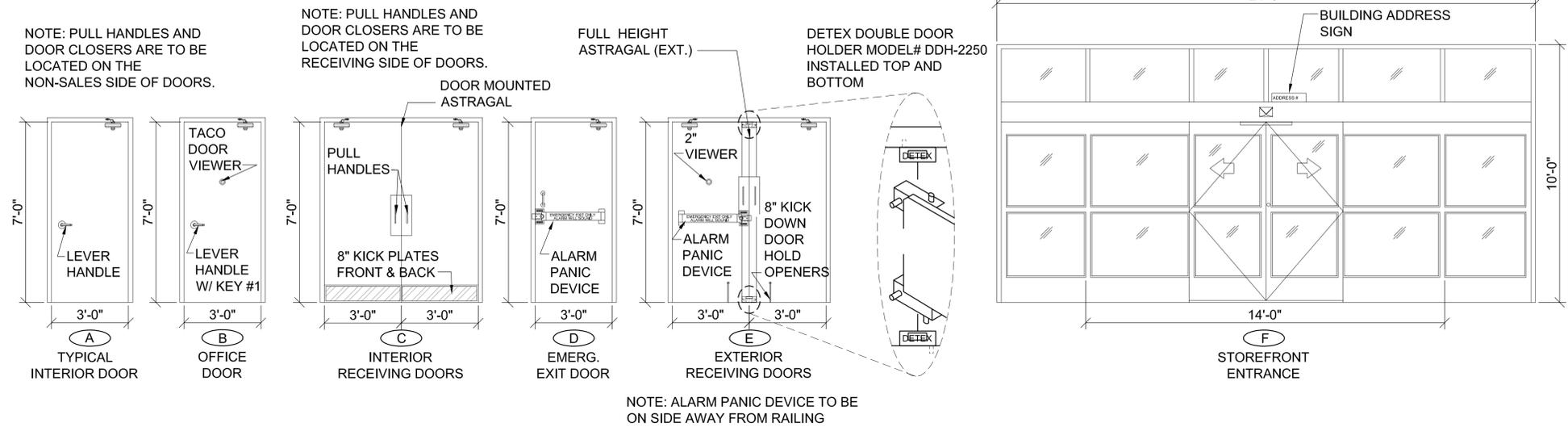
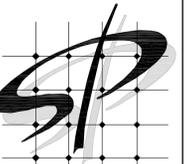


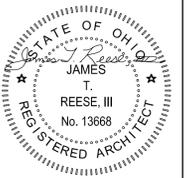
DOOR SCHEDULE									
NO.	Type	SIZE			DETAILS		DOOR HARDWARE	REMARKS	
		W	H	T	HEAD	JAMB			
100	A	3' - 0"	7' - 0"	1 3/4"			(1) STANLEY PASSAGE LOCKSET QCL230-E-626-S4 - NO KEY REQUIRED, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D	SOLID CORE WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).	
101	B	3' - 0"	7' - 0"	1 3/4"			(1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #1, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D, (1) TACO DOOR VIEWER #TA3310PC.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).	
102	D	3' - 0"	7' - 0"	1 3/4"			(1) VON DUPRIN GUARD-X EXIT ALARM LOCK #2670-28, (1) STANLEY DOOR CLOSER QDC311-689, (1) DOOR PULL 8N US28, (1) DOOR SWEEP, WEATHERSTRIPPING, (1) 7015SC8-26D-RIM CYLINDER	HOLLOW CORE METAL DOOR. PAINT EXTERIOR SW7041, VAN DYKE BROWN (SEMI-GLOSS); PAINT INTERIOR SW6991, BLACK MAGIC (SEMI-GLOSS).	
103A	C	6' - 0"	7' - 0"	1 3/4"			(2) SVR EXIT QED316-36"-7FT-689 (1) EXIT TRIM QRT330-E-SC-KD-689 (2) BURNS PULL PLATES #5410-32D-26D-GRIP, (2) BURNS PUSH PLATES #54-US32D, (4) IVES KICK PLATES #8400-S32D-8X34 (2) STANLEY DOOR CLOSERS QDC311-689. DOOR MOUNTED ASTRAGAL, DOORS ARE TO BE LATCHED.	FIRE RATED DOORS & FRAME, 3/4 HOUR RATED DOOR IN A 1 HOUR RATED PARTITION WALL. SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR PAINTED SW6991 BLACK MAGIC (SEMI-GLOSS).	
103B	E	6' - 0"	7' - 0"	1 3/4"			(1) VON DUPRIN GUARD-X EXIT ALARM LOCK #2670-28, (1) VON DUPRIN GUARD-X DOUBLE DOOR STRIKE #2609, (1) DETEX DOUBLE DOOR HOLDER #DDH-2250 TOP & BOTTOM, (2) STANLEY DOOR CLOSERS QDC311-689 (2) BURNS PULL PLATES #5410-32D-26D-GRIP (2) BURNS PUSH PLATES #54-US32D, (1) 2" DOOR SCOPE #DS/1000MB, (2) 8" DOOR HOLDERS #608Z, (1) NATIONAL GUARD HD THRESHOLD #425 HD-6 FT., (2) DOOR SWEEPS, WEATHERSTRIPPING. (1)7015SC8-26D RIM CYLINDER	HOLLOW CORE METAL DOOR. PAINT EXTERIOR SW7041, VAN DYKE BROWN (SEMI-GLOSS); PAINT INTERIOR SW6991, BLACK MAGIC (SEMI-GLOSS).	
104	A	3' - 0"	7' - 0"	1 3/4"			(1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #2, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).	
105	A	3' - 0"	7' - 0"	1 3/4"			(1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #2, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS)	
106	F	6' - 0"	7' - 0"		5/A03	5/A01	BY DOOR MANUFACTURER TO BE RE-KEYED BY DOLLAR GENERAL AREA MANAGER WITH (1) ILCO RIM CYLINDER #7015SC8-26D.	21'-0" BI-PART WITH TRANSOM AND GLASS. BRONZE FINISH. REFER TO COVER SHEET FOR VENDOR INFORMATION.	



1 DOOR ELEVATIONS
A05 SCALE: 1/4"=1'-0"



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#	DATE	REVISION

DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

DOLLAR GENERAL

SHEET TITLE
DOOR SCHEDULE & DETAILS

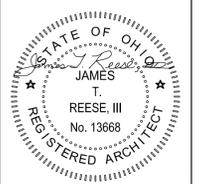
SPI Client 16137 DATE 04-18-16

SHEET NUMBER

A05



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DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

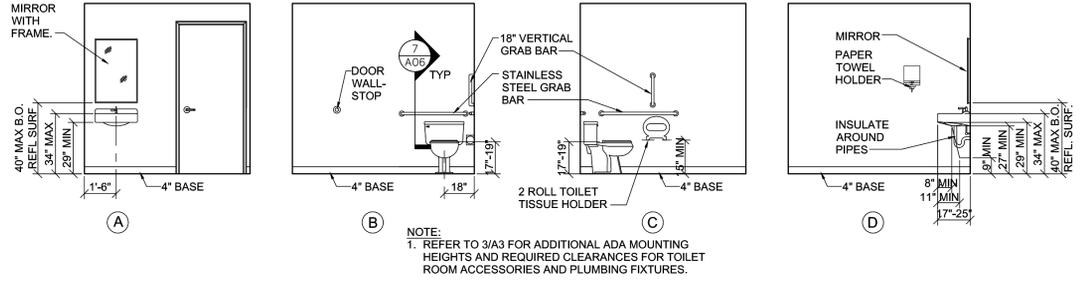
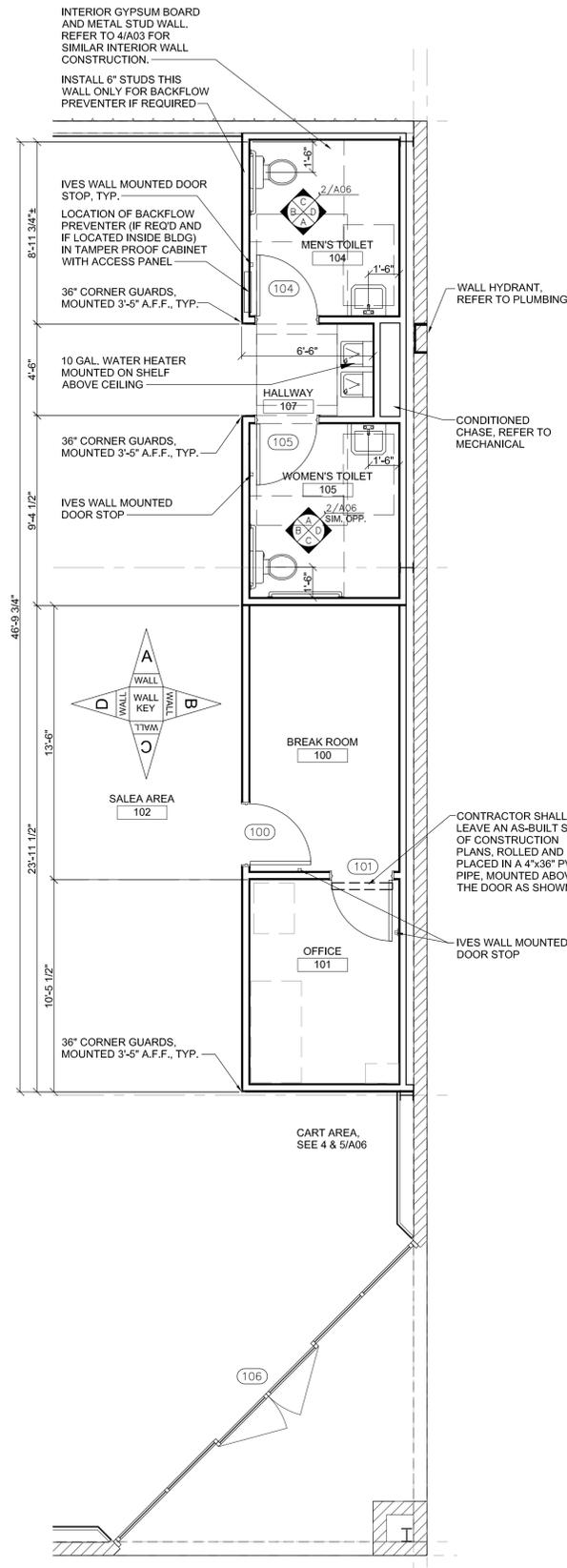
DOLLAR GENERAL

ENLARGED RESTROOMS & DETAILS

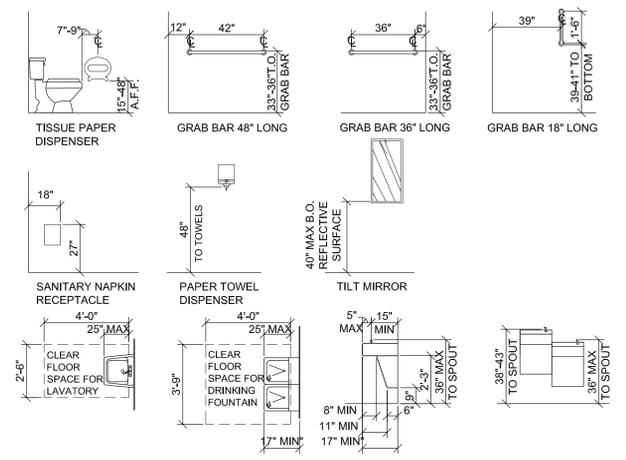
SHEET TITLE

SPI Client	DATE
16137	04-18-16

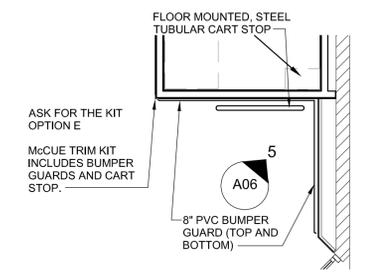
SHEET NUMBER
A06



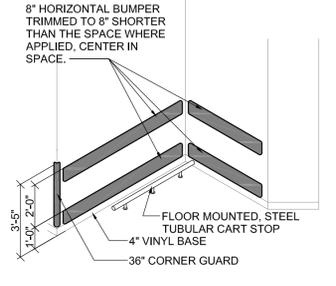
TOILET ROOM ELEVATIONS
SCALE: 1/8"=1'-0"



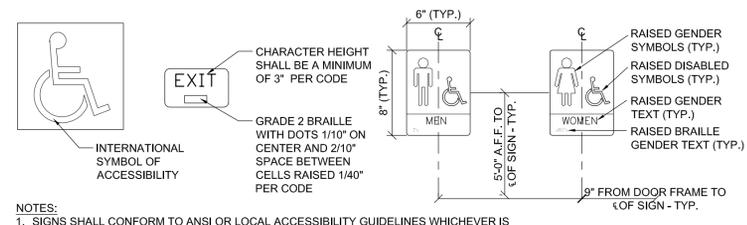
3 ACCESSIBILITY CLEARANCE/HEIGHTS
SCALE: 1/4"=1'-0"



4 CART STOP DETAIL
SCALE: 1/4"=1'-0"

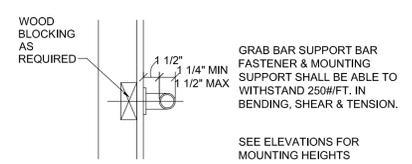


5 CART AREA DETAIL
SCALE: NTS



NOTES:
1. SIGNS SHALL CONFORM TO ANSI OR LOCAL ACCESSIBILITY GUIDELINES WHICHEVER IS MORE STRINGENT.
2. ALL BUILDINGS AND ENTRANCES THAT ARE ACCESSIBLE AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
3. G.C. TO PROVIDE TACTILE "EXIT" SIGNS AT ALL GRADE LEVEL EXIT DOORS PER CODE.
4. SIGNS TO BE INSTALLED ON THE LATCH SIDE OF THE DOOR, OR IF NO SPACE ON THE NEAREST WALL PREFERABLY ON THE RIGHT. SIGNAGE SHALL HAVE NON GLARE FINISH W/ A CONTRASTING BACKGROUND. SEE A1 FOR LOCATION OF SIGNAGE.

