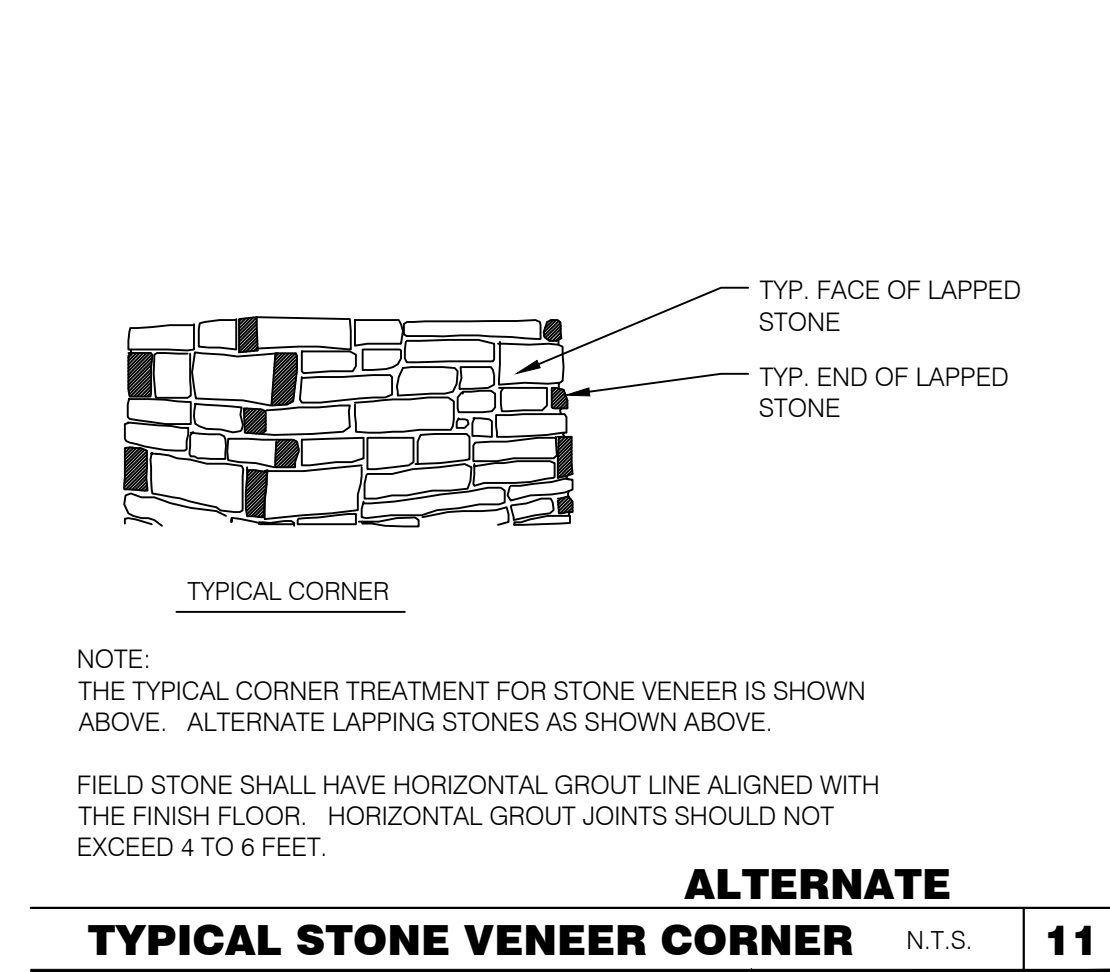
WINDOW JAMB @ DRIVE THRU 3\"/>



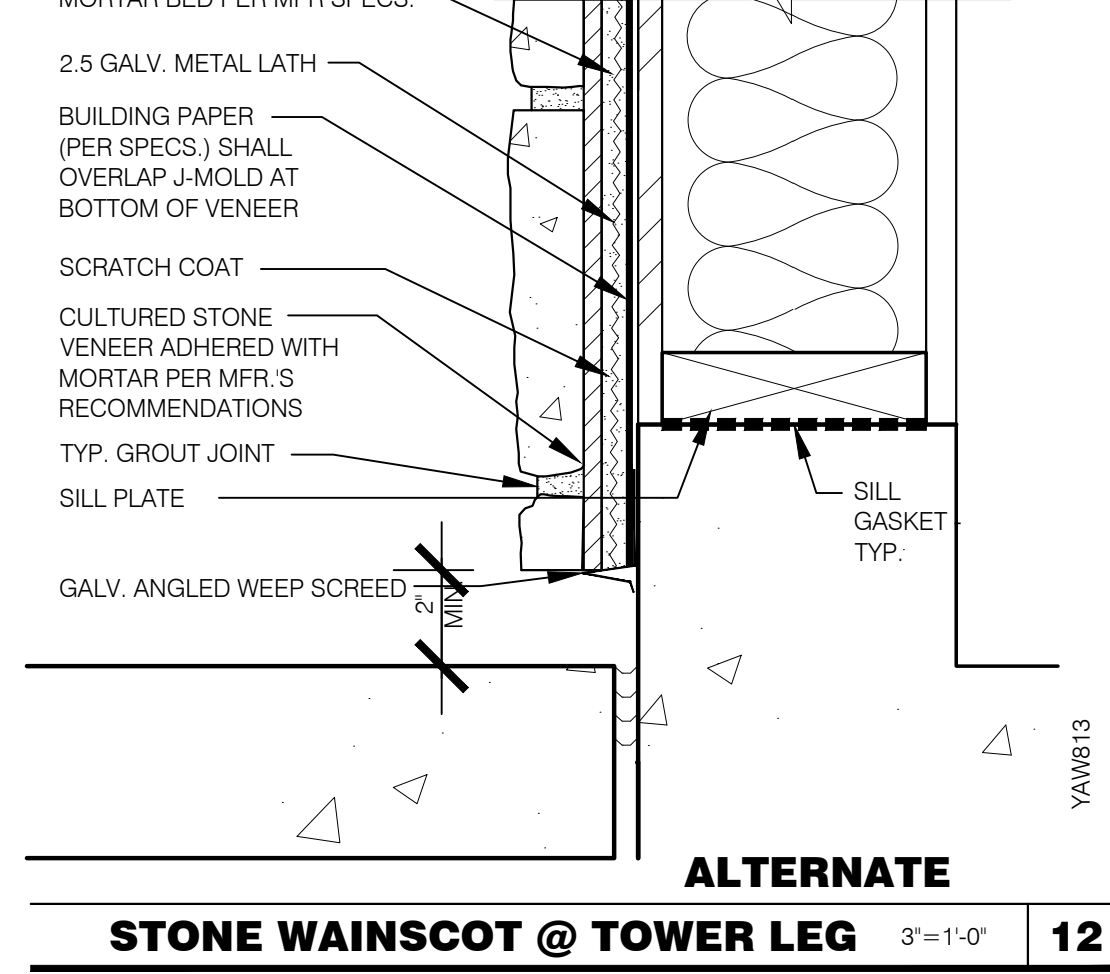
TILE BASE TRANSITION 9



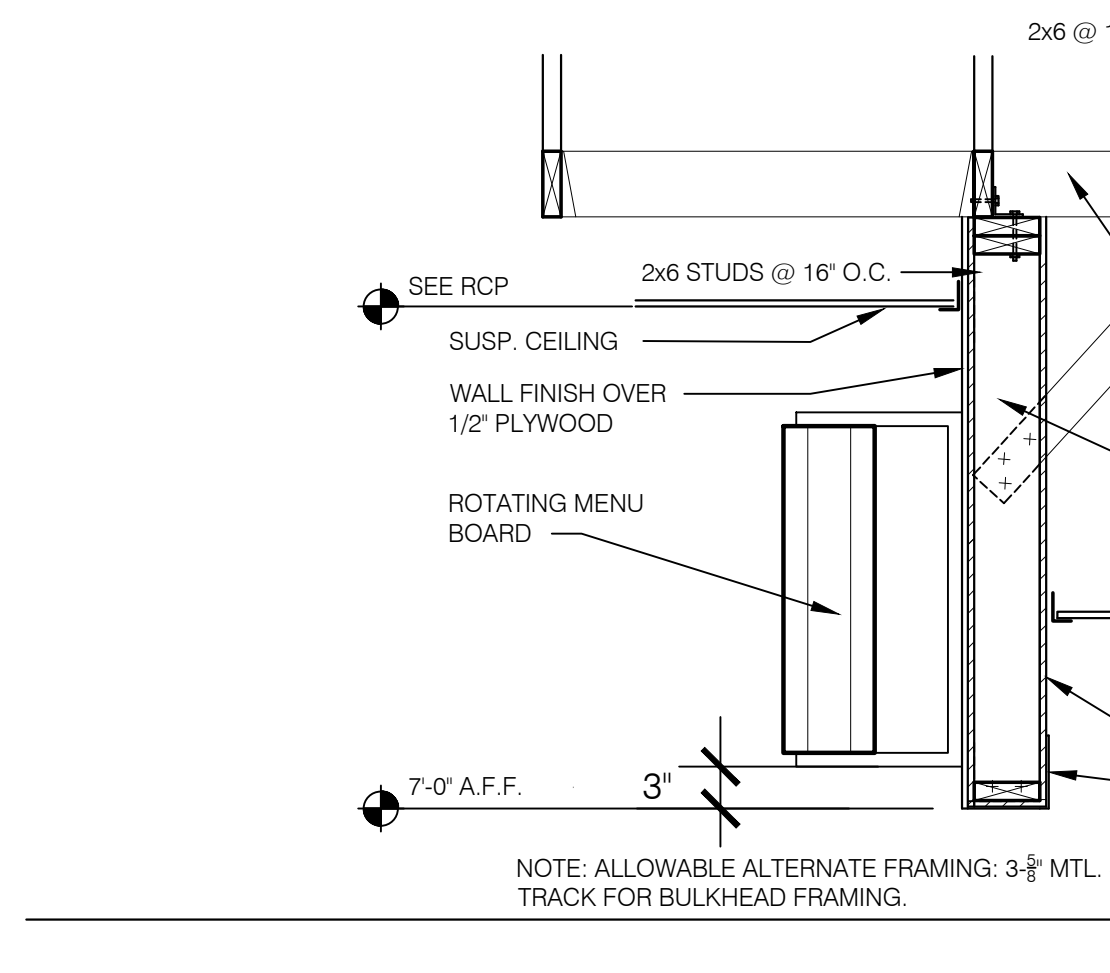
JAMB AT H.M. DOOR 3\"/>



TYPICAL CORNER ALTERNATE 11



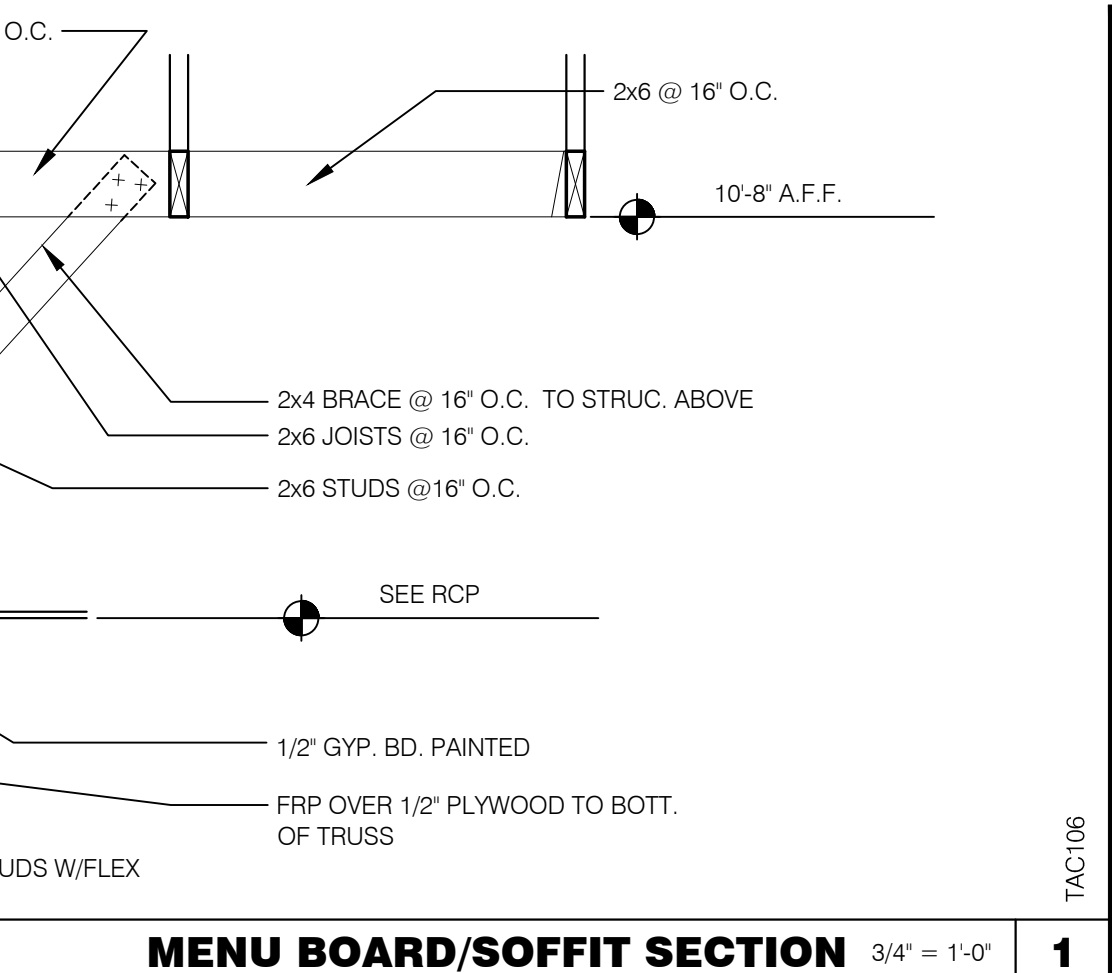
STONE WAINSCOT @ TOWER LEG 3\"/>



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



STONE VENEER OUTSIDE CORNER 3\"/>



STONE WAINSCOT @ TOWER LEG 3\"/>

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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

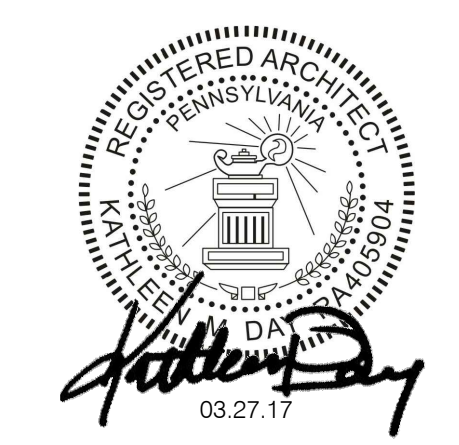
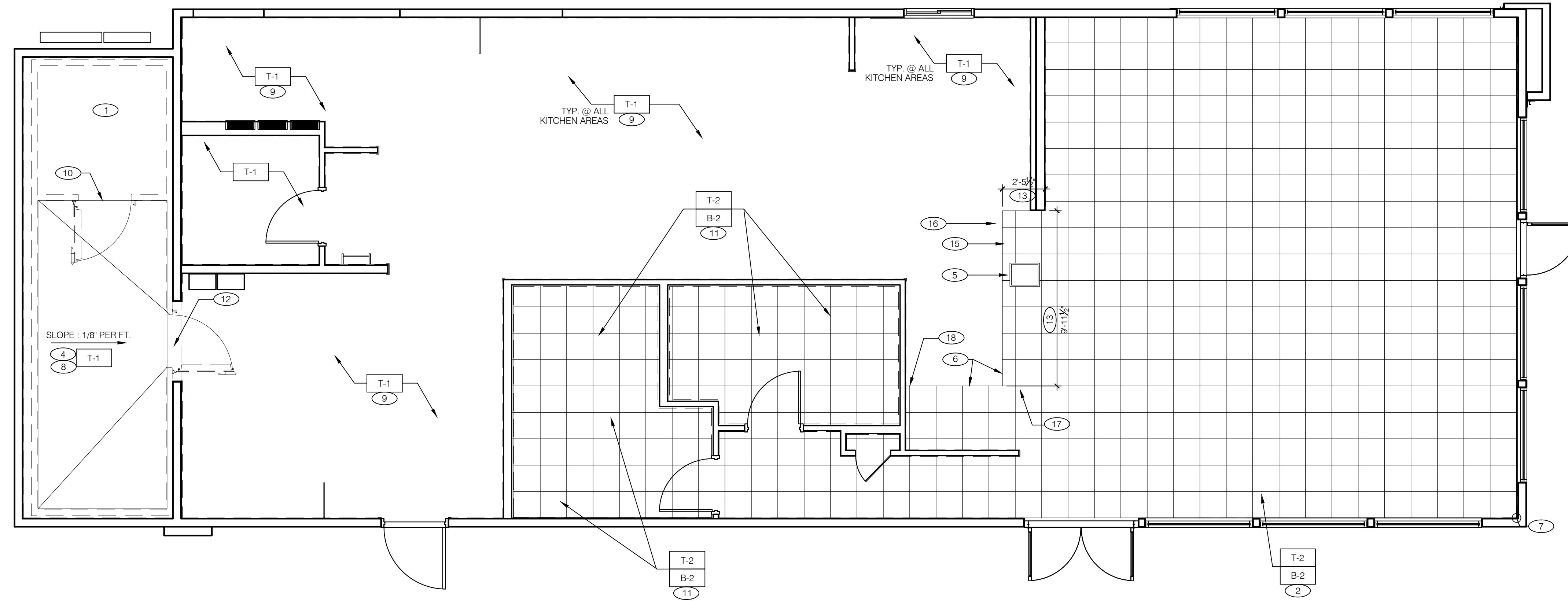
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



CONSTRUCTION DETAILS WALL

A6.4

PERMIT PLOT DATE:



- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

TACO BELL
 LIVE MAS
 LARGE50 - REVERSE
FLOOR FINISH PLAN

A7.0

PERMIT PLOT DATE:

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

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

NOT USED 3/8"=1'-0" **D**

FINISH NOTES **C**

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

B. TILE JOINTS (J.O.N.):
 1. QUARRY FLOOR TILE : 1/4"
 2. PORCELAIN FLOOR TILE : 3/16"
 3. GLAZED WALL TILE : 1/8"
 4. BASE, TRIM AND ACCESSORIES : MATCH ADJOINING TILE UNITS

C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.

D. ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.

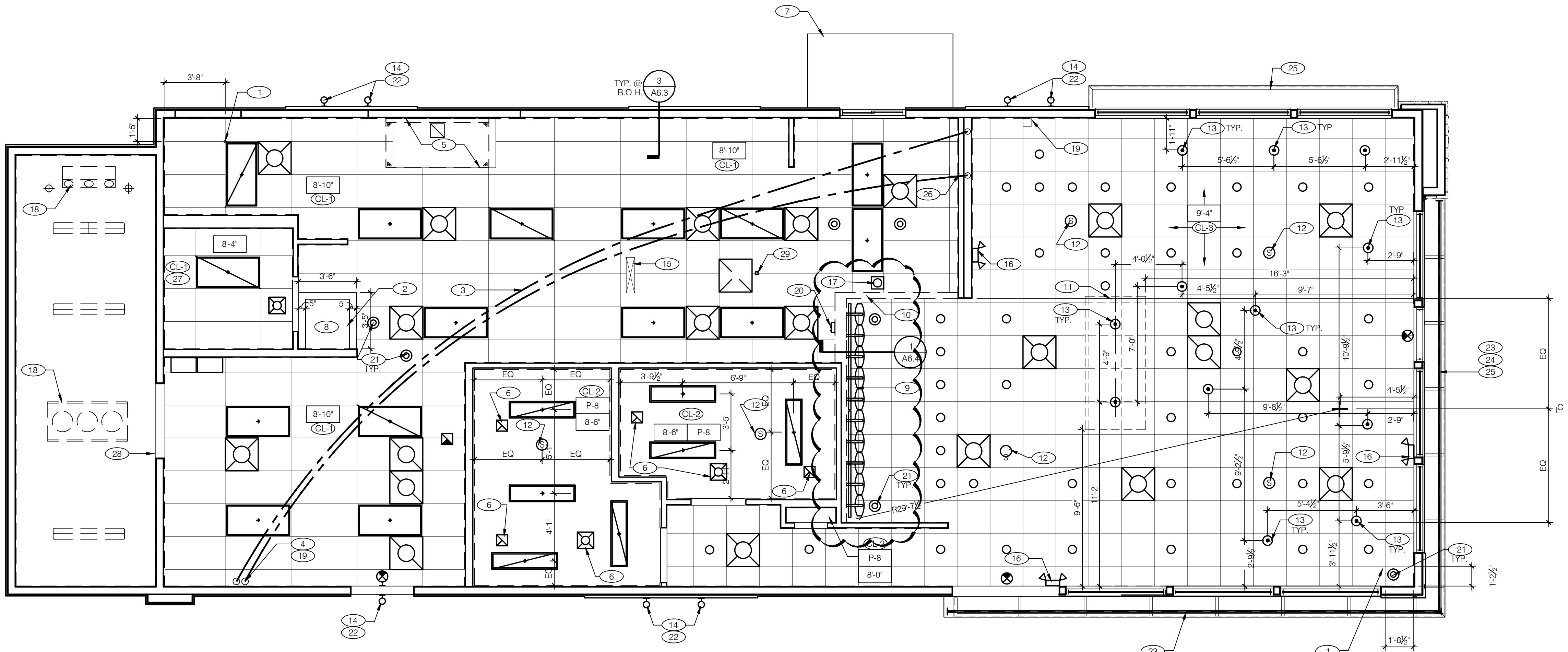
E. NOT USED

F. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.

G. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED.

KEY NOTES **B**

① FACTORY FLOOR FINISH (GALV STL) W/ INTEGRAL COVE BASE IN WALK-IN FREEZER.
 ② 6" COVE TILE BASE. SEE DETAILS 6, 8 & 16/A6.3 FOR INSTALLATION.
 ③ 6" SANITARY COVE TILE BASE. SEE DETAILS 4, 11 & 20/A6.3.
 ④ PROVIDE FLOOR TILE INSIDE WALK-IN COOLER AND STORAGE (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLER TO DRAIN TO KITCHEN. COORD. WITH COOLER WALL CONFIGURATION.
 ⑤ PLATFORM FOR SAFE, COORDINATE WITH A2.0. SEE DETAIL 15/A6.3
 ⑥ FLOOR TILE SHALL TRANSITION AT SERVICE COUNTER WALL.
 ⑦ START POINT FOR FLOOR TILE.
 ⑧ METAL BASE IN COOLER. SEE SCOPE OF WORK - SEE DETAIL 1/A6.3.
 ⑨ REFER TO STRUCT DRAWINGS FOR CONC FLOOR SLOPES AROUND FLOOR DRAINS.
 ⑩ FLOAT FLOOR TILE TO MEET FREEZER FLOOR FLUSH. COORD WITH FREEZER THRESHOLD INSTALLATION.
 ⑪ SANITARY TILE BASE IN RESTROOMS. SEE DETAILS 12/A6.3 FOR INSTALLATION.
 ⑫ FLOAT FLOOR TILE FOR FLUSH TRANSITION.
 ⑬ DIMENSION REPRESENTS LINE OF FLOOR TILE TRANSITION.
 ⑭ NOT USED.
 ⑮ TILE ALIGNED WITH SERVICE CNTR.
 ⑯ COUNTERFRONT RAISED WITH NO COVE BASE.
 ⑰ NO BASE TILE REQUIRED. WALL & BENCH ARE ON LEGS
 ⑱ ALIGN TOP OF B-2 & B-1. SEE 9/A6.4.



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



YUM! COMMENTS -- 04.14.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



PERMIT PLOT DATE:

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

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

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.
- 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 SECURITY CAMERA, REFER TO ELECTRICAL DRAWINGS.
- 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 SLATWALL SYSTEM BY VENDOR. SEE BUILDING ELEVATIONS.
- 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

FLOORING			WALL FINISHES			LAMINATES			CEILINGS			
SYM	DESCRIPTION	ALTERNATE / NOTE	SYM	DESCRIPTION	ALTERNATE / NOTES.	SYM	DESCRIPTION	ALTERNATE/ NOTE	SYM	DESCRIPTION	ALTERNATE / NOTE	
T-1	MFR.: DUR-A-FLEX TYPE: POLYCRETE WITH 6" INTEGRAL BASE** COLOR: GRAY CONTACT: BLACK BEAR COATINGS & CONCRETE JUSTIN TOUSIGNANT - 978.490.0708	**DURA-FLEX TILE WITH INTEGRAL BASE, NO ADDITIONAL BASE IS REQUIRED.	P-1	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW7069 IRON ORE (DK. GREY) PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (PAINT FOR CL-1)		WC-4	MFR.: FORBO TYPE: MARMOLEUM COLOR: 3141 HIMALAYA	ANODIZED CORNER GUARDS AND J-MOLDS BY NATIONAL METAL SHAPES (DARK BRONZE). INTERMEDIATE VERTICAL TRIM BY DECOR VENDORS PAINTED SAME COLOR AS WALL PANEL.	CL-1	MFR.: CERTAINTEED TYPE: VINYLROCK #1140, WASHABLE NON-PERFORATED, 24x48x1/2" COLOR: WHITE GRID: WHITE SUSPENSION GRID W/ ALUMINUM FACE NOTE: FLAME SPREAD RATING 0-25, CLASS A	MFR.: US GYPSUM CO. TYPE: CLIMAPLUS LAY-IN CEILING PANEL COLOR: FLAT WHITE #050, VINYL 3270 NOTE: 24"x48" SEE SPECIFICATIONS	
T-2	MFR.: CREATIVE MATERIALS CORP. TYPE: PORCELAIN TILE ANTIQUE COLOR: SUNSET SIZE: 18"x18" OR 12"x12" GROUT: CMC #H141 FLASH WALNUT	MFR.: DAL TILE TYPE: TERRA ANTICA CERAMIC TILE COLOR: ROSSO TA02 SIZE: 18"x18" OR 12"x12" GROUT: CUSTOM #95 SABLE BROWN	P-2	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW6657 'AMBER WAVE' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (ORANGE)	P-2	MFR.: SHERWIN WILLIAMS TYPE: SEMI-GLOSS LATEX COLOR: SW6657 'AMBER WAVE' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC NOTE: HIGH-GLOSS DOOR FRAMES	WC-5	MFR.: FORBO TYPE: MARMOLEUM COLOR: 173 PAVING	ANODIZED CORNER GUARDS AND J-MOLDS BY NATIONAL METAL SHAPES (DARK BRONZE). INTERMEDIATE VERTICAL TRIM BY DECOR VENDORS PAINTED SAME COLOR AS WALL PANEL.	CL-2	MFR.: GYPSUM BOARD	
			P-3	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW6510 'LOYAL BLUE' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC (BLUE)		FRP-1	MFR.: MARLITE TYPE: FIBERGLASS REINFORCED PANEL COLOR: FP-100 WHITE (PEBBLED FINISH) NOTE: NO COLOR VARIATIONS ACCEPTED		CL-3	MFR.: USG SUSPENDED CEILING TILE TYPE: 414, FROST, 24x24x1/2" COLOR: FLAT BLACK #205 GRID: ARMSTRONG PRELUDE XL 15/16" EXPOSED TEE COLOR: PRE-PAINTED BLACK	* GRID, VENTS, SPEAKERS TO BE FACTORY PAINTED WITH BLACK	
			P-5	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW 6839 'KIMONO VIOLET' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC								
			P-6	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL LATEX COLOR: SW 6167 'GARDEN GATE' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC								
			P-8	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL ENAMEL COLOR: SW6116 'TATAMI TAN' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC								
			P-9	MFR.: SHERWIN WILLIAMS TYPE: SATIN / EGGSHELL ENAMEL COLOR: SW6108 'LATTE' PRIMER: #023 (WHITE) FRESH START 100% ACRYLIC								
			S-1	MFR.: WILSONART TYPE: SOLID SURFACE COLOR: AVALANCHE MELANGE #9175ML								
			TM-1	MFR.: OLYMPIC PREMIUM WOOD STAIN TYPE: CHAIR RAIL COLOR: 'AMERICAN CHERRY'	TM-1	MFR.: DALYS WOOD STAIN TYPE: CHAIR RAIL COLOR: DALYS #45 1 x 2 SOLID MAPLE						
			TM-2	MFR.: SCHLUTER TYPE: RONDEC R080AE 3/8" TILE EDGE TRIM COLOR: SATIN ANNOIDIZED ALUMINUM								
			WT-1	MFR.: NOT USED								

WALL BASE			MILLWORK			DOORS				
SYM	DESCRIPTION	ALTERNATE / NOTE	SYM	DESCRIPTION	ALTERNATE / NOTE	SYM	DESCRIPTION	ALTERNATE/ NOTE		
B-1	MFR.: CREATIVE MATERIALS CORP TYPE: DURAQUARRY #Q3565 COLOR: RED TO MATCH T-1 SIZE: 5' x 6' GROUT: CMC #H141 FLASH WALNUT	MFR.: AMERICAN OLEAN TYPE: QUARRY #Q01 COLOR: RED TO MATCH T-1 SIZE: 5' x 6' GROUT: #95 SABLE BROWN - NON EPOXY	WT-2	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 12"x12" AT RESTROOMS GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DAL TILE TYPE: 12"x24" FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 12"x12" AT RESTROOMS GROUT: MAPEI #06 'HARVEST' NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	PL-1	MFR.: NEVAMAR TYPE: WM-8-350T COLOR: CARMEL SAGAWOOD	DL-1	MFR.: NEVAMAR TYPE: WM-8-350T COLOR: CARMEL SAGAWOOD * DOOR EDGES SHALL BE FINISHED SIMILAR TO FACES	
B-2	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE ANTIQUE COLOR: SUNSET SIZE: 6"x12" COVED BASE GROUT: CMC #H141 FLASH WALNUT	MFR.: DAL TILE TYPE: TERRA ANTICA CERAMIC TILE COLOR: ROSSO TA-02 SIZE: 6"x12" COVED BASE GROUT: CUSTOM #95 SABLE BROWN	WT-4	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 12"x24" AT DINING RM. GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DAL TILE TYPE: 12"x24" FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 12"x24" AT DINING RM. GROUT: MAPEI #06 'HARVEST' NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL			DL-2	MFR.: BOBRICK TYPE: SIERRA SERIES 1090 COLOR: SC03 'TERRA COTTA' SOLID COLOR REINFORCED COMPOSITE	
		**DURA-FLEX ALTERNATE TILE WITH INTEGRAL BASE. MUST BE APPROVED BY ARCHITECT AND CHARTER FOODS, NO ADDITIONAL BASE IS REQUIRED.	WT-5	MFR.: CREATIVE MATERIALS CORP TYPE: PORCELAIN TILE COLOR: LINES GOLD SIZE: 3"x12" BULLNOSE GROUT: CMC #H163 LINEN NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL	MFR.: DAL TILE TYPE: FABRIQUE LINE COLOR: SOLEIL LINEN P687 UNPOLISHED SIZE: 3"x12" SHAPE NUMBER P-43C9 GROUT: MAPEI #06 'HARVEST' NOTE: TILE TO BE INSTALLED WITH THE GRAIN HORIZONTAL			DL-3	MFR.: NEVAMAR TYPE: S702TT COLOR: SMOKY WHITE * DOOR EDGES SHALL BE FINISHED SIMILAR TO FACES	ALTERNATE : FORMICA 933-58 MISSION WHITE

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

MARLITE DAN EGBERS 330-343-6621 WWW.MARLITE.COM	NATIONAL METAL SHAPES Russel Day 800-837-9559	DAVIS COLORS (Mortar Pigment) West: 800-356-4848 East: 800-638-4444
WILSONART INTERNATIONAL, INC. DAN CHICKVARA 254-207-2130 CHICKV@WILSONART.COM	TILE: CREATIVE MATERIALS CORP. PH: 800.207.2967 EXT BELL (2355) FAX: 518.452.9153 TACOBELLTILE@CREATIVEMATERIALSCORP.COM	
SHERWIN WILLIAMS BRAD HARRINGTON 216-341-5553 EXT. 115 CELL: 216-210-2723 BRAD.E.HARRINGTON@SHERWIN.COM	CROSSVILLE TILE MONICA FARLEY 714.501.7893 MFARLEY@CROSSVILLEINC.COM	
FORBO DAVE BOLINGER 614-583-8504 CELL: 1-614-439-7343 FAX: 1-614-583-8504 DAVE.BOLINGER@FORBO.COM	ROCA TILE GROUP CHRISTINA DORDAS 708-910.2368 WWW.ROCATILEGROUP.COM CHRISTINA.DORDAS@US.ROCA.COM	
	DALTILE FRED DAVIS 502-423-5456 FRED.DAVIS@DAL TILE.COM	

ROOM FINISH NOTES **D**

CONTACTS **C**

ROOM FINISH SCHEDULE LEGEND **A**

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



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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 ~ REV P
SITE NUMBER:
STORE NUMBER: TBD

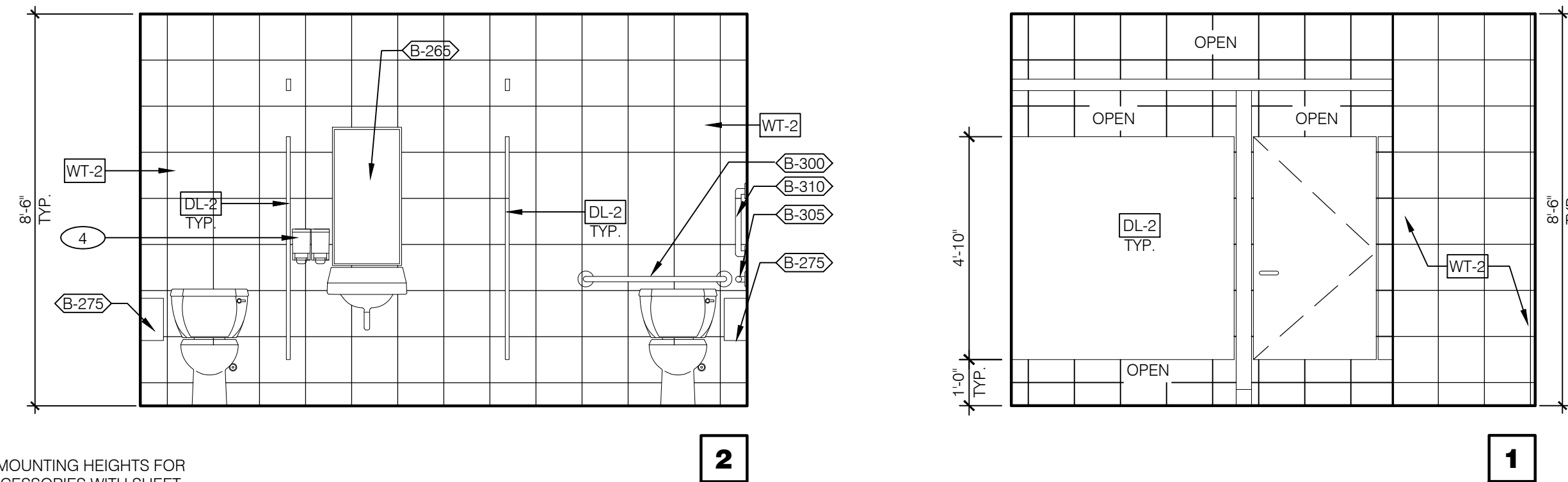
TACO BELL
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Natrona Heights, PA 15065



FINISH SCHEDULE

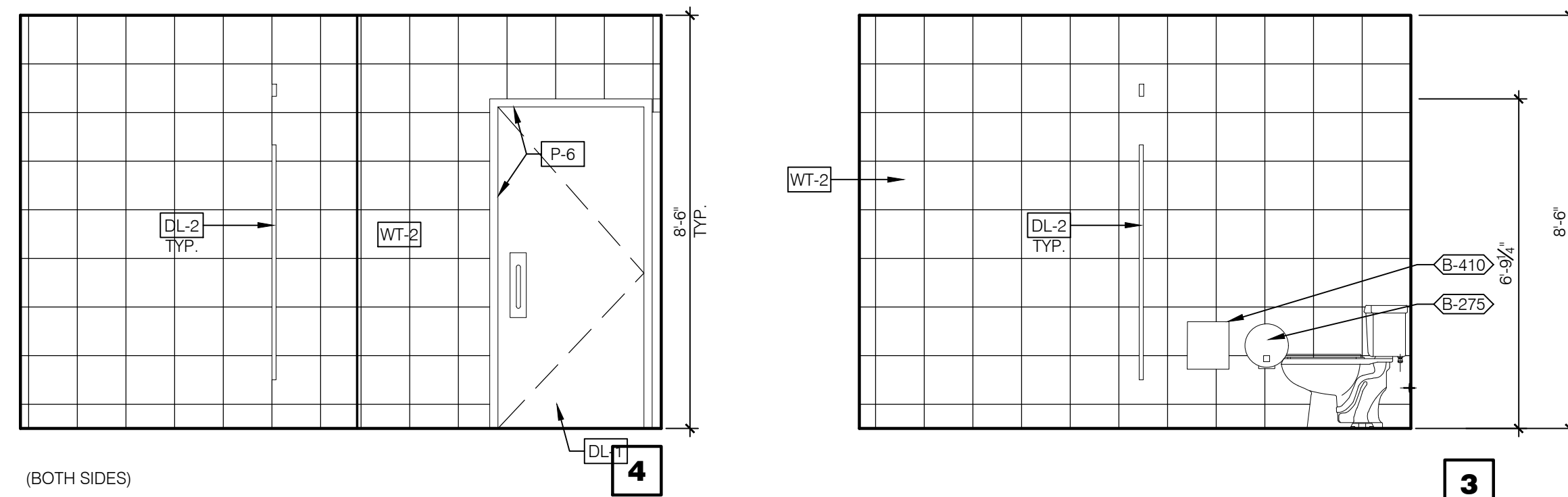
A7.2

PERMIT PLOT DATE:



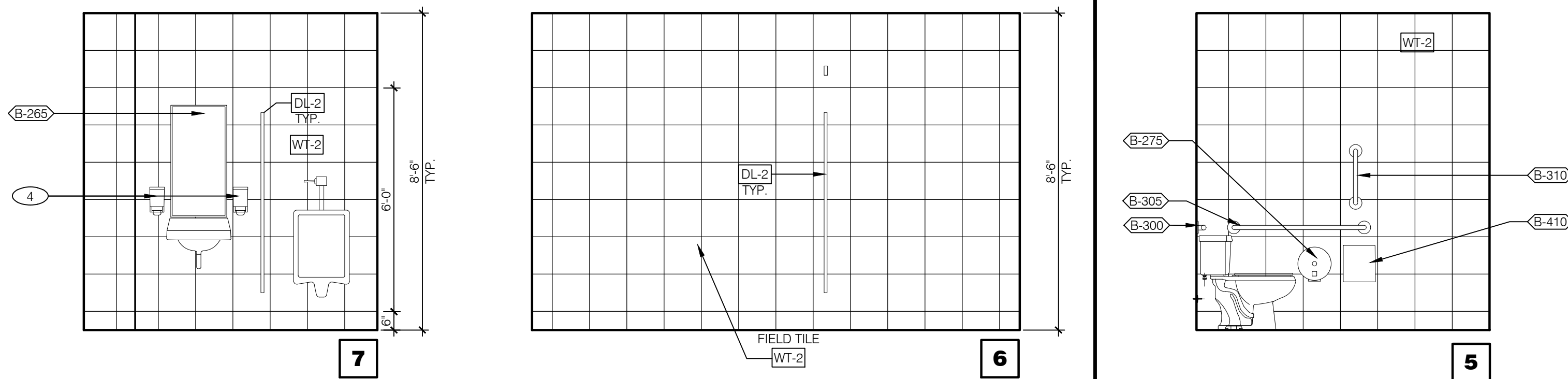
***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

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



***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.

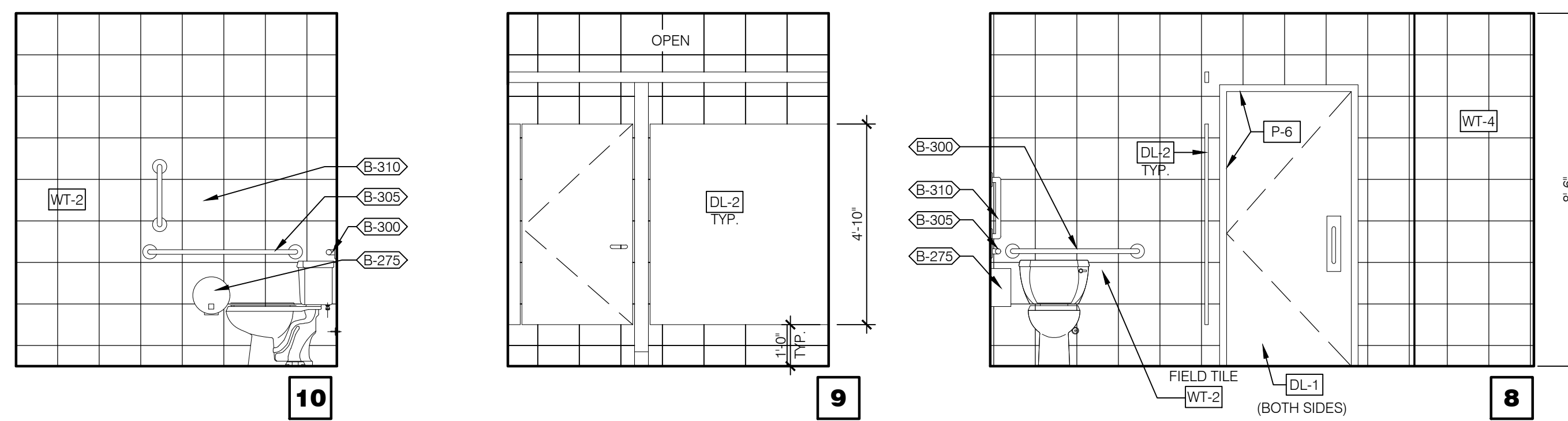
WOMEN'S RESTROOM 3/8"=1'-0"



***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.

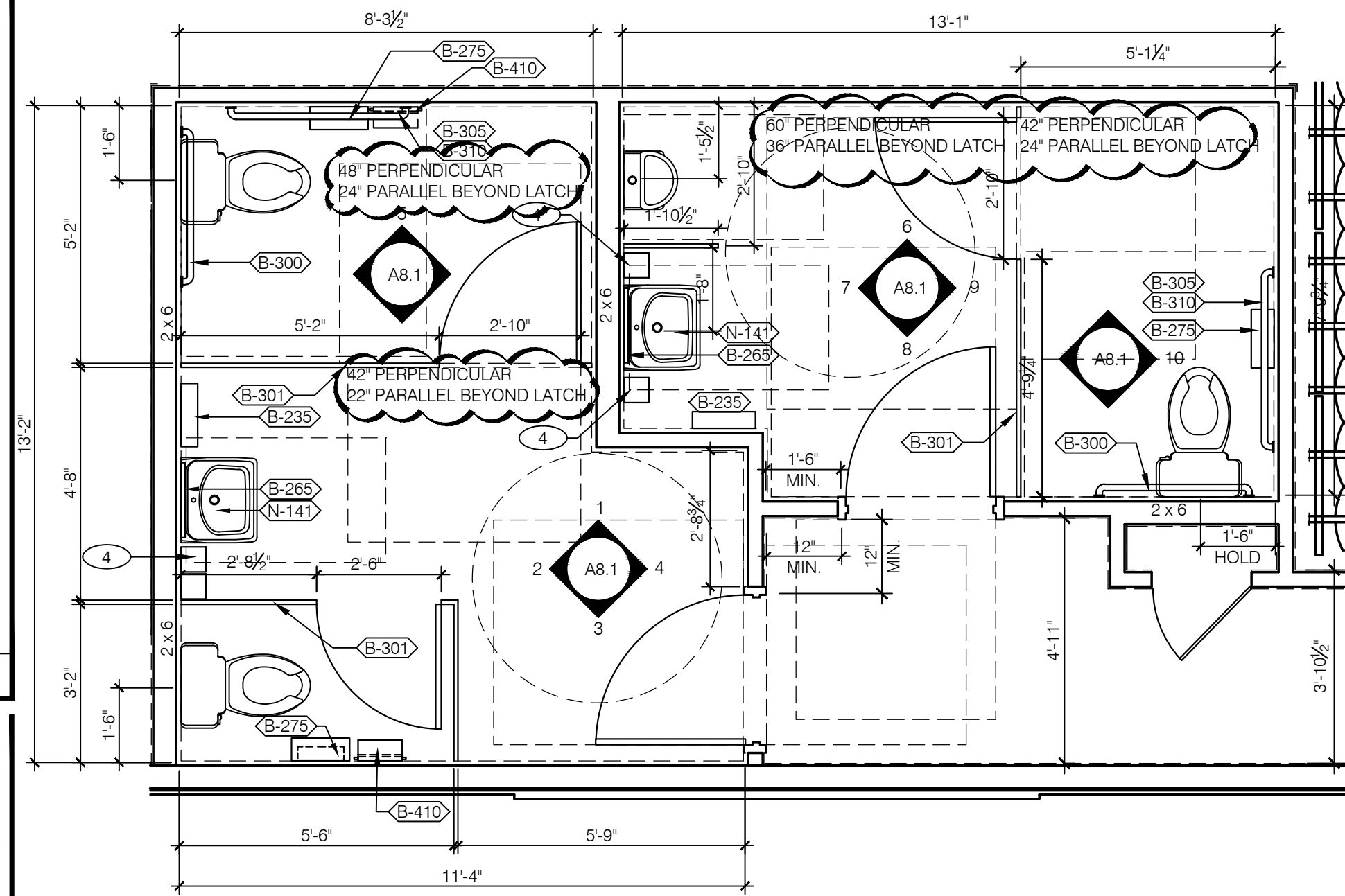
MEN'S RESTROOM 3/8"=1'-0"

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



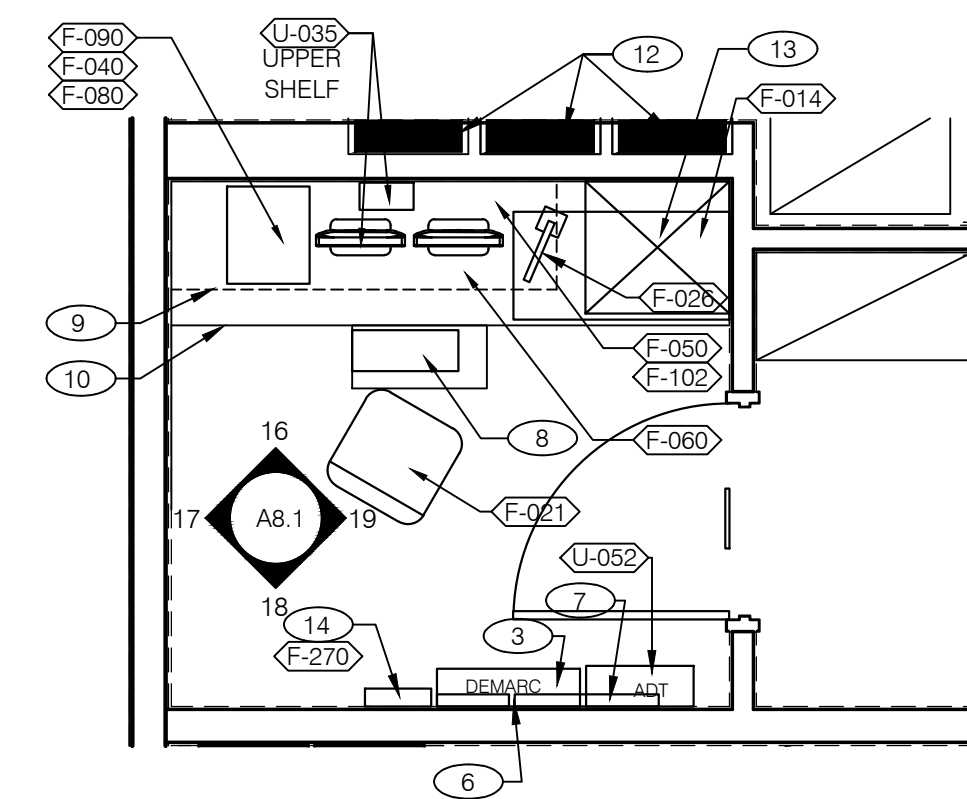
***NOTE:
COORDINATE THE LOCATION AND MOUNTING HEIGHTS FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES WITH SHEET ADA1.0 TO ENSURE COMPLIANCE WITH ADA / LOCAL JURISDICTION MINIMUM ACCESSIBLE REQUIREMENTS.