6 ACCESSIBLE SIGNAGE
SCALE: 1 1/2"=1'-0"



7 GRAB BAR DETAIL
SCALE: 1 1/2"=1'-0"

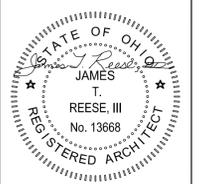
TOILET ROOM ACCESSORIES	
B2740	BOBRICK DOUBLE TOILET TISSUE DISPENSER
B253	BOBRICK PAPER TOWEL DISPENSER
A-24x36	GAMCO 24" x 36" ANGLE FRAME MIRROR
150Sx36	GAMCO 1 1/2" X 36" GRAB BAR
150Sx42	GAMCO 1 1/2" X 42" GRAB BAR
150Sx18	GAMCO 1 1/2" X 18" GRAB BAR
MS-1	GAMCO MOP HOLDER

TOILET ROOM NOTES:
1. ALL TOILET ROOM ACCESSORIES PROVIDED BY CONTRACTOR.
2. ALL STORES MUST INCLUDE 2 REST ROOMS, EVEN WHEN NOT REQUIRED BY CODE. ANY VARIATION MUST BE APPROVED, IN WRITING, BY THE DOLLAR GENERAL CONSTRUCTION DEPARTMENT.
3. RESTROOMS MUST COMPLY WITH ALL BUILDING (FEDERAL, STATE, AND LOCAL) FIRE, AND HEALTH DEPARTMENT CODES. ADA REQUIREMENTS MUST ALSO BE MET IN BOTH RESTROOMS. SOME CODES MAY REQUIRE ADDITIONAL TOILETS OR LAVATORIES. PLEASE CONTACT DOLLAR GENERAL CONSTRUCTION DEPARTMENT FOR ALTERNATE PLANS FOR THESE SITUATIONS.
4. PROVIDE AND INSTALL 2x3" MIRROR (OR LARGER IF REQUIRED BY CODE).
5. CONTRACTOR TO INSTALL SOAP DISPENSERS, TOILET PAPER HOLDERS, DOOR CLOSERS, EXHAUST FANS, AND ALL BASS SECURITY PARTS IN BOTH RESTROOMS. PROVIDE SOLID BLOCKING IN WALL FOR SUPPORT.

1 RESTROOM/OFFICE/BREAKROOM PLAN
SCALE: 1/4"=1'-0"



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DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

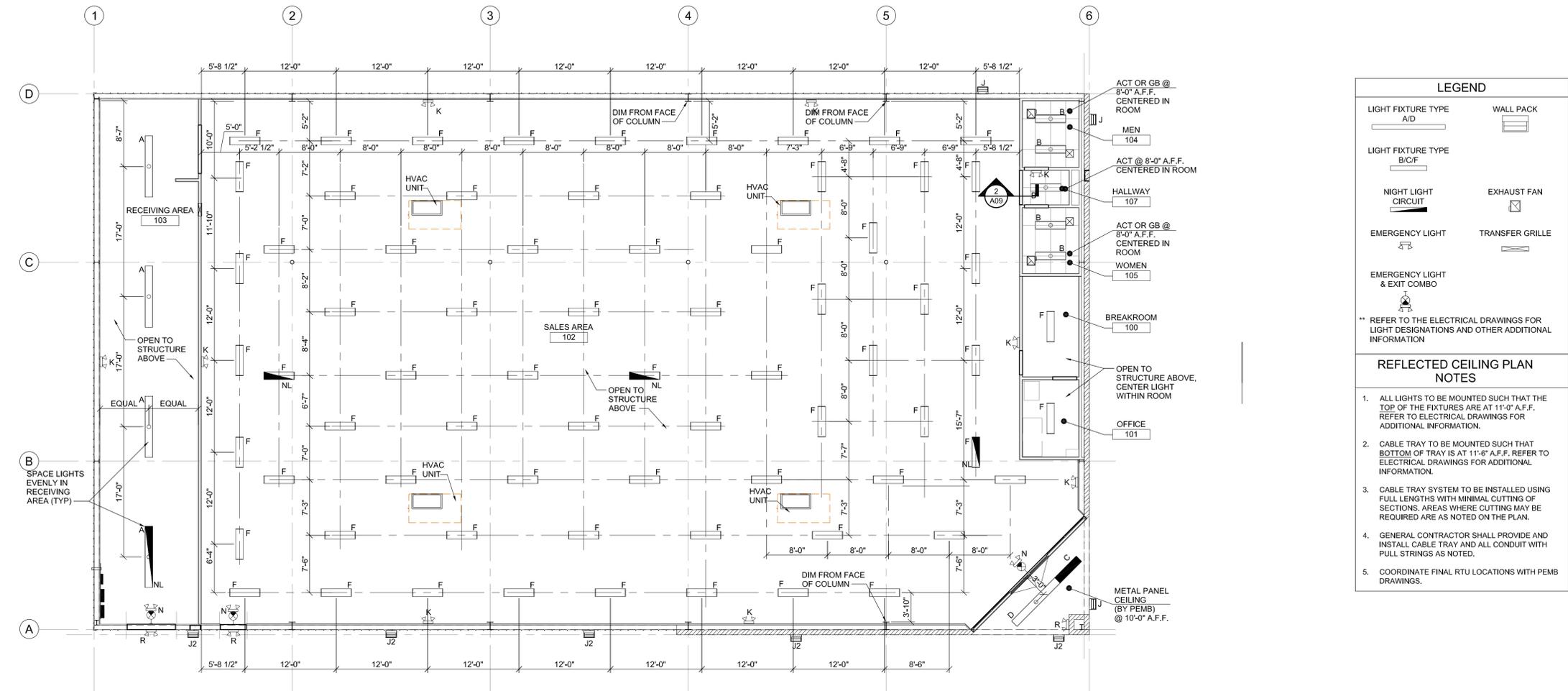
DOLLAR GENERAL

REFLECTED CEILING PLAN

SHEET TITLE

SPI Client	DATE
16137	04-18-16

SHEET NUMBER
A07



1 REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"
PLAN NORTH

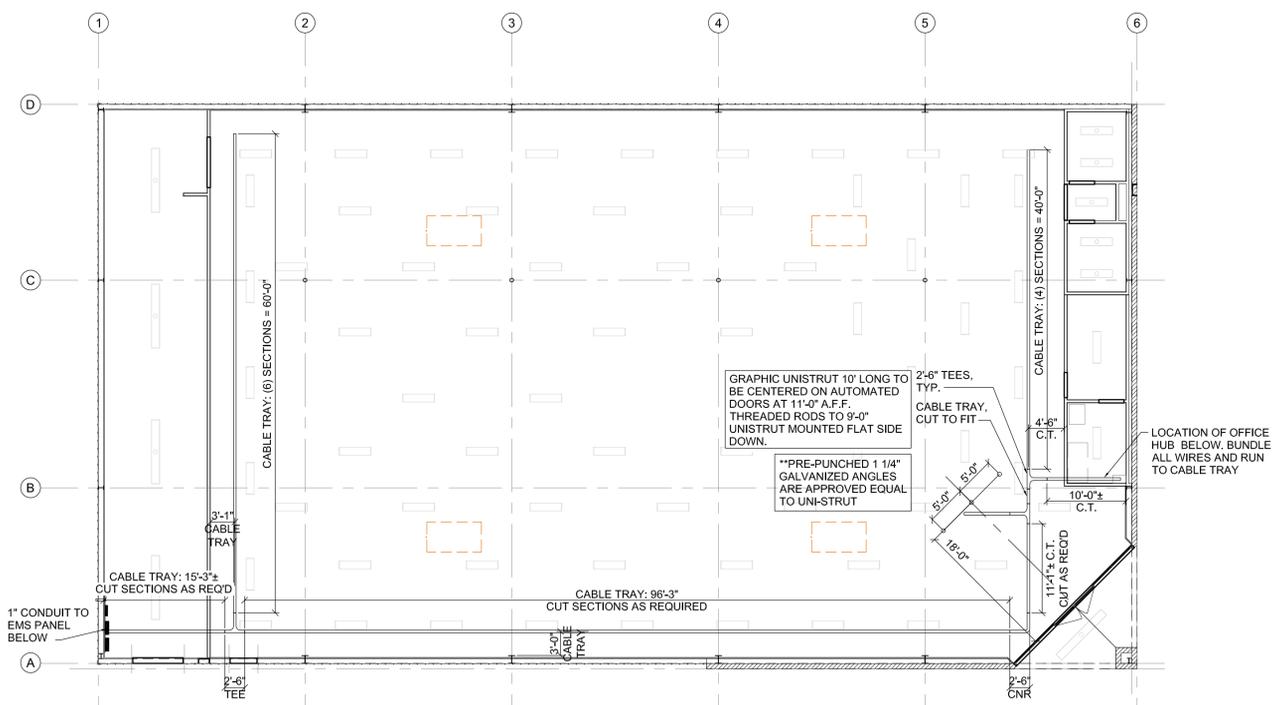
LEGEND

LIGHT FIXTURE TYPE A/D	WALL PACK
LIGHT FIXTURE TYPE B/C/F	EXHAUST FAN
NIGHT LIGHT CIRCUIT	TRANSFER GRILLE
EMERGENCY LIGHT	EMERGENCY LIGHT & EXIT COMBO

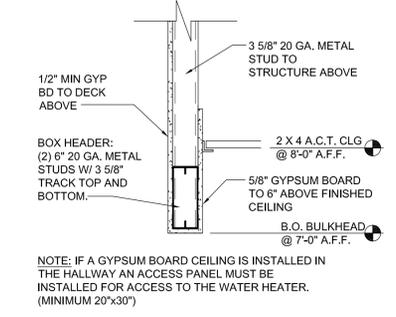
** REFER TO THE ELECTRICAL DRAWINGS FOR LIGHT DESIGNATIONS AND OTHER ADDITIONAL INFORMATION

REFLECTED CEILING PLAN NOTES

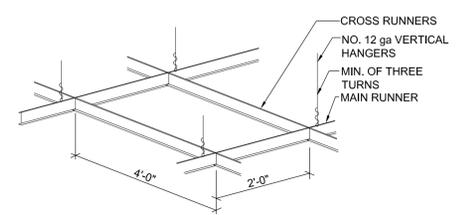
- ALL LIGHTS TO BE MOUNTED SUCH THAT THE TOP OF THE FIXTURES ARE AT 11'-0" A.F.F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CABLE TRAY TO BE MOUNTED SUCH THAT BOTTOM OF TRAY IS AT 11'-6" A.F.F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CABLE TRAY SYSTEM TO BE INSTALLED USING FULL LENGTHS WITH MINIMAL CUTTING OF SECTIONS. AREAS WHERE CUTTING MAY BE REQUIRED ARE AS NOTED ON THE PLAN.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CABLE TRAY AND ALL CONDUIT WITH PULL STRINGS AS NOTED.
- COORDINATE FINAL RTU LOCATIONS WITH PEMB DRAWINGS.



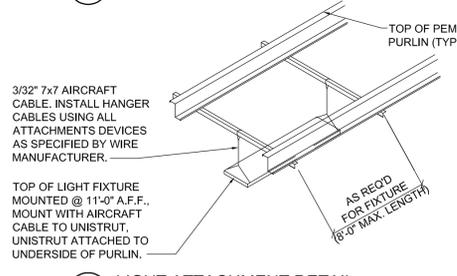
2 CABLE TRAY PLAN
SCALE: 3/32"=1'-0"



2 SECTION AT SOFFIT
SCALE: 1"=1'-0"



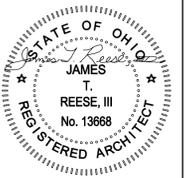
4 CEILING DETAIL
SCALE: 1"=1'-0"



3 LIGHT ATTACHMENT DETAIL
SCALE: 1 1/2"=1'-0"



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DOLLAR GENERAL #17434
 499 LONG STREET
 ASHVILLE, OHIO 43103

DOLLAR GENERAL

FIXTURE PLAN

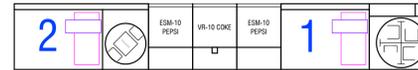
SHEET TITLE

SPI Client	DATE
16137	04-18-16

SHEET NUMBER

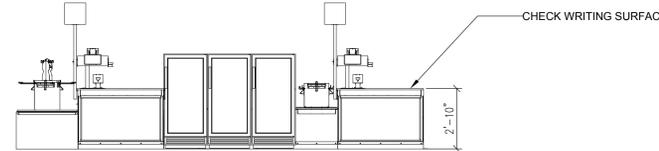
F01

B
F01



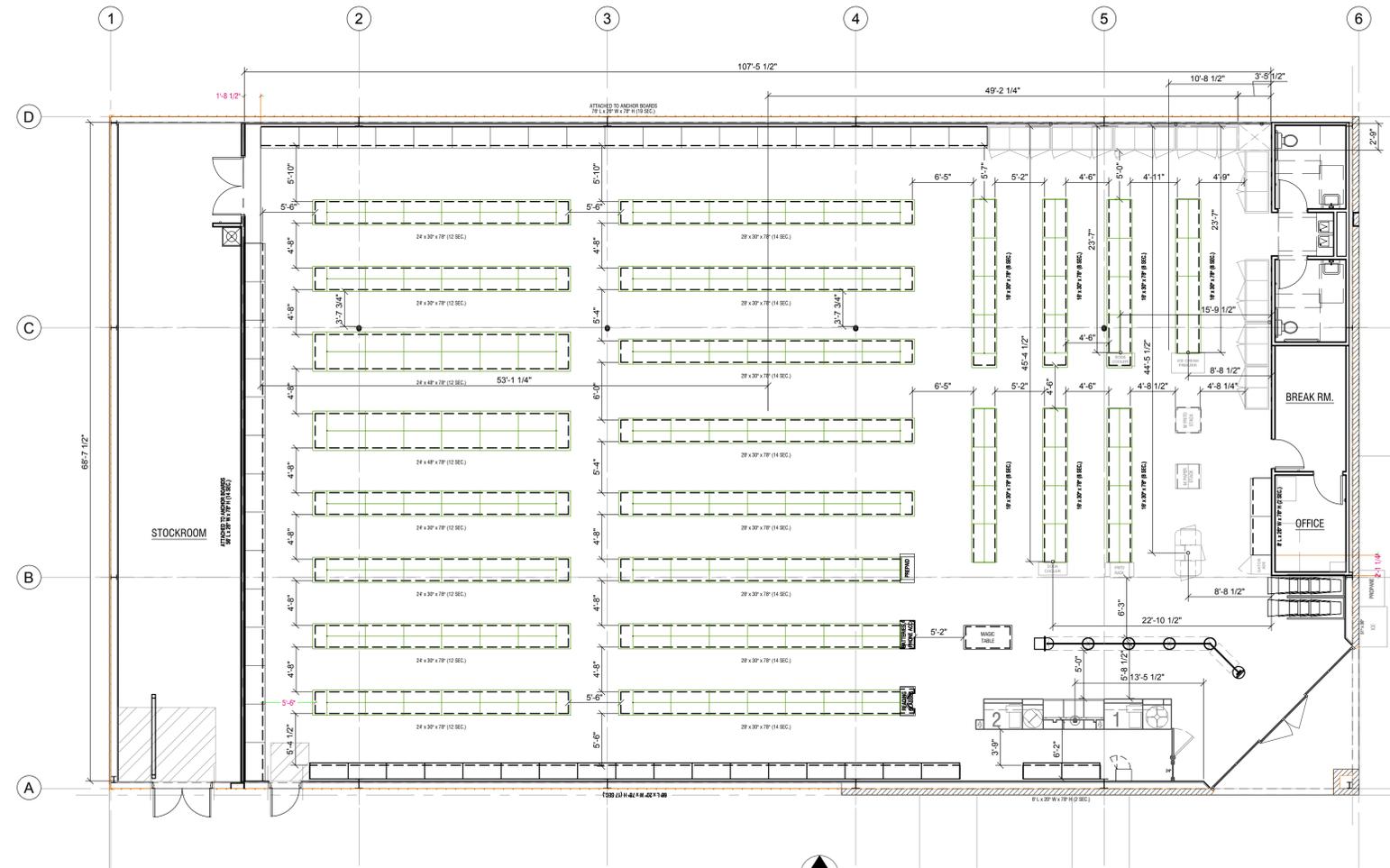
NOTE: FRONT CHECKOUT COUNTER TO BE PROVIDED BY DOLLAR GENERAL AND INSTALLED AT DOLLAR GENERAL'S DIRECTION. COUNTERS SHALL INCLUDE A PORTION OF AT LEAST 36" IN LENGTH WHICH IS NO MORE THAN 34" ABOVE THE FINISH FLOOR. COUNTERS SHALL BE ON AN ACCESSIBLE ROUTE.

A - SERVICE COUNTER PLAN



B - ELEVATION

2 SERVICE COUNTER DETAILS
 F01 SCALE: 1/4"=1'-0"



1 FIXTURE PLAN
 F01 SCALE: 1/8"=1'-0"





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#	DATE	REVISION

DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

DOLLAR GENERAL
SHEET TITLE
ROOF PLAN & PEMB CRITERIA

SPI Client	DATE
16137	04-18-16

SHEET NUMBER
GS1

	PRE-ENGINEERED METAL BUILDING VENDOR	VP BUILDINGS ATTN: DAVID ENGLISH (901) 748-6103	STAR BUILDING SYSTEMS ATTN: JEFF HORN (866) 664-8899	NUCOR BUILDING SYSTEMS ATTN: BOB BARRY (315) 622-4440 (280) 837-7891	BIG BEE STEEL BUILDINGS, INC. ATTN: KEVIN BUSLER (800) 633-3378	CHIEF BUILDINGS ATTN: ERIN SULLIVAN (308) 385-4628 (308) 390-8199
EXTERIOR FINISHES						
EXTERIOR FINISHES ARE TO MATCH OR BE EQUAL TO VP METAL BUILDING SYSTEMS FINISH SELECTION.						
GUTTERS	•					
DOWN SPOUTS						
SIDE AND REAR METAL WALL PANELS & TRIM, RECEIVING & EMERGENCY EXIT DOORS (EXTERIOR OF DOORS TO BE PAINTED, REFER TO DOOR SCHEDULE)	•					
ARCHITECTURAL BLOCK AT BUILDING FACADE SHOULD BE PRE-FINISHED OR PAINTED (2 COATS-LOXON XP MASONRY COATING A24N400 SERIES) TO MATCH THE METAL WALL PANELS	•					
FLAT METAL SOFFIT AT STOREFRONT VESTIBULE AREA						
BUILDING PARAPET WALL AND CANOPY						
STOREFRONT SYSTEM						
STANDING SEAM METAL ROOF PANELS						
LINER PANELS (INTERIOR SALES AND RECEIVING FLOOR)						

NOTE:
1. REFER TO SHEET T-1 FOR ADDITIONAL INFORMATION ON RECOMMENDED NATIONAL ACCOUNT VENDORS.
2. NATIONAL ACCOUNT AND CONTACT INFORMATION SUBJECT TO CHANGE.

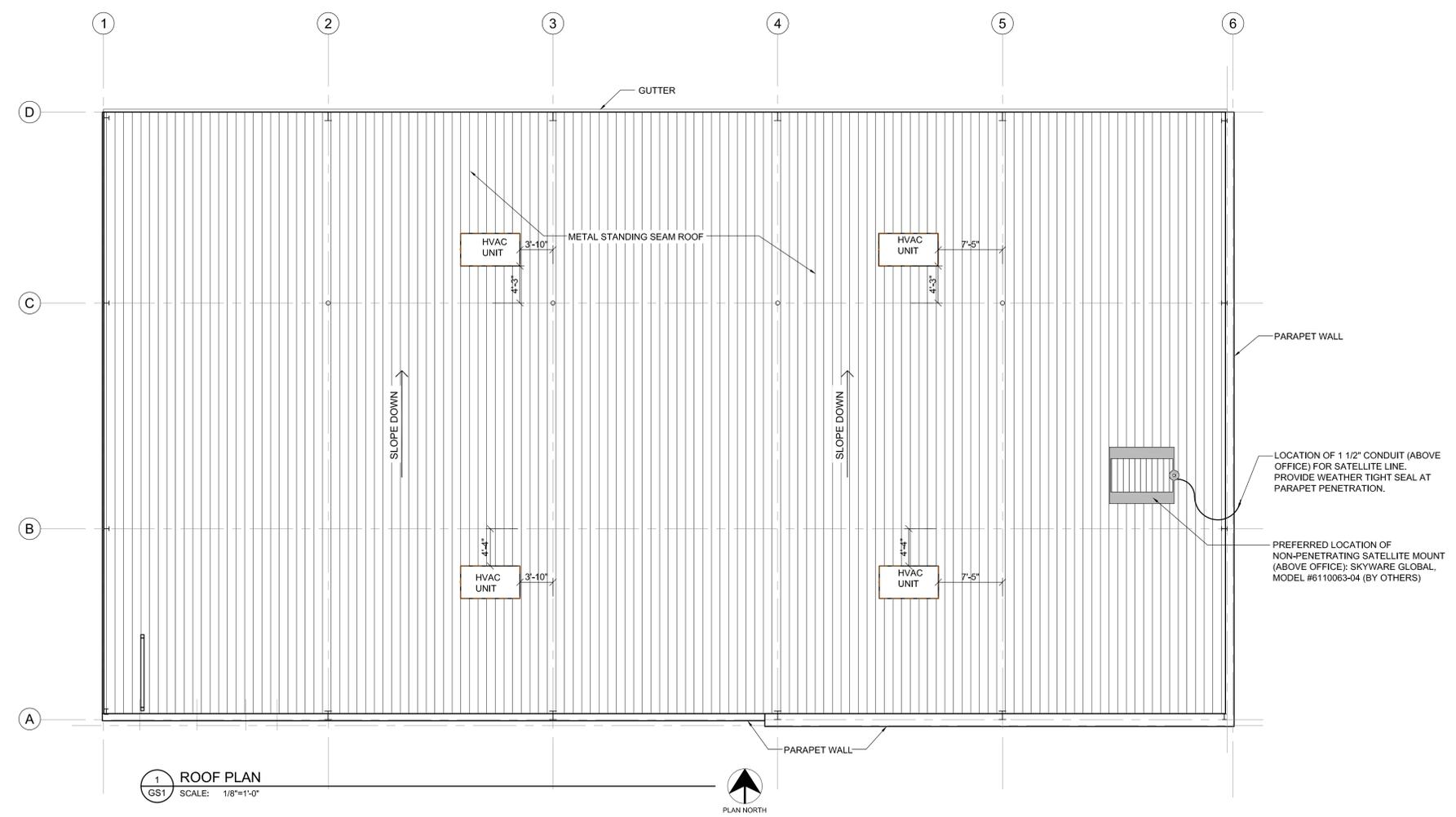
PRE-ENGINEERED METAL BUILDING NOTES

METAL BUILDING NOTES:

1. THE PRE-MANUFACTURED METAL BUILDING STRUCTURE, CONCRETE FOUNDATION, AND INTERIOR CONCRETE SLAB SHALL BE DESIGNED, DETAILED, FABRICATED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. THE MOST STRINGENT REQUIREMENTS APPLY WHERE INCONSISTENCIES OCCUR BETWEEN THE APPLICABLE STANDARDS. IN THE ABSENCE OF OTHER CRITERIA, LOADINGS SHALL CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
2. THE SCOPE OF THE PRE-MANUFACTURED METAL BUILDING STRUCTURE SHALL INCLUDE THE DESIGN, ENGINEERING, FABRICATION, DELIVERY, AND ERECTION OF THE COMPLETE STRUCTURAL STEEL FRAMING AND EXTERIOR SKIN PACKAGE. THE METAL BUILDING MANUFACTURER SHALL BE CERTIFIED BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) METAL BUILDING CERTIFICATION PROGRAM.
3. THE FRONT FASCIA SHALL HAVE (3) 12" PURLINS (MOUNTED VERTICALLY SO THAT THE 12" FACE IS AGAINST THE BUILDING METAL SIDING. THESE PURLINS SHALL BE CENTERED OVER THE ENTRANCE AND SPACED 96" APART TO PROVIDE ADEQUATE SUPPORT FOR SIGNAGE WHICH MAY WEIGH UP TO 1,400 LBS.

ROOF NOTES:

1. METAL ROOF MUST BE A STRUCTURAL STANDING SEAM METAL ROOF WITH MECHANICALLY ROLLED SEAMS. SEAMS TO BE A MINIMUM 1 1/2" HIGH. ALL FASTENERS TO BE CONCEALED.
2. ROOF PANELS TO BE A MINIMUM 24 GAUGE.
3. METAL ROOF SYSTEM TO BE EQUAL TO VP BUILDING SLR II ROOF.
4. CONDENSATE FROM HVAC UNITS TO BE PIPED TO GUTTERS.

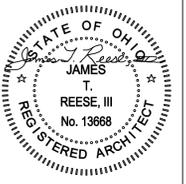


1 ROOF PLAN
SCALE: 1/8"=1'-0"





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#	DATE	REVISION

DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

DOLLAR GENERAL
CONCRETE SUMMARY

SPI Client	DATE
16137	04-18-16

SHEET NUMBER
GS2

1) GENERAL.

A. The building shall be designed such that there is maintained an absolute minimum of 68'-1" from face-of-column to face-of-column on the sales floor.

2) FOUNDATIONS

A. The concrete foundations shall be designed, detailed and constructed to provide for the safe, serviceable support of the pre-manufactured steel building structure. The foundations shall conform to the latest editions of all applicable standards of the American Concrete Institute (ACI), the Building Code(s) enforced by the Authority Having Jurisdiction and these requirements.

B. The soils supporting the foundation shall be prepared and compacted in accordance with a geotechnical testing based investigation and site specific recommendations provided by a Professional Engineer registered to practice in the State where the project is located.

C. The slab on grade shall not be utilized to resist horizontal thrust forces at the base of the pre-engineered building frames. The beams below and separate from the building slab may be utilized.

D. The bearing materials shall be free of organic, expansive or corrosive material, and shall support the foundation in accordance with the following twenty five year criteria:

- Maximum differential movement due to either settlement or heave shall not exceed 1/2" over a distance of 50 feet.
- Maximum total movement due to either settlement or heave shall not exceed 1".

E. The foundations shall be of sufficient depth to bear below local frost depth where exposed, attain minimum design bearing pressure, achieve sufficient protection from settlement or heave, and where adjacent to existing construction, avoid application of lateral earth pressure to adjacent construction.

3) SLAB ON GRADE

A. The subgrade for the slab on grade shall be compacted and prepared in accordance with a geotechnical testing based investigation and site specific recommendations provided by a Professional Engineer registered to practice in the State where the project is located. The subgrade shall provide a minimum of 100 pounds per cubic inch (pci) modulus of sub-grade reaction and shall be proof-rolled to ensure that there are no pumping or soft zones greater than 1/2" (ACI 302, "Guide for Concrete Floor Slab Construction").