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



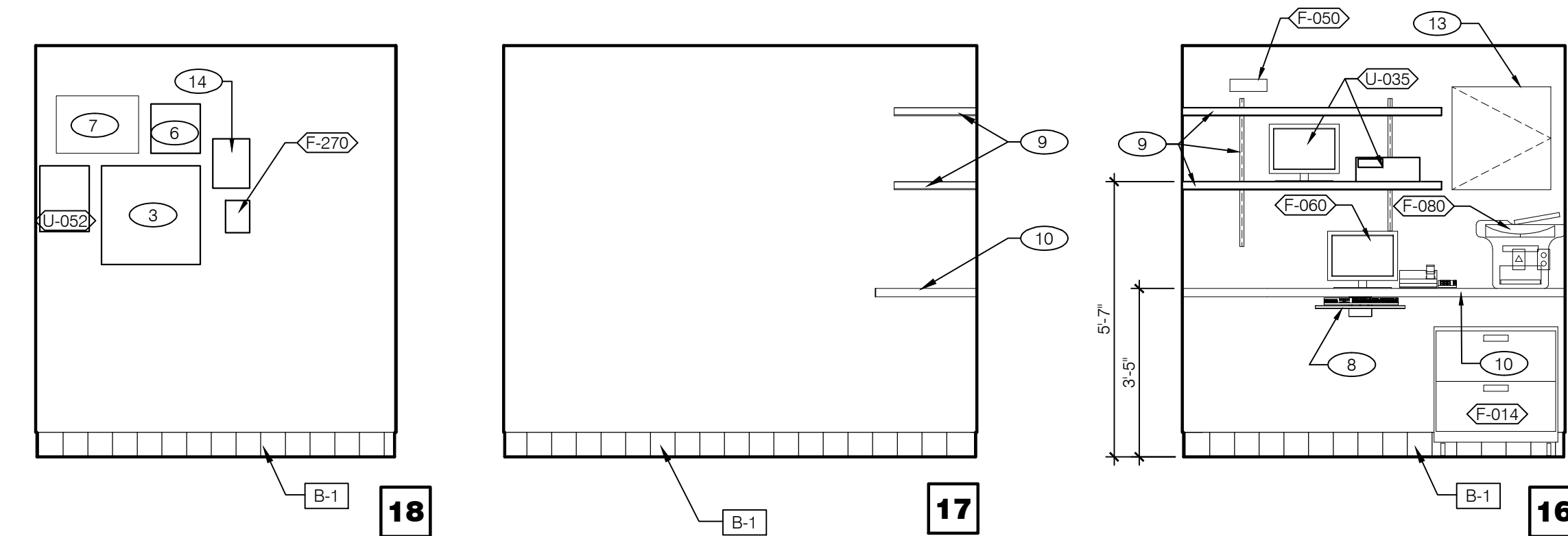
- A. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.
- B. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
- C. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
- D. PROVIDE 1/4" MAX GAP AT ALL TOILET PARTITION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

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



- 1 THERMOSTAT CONTROLS.
- 2 LIGHTING CONTROL SWITCHES. SEE DETAIL E3.1.
- 3 TELEPHONE TERMINAL BOARD.
- 4 SOAP / HAND SANITIZER DISPENSERS - BY ECOLAB.
- 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 SHELVES AND ADJUSTABLE STANDARDS BY G.C.- FINISH WITH PLASTIC LAMINATE DL-3.
- 10 COUNTER BY G.C. - FINISH WITH STAINLESS STEEL.
- 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 IRRIGATION CONTROL BOX

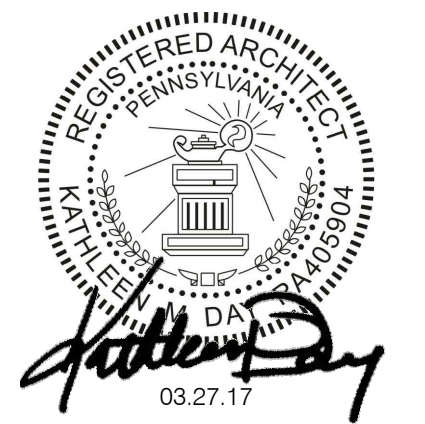
OFFICE FLOOR PLAN and KEYNOTES 3/8"=1'-0" **B**



NOTE:
REFER TO OFFICE FLOOR PLAN KEYNOTES.

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

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9335 Ferry Road
Waynesville, OH 45068
617.331.2549
kathleendayarchitect@gmail.com



▲ CITY COMMENTS - 05.19.17

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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

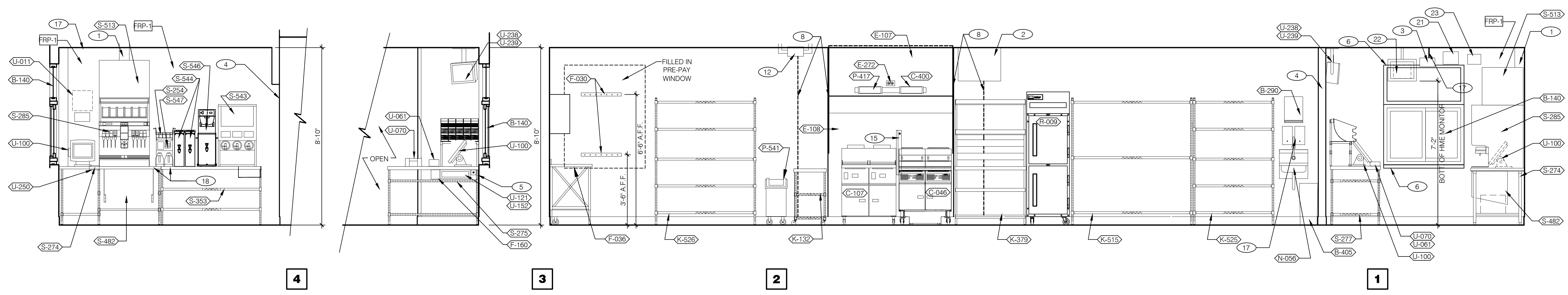
TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



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

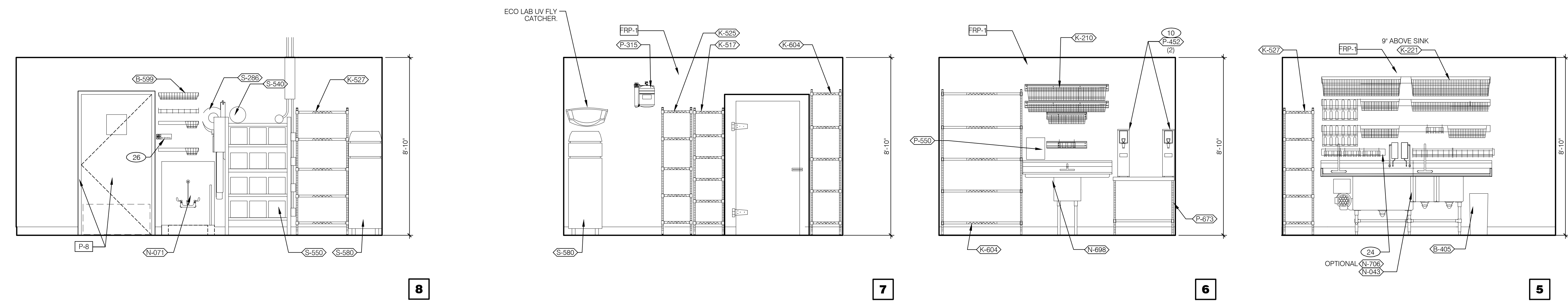
A8.1

PERMIT PLOT DATE:



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

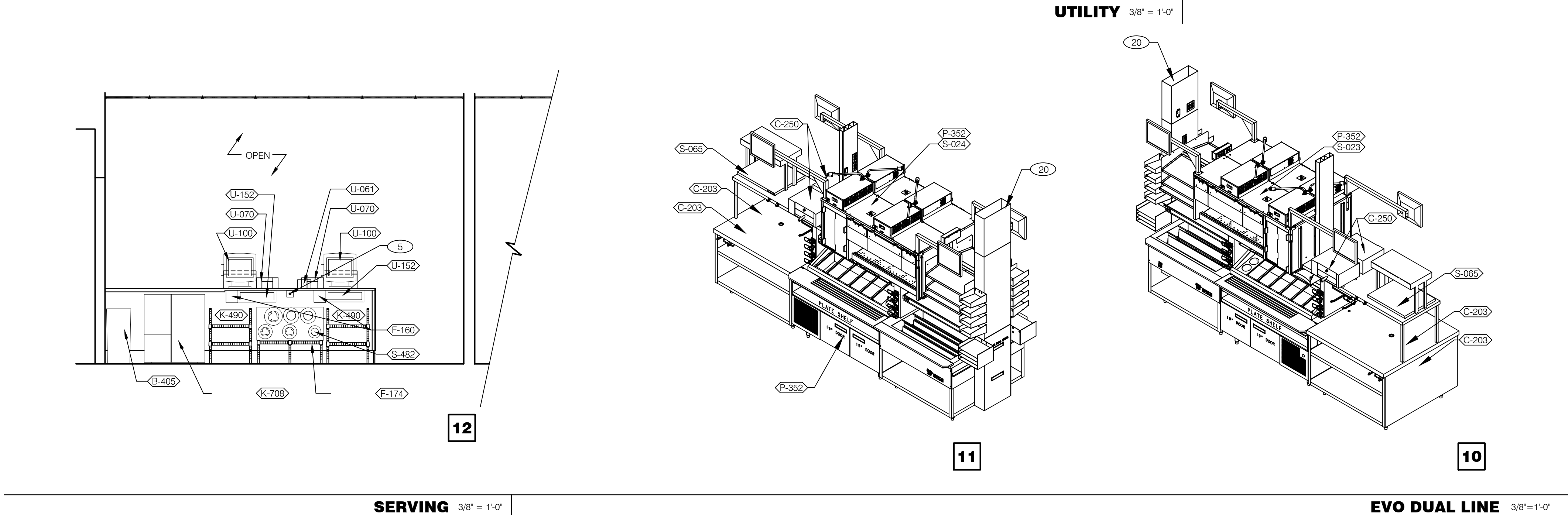
TB COOK / DRY STORAGE 3/8" = 1'-0"



UTILITY 3/8" = 1'-0"

PREP 3/8" = 1'-0"

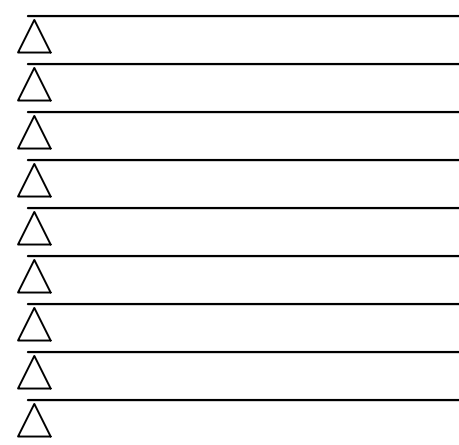
WARE WASHING 3/8" = 1'-0"



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



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

TACO BELL
LIVE MAS
 LARGE50 - REVERSE
INTERIOR ELEVATIONS KITCHEN

A8.2
 PERMIT PLOT DATE:



△ CITY COMMENTS -- 05.19.17

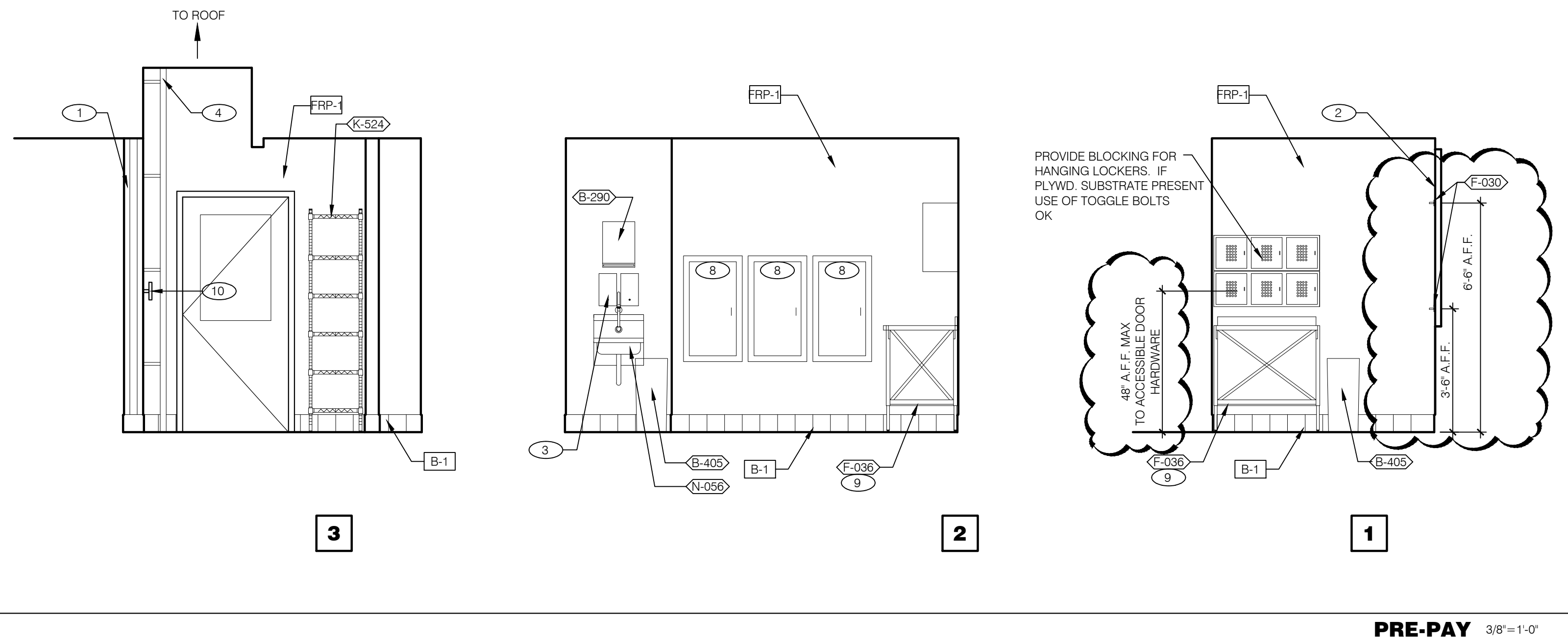
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

TACO BELL
LIVE MAS
 LARGE50 - REVERSE
INTERIOR ELEVATIONS KITCHEN

A8.3

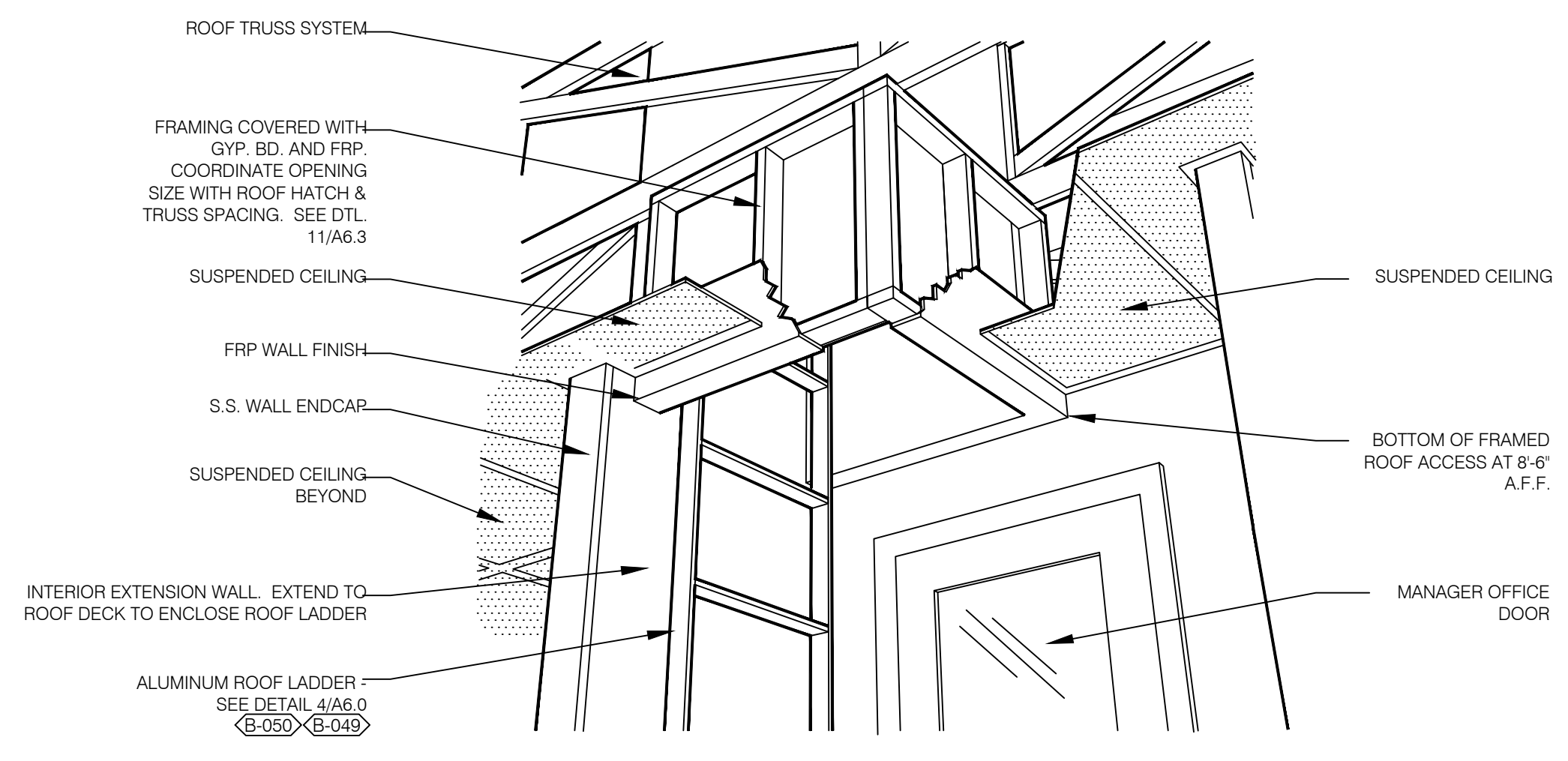
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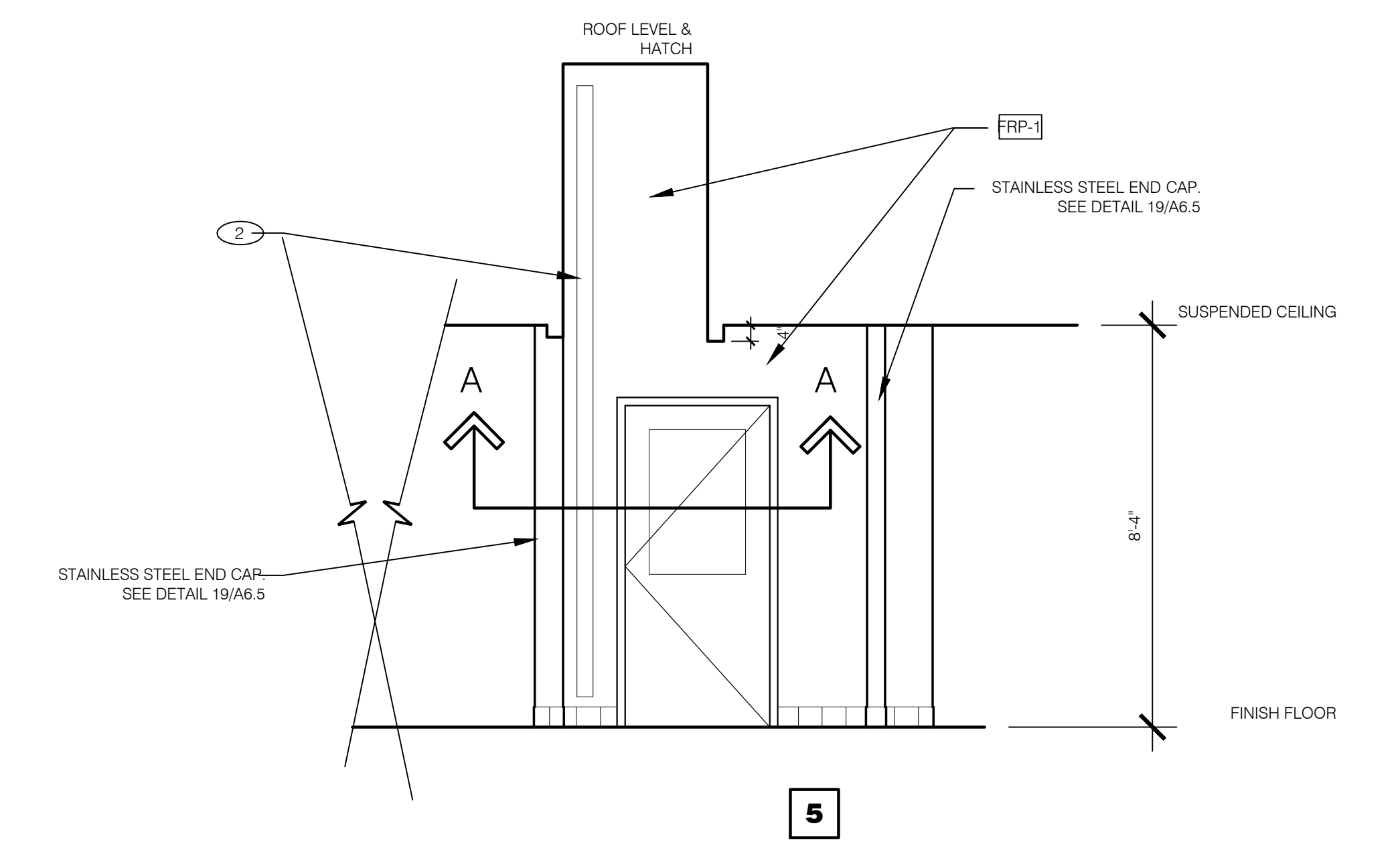
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MOP SINK INSTALLATION N.T.S. **C**

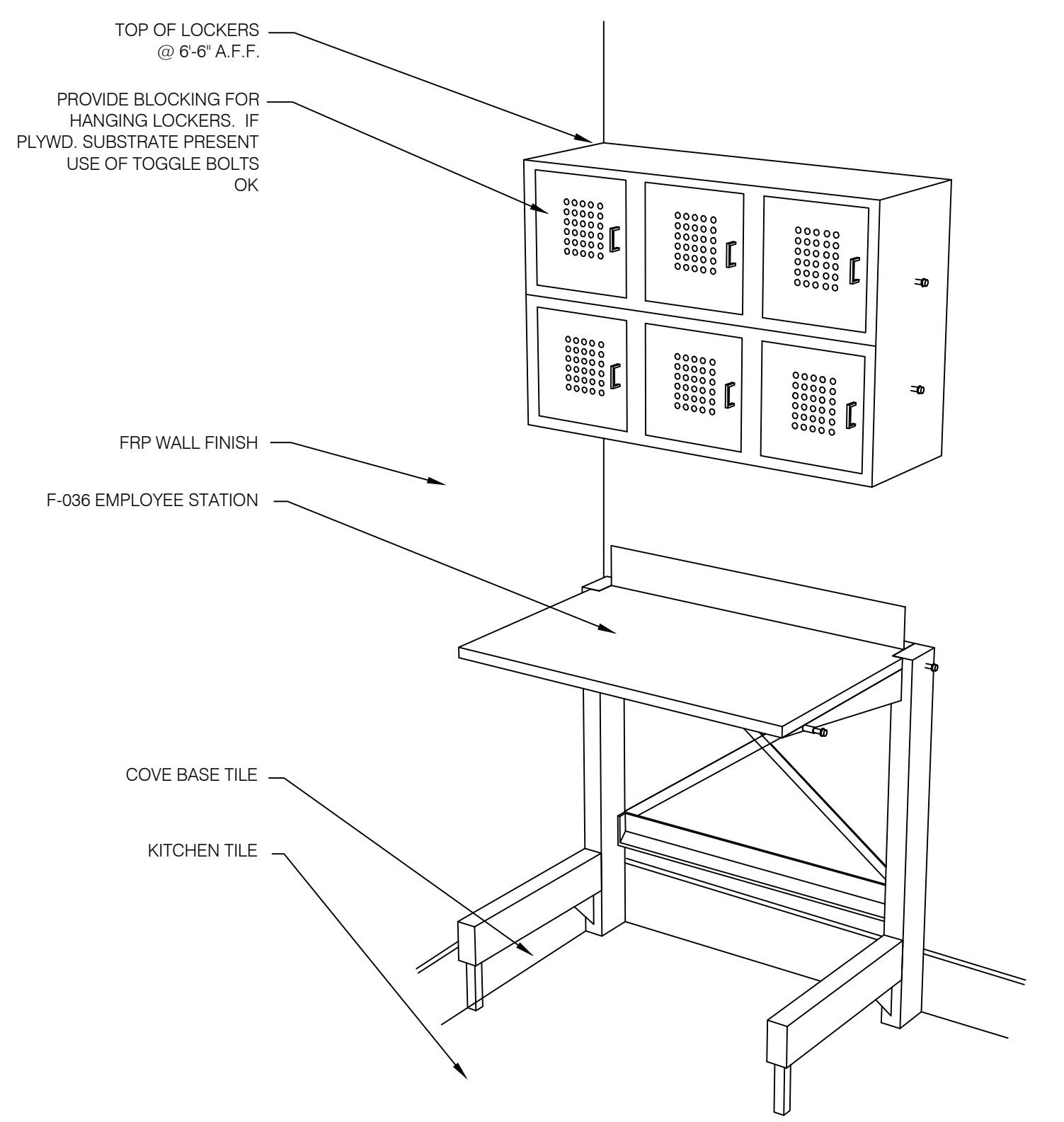
PRE-PAY 3/8\"/>



A - ROOF LADDER VIEW



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



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

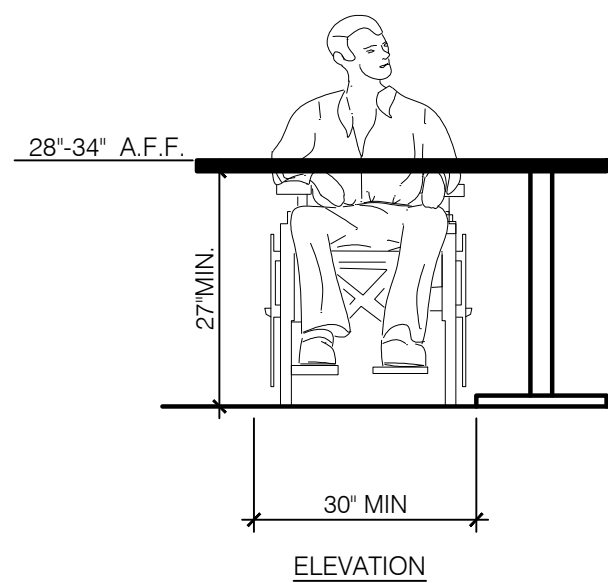
- NOT USED**
- 1 SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
 - 2 FRP OVER WINDOW INFILL
 - 3 SOAP / HAND SANITIZER DISPENSER - BY ECOLAB.
 - 4 ROOF LADDER.
 - 5 NOT USED.
 - 6 WALL SHOWN PARALLEL TO VIEW FOR CLARITY.
 - 7 NOT USED.
 - 8 ELECTRICAL PANEL. REFER TO ELECTRICAL SHEETS.
 - 9 EMPLOYEE WORK STATION. REFER TO DETAIL B THIS SHEET. PROVIDE AT LEAST 1 LOCKER MOUNTED TO ACCESSIBLE HEIGHT (5% MINIMUM)
 - 10 ANSUL PULL STATION.

KEY NOTES **A**

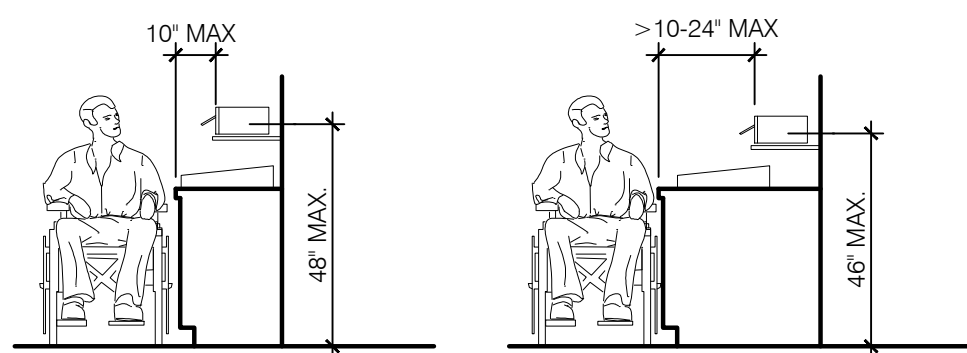
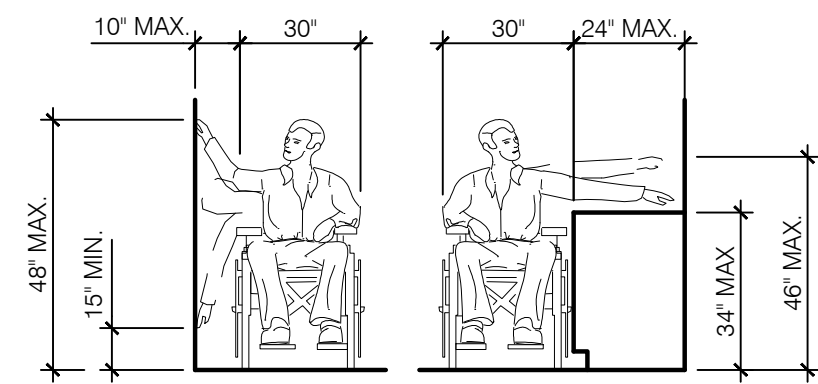
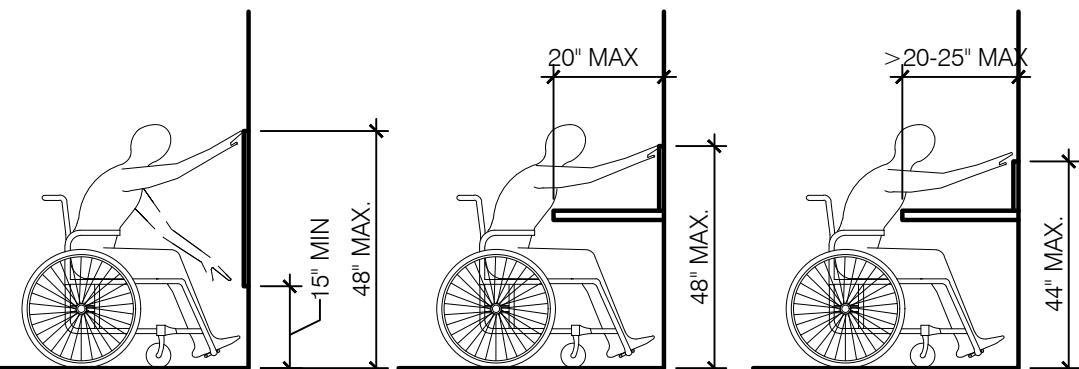
TOTAL SEATS ACCESSIBLE SEATS

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

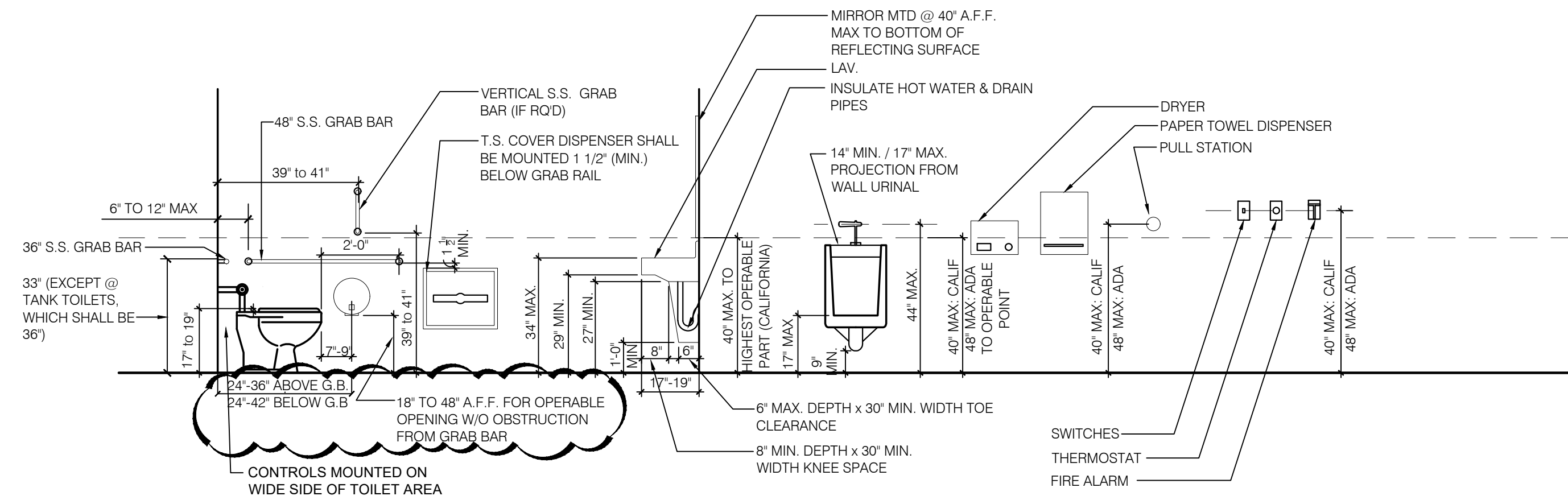


SEATING AND TABLES N.T.S. **18**

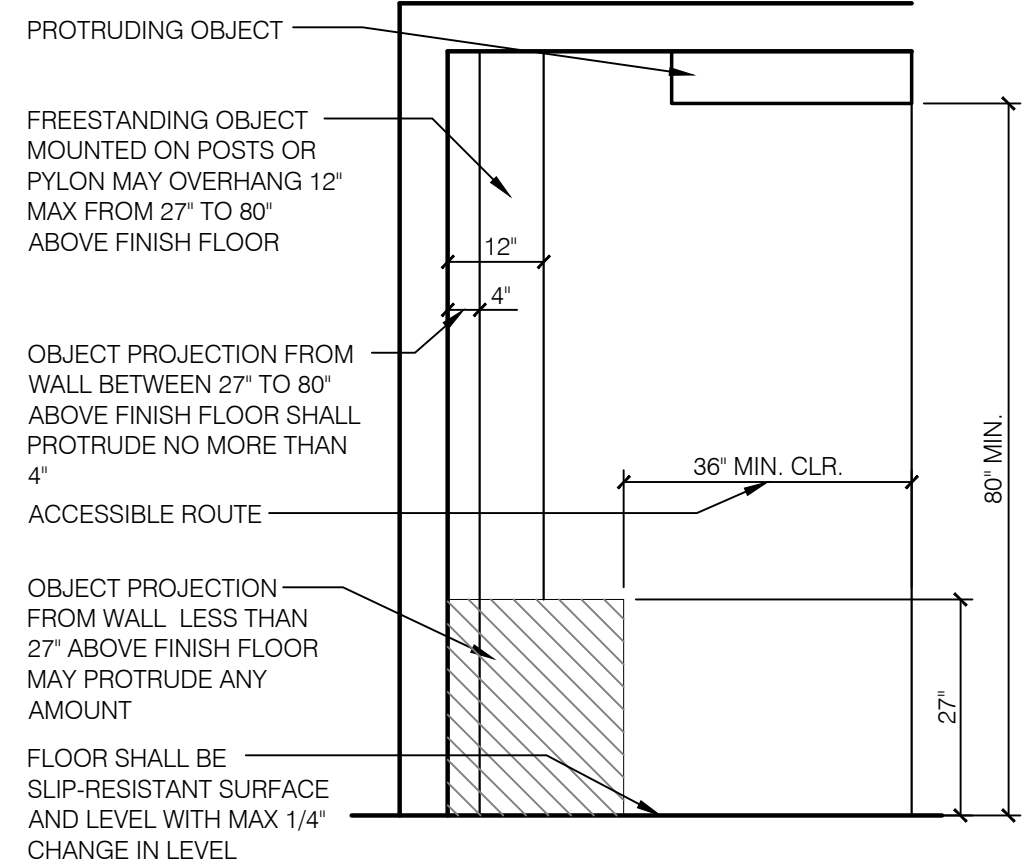


REACH RANGES N.T.S. **14**

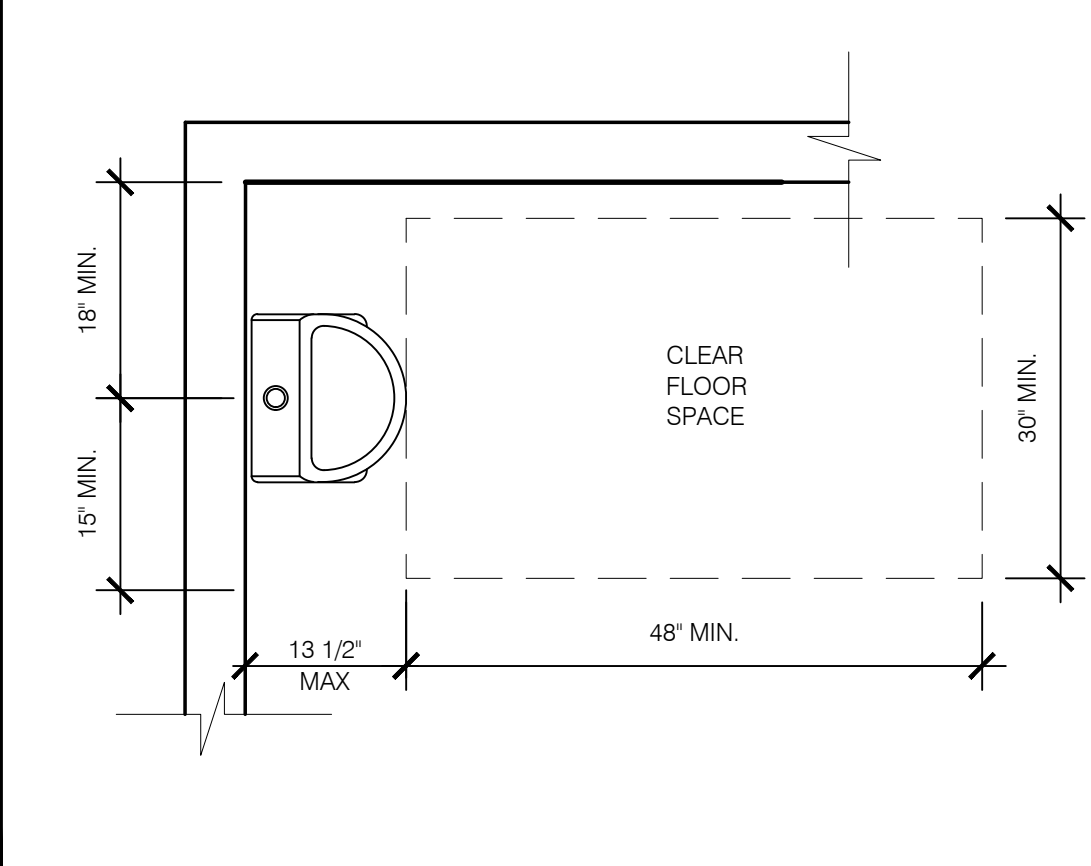
- NOTES:
- TOP OF GRIPPING SURFACE 33" TO 36" MAX TO THE TOP OF THE BAR. SEE NOTES BELOW
 - 12" MINIMUM CLEAR ABOVE GRAB BAR



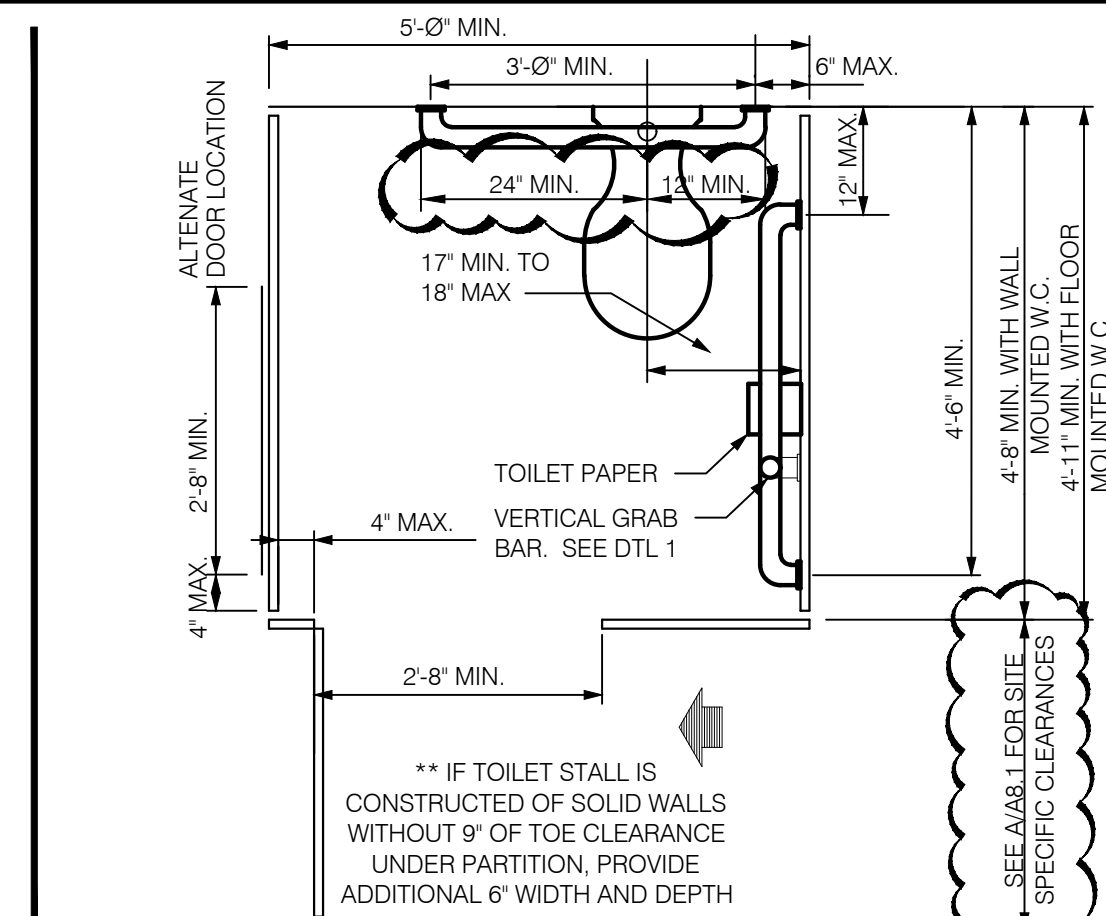
MOUNTING HTS. & CLEARANCES FOR ACCESSIBILITY BY THE DISABLED N.T.S. **1**



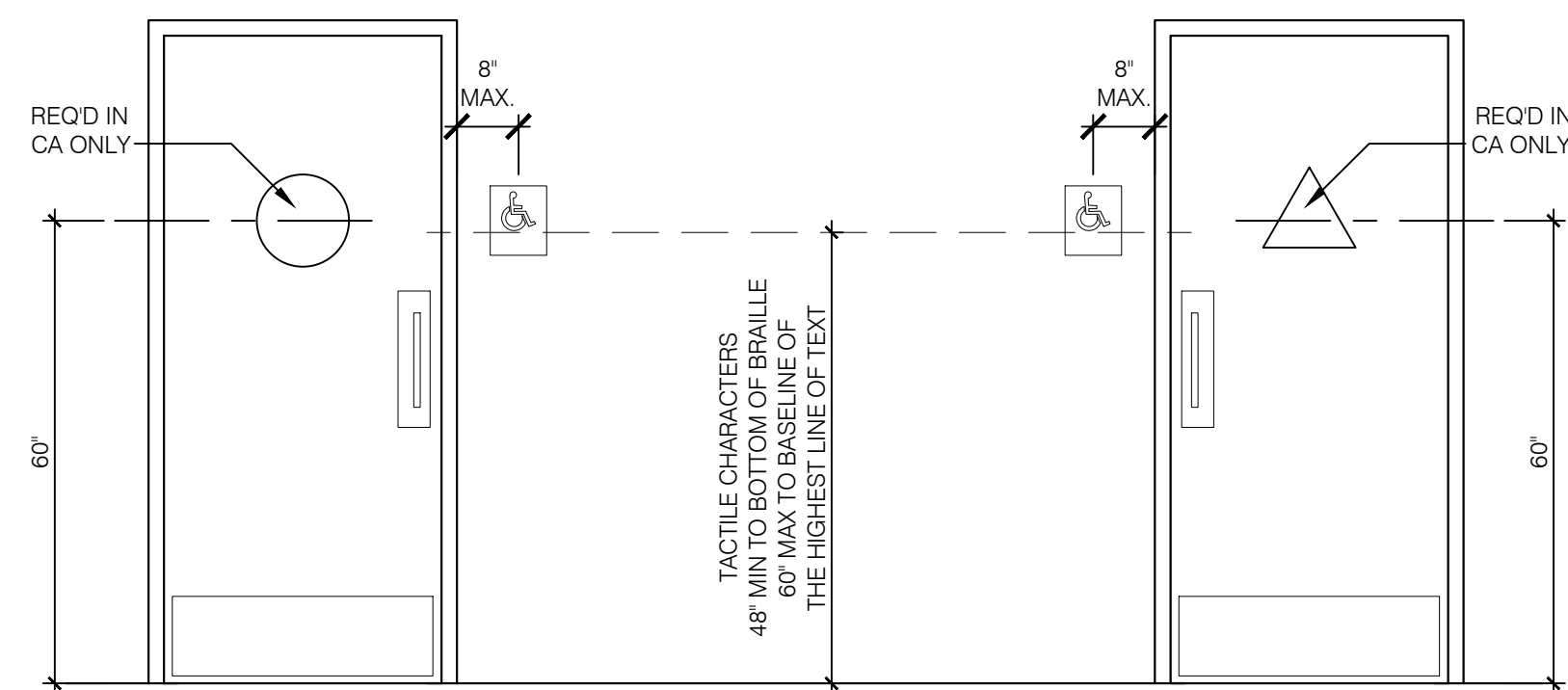
INT. ACCESS. ROUTE CLEARANCES 1/2" = 1'-0" **10**