B. The slab on grade shall conform to the latest editions of all applicable standards of the American Concrete Institute (ACI), the Building Code(s) enforced by the Authority Having Jurisdiction and these requirements. The slab on grade shall be a minimum of 4" thick and reinforced with a minimum 6" x 6" x W1.4 x W1.4 welded wire fabric located in the center of the slab.

C. Except at doors at the perimeter of the facility, the slab on grade shall be isolated from the building columns and any perimeter grade beams or walls. The slab on grade shall receive a hard steel trowel finish. Saw-cut contraction joints a minimum of 1/4 the depth of the slab shall be provided in both principal directions across the entire floor slab, spaced no further than 13 feet on center and providing panels with an aspect ratio no greater than 1.5:1. Refer to Control Joint Spacing Plan on Sheet S3. The slab shall be protected from the effects of heat or wind as necessary to avoid any curling of the slab segments.

4) CONCRETE SALES FLOOR PRE-INSTALLATION CONFERENCE:

A. At least 30 days prior to the start of the concrete slab construction, the general contractor shall conduct a meeting to review the proposed concrete mix designs and to discuss the required methods and procedures to achieve the requirements of this specification. The general contractor shall send a pre-concrete conference agenda to all attendees **20** days prior to the scheduled date of the conference.

B. The general contractor shall require responsible representatives of every party concerned with the concrete work to attend the conference, including, but not limited to, the following:
General contractor's superintendent

- Laboratory responsible for concrete mixes, field quality control and floor tolerance testing
- Ready-mix concrete producer
- Concrete contractor
- Chemical admixture manufacturer
- Liquid densifier and sealer manufacturer
- Liquid densifier and sealer applicator
- Joint filling manufacturer
- Joint filling applicator

C. Minutes of the meeting shall be recorded, typed and printed by the general contractor and distributed to all concerned parties, including the owner's representative, the architect and the structural engineer, within five days of the meeting.

D. The minutes shall include a statement by the concrete supplier stating that the proposed concrete mix design will produce the concrete quality required by these specifications.

E. The minutes shall include a statement by the concrete contractor that the proposed concrete mix design will provide appropriate workability and setting times, to ensure that the concrete contractor can achieve the requirements of this specification.

5) CONCRETE CONTRACTOR QUALIFICATION:

A. The concrete contractor shall include in their bid package to the general contractor, sufficient data, including a minimum of three similar and successful projects that clearly indicates the concrete contractor's ability to successfully perform the work and to achieve the interior sales floor slab tolerances required in this specification. The concrete contractor's team shall have participated in the majority of these projects, and that team shall remain the same through the duration of this project.

6) CONCRETE MATERIALS:

A. Portland Cement: ASTM C 150, Type 1. Use one brand of cement throughout the project.

B. Coarse and fine aggregates: ASTM C 33. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1 1/2") or 8% - 22% for smaller top size aggregates (1" or 3/4") retained on each size sieve below the top size and above the no. 100 sieve. Slabs on grade shall have a maximum aggregate size of 1 1/2" footings and piers 1" and beams 3/4".

C. Water: complying with ASTM C 94.

D. Air-entraining admixtures: Shall conform to ASTM C-260. Admixture manufacturer shall provide written certification that the air-entraining admixture is compatible with other required admixtures. All exterior slabs shall be air-entrained (4% - 6%). Acceptable products: Euclid Chemical AEA-92 or Air 40; BASF Micro Air; W.R. Grace Daravair 1000 or Daracem-1.

1. Note: Air-entraining admixture shall not be used on interior concrete.

E. Water-reducing admixture: Shall conform to ASTM C494, Type A and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Eucon series; BASF Pozzolith series; W.R. Grace WRDA or Daracem series.

F. Water-reducing, retarding admixture: Shall conform to ASTM C494, Type D, and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Retarder 75; BASF Pozzolith series; W.R. Grace Daratard 17.

G. High range water-reducing admixture (superplasticizer): Shall conform to ASTM C494, Type F or Type G and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Eucon 37; BASF Rheobuild 1000; W.R. Grace daracem-100.

H. Water-reducing, non-corrosive accelerating admixture: Shall conform to ASTM C494, Type C or E, and contain no more chloride ions than are present in municipal drinking water. The admixture manufacturer must have long-term, non-corrosive test data from an independent testing laboratory (of at least a year's duration) using an acceptable accelerated corrosion test method such as that using electrical potential measures. Acceptable products: Euclid Chemical Accelguard 80/90 or Accelguard NCA; BASF NC534 or Pozzatec 20; W.R. Grace Polarsat.

I. Prohibited admixtures:
1. Calcium chloride or admixtures containing more than 0.05% chloride ions are not permitted.
2. Flyash is not permitted.

7) EVAPORATION RETARDER:

A. Waterborne, monomolecular film forming, manufactured for application to fresh concrete.

- Acceptable products:
a. "Eucohar" by Euclid Chemical - Phil Brandt 877-438-3826

8) CURING MATERIALS:

A. Exterior curing: All exterior concrete slabs shall be cured using a liquid membrane-forming curing compound. The liquid membrane-forming curing compound shall meet the requirements of ASTM C1315 with a maximum V.O.C. Content of 700 g/l.

- Acceptable products:
a. "Super Rez Seal" or "Super Aqua Cure" by Euclid Chemical - Phil Brandt 877-438- 3826

B. Interior curing (building not enclosed/sales floor slab is placed first): The interior sales floor slab shall be cured using a reduced odor, dissipating liquid membrane-forming curing compound that is formulated from hydrocarbon resins. The dissipating liquid membrane-forming curing compound shall meet the requirements of ASTM C309 and V.O.C. contents in accordance to EPA 40 CFR, part 59, table 1, subpart D for concrete curing compounds with a maximum V.O.C. content of 350g/l.

- Acceptable product:
a. "Kurex DR VOX" by Euclid Chemical - Phil Brandt 877-438-3826

C. Interior curing (building enclosed/sales floor slab is placed last): The interior sales floor slab shall be cured using a removable, low odor, fast drying liquid membrane-forming curing compound. The removable liquid membrane-forming curing compound shall meet the requirements of ASTM C309, AASHTO M 148, USDA compliancy and V.O.C. contents in accordance to EPA 40 CFR, part 59, Table 1, subpart D for concrete curing compounds with a maximum V.O.C. Content of 350g/l.

- Acceptable product:
a. "Kurex RC" by Euclid Chemical - Phil Brandt 877-438-3826

9) LIQUID DENSIFIER / SEALER FOR INTERIOR SALES FLOOR:

A. Liquid densifier / sealer shall be a sodium silicate / silicate blend. Manufacturer of liquid densifier and sealer must be contacted prior to bidding for pricing and application requirements.

- Acceptable liquid densifier and sealer manufacturer:
a. "Euco Diamond Hard" by Euclid Chemical - Phil Brandt 877-438-3826
b. "RetroPlate 99" by RetroPlate Systems - Curtis Turnbull 888-942-3144

B. Approval: All general contractors bidding or negotiating a Dollar General project shall contact Euclid Chemical or RetroPlate to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RetroPlate. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer and polishing process. Within ten days after completion of work, the approved applicator shall furnish Euclid Chemical or RetroPlate a copy of the invoice, as well as square footage and coverage rate data confirming that the specified application rates were achieved.

C. Project service: at least 10 days prior to application of liquid densifier and sealer, the general contractor shall notify the Euclid Chemical or RetroPlate representative for jobsite service. The representative will be on the project site during the first application of liquid densifier / sealer and will follow the project through to completion.

10) SEMI-RIGID POLYUREA JOINT FILLER:

A. UV Resistant, semi-rigid polyurea joint filler shall be a two (2) component, 100% solids compound, with minimum Shore "A" hardness of 80. Joint filler color shall match the adjacent concrete surface.

- Acceptable semi-rigid polyurea joint filler manufacturer:
a. "Euco QWIKJoint UV" by Euclid Chemical - Phil Brandt 877-438-3826

B. Non-UV Resistant, semi-rigid polyurea joint filler shall be a two (2) component, 100% solids compound, with a minimum Shore "A" hardness of 75. Joint filler color shall match the adjacent concrete surface.

- Acceptable semi-rigid polyurea joint filler:
a. "CreteFill Pro 75" by CureCrete - Curtis Turnbull 888-942-3144

C. Approval: All general contractors bidding or negotiating a Dollar General project shall contact the Euclid Chemical company or Retroplate to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RetroPlate. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer and polishing process.

11) CONCRETE MIXES:

A. Comply with ACI 301 requirements for concrete mixtures.

B. Concrete mix design(s) shall be proportioned according to ACI 301, for normal-weight concrete determined by either laboratory trial mix or field test data as follows:

1. Compressive strength (28 days): 4000psi (27.6mpa), with a maximum water/cement ratio of .53, unless otherwise indicated on the drawings. Concrete materials included in the mix design shall be the same materials provided to the project, and shall be prepared by an independent testing laboratory approved by the owner. If sufficient backup data is not available, the laboratory mix design shall exceed the desired job strength of concrete by 1,200psi. Four copies of the mix design shall be submitted to the owner before concrete work begins.

2. Slump: Concrete containing mid or high range water reducer shall have a maximum slump of 5 1/2" for the interior sales floor slab and 8" (200 mm) for other areas. All other concrete shall not exceed 4 inches (100 mm) unless otherwise indicated on the drawings.

3. Adjustment to concrete mixes: Mix design adjustments may be requested by General Contractor when characteristics of materials, job conditions, weather, test results or other circumstances warrant; at no additional cost to owner and as accepted by owner. Laboratory test data for revised mix design and strength results must be submitted to and accepted by owner before using in work. Both the concrete testing and inspection agency and the concrete contractor shall satisfy themselves that the concrete mix design will produce a concrete which will meet the specifications for this project. In addition, the General Contractor and Concrete Contractor shall verify that the workability, finishability and setting times are appropriate for slab installations. Placement shall be made directly from concrete trucks by chute. If pumping of the concrete is contemplated for any special locations, the proportions established above shall not be altered to suit the capabilities of the pumping equipment. For concrete containing macro-synthetic fibers, adjustments required to provide required placement conditions may warrant use of additional water reducer. No additional water is permitted into concrete mixture after addition of macro-synthetic fibers.

4 Interior concrete sales floor: Concrete shall be designed to meet 4000 psi compressive strength @ 28 days and exhibit ≤0.04% shrinkage @ 28 days. The mix shall contain approximately 12 cubic feet of #467 aggregate (1-1/2" top size), the specified water reducing admixture and achieve a w/cm ratio of 0.53 (max.). Concrete shall be non air-entrained and in no case shall the concrete be designed for less than 4000 psi (27.6mpa) @ 28 days. Proposed mix design shall be similar to the following

Prototype mix:	
Materials	Prototype mix
Cement	517-564lbs.
Fly ash/slag	Prohibited
Coarse aggregate	12 cubic feet +/- .50 (#467 stone)
Fine aggregate	7 cubic feet +/- (adjust as necessary)
Water content	250 - 300lbs.
Air content (Entrapped Air Only)	3.0% (max.)
Water Reducer (type a/f)	3oz.-10oz./100wt +/- (mid range preferred)
W/cm	0.53 (max.)
Initial Slump (water)	3"
Final Slump (with water reducer)	5.5" (max)
Shrinkage	≤0.04% @ 28 days

12) FLOOR SLAB FINISH AND TOLERANCES:

A. General: Unless otherwise noted by owner, concrete sales floor slab shall be cast in one continuous placement. Concrete shall be placed, screeded, re-straightened, and finished as necessary to meet the FF and FL tolerance requirements. Do not wet concrete surfaces during finishing operations.

B. Trowel finish (sales floor): Apply a hard trowel finish to surfaces as follows:

1. Laser screeds, vibratory screeds, highway straightedges and wood bull floats shall be used to initiate screeding and floating process to form a uniform and open-textured surface plane before excess moisture or bleed water appears on the surface. A back-up laser screed is required during concrete placement of the interior sales floor slab. Remove excess water before starting floating operations. Do not further disturb surfaces before starting finishing operations

2. Highway straightedge operations shall continue before, during and after troweling operation, until specified floor tolerances are achieved.

3. Trowel finish with gas operated troweling machine with adjustable blades on all finishing equipment. Use steel-reinforced blades on ride-on power trowels. Towel the surface sufficiently to produce a smooth, tight, abrasion resistant surface. Care shall be taken not to overwork or burn the surface. Use 6" wide finish style steel-reinforced blades on final passes. Finishing blades shall be in new condition and completely clean of any deleterious materials. Interior machine trowel finish shall be achieved within a 3" tolerance of all walls, columns and partitions.

4. Protection: Care shall be taken to protect the interior sales floor. Entrances shall include clean floor mats to prevent mud stains and all equipment on the floor shall be dispersed to prevent spills. Cutting oils, etc. are not allowed on the sales floor slab at any time during the construction process.

C. Comply with ACI 117, "Specifications For Tolerances For Concrete Construction and Materials." Interior sales floor slab shall meet the requirements of a type 5, single course, hard steel-troweled finish as described in ACI 302.

1. All perimeter areas and edges of the concrete floor shall exhibit the same finish as the sales floor, including but not limited to, hallways, offices, restrooms, etc.
2. The general contractor is responsible for contracting with the testing laboratory for all costs associated with floor tolerance testing. A copy of the final floor tolerance report shall be provided by the general contractor to the owner within 24 hours of receiving the report from the testing laboratory. The sales floor slab shall conform to the following flatness and levelness criteria:

Flatness Overall Floor Flatness rating of at least 35
Levelness Overall Floor Levelness rating of at least 30
Tolerance Band for Entire Floor +/- 0.375 inch

D. Failure to achieve the above criteria shall be cause for replacement of the offending segments or grinding/polishing at no cost to the Owner or Tenant.