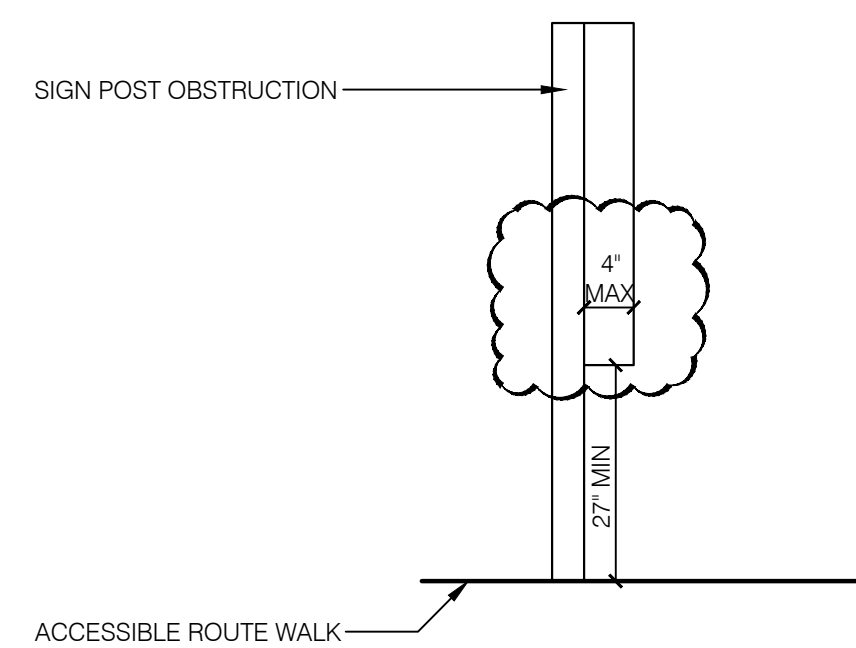
ACCESSIBLE URINAL 3/4" = 1'-0" **6**



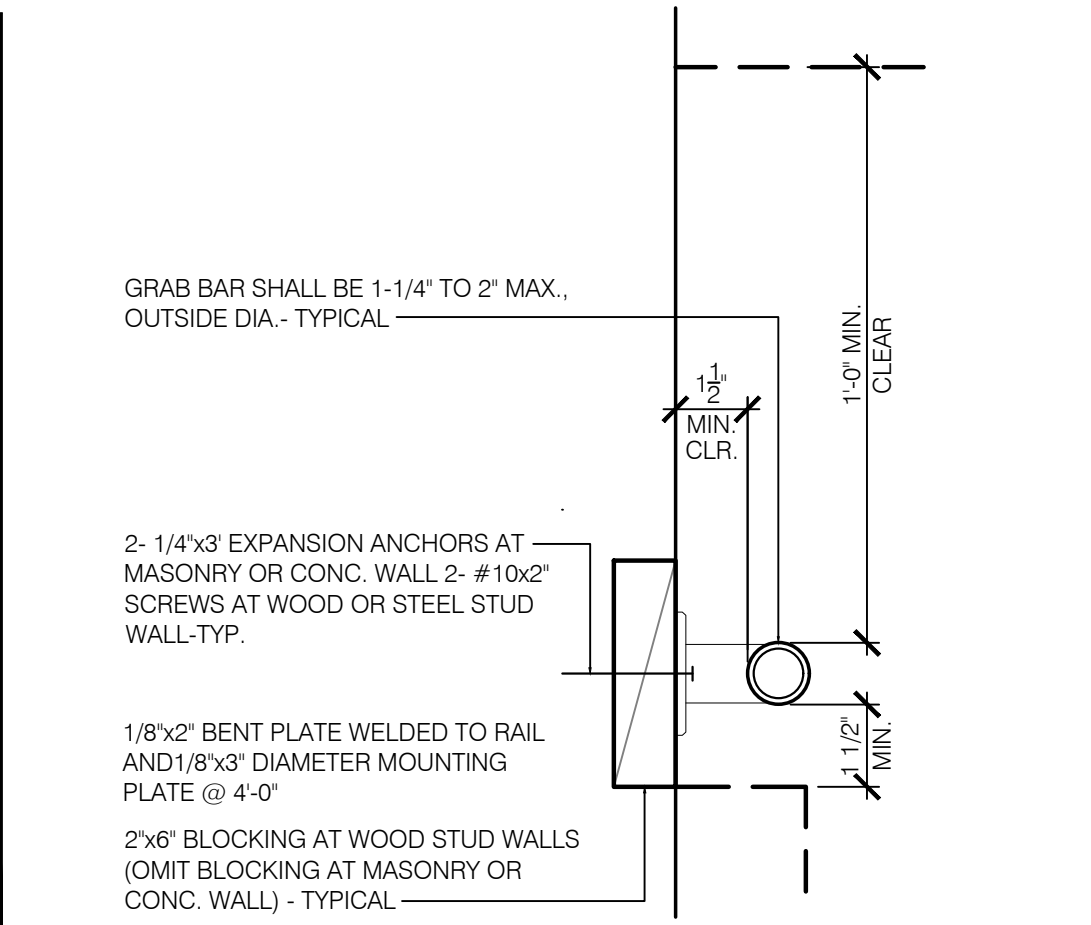
STANDARD TOILET STALL N.T.S. **2**



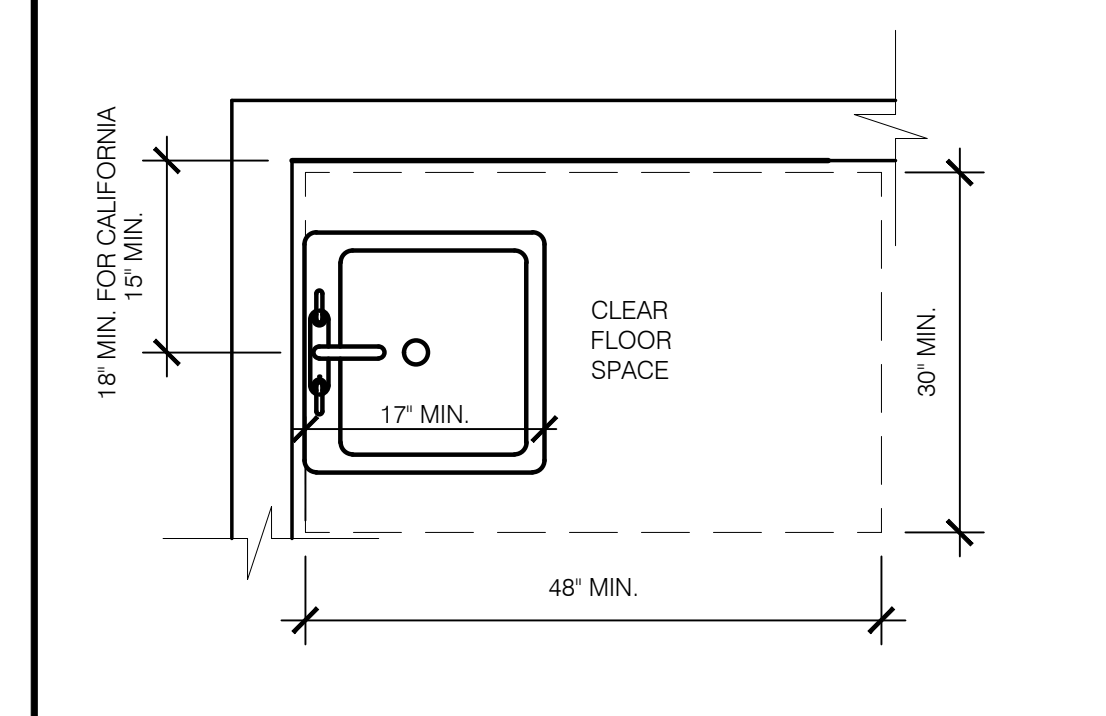
ACCESSIBLE RESTROOM DOORS N.T.S. **15**



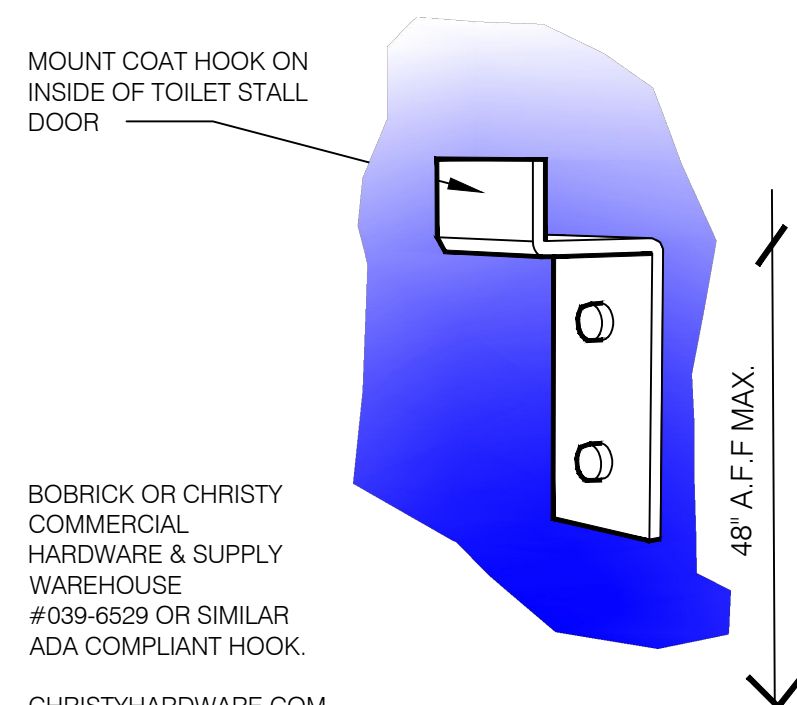
PROTRUDING HAZARDS 1/2" = 1'-0" **11**



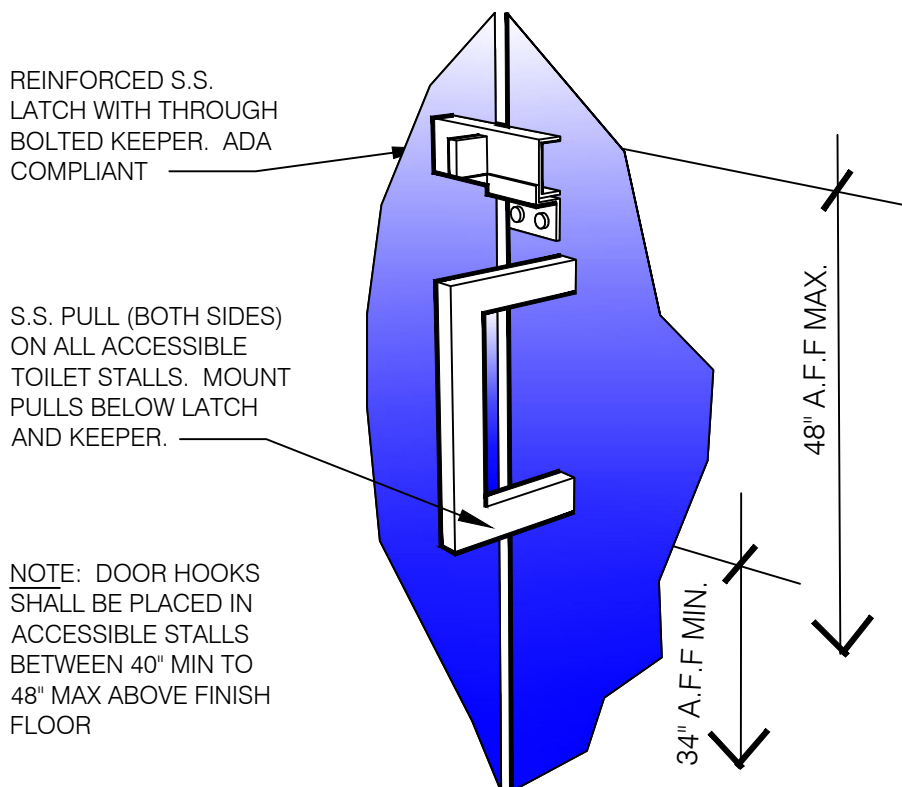
GRAB BAR 3'-1'-0" **7**



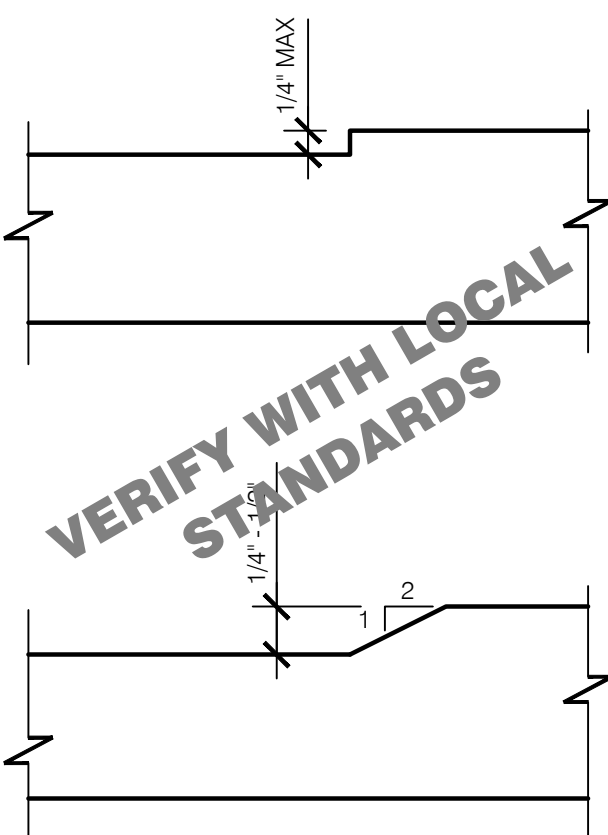
ACCESSIBLE LAVATORY 3/4" = 1'-0" **3**



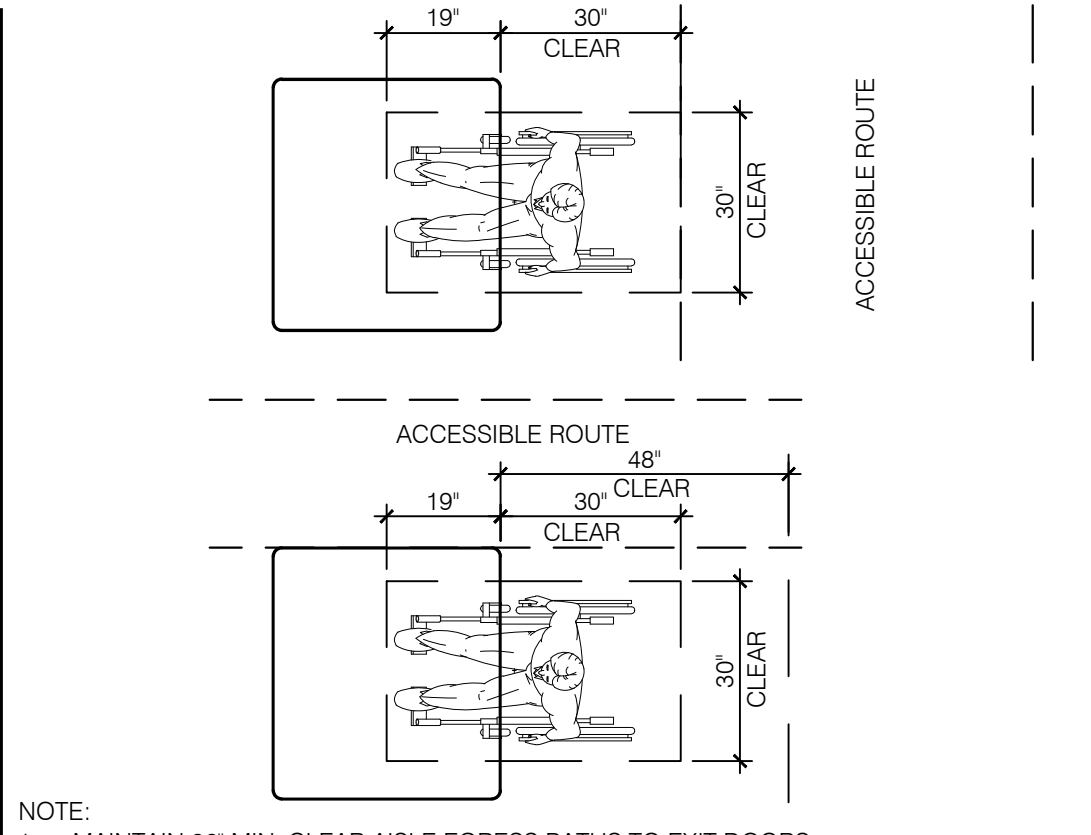
COAT HOOK N.T.S. **20**



PARTITION DOOR LATCH @ PULL **16**



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



DINING ROOM SEATING CLEARANCES N.T.S. **8**

1. INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.
- THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.
2. 60" TURNING SPACE
- PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
 - CAN OVERLAP FIXTURE & DOOR CLEARANCE
 - DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"
3. RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"X48" IS PROVIDED BEYOND THE DOOR SWING.
4. TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES

GENERAL NOTES **4**

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- △ CITY COMMENTS - 05.19.17
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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

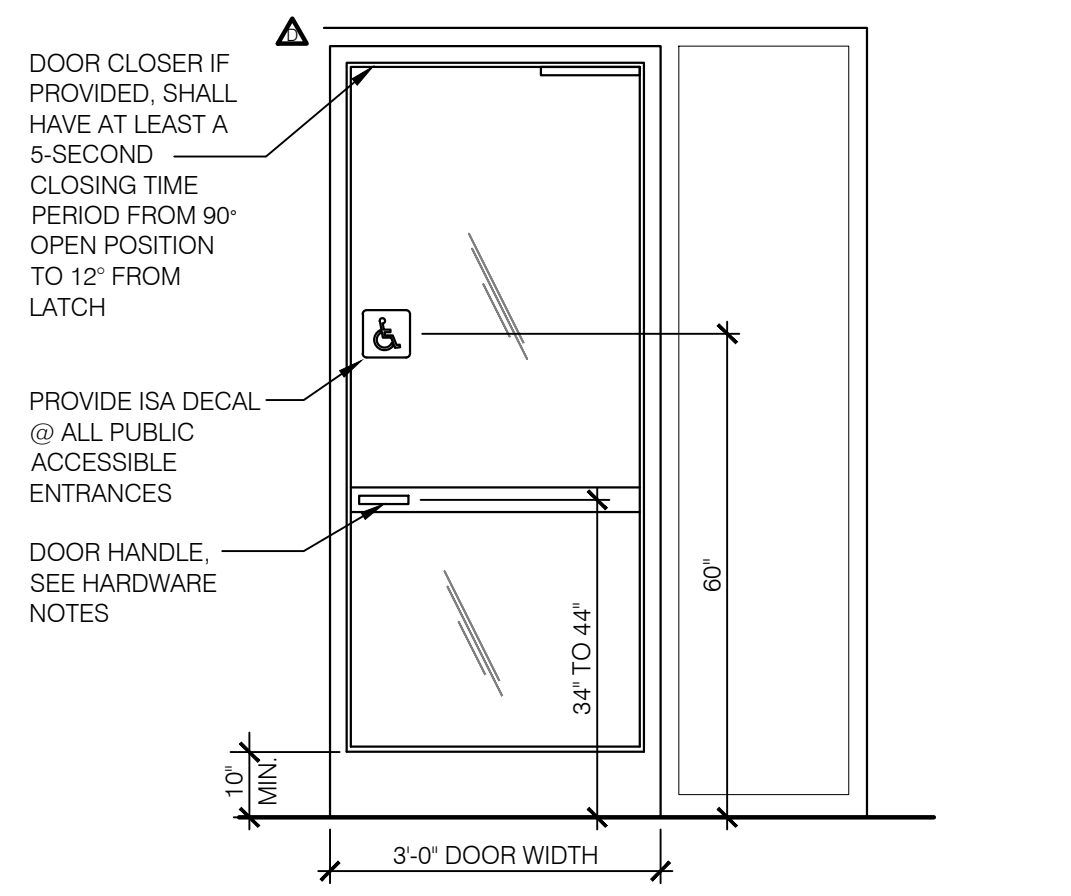
TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



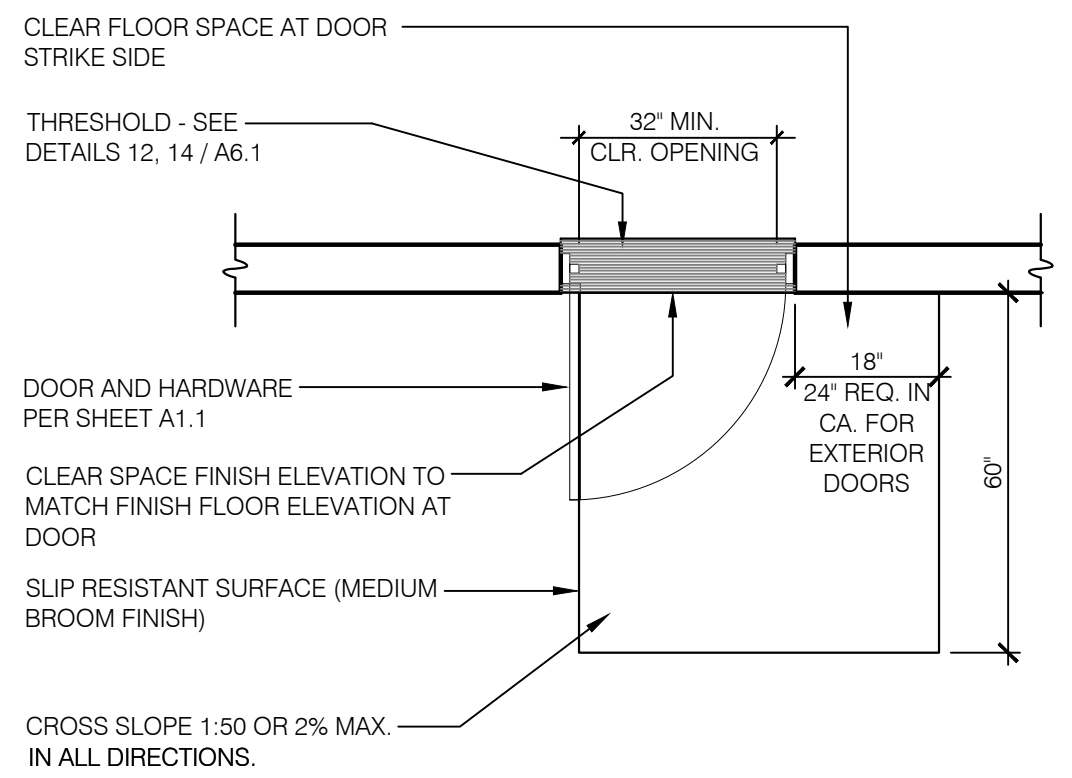
ACCESSIBILITY REQUIREMENTS

ADA 1.0

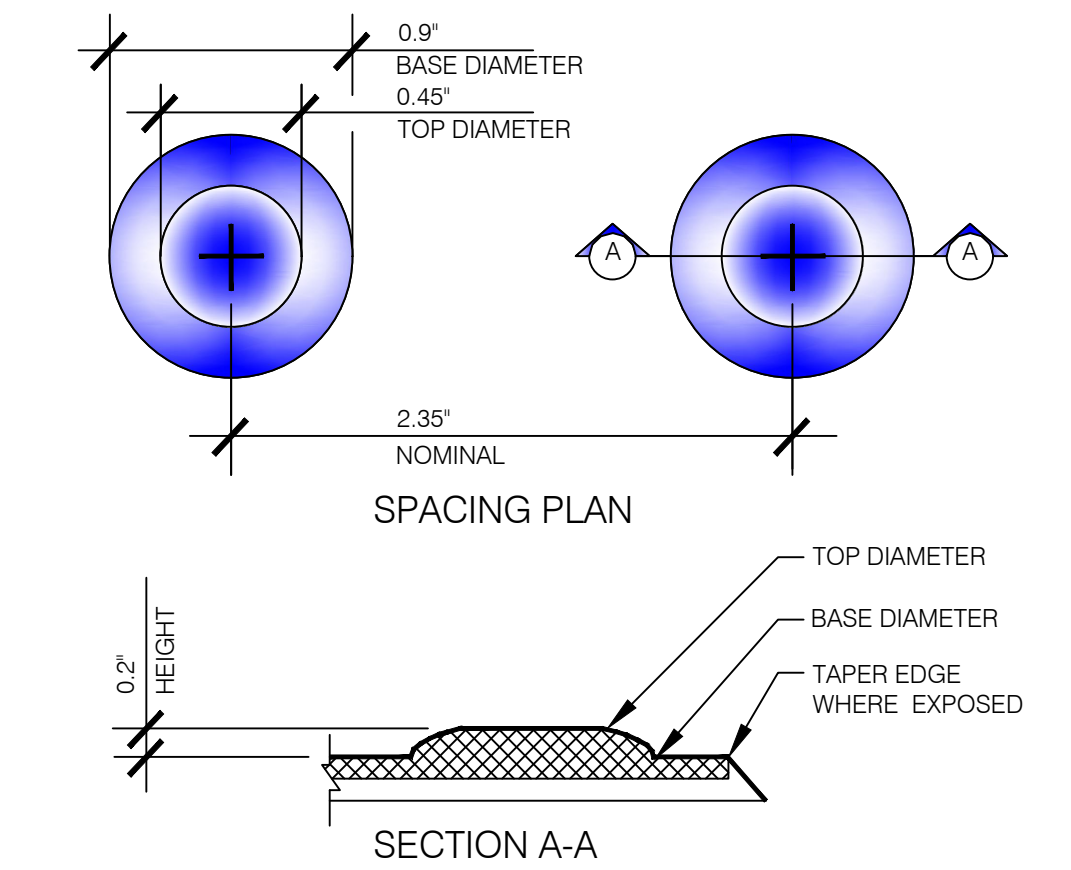
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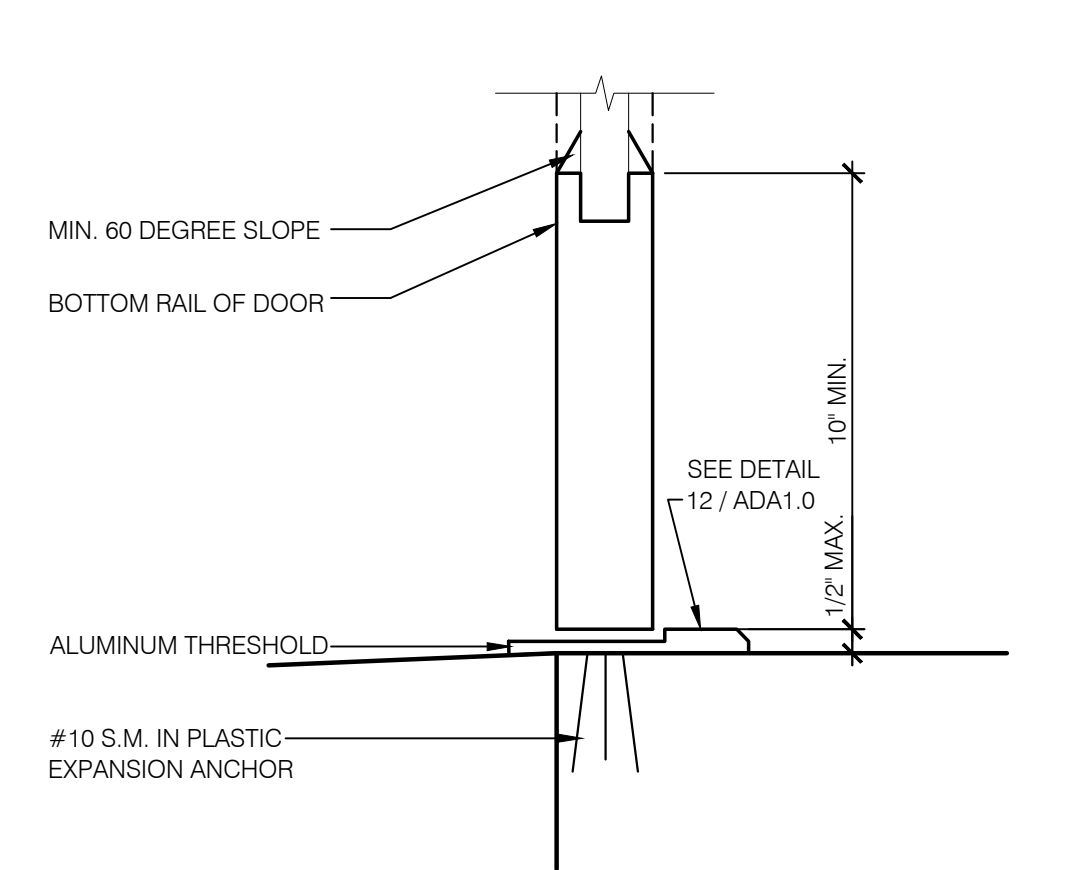
TYP. ENTRANCE / EXIT DOOR N.T.S. **17**



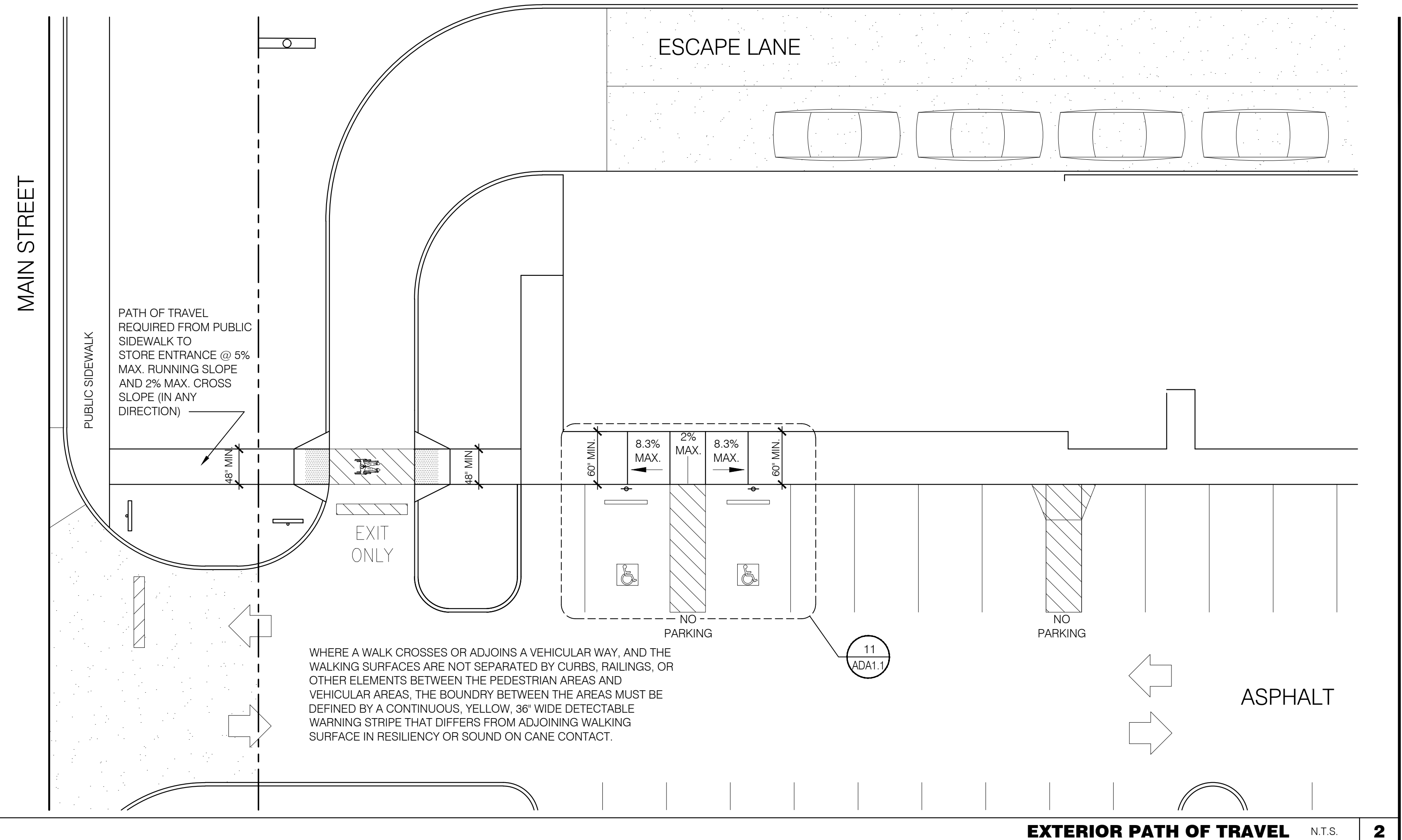
EXTERIOR DOOR REQUIREMENTS 1/2" = 1'-0" **13**



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

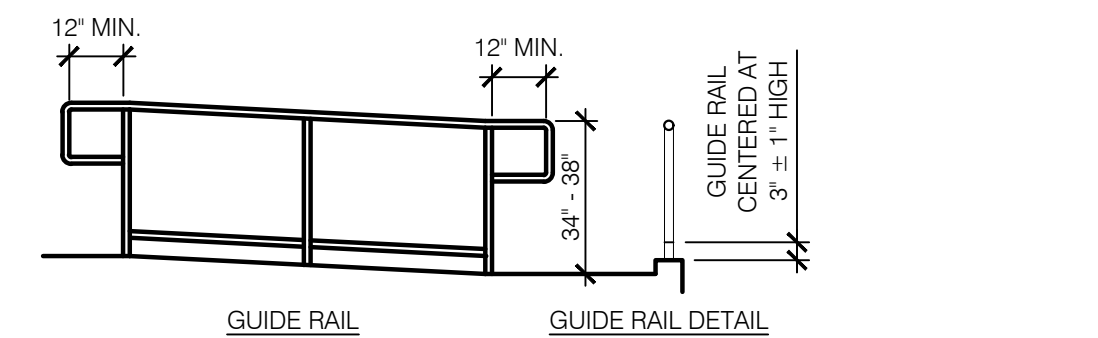


BOTTOM RAIL (EXTERIOR DOOR) 3" = 1'-0" **14**



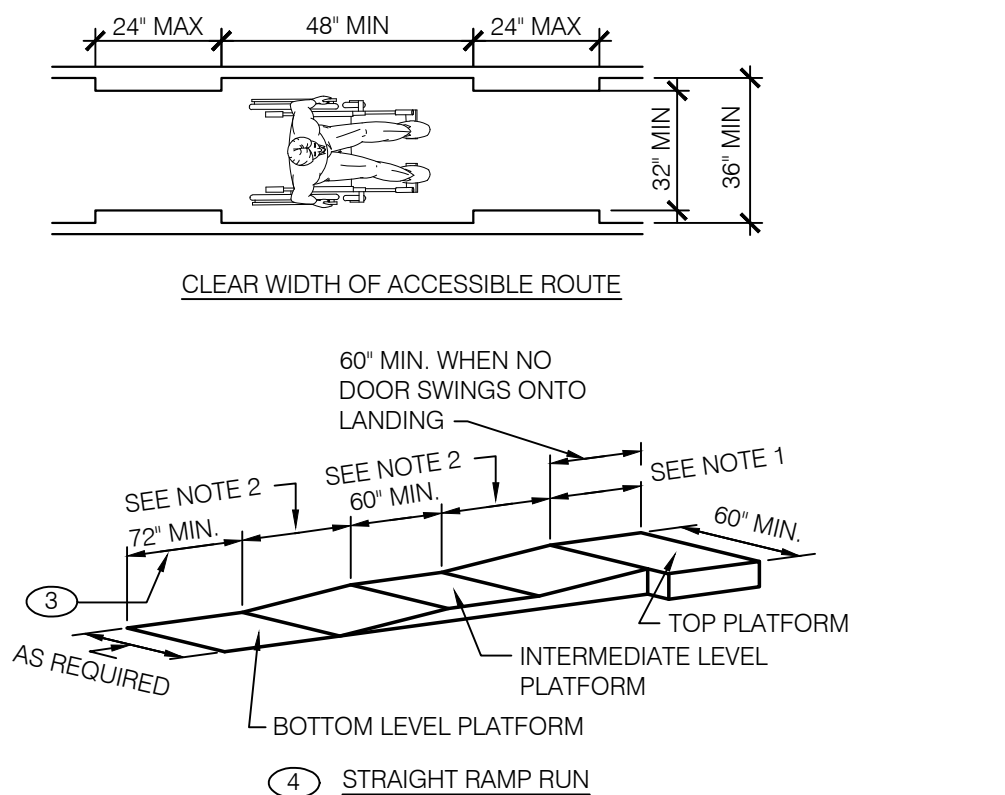
EXTERIOR PATH OF TRAVEL N.T.S. **2**

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

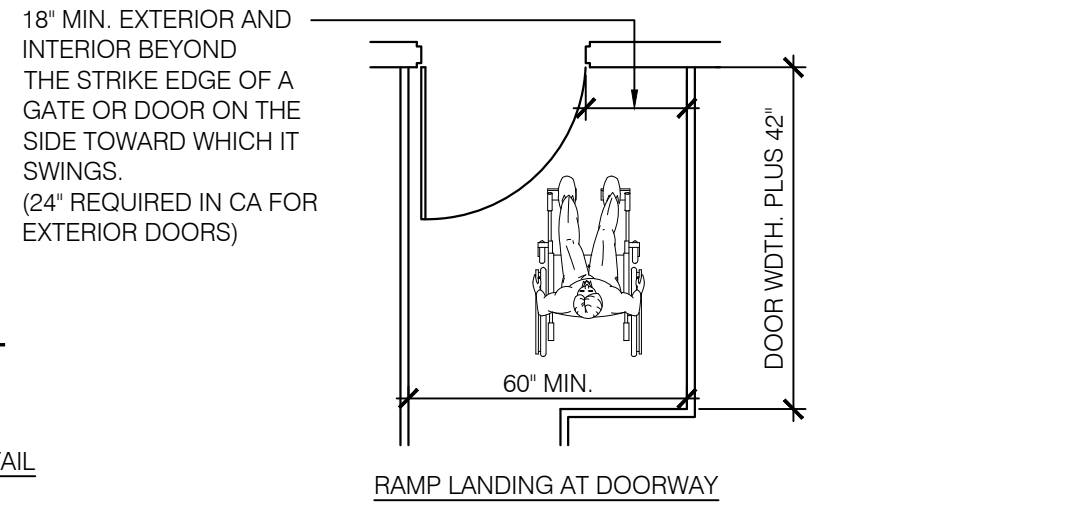


GUIDE RAIL

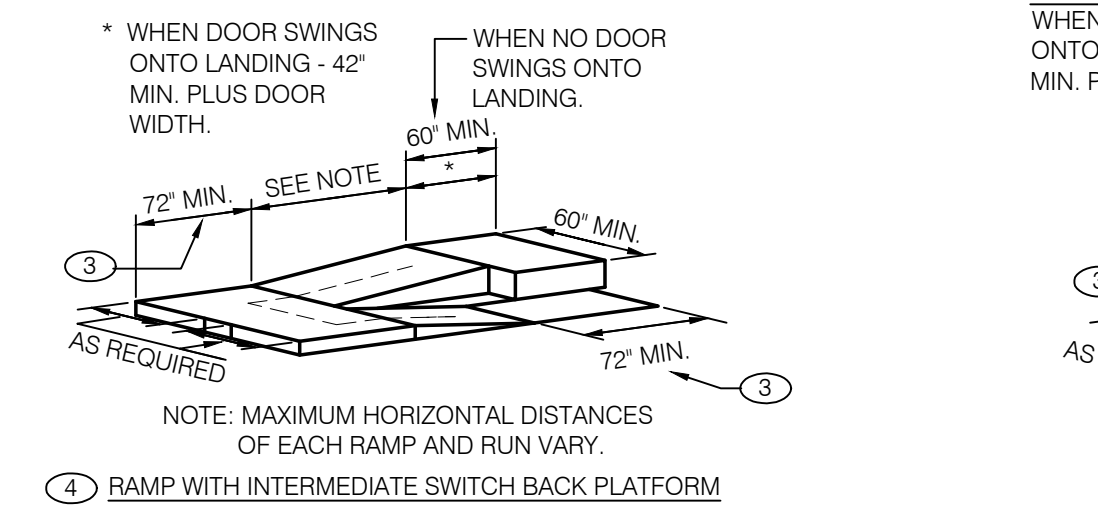
GUIDE RAIL DETAIL



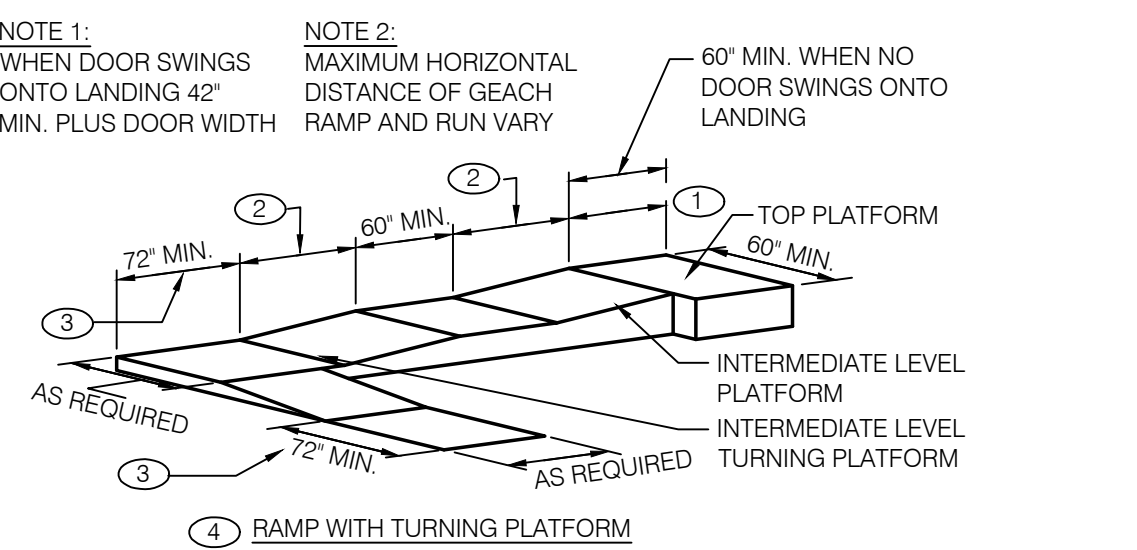
STRAIGHT RAMP RUN



RAMP LANDING AT DOORWAY

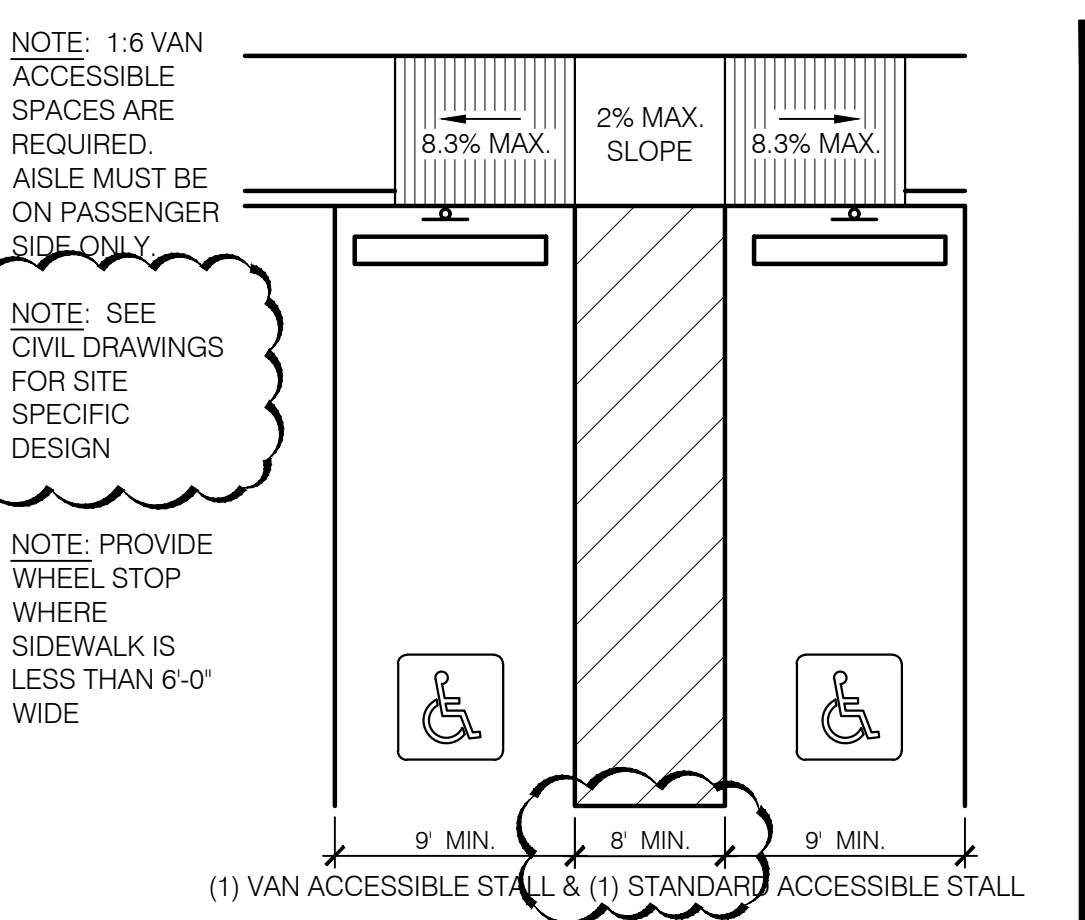


RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM

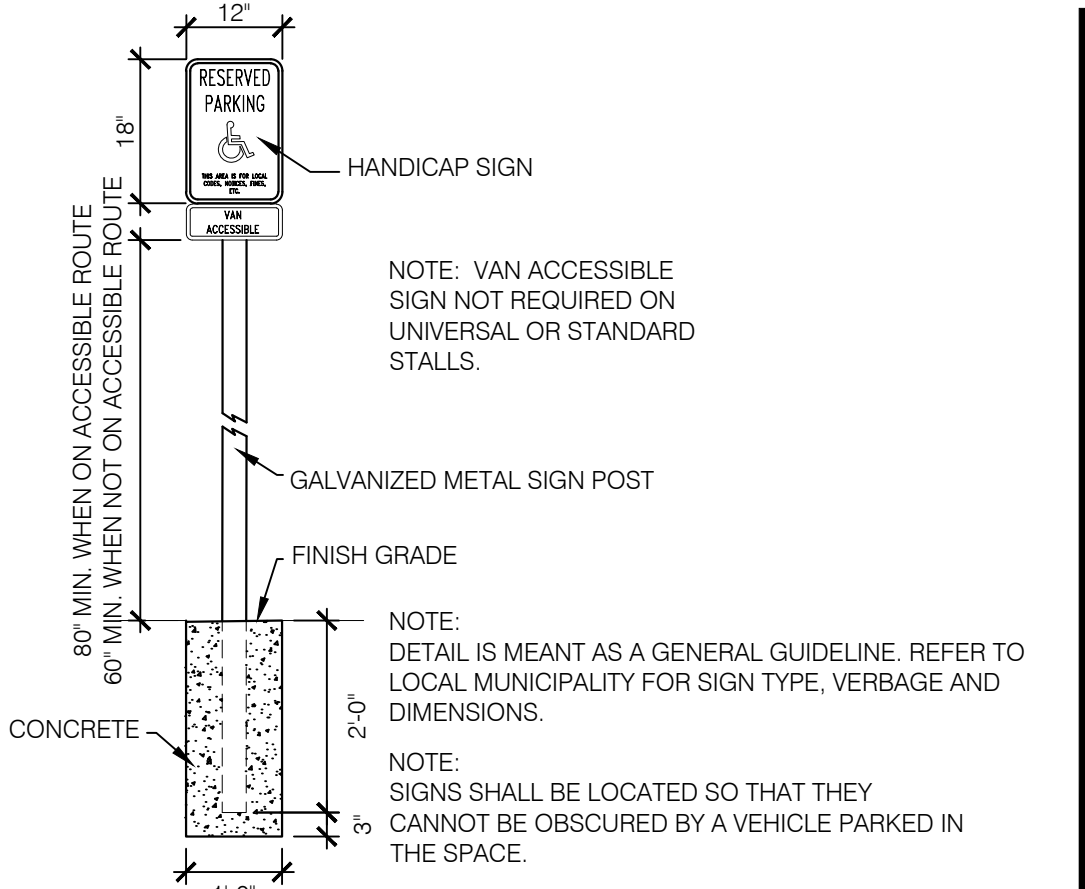


RAMP WITH TURNING PLATFORM

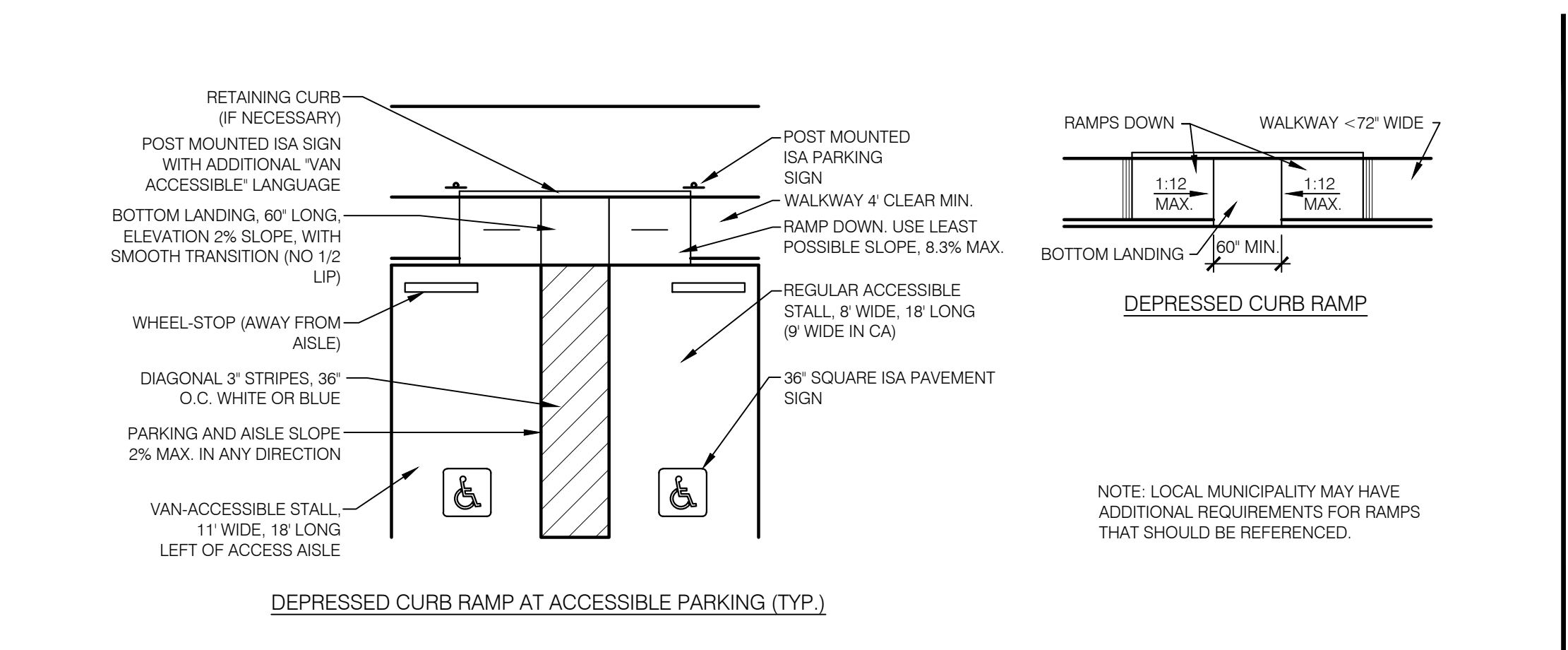
RAMPS N.T.S. **16**



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

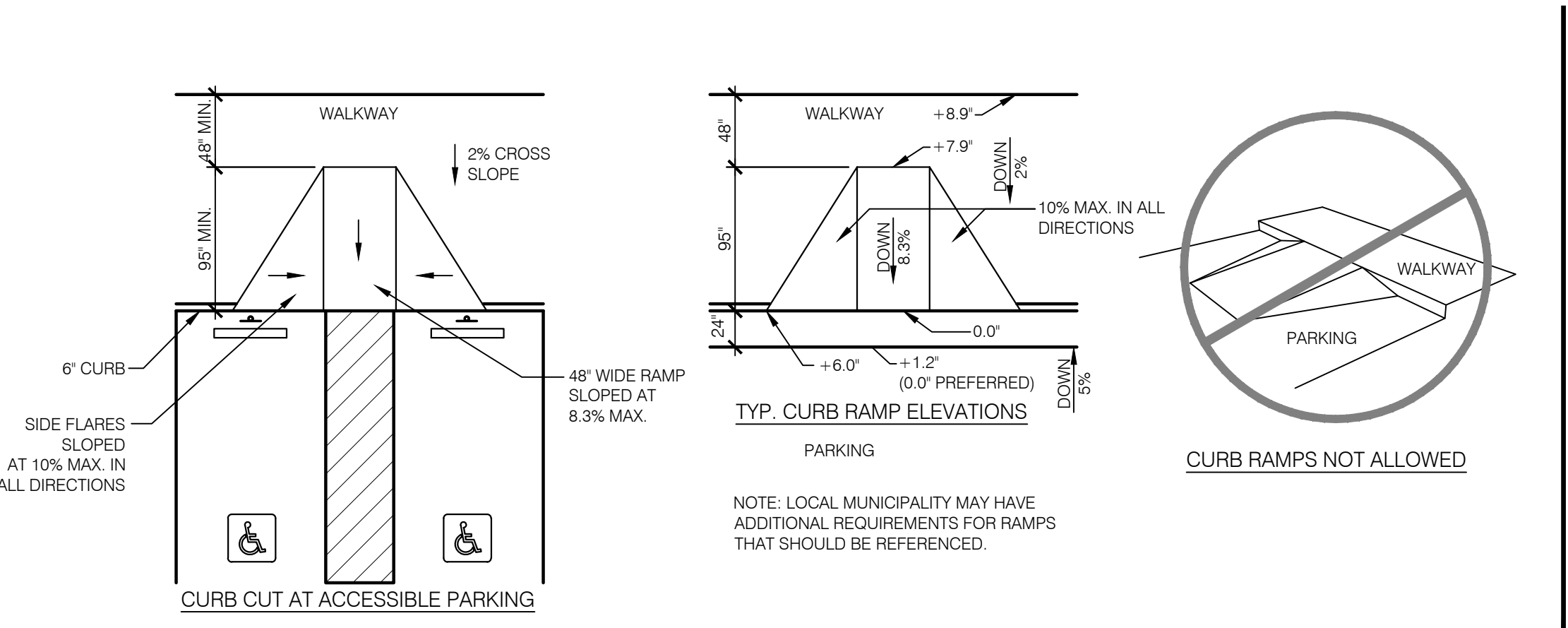


ACCESSIBLE PARKING SIGN N.T.S. **12**



DEPRESSED CURB RAMP AT ACCESSIBLE PARKING (TYP.)

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



CURB CUT AT ACCESSIBLE PARKING

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

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- CITY COMMENTS - 05.19.17**
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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



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 YORK 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 TEC2864Z, AND JOHNSON CONTROLS REMOTE THERMOSTAT MODEL TEC2847Z-3+PIR, PROVIDED WITH YORK PACKAGE.
- YORK DUCT MOUNTED HUMIDITY SENSOR MODEL #BAYSENS037A, PROVIDED WITH YORK 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 YORK PACKAGE.
	THERMOSTAT SENSOR (REMOTE), PROVIDED WITH YORK PACKAGE.
	HUMIDITY SENSOR (REMOTE), PROVIDED WITH YORK 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/OA	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	IEER	INPUT STAGE (MBH)	OUTPUT (MBH)	PHASE (STAGES)	AFUE	VOLTS/PH	MCA	MOPD			
RTU-1	DINING	3400	750	1.0'	3	1032	8.5	106.0/77.0	12.0	180	144	2	80	208/3	41.3	50	1595	YORK ZJ102N15R2M	SEE NOTES 1,2,3,4,5,6
RTU-2	KITCHEN	5200	1160	1.0'	5	980	15	190.3/132.6	12.4	400	320	2	80	208/3	86.5	100	3350	YORK ZJ180N32D2M	SEE NOTES 1,2,3,4,5,6

- 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 88 DEG. F. & 72 DEG. F. WB, WINTER -1.0 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.
 - SPECIFIED UNIT INCLUDES SUPPLY AIR TEMPERING CONTROL.
 - SPECIFIED RTUS SHALL BE SUPPLIED WITH OVERSIZED INDOOR FAN MOTOR AND EVAPORATOR MOTOR.
 - THERMOSTATS: HONEYWELL VISION PRO 8000 WITH WALL MOUNT REMOTE SENSOR.



HVAC UNIT SCHEDULE 1

XX-XXX MARK	CFM	SP	RPM	HP	ELECT	STARTER	ACCESSORIES					MANUFACTURER AND MODEL NUMBER	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
EF-2	780	.375	1196	1/4	120/1	-	X	X	X		X	STRATOVENT #SVDR30HFA	SEE NOTES 2,4,7,8,9,10

REMARKS:
 1. UL 782 LISTED (GREASE)
 2. UL785 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

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
							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	METAL-AIRE / TITUS	RHE-H-1 / 50FF	HINGED / FULLY REMOVABLE FACE
E-1	4	8x8	12X12		(4)	0-200	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, 3936 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 22.3% 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.

TACO BELL HAS A NATIONAL HVAC AGREEMENT WITH YORK NATIONAL ACCOUNTS. FOR QUOTES & TECHNICAL SPECIFICATIONS, PLEASE CONTACT MATT MCNAIR, YORK PRODUCT APPLICATION ENGINEER AT 800-481-9739. FAX 986-406-9875. FOR ALL OTHER INQUIRIES, PLEASE CONTACT NATALIE DEROUSSE, YORK NATIONAL ACCOUNT SALES MANAGER AT 405-419-6416.

YORK HAS 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. YORK ALSO HAS 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.

YORK PACKAGE N.T.S. 8

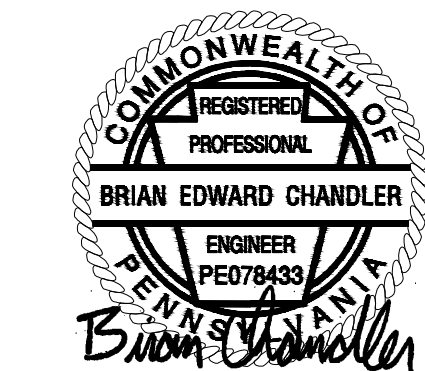
AIR BALANCE SCHEDULE CFM 4

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 kathleendayarchitect@gmail.com

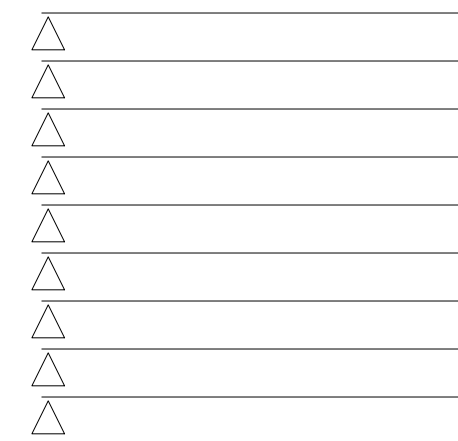
ENGINEER:

BRIAN EDWARD CHANDLER, PE

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 SUITE 510
 IRVING, TX 75038
 PHONE: 972.80.1288
 E-MAIL: bchandler@bchandler.com



04.05.17



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL

TBD Freeport Road
 Natrona Heights, PA 15065



LIVE MAS

LARGE50 - REVERSE

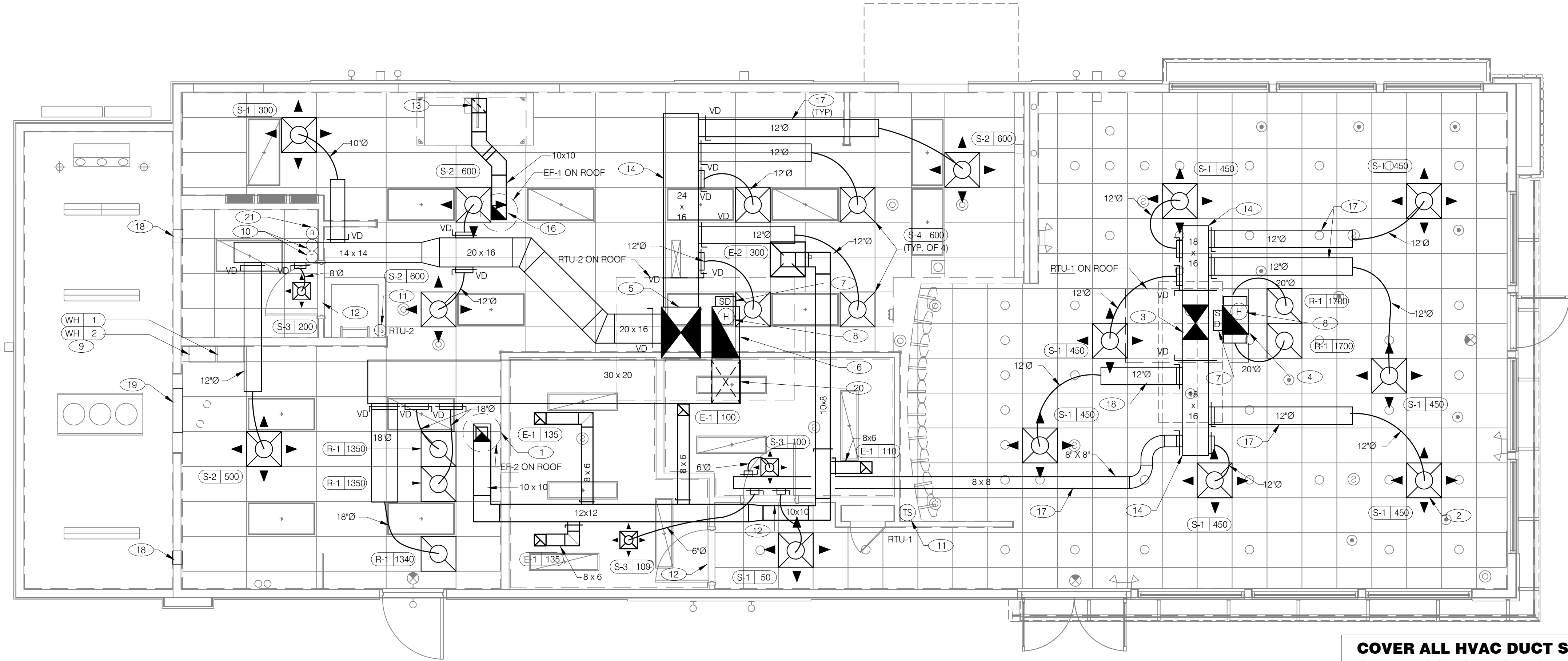
MECHANICAL SCHEDULES AND NOTES

M1.0

PERMIT PLOT DATE:



04.05.17



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

12 11 10 9 8 7 6 5 4 3 2 1
DUCT AND DIFFUSER PLAN 1/4"=1'-0" A

- 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.
- 24X20 SUPPLY AIR DUCTS UP. CONNECT TO 24X20 SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1.
- 26X18 RETURN AIR DUCT UP. CONNECT TO 26X18 RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1.
- 20X34 SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-2.
- 32X34 RETURN AIR DUCT UP. CONNECT TO 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 COMBUSTION AIR INTAKE AND VENT 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 TRUSSES 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 TRUSSES AS HIGH AS POSSIBLE UNDER ROOF.
- 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.
- EXHAUST DUCTWORK RUN UP BETWEEN ROOF TRUSSES TO EF-1.
- RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (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.
- RETURN AIR PLENUM DOWN FROM RTU-2. TRANSITION TO 30X20 RETURN AIR DUCT ROUTED TIGHT TO ROOF TRUSSES ABOVE. COORDINATE INSTALLATION WITH ALL TRADES, CEILING SPACE WILL BE CRITICAL IN THIS AREA.

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

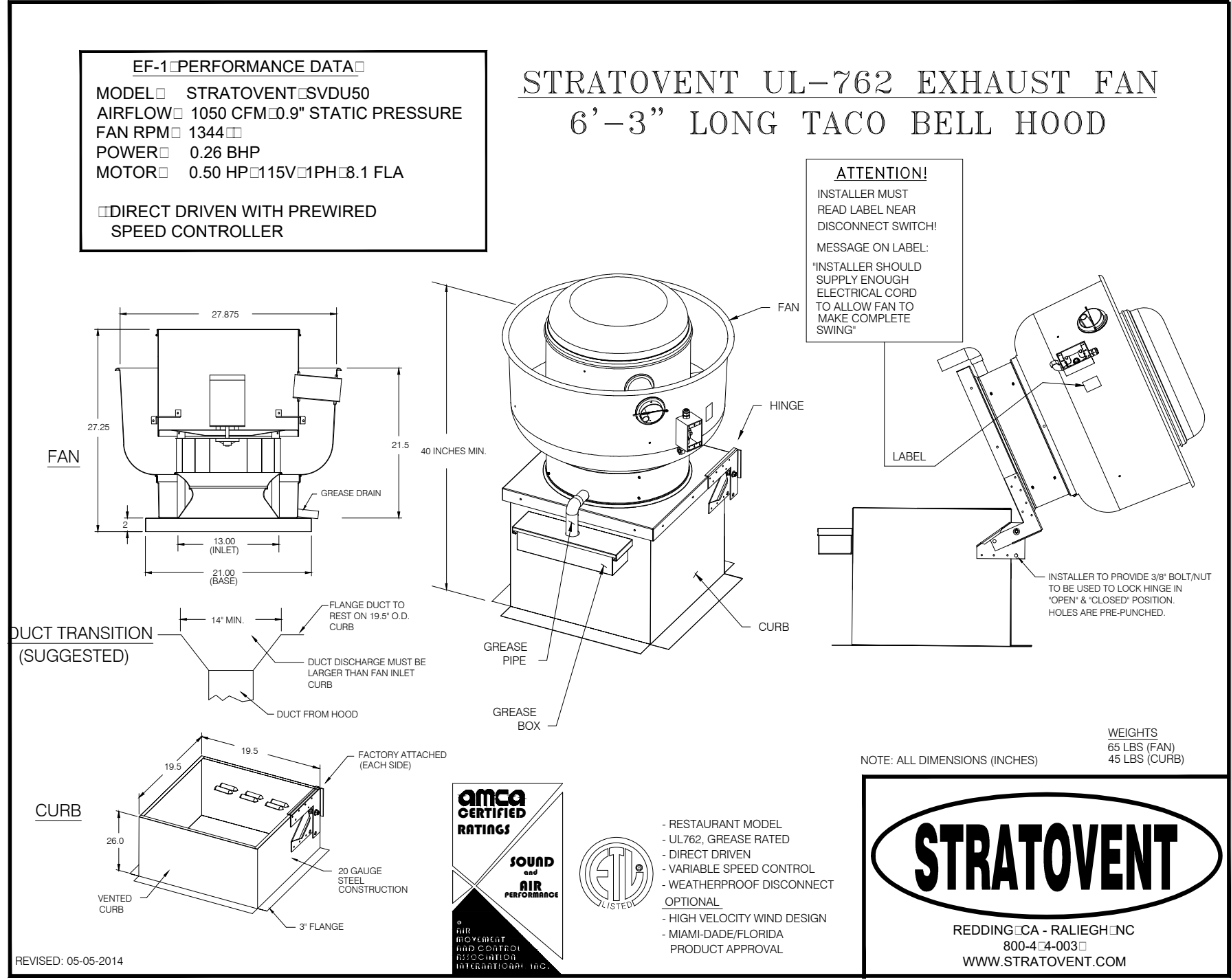
TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



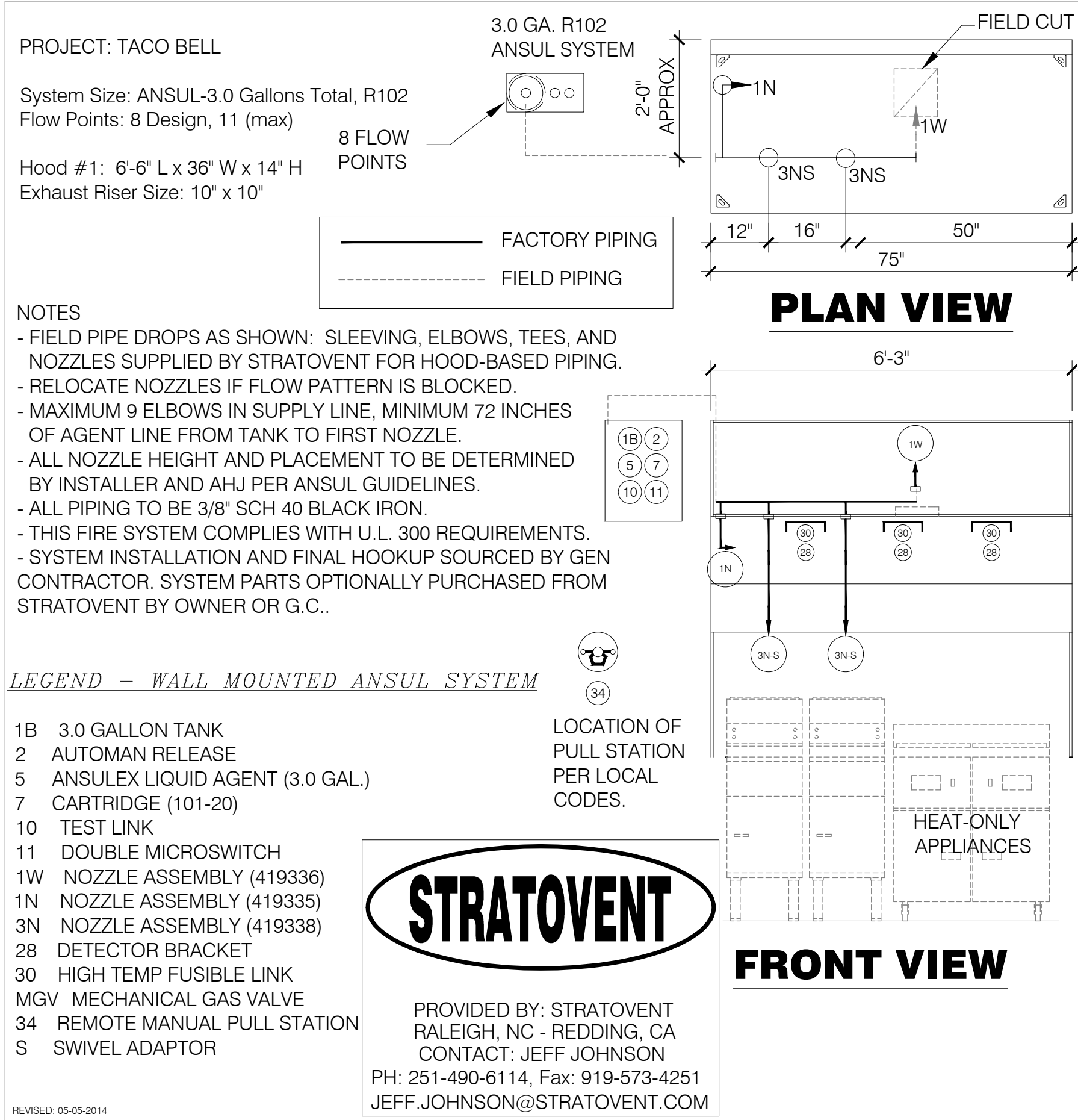
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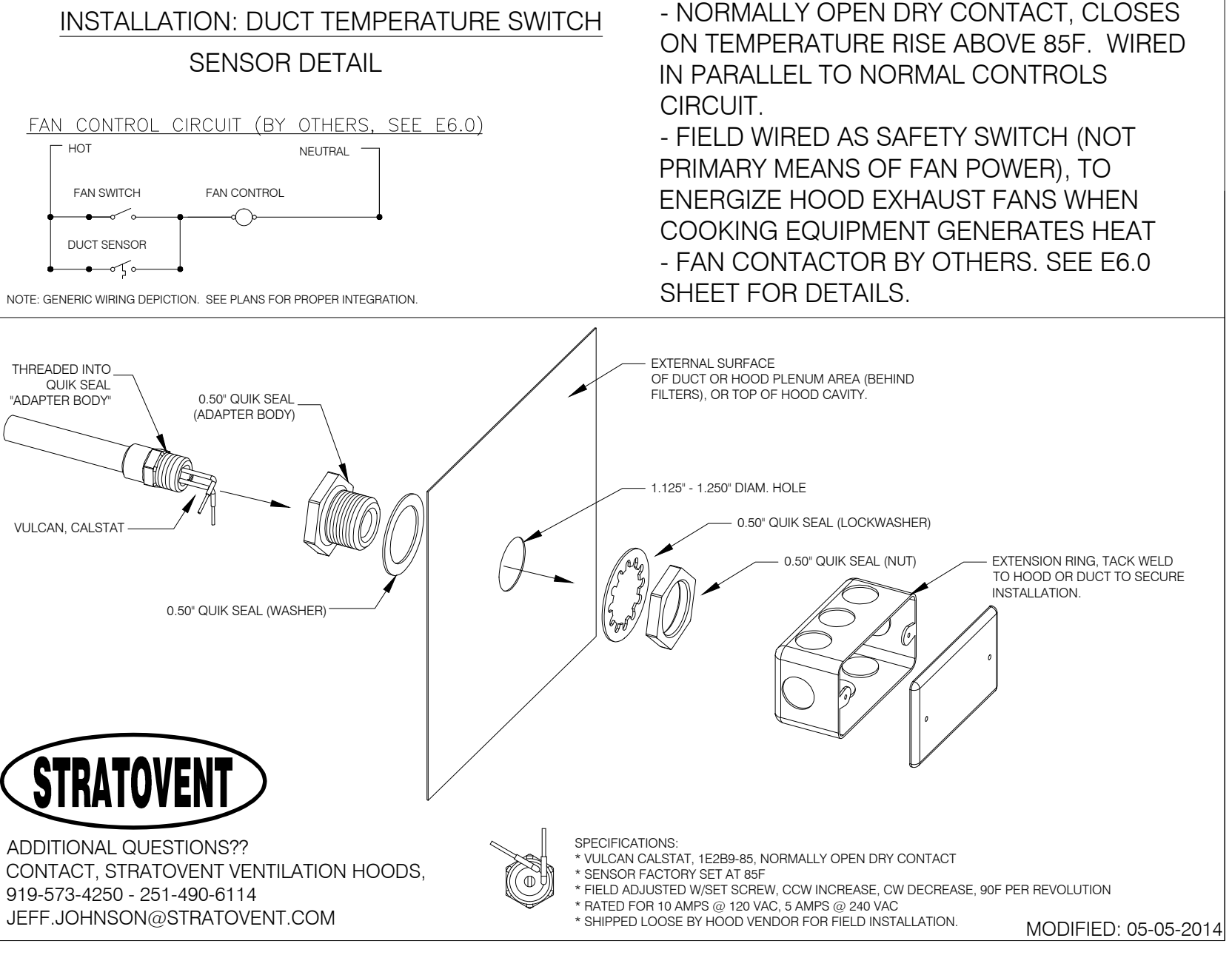
KEY NOTES B



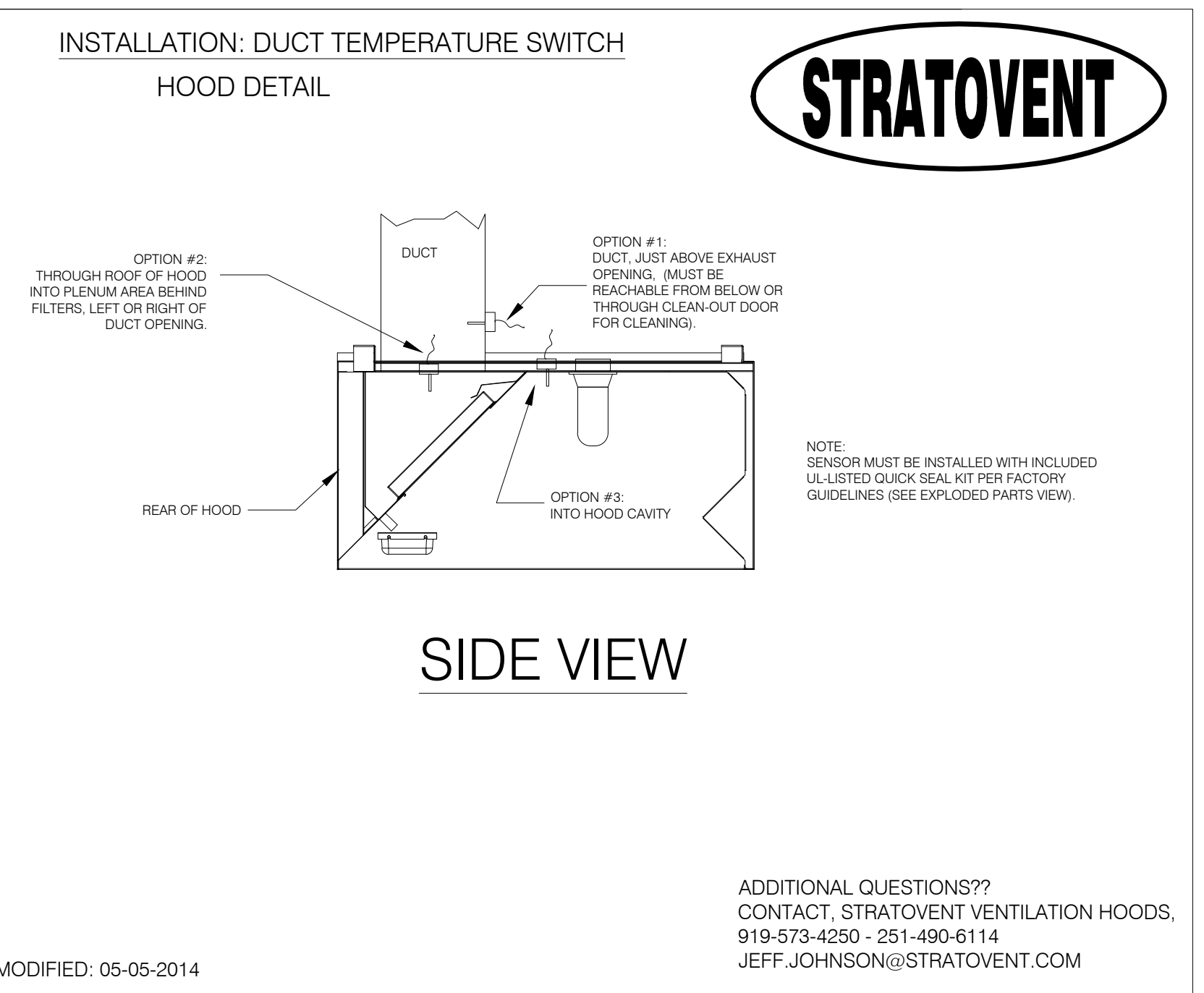
TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN N.T.S. **14**



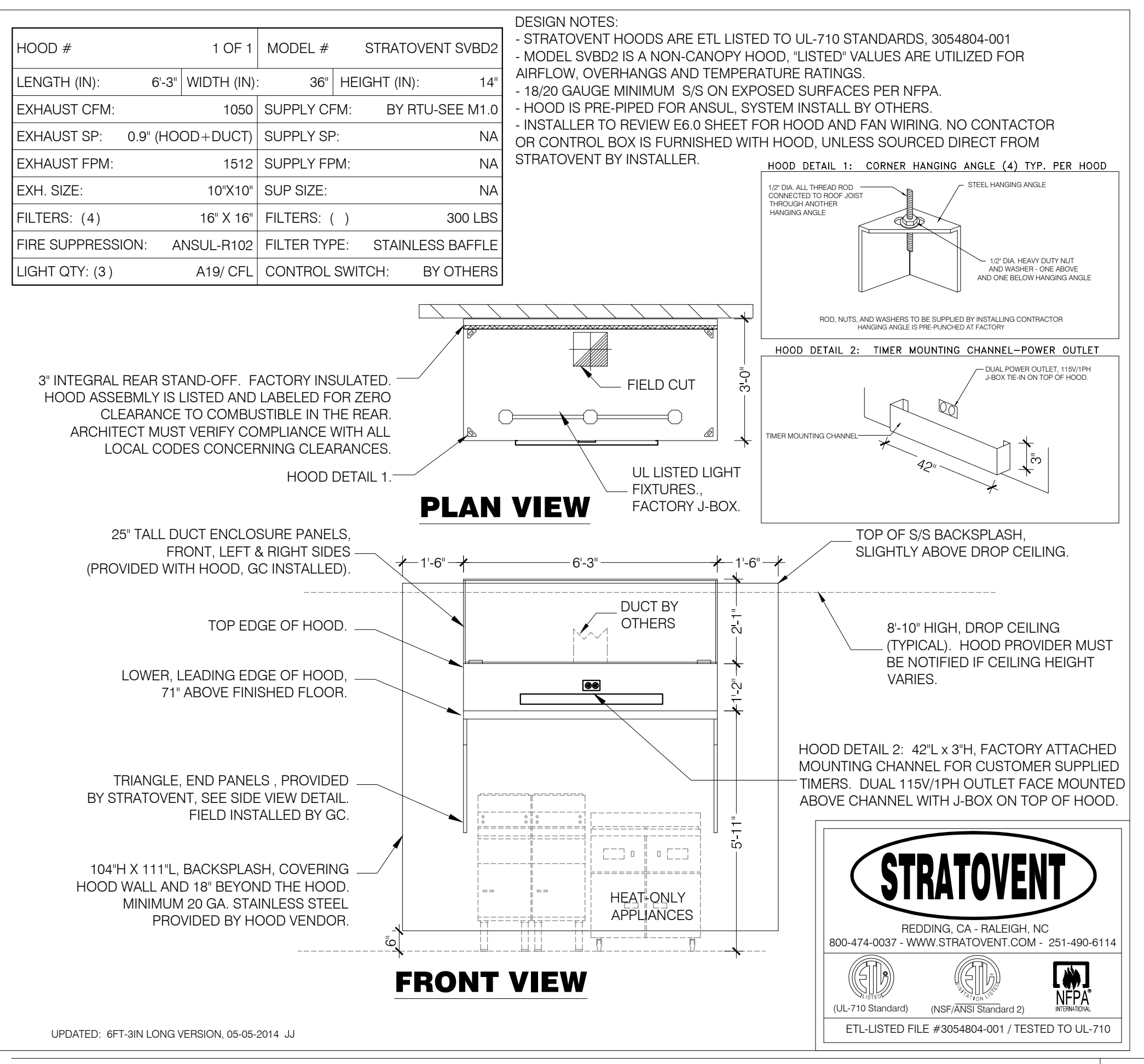
TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN N.T.S. **16**



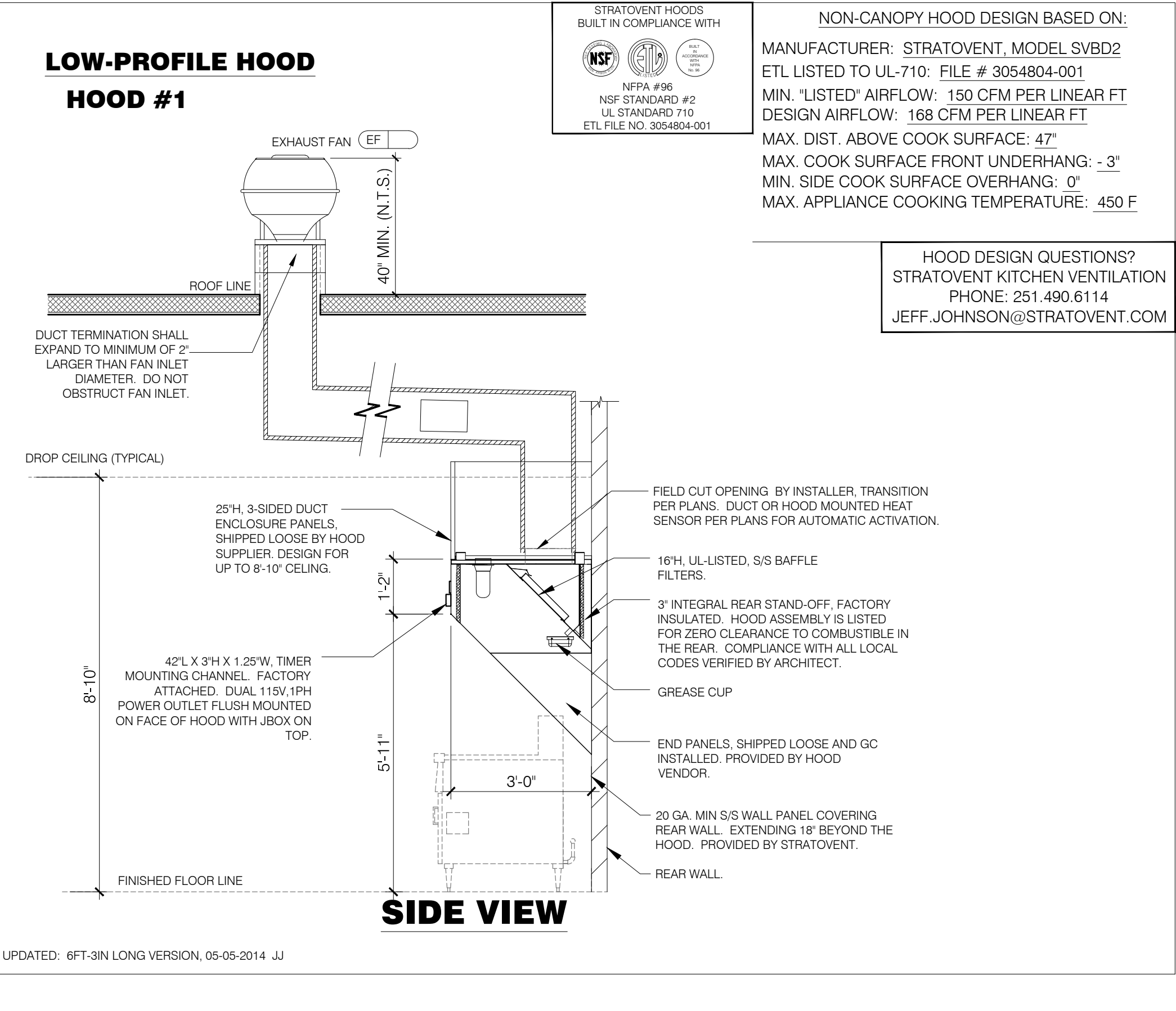
HEAT SENSOR ATTACHMENT N.T.S. **10**



HEAT SENSOR LOCATION N.T.S. **12**



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



TACO BELL HOOD SECTION N.T.S. **4**

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 REGISTERED PROFESSIONAL ENGINEER
 BRIAN EDWARD CHANDLER
 PE078433
 Brian Chandler

04.05.17

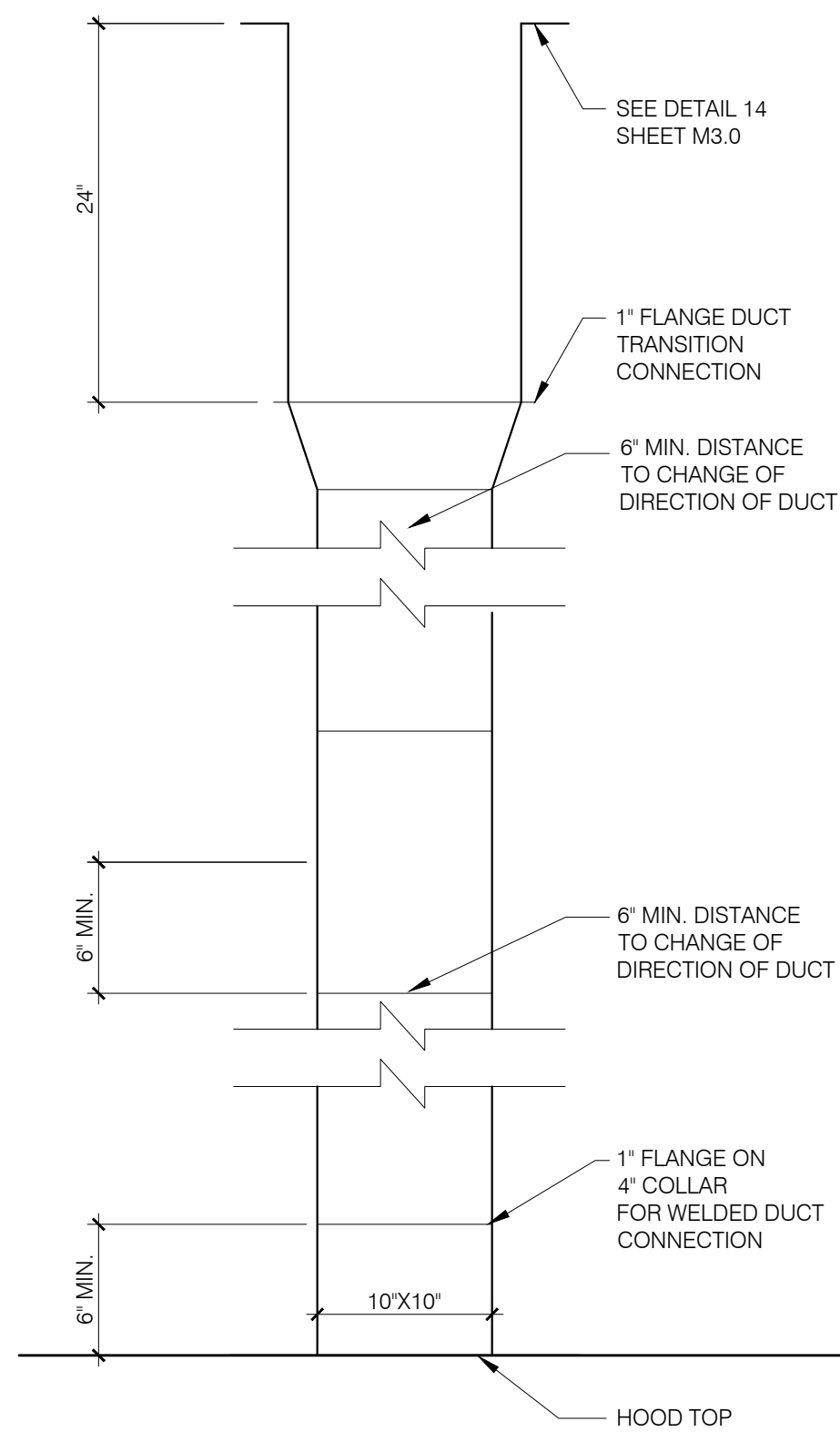
CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