E. Trowel finish (other than sales floor): Apply a hard trowel finish to surfaces indicated and to floor and slab surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin film-finish coating system.

F. Heavy broom finish: As noted on drawings.

13) CONCRETE PROTECTION AND CURING:

A. General: Normalize concrete set time and protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 305 for hot-weather protection and ACI 306 for cold-weather protection during curing. During concrete placement operations, ventilate and exhaust all fumes from construction equipment and heaters to avoid potential early concrete carbonation. Apply the specified curing compound as quickly as possible for maximum protection. For concrete placement during hot, dry and windy conditions, concrete contractor shall use evaporation retarding as per manufacturer's instructions to maintain a moist condition and to minimize plastic drying shrinkage cracking at the surface of the freshly placed concrete.

1. Curing - Exterior Slabs:
All exterior concrete slabs shall be cured using the specified liquid membrane-forming curing compound. Per manufacturer's instructions, application shall be applied evenly and uniformly as soon as possible after final finishing. Surface shall be clean and damp, but not wet and can no longer be marred by walking workmen. All applications shall be made by an approved applicator of the manufacturer, and when surface and air temperature is above 50°F, Apply "Super Rez Seal" or "Super Aqua Cure" at an application rate of 400bs/gallon. Begin curing immediately after finishing concrete, but not before free water has disappeared from concrete surface.

2. Curing - Interior slabs:
The interior sales floor slab shall be cured using the specified dissipating or removable liquid membrane-forming curing compound. Per manufacturer's instructions, application shall be applied evenly and uniformly as soon as possible after final finishing. Surface shall be damp, but not wet and can no longer be marred by walking workmen. All applications shall be made by an approved applicator of the manufacturer, and when surface and air temperature is above 50°F, Apply "Kurex DR VOX" (slab first) or "Kurex RC" (slab last) at an application rate of 350bs/gallon. Begin curing immediately after finishing concrete, but not before free water has disappeared from concrete surface.

14) CONTRACTION JOINTS IN SLABS-ON-GRADE:

A. Form weakened-plane contraction joints, sectioning concrete into areas as indicated on drawings. Contraction joints shall be sawn to a depth equal to at least one-fourth of the concrete thickness, as follows:

B. Sawed joints: All saw cutting shall be accomplished with a "Soft-Cut" saw and vacuum system equipped with a new blade and plate, as soon as the slab will support the weight of the saw and operator. Note: Concrete dust shall be removed completely and immediately. If chalk lines are used for sawcuts, all chalk remaining on the slab shall be removed completely and immediately after sawing.

15) INTERIOR SALES FLOOR SLAB PROTECTION:

A. Take the following measures to protect the interior sales floor slab:
1. Wrap or "diaper" all motorized and hydraulic equipment to prevent fluid leaks
2. Provide non-marking tires on rubber tired vehicles or equip rubber tires with tire boots made of nylon fabric
3. Provide mats at all entrances to prevent mud stains

16) TIMING OF JOINT FILLER, LIQUID DENSIFIER AND POLISHING PROCESS:

A. Do not commence installation of semi-rigid polyurea joint filler, liquid densifier and sealer or polishing processes until the building is completely enclosed, permanent power and lighting is operating and the building is thermostatically controlled. Installation of these materials shall commence approximately two weeks prior to "fixture date."

17) INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER:

A. All General Contractors bidding or negotiating a Dollar General project shall contact Euclid Chemical or RetroPlate to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RetroPlate. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer.

B. Joint filler installation: Comply with recommendations in ACI 302 for use of joint filler as applicable to materials, applications, and conditions indicated.

C. Surface cleaning of joints: Clean out joints immediately before installing joint filler. Remove foreign material from joint substrates with adhesion of joint filler by brushing, grinding, blasting, mechanical cleaning, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint filler. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air. Also remove all laitance and form-release agents from concrete surface. Clean nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues could interfere with adhesion of joint sealants. All surfaces to be filled shall be clean and dry.

D. For proper load transfer, joints must be filled full depth, but in no case should the joint filler be any less than 1" deep in the joint.

E. Mixing: Joint filler is a two part product requiring machine mixing and placing. Premix part b separately before using. Follow pump manufacturer's equipment instructions.

F. Placement: Joint filler shall be filled full depth. No backer rod is allowed. Joints should be overfilled and shaved even with the surrounding joint edge giving the floor joints a flat, smooth appearance. Shaving of excess joint filler can be approximately 30 minutes after placement, and up to 24 hours later, depending on jobsite conditions such as concrete and ambient temperatures.

G. Joint filler separation: The approved joint filling applicator shall include in their bid a cost per linear foot to make one return trip to refill joints if joint filler sidewall separation or splitting exceeds 1/16," or if surface profile is concave, chattered or if voids occur. This shall take place one week prior to grand opening.

18) INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION:

A. Interior sales floor slab: Thoroughly clean the interior sales floor slab prior to initial application of liquid densifier and sealer by completely removing the specified dissipating or removable curing compound from the floor surface. The following floor stripper or removal solution shall be applied to the floor to thoroughly strip, clean and remove all curing compound residue:

1. If Kurex DR VOX (slab first) was used to cure the slab, use "Euco Clean & Strip" by Euclid Chemical, applied at the proper water to floor stripper ratio and coverage rate that will completely remove the Kurex DR VOX. Contact: Phil Brandt (877) 438-3826

2. If Kurex RC (slab last) was used to cure the slab, use "Kurex OFF" by Euclid Chemical, applied at the proper water to floor cleaner ratio and coverage rate that will completely remove the Kurex RC. Contact: Phil Brandt (877) 438-3826

19) POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER:

A. All Applicators must be certified by Euclid Chemical or Retro-Plate.

B. The revised process can be used in both "Wet" and "Dry" applications.

C. This process assumes a quality concrete finish (meets and/or exceeds the specified floor tolerances) by the floor finisher. Failure to achieve the above criteria shall be cause for replacement of the offending segments or grinding/polishing at no cost to the Owner or Tenant.

D. Only the Sales Floor will receive the full 8 step process outlined below under item K.

E. All other areas will only receive steps 1 through 3, no additional work is necessary. The yellow safety striping will remain.

F. The Black painted border will not be required in areas behind fixtures, etc...it will only be installed at the main entry door, office doors, egress doors and doorways into the receiving area and transitions that can be seen by the customers.

G. Steps 2 & 4 are combo steps using different grits of resin bond diamonds on each pass.

H. This is a "Resin" only grind that does not tear away as much of the surface area. The Resin grind will remove a minimal top layer of the concrete surface and should greatly reduce the amount of Waste Product created when compared to the old Metal grind process.

I. If a Cure-N-Seal product is required at the time of slab placement only Water Based Dissipating Sealers are allowed. NO Acrylic Cure-N-Seals are allowed.

J. Prior to application, inspect interior sales floor slab to ensure that slab is clean and free of dust, grease, oils, or other contaminants that might prohibit the proper application and penetration of the liquid densifier and sealer.

K. Process Steps
1. Cut, clean out, prep and fill the concrete floor joints with the Euclid QWIKjoint UV polyurea joint filler.

2. Grind concrete floor with a combo set of 40/50 grit resin bond diamonds.

3. Grind concrete floor with a combo set of 60 100 grit resin bond diamonds.

4. Thoroughly clean the concrete floor and apply Euclid Diamond Hard liquid densifier and sealer at 225 square feet per gallon.

5. Polish concrete floor with a combo set of SASE Triton 100 grit black resin diamonds, SASE Triton 200 grit blue resin diamonds or HTC EZ MR black series (100 Grit Diamonds) and HTC EZ MR blue series (200 Grit Diamonds).

6. Polish concrete floor with SASE Triton 400 grit red resin diamonds or HTC EZ SR red series (400 grit diamonds).

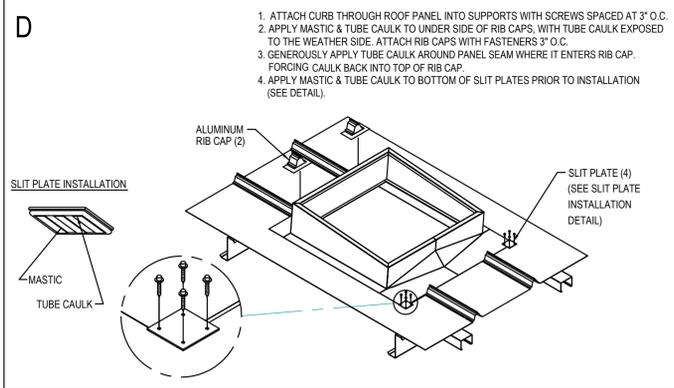
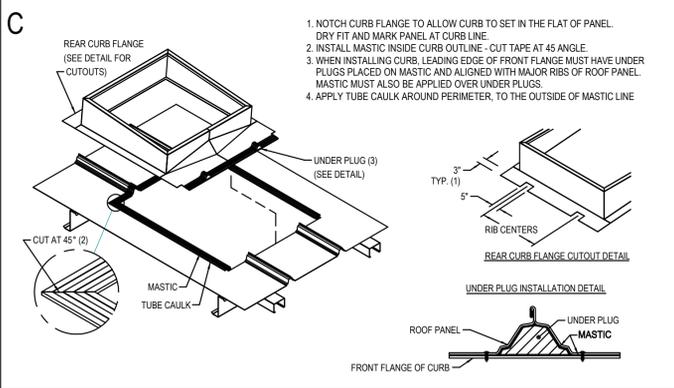
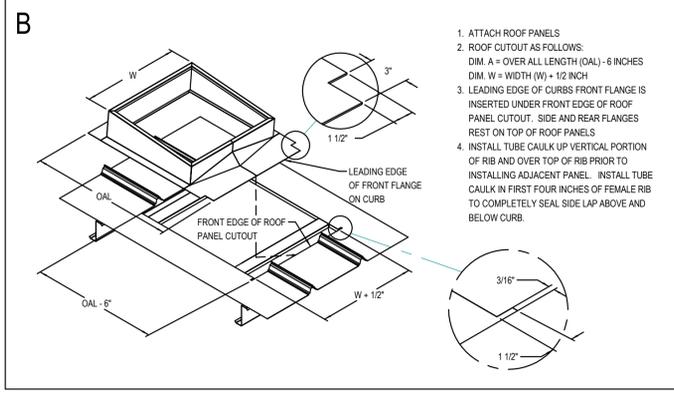
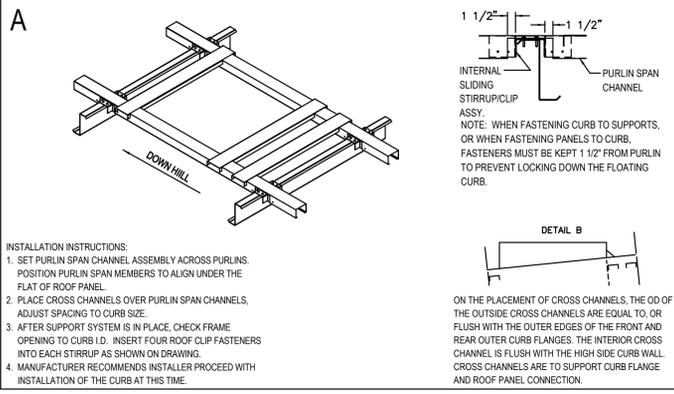
7. Thoroughly clean concrete floor and then apply Euclid Diamond Hard liquid densifier and sealer at 700 square feet per gallon (spiff coat). Or ("RetroPlate 99 liquid densifier at 700 square feet per gallon as a spiff coat").

8. Burnish / Polish concrete floor with SASE Sure Shine white 800 grit diamond impregnated pads or HTC White Twister pads (800 grit diamond impregnated pads).

9. Burnish / Polish concrete floor with 1500 Grit Diamond Impregnated twister pads (H.T.C. Yellow TWISTERS or equivalent)

L. All edges must be polished to match concrete floor with coinciding SASE 5" resin Polishing pads or HTC EZ Grind polishing 5" diamond tools.

M. Polish results: Perform polishing process to attain an overall gloss reading of ≥35 specified overall gloss value (SOGV) as measured using a Horiba IG-320, and a specified minimum gloss reading of ≥30 minimum local gloss value (MGLV). A minimum of 75 readings shall be taken throughout the interior sales floor. The approved applicator shall take four gloss measurement readings at 90° from each other, and then averaged for one reading at each location. The overall measurement shall be reported to Dollar General within 24 hours of the polishing process. Gloss shall be considered as a quantitative value that expresses the degree of reflection when light hits the concrete floor surface. Gloss measurements will be taken independent of ambient lighting and will be taken within a sealed measurement window located beneath the test unit.

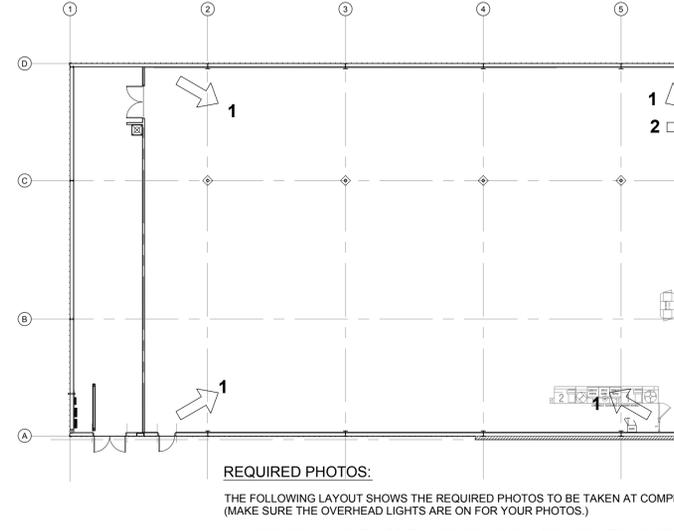
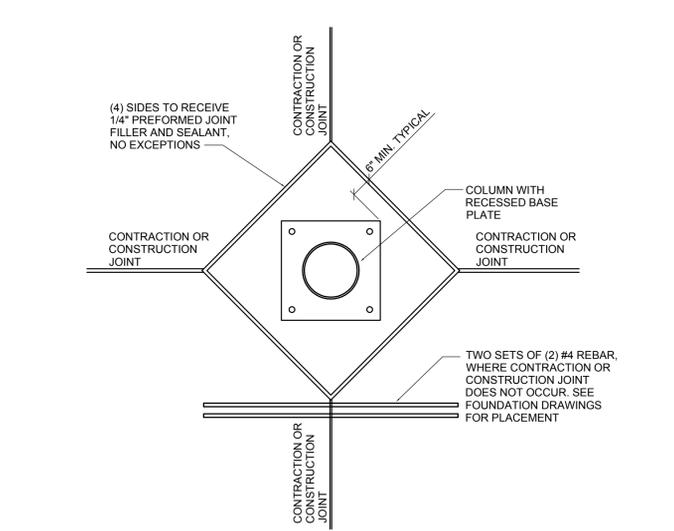


CURB INSTALLATION INSTRUCTIONS
TRAPEZOIDAL STANDING SEAM PANEL - UNDER / OVER
 FOLLOW MANUFACTURER'S SPECIFICATIONS

REQUIRED NATIONAL ACCOUNT ROOF CURB DG VENDORS:

ROOF CURB SYSTEMS	GREG SMYTH	800-683-5848	GSMYTH@ROOFCURB.COM
CURBS PLUS INC.	ALAN THRAILKILL	888-639-2872	ALAN.THRAILKILL@CURBS-PLUS.COM
KCC INTERNATIONAL INC.	GREG CONRAD	800-382-2872	GCONRAD@KCCURBS.COM

3 TYPICAL ROOF CURB UNIT
 GS3 SCALE: NTS



4 COLUMN BASE DETAIL
 GS3 SCALE: NTS

1 PHOTO KEY PLAN
 GS3 SCALE: 1/16\"/>

CONCRETE ANALYSIS

Based on Standard Deviation Analysis Please check one
 Trial Mix Test Data

DESIGN CHARACTERISTICS

Density _____ pcf
 Strength _____ psi (28 day)
 Air _____ % specified

If trial mixes are used the Mix Design is proportioned to achieve $f_{cr} = f_c + 1200$ psi (1400 psi for strength higher than 5000 psi at 28 days)

MATERIALS	Type/ Source	Specific Gravity	Weight/lb.	Absolute Vol. cu.ft.
Cement				
Coarse Aggregate				
Fine Aggregate				
Water				
Other				
TOTAL				27.0 cu. ft.

* Water/Cement Ratio (lbs. water/lbs. cement) = _____ %

ADMIXTURES

	Manufacturer	Dosage oz/cwt
Air Entraining		
Water Reducing		
Water Reducing, Retarding		
High Range Water Reducing		
Non-Corrosive Accelerating		
Other		

Slump before HRWR _____ inches
 Slump after HRWR _____ inches

Standard Deviation Analysis (from experience records):

# of Test Cylinders Evaluated:	
Standard Deviation:	

$f_{cr} - f_c = 1.34s$ or $f_{cr} = f_c + 2.33s - 500$
 (Refer to ACI 301 for increased deviation factor when less than 30 tests are available)

Slump before HRWR _____ inches
 Slump after HRWR _____ inches

Standard Deviation Analysis (from experience records):

# of Test Cylinders Evaluated:	
Standard Deviation:	

$f_{cr} - f_c = 1.34s$ or $f_{cr} = f_c + 2.33s - 500$
 (Refer to ACI 301 for increased deviation factor when less than 30 tests are available)

LABORATORY TEST DATA

Compressive Strength

Age (days)	Mix #1	Mix #2	Mix #3
7	psi	psi	psi
7	psi	psi	psi
28	psi	psi	psi
28	psi	psi	psi
28 average	psi	psi	psi

REQUIRED ATTACHMENTS

Coarse Aggregate Gradation Report Please Check
 Fine Aggregate Gradation Report
 Concrete Compressive Strength Data or Trial Mixture Test Data
 Admixture Compatibility certification letter

Submitted by:

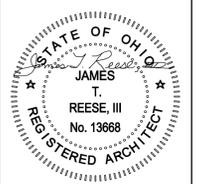
Name: _____
 Address: _____
 Phone #: _____
 Main Plant Location: _____
 Miles from Project: _____
 Secondary Plant Location: _____
 Miles from Project: _____
 Date: _____

2 CONTROL JOINT SPACING PLAN
 GS3 SCALE: 1/16\"/>

2 CONTROL JOINT SPACING PLAN
 GS3 SCALE: 1/16\"/>

SP

STORE PLANNING INC
 3080 SENNA DRIVE
 Matthews, North Carolina 28105
 Phone: 704-841-7288
 Fax: 704-849-6997



#	DATE	REVISION

DOLLAR GENERAL #17434
 499 LONG STREET
 ASHVILLE, OHIO 43103

DOLLAR GENERAL

SHEET TITLE
 CONCRETE & ROOF CURB DETAILS

SPI Client 16137 DATE 04-18-16

SHEET NUMBER
GS3

Statement of Special Inspections

Statement Date: 04/28/2016
 Project Name: Dollar General Store
 Building Permit Number: _____
 Project Address: 499 Long Street
 Owner: Cross Development??
 Architect of Record: James T. Reese, AIA
 Structural Engineer of Record: H. Eugene Hunter
 (Design Professional in Responsible Charge (DPRC))

The following information is being submitted in accordance with the Special Inspection provisions of the Ohio Building Code (OBC 2010). Attached is the Schedule of Special Inspections (SSI) required for this project. This completed form is required to be placed on the drawings for plan review. After permit issuance, a listing of the Special Inspection Firms (SIF) and the Designated Special Inspectors (DSI) for each inspection type will be attached to this form and turned in to the Building Inspector prior to scheduling the Pre-Construction Meeting with The County Code Enforcement. No work is permitted to be performed prior to the Special Inspections Pre-Construction Meeting.

This and all subsequent reports, logs, testing results, and other related SI documents shall be turned in to the building inspectors office within 10 business days of the event documented. Only documents that are prepared by Authorized Special Inspectors (ASI), and signed/sealed by Designated Special Inspectors (DSI) are valid and are permitted to be turned in to the building inspectors office. The DSI will notify the Department upon the discovery of information that would contravert the result of any information reported and update said information within 10 days.

The DSI is responsible for verifying all information on each document prior to signing/sealing and turning it in. The DSI is responsible for verifying each document that is reported to the inspection office is the correct document.

The DSI is responsible for correcting any documents that have incorrect attributes or contain errors, and resubmitting the correct information or document to the inspection office. The DSI is responsible for verifying all ASI's maintain current certifications during the course of the project, as failure to maintain current certifications may result in a voided document. At the conclusion of each individual Special Inspection Item, the DSI will complete a Final Report and turn it in to the DPRC and the Building Inspector. The DPRC is responsible for completing the DPRC Letter at the conclusion of all Special Inspections.

The Special Inspection program outlined herein, does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety. The contractor is solely responsible for construction means, methods, and site safety. Failure to adhere to the SI program as outlined herein, may result in a stop work notice being issued by the Department.

Respectfully,
 The Design Professional in Responsible Charge,
 H. Eugene Hunter, Ohio License #59441

04/28/2016

Signature _____ Date _____

Owner Authorization _____



Schedule of Special Inspection Services

Project Name: Dollar General - Ashville, Ohio 43103
 Date: 04/28/2016 Building Permit Number: xx
 Revised Date: _____ Project Address: 499 Long Street
Ashville, OH 43103

- Instructions for completing the Schedule of Special Inspections Form:
1. Indicate the Inspection Type (IT #) required for this project per IBC Section 1704, OBC 2010, IBC 2009 ALL CASES.
 2. Indicate whether Special Inspections are continuous, periodic or both, by checking the appropriate box.
 3. Insure the scope meets IBC Section 1704 (OBC 2010, IBC 2009) and other applicable standards for each Inspection Type.

The construction divisions which require inspections for this project are as follows:

Statement of Special Inspections

IT-1 Verification of Soils

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input checked="" type="checkbox"/>	Verification of Soils IBC 1704.7 & Chapter 18	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	Site prepared per soils report. Verify soil bearing pressure.
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-2 Excavation and Filling

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input checked="" type="checkbox"/>	Excavation & Filling IBC 1704.7 and 3304	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-3 Piling and Drilled Piers

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Piling and Drilled Piers IBC 1704.9-9, 1802.2.4 and 1807.1	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-4 Modular Retaining Walls

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Modular Retaining Walls IBC 1810 and 1704.13	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-5 Reinforced Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Inspection of reinforcing steel, including prestressing tendons and placements. ACI 308-3S, 71-7, 1903.5, 1907.1, 1907.7, 194.4	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B. AWS D11, ACI 308-3S.2, 1903.5.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. 192.5	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input checked="" type="checkbox"/>	Verify use of required design mix. ACI 308-7, 4, 5, 2.4, 1904, 1905.2, 1905.4, 194.2, 194.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	
<input checked="" type="checkbox"/>	Sampling fresh concrete and performing slump, or content and determining the temperature of fresh concrete at the time of making specimens for strength tests. ASTM C 172, ASTM C 31, ACI 308-5.6.5.B, 192.5, 194.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	
<input type="checkbox"/>	Inspection of concrete and shotcrete placement for proper application techniques. ACI 308-5.9, 5.10, 1905.9, 1905.10, 194.6, 194.7, 194.8	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input checked="" type="checkbox"/>	Inspection for maintenance of specified curing temperature and techniques. ACI 308-5.11, 5.13, 1905.11, 1905.13, 194.9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	
<input type="checkbox"/>	Inspection of prestressed concrete: (A) Application of prestressing forces. (B) Grouting of bonded prestressing tendons in the seismic force-resisting system. ACI 308-18.1A, ACI 308-18.16.4	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Erection of precast concrete members. ACI 308-7, Ch. 16	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Verification of in-situ concrete strength prior to stressing of tendons in post-tensioned concrete, and prior to removal of shores and forms from beams and structural slabs. ACI 308-6.2, 1906.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-6 Post Tension Slab-on-Ground & Post Tension Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	All post tensioned concrete design in construction to be in accordance with ACI 308.99, IBC 1704.4 Item 10	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-7 Precast Concrete Erection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Precast Concrete Erection, IBC Table 1704.4, Item 9	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Precast concrete fabricated in a plant, which is certified. IBC 1704.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-8 Prestressed Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	All prestressed concrete design and construction to be in accordance with ACI 308.99 (IBC)	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-9 Inspection of Pre-Cast Concrete Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Inspection of fabricators to be in accordance with the requirements set forth in the IBC Sec. 1704.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-10 Inspection of Structural Steel Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Welding inspections shall be in compliance with AWS D11 (IBC)	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-11 Structural Masonry

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	As masonry construction begins, the following shall be verified to ensure compliance: (A) Proportions of site prepared mortar. (B) Construction of mortar joints. (C) Location of reinforcement & connectors. Art. 2.4A, Art. 3.3B, Art. 3.4	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	The inspection program shall verify: (A) Size & location of structural elements. (B) Type, size, & location of anchors, including other details of or anchorage of masonry to structural members, frames or other construction. (C) Specified site grade & type of reinforcement. (D) Welding of reinforcing bars. (E) Protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F). Section 2026.9.2.3, Item 2, Sec. 204.3, 204.4, ACI Sec. 18.4, 21.2, Sec. 12, Sec. 21.8.6, 21.8.6.2, ACI 3.3.5, Art. 2.4, 3.4, Art. 1.8	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Prior to grouting, the following shall be verified to ensure compliance: (A) Grout space is clean. (B) Placement of reinforcement and connectors. (C) Proportions of site-prepared grout. (D) Construction of mortar joints. Sec. 12, Art. 3.2, Art. 3.4, Art. 2.6, Art. 3.3B	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Grout placement shall be verified to ensure compliance with code and construction provisions. Art. 3.5	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Preparation of any required group specimens, mortar specimens and/or prisms shall be observed. Sec. 2026.3, 2026.5, Art. 1.4	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. Art. 1.5	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-12 Welding

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Welding inspections shall be in compliance with AWS D11. The base for welding for qualifications shall be AWS D11 (SCIBC)	<input type="checkbox"/>	<input type="checkbox"/>	TBD	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-13 High-Strength Bolting and Steel Frame Inspection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input checked="" type="checkbox"/>	Installation of high strength bolts shall be inspected in accordance with AISC specifications (ASTM A 325 or ASTM A 490) Bolts must be in accordance with AISC ASD or AISC LRFD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	TBD	
<input type="checkbox"/>	Material verification of high-strength bolts, nuts, and washers. (A) Identification markings to conform to ASTM standards specified in the approved construction documents. (B) Manufacturer's certificate of compliance per ASTM AISC ASD Sec. A3.3	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspection of high-strength bolting: Bearing type connections. AISC LRFD Sec. M2.5, 1704.3.3	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspection of high-strength bolting: Slip-critical connections. AISC LRFD Sec. M2.5, 1704.3.3	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Material verification of structural steel: (A) Identification markings to conform to ASTM standards specified in the approved construction documents. (B) Manufacturer's certificate of compliance per ASTM A 6 (ASTM A 572, 1704.4)	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Material verification of weld fillets: (A) Identification markings to conform to AWS specifications in the approved construction documents. (B) Manufacturer's certificate of compliance required. AISC ASD, Sec. A3.6 AISC LRFD, Sec. A3.3	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspection of welding: (A) Complete & partial penetration groove welds. (2) Multi-pass fillet welds. (3) Single pass fillet welds. 7/8 (7.9 mm). (4) Floor & deck welds. (5) Reinforcing steel. (6) Verification of weldability of reinforcing steel other than ASTM A 706. (7) Reinforcing steel-embedding. (8) Reinforcing steel-embedding. (9) Shear reinforcement. (4) Other reinforcing steel. AWS D11, AWS D15, AWS D14, ACI 308-3.5.2, 1704.3.1, 1903.5.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Inspection of steel frame joint details for compliance with approved construction documents: (A) Details such as bracing and stiffening. (B) Member locations. (C) Application of joint details at each connection. 1704.3.2	<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-14 Sprayed Fire Resistant Materials

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Spray-applied fire resistant materials. IBC 1704.11	<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-15 Exterior Insulation and Finish System (EIFS)

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	EIFS. IBC 1704.5	<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-16 Seismic Resistance

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1705	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Architectural components Section 1621.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>	Mechanical & electrical components, Section 1707.7	<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-17 Smoke Control

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Inspection of smoke control. IBC 704.4.2	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-18 Detention Basin

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Detention basin. IBC 1704.13	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

IT-19 Special Cases

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
<input type="checkbox"/>	Epoxy Anchor Bolt Installation	<input type="checkbox"/>	<input type="checkbox"/>	--	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	--	

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 3080 SENNA DRIVE
 Matthews, North Carolina 28105
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 Fax: 704-849-6997



#	DATE	REVISION

DOLLAR GENERAL #17434
 499 LONG STREET
 ASHVILLE, OHIO 43103

HEH Job: 3136

DOLLAR GENERAL
 SHEET TITLE
 STATEMENT OF SPECIAL INSPECTIONS

SPI Client: _____ DATE: _____
 16137 04-28-16

SHEET NUMBER
S0.1

GENERAL CONDITIONS

1. STRUCTURAL DRAWINGS ARE TO BE USED IN CAREFUL COORDINATION AND IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS DURING ALL PHASES OF THE PROJECT INCLUDING BUT NOT LIMITED TO: PREPARATION OF BIDS AND PROPOSALS, AND SEPARATION OF SHOP DRAWINGS AND CONSTRUCTION. THE GENERAL CONTRACTOR IS TO PROVIDE A COMPLETE SET OF CONTRACT DOCUMENTS TO SUBCONTRACTORS TO BE USED DURING ALL PHASES OF THE PROJECT.

2. SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATING AND PLACING MATERIALS. SUBMIT TWO SETS OF BLUE LINES AND ONE SET OF SEPIAS. ALL SHOP DRAWINGS ARE TO BE REVIEWED, CORRECTED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT. ALL NECESSARY FIELD VERIFICATION AND OTHER DIMENSIONS AND INFORMATION REQUESTED ARE TO BE CLEARLY MARKED ON THE SHOP DRAWINGS BY THE GENERAL CONTRACTOR. ALL DRAWINGS ARE TO INDICATE CLEARLY THAT THE DRAWINGS HAVE BEEN REVIEWED, CORRECTED AND APPROVED BY THE GENERAL CONTRACTOR. DRAWINGS FAILING TO MEET THIS REQUIREMENT WILL BE RETURNED TO THE CONTRACTOR WITHOUT ACTION BY H. EUGENE HUNTER, P.E.

3. ALL DETAILS AND SECTIONS ARE CONSIDERED TYPICAL AND ARE TO BE USED BY THE CONTRACTOR TO DEVELOP COMPLETE DETAILS OF CONSTRUCTION FOR EACH PHASE OF THE PROJECT. ALL DETAILS OF CONSTRUCTION ARE TO BE REVIEWED PRIOR TO FABRICATING AND PLACING MATERIALS. THE GENERAL CONTRACTOR IS TO COORDINATE STRUCTURAL DRAWINGS WITH ALL PHASES OF CONSTRUCTION.

4. DO NOT SCALE PLANS, DETAILS, AND SECTIONS. IF THERE IS ANY QUESTION ABOUT DETAILS OR DIMENSIONS CONTACT THE ARCHITECT FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.

5. DESIGN, DETAILING, AND IMPLEMENTATION OF ALL SHORING AND BRACING REQUIRED FOR THE PROJECT DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

6. GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DETAILS IN THE FIELD BEFORE FABRICATING MATERIALS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL EXISTING CONDITIONS AND THOSE ASSUMED IN THE PREPARATION OF DRAWINGS SO THAT NECESSARY MODIFICATIONS CAN BE MADE TO THE DRAWINGS.

7. SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR DISTRIBUTOR. REPRODUCTION OF THE CONTRACT DOCUMENTS AS ERECTION PLANS OR DETAILS SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM H. EUGENE HUNTER, P.E.

8. SHOP DRAWINGS SHALL BE PREPARED USING THE STRUCTURAL DRAWINGS. ANY CHANGES, MODIFICATIONS OR REVISIONS FROM THE STRUCTURAL DRAWINGS SHALL BE NOTED IN WRITING AND APPROVED PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.

9. IT IS ASSUMED THAT THE SELECTED G.C. AND HIS SUB-CONTRACTORS ARE EXPERIENCED AND QUALIFIED FOR THE TYPE OF CONSTRUCTION SHOWN. THE G.C. SHALL PROVIDE ALL SUB-CONTRACTORS WITH ALL RELATED DRAWINGS AND SPECIFICATIONS TO ALLOW COMPLETION OF THE WORK. ANY AND ALL QUESTIONS AND CLARIFICATIONS SHALL BE SUBMITTED IN WRITING BY FAX TO THE ARCHITECT AND ENGINEER BY THE G.C. ALLOW A MINIMUM OF THREE DAYS FOR WRITTEN RESPONSES.

DESIGN LOADS:

2011 OHIO BUILDING CODE (IBC 2009) (w JAN 2015 UPDATES)

BUILDING CLASSIFICATION: GROUP II (OBC 2011)

LIVE LOADS: ROOF 20 PSF
LIVE LOAD SLAB ON GRADE 150 PSF

WIND

BASIC WIND SPEED 115 MPH (3-sec gust)
RISK CATEGORY II ASCE 7-10
BASIC WIND SPEED 90 MPH (3-sec gust)
MWERS ASCE 7-10

EXPOSURE 'C'
BASIC WIND SPEED - 17.6 psf
 $V = 90$
 $K_d = .85$
 $K_{zt} = 1.0$
 $q_z = 17.6(K_z)$

HEIGHT
0-5 feet 5.0 psf
20 feet 5.8 psf
30 feet 6.5 psf

INTERNAL PRESSURE COEFF. = ±1.8

COMPONENTS & CLADDING

$C_s = 0.0225 K_d K_{zt} K_{e1}$
BASIC WIND PRESSURE = 17.6 psf

WIND BASE SHEAR
 $V_x = 12.6$ kips, $V_y = 23.4$ kips

2011 OHIO BUILDING CODE (IBC 2009) (w JAN 2015 UPDATES)
PICKAWAY COUNTY, OH 43103
SEISMIC USE CATEGORY: SH
SEISMIC DESIGN CATEGORY B

BASIC STRUCTURAL SYSTEM: BUILDING FRAME ORDINARY MOMENT FRAMES
SITE CLASS D (REPORT)
EQUIVALENT LATERAL FORCE PROCEDURE
 $V = C_w W$ $C_w = \frac{S_{DS}}{R_1}$ $\frac{0.28}{1.0}$ $\frac{0.43W}{1.0}$
 $R = 3$ $C_d = 3$ $S_{ps} = 0.128$ $S_s = 0.120$ $S_{ms} = 0.192$ $S_p = 0.101$ $S_1 = 0.063$ $S_{m1} = 0.152$ $I_e = 1.0$
DESIGN BASE SHEAR = 0.043W
SOIL BEARING 2500 PSF
ARCH. MECH. COMMENTS ANCHORED
ROOF SNOW/LIVE LOAD ASCE 7
 $C_e = 0.9$
IMPORTANCE FACTOR $I = 1.0$
ROOF SLOPE FACTOR $C_s = 1.0$
GROUND SNOW LOAD $P_g = 20$ PSF
FLAT ROOF SL PL = $7.0(20)(1.0) = 14$ PSF

MINIMUM DESIGN ROOF LIVE LOAD FOR PICKAWAY COUNTY, OH - 20 PSF

PROJECT TERMS AND DEFINITIONS

PROJECT TERMS & DEFINITIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING: AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, SEPTEMBER 1, 1986.

DEFINITIONS SHALL BE AS FOLLOWS:

ARCHITECT/ENGINEER - THE OWNER'S DESIGNATED REPRESENTATIVE WITH FULL RESPONSIBILITY FOR THE DESIGN AND INTEGRITY OF THE STRUCTURE.

CONTRACT DOCUMENTS - THE DOCUMENTS WHICH DEFINE THE RESPONSIBILITIES OF THE PARTIES INVOLVED IN BIDDING, PURCHASING, SUPPLYING AND ERECTING STRUCTURAL STEEL. THESE DOCUMENTS CONSIST OF A CONTRACT, PLANS AND SPECIFICATIONS.

DRAWINGS - SHOP AND FIELD ERECTION DRAWINGS PREPARED BY THE FABRICATOR AND ERECTOR FOR THE PERFORMANCE OF THE WORK.

ERECTOR - THE PARTY RESPONSIBLE FOR THE ERECTION OF THE STRUCTURAL STEEL.

FABRICATOR - THE PARTY RESPONSIBLE FOR FURNISHING FABRICATED STRUCTURAL STEEL.

OWNER - THE OWNER OF THE PROPOSED STRUCTURE OR HIS DESIGNATED REPRESENTATIVE, WHO MAY BE THE ARCHITECT, ENGINEER, GENERAL CONTRACTOR, PUBLIC AUTHORITY OR OTHERS.

PLANS - DESIGN DRAWINGS FURNISHED BY THE PARTY RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.

ONCE THE NOTICE TO PROCEED IS GIVEN BY THE OWNER, THE GENERAL CONTRACTOR IS TO PROVIDE THE STRUCTURAL ENGINEER A WRITTEN ITEMIZED SCHEDULE OF THE SHOP DRAWINGS, SUBMITTAL DATES AND CONSTRUCTION SCHEDULE. THE GENERAL CONTRACTOR SHALL THEN FURNISH THE STRUCTURAL ENGINEER WITH A PROGRESS REPORT EVERY 30 DAYS NOTING ONLY STRUCTURAL ITEMS OF INTEREST.

THE GENERAL CONTRACTOR SHALL FURNISH THE STRUCTURAL ENGINEER WITH A CERTIFIED SET OF FIELD USE DRAWINGS FOR ALL FABRICATED ITEMS. NOTE ALL CHANGED OR REVISED ITEMS THAT DO NOT AGREE WITH THE ORIGINAL CONTRACT DOCUMENTS.

FOUNDATION & SLAB ON GRADE

1. CONCRETE SLAB ON GRADE IS TO BE PLACED ON ENGINEERED, COMPACTED FILL. COMPACTION IS TO BE IN ACCORDANCE WITH STANDARD PROCTOR AT OR NEAR OPTIMUM MOISTURE CONTENT. THE UPPERMOST 1'-6" OF FILL IS TO BE 100% STANDARD PROCTOR, OTHER IS TO BE 95%.

2. A SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THE PROJECT. THE FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF.

3. REINFORCING STEEL IS TO BE ASTM A615, GRADE 60, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318. PROVIDE AN AGI TYPE 'A' TENSION SPLICE FOR ALL REINFORCING UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.

ALL REINFORCING STEEL LAPS SHALL BE A MINIMUM OF 36 BAR DIA, UNLESS NOTED OTHERWISE. 24" MIN. USE CORNER BARS IN ALL CORNERS OF EACH RUN OF LONGITUDINAL REINFORCING. CORNER BARS SHALL BE THE SAME SIZE AND SPACING AS LONGITUDINAL BARS.

4. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE.

A. FOOTINGS AND GRADE BEAMS	3 INCHES
B. BEAMS AND COLUMNS	1 1/2 INCHES
C. SLABS	3/4 INCHES
D. SLABS ON GRADE	2 INCHES

GROUT

1. GROUT UNDER COLUMN BASE PLATES AND BEAM BEARING PLATES IS TO BE PLACED UNIFORMLY UNDER BEARING PLATES TO THE REQUIRED BEARING ELEVATION.

NOTE: FLYASH NOT PERMITTED IN CONCRETE

CONCRETE & REINFORCING

1. CONCRETE FOR THE PROJECT IS TO BE:

28 DAY COMPRESSIVE

STRENGTH	DENSITY	AIR ENTRAINMENT	USAGE
3000 PSI	150 PCF		FOOTINGS
3000 PSI	150 PCF		SLAB ON GRADE (INTERIOR)
3000 PSI	150 PCF	5 TO 7%	SLAB ON GRADE (EXTERIOR)

2. CONCRETE SLAB ON GRADE IS TO BE REINFORCED WITH #6-WL4M1.4 WELDED WIRE FABRIC PLACED ON SUPPORTS SO THAT THE REINFORCING IS AT THE MIDPOINT OF THE SLAB THICKNESS.

3. REINFORCING STEEL IS TO BE ASTM A615, GRADE 60, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318. PROVIDE AN AGI TYPE 'A' TENSION SPLICE FOR ALL REINFORCING UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.

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A. FOOTINGS AND GRADE BEAMS	3 INCHES
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NOTE: FLYASH NOT PERMITTED IN CONCRETE

FOUNDATION & SLAB ON GRADE

1. CONCRETE SLAB ON GRADE IS TO BE PLACED ON ENGINEERED, COMPACTED FILL. COMPACTION IS TO BE IN ACCORDANCE WITH STANDARD PROCTOR AT OR NEAR OPTIMUM MOISTURE CONTENT. THE UPPERMOST 1'-6" OF FILL IS TO BE 100% STANDARD PROCTOR, OTHER IS TO BE 95%.

2. A SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THE PROJECT. THE FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF.

3. REINFORCING STEEL IS TO BE ASTM A615, GRADE 60, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318. PROVIDE AN AGI TYPE 'A' TENSION SPLICE FOR ALL REINFORCING UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.

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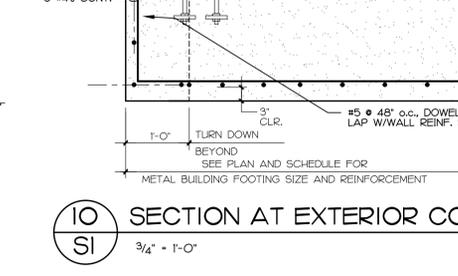
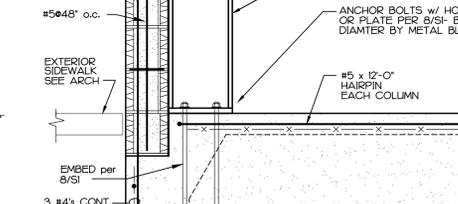
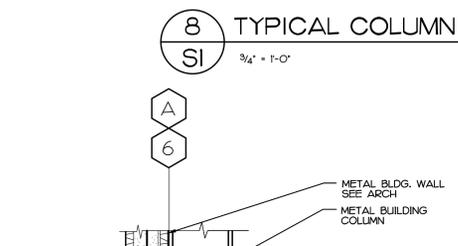
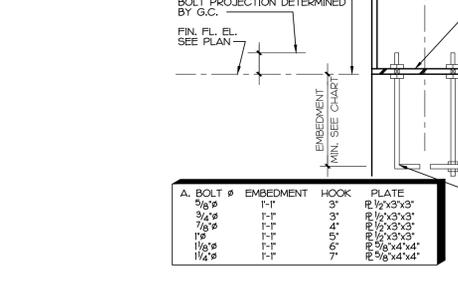
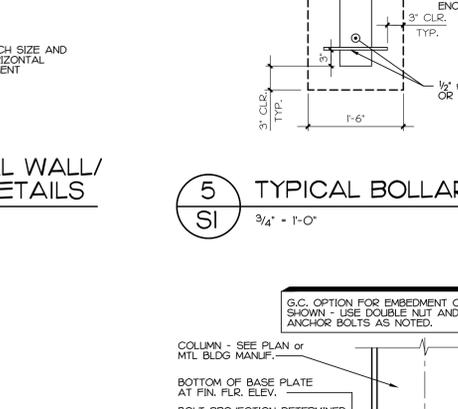
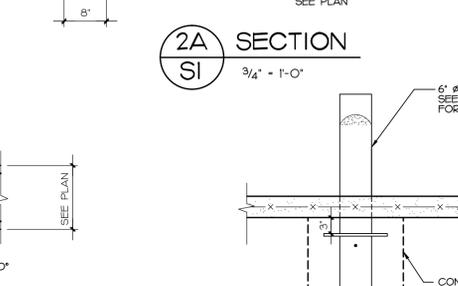
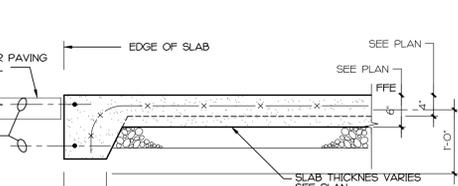
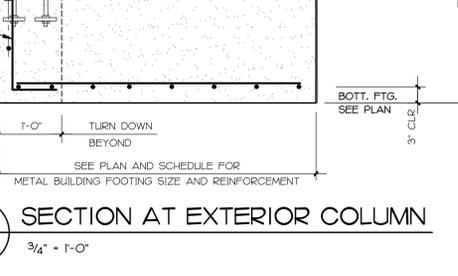
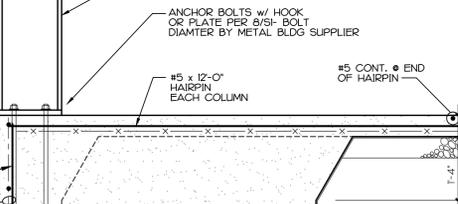
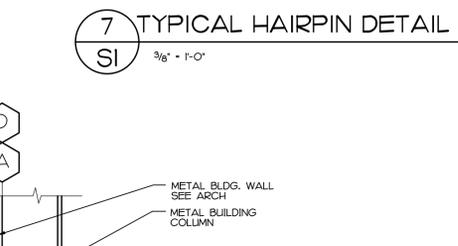
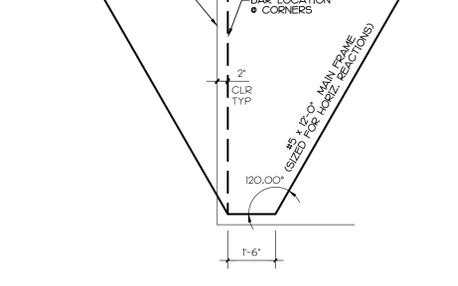
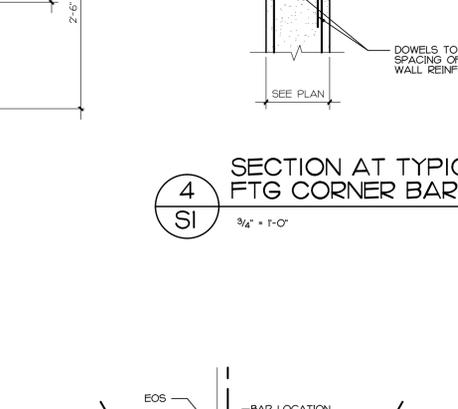
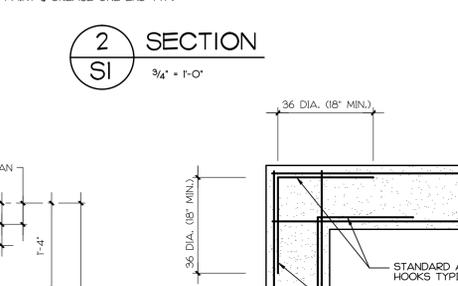
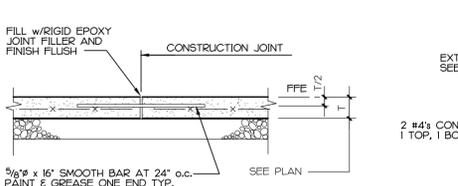
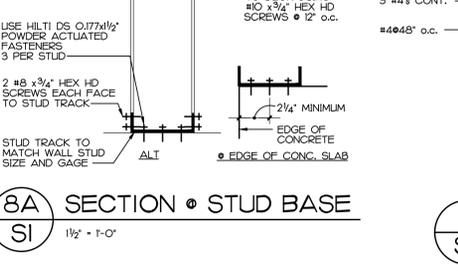
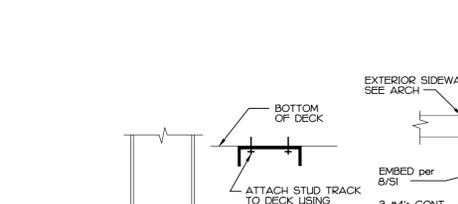
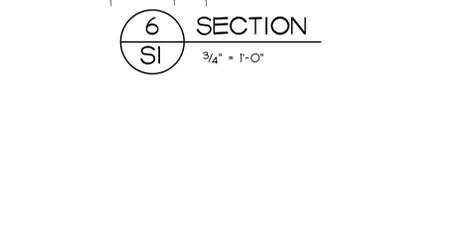
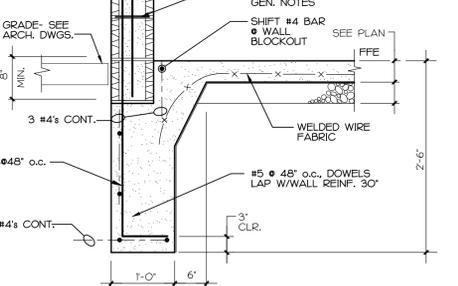
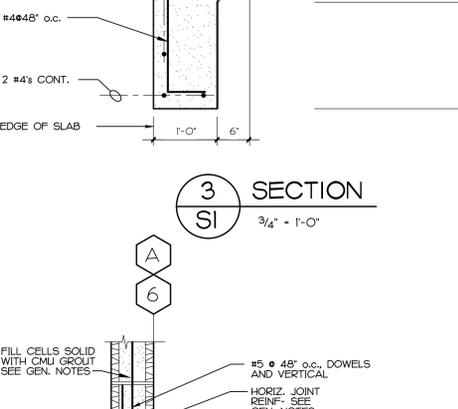
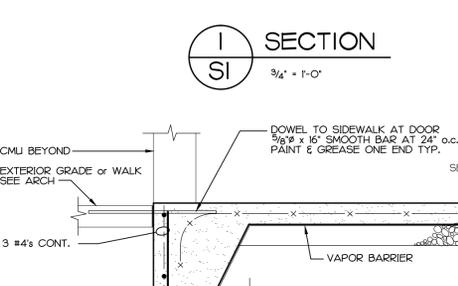
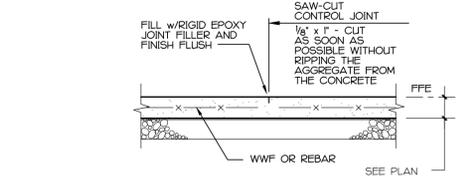
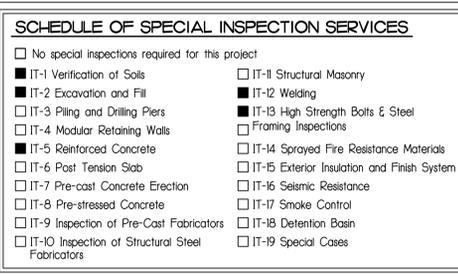
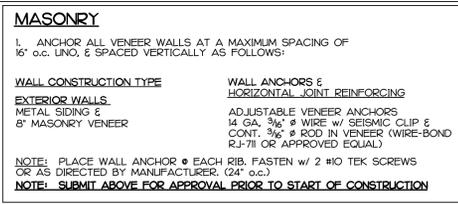
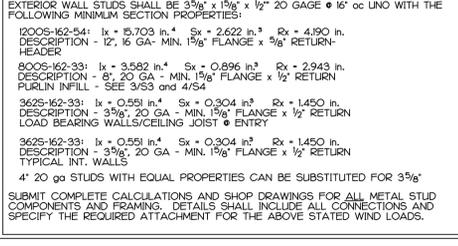
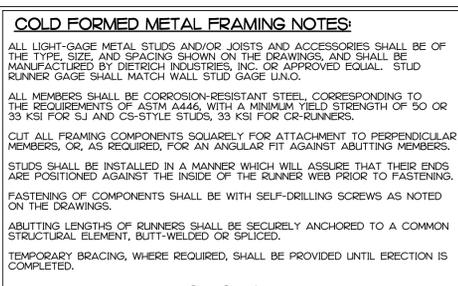
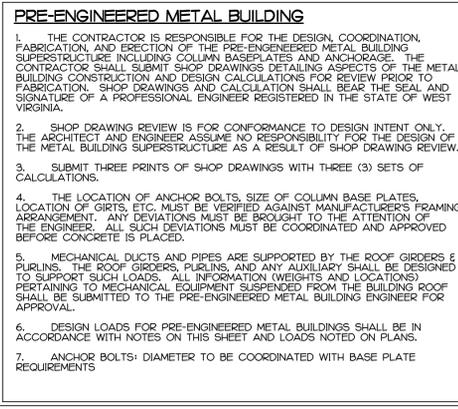
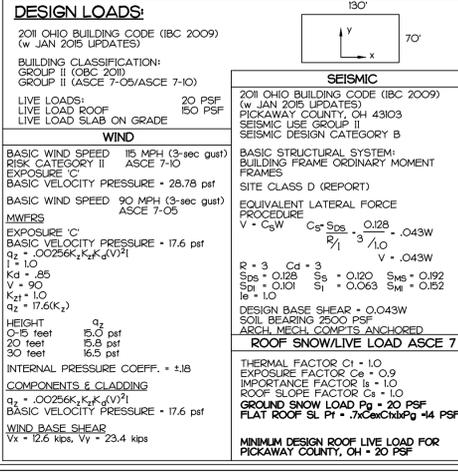
4. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE.

A. FOOTINGS AND GRADE BEAMS	3 INCHES
B. BEAMS AND COLUMNS	1 1/2 INCHES
C. SLABS	3/4 INCHES
D. SLABS ON GRADE	2 INCHES

GROUT

1. GROUT UNDER COLUMN BASE PLATES AND BEAM BEARING PLATES IS TO BE PLACED UNIFORMLY UNDER BEARING PLATES TO THE REQUIRED BEARING ELEVATION.

NOTE: FLYASH NOT PERMITTED IN CONCRETE



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Matthews, North Carolina 28105
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#	DATE	REVISION

DOLLAR GENERAL #17434
499 LONG STREET
ASHVILLE, OHIO 43103

HEH Job: 3136

DOLLAR GENERAL

GENERAL NOTES & SECTIONS

SHEET TITLE

SPI Client DATE
16137 04-28-16

SHEET NUMBER
S1