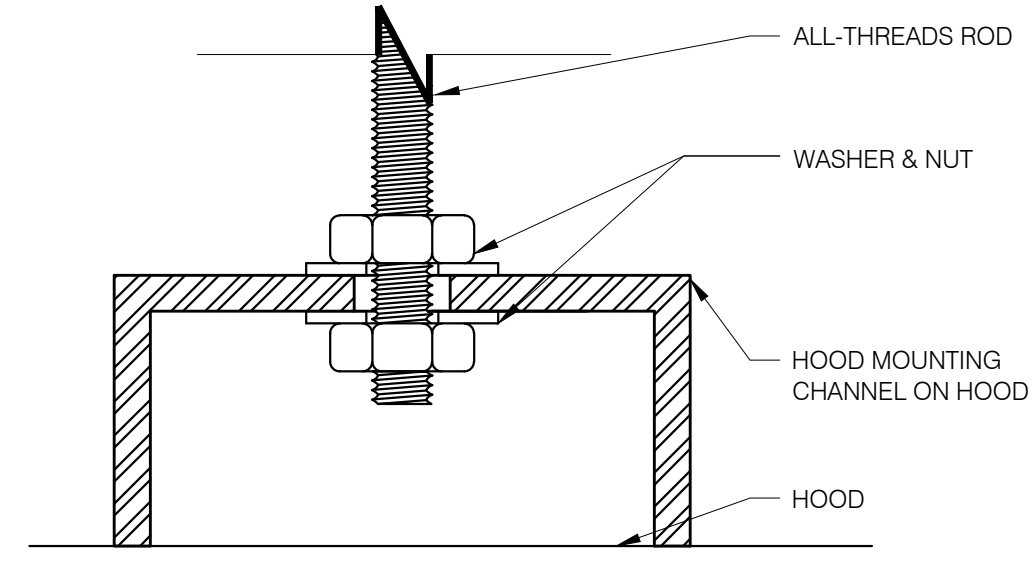
LIVE MAS
 LARGE50 - REVERSE

HOOD DRAWINGS PLANS AND SECTIONS M3.0

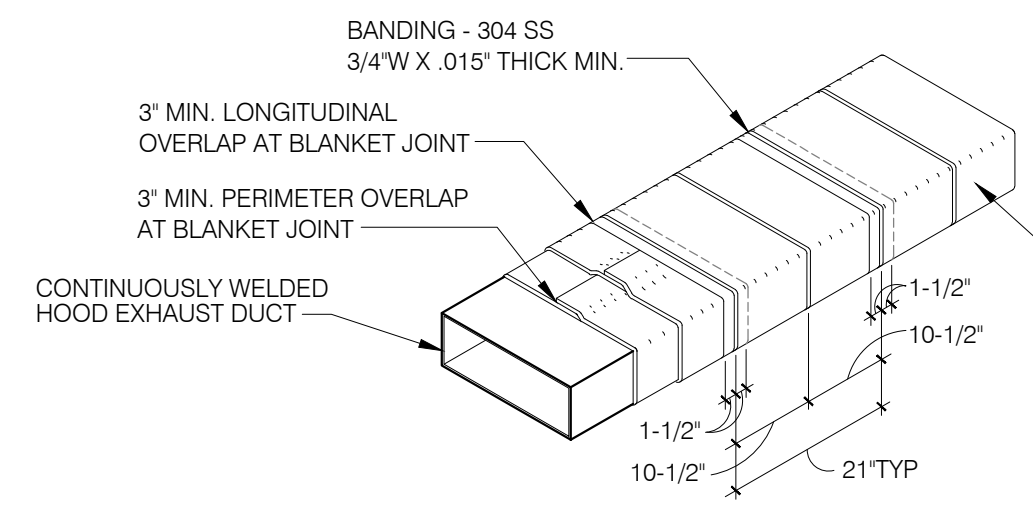
PERMIT PLOT DATE:



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

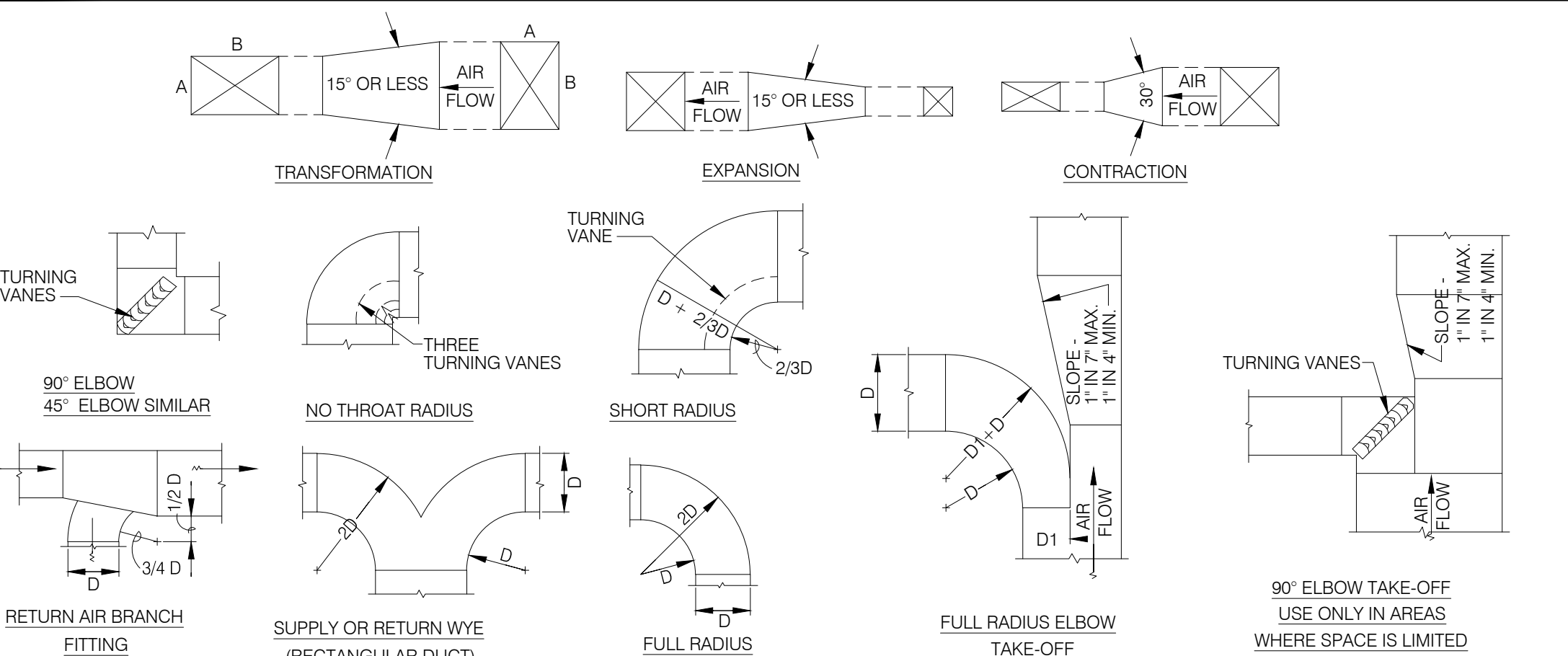


BOLT CONNECTION TO HOOD N.T.S. **14**

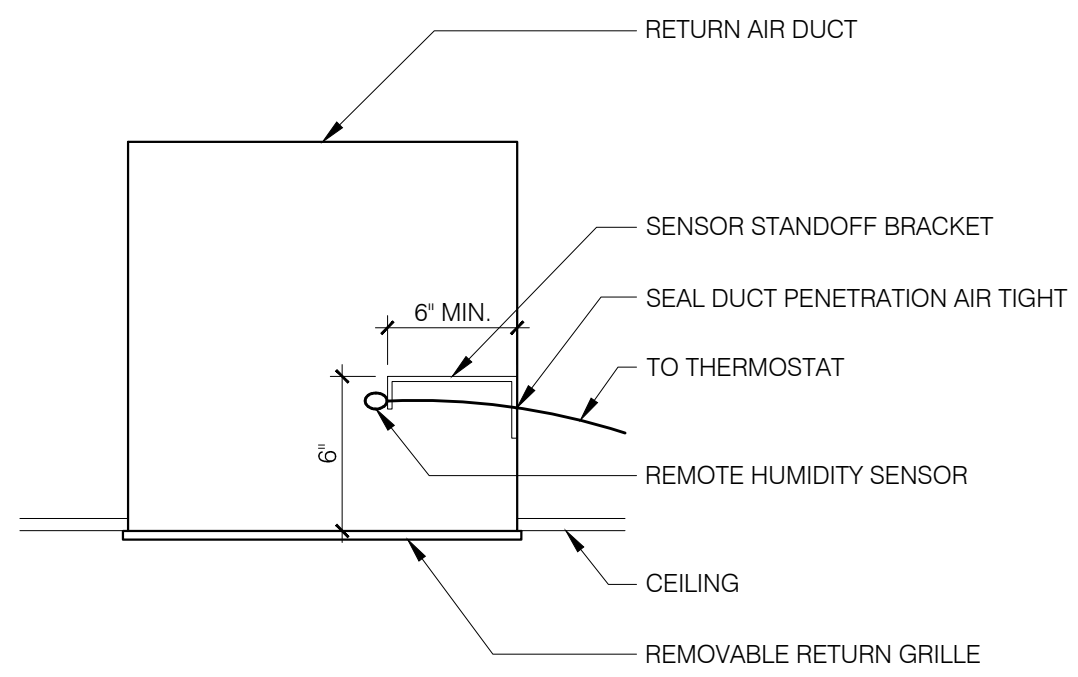


- NOTES:**
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
 2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM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



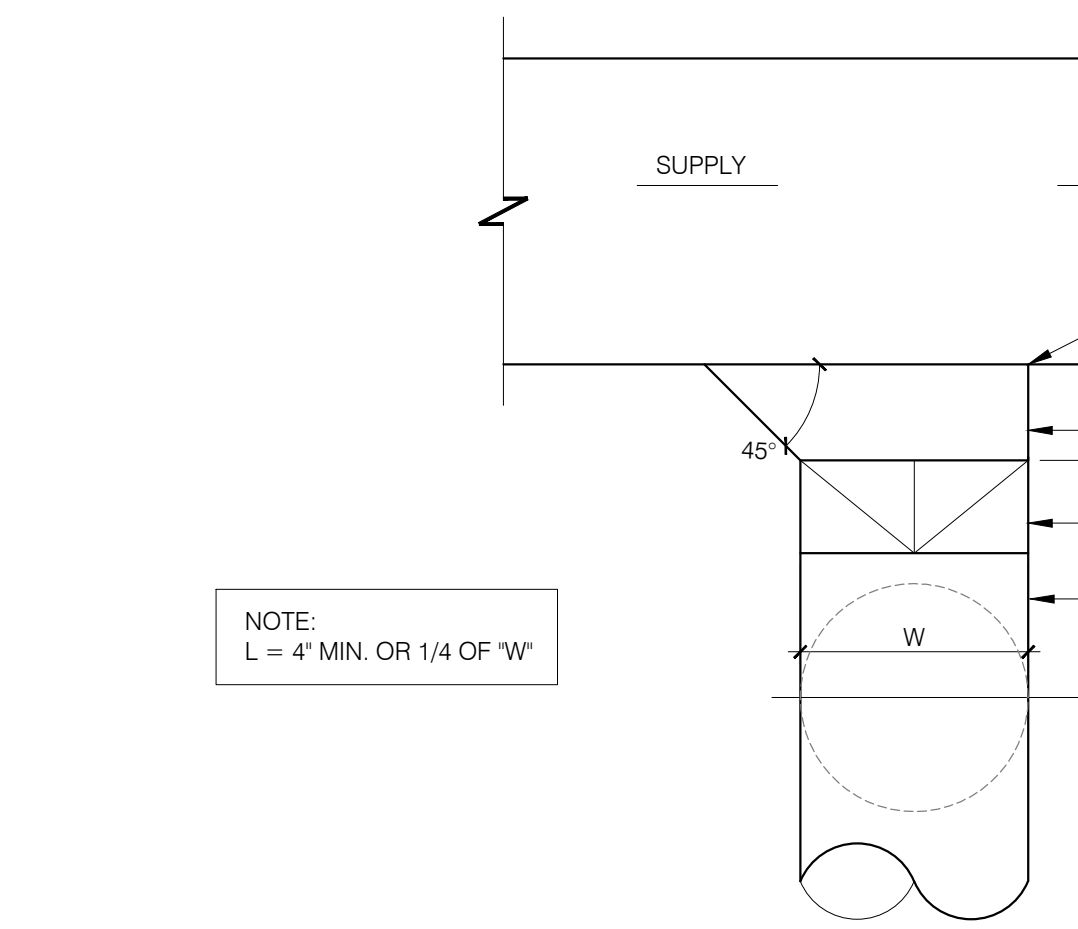
TYPICAL DUCTWORK DETAILS N.T.S. **16**



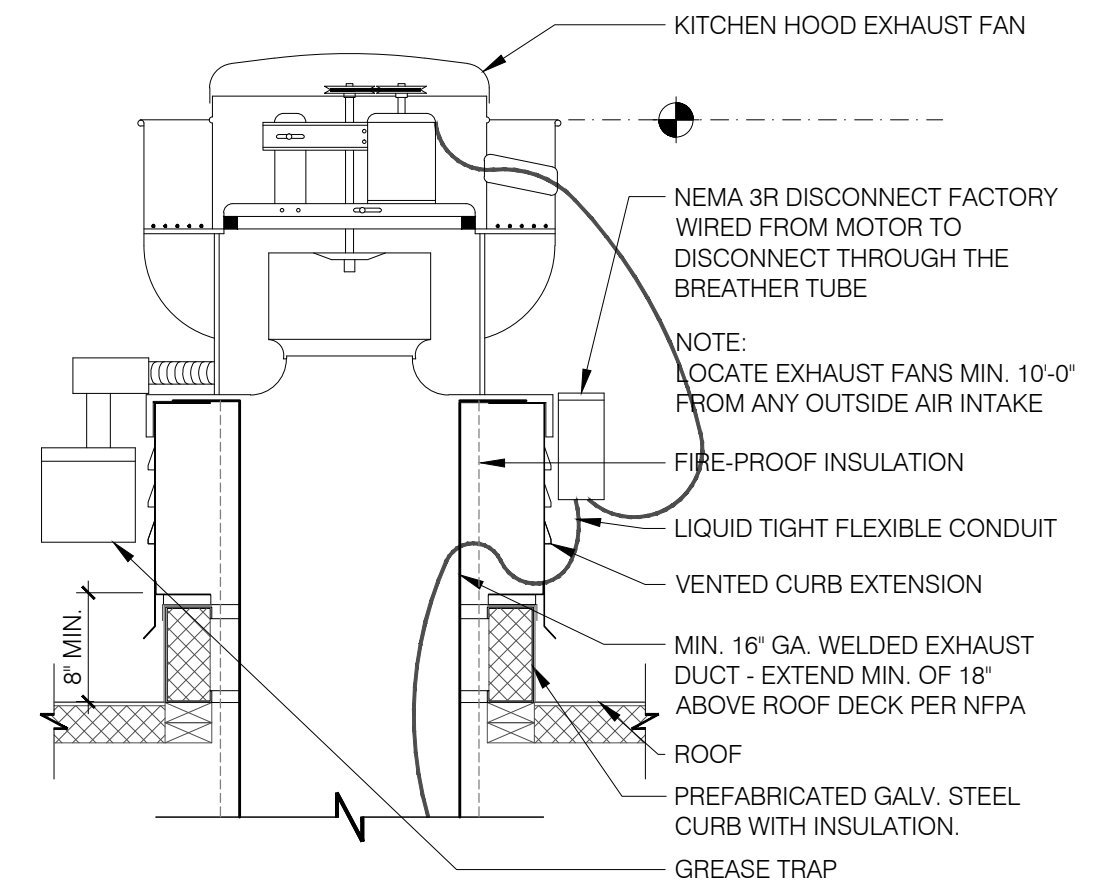
REMOTE HUMIDITY SENSOR N.T.S. **9**



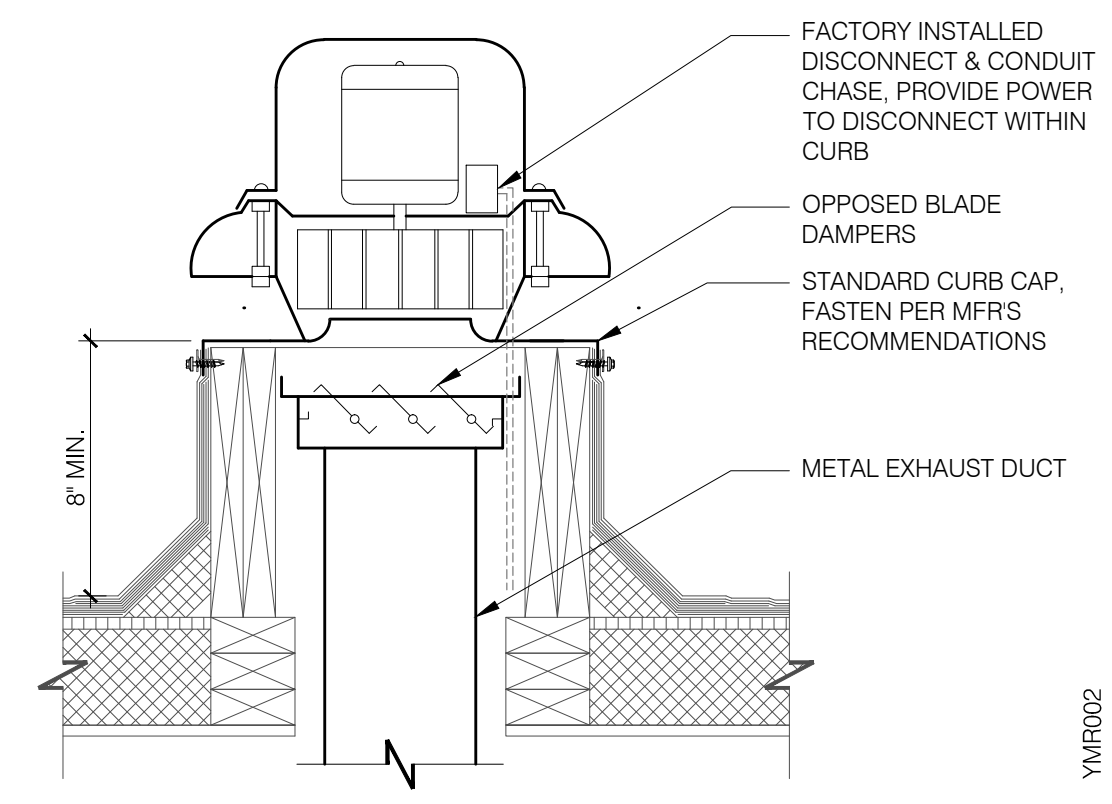
NOT USED N.T.S. **6**



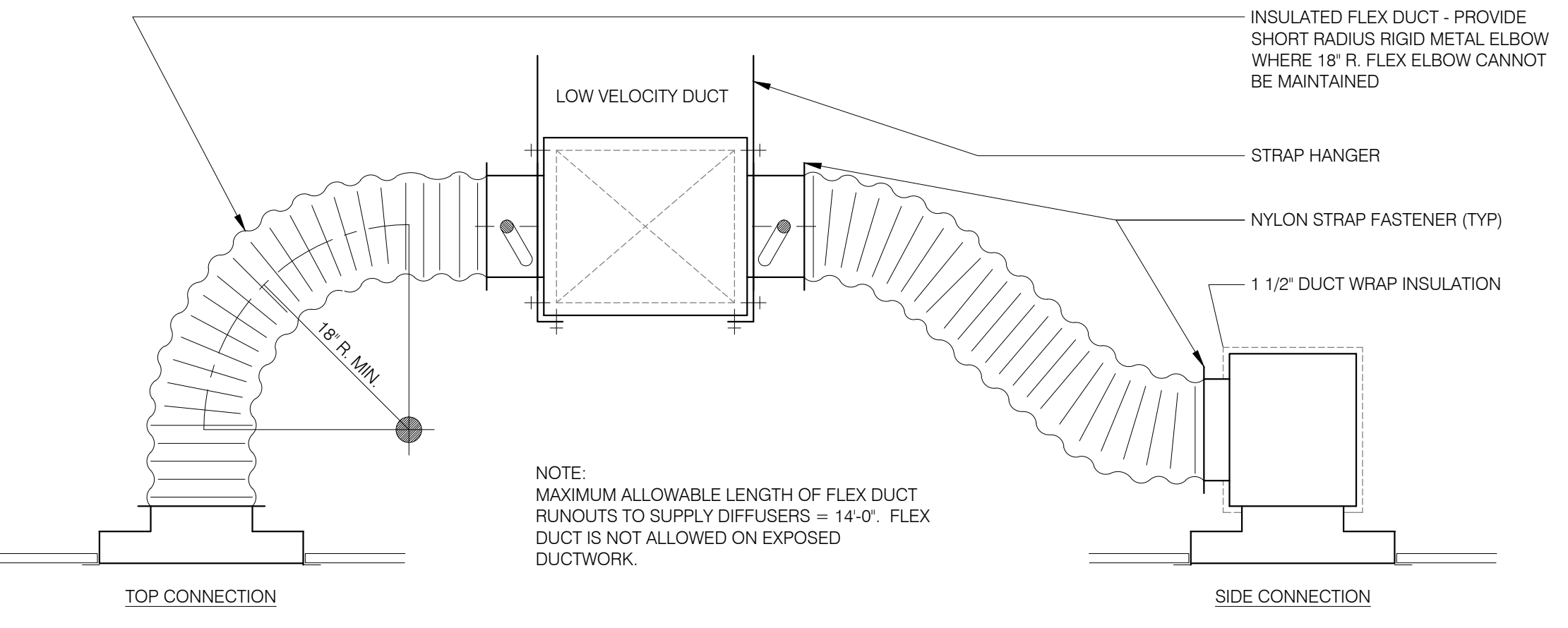
CEILING DIFFUSER CONNECTIONS N.T.S. **8**



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



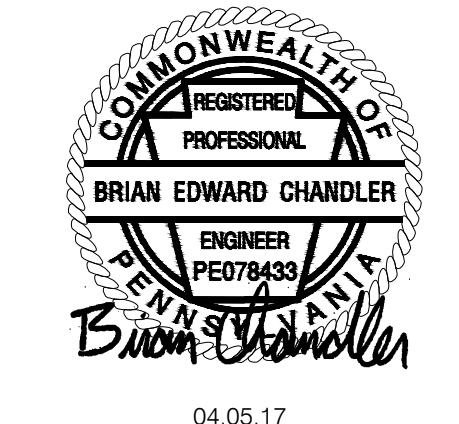
RESTROOM FAN (EF-2) N.T.S. **2**



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

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04.05.17

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CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 ~ REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrana Heights, PA 15065



LARGE50 - REVERSE
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

C

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

D

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 PENNSYLVANIA BUILDING CODE W/AMENDMENTS (COMBINATION DRAIN & VENT). *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

WATER CALCULATION'S

B

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
(ECO) 1	EXTERIOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
(FS) 1	FLOOR SINK	4"	2"	--	--	--	6	--	LIGHT DUTY, ACID RESISTANCE, WHITE PVC FLOOR SINK W/ 12" SQUIRE WHIT PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE.	SIUOX 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.	SIUOX / 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 SIUOX 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	RINNAI # C199i
(ET) 1	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160" F, 12 GALLON CAPACITY.	WATTS SERIES DET. AMTROL SERIES ST WILKINS SERIES WXTP WATTS / MODEL: 009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
(BFP) 1	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
(SA) 1	SHOCK ARRESTOR	--	--	1/2"	--	--	--	--	STAINLESS STEEL CASING WITH STAINLESS STEEL BELOW, PRECHARGED WITH NITROGEN. SIZED PER PDI-WH201	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
(RO) 1	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER SEE TO DETAIL 9/P6.0	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
(HD) 1	HUB DRAIN	3"	2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019

PLUMBING SCHEDULE

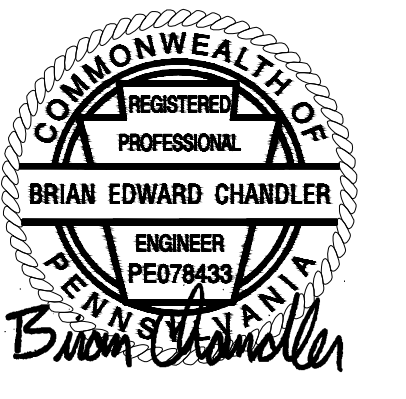
A

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04.05.17



CONTRACT DATE:

BUILDING TYPE: LIVE MAS - Large 50

PLAN VERSION: 11.12.15 - REV P

SITE NUMBER:

STORE NUMBER: TBD

TACO BELL

TBD Freeport Road
 Natrona Heights, PA 15065



LIVE MAS

LARGE50 - REVERSE

PLUMBING SCHEDULES AND NOTES

P1.0

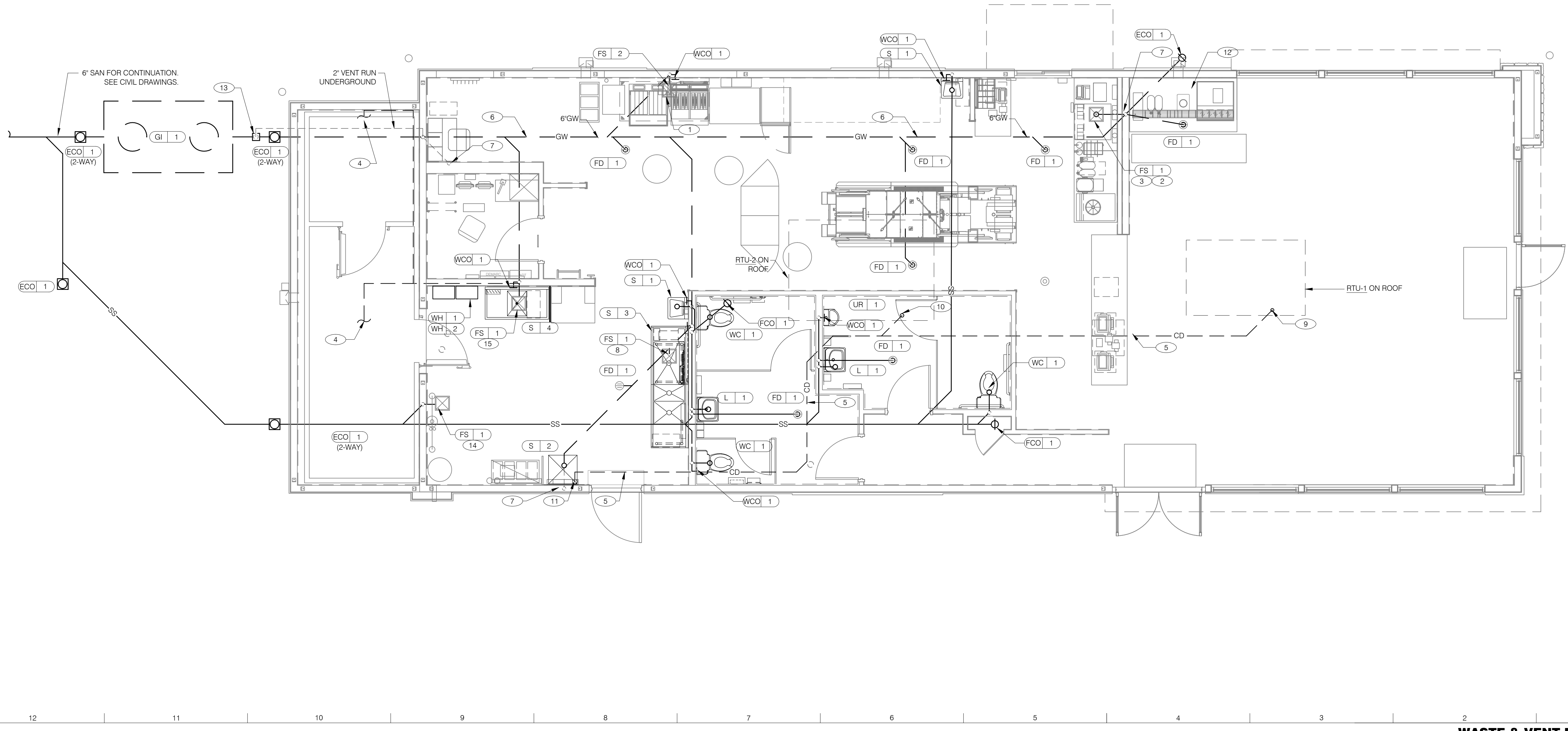
PERMIT PLOT DATE:

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04.05.17



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

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



WASTE AND VENT PLAN
P2.0

PERMIT PLOT DATE:

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

NOT USED **D**

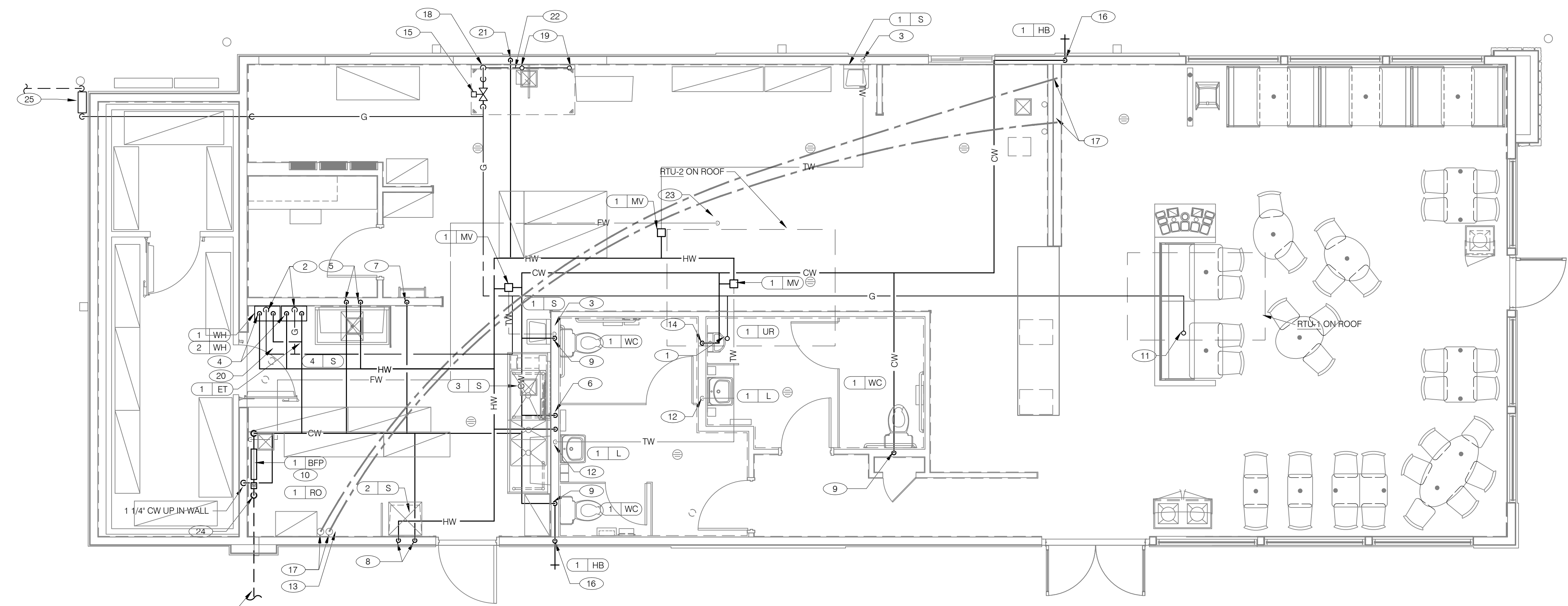
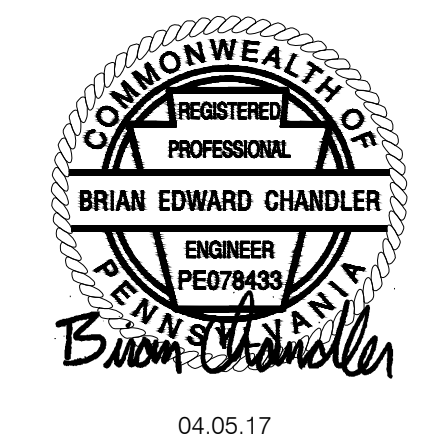
WASTE & VENT PLAN NOTES **C**

- 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 1/4" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
- 10 1 1/4" 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 AND BACKFLOW PREVENTER DISCHARGE. ENSURE PROPER AIR GAP.
- 15 PIPE WASTE FROM PREP SINK TO FLOOR SINK WITH AIR GAP PER CODE.

KEY NOTES **B**



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.

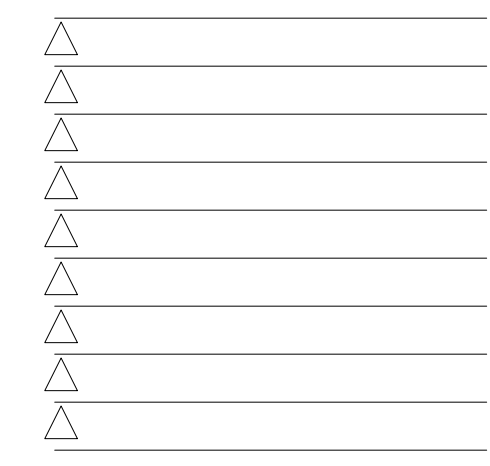
- 1 1-1/4" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
- 2 1" GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK.
- 4 1" HOT AND 1" COLD WATER LINES DOWN TO WATER HEATER.
- 5 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 6 1/2" HOT & 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" 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-737. SEE DRAWINGS A2.0 AND P5.0. PROVIDE REDUCED PRESSURE ZONE ASSEMBLY FOR CARBONATORS.
- 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 PRESSURE VACUUM BREAKER ASSEMBLY, ASSE 1020 AND 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-315 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.

NOT USED **E**

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

WATER & GAS PLAN NOTES **C**

KEY NOTES **B**



CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

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 Natrona Heights, PA 15065

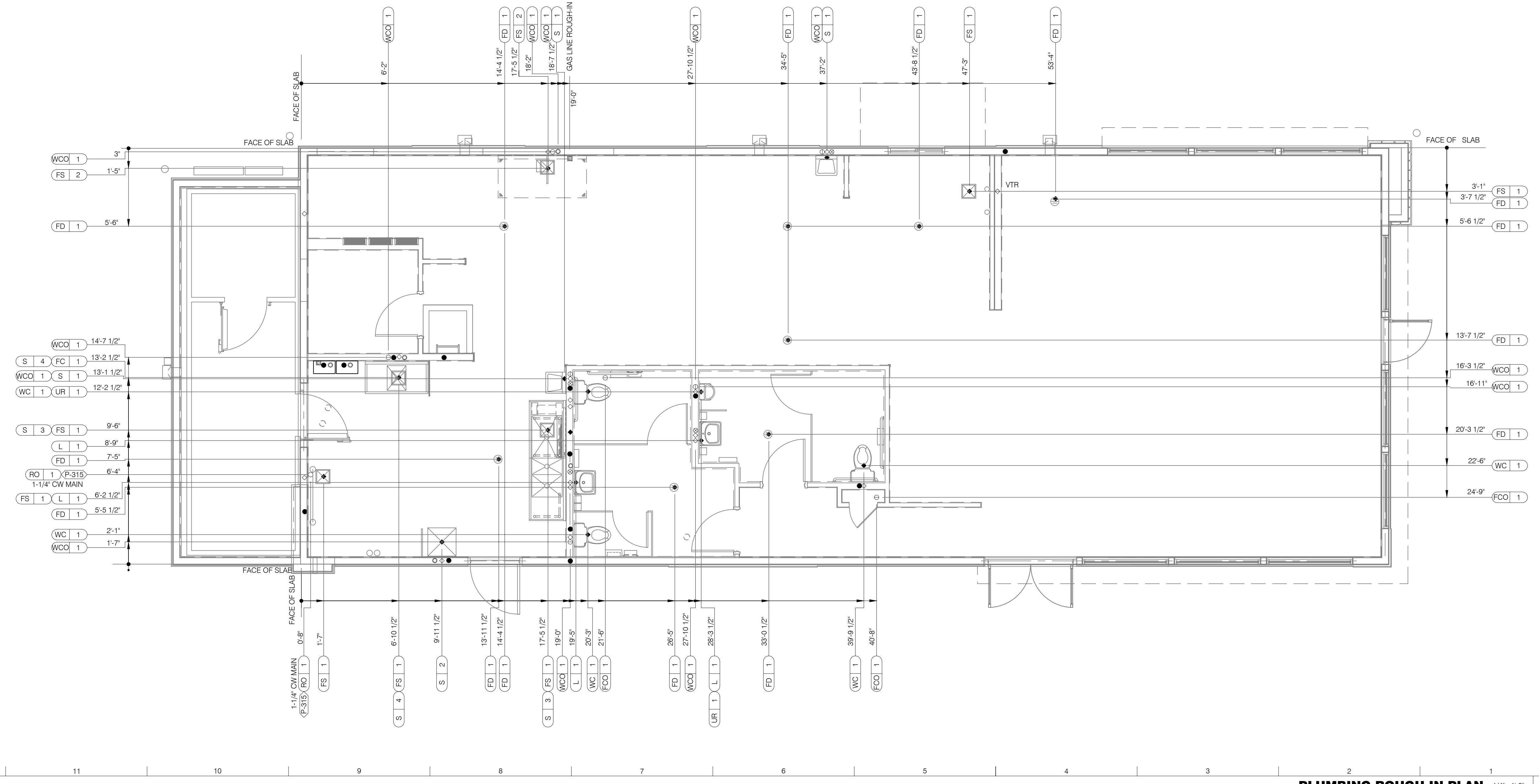


WATER AND GAS PLAN
P3.0

PERMIT PLOT DATE:



04.05.17



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

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.

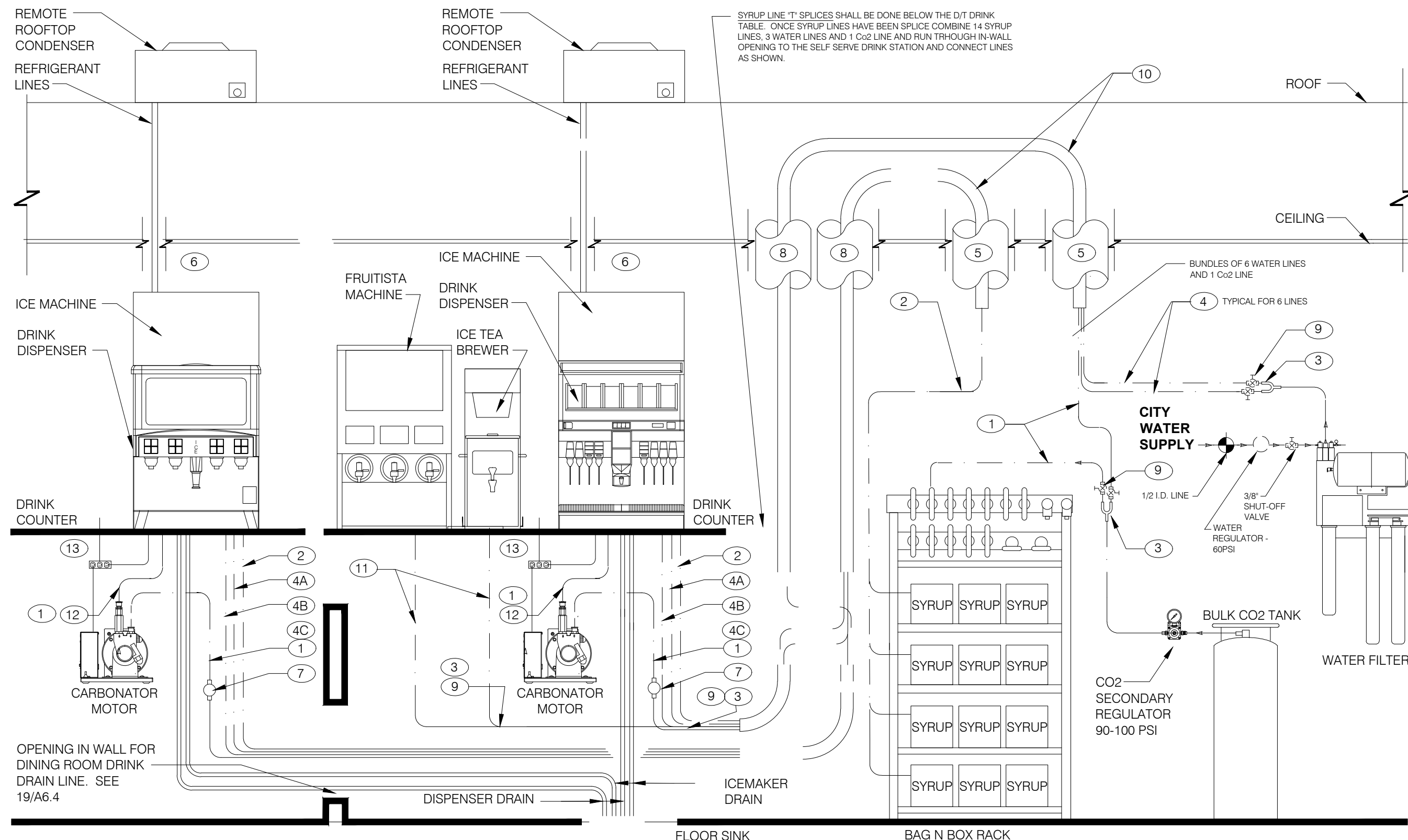
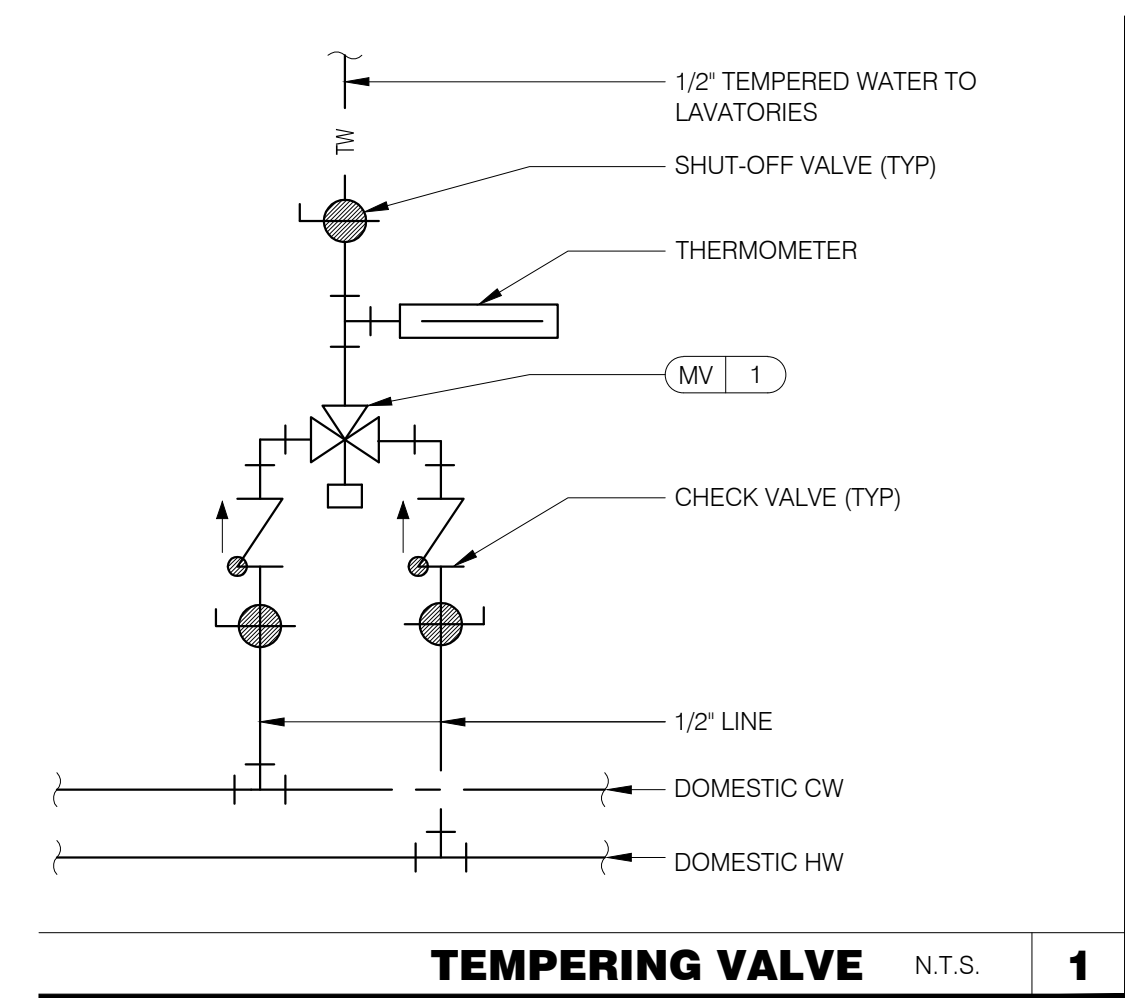
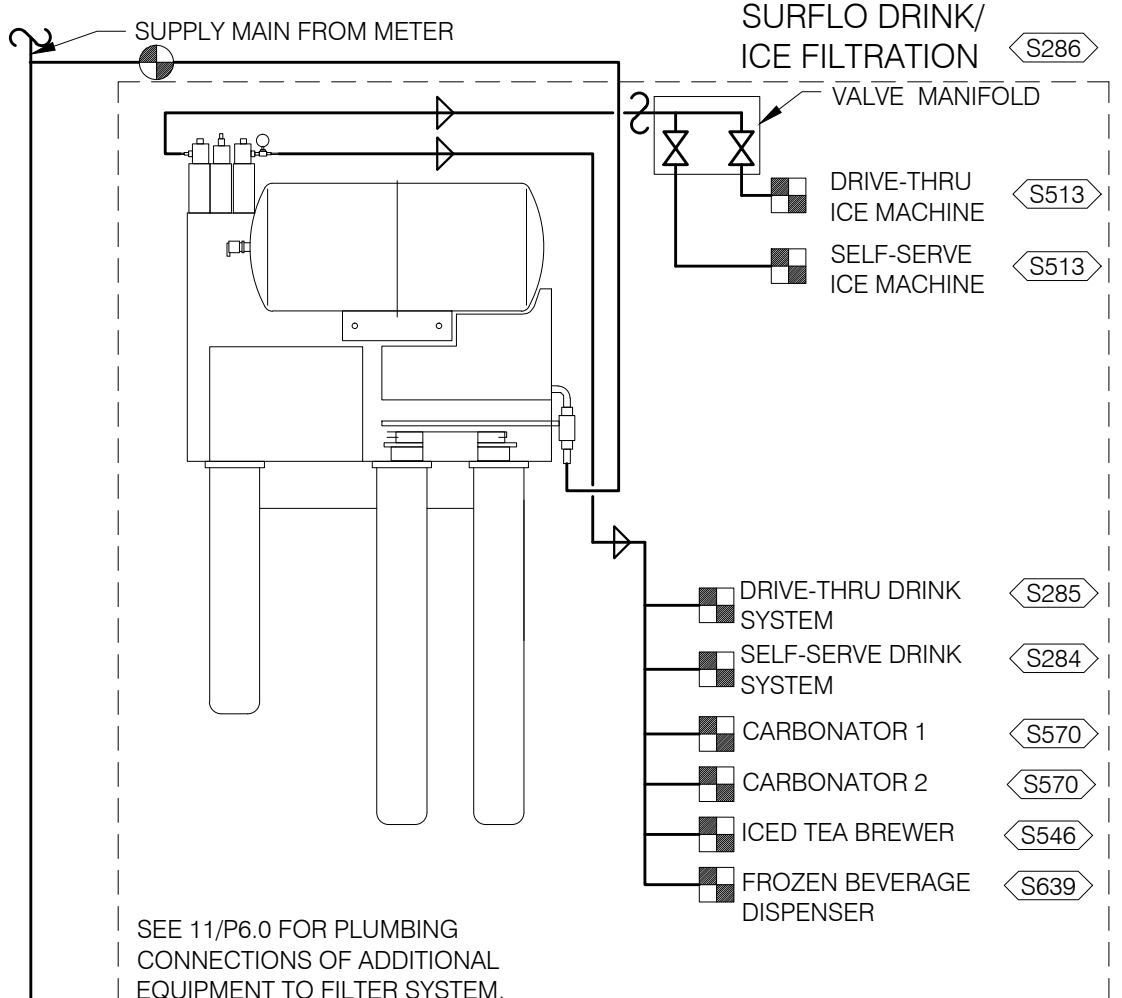
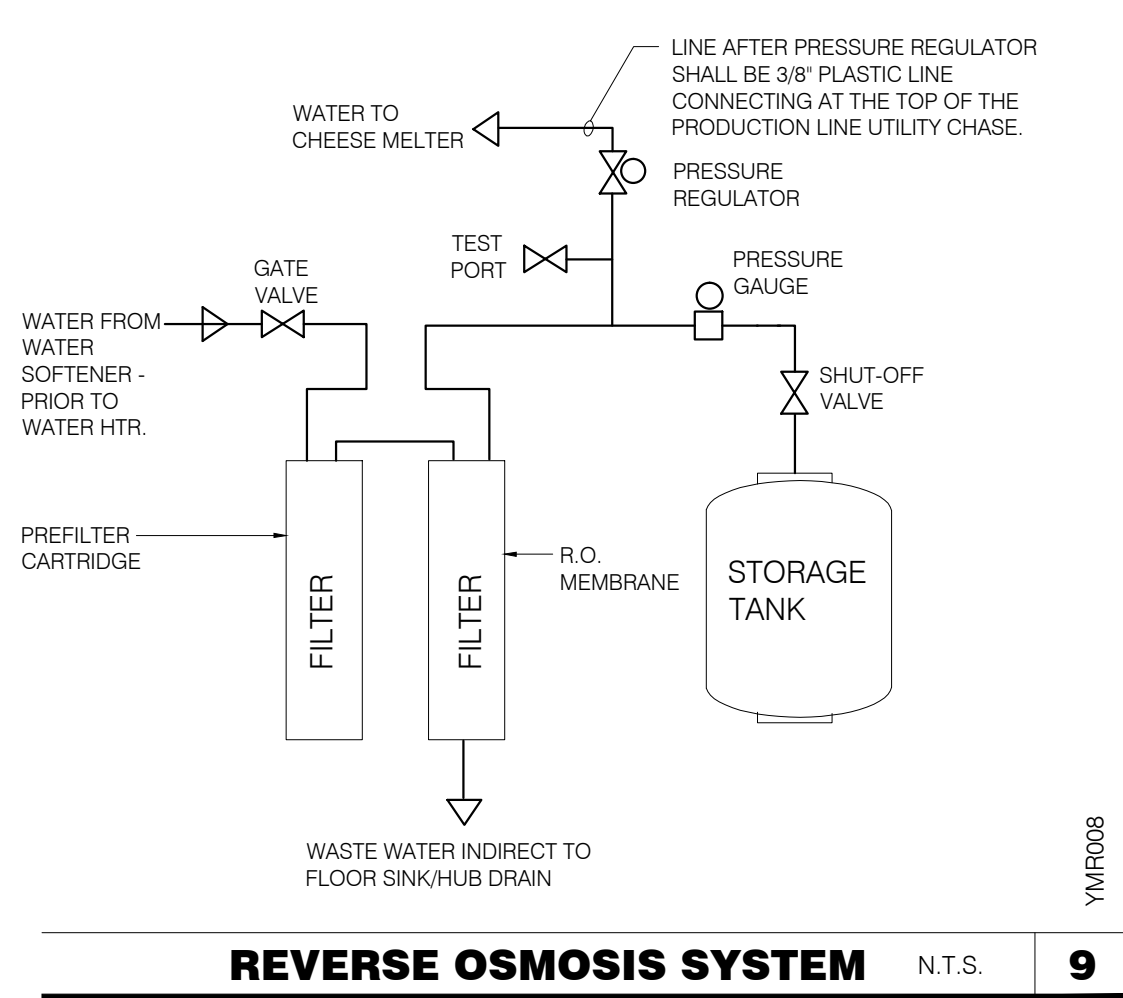
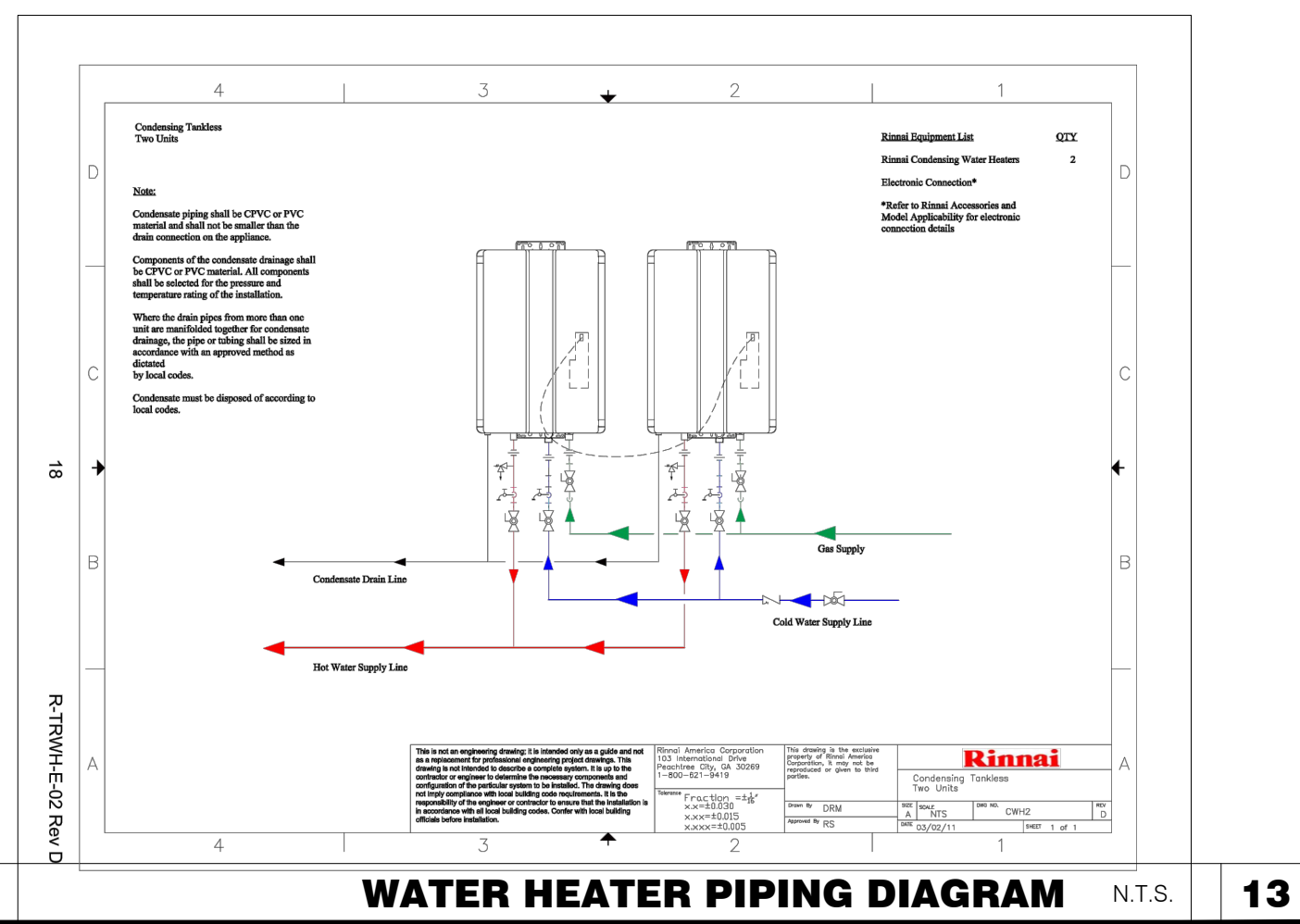
PLUMBING ROUGH-IN NOTES **B**

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



PERMIT PLOT DATE:



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.
- **"Y" FOR ICE MACHINES SUPPLY LINES SHALL BE INSTALLED @ FILTER OUTLET.
- BACKFLOW PREVENTERS FOR FILTER ASSEMBLY ARE PROVIDED.

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

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

LEGEND

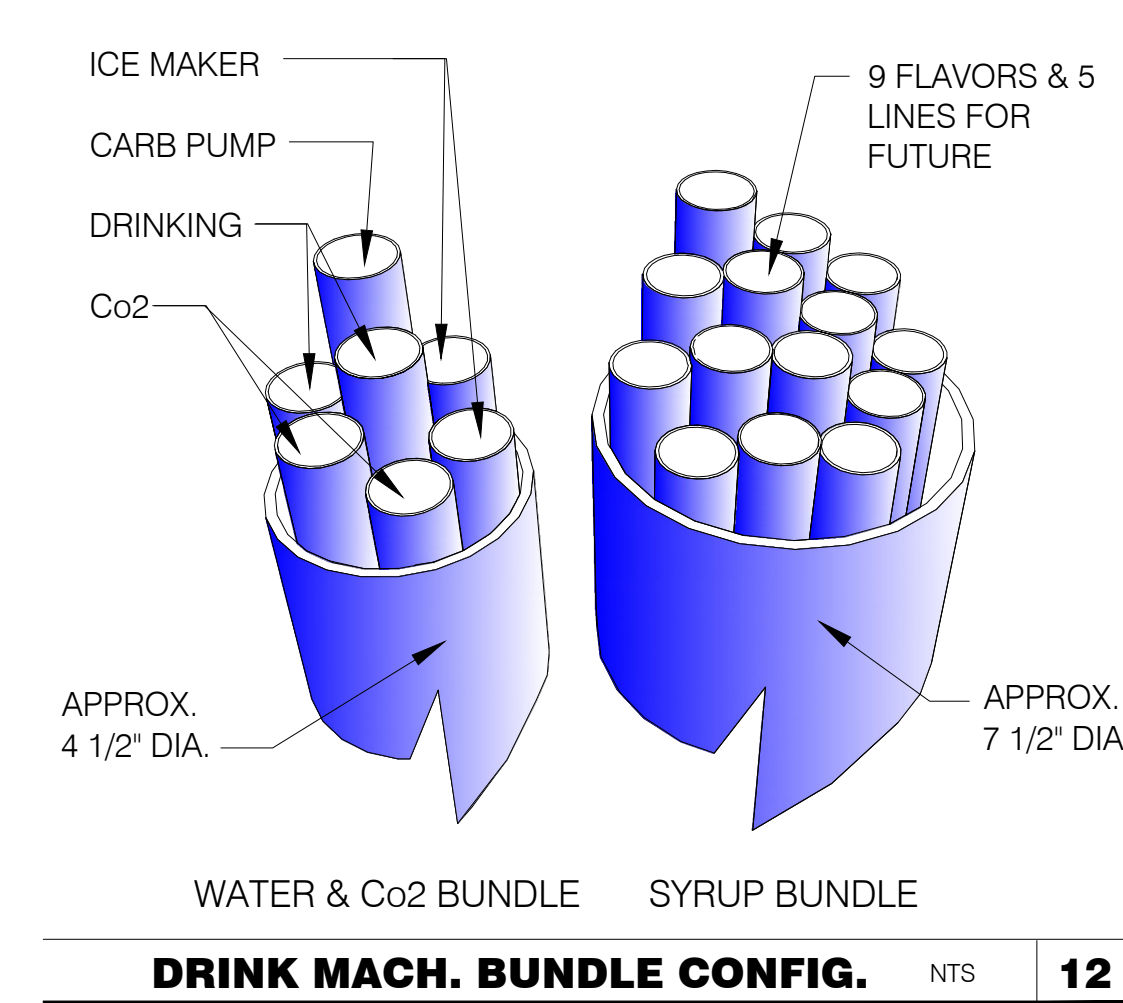
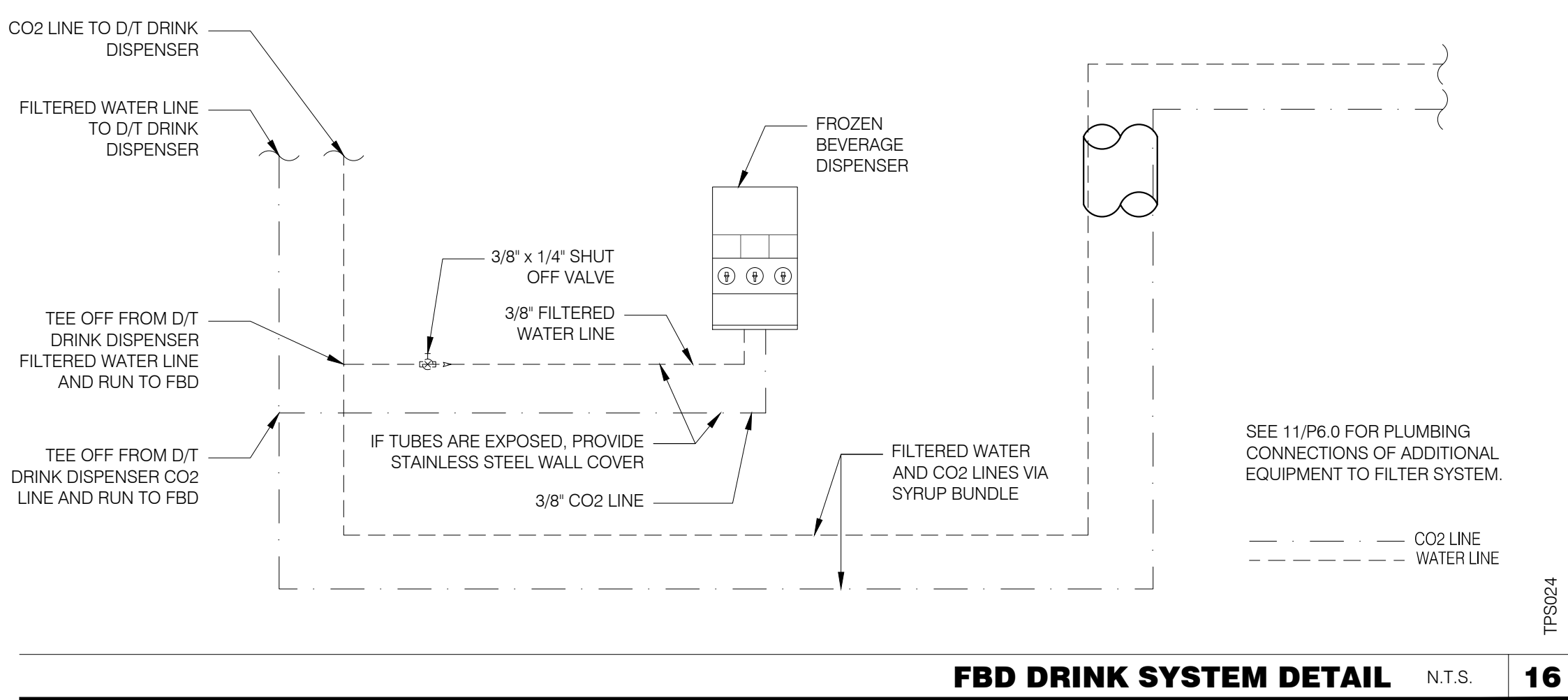
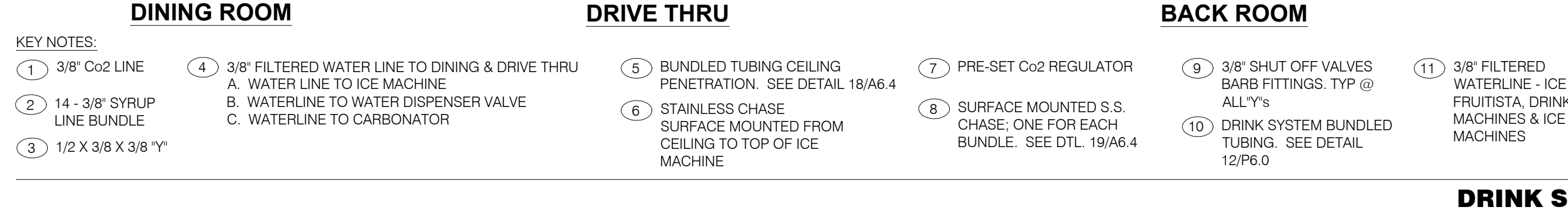
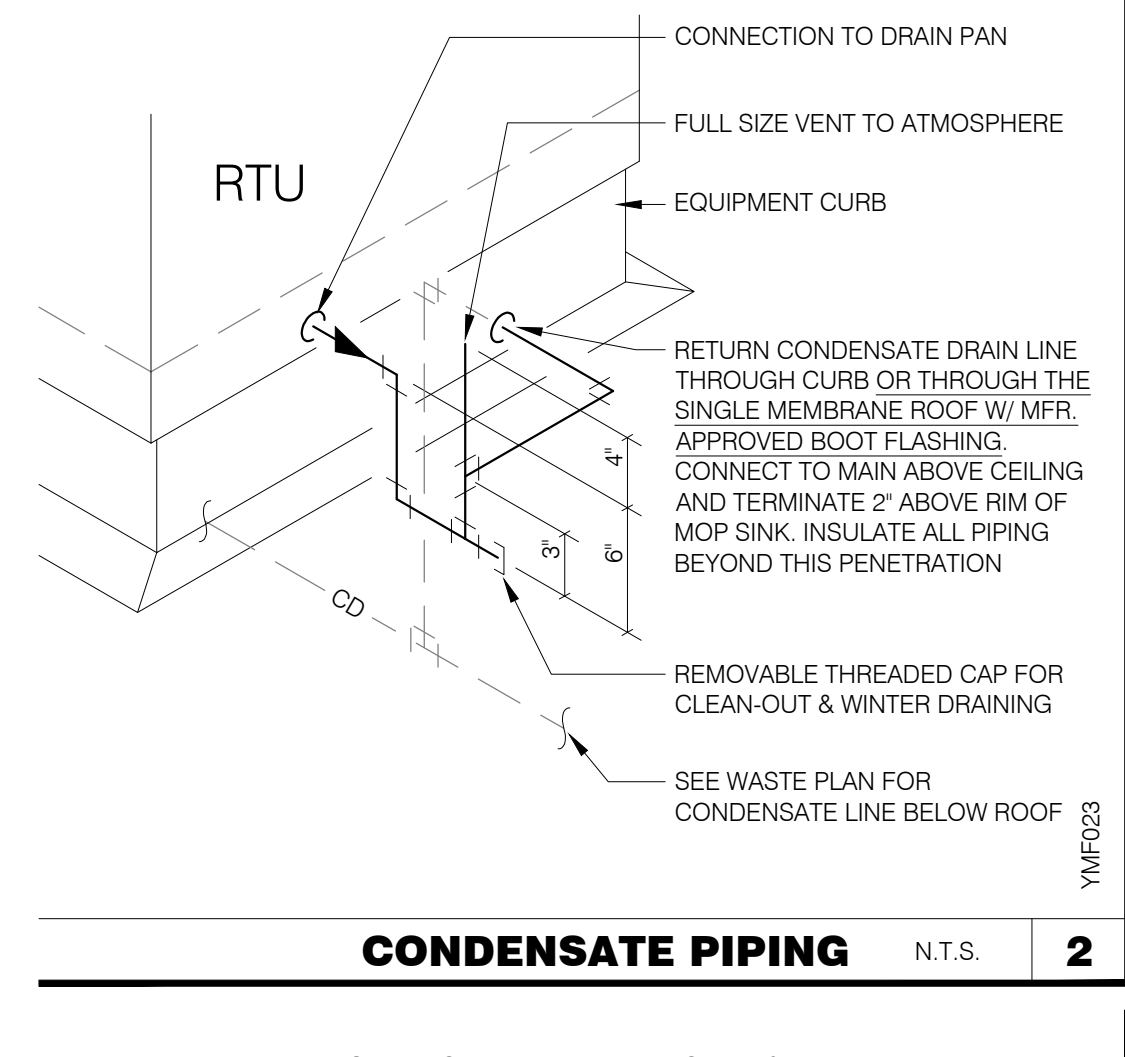
KITCHEN EQUIPMENT # (SHEET A2.0) FLOW ARROW

SYSTEM POINT OF CONNECTION (PEPSI) POINT OF CONNECTION (GC)

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

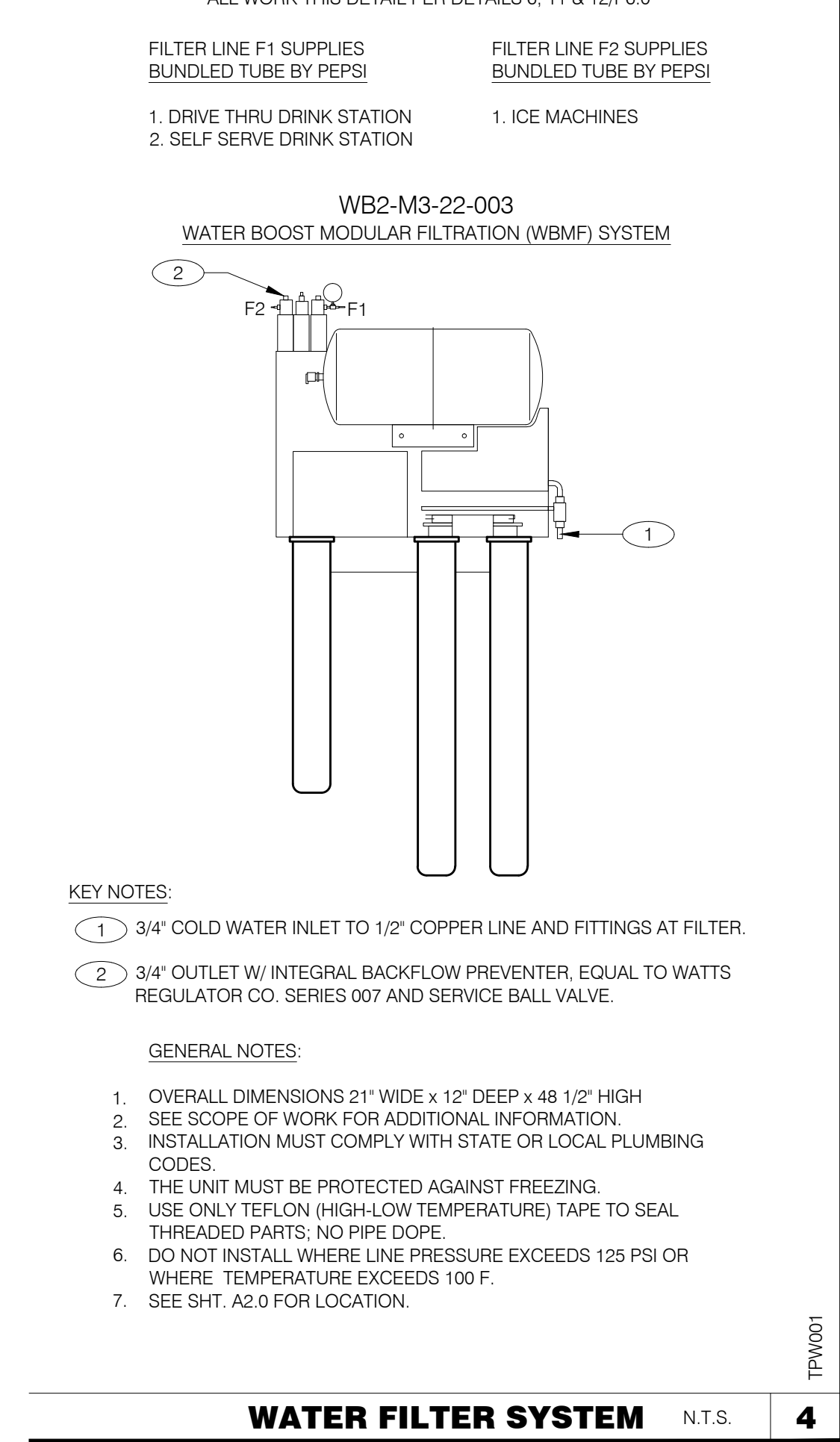
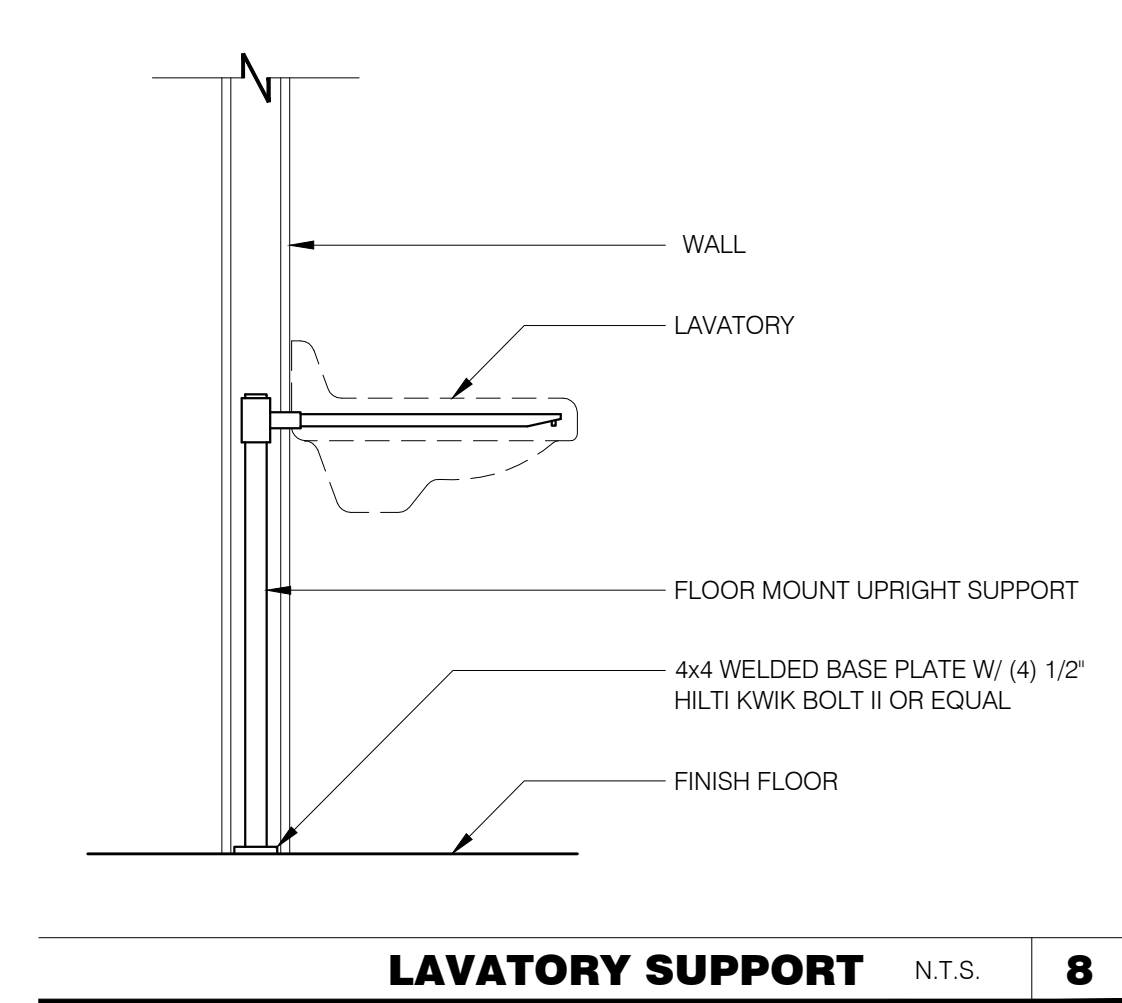


WATER HEATED SCHEDULE N.T.S. **7**

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

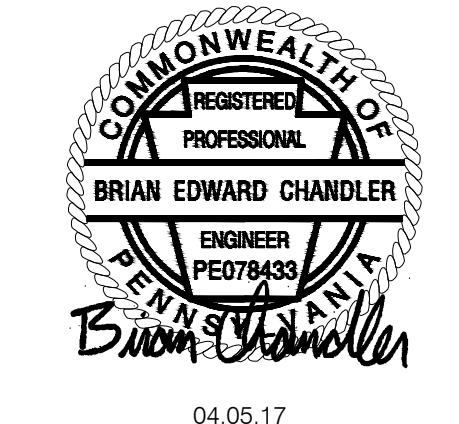
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QTY	DESCRIPTION
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1	3/4" BLK UNION
1	3/4" BLK TEE
1	3/4" BLK CAP
3	3/4" x 2 1/2" BLK NIPPLE
1	3/4" x 4 BLK NIPPLE
1	3/4" THD BALL VALVE
2	1 1/2" FX UNION
6	1 1/2" CXC 90
1	1 1/2" CXC TEE
2	1 1/2" BALL 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



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 E-MAIL: brian@brianedwardchandler.com



04.05.17

CONTRACT DATE:
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 TBD Freeport Road
 Natrona Heights, PA 15065



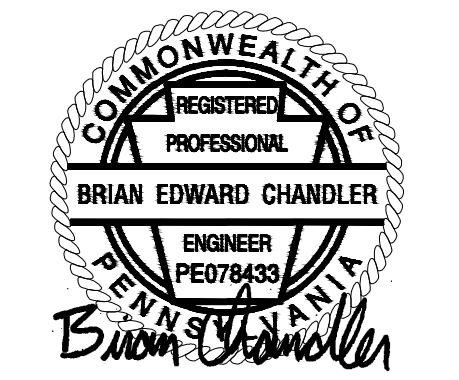
PLUMBING DETAILS
P6.0

PERMIT PLOT DATE:

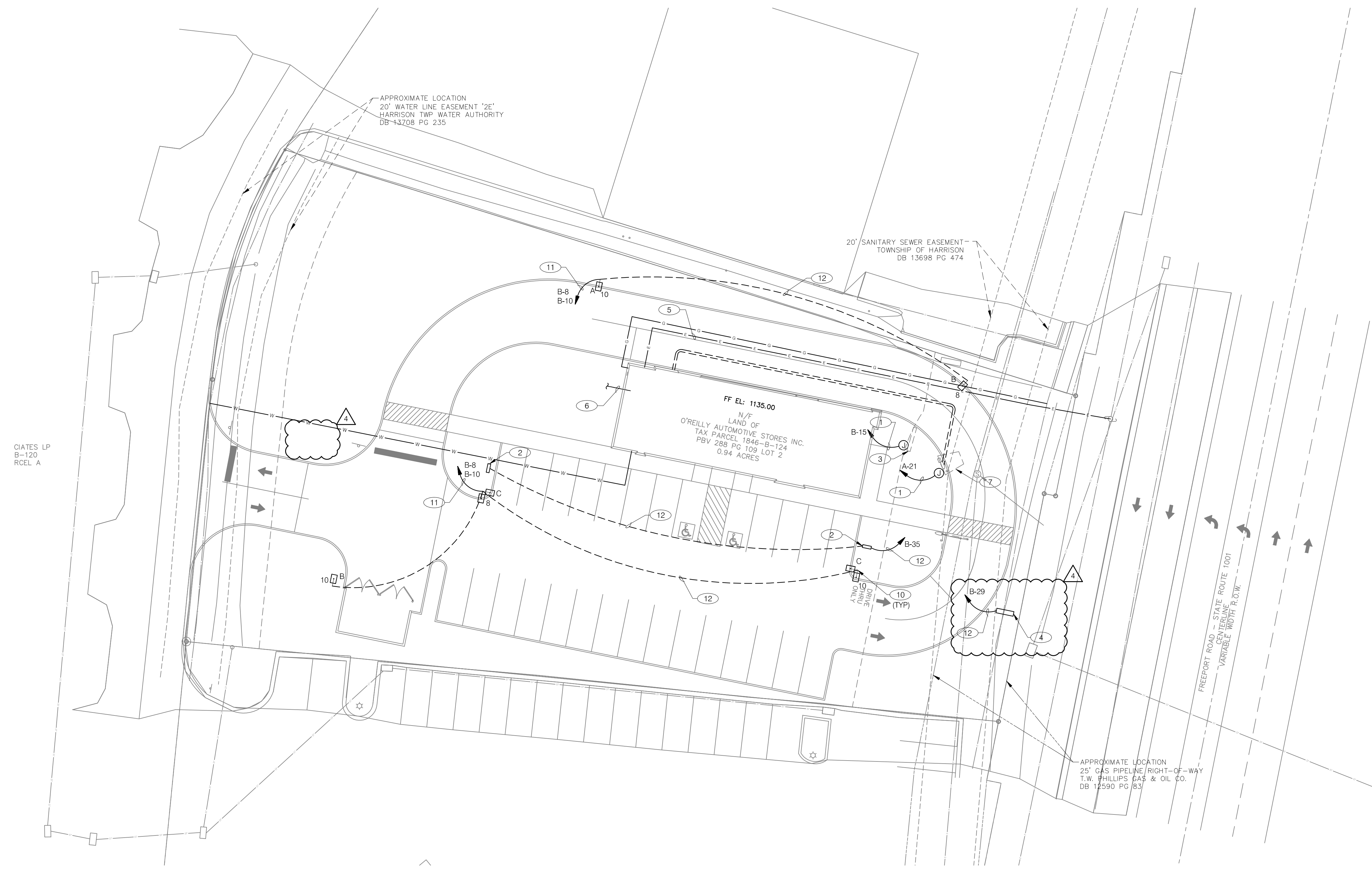
kathleen day, architect
 8535 ferry road
 waynesville, oh 45068
 617.331.2545
 kathleendayarchitect@gmail.com

ENGINEER:
BRIAN EDWARD CHANDLER, PE

1431 510
 5038
 2.8 0.1288
 4.000



05.31.17



△	CITY COMMENTS	05.31.17
△		
△		
△		
△		
△		
△		
△		
△		

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

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

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



LARGE50 - REVERSE
SITE ELECTRICAL PLAN

E1.0

PERMIT PLOT DATE:

- 1 3/4" C. - 2 #10, #10 GRD. (TYP. FOR ENTIRE CIRCUIT.)
- 2 DIRECTIONAL SIGN.
- 3 MENU BOARD, REFER TO DETAILS 2&16/C1.0 AND 4/E7.0
- 4 LED MONUMENT SIGN. COORDINATE REQUIREMENTS WITH MONUMENT SIGN MANUFACTURER AND PROVIDE AS NECESSARY PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED DISCONNECTING MEANS PER NEC AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- 5 UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 6 PROVIDE SEPARATE 2" TELEPHONE AND CABLE CONDUITS TO CONNECTION ON SITE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 7 ORDER CONFIRMATION BOARD/ SPEAKER POST.
- 8 FUTURE PREVIEW BOARD. (OPTIONAL)
- 9 ILLUMINATED CLEARANCE BAR. REFER TO DETAILS 2 & 3/C1.1.
- 10 LED 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.

NOT USED F

NOT USED E

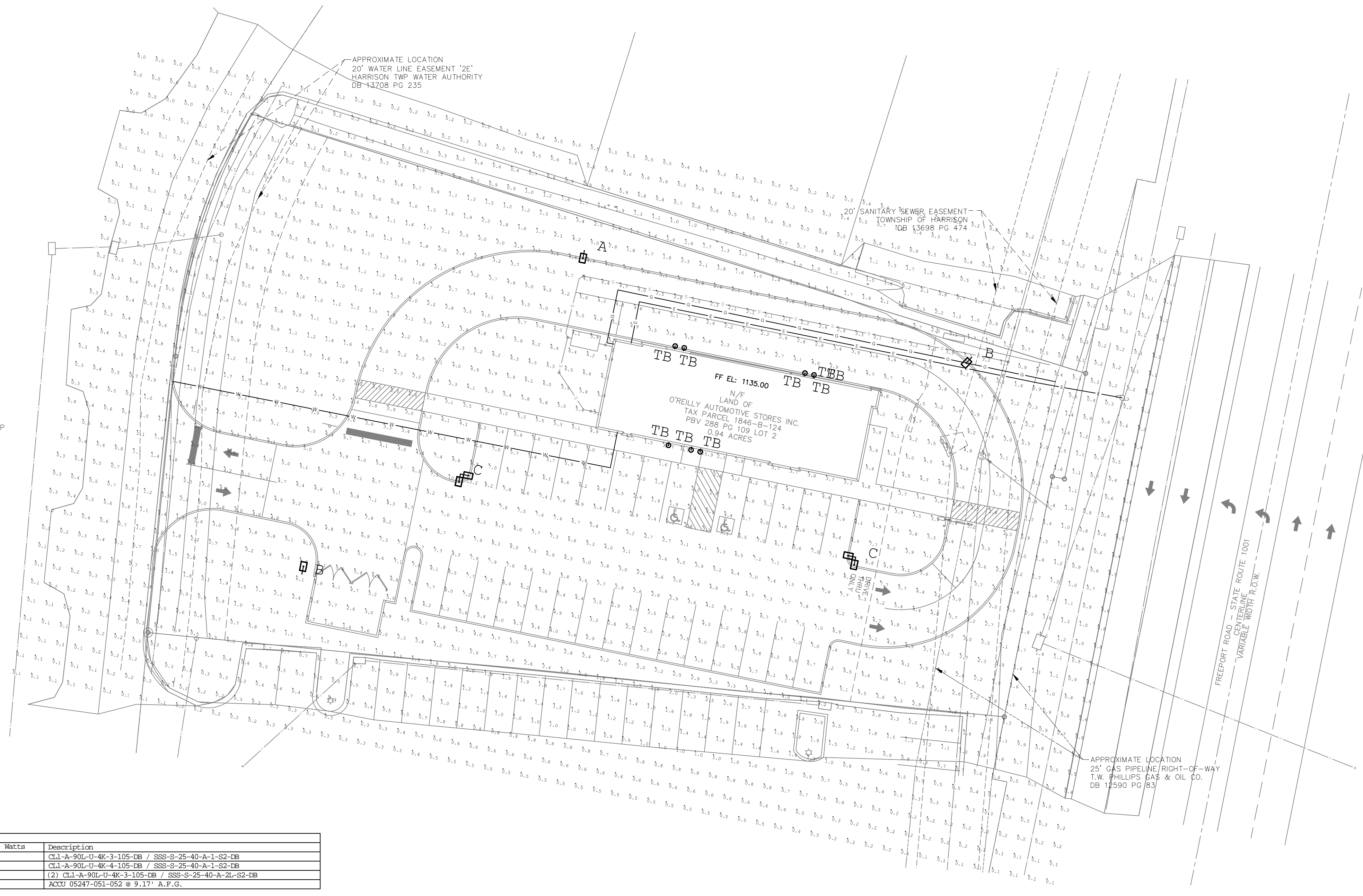
NOT USED D

NOT USED C

KEY NOTES B



04.05.17



Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
EXTENDED	2.34	115.9	0.0	N.A.	N.A.
VEHICULAR SURFACE	4.67	9.3	1.5	3.11	6.20

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

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts	Description
□	1	A	SINGLE	29369	0.900	325	CL1-A-90L-U-4K-3-105-DB / SSS-S-25-40-A-1-S2-DB
□	2	B	SINGLE	29714	0.900	325	CL1-A-90L-U-4K-4-105-DB / SSS-S-25-40-A-1-S2-DB
□	2	C	2 @ 90 DEGREES	29369	0.900	325	(2) CL1-A-90L-U-4K-3-105-DB / SSS-S-25-40-A-1-S2-DB
○	7	TB	SINGLE	1219	0.900	26	ACCU 05247-051-052 @ 9.17' A.F.G.

SITE FIXTURES ARE 325W 4000K LED w/ FLAT LENSES
 POLES ARE 25'-0" FOR AN OVERALL FIXTURE MOUNTING HEIGHT OF 27'-6" A.F.G.

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

- △
- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065

LIVE MAS
 LARGE50 - REVERSE
SITE ELECTRICAL PLAN
E1.0

PERMIT PLOT DATE:

NOT USED F

NOT USED E

NOT USED D

NOT USED C

KEY NOTES B

1 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.

NATIONAL ACCOUNTS: SWITCHGEAR
SUPPLY and INSTALL STANDARD PACKAGE

CORPORATE AND FRANCHISE DEVELOPMENT

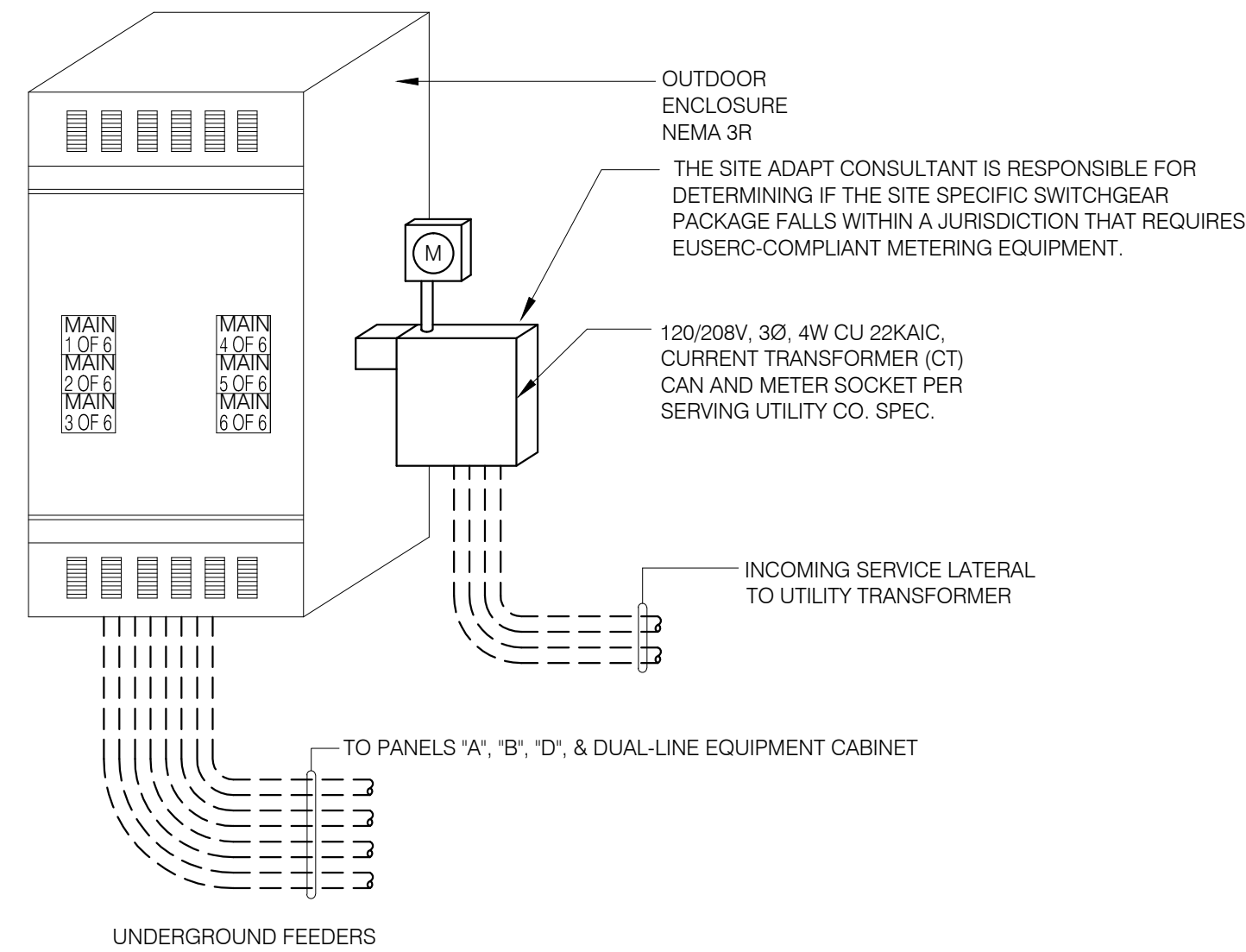
YUM NATIONAL ACCOUNT AGREEMENT IS WITH SQUARE-D FOR ELECTRICAL SWITCHGEAR EQUIPMENT FOR COMPANY AND FRANCHISE DEVELOPMENT. CUTLER-HAMMER ELECTRICAL SWITCHGEAR EQUIPMENT IS AN APPROVED ALTERNATE MANUFACTURER FOR FRANCHISE DEVELOPMENT ONLY.

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@accuserve.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

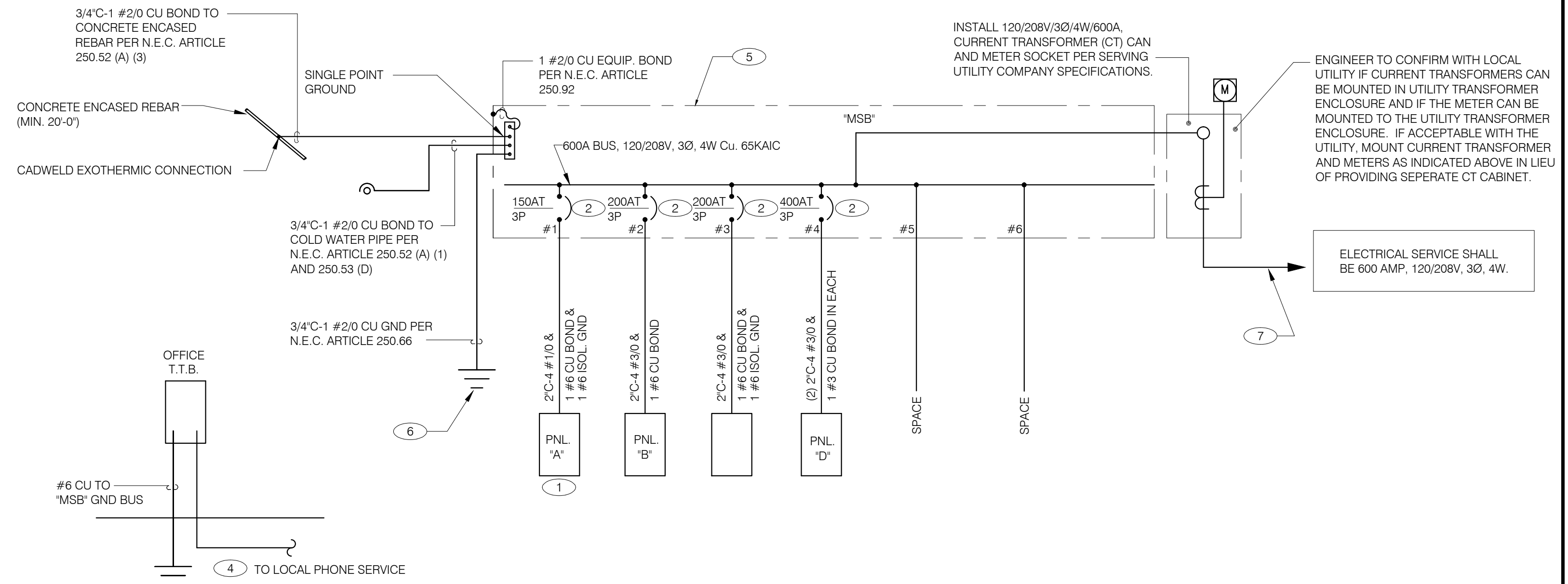
SERVICE ENTRANCE EQUIPMENT ELEVATION - NON-EUSERC PACKAGE

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 OUTLET 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

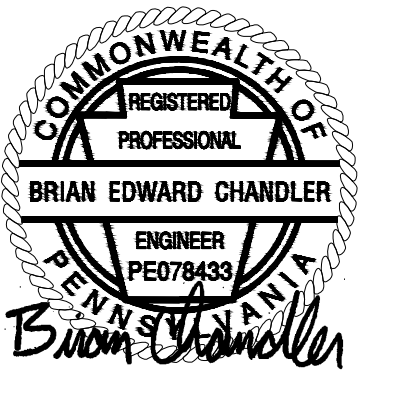
C

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ENGINEER:

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SUITE 510
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PHONE: 937.280.1288
E-MAIL: bchandler@bchandlerpe.com



04.05.17



CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL

TBD Freeport Road
Natrona Heights, PA 15065



LIVE MAS

LARGE50 - REVERSE

**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 POLARITY	TRIP PHASE	TRIP ROLE	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	2 #12	#12	D-2	
D-3	-	-	-	-	M		1621		-	B	1	20	900			L	2 #12	#12	D-4	
D-5	-	-	-	-	M			1621	-	C	3	-	-			-	-	-	D-6	
D-7	#12	3 #12	W-078	WALK-IN FREEZER	M	1321			15	A	1	20	500			M	2 #12	#12	D-8	
D-9	-	-	-	-	M		1321		-	B	1	20	360			M	2 #12	#12	D-10	
D-11	-	-	-	-	M			1321	-	C	3	20	1306			M	2 #10	#10	D-12	
D-13	#10	3 #6	-	RTU-1	H	4956			50	A	2	20	1306			M	-	-	D-14	
D-15	-	-	-	-	H		4956		-	B	1	20	1180			H	2 #12	#12	D-16	
D-17	-	-	-	-	H			4956	-	C	3	20	1306			M	2 #10	#10	D-18	
D-19	-	-	-	SPARE	-				-	A	2	-	1306			M	-	-	D-20	
D-21	-	-	-	SPARE	-		0		20	1	B	30	3120			K	2 #10	#10	D-22	
D-23	#12	2 #12	E-275	HOOD FIRE SUPPRESSION SYSTEM (1)	M			720	20	1	C	2	3120			K	-	-	D-24	
D-25	#12	2 #12	-	IRRIGATION TIMER	M	360			20	1	A	15	1169			K	2 #12	#12	D-26	
D-27	#12	2 #12	-	ROOF RECEPTACLES	M		540		20	1	B	2	1169			K	-	-	D-28	
D-29	#8	3 #3	-	RTU-2	H			10380	100	C	-	-	780			M	2 #12	#12	D-30	
D-31	-	-	-	-	H	10380			-	A	-	-	1200			M	2 #12	#12	D-32	
D-33	-	-	-	-	H		10380		3	B	1	20	1500			M	2 #12	#12	D-34	
D-35	#12	2 #12	-	EF-2 (RESTROOM)	H			700	15	1	C	1	1500			M	2 #12	#12	D-36	
D-37	-	-	-	SPARE	-		0		20	1	A	1	200			M	2 #12	#12	D-38	
D-39	-	-	-	SPARE	-		0		20	1	B	-	0			-	-	-	D-40	
D-41	-	-	-	SPARE	-		0		20	1	C	-	0			-	-	-	D-42	
						18638	18818	19698				6801	8229	8012						

WATTS: BUS A 25439
 BUS B 27047
 BUS C 27710
 TOTAL 80196

LIGHTING = 900 x 1.25 = 1125 W
 HVAC EQUIPMENT = 46008 W
 KITCHEN EQUIPMENT = 8578 x .65 = 5576 W
 OTHER LOADS (MISC.) = 22830 W
 TOTAL LOAD = 75539 W
 TOTAL CURRENT = 209 A

PANEL 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 POLARITY	TRIP PHASE	TRIP ROLE	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		-	-	-	A-2	
A-3	#12	2 #12	S-284	BEVERAGE DISPENSER S/S + ICE MAKERS	K		1380		20	1	B	1	20			M	2 #12	#12	A-4	
A-5	#12	2 #12	R-009	FULL HEIGHT FREEZER	K			1080	20	1	C	1	20			M	2 #12	#12	A-6	
A-7	-	-	-	SHUNT TRIP BREAKER	-				-	-	A	1	20	864		K	2 #12	#12	A-8	
A-9	#10	2 #10	P-452	HOT WATER DISPENSER	K		2013		30	B	1	20			M	2 #12	#12	A-10		
A-11	-	-	-	-	K			2013	2	C	1	20			M	2 #12	#12	A-12		
A-13	#12	2 #12	S-286	WATER FILTER SYSTEM	M	400			15	1	A	1	20	600		M	2 #12	#12	A-14	
A-15	#12	2 #12	F-040	OFFICE COMPUTER	M		300		20	1	B	1	20	1200		M	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	2 #12	#12	A-18	
A-19	#12	2 #12	-	OFFICE RECEPTACLES	M	360			20	1	A	1	20	0		-	-	-	A-20	
A-21	#12	2 #12	L-090	ORDER CONFIRMATION BOARD/SWITCH BOX	M		130		20	1	B	1	20	360		K	2 #12	#12	A-22	
A-23	#12	2 #12	F-360	OFFICE - VIDEO TRAINING UNIT	M			400	20	1	C	-	-	-	-	-	-	-	A-24	
A-25	#12	2 #12	S540	PEPSI BOOSTER TANK/CO2 ALARM	-	540			20	1	A	1	20	1920		K	2 #12	#12	A-26	
A-27	#12	2 #12	S-204	D/T TIMING SYSTEM	M		1056		20	1	B	-	-	-	-	-	-	-	A-28	
A-29	#12	2 #12	S-004	HEATED CABINET	K			1920	20	1	C	1	20	0		-	-	-	A-30	
A-31	#12	2 #12	C-400	TIMER - B CHANNELTIMER	M	420			20	1	A	-	-	-	-	-	-	-	A-32	
A-33	-	-	-	SHUNT TRIP BREAKER	-				-	-	B	1	20	960		-	-	-	A-34	
A-35	#10	2 #10	P-452	HOT WATER DISPENSER	K			2013	30	C	1	20		540		-	-	-	A-36	
A-37	-	-	-	-	K	2013			2	A	1	20	1780		-	-	-	-	A-38	
A-39	#12	2 #12	U-024	D/T COMM. SYS. BASE STATION	M		480		20	1	B	1	20	816		K	2 #12	#12	A-40	
A-41	#12	2 #12	B-223	WATER HEATER IGNITION	K			160	20	1	C	-	-	-	-	-	-	-	A-42	
						5029	5359	7886				5164	5736	1944						

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

LIGHTING = 22112 x 1.25 = 27640 W
 OTHER LOADS (MISC.) = 500 W
 TOTAL LOAD = 28140 W
 TOTAL CURRENT = 78 A

PANEL 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 POLARITY	TRIP PHASE	TRIP ROLE	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		-	2 #12	#12	B-2	
B-3	#12	2 #12	-	KITCHEN, OFFICE, RESTROOM LIGHTS (5)	L		265		20	1	B	1	20	1076		-	2 #10	#10	B-4	
B-5	#12	2 #12	-	COOLER/FREEZER LIGHTS (5)	L			800	20	1	C	1	20	0		-	2 #8	#8	B-6	
B-7	#12	2 #12	-	LIGHTING CONTROL (1)	M	500			20	1	A	1	20	820		-	2 #8	#8	B-8	
B-9	#10	2 #10	-	OUTSIDE LIGHTS (2)	L		1281		20	1	B	1	20	1025		-	2 #8	#8	B-10	
B-11	-	-	-	SPARE	-			0	20	1	C	1	20	1500		-	2 #12	#12	B-12	
B-13	-	-	-	SPARE	-		0		20	1	A	1	20	1500		-	2 #12	#12	B-14	
B-15	#10	2 #10	-	MENU BOARD @ D/T (2)	L		500		20	1	B	1	20	0		-	2 #12	#12	B-16	
B-17	-	-	-	SPARE	-		0		20	1	C	1	20	0		-	-	-	B-18	
B-19	#12	2 #12	-	SHOW WINDOW	L	1200			20	1	A	1	20	0		-	-	-	B-20	
B-21	-	-	-	SPACE	-		0		-	-	B	1	20	1200		-	2 #12	#12	B-22	
B-23	#12	2 #12	-	SHOW WINDOW	L		1200		20	1	C	1	20	1200		-	2 #12	#12	B-24	
B-25	#12	2 #12	-	SHOW WINDOW	L	1200			20	1	A	1	20	0		-	-	-	B-26	
B-27	#10	2 #10	-	BUILDING SIGNS (2)	L		480		20	1	B	-	-	0		-	-	-	B-28	
B-29	#10	2 #10	-	PYLON SIGN (2)	L		1200		20	1	C	-	-	0		-	-	-	B-30	
B-31	#12	2 #12	-	SHOW WINDOWS	L	1200			20	1	A	-	-	0		-	-	-	B-32	
B-33	#10	2 #10	-	BUILDING SIGNS (2)	L		1200		20	1	B	-	-	0		-	-	-	B-34	
B-35	#8	2 #8	-	DIRECTIONAL SIGNS	L		1200		20	1	-	-	-	0		-	-	-	B-36	
B-37	-	-	-	SPACE	-		0		20	1	A	-	-	0		-	-	-	B-38	
B-39	-	-	-	SPACE	-		0		20	1	B	-	-	0		-	-	-	B-40	
B-41	#10	2 #10	-	BUILDING SIGNS (2)	L		1200		20	1	C	-	-	0		-	-	-	B-42	
						4370	3716	5600				2925	3301	2700						

WATTS: BUS A 7295
 BUS B 7017
 BUS C 8300
 TOTAL 22612

LIGHTING = 22112 x 1.25 = 27640 W
 OTHER LOADS (MISC.) = 500 W
 TOTAL LOAD = 28140 W
 TOTAL CURRENT = 78 A

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

LIGHTING PANEL B

PANEL	LIGHTING (W) **	KITCHEN EQUIP. (W) ***	HVAC (W)	MISCELLANEOUS (W)	CONNECTED LOAD	DEMAND LOAD (W)
A	22112	4756	0	500	34168	33447
B	22112	0	0	500	22612	28140
C	1125	5576	46008	22830	80196	75539
TOTAL	23337	67486	46008	34931	183990	160508

LOAD KEY LEGEND

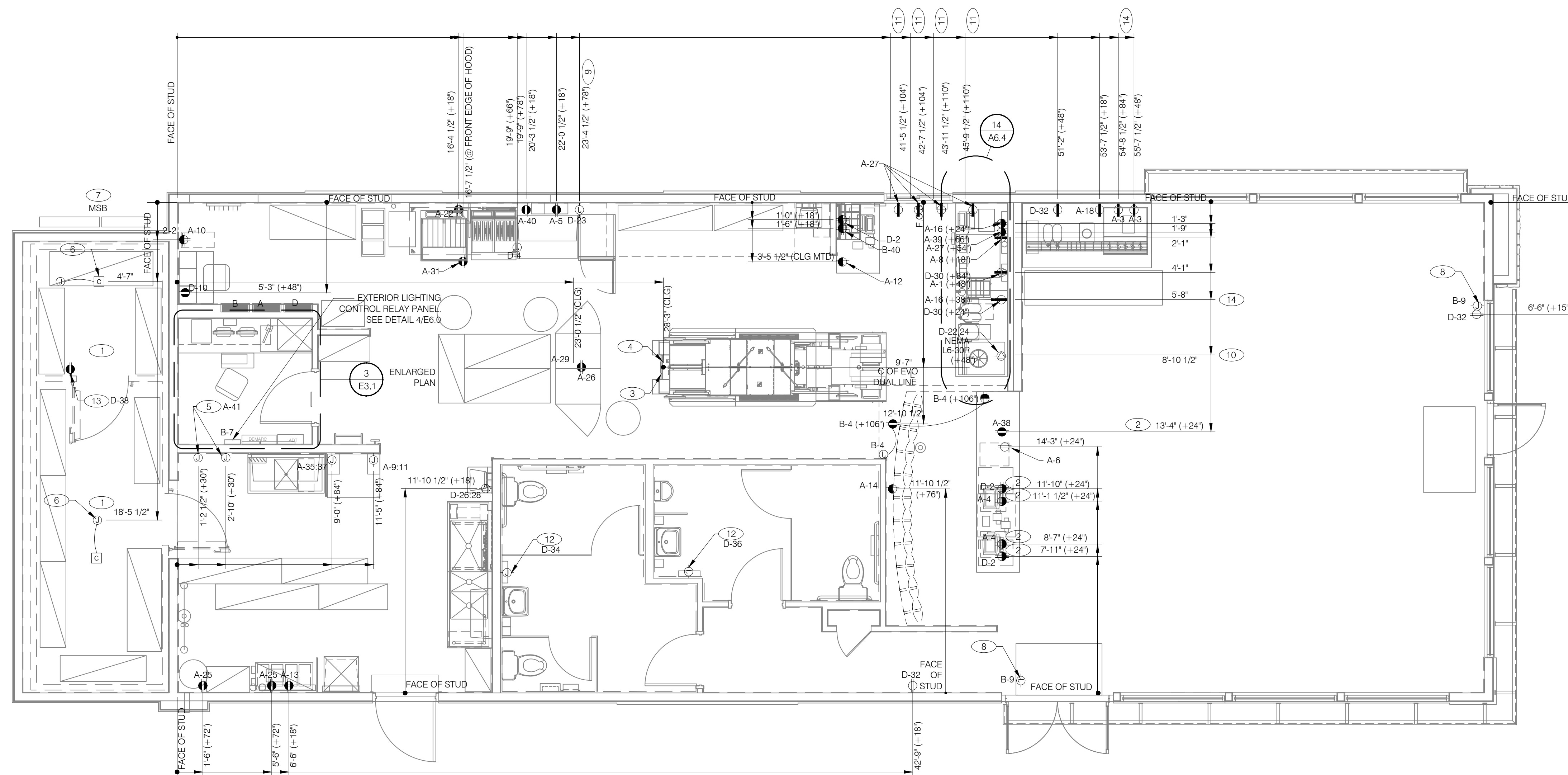
LOAD DESCRIPTION	APPLICABLE FACTOR
L LIGHTING	125% **
K KITCHEN EQUIPMENT	65% ***
H HVAC	100%
M MISC. EQUIPMENT	100%

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

ENGINEER:

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

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.

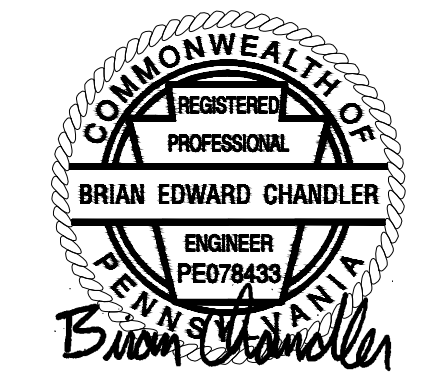
- 1 REFER TO ROOF PLAN.
- 2 INSTALL SURFACE MOUNTED IN CONDUIT RUNNING ON KITCHEN SIDE OF CABINETRY REAR WALL.
- 3 CONNECT DRY PRODUCTION EVO LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 200 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH 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 J-BOX - 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**



04.05.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



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.

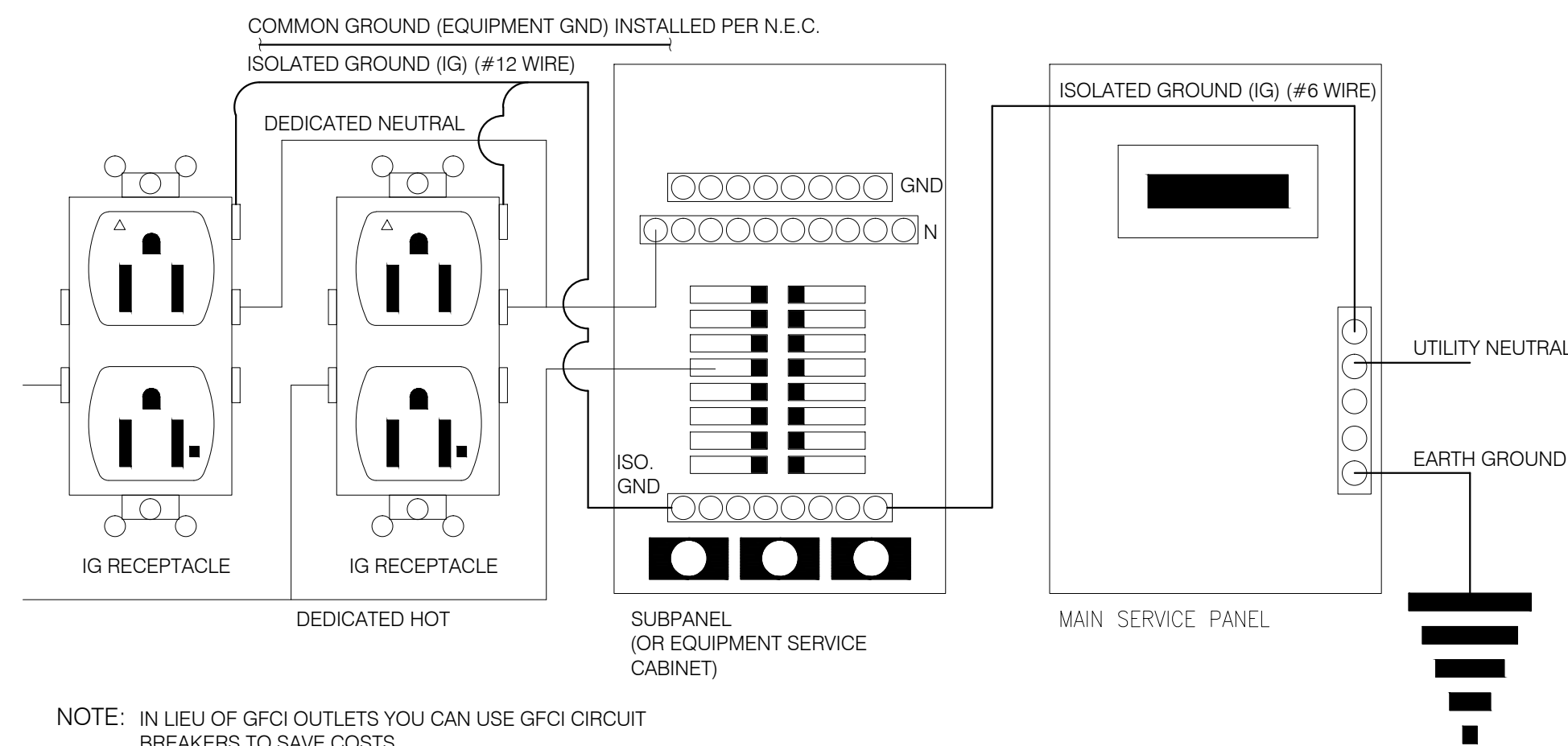
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

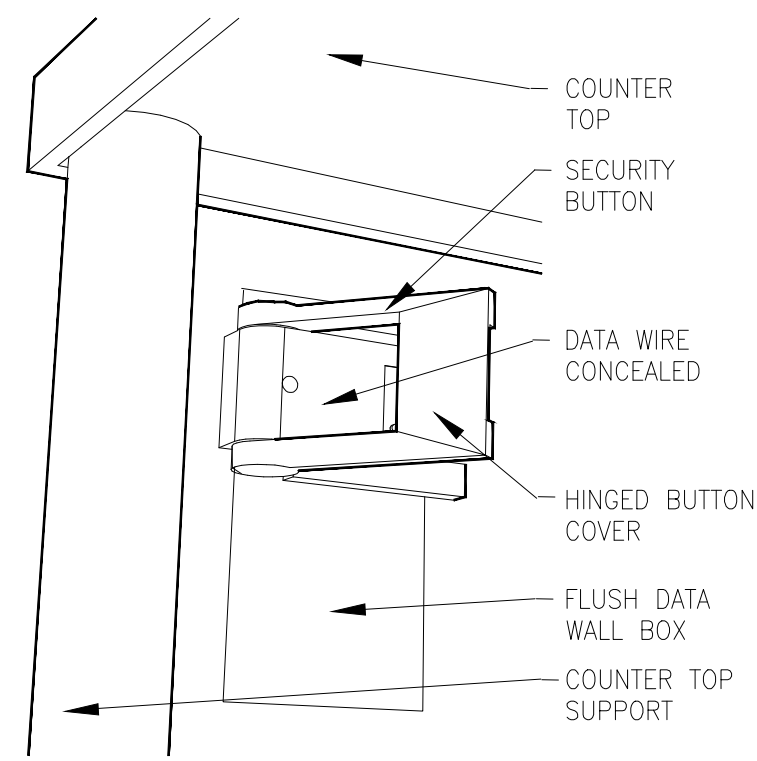
- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY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

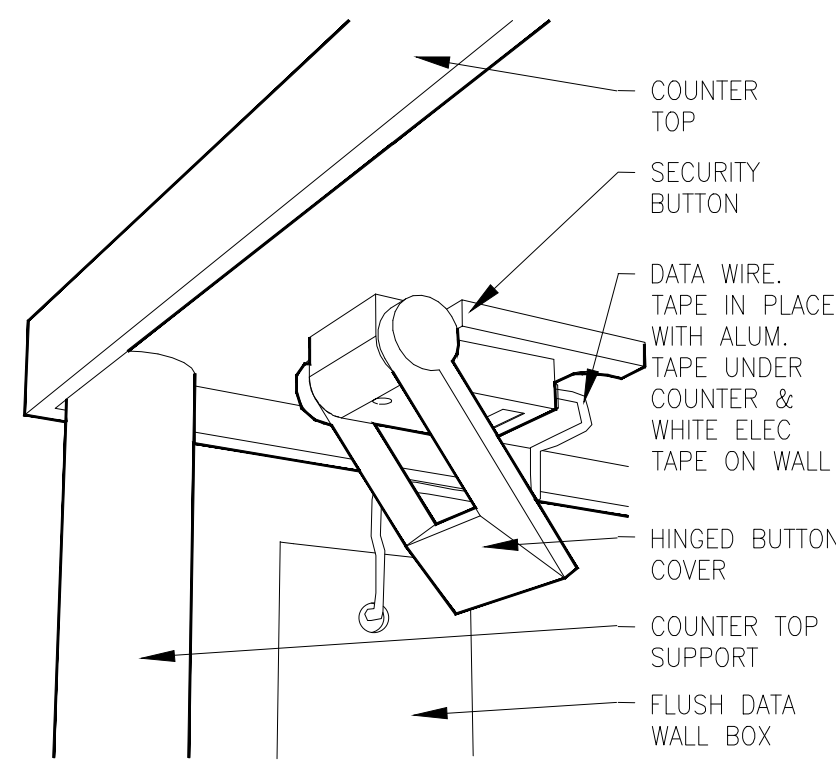
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE 'PHASE ALIGNED' WITH THE 'B' PHASE OF BUILDING SUBPANEL 'A'.



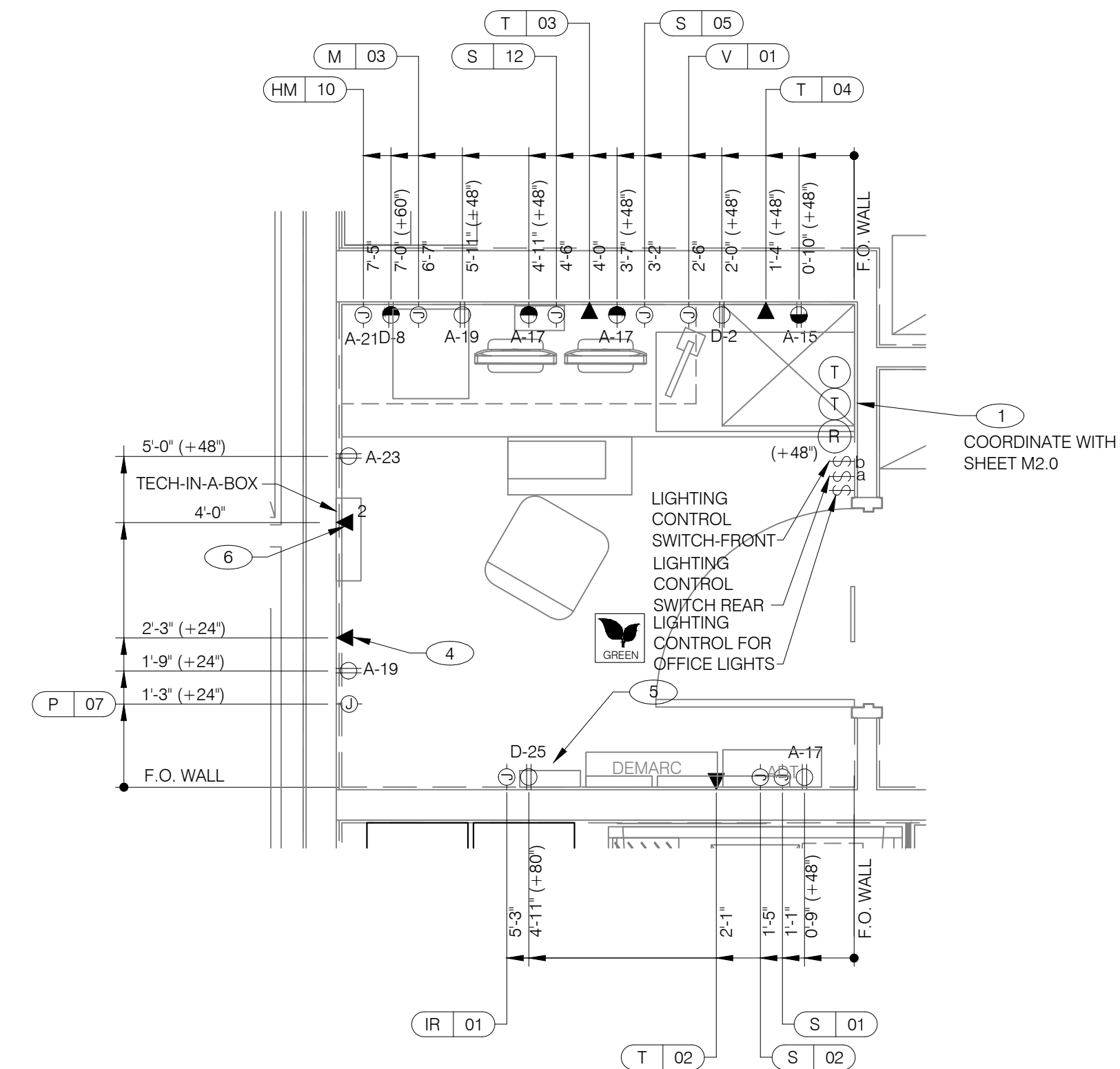
P.O.S. ISOLATED GROUND SYSTEM N.T.S. **14**



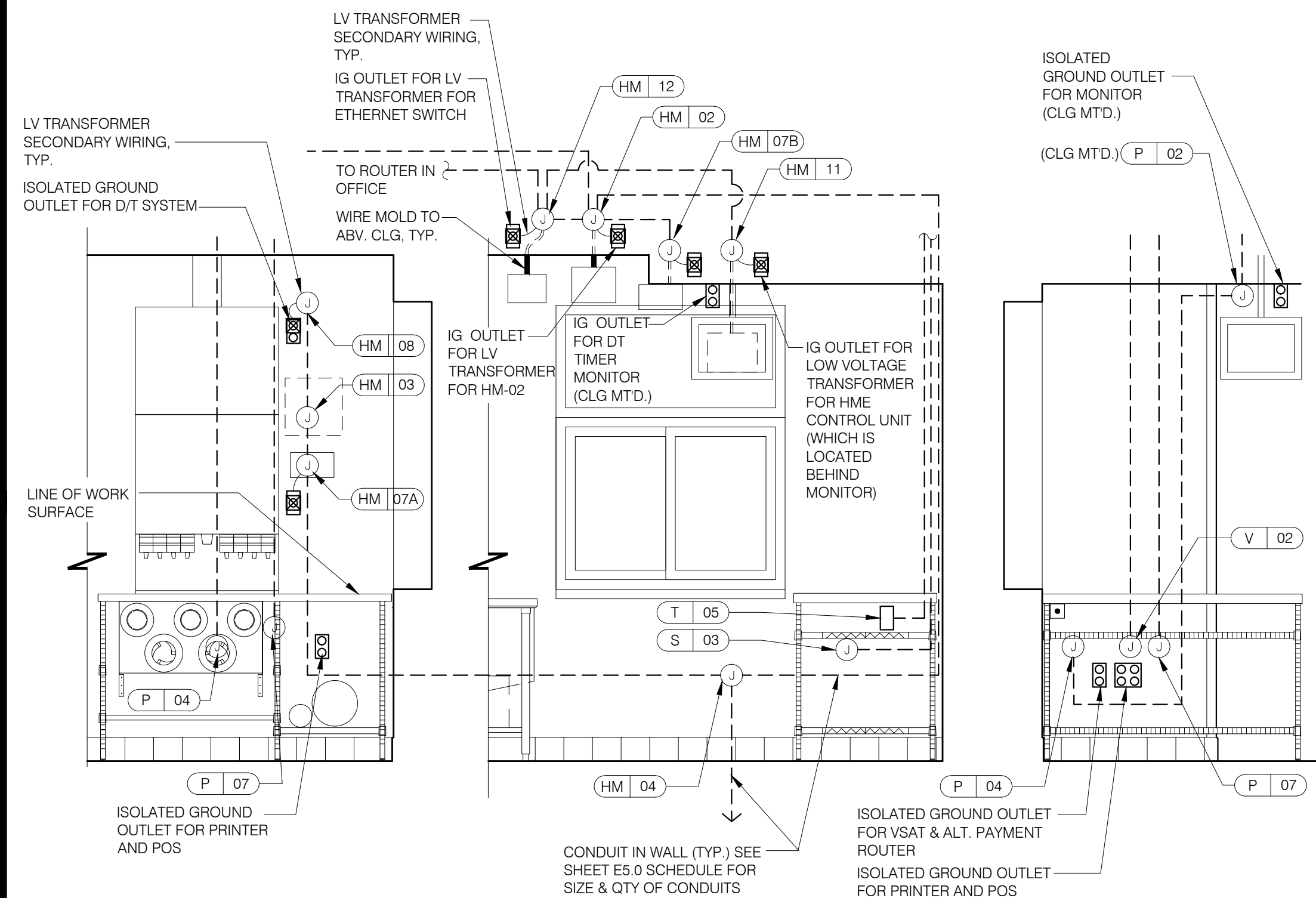
SECURITY BUTTON ON WALL N.T.S. **5**



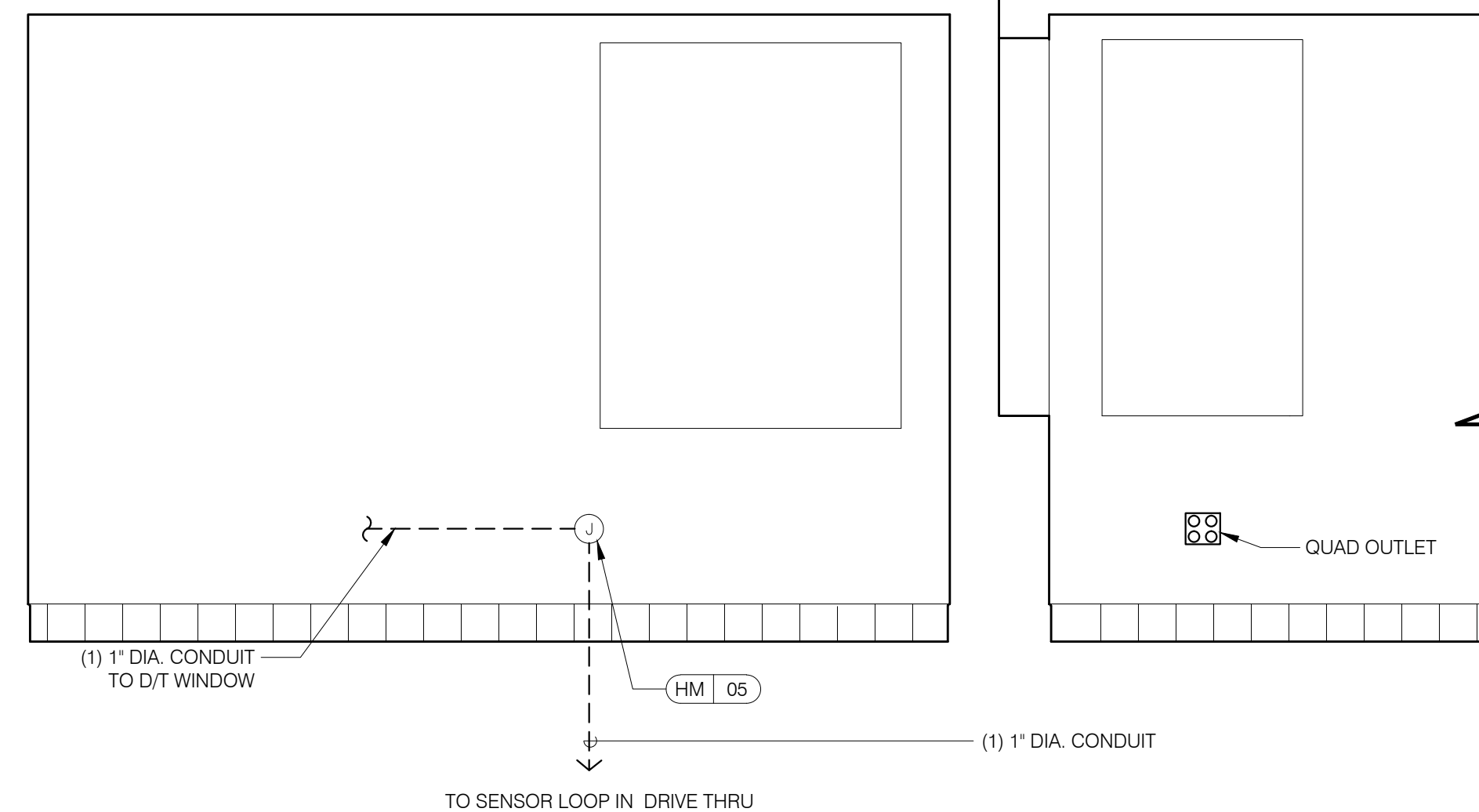
SECURITY BUTTON UNDER COUNTER N.T.S. **6**



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**

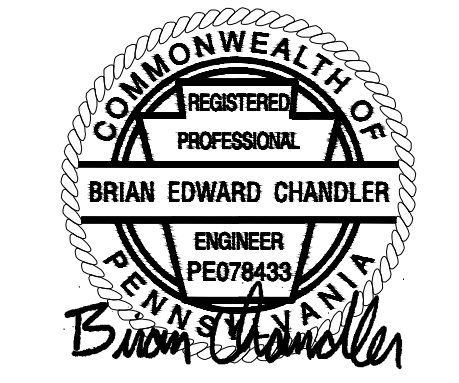
- 1 THERMOSTAT CONTROLS
- 2 NOT USED.
- 3 NOT USED.
- 4 PHONE JACK FOR MODEM.
- 5 LOCATION OF FAN & LIGHT CONTROL BOX. COORDINATE EXACT LOCATION IN FIELD.
- 6 DATA JACK FOR TECH-IN-A-BOX WITH 2 PORTS.

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

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04.05.17

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 - REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



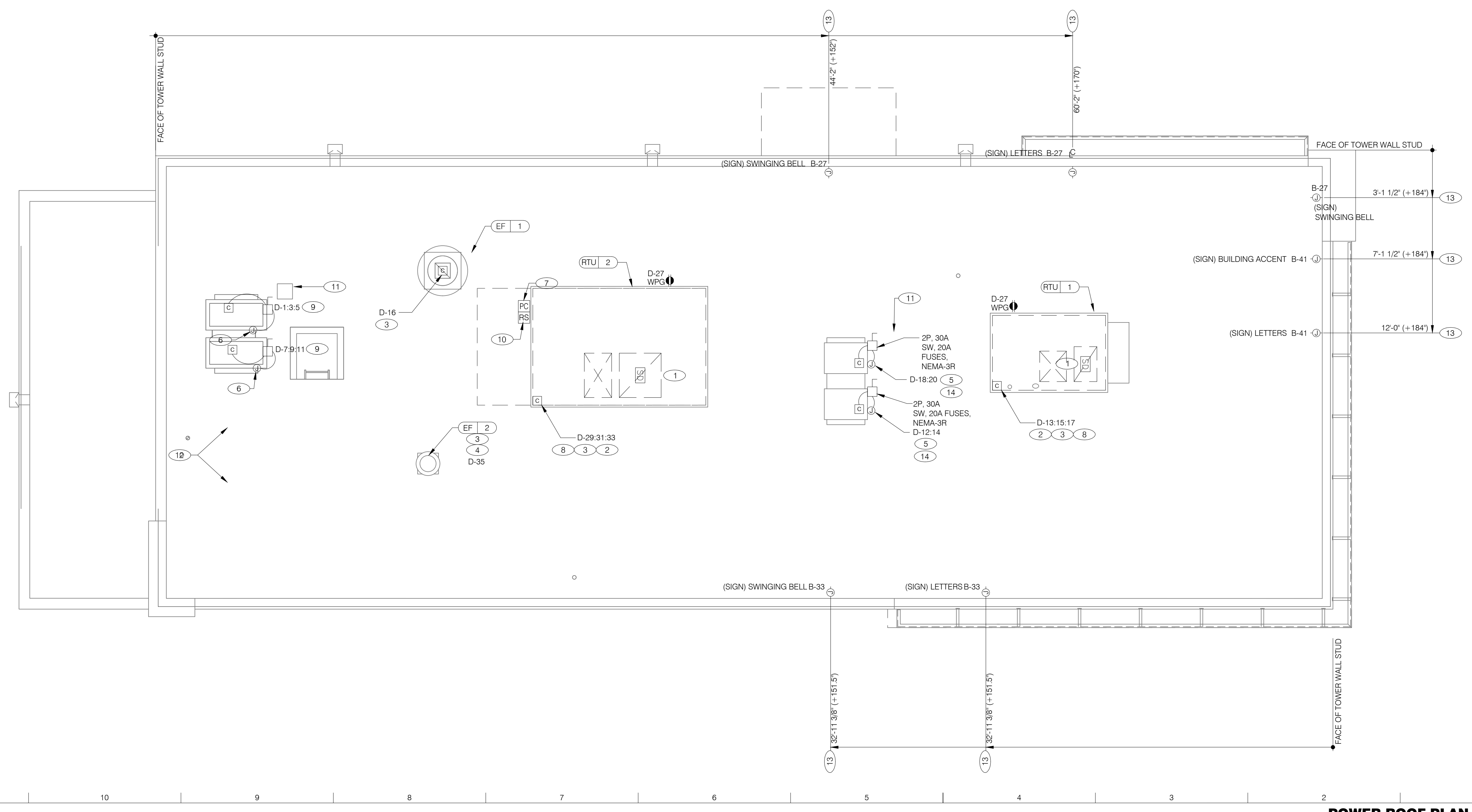
LIVE MAS

LARGE50 - REVERSE

ENLARGED POWER PLAN AND DETAILS

E3.1

PERMIT PLOT DATE:



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△
△
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CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



POWER ROOF PLAN
E3.2

PERMIT PLOT DATE:

- POWER ROOF PLAN NOTES**
- 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

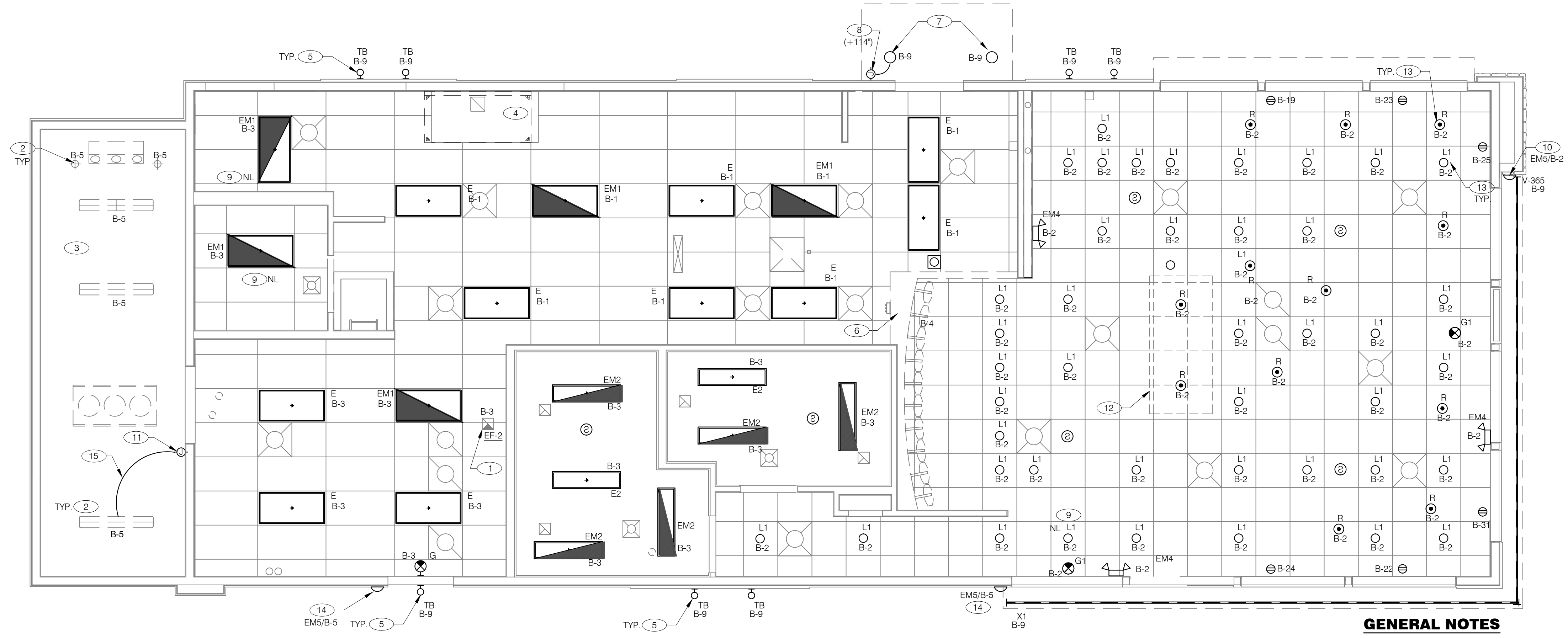
NOT USED E

POWER ROOF PLAN NOTES D

KEY NOTES B



04.05.17



GENERAL NOTES
 THE LISTED LIGHT FIXTURE PACKAGE CAN BE BID DIRECTLY OR ORDERED FROM A ACCUSERV (LIGHTING DISTRIBUTOR). CONTACT BUDDY BOCKWEG 502-961-0096 X19.

- GENERAL NOTES**
- CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
 - EMERGENCY AND NORMAL LIGHTING MARKED WITH 'NL' SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST.
 - EMERGENCY LIGHTING NOT MARKED WITH 'NL' SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED HOT TO NORMAL BALLAST.
 - ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).
 - ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THRU THE LIGHTING CONTROL RELAYS. SEE 2/E6.0., FOR BI-LEVEL LIGHTING CONTROLS.
 - CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
 - ALL FIXTURES SUPPLIED WITH LAMPS.

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

NO.	QTY	LOCATION	MFR / CATALOG NUMBER	DESCRIPTION	LAMP		BALLAST TYPE	MOUNTING		VOLT	WATT	REMARKS
					#	TYPE		TYPE	HT.			
E	10	KITCHEN & OFFICE	LITHONIA LIGHTING 2TL4	2x4 T-GRID LED TROFFER	-	LED	NA	RECESSED GRID		120	50	-
EM1	5	KITCHEN & OFFICE	LITHONIA LIGHTING 2TL4	2x4 T-GRID LED TROFFER	-	LED	NA	RECESSED GRID		120	50	SAME AS E WITH BATTERY BACK-UP
E2	2	RESTROOM	LITHONIA LIGHTING TL4	1x4 LED TROFFER	-	LED	NA	RECESSED FLANGE		120	46	-
EM2	5	RESTROOM	LITHONIA LIGHTING TL4	1x4 LED TROFFER	-	LED	NA	RECESSED FLANGE		120	46	SAME AS E2 WITH BATTERY BACK-UP
EM4	3	DINING	THOMAS/McPHILBEN CAY6	EMERGENCY LIGHT FROG EYE	2		NA	WALL	TOP @ 9'-4" U.O.N.	120	18	UNSWITCHED HOT
EM5	3	EXTERIOR	LIGHTALARMS CAMN/LX6-DB	EMERGENCY EXTERIOR EGRESS FIXTURE	2			WALL	SEE KEY NOTES	120	18	UNSWITCHED HOT
G	1	KITCHEN	LIGHTOLIER LLNURW	EXIT SIGN, LED UNIVERSAL MOUNT LED	-		NA	WALL		120	4	
G1	2	DINING	LIGHTOLIER LLNURW	EXIT SIGN, LED UNIVERSAL MOUNT LED	-		C	CEILING		120	4	PENDANT MOUNT FIXTURE +9 A.F.F. TO BOTTOM

BALLAST LEGEND

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

NO.	QUANTITY	LOCATION	MFR / CATALOG NUMBER	DESCRIPTION	LAMP		BALLAST TYPE	MOUNTING		VOLT	WATT	REMARKS
					#	TYPE		TYPE	HT.			
L1	43	DINING	ACCUSERV #00395-016-RC6-CT6FB	DOWNLIGHT LED RECESSED	1	LED	NA	RECESSED DROP CLG.	BOT @ 9'-4" A.F.F.	120	10.5	
R	12	DINING	ACCUSERV BES00298-052	OPAL GLASS PENDANT	1	11W LED A19 LAMP	NA	PENDANT	6'-0" A.F.F.	120	11	LAMP (60W) EQ WARM WHITE (2700K) LED
TB	9	EXTERIOR WALL	ACCUSERV 05247-051 / 052	WALL SCONCE, CUSTOM DARK BRONZE FINISH	2	18W PAR38 LED 18W	F	WALL	CENTER OF BRACKET AT 9'-2" A.F.F.	120	36	
TC	9	EXTERIOR WALL (LED OPTION)	HI LITE H-ATB-23-L	GOOSENECK LIGHT	1	LED	NA	WALL	CENTER OF BRACKET AT 14'-0" A.F.F.	120	31	
X1	163.5 LF	EXTERIOR SLAT WALL	AGILIGHT #LA-APEX-65K-G2	LED STRIP LIGHT	1	LED	WALL			120	3.28/FT	BY SIGN VENDOR
A	1 (VERIFY)	SITE POLE	CIMARRON CL1-A-90L-U-4K-3-105-DB/SSS-S-25-40-A-1-S2-DB	1 FXTR. POLE MOUNTED DARK BRONZE FINISHED	1	LED 325W	NA	POLE	25'-0"	120	325	SEE CIVIL PLANS FOR POLE DETAILS
B	2 (VERIFY)	SITE POLE	CIMARRON CL1-A-90L-U-4K-4-105-DB/SSS-S-25-40-A-1-S2-DB	1 FXTR. POLE MOUNTED DARK BRONZE FINISHED	1	LED 325W	NA	POLE	25'-0"	120	325	SEE CIVIL PLANS FOR POLE DETAILS
C	2 (VERIFY)	SITE POLE	CIMARRON (2) CL1-A-90L-U-4K-3-105-DB/SSS-S-25-40-A-2L-S2-DB	2 FXTRS. POLE MOUNTED DARK BRONZE FINISHED	2	LED 650W	NA	POLE	25'-0"	120	650	SEE CIVIL PLANS FOR POLE DETAILS

LIGHTING FIXTURE SCHEDULE **C**

- EF-2 SHALL BE CONNECTED AND CONTROLLED VIA LOCAL LIGHTING CIRCUIT.
- INDICATES LIGHTING FIXTURES PROVIDED WITH WALK-IN COOLER. REFER TO GENERAL NOTE D.
- WALK-IN COOLER / FREEZER - SEE SCOPE OF WORK.
- EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER DETAIL 2/E6.0.
- COORD. J-BOX LOCATION SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY MOUNTING HEIGHT WITH ARCH. DWGS.
- OUTLET FOR MENU BOARD: SEE SHEET E3.0. VERIFY POINT OF CONNECTION. 10 LIGHT PANELS WIRED IN SERIES. G.C. TO MAKE FINAL CONNECTION.
- CANOPY DOWN LIGHTS FURNISHED WITH CANOPY.
- J-BOX FOR CANOPY LIGHTS. VERIFY POINT OF CONNECTION. WIRE VIA EXTERIOR LIGHTING CONTACTOR.
- NIGHT LIGHT.
- MOUNT 'EM5' AT 8'-6" A.F.G. TO CENTER OF FIXTURE.
- J-BOX FOR COOLER/FREEZER LIGHTS. COORDINATE WITH MANUFACTURER.
- PRE-FABRICATED SOFFIT WITH LIGHTING. REFER TO A7.1 FOR SPECIFICS. (OPTIONAL).
- COORDINATE THE POSITION OF LIGHT FIXTURES WITH THE POSITION OF THE TABLES BELOW.
- MOUNT 'EM5' AT 8'-0" A.F.G. TO CENTER OF FIXTURE.
- WATER PROOF ELECTRICAL CONDUITS.

KEY NOTES **B**

CONTRACT DATE:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 ~ REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



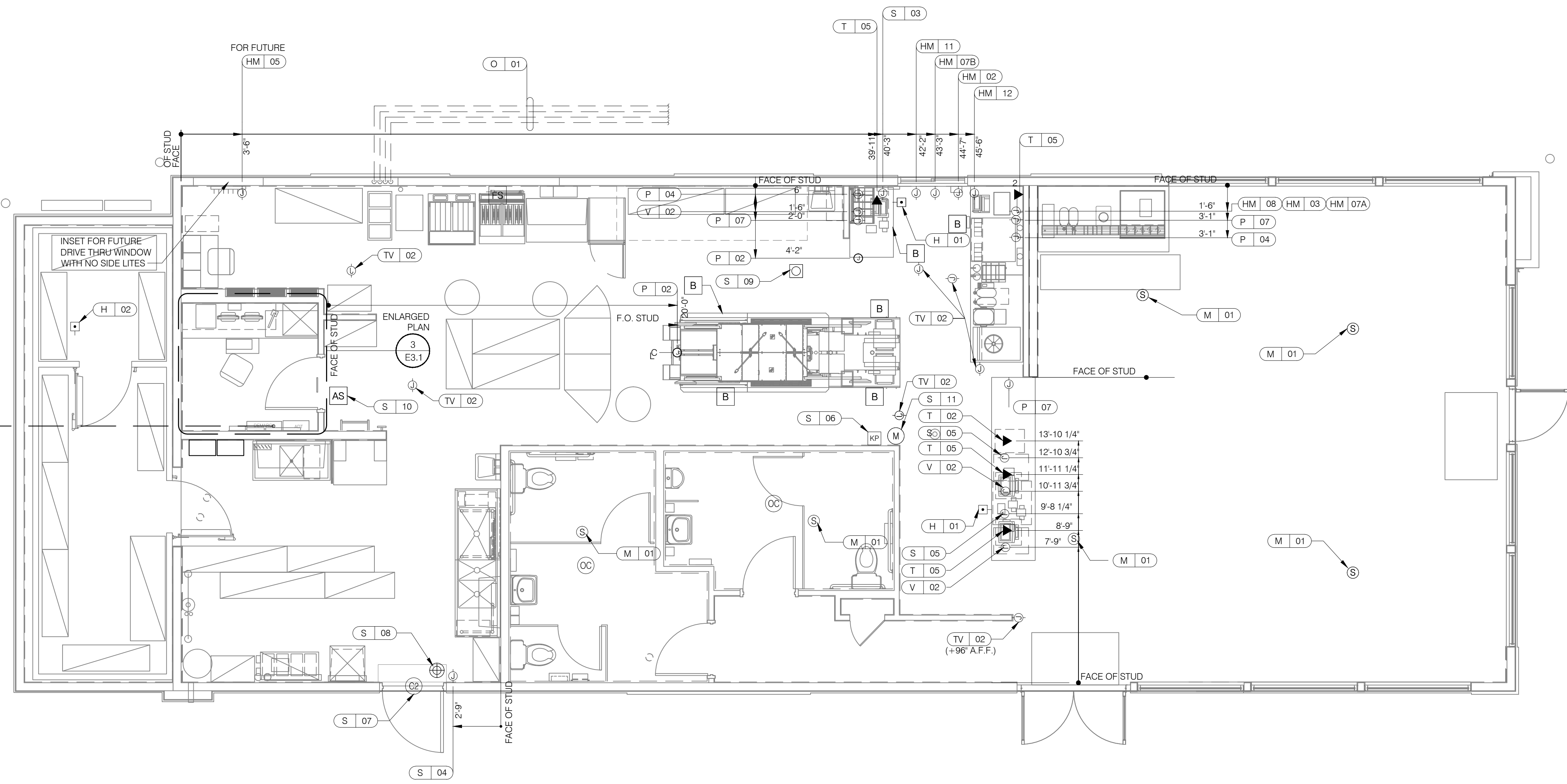
LIVE MAS
 LARGE50 - REVERSE

LIGHTING PLAN AND SCHEDULE

E4.0
 PERMIT PLOT DATE:



04.05.17



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**

COMMUNICATIONS LEGEND		D	
⊠	HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)	(C1)	DOOR CONTACT
⊙	MUSIC SYSTEM SPEAKERS	(C2)	DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
⊚	SECURITY STROBE	⊕	"SOUND ALERT" DEVICE
⊙	J-BOX	KP	KEYPAD (MTD AT 48" A.F.F.)
◀	2" x 4" J-BOX W/ DATA PORTS	AS	ALARM SIREN ABOVE CLG
(M)	MOTION DETECTOR	B	BUMP PAD (MOUNT AT FRONT COUNTER)
(OC)	OCCUPANCY SENSOR. CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0	FS	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.	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B, (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. 16/E3.1.
HM 03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-07A. SEE DET. 16/E3.1.
HM 04	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X8 J-BOX W/ (1) 1" CONDUIT TO HM-02, (1) 1" CONDUIT TO HM-07A, (1) 1" CONDUIT TO PICK-UP WINDOW D/T LOOP, AND (3) 1" CONDUITS TO D/T MENU BOARD. SEE DET. 16/E3.1.
HM 05	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" CONDUIT 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. SYSTEM. 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/FA. 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:
 BUILDING TYPE: LIVE MAS - Large 50
 PLAN VERSION: 11.12.15 -- REV P
 SITE NUMBER:
 STORE NUMBER: TBD

TACO BELL
 TBD Freeport Road
 Natrona Heights, PA 15065



COMMUNICATIONS PLAN
E5.0

PERMIT PLOT DATE:

Taco Bell Interlock Control Box

The intent of the Control Box is to activate or deactivate the following:

- Kitchen Lighting
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Rest room / cook line exhaust fan
- Dining room lighting

Sequence of Operation

Occupied Mode

A Team Member turns on the kitchen lights by flipping a wall switch "up" in the manager's office, placing the kitchen in "Occupied" mode. The switch is installed inverted in the office so that the normal action of flipping the switch up breaks power to the lighting contactor in the Control Box. The contacts in the lighting contactor revert to their normally closed position. This allows power to proceed to the following:

- The restroom and cook line exhaust fan marked "EF-2"
- A light switch in the manager's office for the dining room lights
- The kitchen and rest room lights
- A timer relay for the exhaust hood motor starter marked "EF-1" and a relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

The timer relay for the exhaust hood motor starter immediately activates motor starter EF-1 and relay R1. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Activation of relay R1 causes the contacts for RTU 1 and RTU 2 to close, returning 24 volts to the evaporator fan controller of each respective unit.

Unoccupied Mode

A Team Member turns off the kitchen lights by flipping a wall switch "down" in the manager's office, placing the kitchen in "Unoccupied" mode. The switch is installed inverted in the office so that the normal action of flipping the switch down provides power to the lighting contactor in the Control Box. The contacts in the lighting contactor open from their normally closed position. This breaks power to the following:

- The restroom and cook line exhaust fan marked "EF-2"
- A light switch in the manager's office for the dining room lights
- The kitchen and rest room lights
- Control power to timer relay for the exhaust hood motor starter marked "EF-1" and a relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

The timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay R1 opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

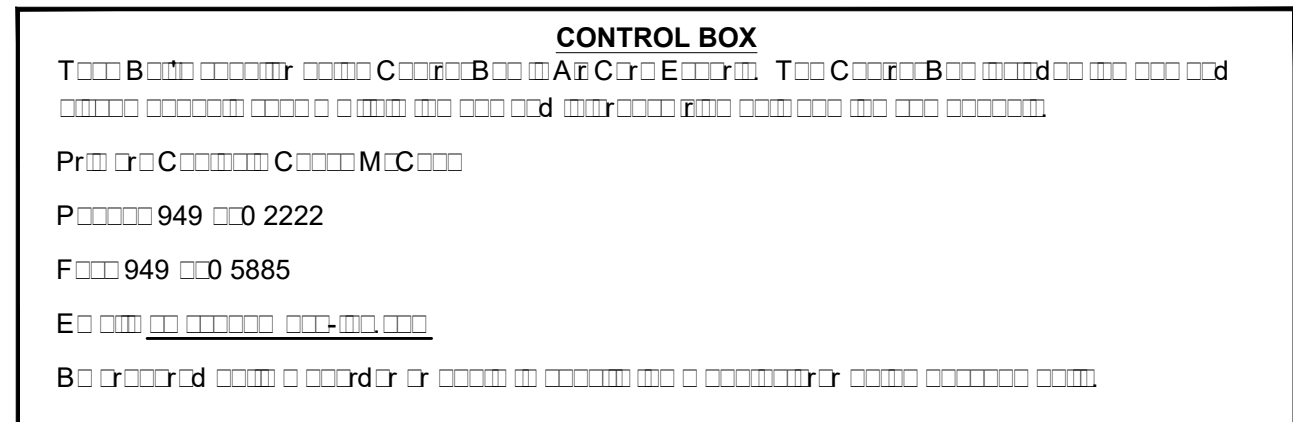
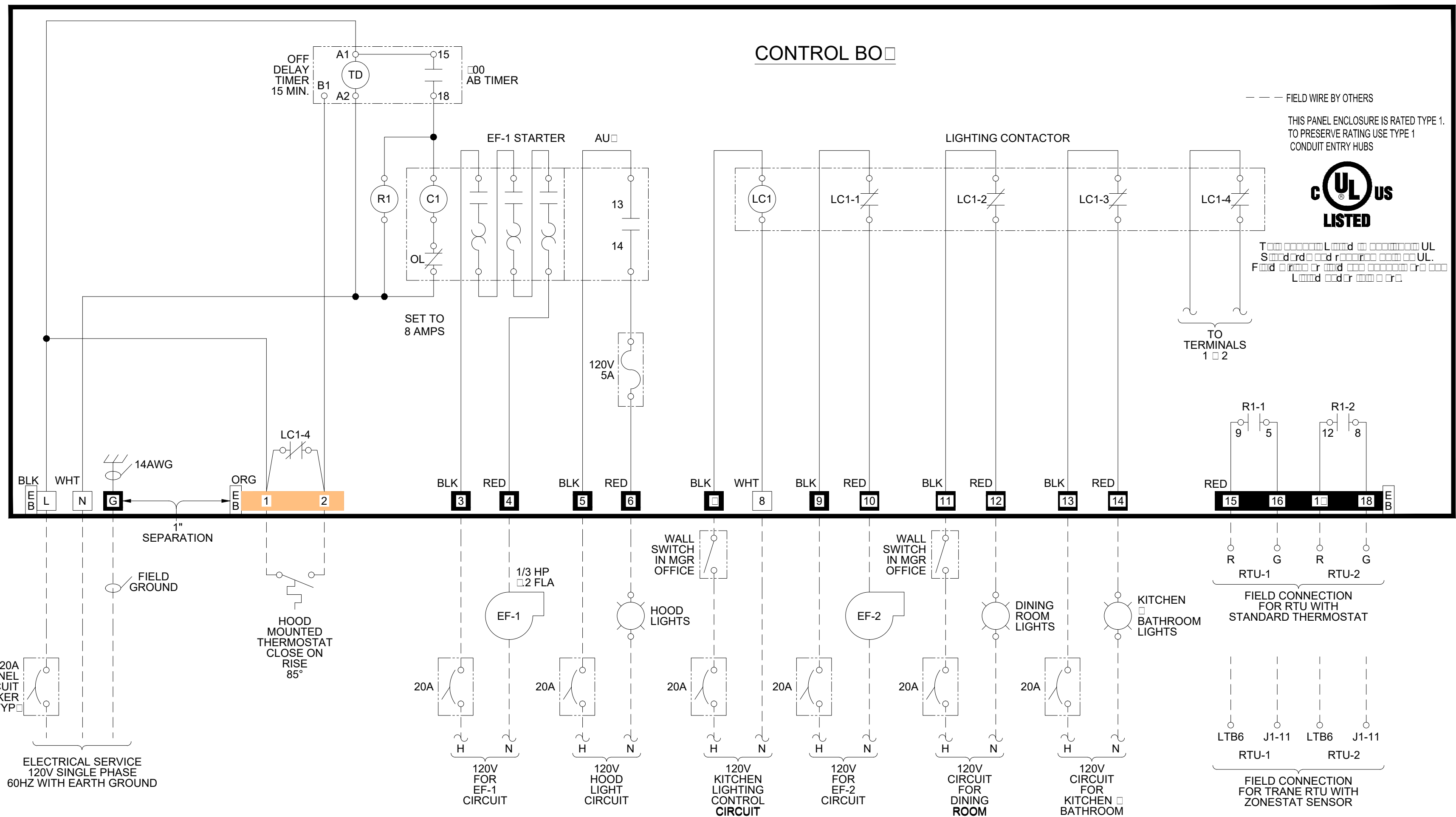
In the event of a rise in temperature above 85 degrees in the exhaust hood, control voltage will be sent to the timer relay for the exhaust hood motor starter which will immediately activate motor starter EF-1 and relay R1. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Upon activation of relay R1, the contacts for RTU 1 and RTU 2 close, returning 24 volts to the evaporator fan controller of each unit.

When in Unoccupied mode and upon a drop in temperature below 100 degrees in the exhaust hood, control voltage to the timer delay is dropped however the timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of control power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (R1) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay R1 opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

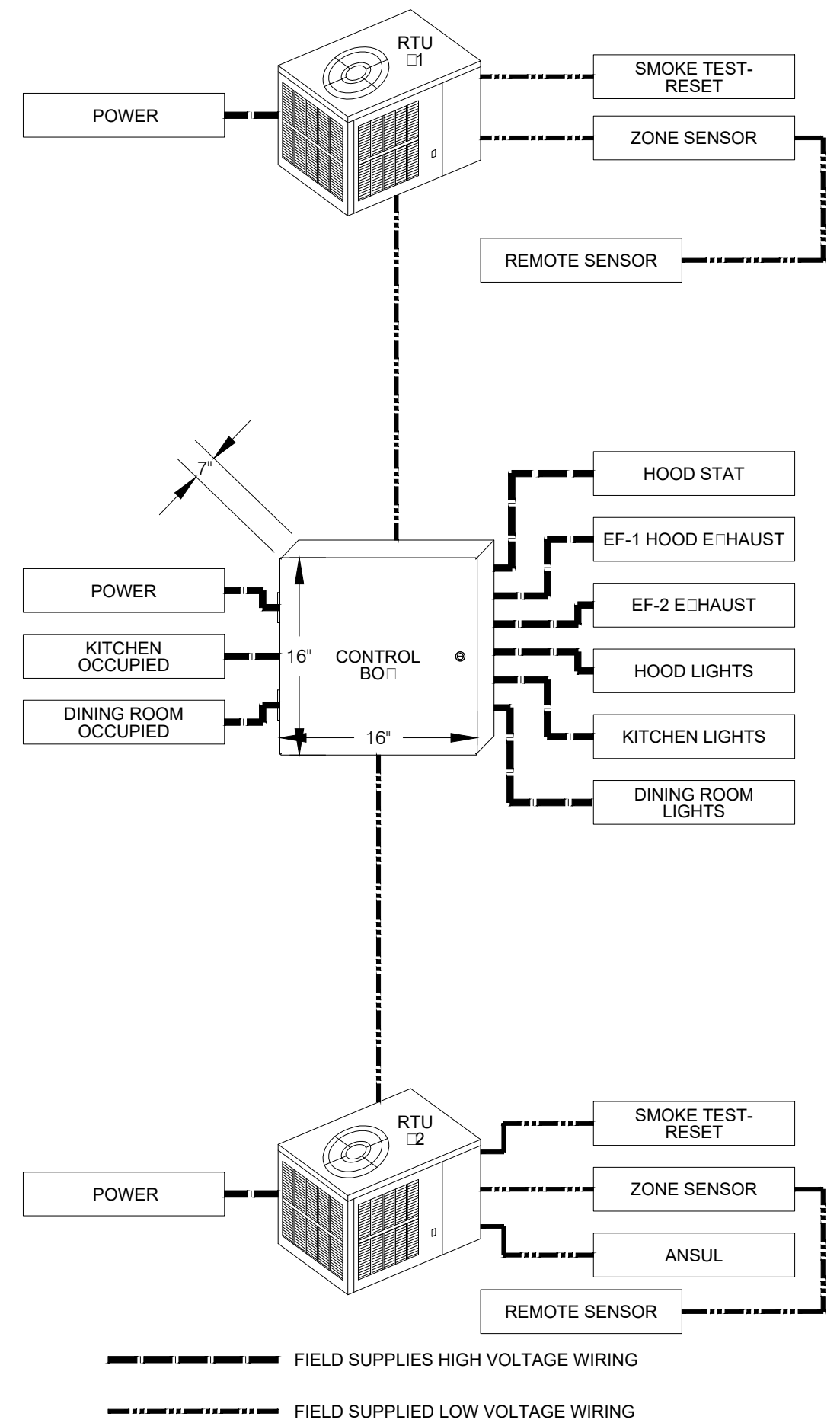
External Operations

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

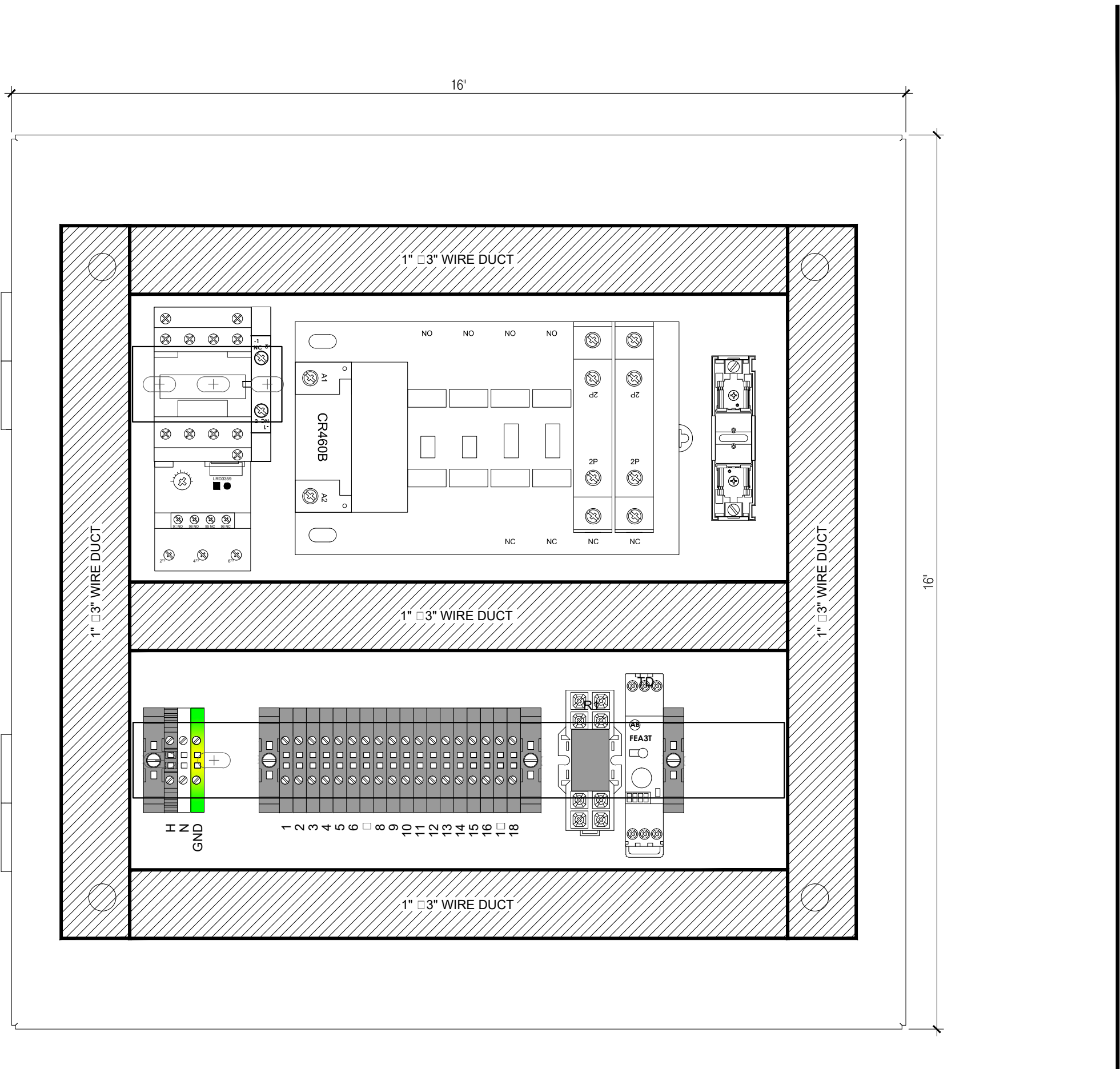
- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2.
- A remote smoke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



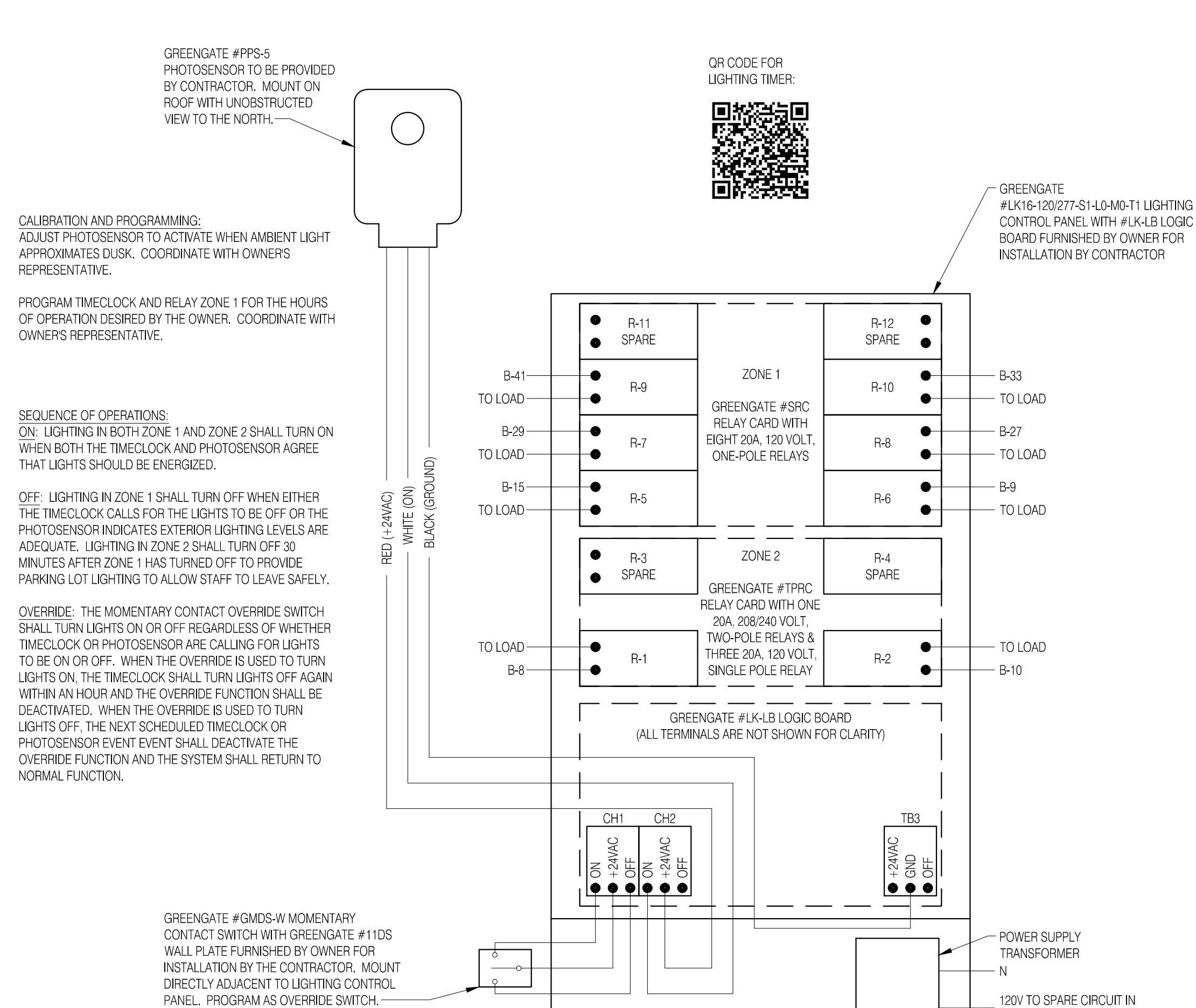
LIGHTING CONTROL RELAY (REAR) AND HOOD AND HVAC INTERLOCK DETAIL N.T.S. **2**



COMPONENT RELATIONSHIP N.T.S. **20**



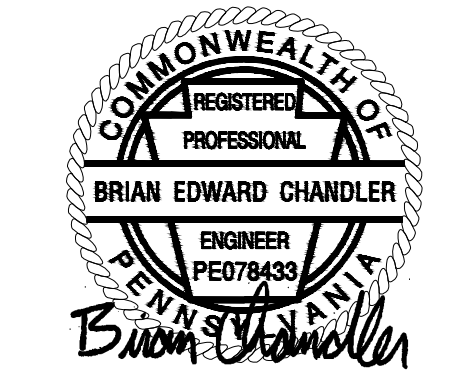
FAN & LIGHT CONTROL BOX N.T.S. **12**



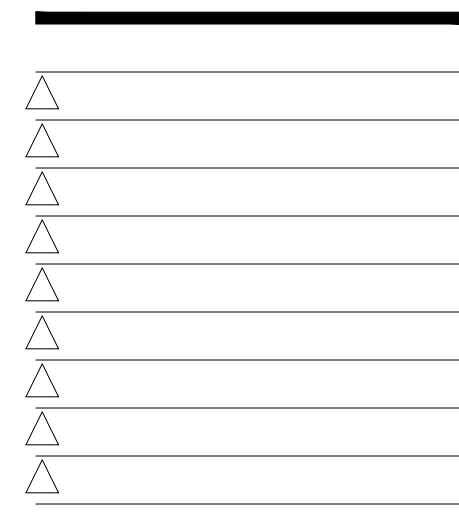
EXTERIOR LIGHTING CONTROL RELAY N.T.S. **4**

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04.05.17



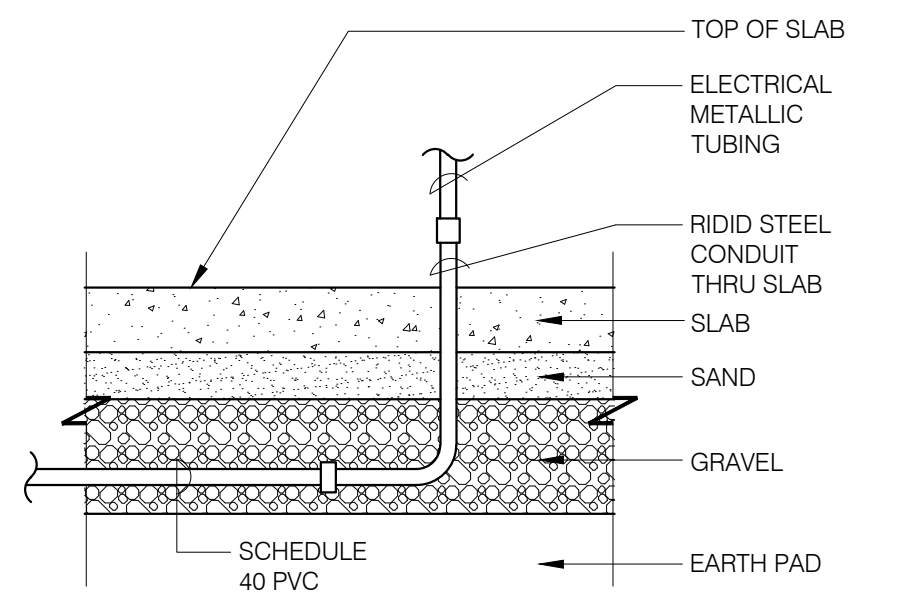
CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



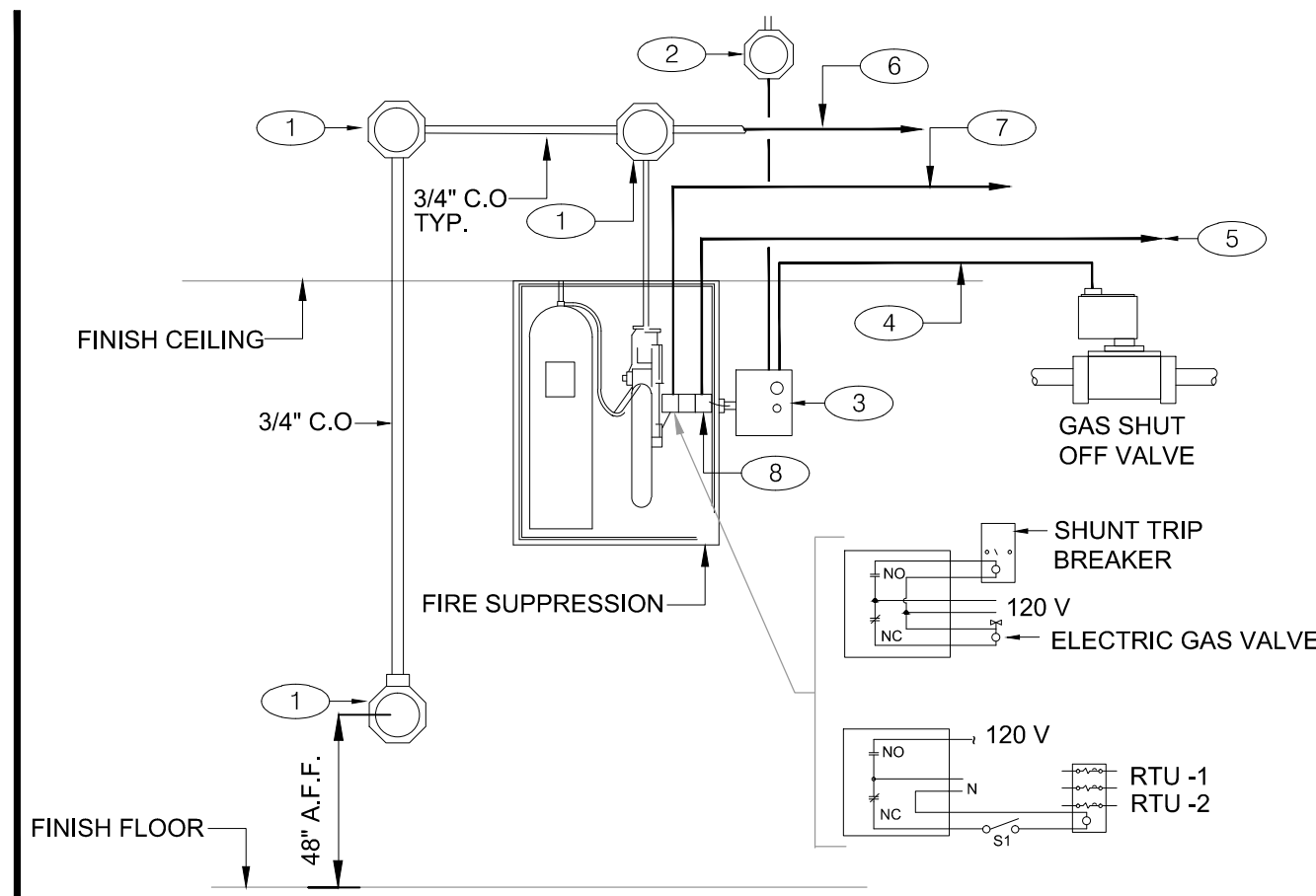
ELECTRICAL DETAILS
E6.0

PERMIT PLOT DATE:



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

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: EXHS. SWITCH 3: SHUNT TRIP BREAKER IN ELE PANEL.

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ENGINEER:
BRIAN EDWARD CHANDLER, PE

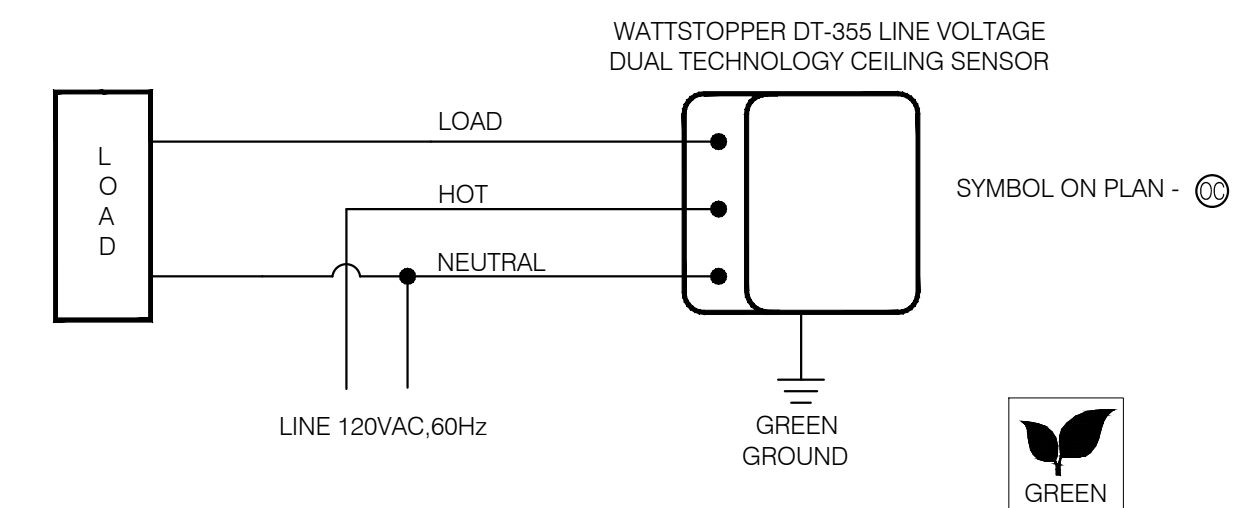
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E-MAIL: bchandler@bchandlerpe.com

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

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

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

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



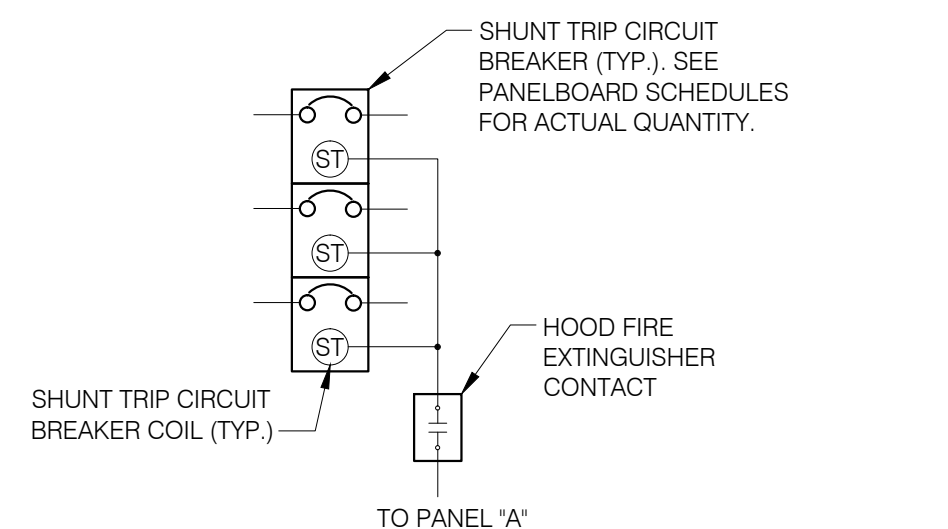
CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. **2**



04.05.17

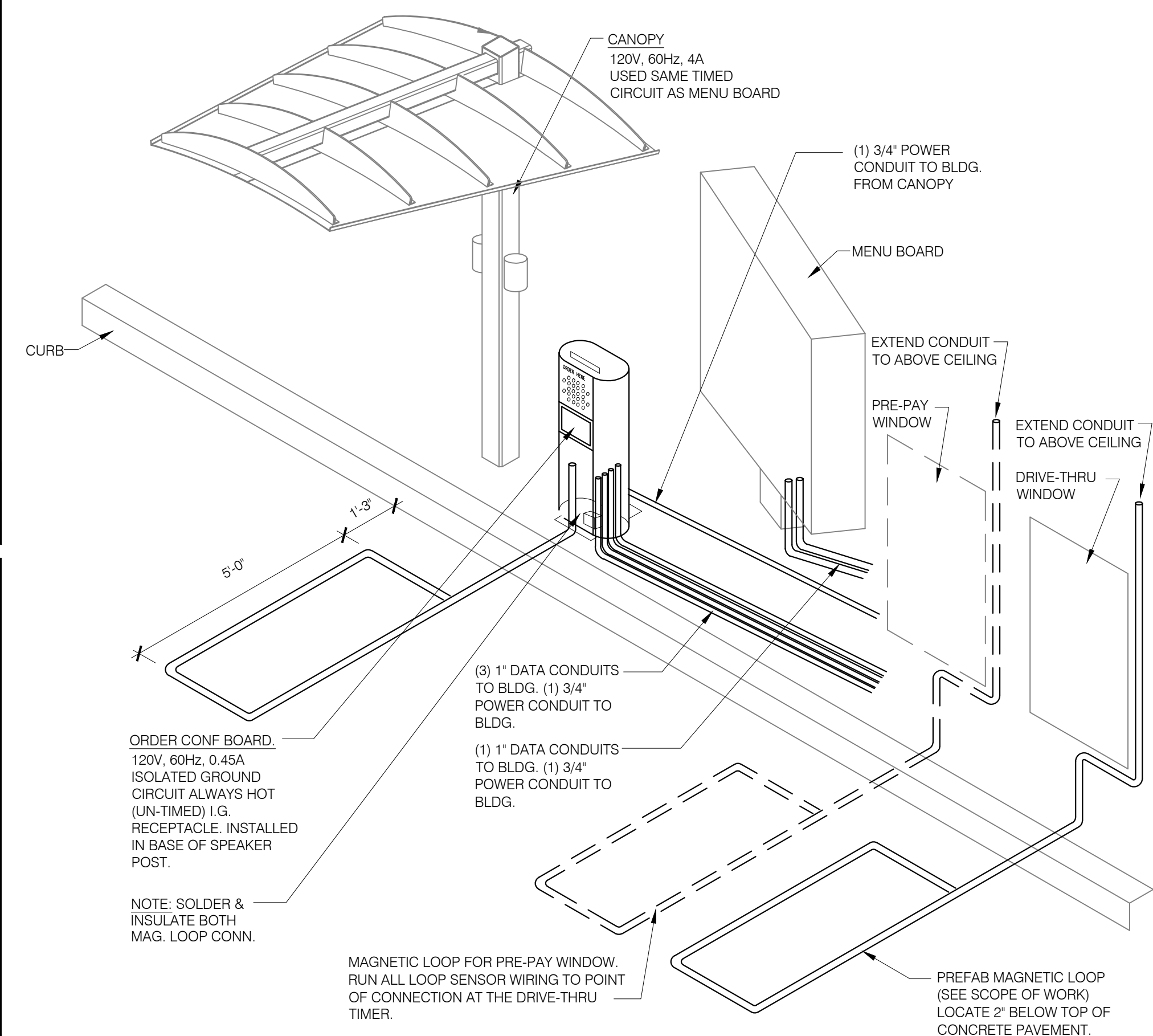
NOT USED N.T.S. **19**

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.

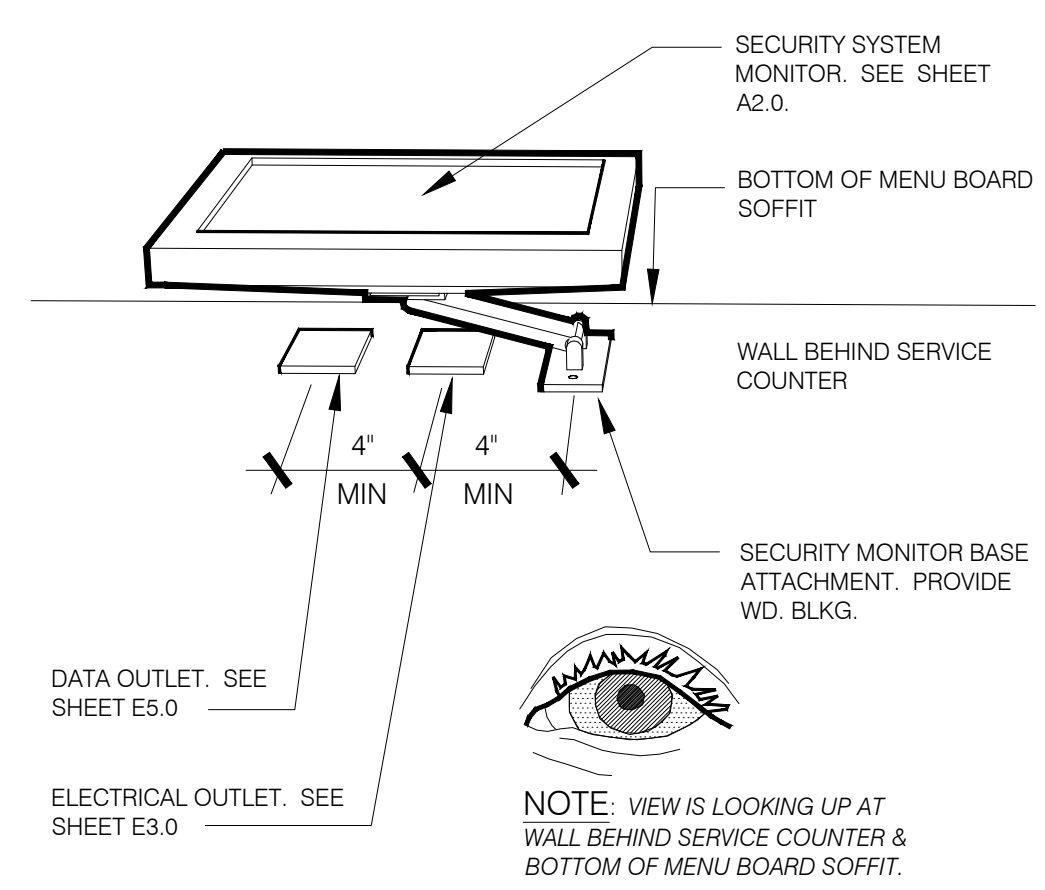
SHUNT TRIP DETAIL N.T.S. **11**



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

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

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



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

- △
- △
- △
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- △
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- △
- △
- △

CONTRACT DATE:
BUILDING TYPE: LIVE MAS - Large 50
PLAN VERSION: 11.12.15 - REV P
SITE NUMBER:
STORE NUMBER: TBD

TACO BELL
TBD Freeport Road
Natrona Heights, PA 15065



ELECTRICAL DETAILS
E7.0

PERMIT PLOT DATE: