EXCHANGE RETAIL

AT HOMEPLACE

PRATTVILLE, ALABAMA

PERMIT SET

10.11.2019

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GOODWYN MILLS & CAWOOD, INC.
ARCHITECTURE
2660 EASTCHASE LANE
SUITE 200
MONTGOMERY, ALABAMA 36117
RICK WENDLING
334.271.3200 EXT 225
Rick.wendling@gmcnetwork.com

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CIVIL ENGINEERING
356 HIGHWAY 82 WEST
PRATTVILLE, ALABAMA 36067
CLYDE CHAMBLISS
334.491-2323
chamblissengineering.com

WEATHERFORD & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
8150 OLD FEDERAL ROAD
MONTGOMERY, ALABAMA 36117
DANNY RAINES
334.277.9550
danny@waeng.com

PURSUIT ENGINEERING, INC.
MECHANICAL ENGINEERING
FIRE PROTECTION
ELECTRICAL ENGINEERING
1199 S. DONAHUE DRIVE
AUBURN, ALABAMA 36832
CHASE PAYNE
334.246.1369
chase@pursuitengineering.com
JEFF HIRES
334.246.1369
jeff@pursuitengineering.com

GMC

AS-BUILT

2660 East Chase Lane, Suite 200
Montgomery, AL 36117
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
75% REVIEW	04/18/19
95% REVIEW	05/30/19
PERMIT SET	10/11/19
DESIGNED BY:	GMC
DRAWN BY:	GMC
CHECKED BY:	GMC

THE EXCHANGE AT HOMEPLACE

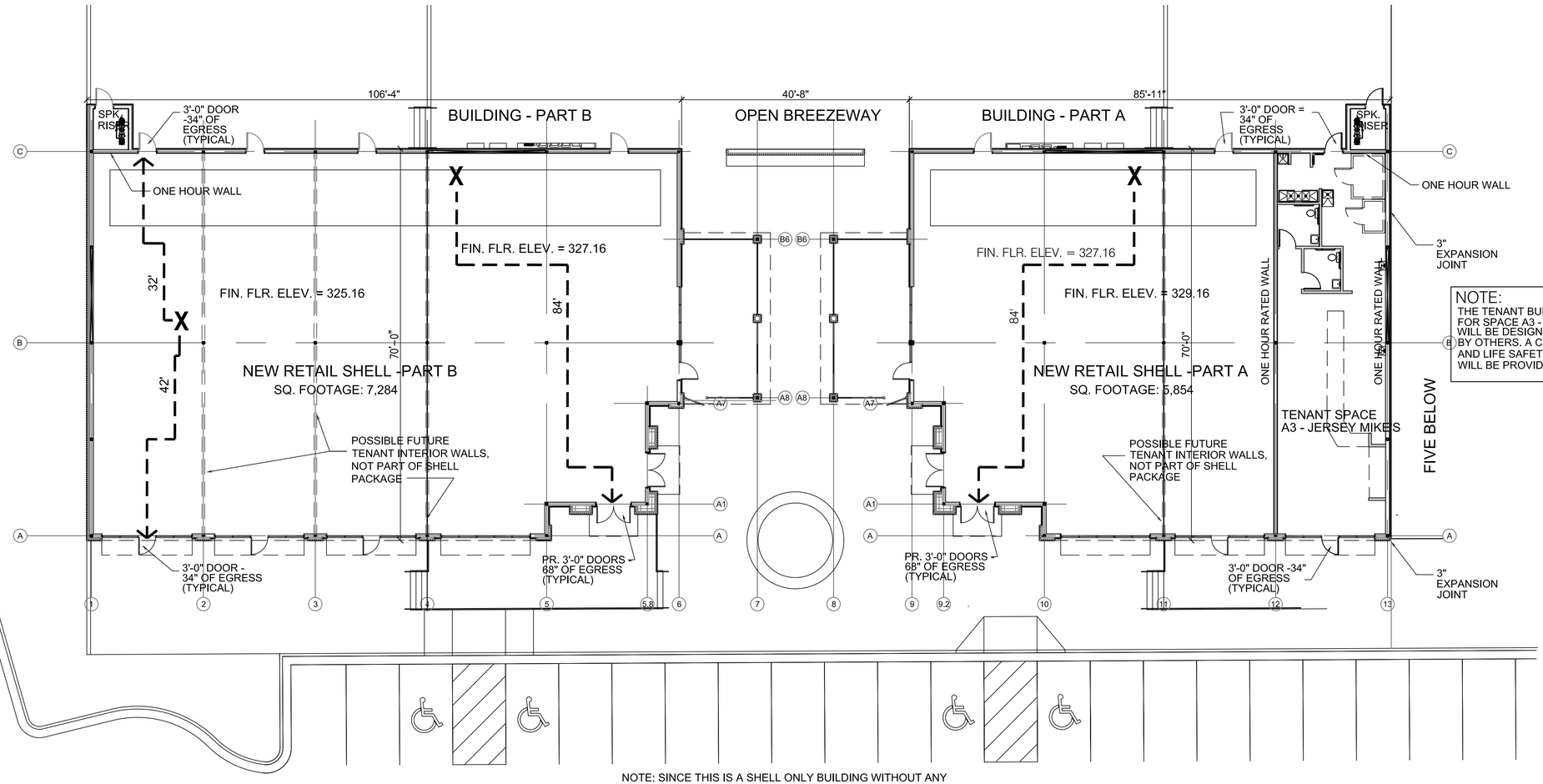
PRATTVILLE, AL

GMC PROJECT#AMGM180037

STATE OF ALABAMA
W.E. WALLACE 2922
T.A. BASSETT 4160
T.E. LYNN, JR. 3646
REGISTERED ARCHITECT

TITLE SHEET
INDEX TO DRAWINGS

T1.01
sheet of



NOTE:
THE TENANT BUILD-OUT DRAWINGS FOR SPACE A3 - JERSEY MIKE'S WILL BE DESIGNED AND SUBMITTED BY OTHERS. A COMPLETE CODE STUDY AND LIFE SAFETY PLAN FOR THIS SPACE WILL BE PROVIDED BY TENANT.

1 LS.01 **LIFE SAFETY PLAN**
SCALE: 3/32" = 1'-0"

NOTE: SINCE THIS IS A SHELL ONLY BUILDING WITHOUT ANY TENANT LAYOUTS, THE TRAVEL DISTANCE EXAMPLES SHOWN ARE ONLY TO ENSURE PLAN REVIEWER THAT THERE SHOULD BE NO FUTURE TRAVEL COMPLIANCE ISSUES.
ALL FUTURE TENANT BUILD-OUT SUBMITTALS WILL BE RESPONSIBLE FOR COMPLIANCE IN THEIR OWN SPACE.

CODE ANALYSIS

JURISDICTION

CITY OF PRATTVILLE
101 WEST MAIN STREET
PLANNING AND DEVELOPMENT
PRATTVILLE, ALABAMA

APPLICABLE CODES

2015 INTERNATIONAL BUILDING CODE
2015 ALABAMA COMMERCIAL ENERGY CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL FUEL GAS CODE
2015 INTERNATIONAL PROPERTY MAINTENANCE CODE
2014 NATIONAL ELECTRICAL CODE NFPA 70

PROJECT SUMMARY

THIS SUBMITTAL IS THE LANDLORD'S SHELL PACKAGE AND CONSISTS OF TENANT SPACE TO BE IDENTIFIED AS FUTURE NEW RETAIL. HOWEVER, THERE WILL BE ONE TENANT SPACE DESIGNATED AS A3 WHICH WILL INCLUDE MORE THAN JUST THE SHELL. IT WILL INCLUDE TOILETS, CEILING AND STUB IN PLUMBING. THE REMAINDER OF ITS BUILD-OUT WILL BE DESIGNED AND SUBMITTED BY THE TENANT.
THIS IS TWO SEPARATE BUILDINGS TOTALING 13,138 SF SHELL ONLY BUILDINGS. NO INTERIOR WALLS OR PLUMBING FIXTURES UNDER THIS SCOPE. ALL INTERIOR WALLS, CEILINGS, FIXTURES, ETC. ARE TO BE SUBMITTED SEPARETLY UPON TENANT BUILDOUT OTHER THAN NOTED ABOVE.

OCCUPANCY: (303.3) (309)

ASSEMBLY GROUP A2 - (PROPOSED FUTURE RESTAURANT TENANTS)
MERCANTILE GROUP M - (PROPOSED FUTURE RETAIL TENANTS)

CONSTRUCTION TYPE: (601)

TYPE II B UNPROTECTED, FULLY SPRINKLERED

FIRE PROTECTION: (700)

FUTURE TENANT DEMISING WALLS TO BE ONE HOUR RATED TO DECK

GENERAL BUILDING HEIGHTS AND AREAS: (507.4)

MERCANTILE SPRINKLERED, 1 STORY BUILDING WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 IS NOT LIMITED.

GENERAL AREA MODIFICATIONS: (506)

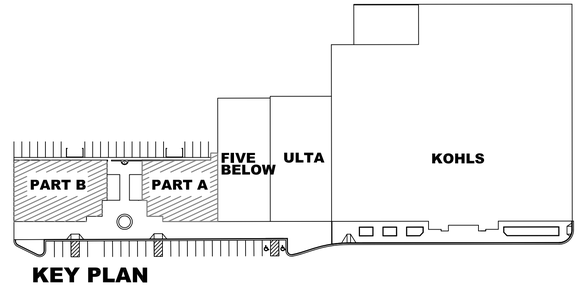
NOT REQUIRED

MAXIMUM TRAVEL DISTANCE TO EXIT: (1017.2)

WITH AUTOMATIC SPRINKLER SYSTEM - 250'

PLUMBING FIXTURES:

THE INTERIOR PACKAGE BEING SUBMITTED BY OTHERS WILL INCLUDE THE NECESSARY CODES INCLUDING THE PLUMBING FIXTURE COUNTS AS REQUIRED.



KEY PLAN

GMC

AS-BUILT

2660 East Chase Lane, Suite 200
Montgomery, AL 36117
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
75% REVIEW	04/18/19
95% REVIEW	05/30/19
PERMIT SET	10/11/19

DESIGNED BY: GMC
DRAWN BY: GMC
CHECKED BY: GMC

THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL

GMC PROJECT#AMGM180037

STATE OF ALABAMA
W.E. WALLACE 2925
T.A. BASSETT 4140
F.E. LYNN, JR. 3648
REGISTERED ARCHITECT

LIFE SAFETY PLAN

LS.01
sheet of

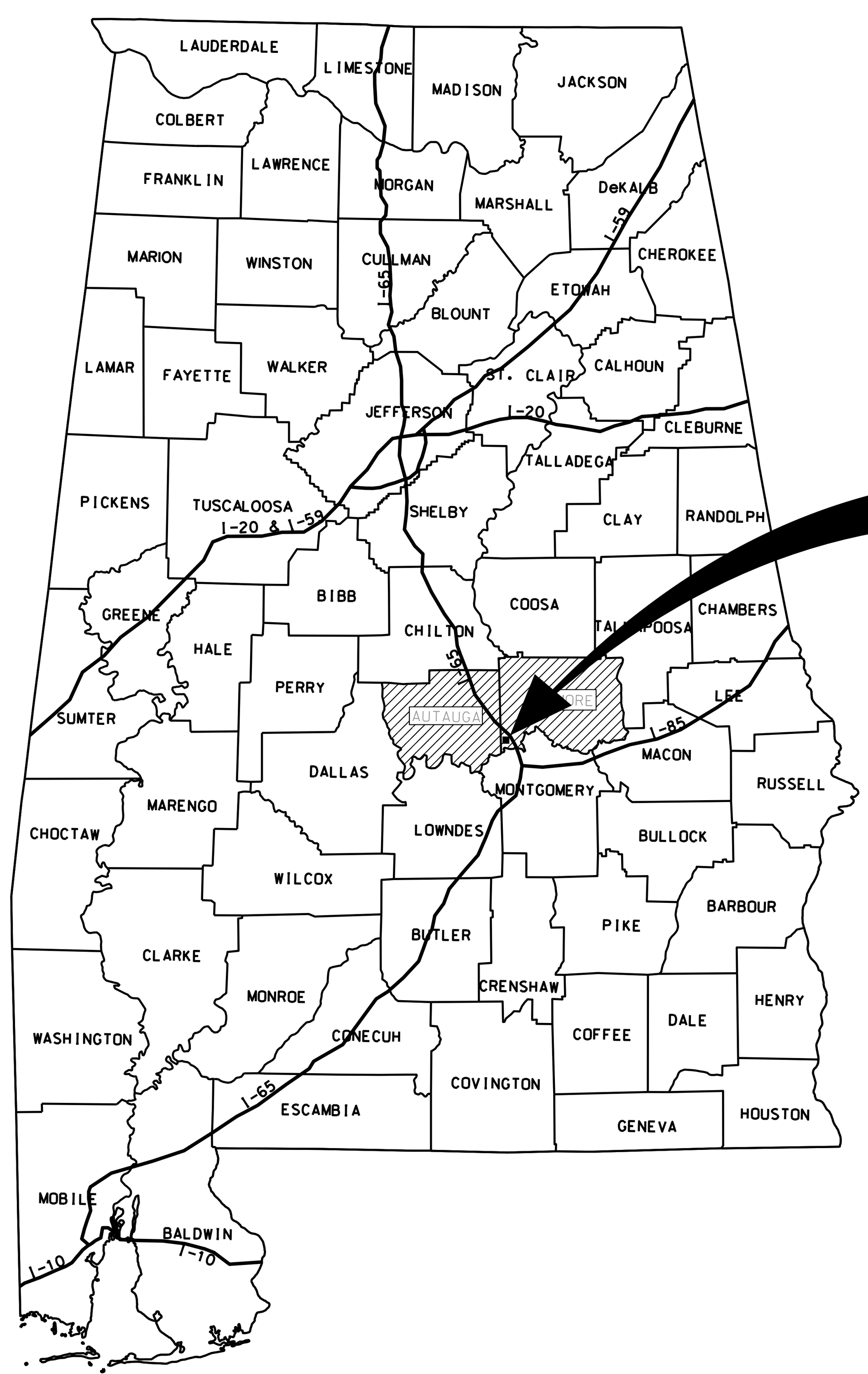
THE SHOPS AT

THE EXCHANGE AT HOMEPLACE

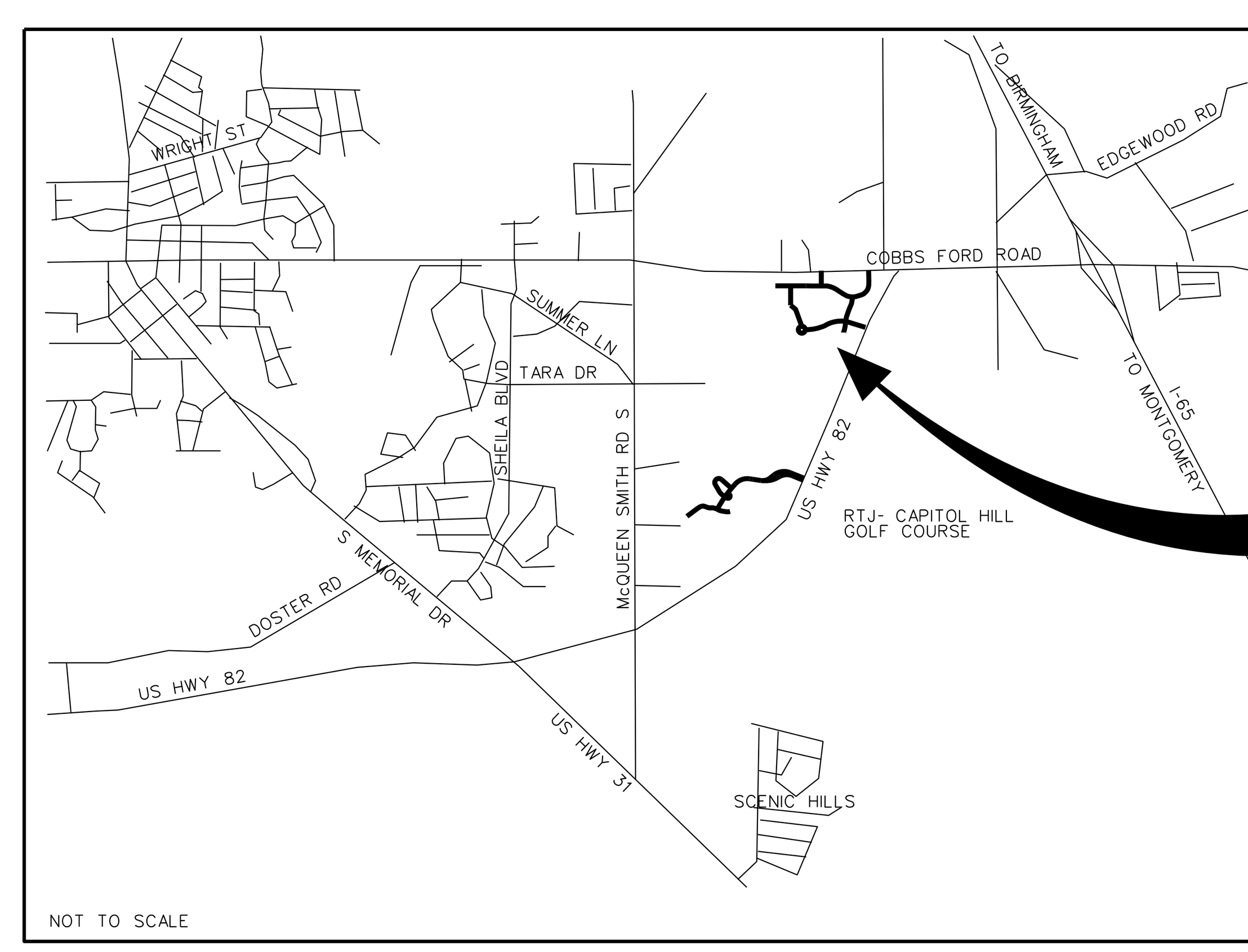
September, 2019

CHAMBLISS ENGINEERING L.L.C.

PRATTVILLE, ALABAMA



PROJECT LOCATION



PROJECT LOCATION

SHEET INDEX

Permit Set

CE CHAMBLISS ENGINEERING
356 Highway 82 West
Prattville, AL 36067
(334) 491-2323

AS-BUILT

THE SHOPS AT
The Exchange at HomePlace
Prattville, Alabama

DATE	9/23/2019
PROJECT NO.	019-19-116
DESIGNED	CLC
DRAWN	CCJ
APPROVED	CLC
SCALE	NONE
SHEET TITLE	PROJECT INFORMATION
SHEET NO.	01

TO COBBS FORD ROAD

Notes:
1) Construction staging shall be limited to the vacant area west of the proposed retail space.
2) Disruption of the shopping center access drives and common access drives is not allowed.
3) A minimum of one-way access of the delivery common access drive is required at all times.
4) Receiving activities may not block the delivery common access drive.

BENCH MARK:
FOUND CAPPED IRON PIN
NORTHING= 17642.35
EASTING= 15129.39
ELEV.= 332.09

SUGAR EXCHANGE

137.31'
S89°59'09"E

638.67'
S00°33'35"W

20' UTILITY EASEMENT

PERMANENT INGRESS & EGRESS EASEMENT

100.41'
S89°55'31"W
386.38'

Kohl's

7.010
THE PARK, LLC
TAX ID: 26-04-16-0-001-007.010
(NO RECENT EARTH WORK)

ULTA STORE
FINISH FLOOR: 329.18'

FIVE BELOW
FINISH FLOOR: 329.16'

PROPOSED

SHOPS

LEGENDS DRIVE

EXCHANGE

COTTON

20' STORM EASEMENT

CURB INLET

WATER FEATURE

BENCH MARK:
PK NAIL IN ASPHALT
NORTHING= 16781.96
EASTING= 16048.09
ELEV.= 325.40

LANDSCAPING (BY OTHERS)

	REQUIRED	PROPOSED
PERIMETER	40,742 SF	56,398 SF
FOUNDATION	4,852 SF	4,904 SF
INTERIOR	16,257 SF	16,531 SF

PARKING

	REQUIRED	PROPOSED
OVERALL (5 PER 1000)	644	724
KOHL'S (4.5 PER 1000)	290	290

MODELNAME: 02 Overall Plan
DATE: 8/27/2019 TIME: 10:51:18 AM
SHEETSIZE: 36x24 (In.) SCALE: 1:50
PENTABLE: Z:\Civil\clients\HP\Exchange\shops\drawings\inProgress\tables\overall.tbl
Z:\Civil\clients\HP\Exchange\shops\drawings\inProgress\Plans.dgn

50' 0' 50' 100'

LEGEND

EXISTING	PROPOSED
SECTION CORNER	SECTION CORNER
MONUMENT	MONUMENT
BENCH MARK	BENCH MARK
IRON PIN FOUND	IRON PIN FOUND
SET IRON PIN	SET IRON PIN
GAS METER	GAS METER
MAIL BOX	MAIL BOX
IRRIGATION HEAD	IRRIGATION HEAD
IRRIGATION BOX	IRRIGATION BOX
TELEPHONE PEDASTOOL	TELEPHONE PEDASTOOL
POWER JUNCTION BOX	POWER JUNCTION BOX
GUY ANCHOR	GUY ANCHOR
POWER POLE	POWER POLE
WATER METER	WATER METER
FIRE HYDRANT	FIRE HYDRANT
VALVE	VALVE
MANHOLE	MANHOLE
CLEANOUT	CLEANOUT
HEADWALL	HEADWALL
GRATE	GRATE
STREET LIGHT	STREET LIGHT
TREE	TREE
SIGN	SIGN
TRAFFIC CONTROL BARREL	TRAFFIC CONTROL BARREL
SANITARY SEWER EASEMENT	SANITARY SEWER EASEMENT
SANITARY SEWER LINE	SANITARY SEWER LINE
OVERHEAD POWER	OVERHEAD POWER
UNDERGROUND POWER	UNDERGROUND POWER
TELEPHONE LINE	TELEPHONE LINE
WATER LINE	WATER LINE
GAS LINE	GAS LINE
CONTOUR	CONTOUR
PEDESTRIAN CROSSWALK	PEDESTRIAN CROSSWALK
STORM DRAINAGE PIPE	STORM DRAINAGE PIPE
EXISTING PAVEMENT	LIGHT DUTY (LD) PAVEMENT
	HEAVY DUTY (HD) PAVEMENT
TC CABINET	TC CABINET
	2" WATER METER W/ DOUBLE CHECK BACK FLOW PER PWW REQUIREMENTS
	POWER TRANSFORMER
	BOLLARDS
	TWO 4" PVC CONDUIT FOR PHONE

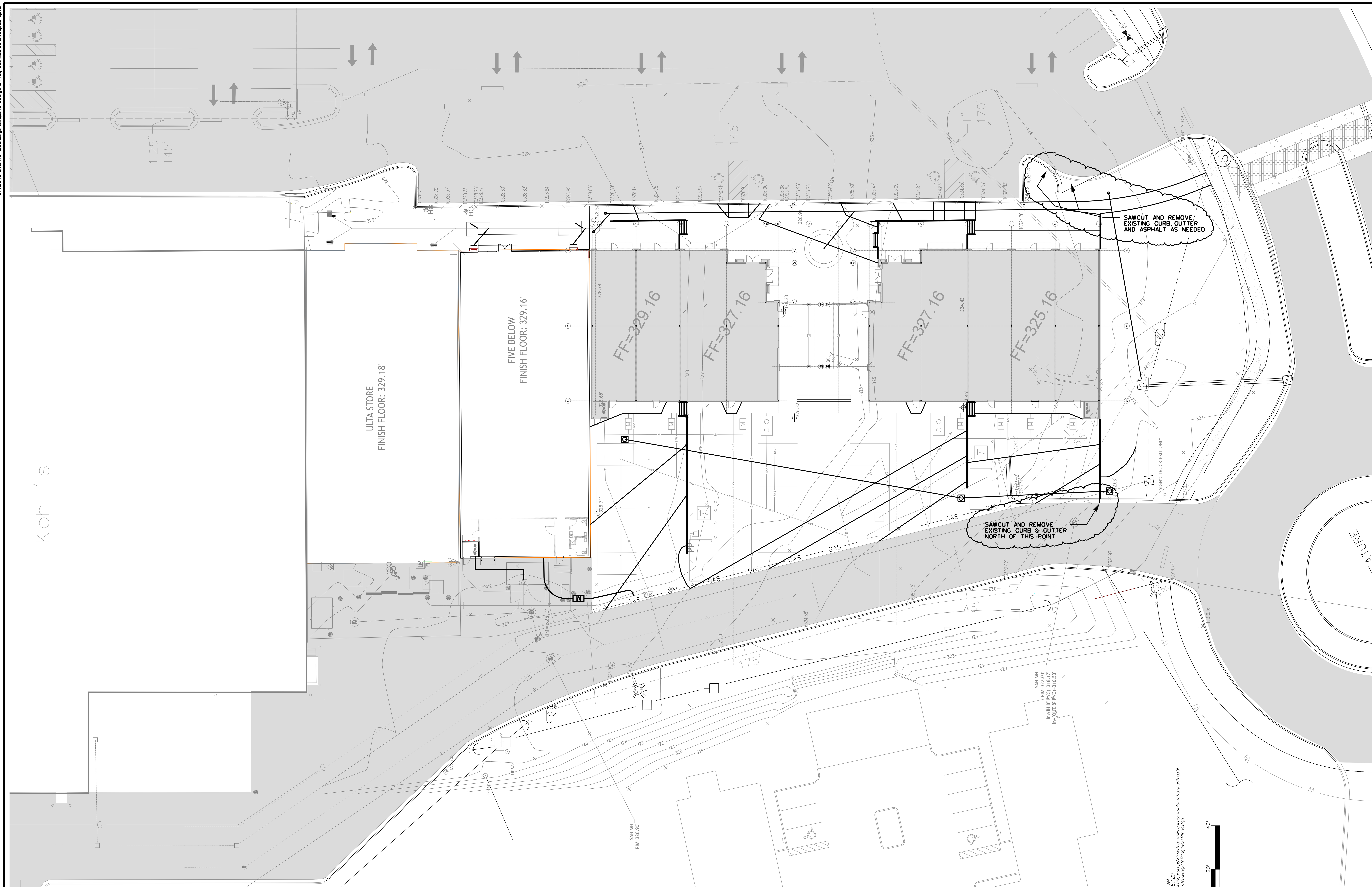
CHAMBLISS ENGINEERING
356 Highway 82 West
Prattville, AL 36067
(334) 491-2323

AS-BUILT

THE SHOPS AT The Exchange at HomePlace

Prattville, Alabama

DATE 8/27/2019
PROJECT NO. 019-19-116
DESIGNED CLC
DRAWN CCJ
APPROVED CLC
SCALE 1"=50'
SHEET TITLE: OVERALL PLAN
SHEET NO. 02



CONTRACTOR TO POT HOLE EXISTING UTILITIES AT PROJECT COMMENCEMENT AND COORDINATE SEWER AND STORM GRADES WITH THE ENGINEER.
SEQUENCE OF WORK SHALL BE AS FOLLOWS UNLESS APPROVED OTHERWISE BY THE ENGINEER: POT HOLE EXISTING UTILITIES, FOUNDATIONS, SLABS, COMPLETE UTILITIES, CONCRETE PAVING IN REAR, BUILDING SHELLS, CONCRETE PAVING IN FRONT, BUILDING COMPLETION.
PROVIDE 6" FIBERMESH 4,000 PSI CONCRETE SLAB W/ 6"X6" WWF FROM BACK OF BUILDING TO EXISTING ASPHALT AND ENTIRE WIDTH OF BUILDINGS.
CONTRACTOR TO OBTAIN A NPDES CONSTRUCTION STORMWATER PERMIT FROM PROJECT COMMENCEMENT UNTIL STABILIZATION PER ADEM REGULATIONS.
CONTRACTOR TO PROVIDE CONSTRUCTION STAKING.

CE
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DATE	9/23/2019
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SCALE	NOTED
SHEET TITLE	SITE AND DEMO PLAN
SHEET NO.	03

CONCRETE PAVING SHALL BE FLUSH WITH FINISHED FLOOR AT DOORS AND 0.1' BELOW FINISHED FLOOR ELSEWHERE. WALL CONSTRUCTION SHALL BE DESIGNED TO PREVENT BLOWING RAIN FROM FLOWING UNDER THE WALL. IF NOT, CONCRETE PAVING SHALL BE 0.5' BELOW FINISHED FLOOR EXCEPT AT DOORS AND ADJUST GRADES ACCORDINGLY. CONCRETE PAVING SHALL SLOPE AWAY FROM BUILDING. THE +/- 7' OF SIDEWALK ADJACENT TO THE EXISTING CURB ON THE EAST SIDE OF THE BUILDING SHALL BE SLOPED 1% TOWARD THE CURB. CONTRACTOR SHALL SET STRINGLINES FOR EACH SLAB AND REVIEW IN THE FIELD WITH THE ENGINEER BEFORE POURING ANY CONCRETE.

FF=329.16

FF=327.16

FF=327.16

FF=325.16

REROUTE EXISTING SITE LIGHTING AS NECESSARY

REROUTE EXISTING SITE LIGHTING AS NECESSARY

STORM JUNCTION BOX W/ TRAFFIC RATED MANHOLE FLUSH WITH PAVING (TYP)

PAVING IN REAR OF BUILDING SHALL SLOPE FROM THE BACK OF THE BUILDING (PER NOTE ABOVE) TO THE GRADE OF THE EXISTING ASPHALT AS SHOWN BELOW.

RETAINING WALL WITH HANDRAIL TOP OF WALL=327.00

RETAINING WALL WITH HANDRAIL TOP OF WALL=329.00

RETAINING WALL WITH HANDRAIL TOP OF WALL=325.50

CONNECT EACH DOWNSPOUT TO STORM DRAIN USING 8" ADS AT 1%

15" ADS STORM AT 1%

DOGHOUSE EXISTING STORM PIPE

SIGN*: TRUCK EXIT ONLY

CONSTRUCT RETAINING WALL PER ARCHITECTURAL AND STRUCTURAL DETAILS. TOP OF WALL MAY STEP DOWN AS LONG AS IT REMAINS A MINIMUM OF 6" ABOVE ADJACENT GRADE.

ADDED CONTOURS AND SPOT GRADES, UPDATED NOTE (AT TOP OF PAGE), ADDED DETAIL NOTE (THIS BUBBLE)

CHAMBLISS ENGINEERING
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Prattville, AL 36067
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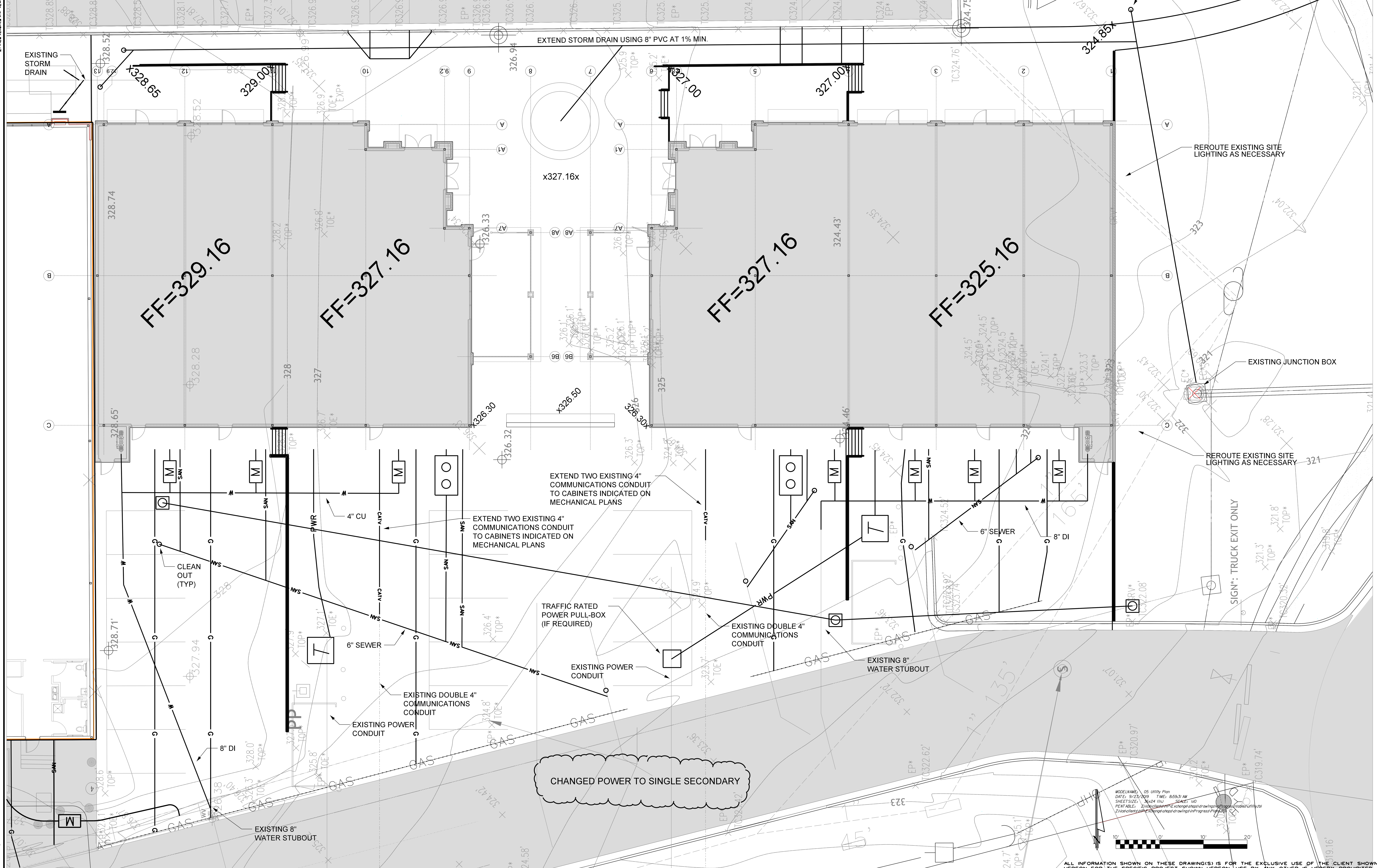
DRAWN	CCJ
APPROVED	CLC
SCALE	NOTED
SHEET TITLE	GRADING PLAN
SHEET NO.	04

GREASE INTERCEPTORS SHALL BE 1,500 GALLON TRAFFIC RATED AASHTO HS20, MANUFACTURED IN ACCORDANCE WITH ASTM C890, ACI 318 AND ASTM C161B. CONCRETE SHALL BE 5,000 PSI AND REINFORCING STEEL SHALL BE GRADE 60.
SEWER LATERALS SHALL BE 4" PVC CLASS 200 OR SCHEDULE 40 UNLESS NOTED OTHERWISE.
WATER MAIN SHALL BE 8" DUCTILE IRON AND INSTALLED PER PRATTVILLE WATER WORKS AND ADEM STANDARDS.
WATER SERVICES SHALL BE 1" FOR THE FIVE SMALL SPACES AND 2" FOR THE TWO LARGE SPACES. SERVICE LINES SHALL BE SOLID STRAND, TYPE K COPPER. METERS SHALL BE OBTAINED FROM PRATTVILLE WATER WORKS BOARD.
EXTEND ALL UTILITIES TO BUILDING IN COORDINATION WITH MECHANICAL PLANS.



ALL INFORMATION SHOWN ON THESE DRAWING(S) IS FOR THE EXCLUSIVE USE OF THE CLIENT SHOWN HEREON FOR THE SPECIFIC PROJECT SHOWN HEREON. USE BY ANY OTHER IS HEREBY PROHIBITED.

CE
CHAMBLISS ENGINEERING
356 Highway 82 West
Prattville, AL 36067
(334) 491-2323

AS-BUILT

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DATE	9/23/2019
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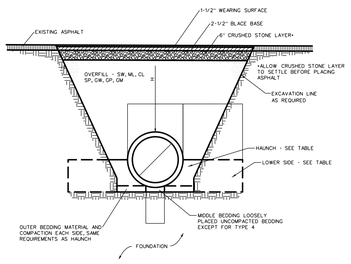
DESIGNED	CLC
DRAWN	CCJ
APPROVED	CLC
SCALE	NOTED
SHEET TITLE	UTILITY PLAN
SHEET NO.	05

SHEET 05 OF 11



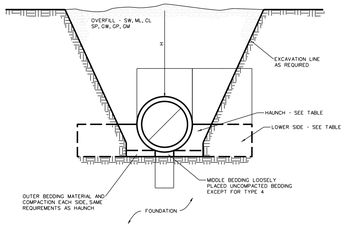
STANDARD TRENCH UNDER PAVEMENT

STANDARD TRENCH INSTALLATION

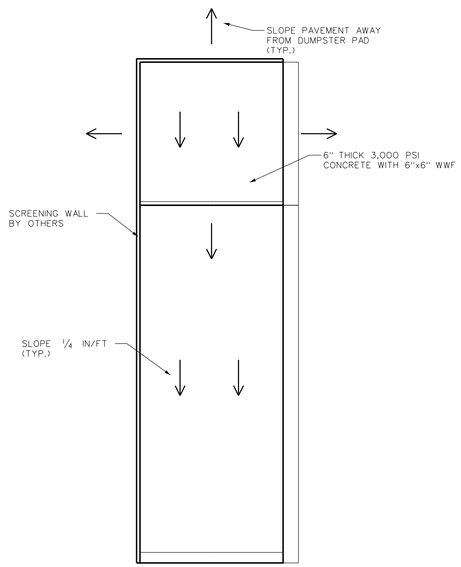
INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	Do/24 MINIMUN, NOT LESS THAN 3in.(75mm). IF ROCK FOUNDATION, USE Do/12 MINIMUN, NOT LESS THAN 6in.(150mm).	95% SW	90% SW, 95%ML OR NATURAL SOILS OF EQUAL FIRMNESS
TYPE 2	Do/24 MINIMUN, NOT LESS THAN 3in.(75mm). IF ROCK FOUNDATION, USE Do/12 MINIMUN, NOT LESS THAN 6in.(150mm).	90% SW OR 95% ML	85% SW, 95% ML, 95% CL OR NATURAL SOILS OF EQUAL FIRMNESS
TYPE 3	Do/24 MINIMUN, NOT LESS THAN 3in.(75mm). IF ROCK FOUNDATION, USE Do/12 MINIMUN, NOT LESS THAN 6in.(150mm).	85% SW 90% ML OR 95% CL	85% SW, 95% ML, 95% CL OR NATURAL SOILS OF EQUAL FIRMNESS
TYPE 3	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION USE Do/12 MIN. NOT LESS THAN 6in.(150).	NO COMPACTION REQUIRED, EXCEPT IF CL, USE 85% CL	85% SW, 95% ML, 95% CL OR NATURAL SOILS OF EQUAL FIRMNESS

NOTES: 1. FOR TRENCH WALLS THAT ARE WITHIN 10° OF VERTICAL, THE COMPACTION OR FIRMNESS OF THE SOIL IN THE TRENCH WALLS AND LOW SIDE ZONE NEED NOT BE CONSIDERED.

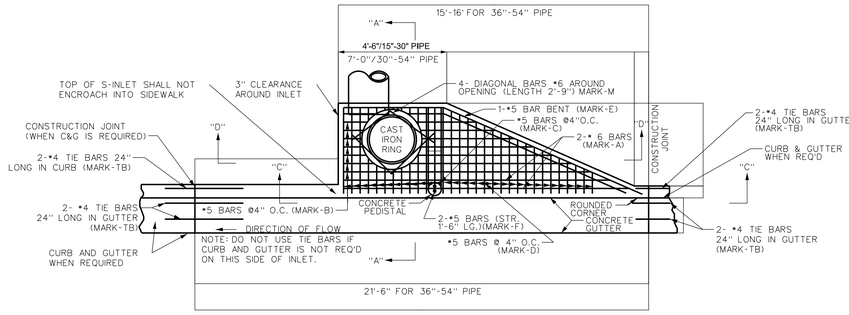
2. FOR TRENCH WALLS WITH GREATER THAN 10° SLOPES THAT CONSIST OF EMBANKMENT, THE LOWER SIDE SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE SOIL IN THE BACKFILL ZONE.



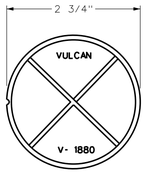
TYPICAL CONCRETE PIPE INSTALLATION
N.T.S.



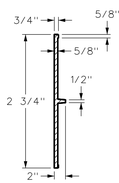
DUMPSTER PAD
N.T.S.



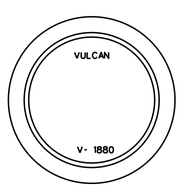
S-INLET PLAN VIEW
N.T.S.



COVER BACK

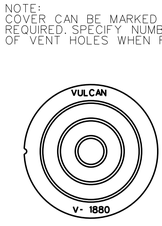


COVER SECTION

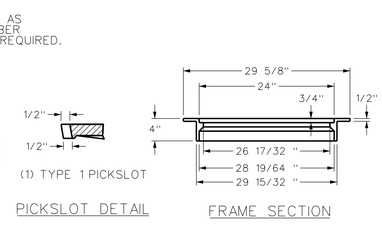


FRAME PLAN

NOTE:
COVER CAN BE MARKED AS REQUIRED. SPECIFY NUMBER OF VENT HOLES WHEN REQUIRED.



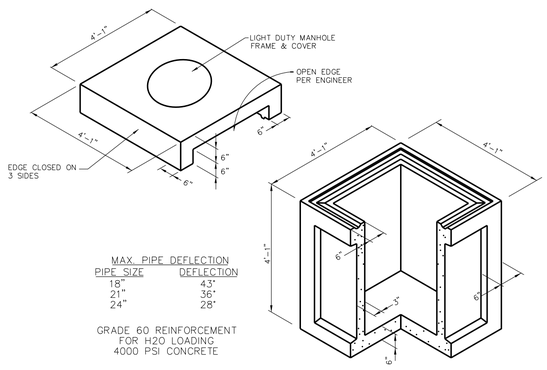
COVER FACE



PICKSLOT DETAIL

FRAME SECTION

LIGHT DUTY (NON-TRAFFIC) MANHOLE FRAME & COVER
N.T.S.



MAX. PIPE DEFLECTION	
PIPE SIZE	DEFLECTION
18"	43°
21"	36°
24"	28°

GRADE 60 REINFORCEMENT FOR H20 LOADING
4000 PSI CONCRETE

JUNCTION BOX WITH AREA INLET TOP
N.T.S.

UTILITY TRENCHING AND BACKFILL REQUIREMENTS:

1. ALL INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL REQUIREMENTS, SPECIFIC UTILITY COMPANY REQUIREMENTS, OSHA AND GOOD CONSTRUCTION PRACTICE.

2. CLEAN COURSE SAND, WELL GRADED GRAVEL OR WELL CRUSHED ROCK SHALL BE USED AS TRENCH BEDDING. THE TRENCH SHALL BE FILLED WITH THIS MATERIAL UP TO THE SPRING LINE OF THE PIPE, PLACED IN 6" MAXIMUM LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY ASTM D-1557. THE REMAINDER OF THE TRENCH SHALL BE BACKFILLED WITH SPECIFIC BACKFILL MATERIAL. REFER TO SOILS REPORT.

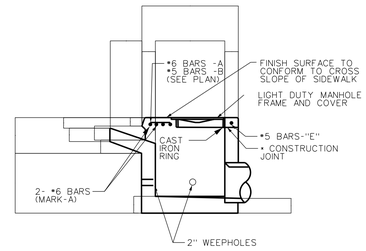
GENERAL NOTES:

1. WHERE DIRECTION OF FLOW IS FROM EACH END OF INLET, SIDE WING OPENINGS (AS SHOWN ON THIS SIDE ONLY ON THIS DRAWING) SHALL BE CONSTRUCTED AT EACH END OF INLET, FOR EACH INLET SO CONSTRUCTED. PAYMENT WILL BE MADE UNDER ITEM INLETS TYPE-S (TWO WINGS), WHERE ONE WING ONLY IS CONSTRUCTED PAYMENT WILL BE MADE UNDER ITEM INLETS TYPE-S (ONE WING).

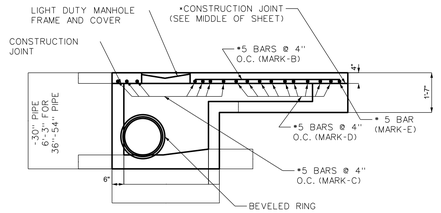
2. 2" MINIMUM WEEP HOLES SHALL BE CONSTRUCTED IN INLETS AS DIRECTED BY THE ENGINEER TO FACILITATE SUBGRADE DRAINAGE.

3. TO ACCOMMODATE SKEWED PIPE OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN VIEW DIMENSIONS OF INLET BOX AND COVER SLAB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRESPONDING INCREASE IN MATERIALS AND OTHER COSTS WHERE CHANGES IN DIMENSION ARE REQUIRED.

4. INLET WITH BOX SIZED FOR 15"-30" PIPE SHALL BE DESIGNATED AS TYPE S3. FOR 36"-54" PIPE AS TYPE S4.



SECTION "AA"
N.T.S.



SECTION "DD"
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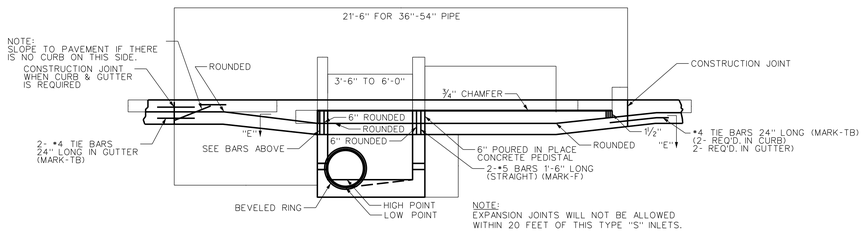
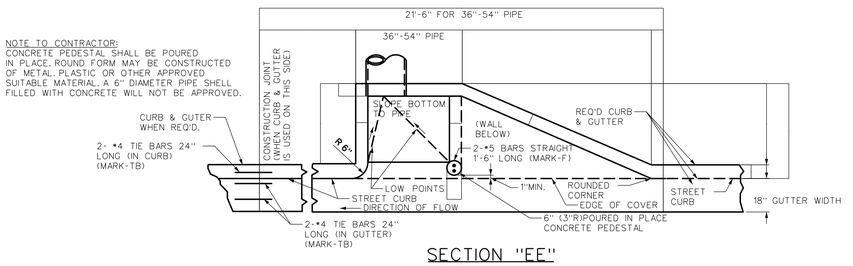


SECTION "CC"
N.T.S.

PIPE CONNECTIONS:
PIPE MAY CONNECT WITH INLETS FROM ANY DIRECTION AND AS MANY CONNECTIONS MAY BE MADE AS NECESSARY.

NOTE TO CONTRACTOR:
CONCRETE PEDESTAL SHALL BE POURED IN PLACE. ROUND FORM MAY BE CONSTRUCTED OF METAL, PLASTIC OR OTHER APPROVED SUITABLE MATERIAL. A 6" DIAMETER PIPE SHELL FILLED WITH CONCRETE WILL NOT BE APPROVED.



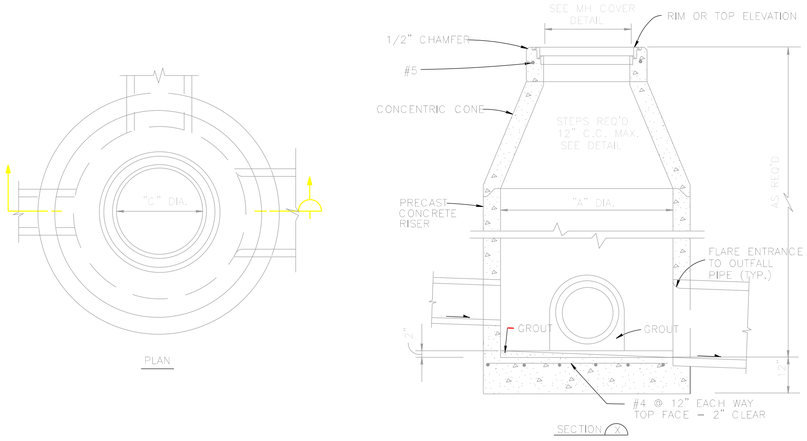
SECTION "EE"
N.T.S.

CHAMBLISS ENGINEERING
356 Highway 82 West
Prattville, AL 36067
(334) 491-2323

AS-BUILT

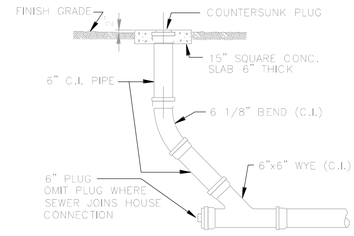
THE SHOPS AT
The Exchange at HomePlace
Prattville, Alabama

DATE
8/27/2019
PROJECT NO.
019-19-116
DESIGNED
CLC
DRAWN
CCJ
APPROVED
CLC
SCALE
NONE
SHEET TITLE
STORM SEWER DETAILS
SHEET NO.
06



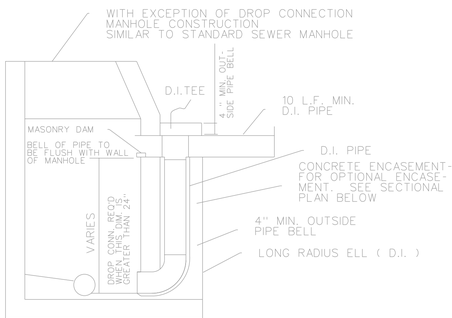
TYPICAL PRECAST CONCENTRIC MANHOLE DETAIL

N.T.S.



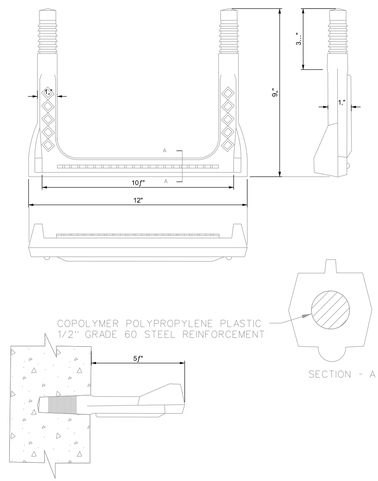
CLEANOUT TO GRADE

N.T.S.



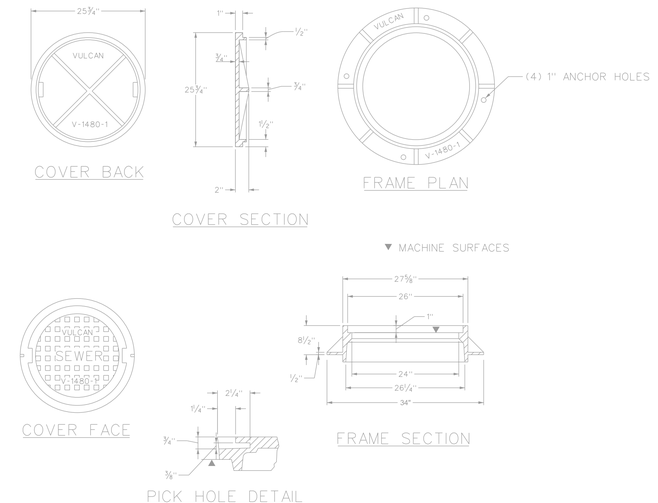
DETAIL OF DROP CONNECTION AT MANHOLE

N.T.S.



TYPICAL MANHOLE STEP

N.T.S.



HEAVY DUTY MANHOLE FRAME & COVER

N.T.S.

NOTES: BACKFILL SANITARY SEWER MAINS AND LATERALS WITH SAND TO 1' ABOVE THE PIPES.
PROVIDE AND INSTALL A RAINSTOPPER (OR APPROVED EQUAL) HDPE INFLOW COVER FOR ALL SANITARY SEWER MANHOLES.

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THE SHOPS AT The Exchange at HomePlace

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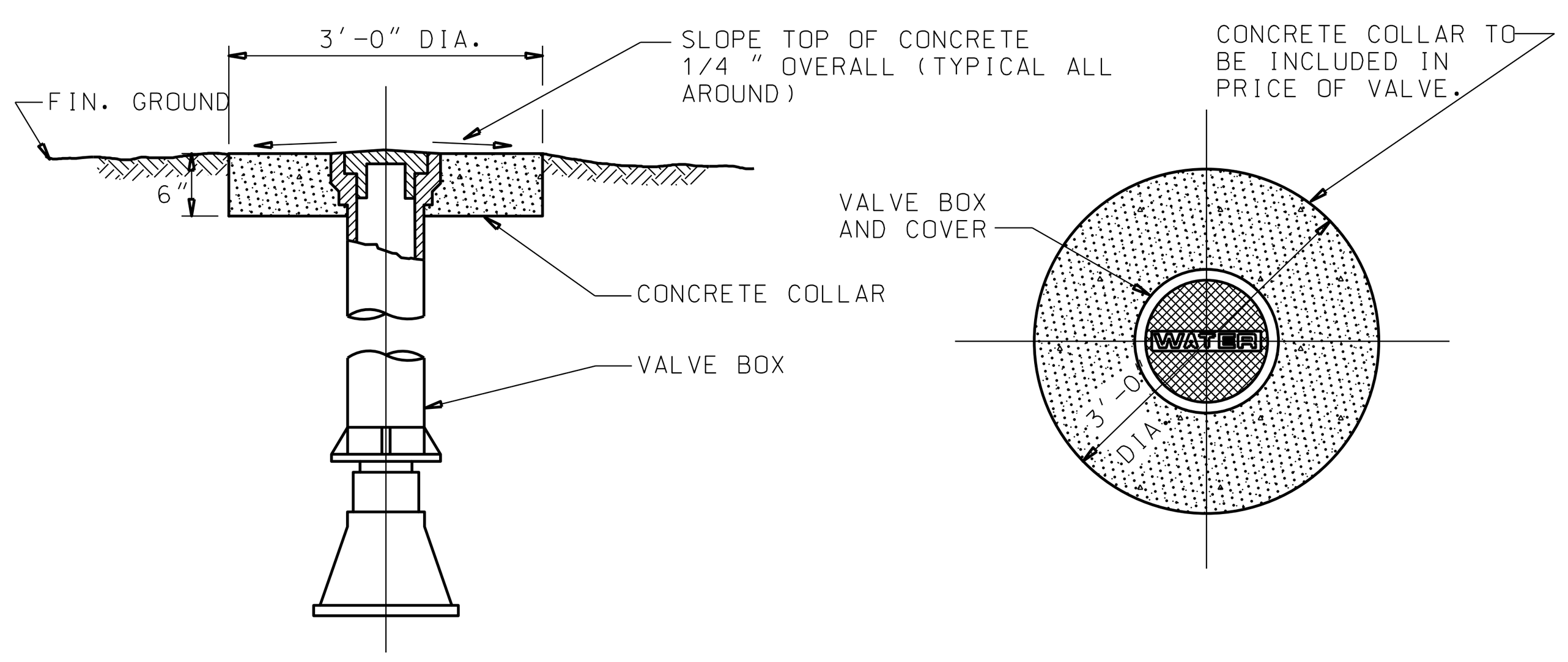
PROJECT NO.	019-19-116
DESIGNED	CLC
DRAWN	CCJ
APPROVED	CLC
SCALE	NONE

SHEET TITLE

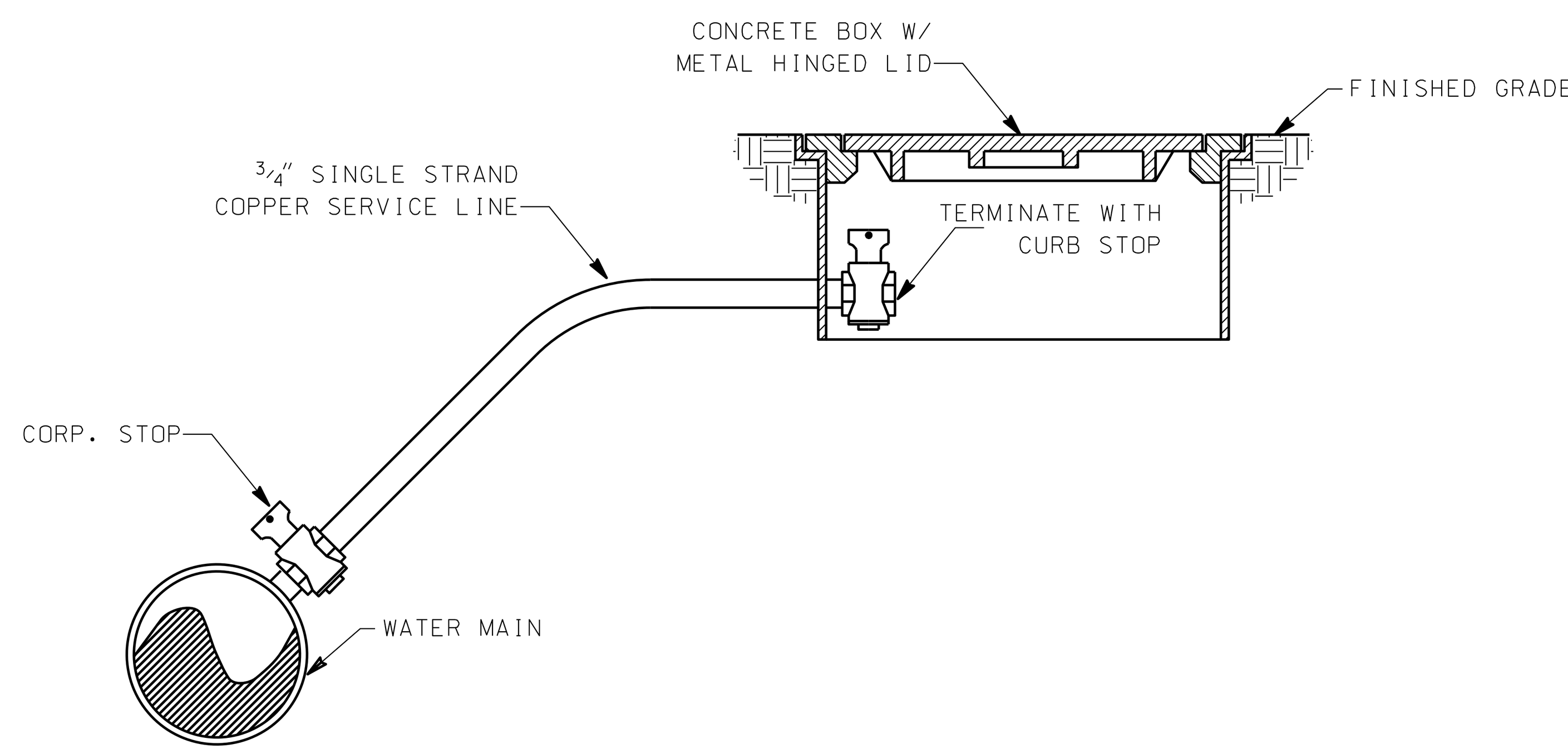
SANITARY SEWER DETAILS

SHEET NO.

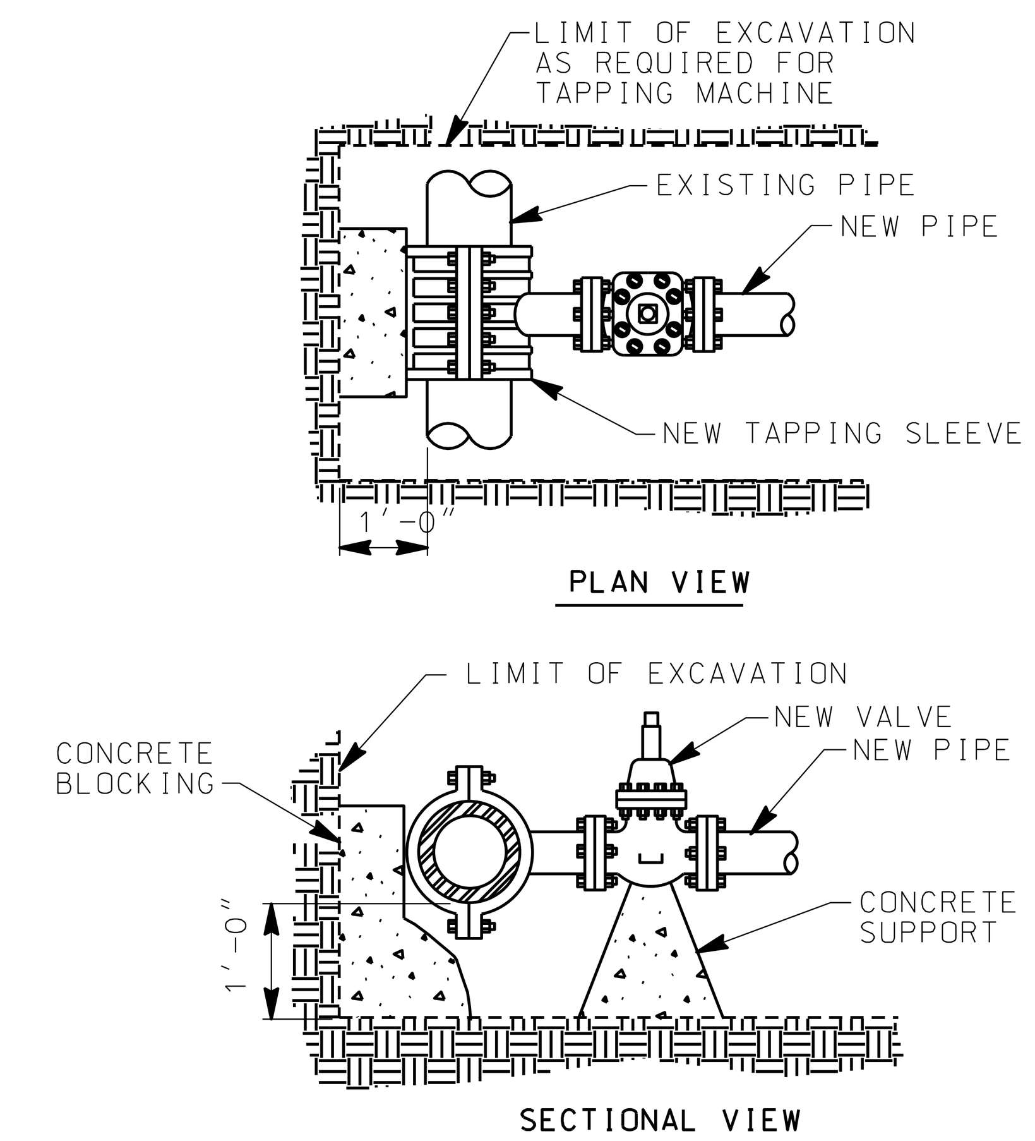
07



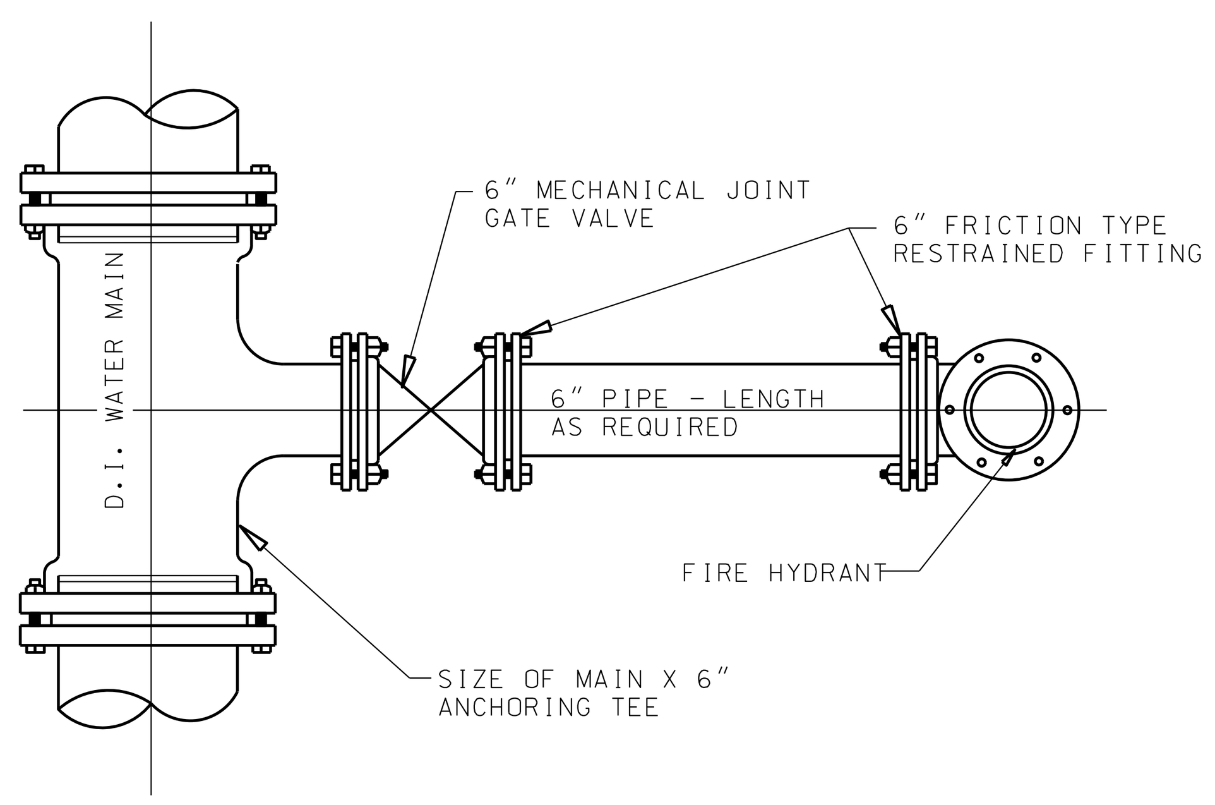
VALVE BOX COLLAR DETAIL
N.T.S.



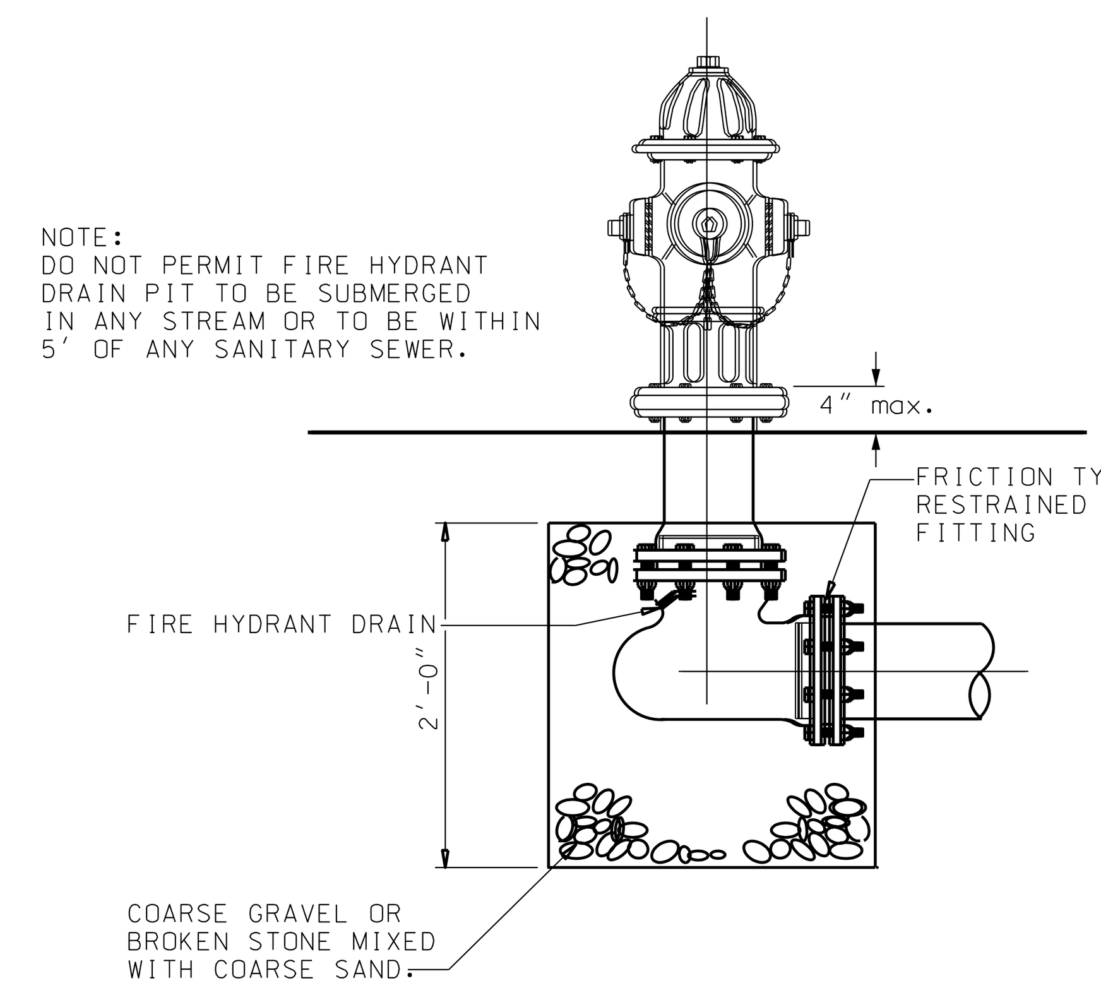
TYPICAL 3/4" WATER SERVICE
N.T.S.



TAPPING SLEEVE AND VALVE INSTALLATION DETAIL
N.T.S.

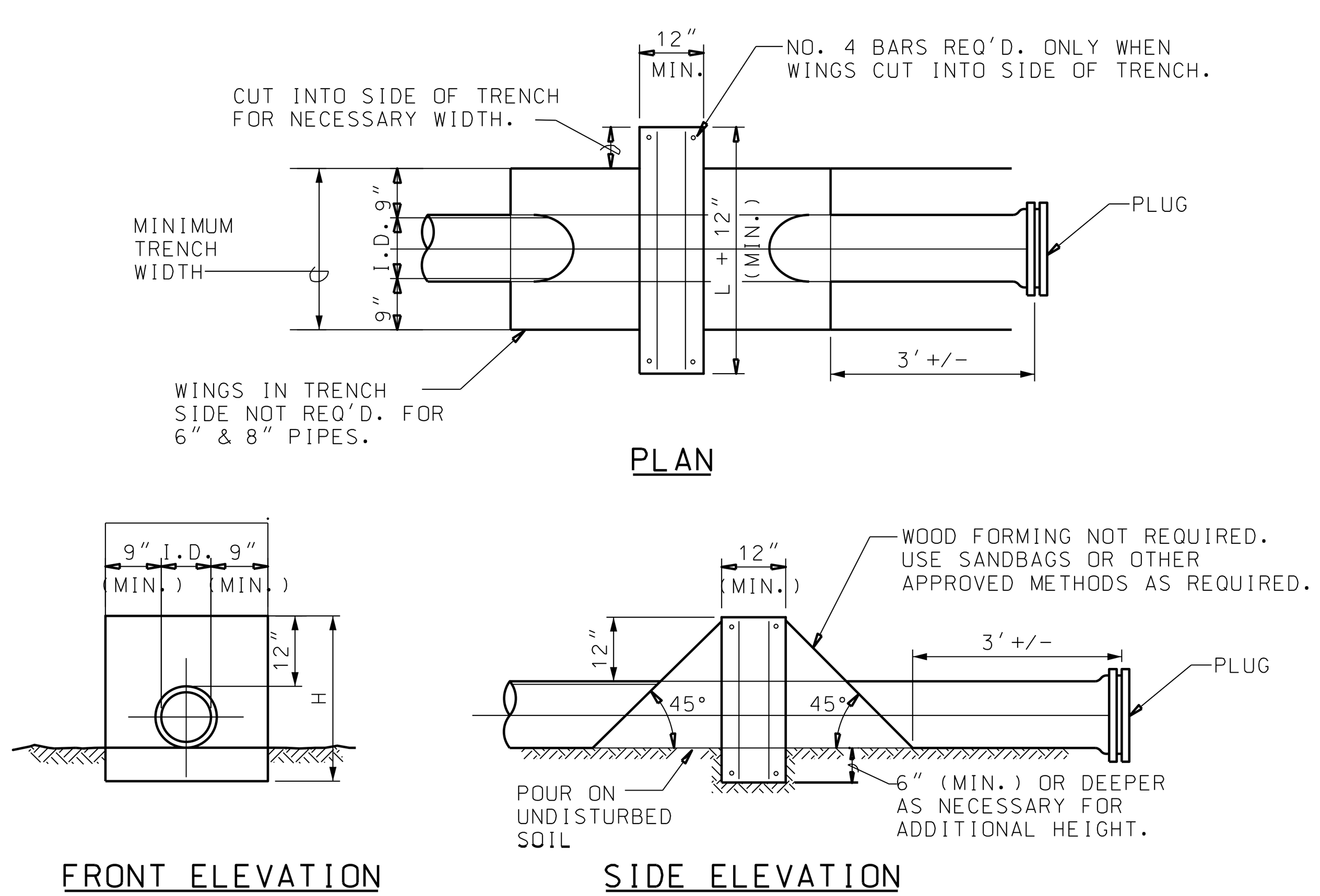


FIRE HYDRANT CONNECTION TO WATER MAIN (TYPICAL)
N.T.S.

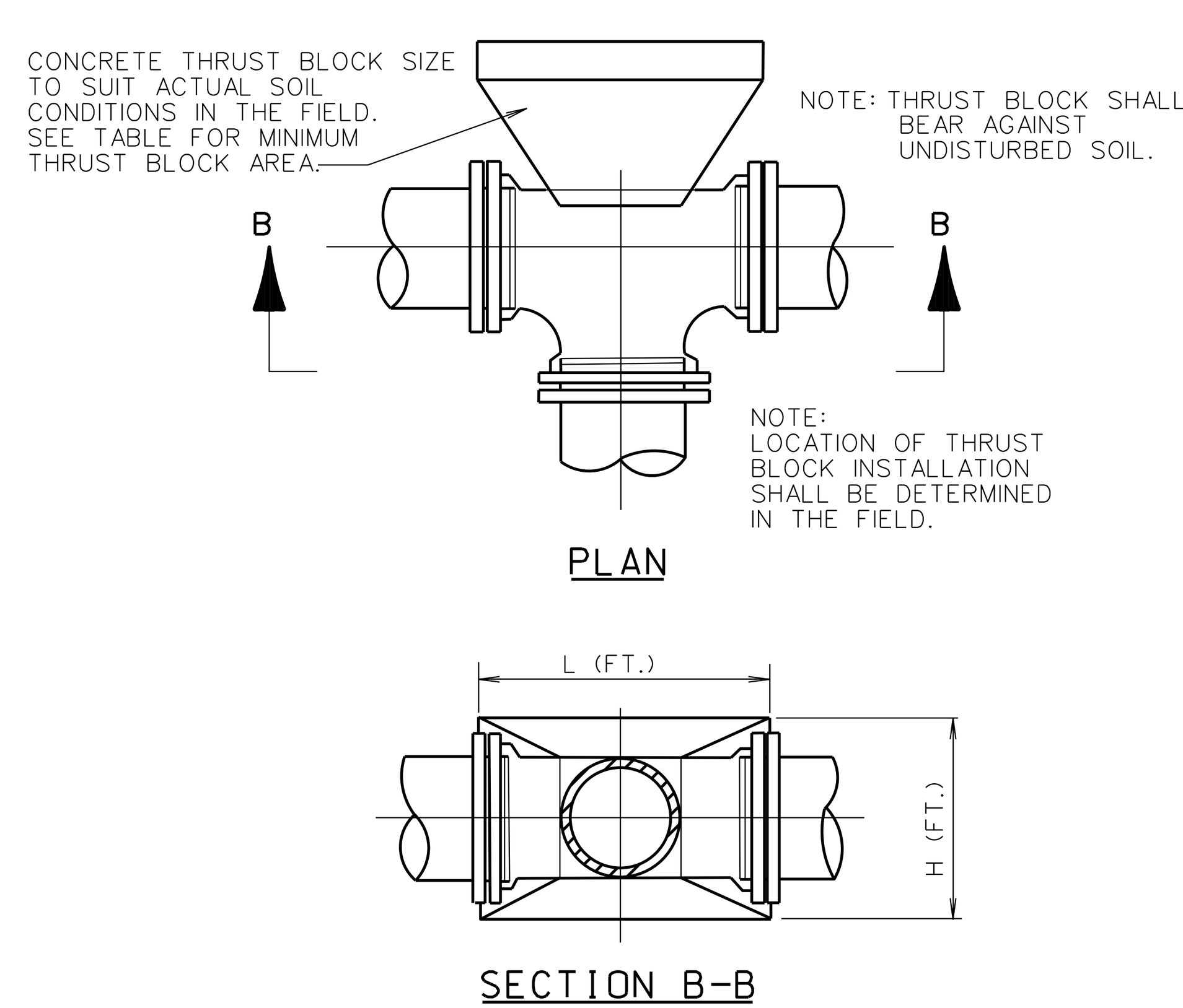


TYPICAL FIRE HYDRANT DRAIN PIT
N.T.S.

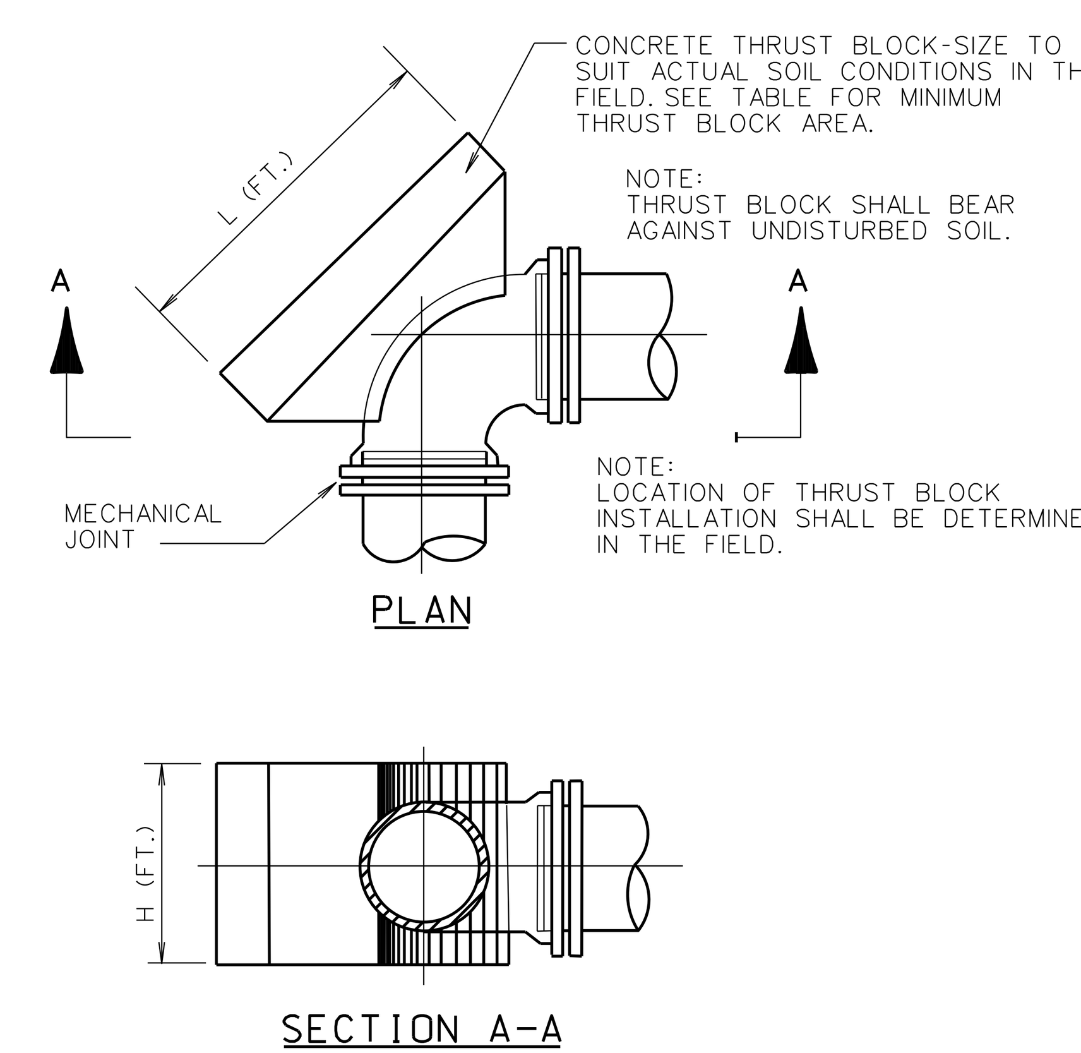
TYPICAL THRUST BLOCKS MINIMUM THRUST BLOCK AREA SQ. FT. L (FT.) X H (FT.)			
INSIDE DIA. PIPE LINE IN INCHES	90° BENDS	TEES, DEAD ENDS, OR 45° BENDS	22 ½° BENDS
6"	3.0	2.2	1.0
8"	5.5	4.0	1.5
10"	8.5	6.0	2.5
12"	12.0	9.0	3.5
16"	22.0	16.0	6.0
18"	27.0	20.0	8.0
20"	34.0	24.0	10.0
24"	48.0	34.0	14.0
30"	75.0	53.0	21.0



CONCRETE CROSS ANCHOR BLOCK DETAILS
N.T.S.



TYPICAL THRUST BLOCK DETAIL FOR TEES
N.T.S.



TYPICAL THRUST BLOCK DETAIL FOR BENDS
N.T.S.

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THE SHOPS AT
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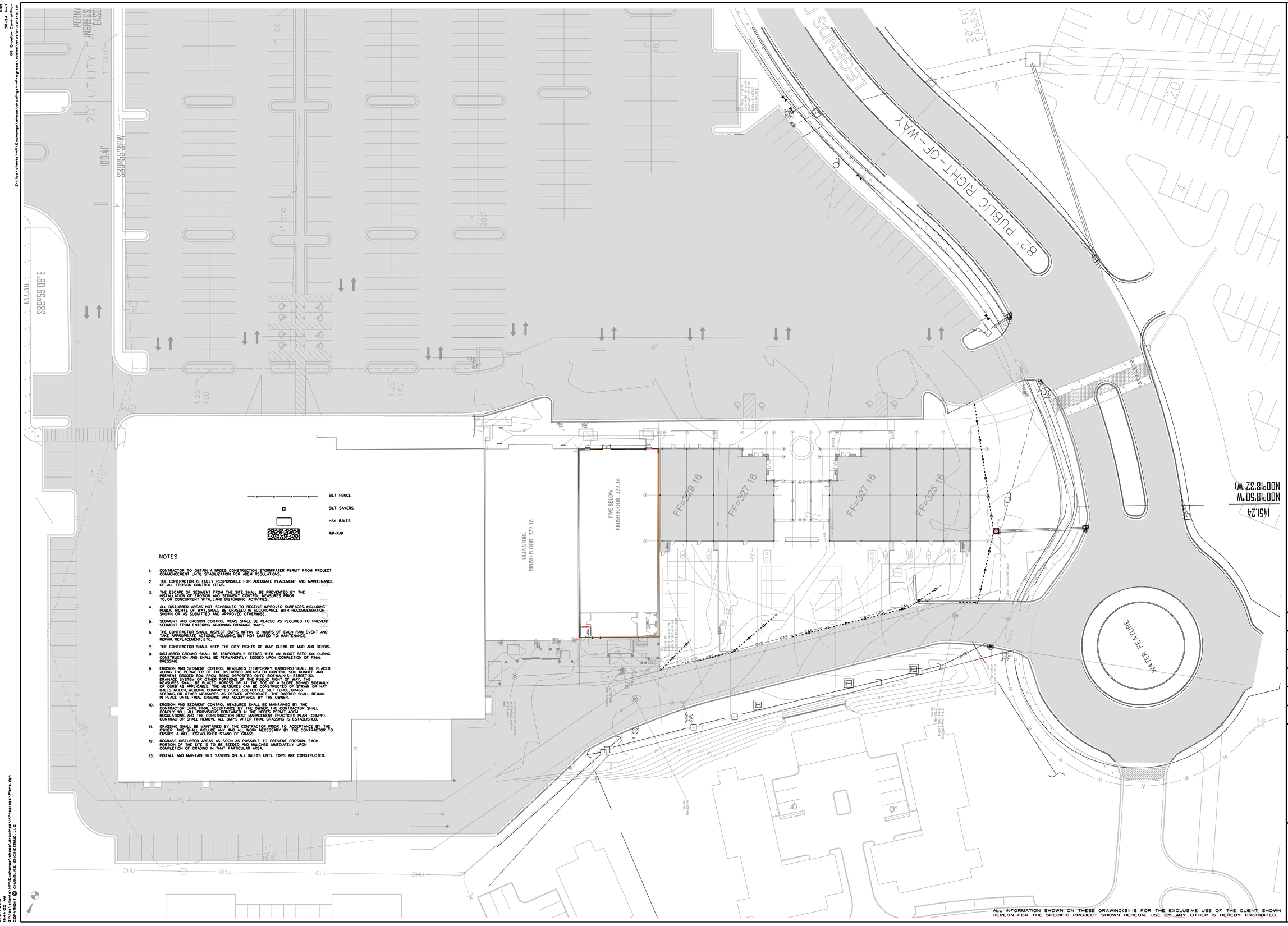
DATE	8/27/2019
PROJECT NO.	019-19-116
DESIGNED	CLC
DRAWN	CCJ
APPROVED	CLC
SCALE	NONE
SHEET TITLE	WATER DETAILS
SHEET NO.	08



NOTES

1. CONTRACTOR TO OBTAIN A NPDES CONSTRUCTION STORMWATER PERMIT FROM PROJECT COMMENCEMENT UNTIL STABILIZATION PER ADEM REGULATIONS.
2. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ADEQUATE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL ITEMS.
3. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
4. ALL DISTURBED AREAS NOT SCHEDULED TO RECEIVE IMPROVED SURFACES, INCLUDING PUBLIC RIGHTS OF WAY, SHALL BE GRASSED IN ACCORDANCE WITH RECOMMENDATIONS SHOWN OR AS SUBMITTED AND APPROVED OTHERWISE.
5. SEDIMENT AND EROSION CONTROL ITEMS SHALL BE PLACED AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING ADJOINING DRAINAGE WAYS.
6. THE CONTRACTOR SHALL INSPECT BMP'S WITHIN 12 HOURS OF EACH RAIN EVENT AND TAKE APPROPRIATE ACTIONS, INCLUDING, BUT NOT LIMITED TO: MAINTENANCE, REPAIR, REPLACEMENT, ETC.
7. THE CONTRACTOR SHALL KEEP THE CITY RIGHTS OF WAY CLEAR OF MUD AND DEBRIS.
8. DISTURBED GROUND SHALL BE TEMPORARILY SEEDED WITH AN ALLOOT SEED MIX DURING CONSTRUCTION AND SHALL BE PERMANENTLY SEEDED UPON COMPLETION OF FINAL DRESSING.
9. EROSION AND SEDIMENT CONTROL MEASURES (TEMPORARY BARRIERS) SHALL BE PLACED ALONG THE PERIMETER OF THE DISTURBED AREA(S) TO CONTROL SOIL RUNOFF AND PREVENT ERODED SOIL (FROM BEING DEPOSITED ONTO SIDEWALK(S), STREET(S), WATERWAYS, STORM DRAINS, AND ADJACENT PROPERTIES. THESE TEMPORARY MEASURES SHALL BE PLACED ACROSS CUT AT THE TOE OF SLOPE, BEHIND SIDEWALK OR CURB AS APPLICABLE. THE MEASURES CAN BE CONSTRUCTED OF STRAW OR HAY BALES, MULCH, MESHING, COMPACTED SOIL, GEOTEXTILE SILT FENCE, GRASS SEEDING, OR OTHER MEASURES AS DEEMED APPROPRIATE. THE BARRIER SHALL REMAIN IN PLACE UNTIL FINAL GRADING AND ACCEPTANCE BY THE OWNER.
10. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL COMPLY WILL ALL PROVISIONS CONTAINED IN THE NPDES PERMIT, ADEM REGULATIONS, AND THE CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP). CONTRACTOR SHALL REMOVE ALL BMP'S AFTER FINAL GRASSING IS ESTABLISHED.
11. GRASSING SHALL BE MAINTAINED BY THE CONTRACTOR PRIOR TO ACCEPTANCE BY THE OWNER. THIS SHALL INCLUDE ANY AND ALL WORK NECESSARY BY THE CONTRACTOR TO ENSURE A WELL ESTABLISHED STAND OF GRASS.
12. REGRASS DISTURBED AREAS AS SOON AS POSSIBLE TO PREVENT EROSION. EACH PORTION OF THE SITE IS TO BE SEEDED AND MULCHED IMMEDIATELY UPON COMPLETION OF GRADING IN THAT PARTICULAR AREA.
13. INSTALL AND MAINTAIN SILT SAVERS ON ALL INLETS UNTIL TOPS ARE CONSTRUCTED.

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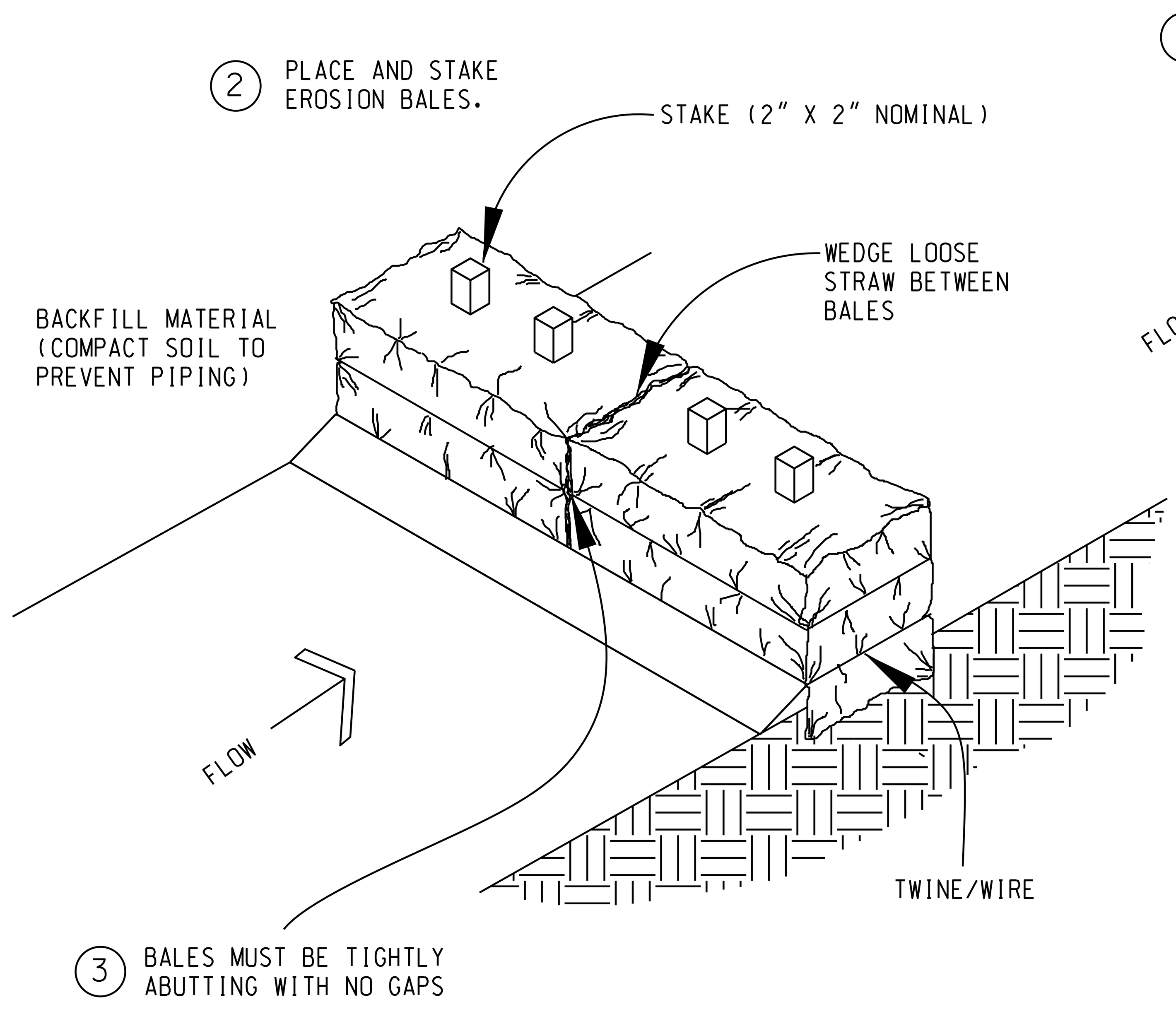
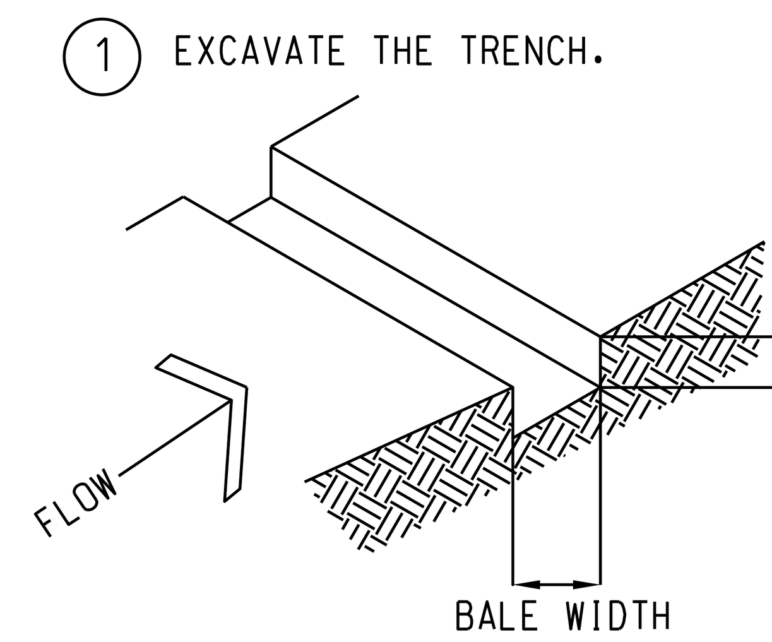
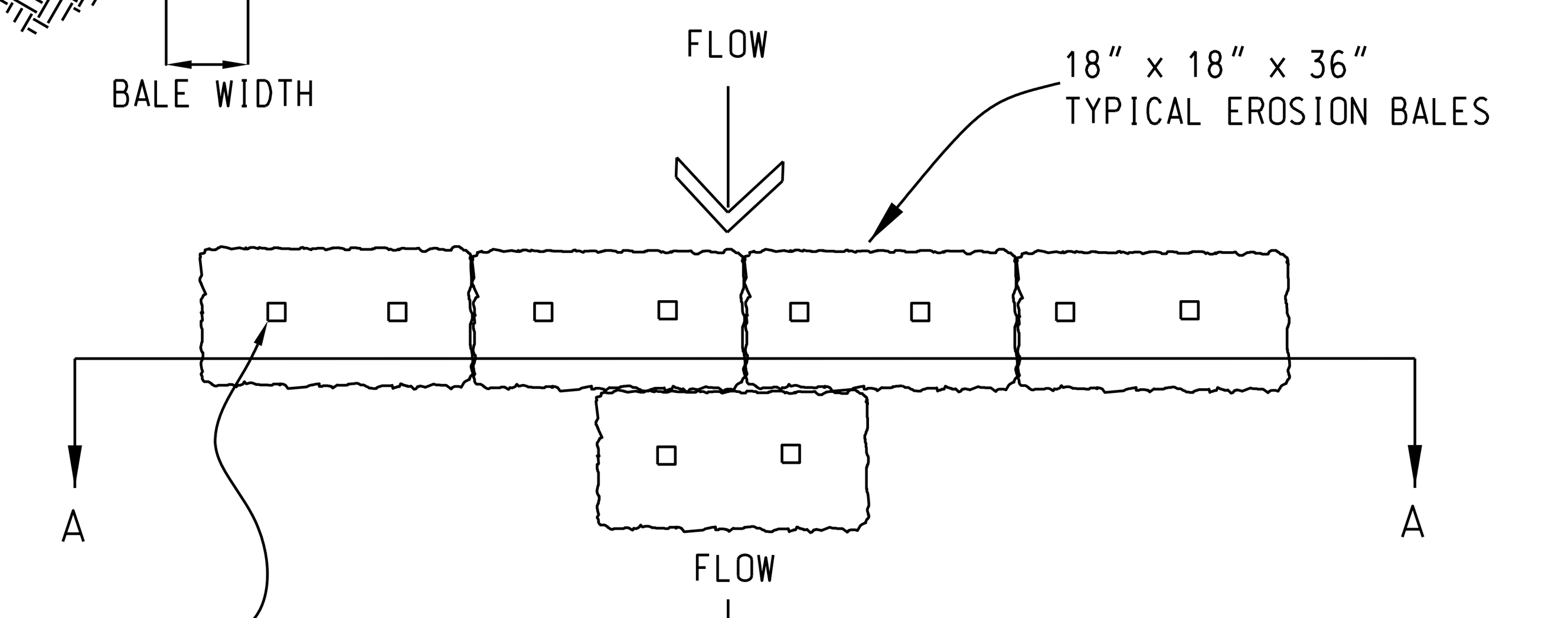
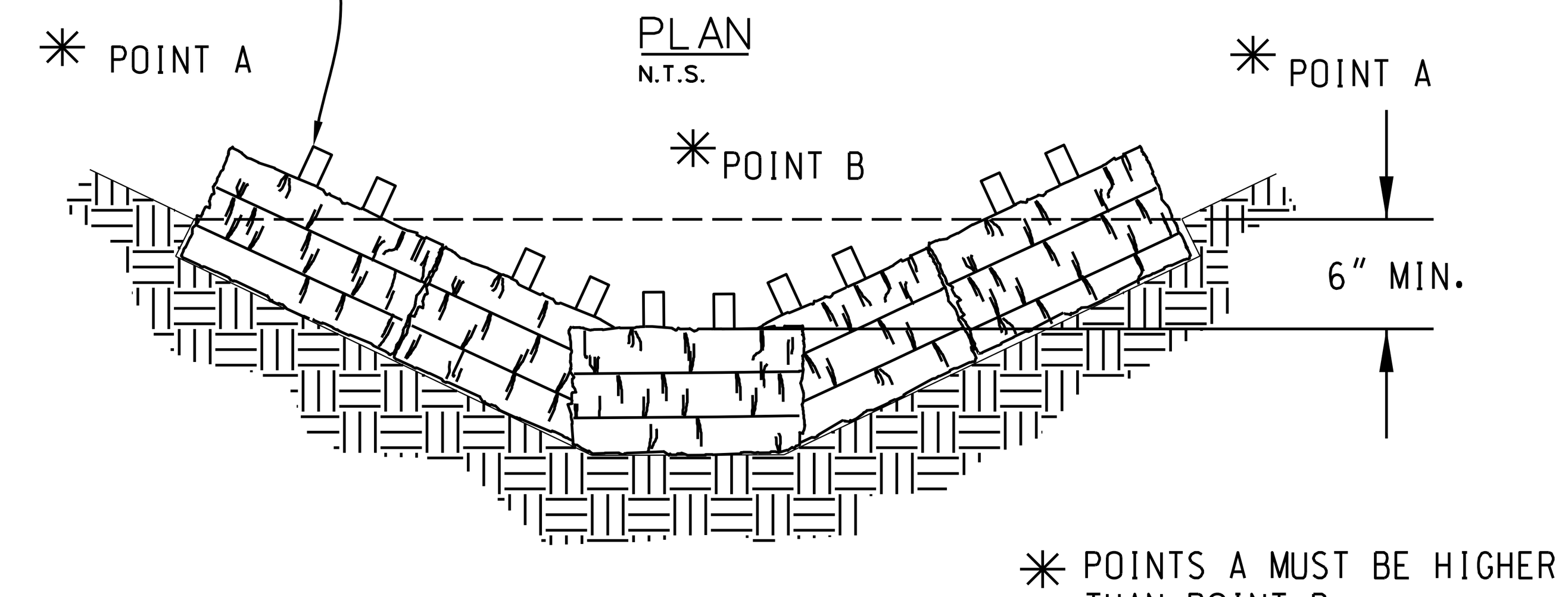
DRAWN	CCJ
APPROVED	CLC
SCALE	SHOWN
SHEET TITLE	EROSION CONTROL PLAN
SHEET NO.	09



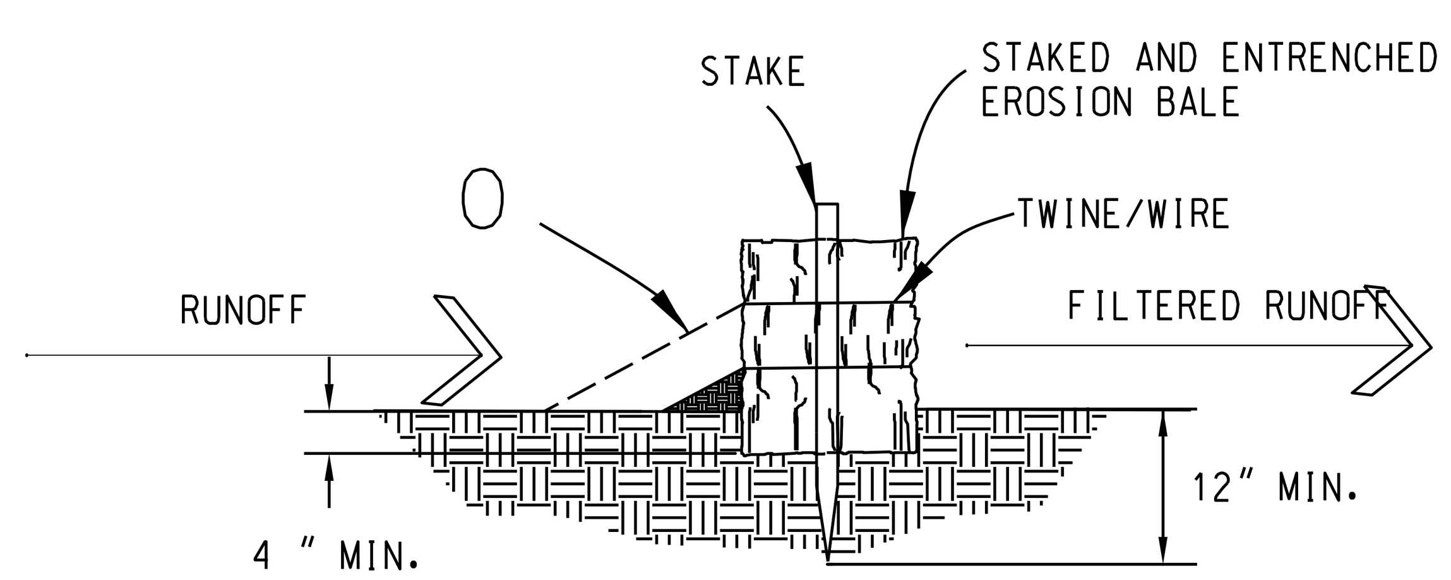




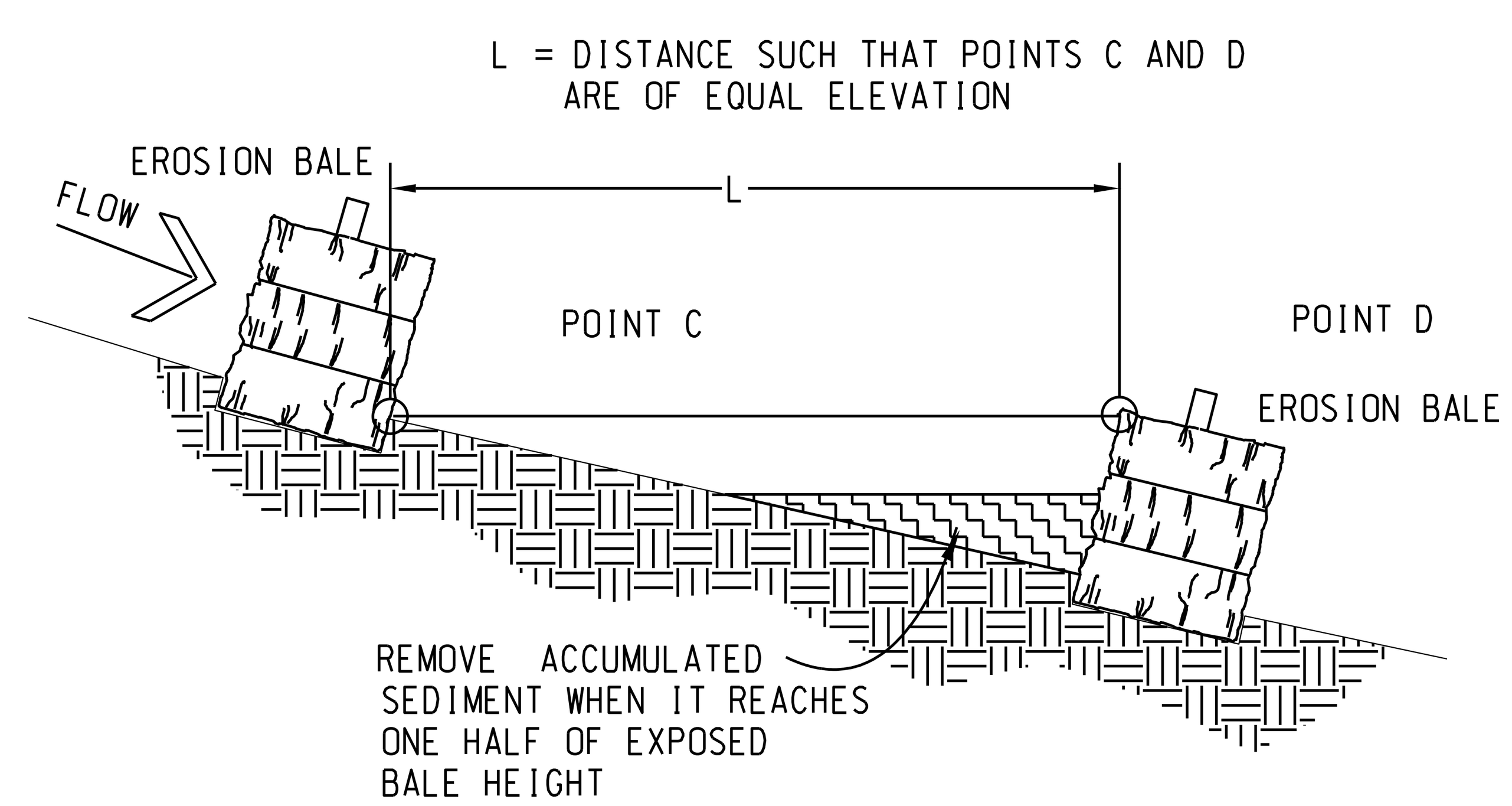
PLAN
N.T.S.



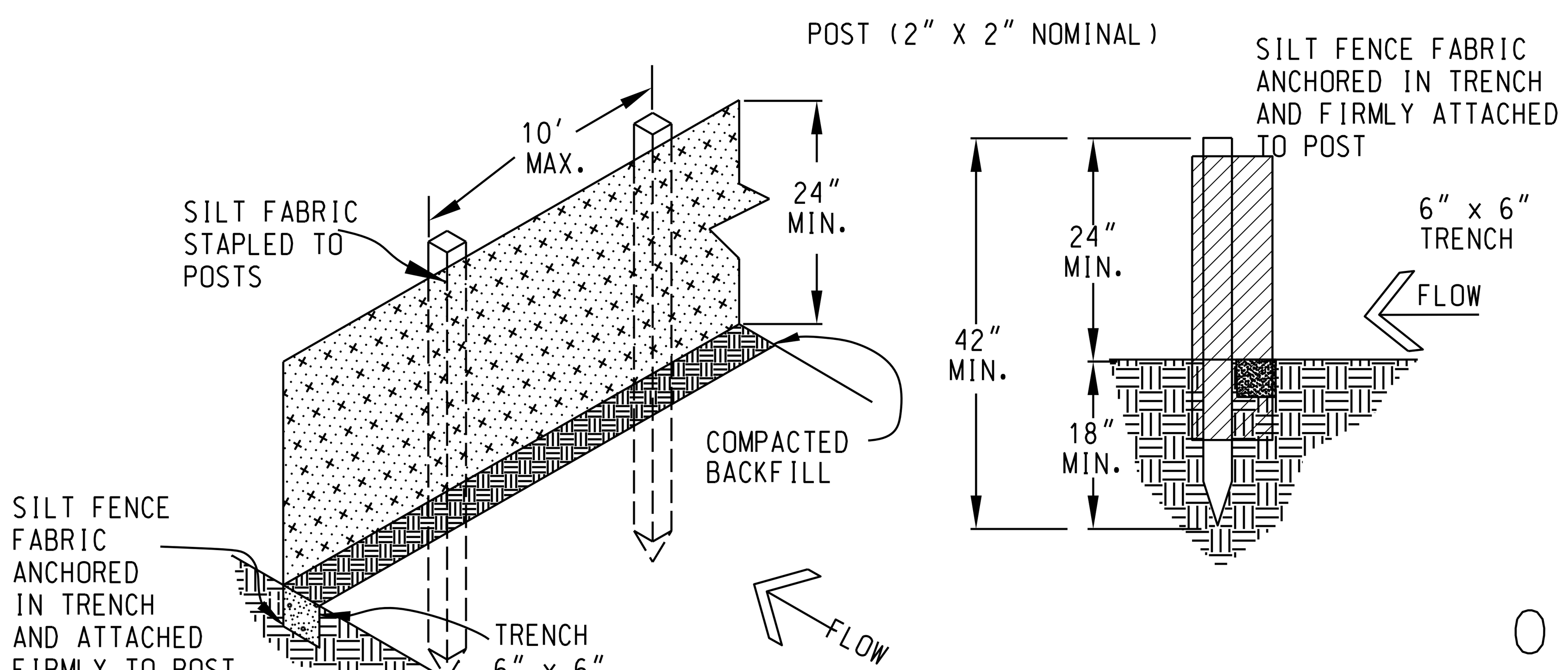
SECTION A-A
N.T.S.



EROSION BALE TRENCHING AND STAKING (TYP)
N.T.S.



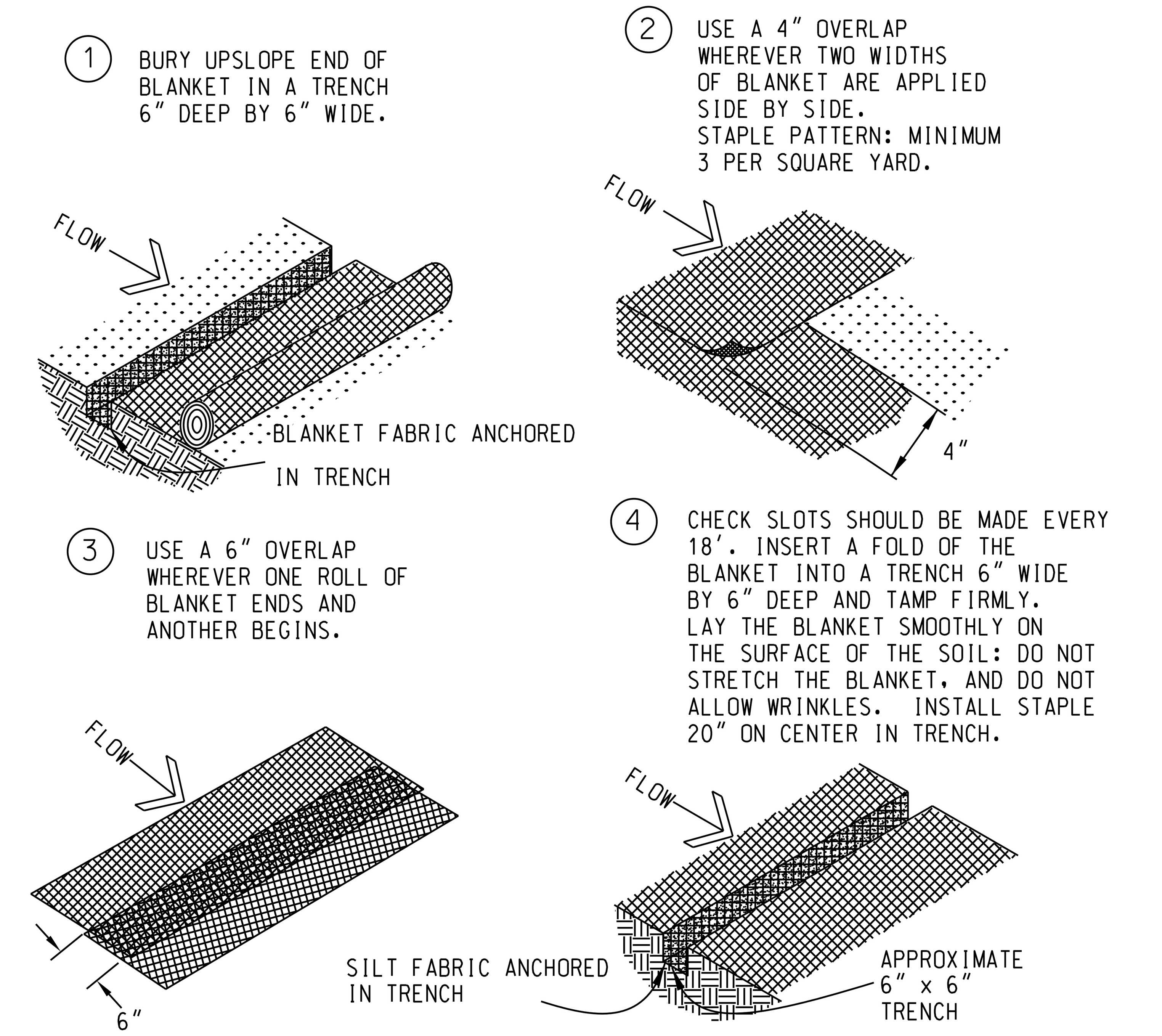
CHANNEL PROFILE
SPACING BETWEEN EROSION BALES
N.T.S.

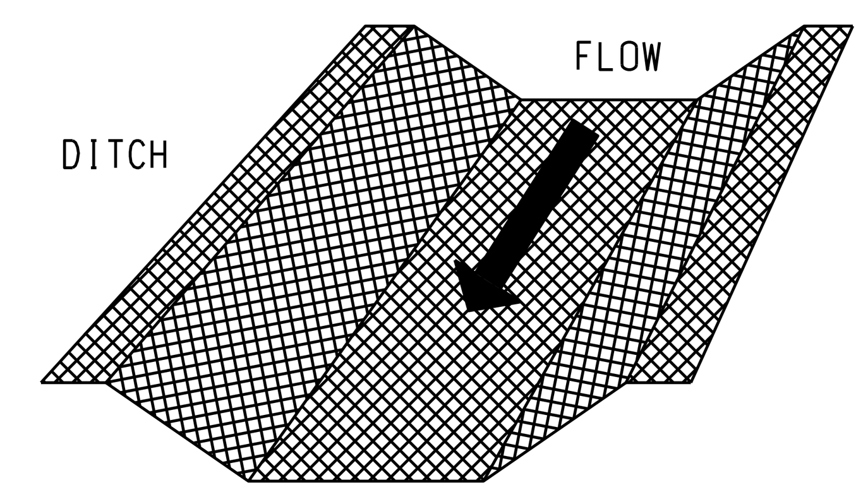


SILT FENCE
N.T.S.

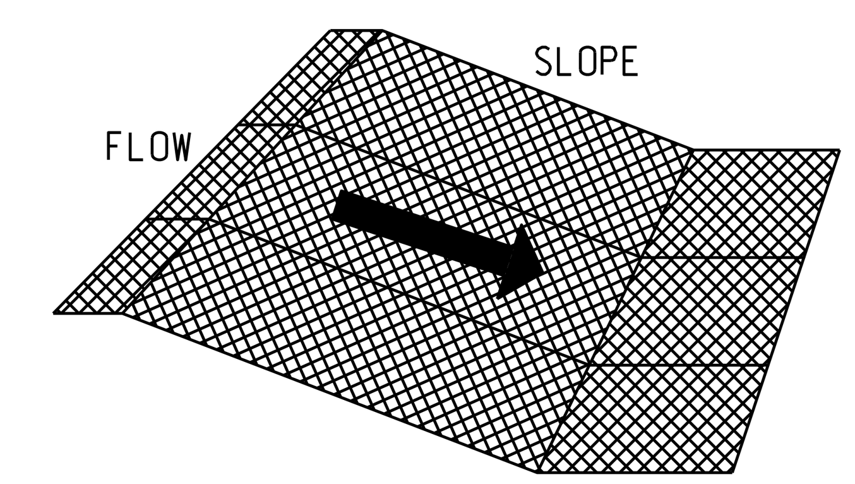
O SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY FOR PROPER FUNCTION.

NOTE: EROSION CONTROL NETTING, SILT FENCING, AND HAY BALES ARE TO BE PLACED AS DIRECTED BY THE ENGINEER.





PLACE BLANKET PARALLEL TO THE DIRECTION OF FLOW. DO NOT JOIN STRIPS IN THE CENTER OF THE DITCH. USE CHECK SLOTS AS REQUIRED.



LEVEL AREA BEFORE TERMINATING THE INSTALLATION.

EROSION CONTROL NETTING
(SOIL RETENTION BLANKETS)
N.T.S.

SEE SPECIFICATIONS OR PLANS FOR MORE DETAIL

NOTE: EROSION CONTROL NETTING, SILT FENCING, AND HAY BALES ARE TO BE PLACED AS DIRECTED BY THE ENGINEER.

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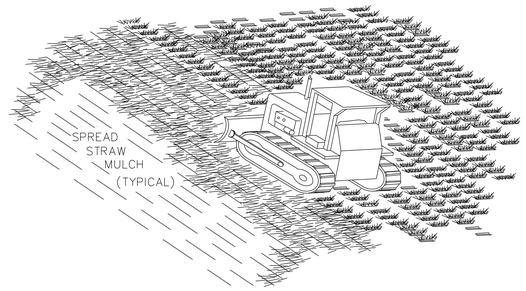
SHEET TITLE	EROSION CONTROL DETAILS
SHEET NO.	10

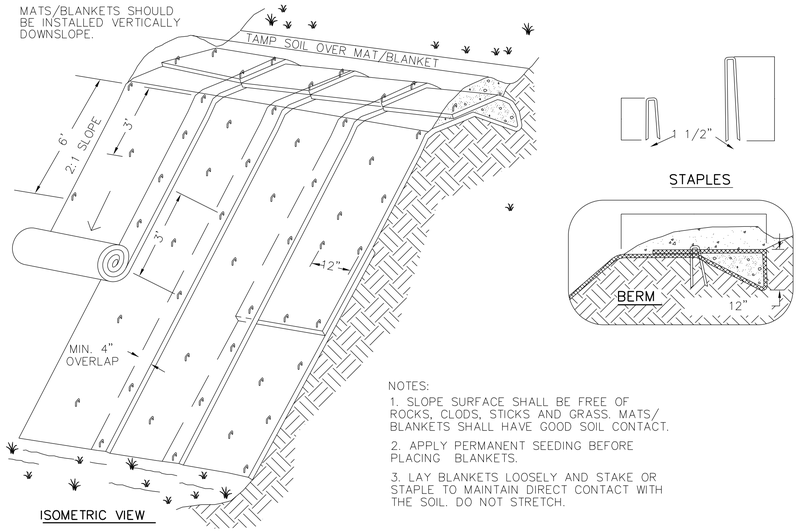


*TRACKING' WITH MACHINERY ON SANDY SOIL PROVIDES ROUGHENING WITHOUT UNDUE COMPACTION.

NOTES:

1. ROUGHEN SLOPE WITH BULLDOZER
2. BROADCAST SEED AND FERTILIZER.
3. SPREAD STRAW MULCH 3" THICK. (2 1/2 TONS PER ACRE)
4. PUNCH STRAW MULCH INTO SLOPE BY RUNNING BULLDOZER UP AND DOWN SLOPE.

STRAW ANCHORING
N.T.S.

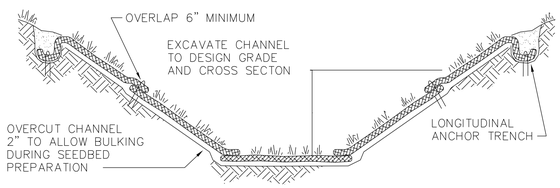


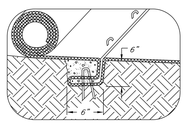
NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

TYPICAL SLOPE SOIL STABILIZATION

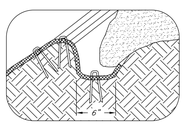
EROSION BLANKETS & TURF REINFORCEMENT MATS SLOPE INSTALLATION
N.T.S.



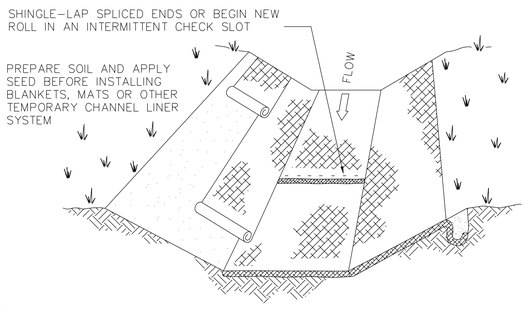


INTERMITTENT CHECK SLOT

TYPICAL INSTALLATION WITH EROSION CONTROL BLANKETS OR TURF REINFORCEMENT MATS



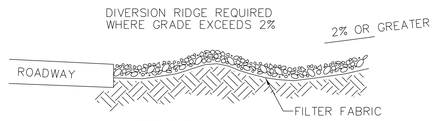
LONGITUDINAL ANCHOR TRENCH



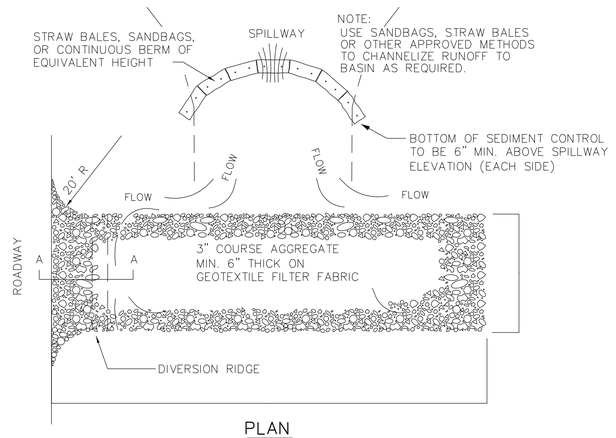
NOTES:
1. DESIGN VELOCITIES EXCEEDING 2 FT/SEC REQUIRE TEMPORARY BLANKETS, MATS OR SIMILAR LINERS TO PROTECT SEED AND SOIL UNTIL VEGETATION BECOMES ESTABLISHED.

2. GRASS-LINED CHANNELS WITH DESIGN VELOCITIES EXCEEDING 6 FT/SEC SHOULD INCLUDE TURF REINFORCEMENT MATS.

GRASS-LINED CHANNEL TYPICAL INSTALLATION
N.T.S.



SECTION A – A



PLAN

NOTE:
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT
N.T.S.

CHAMBLISS ENGINEERING
356 Highway 82 West
Prattville, AL 36067
(334) 491-2323

AS-BUILT

THE SHOPS AT The Exchange at HomePlace
Prattville, Alabama

DATE	8/27/2019
PROJECT NO.	019-19-116
DESIGNED	CLC
DRAWN	CCJ
APPROVED	CLC
SCALE	NONE
SHEET TITLE	EROSION CONTROL DETAILS
SHEET NO.	11

GENERAL NOTES

1. GEOTECHNICAL INFORMATION
1.1. A GEOTECHNICAL SUB-SURFACE INVESTIGATION HAS NOT BEEN PERFORMED FOR THIS PROJECT. FOUNDATION DESIGN IS BASED ON SUSPECTED SUB-SURFACE CONDITIONS TYPICAL FOR THE AREA. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE OF 2000 PSF. THE CONTRACTOR SHALL VERIFY THE CAPABILITY OF THE SOIL STRATA TO SUPPORT FOUNDATIONS PRIOR TO ERECTING THE BUILDING ON THE SITE. FOUNDATION SHALL EXTEND TO A MINIMUM OF FROST PENETRATION DEPTH, TO A DEPTH WHERE SOIL MOISTURE CONTENT DOES NOT FLUCTUATE, A MINIMUM DEPTH OF 24" INTO ORIGINAL SOIL AND A MINIMUM DEPTH TO ACHIEVE 2000 PSF BEARING CAPACITY (WHICHEVER IS GREATER). NOTIFY THE ENGINEER SHOULD ANY UNUSUAL SOIL CONDITIONS BE ENCOUNTERED.

2. FOUNDATIONS:
2.1. THE "CONTROLLED AREA" SHALL EXTEND BENEATH AND 5 FEET BEYOND THE BUILDING AREA. THE "CONTROLLED AREA" SHALL BE COMPLETELY STRIPPED AND ALL SURFACE VEGETATION, ORGANIC FILL OR TOPSOIL, DEBRIS AND ANY OTHER
2.2. THE SUBGRADE ELEVATIONS SHALL BE ESTABLISHED BY CONSTRUCTION OF AN ENGINEERED FILL USING SUITABLE FILL EARTH AND PLACED IN LIFTS NOT TO EXCEED 8". THE SUBGRADE SHALL BE DENSIFIED TO 98% (MIN.) STANDARD DENSITY (ASTM D-698A). VERIFYING IN-PLACE DENSITY TESTS ARE REQUIRED.
2.3. THE CONTRACTOR SHALL DE-WATER THE AREA OF THE BUILDING FOOTPRINT AS REQUIRED TO PREVENT PONDIING OF WATER IN THE FOOTING TRENCHES AND SLAB AREAS DURING EXCAVATION AND PRIOR TO CASTING FOOTINGS.
2.4. ASSUMED BEARING CAPACITY AS LISTED BELOW SHALL BE VERIFIED PRIOR TO CASTING FOOTINGS.
2.5. FOUNDATION DESIGN PARAMETERS:
2.5.1. ALLOWABLE BEARING CAPACITY CONTINUOUS SPREAD FOOTING ---------- 2000 PSF
2.5.2. ALLOWABLE BEARING CAPACITY ISOLATED SPREAD FOOTING ---------- 2000 PSF
2.5.3. MINIMUM PERIMETER FOOTING BEARING DEPTH BELOW OUTSIDE FINISH GRADE ---------- 24"
2.5.4. MINIMUM INTERIOR FOOTING BEARING DEPTH BELOW FINISH FLOOR ELEVATION ---------- 12"

3. CONCRETE:
3.1. CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE (ACI 318).
3.2. CONCRETE SHALL HAVE THE FOLLOWING COMPRESSIVE STRENGTH (f'c) AT 28 DAYS BASED UPON ITS USE:
3.2.1. FOOTINGS, SLABS ON GRADE --------- 3000 PSI (MIN.)
3.3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
3.4. WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A 185.
3.4.1. SLABS ON GRADE SHALL BE REINFORCED AS INDICATED ON PLANS W.W.F. PLACED AT 1/3 SLAB THICKNESS FROM TOP.
3.5. CAST IN PLACE ANCHOR RODS SHALL CONFORM TO ASTM F 1554 GR. 36.
3.6. MINIMUM CONCRETE COVER, (UNLESS OTHERWISE NOTED ON DRAWINGS) FOR REINFORCING SHALL BE:
3.6.1. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH --------- 3 IN.
3.6.2. EXPOSED TO EARTH OR WEATHER ---------- 2 IN.
3.7. LAP ALL CONTINUOUS REINFORCEMENT 30 BAR DIAMETER MINIMUM, UNLESS NOTED OTHERWISE.
3.8. AT EXTERIOR BUILDING CORNERS FOOTINGS, PROVIDE 3'-0" X 3'-0" CORNER BARS, SAME SIZE AND NUMBER AS DETAILED HORIZONTAL BARS.
3.9. DOWEL ALL FOOTINGS WHERE THEY ABUT WITH SAME REINFORCEMENT AS DETAILED HORIZONTALLY AND WITH 2'-0" MINIMUM LAP.
3.10. CAST IN PLACE CONCRETE WALLS ARE UNSTABLE AND REQUIRE TEMPORARY CONSTRUCTION BRACING UNTIL INSTALLATION OF PERMANENT CONNECTION . TEMPORARY CONSTRUCTION BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR
3.11. SUBMITTALS
3.11.1. CONCRETE MIX DESIGNS
3.11.1.1. SUBMITTALS SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 318 (LATEST EDITIONS) PRIOR TO COMMENCEMENT OF CONCRETE WORK.
3.11.1.2. SUBMITTAL SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO SCHEDULING CONCRETE DELIVERY TO JOB SITE.
3.11.2. REINFORCEMENT SUBMITTALS
3.11.2.1. SUBMITTALS SHALL BE IN ACCORDANCE WITH ACI 315 (LATEST EDITION) AND SHOW, AT MINIMUM, ALL SIZES, DIMENSIONS, LOCATIONS OF ALL REINFORCEMENT AND EMBEDMENTS.
3.11.2.2. SUBMITTAL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO FABRICATING REINFORCEMENT.

4. MASONRY:
4.1. CONCRETE MASONRY UNITS SHALL BE HOLLOW LOADBEARING CONFORMING TO ASTM C 90 ALL LOCATIONS. MORTAR SHALL BE GRADE S FOR BELOW GROUND LEVEL AND EITHER TYPE N OR TYPE S FOR ABOVE GROUND CONFORMING TO ASTM C-270.
4.2. HORIZONTAL JOINT REINFORCING SHALL BE TRUSS TYPE FABRICATED WITH SINGLE PAIR 9 GAGE SIDE RODS AND 9 GAGE CONTINUOUS DIAGONAL CROSSRODS SPACED NOT MORE THAN 16" O.C. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF SINGLE AND MULTIPLE WIDTH UNIT WALLS.
4.3. FILLED CELLS INDICATED ON PLAN SHALL BE FILLED WITH 2000 PSI GROUT IN LIFTS OF 48" HIGH. TERMINATE LIFT 1-1/2" BELOW BED JOINT TO CREATE SHEAR KEY TO NEXT LIFT. LAP REINFORCING 30 DIAMETERS AT EACH LIFT.
4.4. MASONRY WALLS ARE UNSTABLE AND REQUIRE TEMPORARY CONSTRUCTION BRACING UNTIL INSTALLATION OF PERMANENT CONNECTION. TEMPORARY CONSTRUCTION BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4.5. MASONRY CONTROL JOINTS (M.C.J.) SHALL BE REQUIRED WITH SPACING SHOWN ON ARCHITECTURAL PLAN, MAXIMUM SPACING OF 25' OR 3 TIMES WALL HEIGHT ALONG WALL LENGTH AND 12'-0" MAX FROM WALL CORNERS. CONSTRUCT AS SHOWN ON MASONRY CONTROL JOINT DETAIL ON STRUCTURAL DRAWINGS.

5. STRUCTURAL STEEL
5.1. STRUCTURAL W-SECTION SHAPES SHALL CONFORM TO ASTM A992.
5.2. STRUCTURAL RECTANGULAR HSS SHALL CONFORM TO ASTM A500 GR. C.
5.3. STRUCTURAL ROUND HSS SHALL CONFORM TO ASTM A500 GR. C.
5.4. STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL CONFORM TO ASTM A36.
5.5. STRUCTURAL BOLTS SHALL BE ASTM A-325X WITH NUTS AND WASHERS.
5.6. DETAIL, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH LATEST AISC STANDARDS AND SPECIFICATIONS.
5.7. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION)
5.8. ELECTRODES SHALL BE E70XX.
5.9. UNLESS OTHERWISE NOTED OR DETAILED, ALL SHEAR CONNECTIONS SHALL BE DESIGNED USING THE APPROPRIATE DATA FROM PART 10 - "DESIGN OF SIMPLE SHEAR CONNECTIONS" FROM THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. DESIGN END REACTION IS 60% OF TOTAL ALLOWABLE LOAD (60% x Wc) FROM THE ALLOWABLE LOAD OF BEAM TABLE FROM PART 9 - "DESIGN OF CONNECTING ELEMENTS" OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.

6. STEEL JOISTS AND JOIST GIRDERS
6.1. STEEL JOIST MANUFACTURER SHALL BE A CURRENT MEMBER OF THE STEEL JOIST INSTITUTE (SJI)
6.2. STEEL JOISTS AND JOIST GIRDERS SHALL CONFORM TO THE SPECIFICATIONS AND REQUIREMENTS OF THE LATEST EDITION OF THE SJI STANDARD SPECIFICATIONS FOR OPEN WEB STEEL (K SERIES) AND JOIST GIRDERS.
6.3. JOIST BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE DESIGN AND SPACING REQUIREMENTS OF THE SJI STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS. UPLIFT BRIDGING AS REQUIRED SHALL BE PROVIDED BY THE JOIST MANUFACTURER AND CLEARLY SHOWN ON THE ERECTION DRAWINGS. BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS.
6.4. PRIOR TO FABRICATION, SUBMIT SHOP AND LAY-OUT DRAWINGS IN SUFFICIENT DETAIL TO DEFINE THE LOCATION OF THE JOISTS, BRIDGING, EMBEDS, OPENINGS, HEADERS AND OTHER ACCESSORIES FOR REVIEW BY THE ENGINEER OF RECORD.

7. STEEL DECK:
7.1. ROOF DECK
7.1.1. STEEL ROOF DECK
7.1.1.1. MAIN ROOF ---------- 22 GAUGE, TYPE "B" (WIDE RIB) CORRUGATED DECK
7.1.1.1.1. PROPERTIES:
7.1.1.1.1.1. NOMINAL DEPTH = 1½ IN
7.1.1.1.1.2. I = 0.183 IN^4/FT WIDTH
7.1.1.1.1.3. S = 0.192 IN^3/FT WIDTH
7.1.1.1.1.4. ALLOWABLE DESIGN STRESS = 33,000 PSI
7.1.1.2. COVERED PORCH ----------22 GAUGE, TYPE "N" CORRUGATED BECK
7.1.1.2.1. PROPERTIES:
7.1.1.2.1.1. NOMINAL DEPTH = 3 IN
7.1.1.2.1.2. I = 0.659 IN^4/FT WIDTH
7.1.1.2.1.3. S = 0.382 IN^3/FT WIDTH
7.1.1.2.1.4. ALLOWABLE DESIGN STRESS = 33,000 PSI

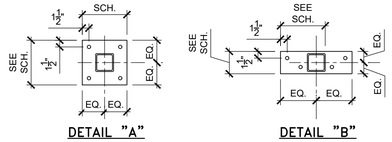
7.1.2. THE ROOF DECK SHALL BE INSTALLED AND ANCHORED TO THE SUPPORTING STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND/OR AS INDICATED IN FASTENING PATTERN SCHEDULE ON THESE DRAWINGS (WHICHEVER IS MORE STRINGENT).

8. PRE-ENGINEERED METAL ROOF TRUSSES
8.1. ALL PREFABRICATED METAL TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND SPECIFICATIONS TO SUPPORT ALL LIVE LOADS, DEAD LOADS, AND CONCENTRATED LOADS. LATERAL BRACING (DIAGONAL AND LATERAL BRIDGING), BOTH TEMPORARY AND PERMANENT, SHALL BE DESIGNED, PROVIDED AND NOTED ON ERECTION DRAWINGS BY THE MANUFACTURER.TEMPORARY BRACING SHALL REMAIN UNTIL PERMANENT BRACING AND THE ROOF DECK ARE COMPLETELY INSTALLED.
8.2. PROVIDE EAVE BRACING DETAILS, ETC. AS REQUIRED TO INSURE PLUMB, LEVEL STRUCTURAL BASE FOR EAVE TRIM AND CORNICE. NO TWISTING OR WARPING OF TRUSS ENDS WILL BE ACCEPTED PRIOR TO INSTALLATION OF CORNICE AND TRIM.
8.3. ALL TRUSSES SHALL BE DESIGNED AND ANCHORED TO WITHSTAND THE NOTED WIND LOADS. THE ROOF TRUSSES SHALL BE DESIGNED AND ANCHORED FOR THE FOLLOWING LOADS:
8.3.1. TOP CHORD LIVE LOAD ---------- 20 PSF
8.3.2. TOP CHORD DEAD LOAD ---------- 10 PSF
8.3.3. BOTTOM CHORD LIVE LOAD ---------- 0 (EXCEPT WHERE SO INDICATED ON PLANS)
8.3.4. BOTTOM CHORD DEAD LOAD ---------- 10 PSF
8.3.5. ROOF WIND PRESSURE ---------- PER IBC 2015
8.3.6. WIND UPLIFT ---------- PER IBC 2015
8.4. VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY ARCHITECT/ENGINEER OF ANY REQUIRED MODIFICATIONS.
8.5. SUBMIT DESIGN DRAWINGS AND CALCULATIONS BEARING THE REGISTERED PROFESSIONAL ENGINEER'S SEAL OF THE DESIGN ENGINEER.

9. COLD-FORM METAL FRAMING
9.1. CFMF SHALL BE DESIGNED ACCORDING TO THE AMERICAN IRON AND STEEL INSTITUTE (AISI) S100 (LATEST EDITION).
9.2. ALL STRUCTURAL LOADBEARING MEMBERS SHALL BE FORMED FROM CORROSION RESISTANT STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A446, WITH A MINIMUM YIELD STRENGTH Fy = 40 KSI FOR S STUDS GRADE A, 33 KSI FOR T TRACK. ALL STRUCTURAL MEMBERS SHALL BE ZINC COATED MEETING REQUIREMENTS FOR ASTM A525.
9.3. MEMBERS SHALL BE INSTALLED LEVEL AND TRUE IN A WORKMANLIKE MANNER. INSTALL STRAPPING AND ACCESSORIES A DETAILED AND AS REQUIRED FOR PROPER INSTALLATION.
9.4. THE PHYSICAL AND STRUCTURAL PROPERTIES LISTED BY THE MANUFACTURER SHALL BE CONSIDERED THE MINIMUM PERMITTED FOR ALL FRAMING MEMBERS.

10. DESIGN LOADS:
10.1. LIVE LOADS:
10.1.1. ROOF ---------- 20 PSF (REDUCIBLE)
10.2. DEAD LOADS
10.2.1. ROOF---------- 20 PSF
10.3. WIND LOAD:
10.3.1. DESIGN CODE ---------- ASCE 7-10
10.3.2. DESIGN ANALYSIS PROCEDURE
10.3.2.1. MAIN WIND FORCE RESISTING SYTEM ---------- DIRECTIONAL PROCEDURE
10.3.3. DESIGN WIND SPEED (ULT. 3 SEC GUST) ---------- 116 MPH
10.3.4. OCCUPANCY CATEGORY ---------- II
10.3.5. WIND EXPOSURE CATEGORY ---------- B
10.3.6. INTERNAL PRESSURE COEFFICIENTS ---------- +/- 0.18

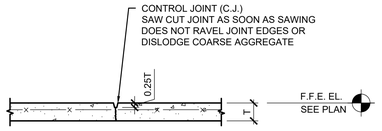
11. APPLICABLE CODES
11.1. INTERNATIONAL BUILDING CODE 2015
11.2. AMERICAN CONCRETE INSTITUTE
11.3. CONCRETE REINFORCING STEEL INSTITUTE
11.4. AMERICAN INSTITUTE OF STEEL CONSTRUCTION
11.5. AMERICAN IRON AND STEEL INSTITUTE
11.6. AMERICAN SOCIETY OF TESTING AND MATERIALS
11.7. AMERICAN WELDING SOCIETY
11.8. AMERICAN PLYWOOD ASSOCIATION



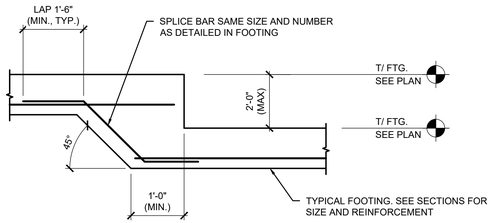
DETAIL "A" DETAIL "B"

BASE PLATE SCHEDULE

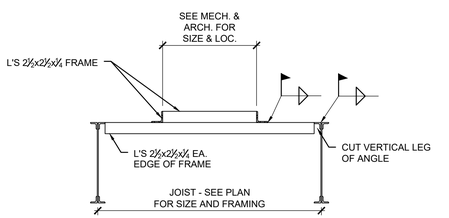
COLUMN SIZE	SIZE	DETAIL	ANCHOR RODS
HSS 4x4	¾"x10"x0'-10"	A	(4) - ¾"Ø (12" EMBED)
HSS 4x4 STUB	¾"x"BEAM WIDTH"x1'-6"	B	(4) - ¾"Ø THRU. BOLTS



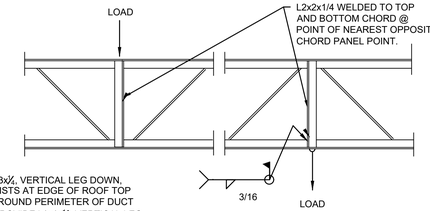
1 S0.1 **CONTRETE CONTROL JOINT (C.J.)**
1' 4" 8" 0' 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"



2 S0.1 **TYPICAL FOOTING STEP**
1' 4" 8" 0' 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"



3 S0.1 **TYPICAL ROOF OPENING FRAME**
NTS



NOTE:
PROVIDE L3x3x¼, VERTICAL LEG DOWN, BETWEEN JOISTS AT EDGE OF ROOF TOP UNITS AND AROUND PERIMETER OF DUCT OPENINGS. PROVIDE L3x3x¼, VERTICAL LEG DOWN, AROUND ANY ROOF OPENING GREATER THAN 8"Ø OR 8" SQUARE.

4 S0.1 **TYPICAL JOIST WHERE LOADED IS ADDED @ OTHER THAN PANEL POINT**
NTS

SPREAD FOOTING SCHEDULE

MARK	SIZE	REINF. EA. WAY
SF-2	2'-0"x2'-0"x1'-0"	3-#4
SF-2.5	2'-6"x2'-6"x1'-0"	3-#5
SF-3	3'-0"x3'-0"x1'-0"	3-#5
SF-3.5	3'-6"x3'-6"x1'-0"	4-#5
SF-4	4'-0"x4'-0"x1'-0"	5-#5
SF-4.5	4'-6"x4'-6"x1'-2"	5-#6
SF-5	5'-0"x5'-0"x1'-2"	6-#6
SF-5.5	5'-6"x5'-6"x1'-4"	6-#6
SF-6	6'-0"x6'-0"x1'-4"	6-#7
SF-6 SP	6'-0"x4'-0"x1'-4"	6-#7 SHORT DIR. w/ 5-#5 LONG DIR. TOP AND BOTT.
SF-6.5	6'-6"x6'-6"x1'-6"	6-#7
SF-7	7'-0"x7'-0"x1'-6"	7-#7
SF- 7 SP	7'-0"x5'-0"x1'-6"	7-#7 SHORT DIR. w/ 6-#6 LONG DIR. TOP AND BOTT.
SF-7.5	7'-6"x7'-6"x1'-6"	7-#7
SF-8	8'-0"x8'-0"x1'-6"	8-#7
SF-8 SP	8'-0"x6'-0"x1'-6"	8-#7 SHORT DIR. w/ 6-#7 LONG DIR. TOP AND BOTT.
SF-8.5	8'-6"x8'-6"x1'-6"	8-#8
SF-9	9'-0"x9'-0"x1'-6"	9-#8
SF-9.5	9'-6"x9'-6"x1'-6"	9-#8
SF-10	10'-0"x10'-0"x1'-6"	10-#8
SF-10.5	10'-6"x10'-6"x1'-6"	11-#8
SF-11	11'-0"x11'-0"x1'-8"	11-#9
SF-11.5	11'-6"x11'-6"x1'-8"	11-#9
SF-12	12'-0"x12'-0"x2'-0"	12-#9

HEADER SCHEDULE

MAX. OPENING	HEADER	TRACK	DETAIL
6'-4"	2-600S200-43	2-600T200-43	C
16'-0"	2-800S200-54	2-600T200-43	C

DETAIL "C"

LINTEL SCHEDULE

MAX. OPENING	LITEL	ORIENTATION
6'-4"	L7x4x⅝	LLV

NOTES:
1. BEAR LOOSE ANGLES 8" MIN. EA. END.
2. WHERE OPENINGS OCCUR AND LINTELS ARE NOT CALLED-OUT ON PLANS, SELECT LINTELS FROM ABOVE SCHEDULE USING MAXIMUM OPENING AS CRITERIA.

WEATHERFORD & DAY
ENGINEERS
8150 OLD FEDERAL ROAD
MONTGOMERY, AL 36117
334.277.9550

GMC

AS-BUILT

ISSUE	DATE
CONSTRUCTION	04/23/2019
75% REVIEW	05/30/2019
95% REVIEW	10/11/2019
PERMIT	

DESIGNED BY: LGS
DRAWN BY: LGS
CHECKED BY: DPR

EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM180037

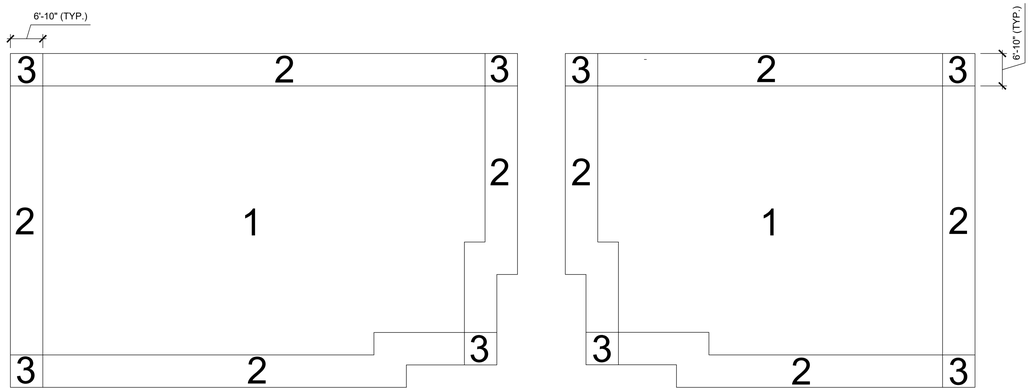
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24543 DANIEL P. RAWLINSON

GENERAL NOTES AND TYPICAL SECTIONS

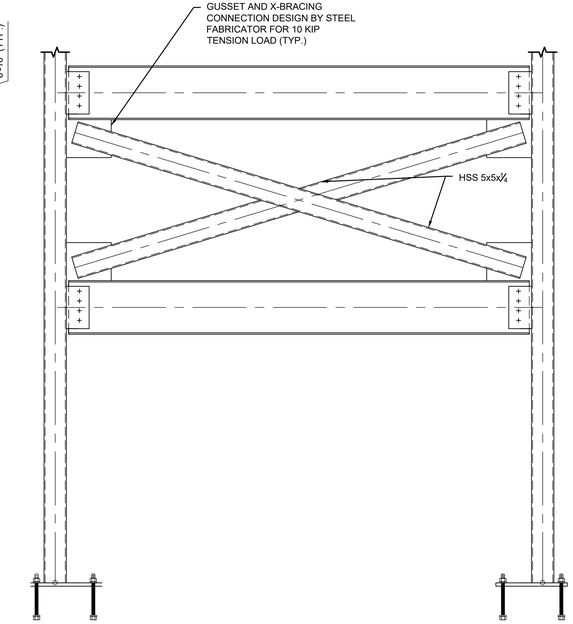
S0.1

WIND DESIGN LOADS FOR COMPONENTS AND CLADDING			
ZONE	EFFECTIVE WIND AREA (SQ. FT.)	3 SEC. ULTIMATE GUST PRESSURE (PSF)	
		+ (INWARD)[1]	- (OUTWARD)[2]
ZONE 1[3] (TYPICAL ROOF)	10	+16	-24.2
	25	+16	-23.4
	50	+16	-22.8
	100	+16	-22.1
ZONE 2[4] (ROOF EDGES)	10	+22.1	-40.6
	25	+20.8	-34.9
	50	+19.9	-30.6
	100	+18.9	-26.2
ZONE 3[5] (ROOF CORNERS)	10	+22.1	-40.6
	25	+20.8	-34.9
	50	+19.9	-30.6
	100	+18.9	-26.2

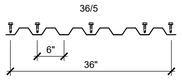
NOTES:
1. + POSITIVE PRESSURE ACTING TOWARDS THE BUILDING SURFACE
2. - NEGATIVE PRESSURE, ACTING AWAY FROM THE BUILDING SURFACE
3. ZONE 1 - TYPICAL ROOF SURFACE EXCLUDING EXTERIOR
4. ZONE 2 - ROOF SURFACE WITHIN 6'-10" OF EXTERIOR EDGES
5. ZONE 3 - ROOF SURFACE WITHIN 6'-10" OF ROOF CORNERS



1 / S0.2 **ROOF ULTIMATE UPLIFT DIAGRAM**
NTS

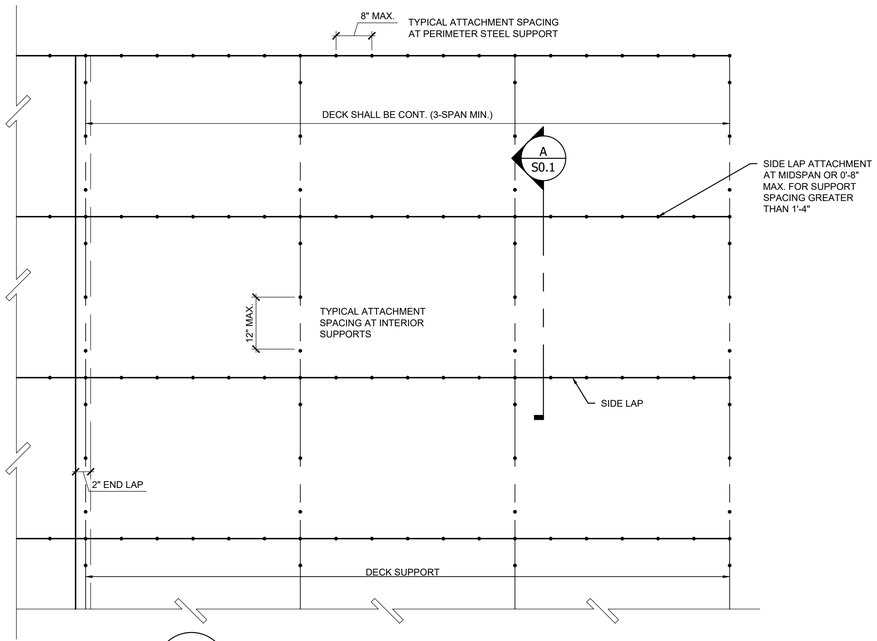


2 / S0.2 **SECTION**
1' 4" 8" 0' 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"

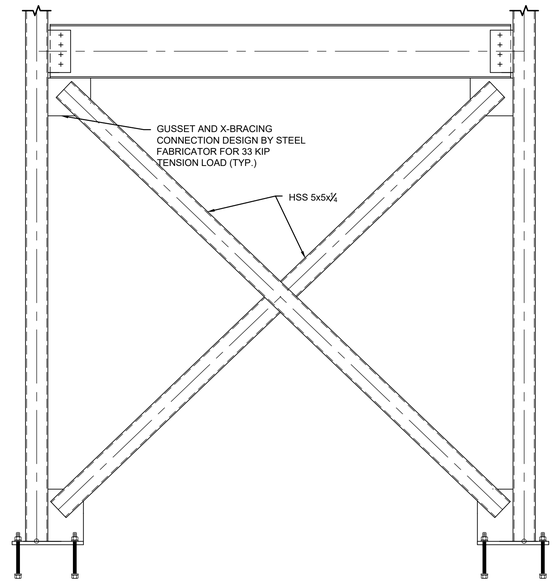


A / S0.1 **DETAIL**
NTS

NOTES:
1. ALL INTERIOR & PERIMETER ATTACHMENTS SHALL BE MINIMUM #12 TEK SCREWS @ 36/5 SPACING.
2. ALL SIDE LAP ATTACHMENTS SHALL BE #10 TEK SCREWS @ 0'-8" O.C. MAX.



3 / S0.2 **TYPICAL METAL DECK ATTACHMENT**
NTS



4 / S0.2 **SECTION**
1' 4" 8" 0' 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"

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ISSUE	DATE
75% REVIEW	04/23/2019
95% REVIEW	05/30/2019
PERMIT	10/11/2019

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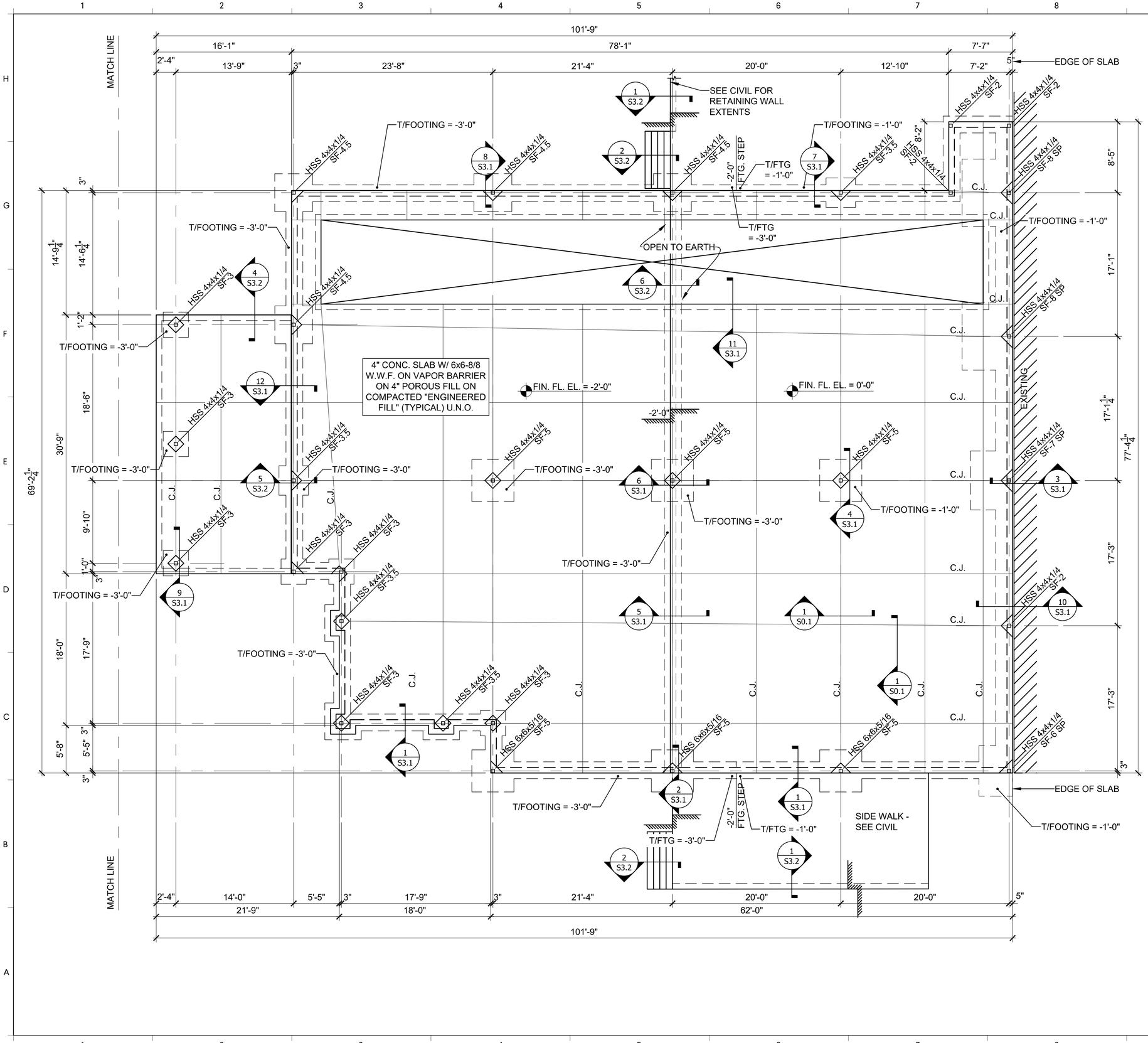
EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24448 DAVID P. RAY

GENERAL NOTES AND TYPICAL SECTIONS

S0.2



1 S1.1 **PART A FOUNDATION PLAN**

5'-4" 2'-8" 0' 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"

NOTES:

1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1/S0.2 FOR GENERAL NOTES AND TYPICAL SECTIONS.
3. SEE ARCH. FOR ALL DIMENSIONS NOT SHOWN
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COORDINATE ALL TOP OF FOOTING ELEVATIONS SHOWN ON DRAWINGS WITH FINAL GRADING PLAN. MINIMUM COVER FROM TOP OF FOOTING TO OUTSIDE FINISH GRADE SHALL BE 1'-0".
5. COORDINATE ALL SLOPES, STEPS, RECESSES, AND PLUMBING FIXTURES W/ CONTRACT DRAWINGS.
6. MASONRY WALLS ARE UNSTABLE AND REQUIRE TEMPORARY BRACING UNTIL PERMANENT CONNECTION IS INSTALLED. TEMPORARY MASONRY BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. COORDINATE LOCATION AND EXTENTS OF RETAINING WALLS AND SIDEWALK STAIRS WITH CIVIL.

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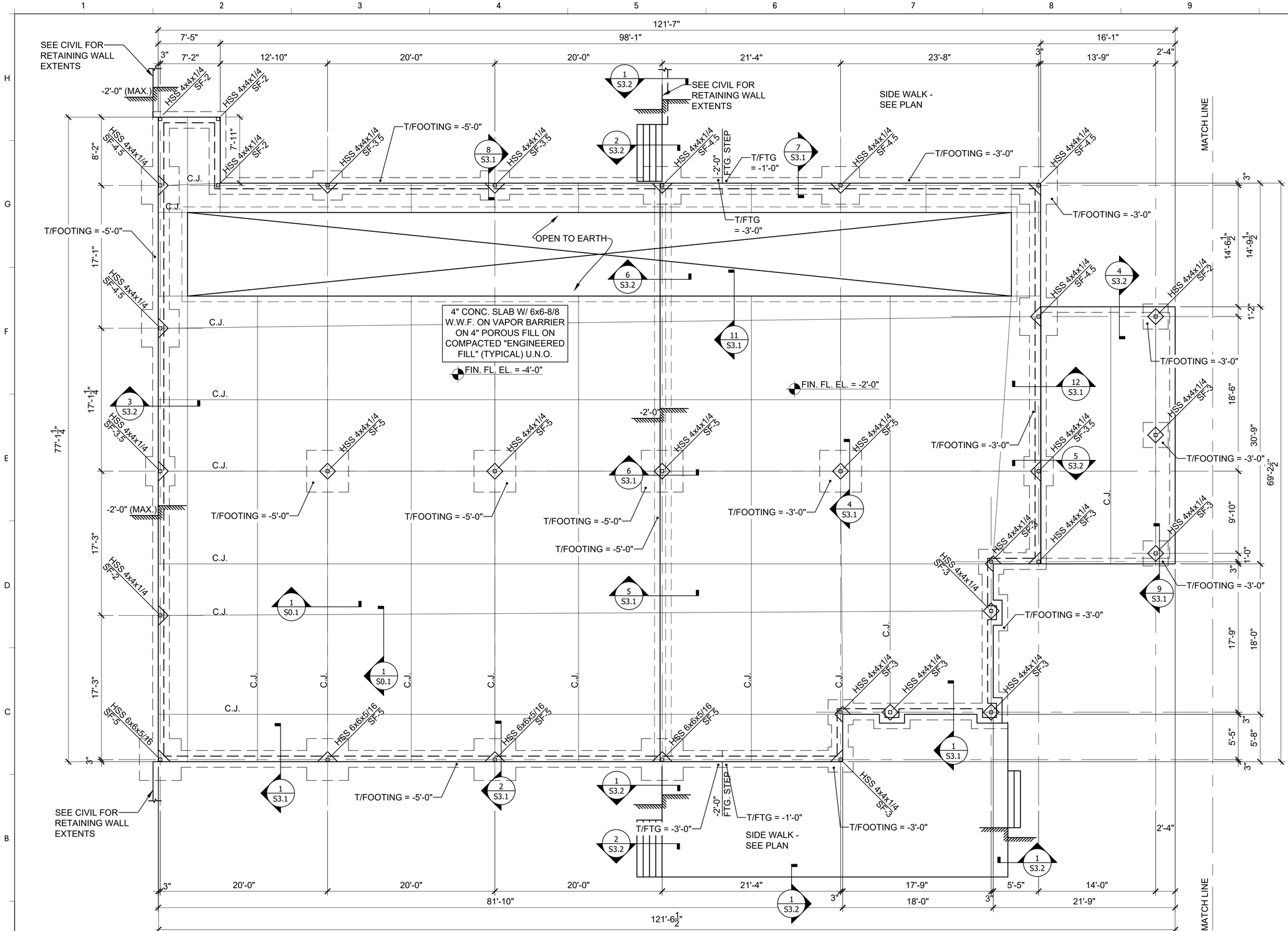
PART A FOUNDATION PLAN

S1.1



1 / S1.2 **PART B FOUNDATION PLAN**

5'-4" 2'-8" 0' 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"

NOTES:

1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1 FOR GENERAL NOTES AND TYPICAL SECTIONS.
3. SEE ARCH. FOR ALL DIMENSIONS NOT SHOWN
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COORDINATE ALL TOP OF FOOTING ELEVATIONS SHOWN ON DRAWINGS WITH FINAL GRADING PLAN. MINIMUM COVER FROM TOP OF FOOTING TO OUTSIDE FINISH GRADE SHALL BE 1'-0".
5. COORDINATE ALL SLOPES, STEPS, RECESSES, AND PLUMBING FIXTURES W/ CONTRACT DRAWINGS.
6. MASONRY WALLS ARE UNSTABLE AND REQUIRE TEMPORARY BRACING UNTIL PERMANENT CONNECTION IS INSTALLED. TEMPORARY MASONRY BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. COORDINATE LOCATION AND EXTENTS OF ALL RETAINING WALLS AND SIDEWALK STAIRS WITH CIVIL.

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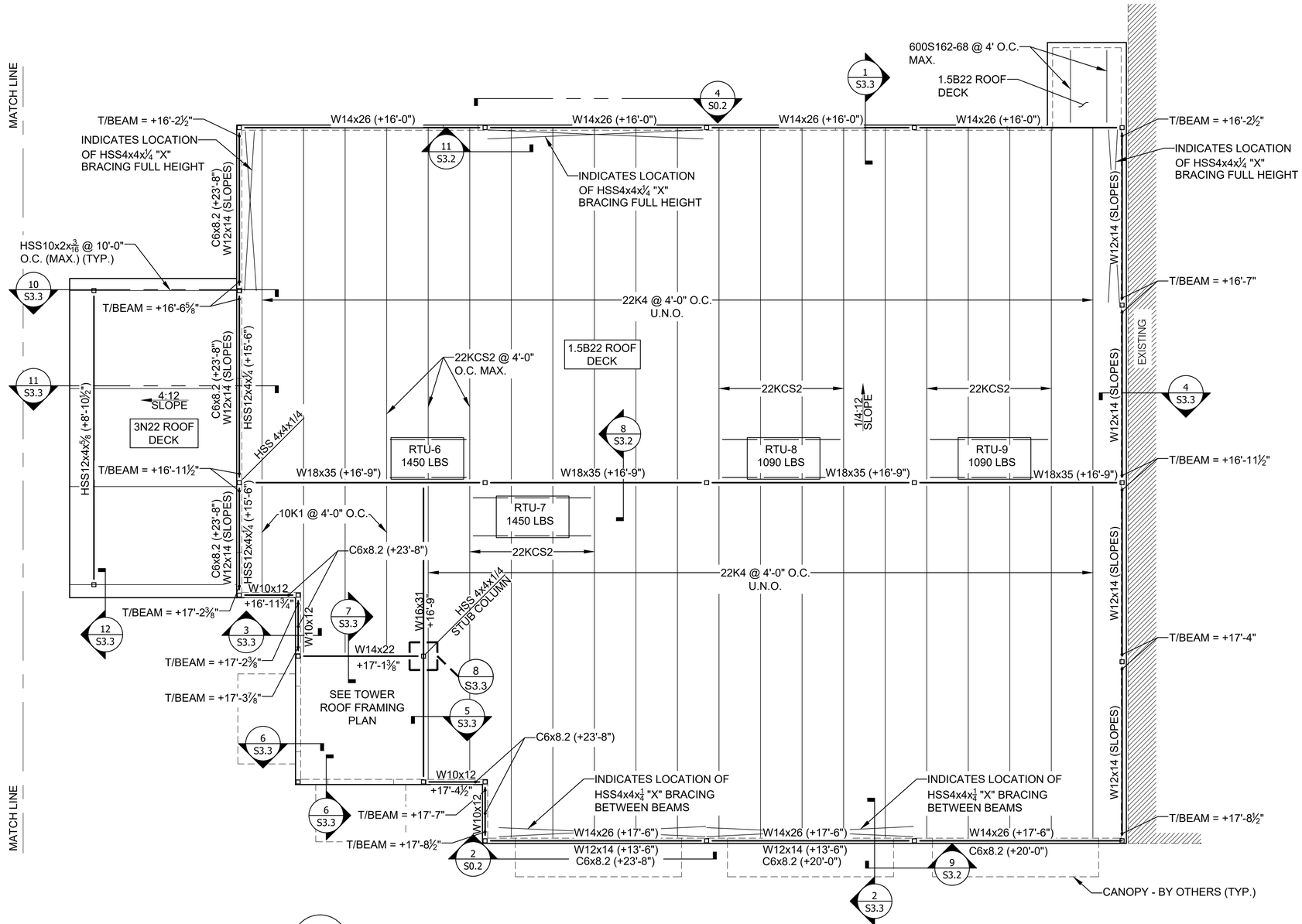
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24448 DANIEL P. RIST

PART B FOUNDATION PLAN

S1.2



3 S1.3 PART A ROOF FRAMING PLAN

5'-4" 2'-8" 0' 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"

NOTES:
1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1 FOR GENERAL NOTES AND TYPICAL SECTIONS.
3. SEE ARCH. FOR ALL DIMENSIONS NOT SHOWN
4. SEE ARCH FOR PARAPET EXTENTS AND HEIGHT CHANGES

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PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 29443 DANIEL P. RAINEY

PART A ROOF FRAMING PLAN

S1.3

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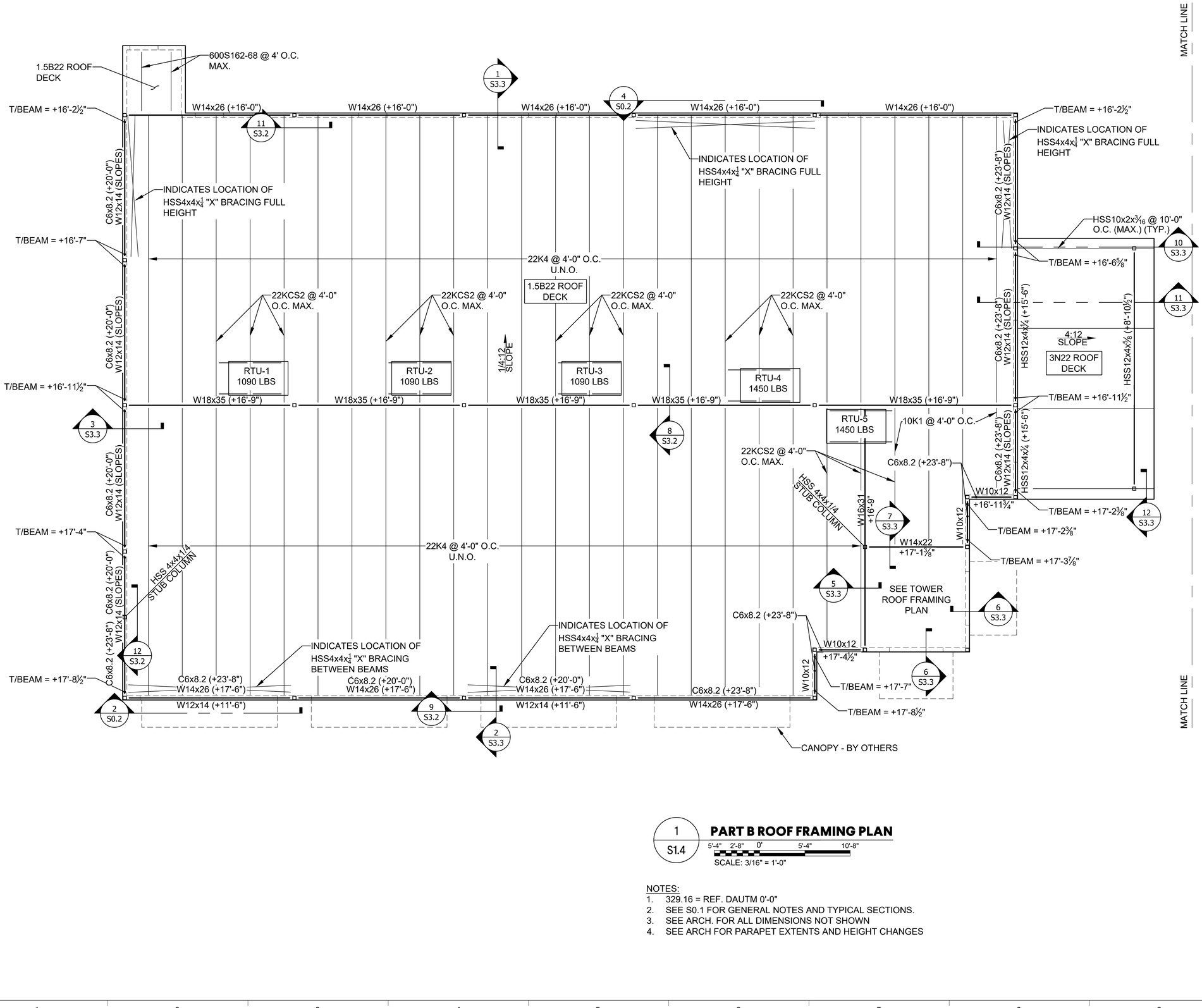

1 / S1.4 PART B ROOF FRAMING PLAN

5'-4" 2'-8" 0' 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"

NOTES:

1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1 FOR GENERAL NOTES AND TYPICAL SECTIONS.
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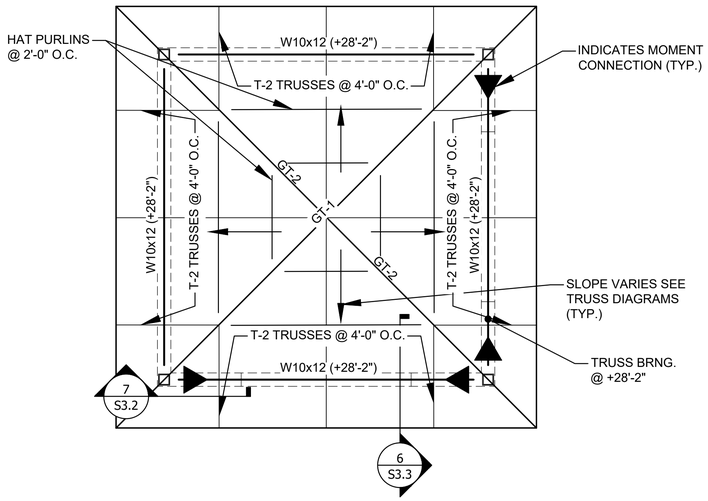
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24343 DANNY P. DAY

PART B ROOF FRAMING PLAN

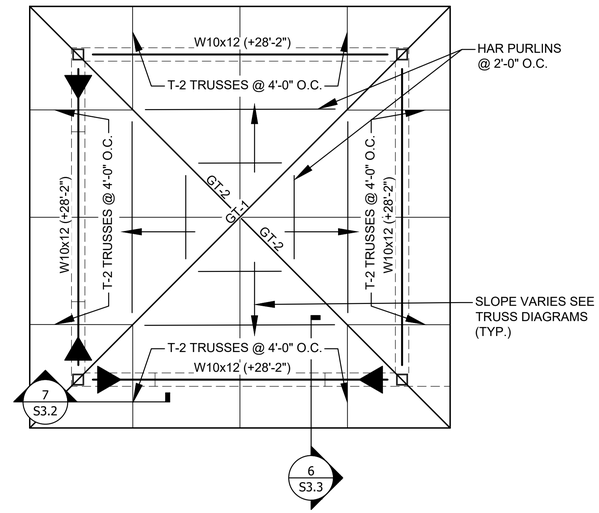
S1.4



1 S1.5 **PART B TOWER ROOF FRAMING PLAN**

SCALE: 3/8" = 1'-0"

NOTES:
1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1/S0.2 FOR GENERAL NOTES AND TYPICAL SECTIONS.
3. SEE ARCH. FOR ALL DIMENSIONS NOT SHOWN



2 S1.5 **PART A TOWER ROOF FRAMING PLAN**

SCALE: 3/8" = 1'-0"

NOTES:
1. 329.16 = REF. DAUTM 0'-0"
2. SEE S0.1/S0.2 FOR GENERAL NOTES AND TYPICAL SECTIONS.
3. SEE ARCH. FOR ALL DIMENSIONS NOT SHOWN

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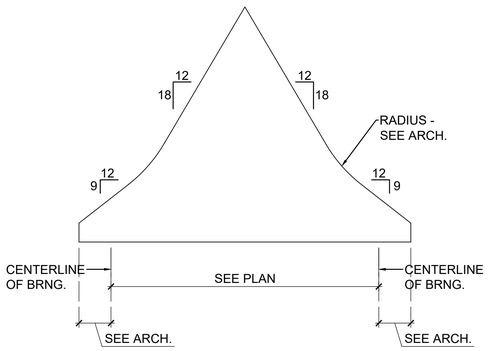
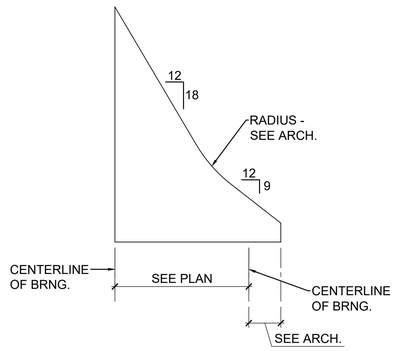
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24448 DANIEL P. RIEF

PART B ROOF FRAMING PLAN

S1.5



GT-1



T-2, GT-2

TRUSS NOTES:

1. SEE GENERAL NOTES FOR PREFABRICATED TRUSS DESIGN REQUIREMENTS.
2. TRUSS LAYOUTS ARE INTENDED TO BE DIAGRAMMATICAL FOR OUTSIDE CONFIGURATION ONLY. VERIFY ALL DIMENSIONS AND OVERHANGS WITH ARCHITECTURAL DRAWINGS.
3. HORIZONTAL SPLICES MAY BE LOCATED AS REQUIRED BY TRUSS MANUFACTURER.
4. PROVIDE LATERAL BRACES AND TRUSS BRIDGING AS REQUIRED.
5. TRUSS MANUFACTURER SHALL DESIGN AND SHOW ON ERECTION DRAWINGS ALL SECONDARY FRAMING AND PERMANENT BRACING REQUIRED.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING.
7. CONTRACTOR SHALL INSTALL TRUSSES IN SUCH A WAY AS TO INSURE PLUMB, LEVEL STRUCTURAL BASE FOR EAVE TRIM AND CORNICE. NO TWISTING OR WARPING OF TRUSS ENDS WILL BE ACCEPTED PRIOR TO INSTALLATION OF CORNICE AND TRIM.

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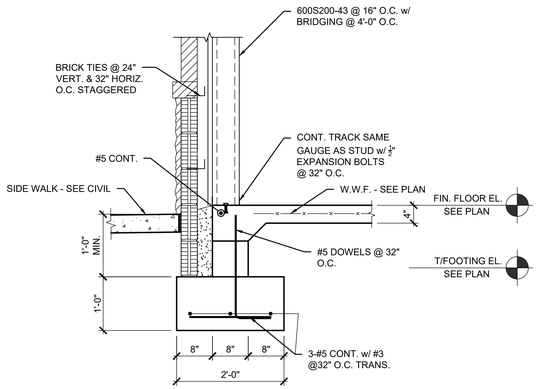
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 28448 DANIEL P. RAINWATER

TRUSS DIAGRAMS

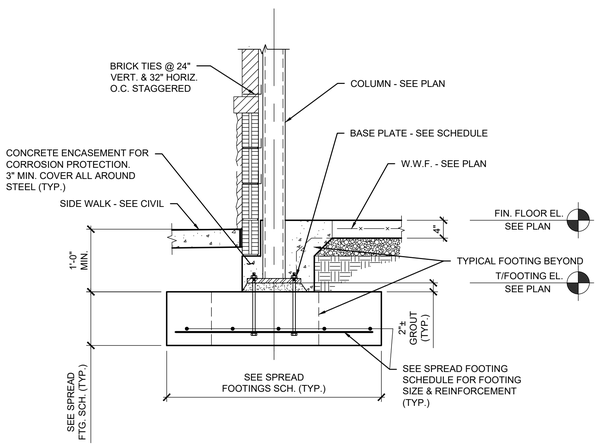
S2.1



1 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

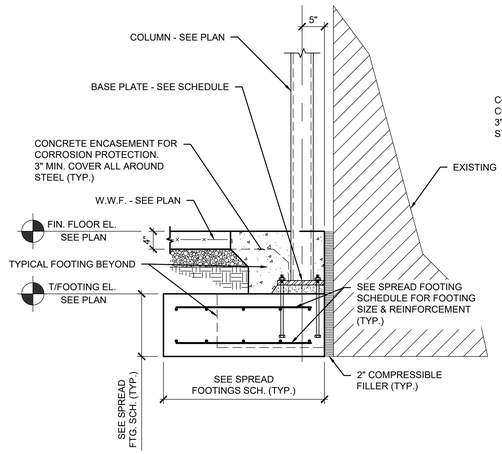
SCALE: 3/4" = 1'-0"



2 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

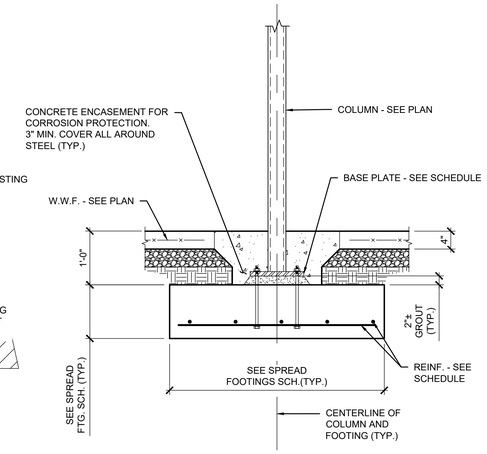
SCALE: 3/4" = 1'-0"



3 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

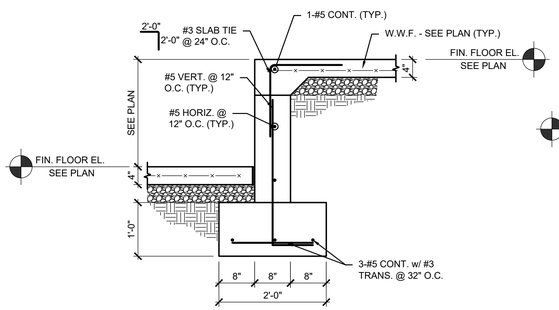
SCALE: 3/4" = 1'-0"



4 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

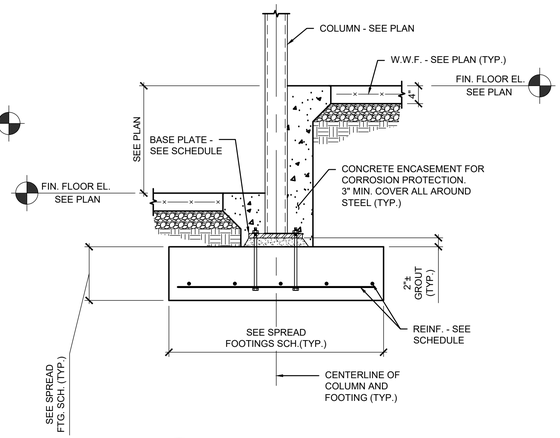
SCALE: 3/4" = 1'-0"



5 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

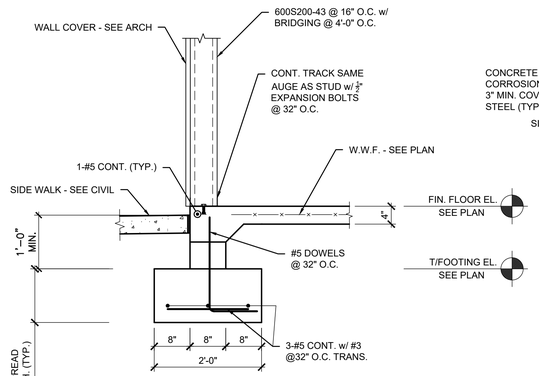
SCALE: 3/4" = 1'-0"



6 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

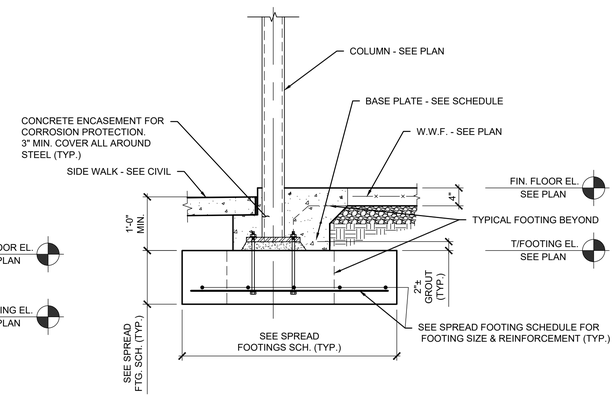
SCALE: 3/4" = 1'-0"



7 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

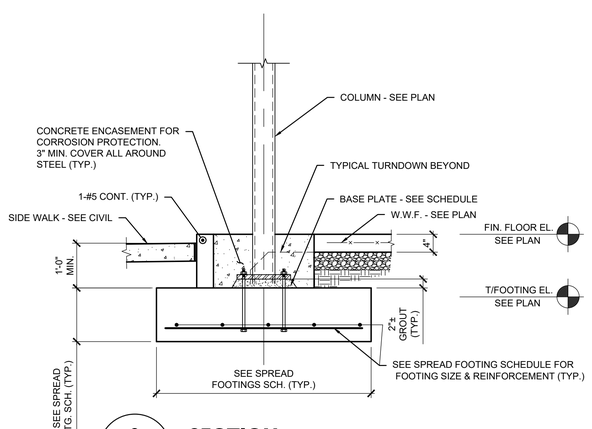
SCALE: 3/4" = 1'-0"



8 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

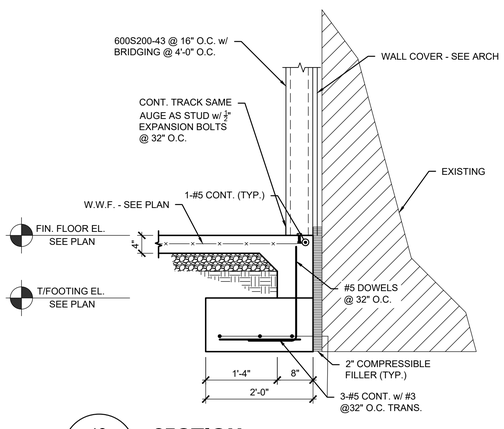
SCALE: 3/4" = 1'-0"



9 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

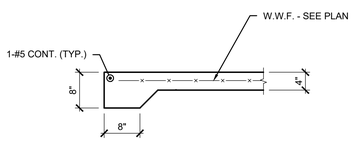
SCALE: 3/4" = 1'-0"



10 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

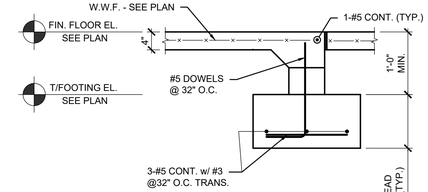
SCALE: 3/4" = 1'-0"



11 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"



12 S3.1 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"

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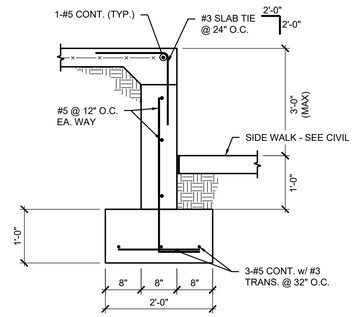
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24448 DANIEL P. RAY

SECTIONS

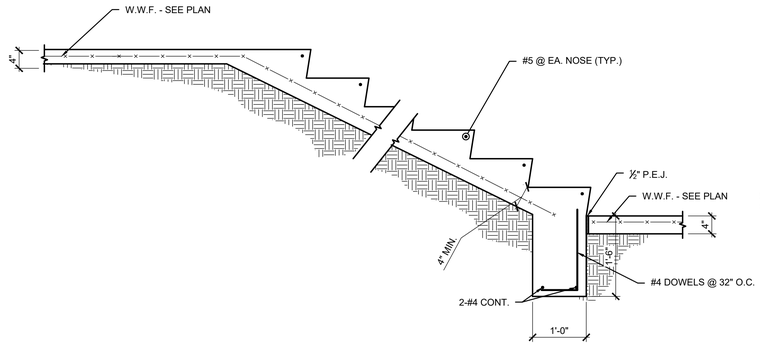
S3.1



1 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

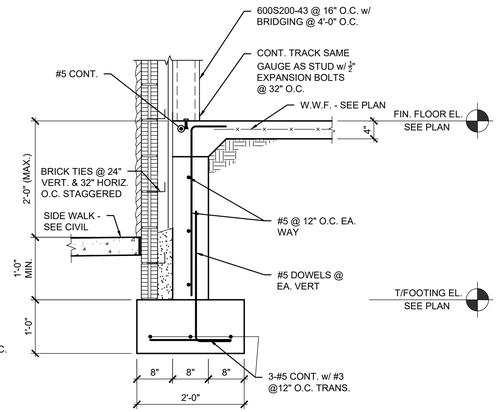
SCALE: 3/4" = 1'-0"



2 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

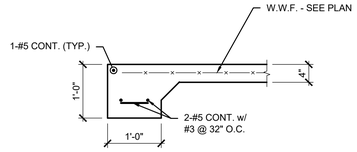
SCALE: 3/4" = 1'-0"



3 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

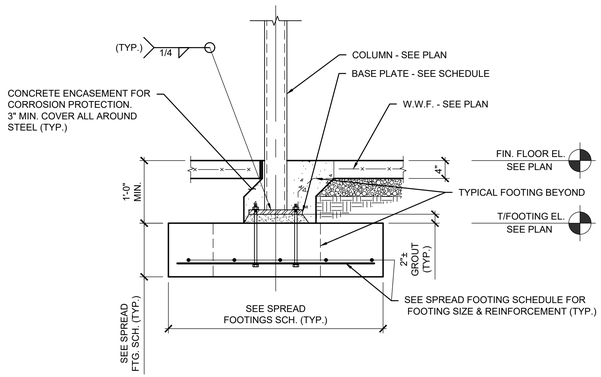
SCALE: 3/4" = 1'-0"



4 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

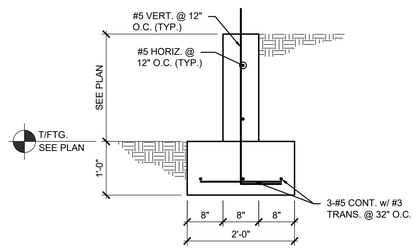
SCALE: 3/4" = 1'-0"



5 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

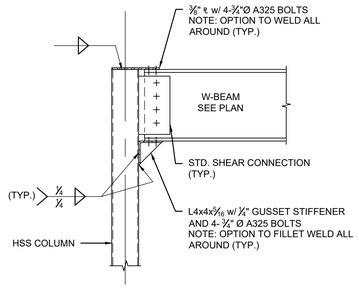
SCALE: 3/4" = 1'-0"



6 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

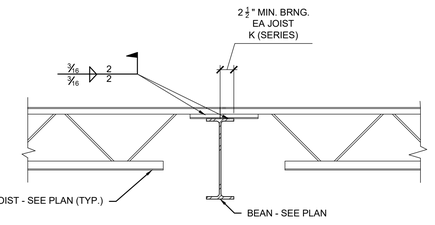
SCALE: 3/4" = 1'-0"



7 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

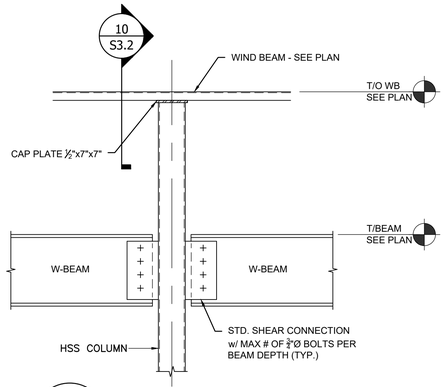
SCALE: 3/4" = 1'-0"



8 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

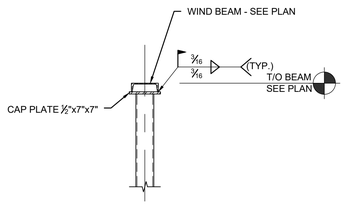
SCALE: 3/4" = 1'-0"



9 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

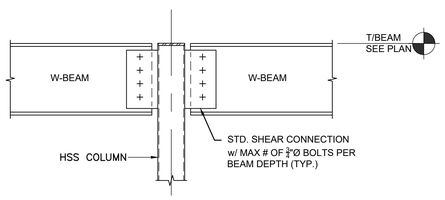
SCALE: 3/4" = 1'-0"



10 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

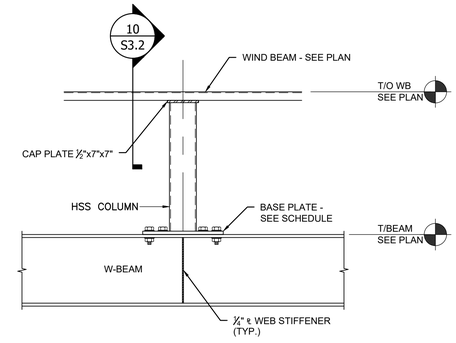
SCALE: 3/4" = 1'-0"



11 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"



12 S3.2 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"

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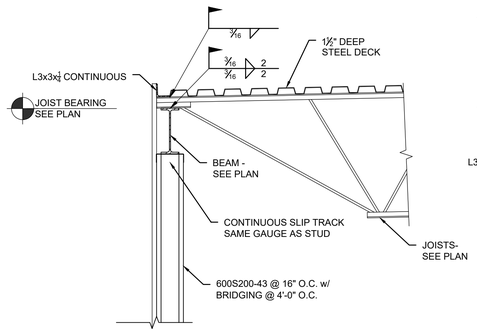
SECTIONS

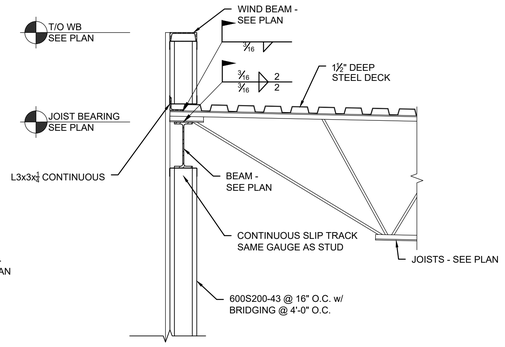
S3.2



1 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

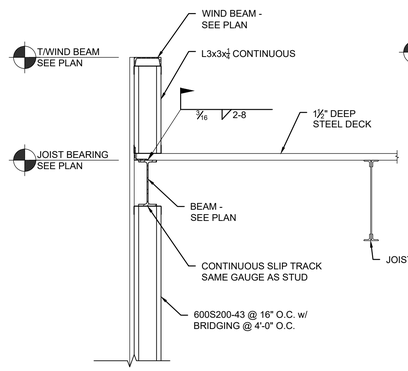
SCALE: 3/4" = 1'-0"



2 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

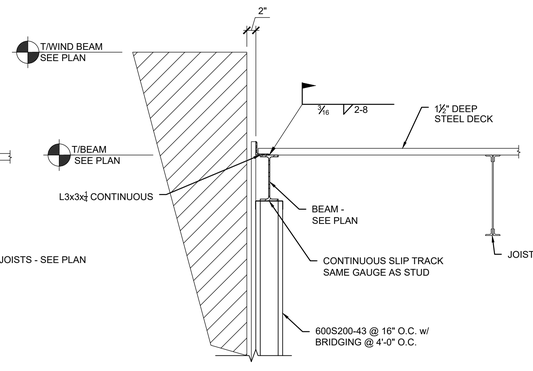
SCALE: 3/4" = 1'-0"



3 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

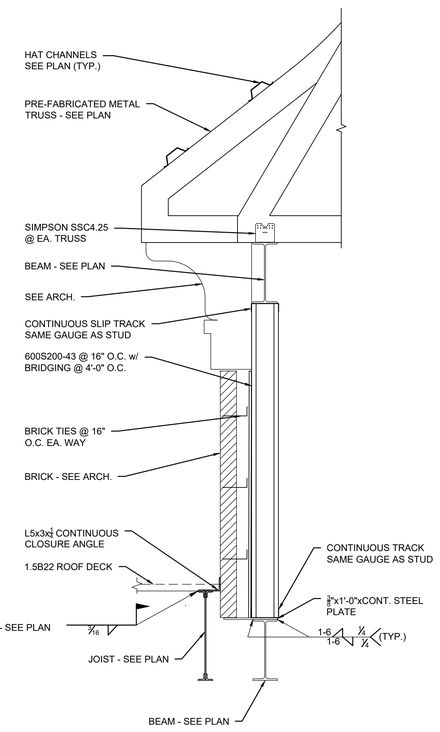
SCALE: 3/4" = 1'-0"



4 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

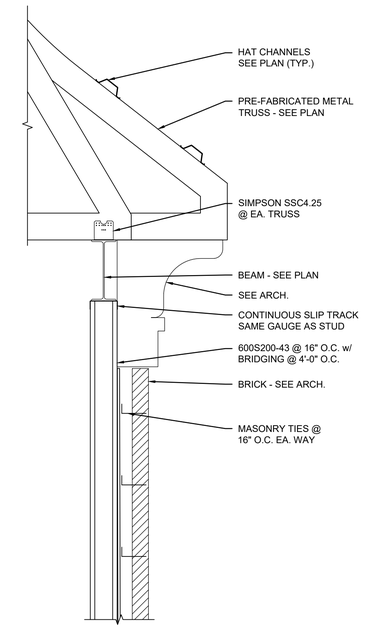
SCALE: 3/4" = 1'-0"



5 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

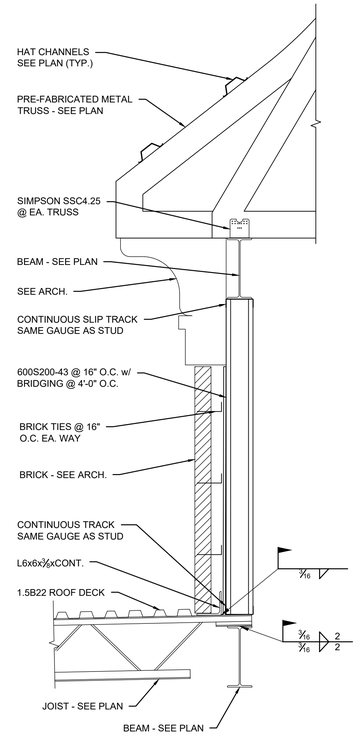
SCALE: 3/4" = 1'-0"



6 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

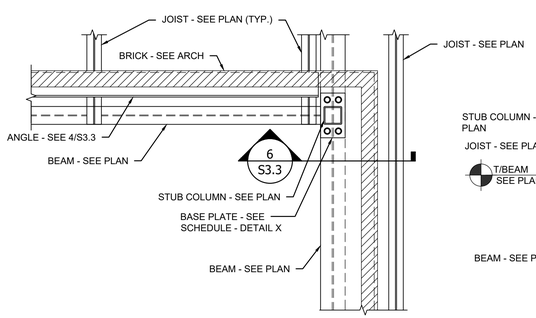
SCALE: 3/4" = 1'-0"



7 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

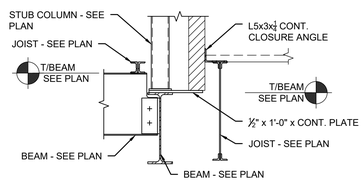
SCALE: 3/4" = 1'-0"



8 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

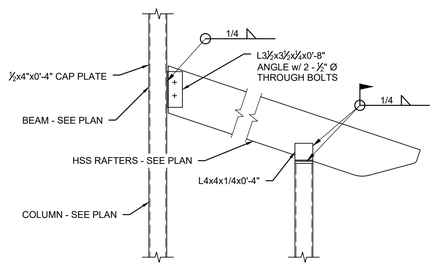
SCALE: 3/4" = 1'-0"



9 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

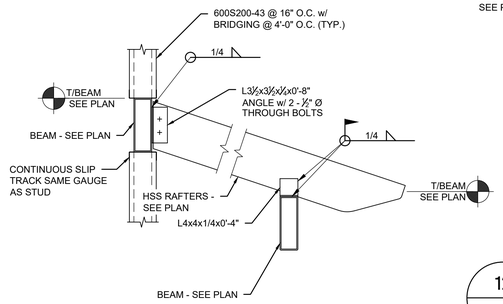
SCALE: 3/4" = 1'-0"



10 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

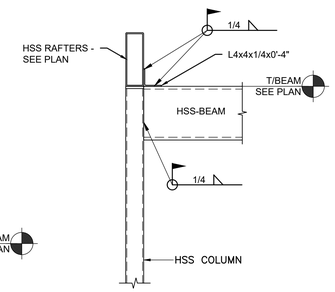
SCALE: 3/4" = 1'-0"



11 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"



12 S3.3 **SECTION**

1' 4" 8" 0' 1'-4" 2'-8"

SCALE: 3/4" = 1'-0"

WEATHERFORD & DAY ENGINEERS INC.
8150 OLD FEDERAL ROAD
MONTGOMERY, AL 36117
334.277.9550

GMC

AS-BUILT

ISSUE	DATE
75% REVIEW	04/23/2019
95% REVIEW	05/30/2019
PERMIT	10/11/2019

DESIGNED BY: LGS
DRAWN BY: LGS
CHECKED BY: DPR

EXCHANGE AT HOMEPLACE

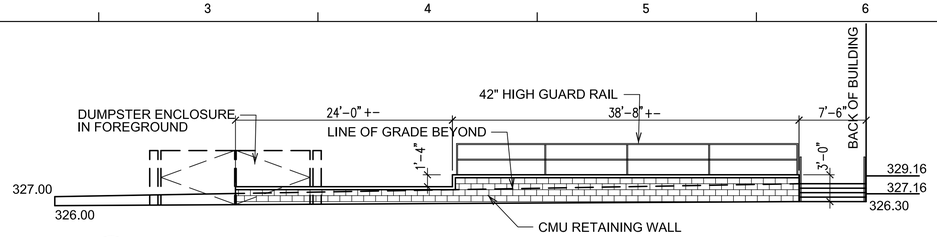
PRATTVILLE, AL

GMC PROJECT#AMGM180037

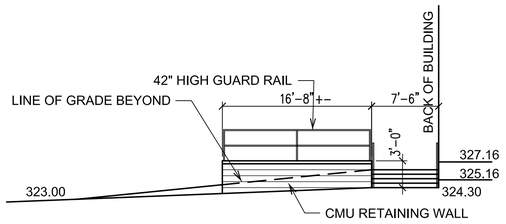
LICENSED PROFESSIONAL ENGINEER No. 24443 DANNY P. RAY ALABAMA

SECTIONS

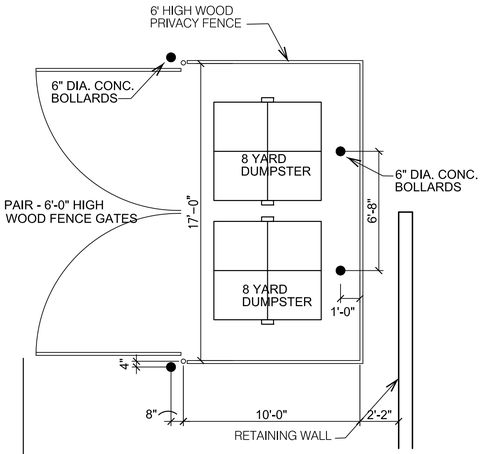
S3.3



3 A2.00 FROM CENTER LOOKING NORTH TOWARDS FIVE BELOW



4 A2.00 FAR SOUTH LOOKING NORTH

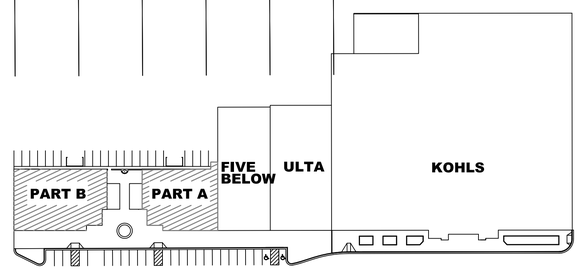


2 A2.00 **DUMPSTER ENCLOSURE**

SCALE: 1/4" = 1'-0"

1 A2.00 **COMPOSITE FLOOR PLAN**

Scale: 3/32" = 1'-0"



KEY PLAN

GMC

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2660 East Chase Lane, Suite 200
Montgomery, AL 36117
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
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DESIGNED BY: GMC
DRAWN BY: GMC
CHECKED BY: GMC

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

STATE OF ALABAMA
T.E. WALLACE 2931
R.A. BASSETT 4141
J.E. LINN, JR. 3648
REGISTERED ARCHITECT

COMPOSITE FLOOR PLAN

A2.00
sheet of

RETAINING WALL, STEPS AND HANDRAIL
SEE CIVIL DRAWINGS

8'-0" +–
13'-2"
19'-10"
7'-7"
2'-0"
8'-2"
8'-5"
34'-2 1/4"
34'-6"
METAL THRESHOLD
ELECTRICAL EQUIP. SEE ELEC. DWGS.
EDGE OF SLAB
EDGE OF SLAB
EDGE OF SLAB
103
SPK. R.M.
103
2'-0" CLR
3'-6" CLR
EQ
102D
X-BRACING SEE STRUCT.
101B
100B
P3
P2
BRK. SCREEN WALL
CONC. BENCH
3'-0"
14'-0"
10"
AREA OF SLAB TO BE LEFT OUT
5'-0" HIGH FRP ALL 3 SIDES OF MOP SINK
3'-0"
2'-0"
2'-6"
8'-9" CLR
MOP SINK
3 COMP SINK BY TENANT
PREP SINK BY TENANT
WALK IN REFRIG. AND COOLER - BY TENANT
P1
P4
TOILET
100D
P5
P4
P4
TOILET
P4
100C
P4
HAND SINK BY TENANT
X-BRACING ABOVE STOREFRONT
STEEL RAILING
2'-8"
14'-2"
COVERED PORCH
SF4
29'-4"
26'-8"
16'-9"
16" SQ. BRK COL ENCLOS
14'-2"
1'-2"
FIN. FLR. ELEV. = 327.16
FIN. FLR. ELEV. = 329.16
UNFINISHED SHELL SPACE
2'-0" ELEVATION CHANGE
2
A2.04
FIN. FLR. ELEV. = 329.16
P1
X-BRACING SEE STRUCT.
METAL THRESHOLD
102C
2'-3 1/2"
3'-4.3/8"
2'-8"
4'-0"
FUTURE RETAIL SHELL SPACE
70'-0"
JERSEY MIKE'S SPACE A3
100
HAND SINK BY TENANT
SEE TENANT PLANS FOR FIT-OUT DRAWINGS (SUBMITTED BY OTHERS)
A3 FINISH SCHEDULE
FLOOR: UNSEALED CONC. BROOM CLEAN
WALLS: GYP. BD. TAPED AND SANDED READY FOR TENANT FINISH
CEILING: LAY-IN ACOUSTICAL - SEE RCP, SHEET A2.04
2'-5"
P2
9'-2" CLR
P2
3'-0"
6'-0 1/2" CLR
FIVE BELOW
LINE OF CANOPY ABOVE
5'-8"
4'-0"
8"
18'-0"
12'-4"
7'-8"
6'-4"
SF3
102B
METAL THRESHOLD
CONCRETE PLAZA
SEE PAVING PLAN
3'-8"
1'-9 3/4"
10"
102A
SF3
2'-8"
8"
6'-4"
8"
METAL THRESHOLD
SF2
10"
4 3/8"
101A
SF1
SF1
100A
EXP. JNT.
PLANTER
4'-0"
7'-8"
4'-0"
2'-8"
1'-1"
16'-0"
1'-1"
2'-8"
8"
16'-0"
8"
2'-8"
5"
16'-0"
2'-8"
LINE OF CANOPY ABOVE
12'-4"
5'-8"
14'-0"
5'-8"
18'-0"
21'-4"
20'-0"
20'-0"
5"
3"
8
9
9.2
9.8
10
11
12
13
RETAINING WALL, STEPS AND HANDRAIL
SEE CIVIL DRAWINGS

PART B
PART A
FIVE BELOW
ULTA
KOHLS
KEY PLAN

GMC

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GMCNETWORK.COM

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95% REVIEW	05/30/19
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REVISIONS	12/03/19

DESIGNED BY: GMC
DRAWN BY: GMC
CHECKED BY: GMC

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

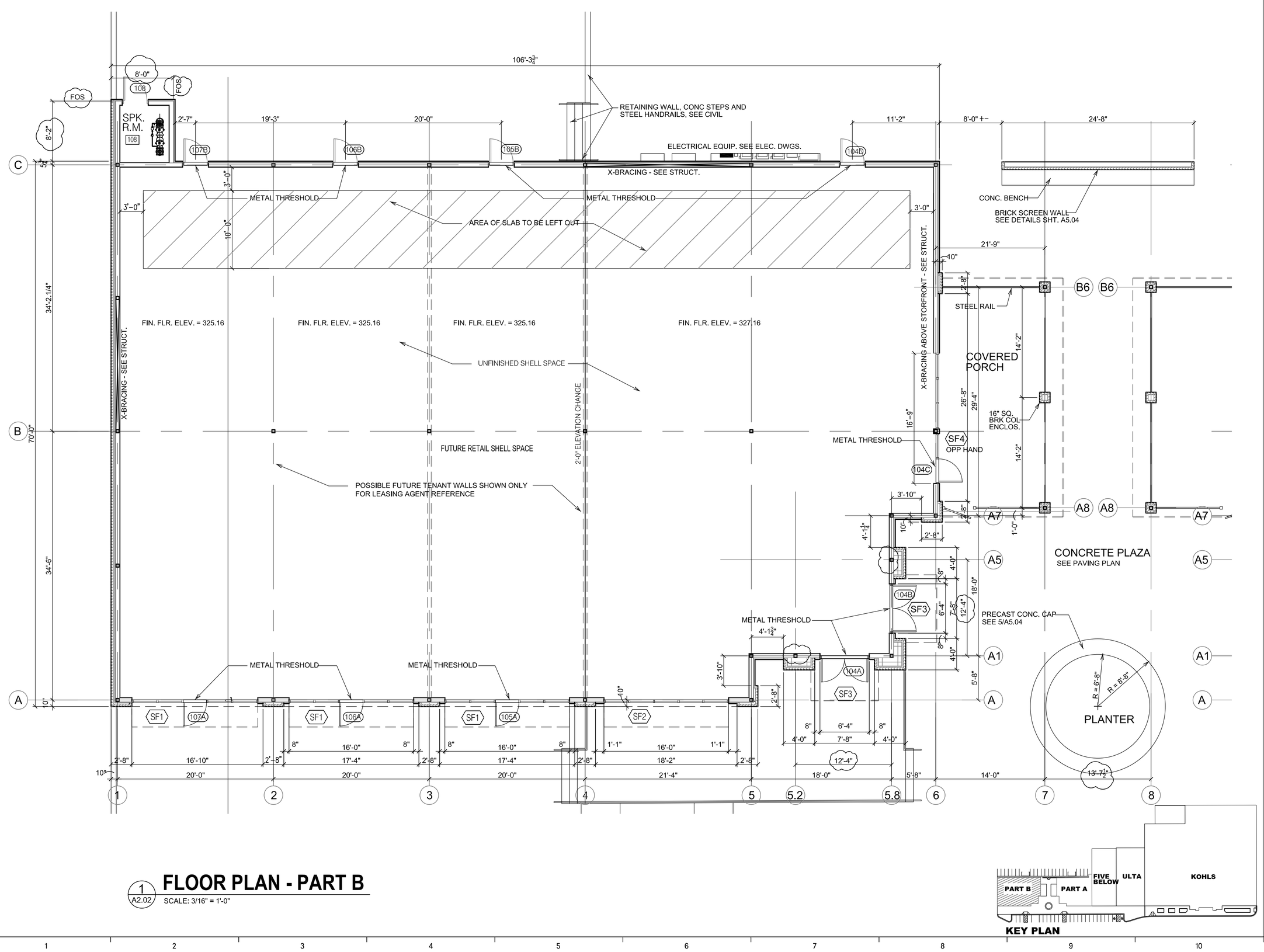
STATE OF ALABAMA
W.E. WALLACE 2925
T.A. BASSETT 4140
F.E. LYNN, JR. 3645
REGISTERED ARCHITECT

FLOOR PLAN - PART A

A2.01
sheet of

FLOOR PLAN - PART B

1 / A2.02 SCALE: 3/16" = 1'-0"



KEY PLAN

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CHECKED BY: GMC

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

STATE OF ALABAMA
M.E. WALLACE 2925
T.A. BASSETT 4140
F.E. LYNN, JR. 3648
REGISTERED ARCHITECT

FLOOR PLAN - PART B

A2.02 sheet of

DOOR SCHEDULE - PARTS A & B

DOOR NO.	LOCATION	SIZE	TYPE	MATERIAL	FINISH	FRAME	FINISH	HDW. SET	HEAD/JAMB	REMARKS
100A	JM'S ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
100B	JM'S REAR DOOR	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
100C	JM'S TOILET	3'-0"x 7'-0"x 1.3/4"	E	H.C.WOOD	PRE-HUNG	HOLLOW MET.	PAINTED	SET 4	3/A2.03-4/A2.03	
100D	JM'S TOILET	3'-0"x 7'-0"x 1.3/4"	E	H.C.WOOD	PRE-HUNG	HOLLOW MET.	PAINTED	SET 4	3/A2.03-4/A2.03	
101A	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
101B	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
102A	TENANT ENTRANCE	PR. 3'-0"x 7'-0"x 1.3/4"	A	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
102B	TENANT ENTRANCE	PR. 3'-0"x 7'-0"x 1.3/4"	A	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
102C	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
102D	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
103	SPRINKLER RISER	3'-0"x 7'-0"x 1.3/4"	D	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 3	1/A2.03-2/A2.03	
104A	TENANT ENTRANCE	PR. 3'-0"x 7'-0"x 1.3/4"	A	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
104B	TENANT ENTRANCE	PR. 3'-0"x 7'-0"x 1.3/4"	A	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
104C	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
104D	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
105A	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
105B	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
106A	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
106B	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
107A	TENANT ENTRANCE	3'-0"x 7'-0"x 1.3/4"	B	ALUMINUM	FACTORY	ALUMINUM	FACTORY	SET 1	SEE SHOP DWGS.	
107B	TENANT REAR EXIT	3'-0"x 7'-0"x 1.3/4"	C	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 2	1/A2.03-2/A2.03	
108	SPRINKLER RISER	3'-0"x 7'-0"x 1.3/4"	D	HOLLOW MET.	PAINTED	HOLLOW MET.	PAINTED	SET 3	1/A2.03-2/A2.03	

SET NO. 1 - ENTRY DOORS

NORTON #8501-H CLOSURE
PULL TO BE HAGER #P4E, 32D OR APPROVED EQ.
PUSH TO BE HAGER #80S, 32D OR APPROVED EQ.
LOCK TO BE 7 PIN BEST ACCEPTABLE CYLINDER W/TEE TURN INSIDE & EXTERIOR CYLINDER GUARD, MAJOR MANUF. #CGL-26D.
HOLD OPEN FOOT TO BE HAGER 270D - US26D. FINISH TO MATCH STOREFRONT
WEATHERING PER MANUF. SPECS, INCLUDING FLOOR SWEEPS
CHAINHOLD TO BE HAGER #300D-25½" - US26D

SET NO. 2 - EXIT DOOR W/PANIC HARDWARE

NORTON #8501-H CLOSURE
TAMPER PROOF HINGES
ALUMINUM THRESHOLD
DETEX ECL-230D EXIT DEVICE
24" x 34" STAINLESS STEEL KICK PLATE
WEATHERSTRIPPING
RAIN GUARD ABOVE
HAGER 1755 180 DEGREE DOOR VIEWER
ALL HARDWARE TO ACCEPT A BEST 7 PIN CORE
BEST 7 PIN CONSTRUCTION CORE TO BE INSTALLED

SET NO. 3 - SPRINKLER RISER

CLOSER LCN 4041, ALUMINUM FINISH
HINGES TO BE IVES 5BB1-NRP, 626
LOCKSET SCHLAGE ND SERIES 20-022 RIM CYLINDER, FINISH MATCH DOOR
EXIT DEVICE RIM-EXIT ONLY, HAGER 4500 SERIES 45NL ARC US26D
WEATHERING: 1885-H&J x 8198 AAX 142A
THRESHOLD 625A 626

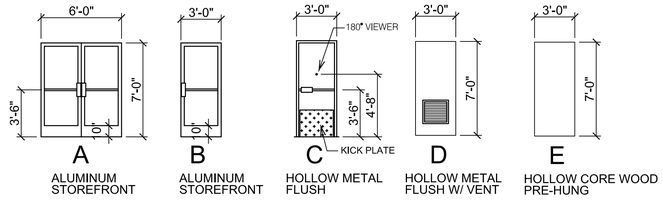
SET NO. 4 - TOILET

3 HINGE	TA2714 4.1/2" x 4.1/2"	US26D MK
1 PRIVACY SET	AU4707LN	US26D YA
1 DOOR STOP	409 / 446 (AS REQUIRED)	US32D RO

DOOR GENERAL NOTES:

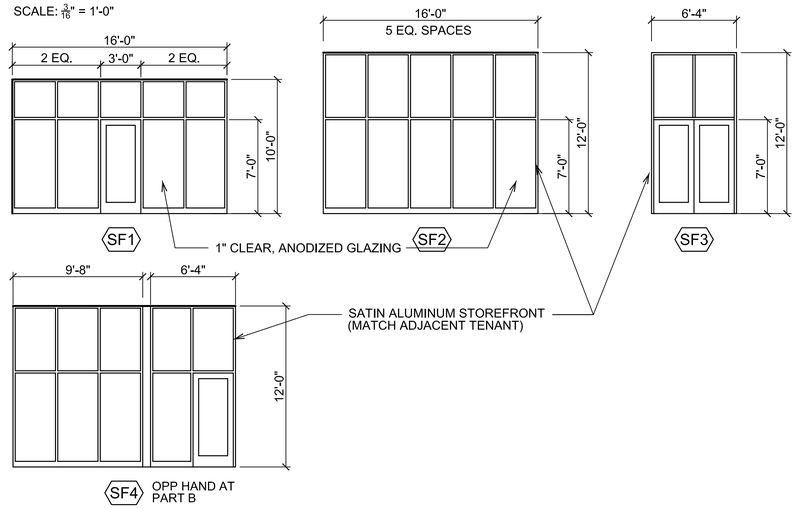
1. ALL DOORS SHALL MEET A.D.A. REQUIREMENTS.
2. ALL DOOR THRESHOLDS SHALL NOT EXCEED 1/2" HEIGHT
3. PROVIDE SEALANT BOTH SIDES OF DOOR FRAMES, WHERE DIFFERENT MATERIALS MEET AND FOR WEATHER TIGHTNESS.
4. INSTALL FIBERGLASS INSULATION IN ALL EXTERIOR HOLLOW METAL DOOR FRAMES.
5. VERIFY ALL ROUGH OPENING REQUIREMENT WITH MANUFACTURES DRAWINGS.
6. DOOR, FRAME AND HARDWARE SCHEDULE TO BE PROVIDED BY HARDWARE SUPPLIER FOR A/E REVIEW - NUMBERING SYSTEM AND NOMENCLATURE SHALL MATCH THOSE FOUND IN CONSTRUCTION DOCUMENTS.
7. HARDWARE SUPPLIER IS RESPONSIBLE FOR COORDINATING KEYING REQUIREMENTS WITH OWNER.
8. ALUMINUM SUPPLIER SHALL FURNISH AND INSTALL ALL HARDWARE FOR ALUMINUM DOORS AS NOTED ON PLANS - THE SAME MANUFACTURES AND MODELS SHALL BE USED FOR BOTH ALUMINUM AND OTHER DOOR HARDWARE.
9. CONTRACTOR TO PROVIDE PRODUCTS AND SYSTEMS COMPLETE WITH ALL ACCESSORIES, TRIM, FINISH, FASTENERS AND OTHER ITEMS NEEDED FOR A COMPLETE INSTALLATION AND INTENDED USE AND EFFECT.
10. FERROUS METAL (PAINTED) - DOORS, FRAMES, HANDRAILS & MISC. METALS:
    a. (1) COAT SW KEM KROMIC UNIVERSAL METAL PRIMER, B50WZ SERIES
    b. (2) COSTS PRO MAR 200 ALKYD ENAMEL EG-SHEL OR SEMI GLOSS B33 OR B34 SERIES.

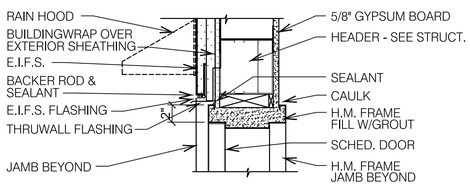
DOOR TYPES



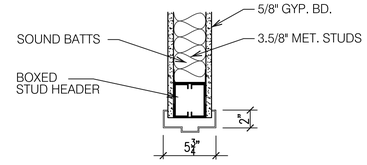
STOREFRONT ELEVATIONS

SCALE: 3/16" = 1'-0"

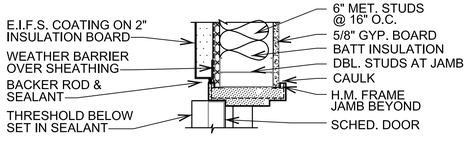




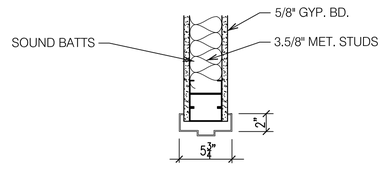
1 A2.03 **DOOR HEAD** SCALE: 1-1/2" = 1'-0"



3 A2.03 **DOOR HEAD** SCALE: 1-1/2" = 1'-0"



2 A2.03 **DOOR JAMB** SCALE: 1-1/2" = 1'-0"



4 A2.03 **DOOR JAMB** SCALE: 1-1/2" = 1'-0"

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THE EXCHANGE AT HOMEPLACE
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GMC PROJECT#AMGM180037

STATE OF ALABAMA
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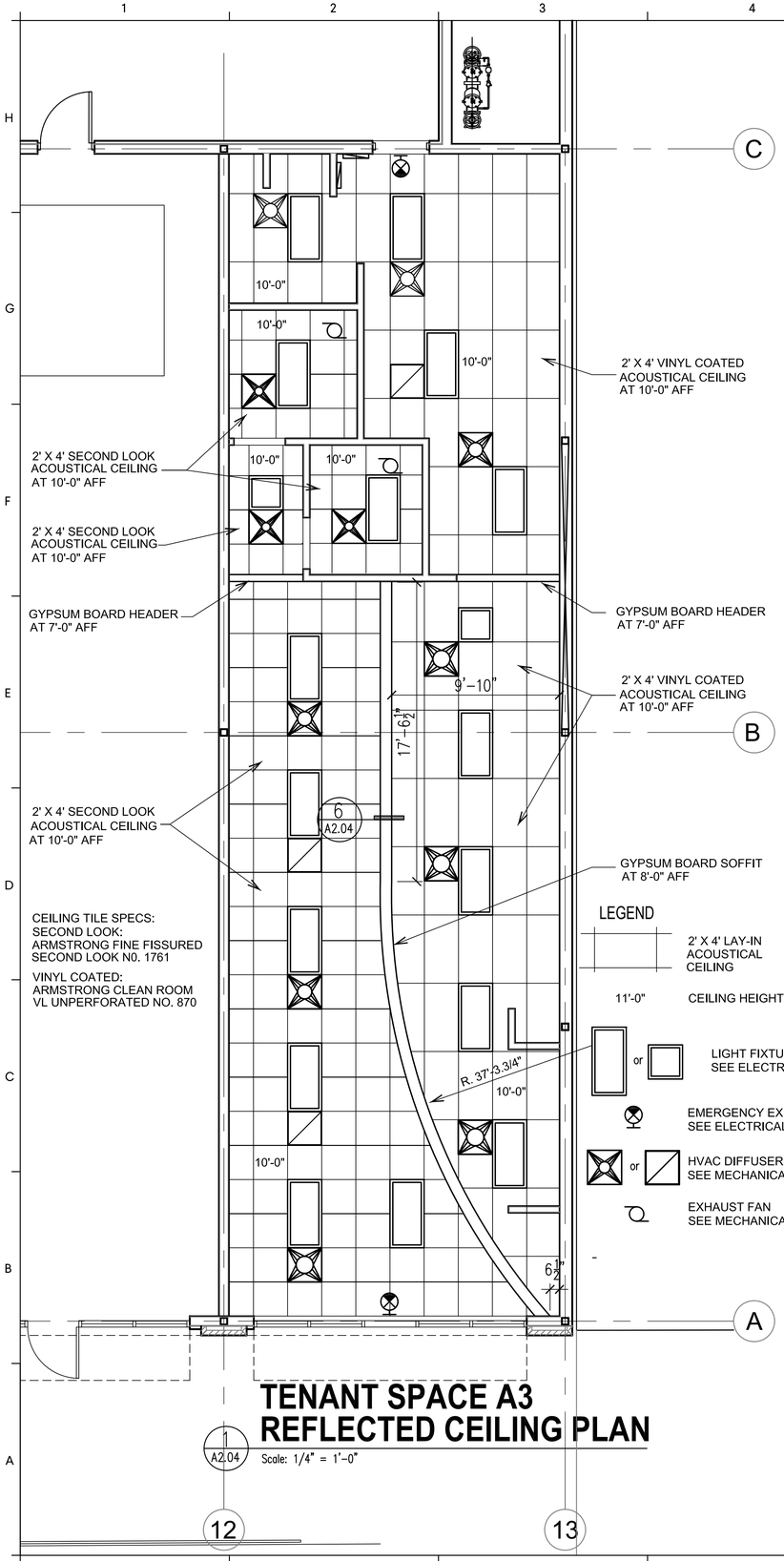
T.A. BASSETT 4141
J.E. LYNN, JR. 3646
REGISTERED ARCHITECT

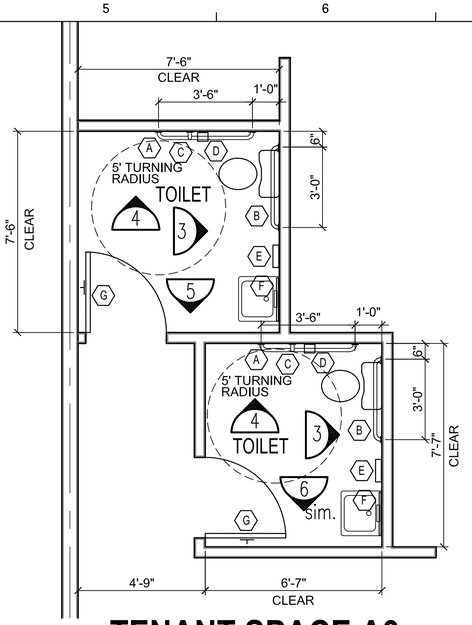
SCHEDULES / DETAILS

A2.03
sheet of



TENANT SPACE A3 REFLECTED CEILING PLAN

1 A2.04 Scale: 1/4" = 1'-0"

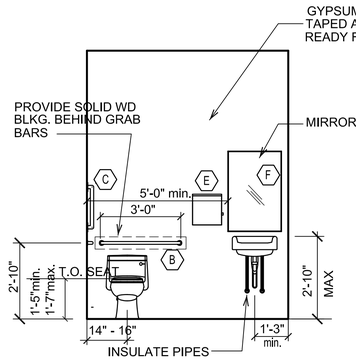


TENANT SPACE A3 TOILET PLANS

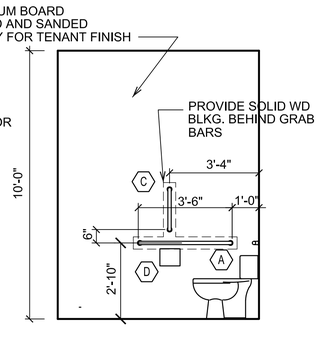
2 A2.04 SCALE: 3/8" = 1'-0"

TOILET ACCESSORY LEGEND

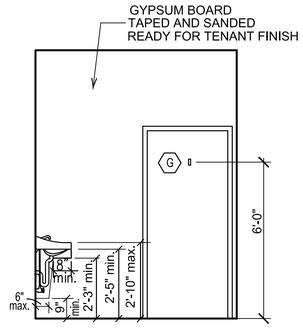
A	42" LONG GRAB BAR	ASI 6806-42P OR EQ.
B	36" LONG GRAB BAR	ASI 6806-36P OR EQ.
C	18" VERT. GRAB BAR	ASI 6806-18P OR EQ.
D	TOILET PAPER DISPENSER	ASI 0715 OR EQ.
E	PAPER TOWEL DISPENSER	ASI 0210 OR EQ.
F	METAL FRAMED MIRROR	ASI 0620-2436 OR EQ.
G	COAT HOOK	ASI 8425 OR EQ.
H	MOP RACK	ASI 1315-3 OR EQ.



3 A2.04 **ELEV.** Scale: 3/8" = 1'-0"

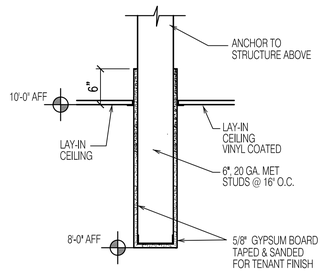


4 A2.04 **ELEV.** Scale: 3/8" = 1'-0"



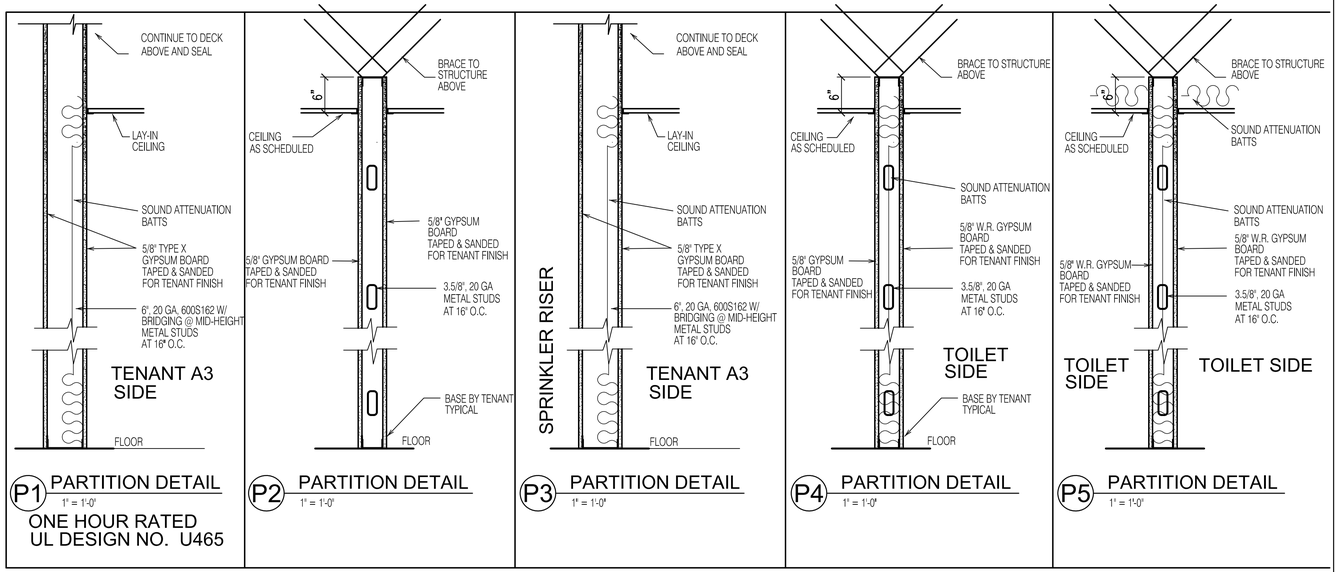
INTERIOR ELEVATION MARK 6 IS SIMILAR W/O DOOR.

5 A2.04 **ELEV.** Scale: 1/4" = 1'-0"



6 A2.04 **SOFFIT DETAIL** Scale: 1" = 1'-0"

TENANT SPACE A3 PARTITION TYPES



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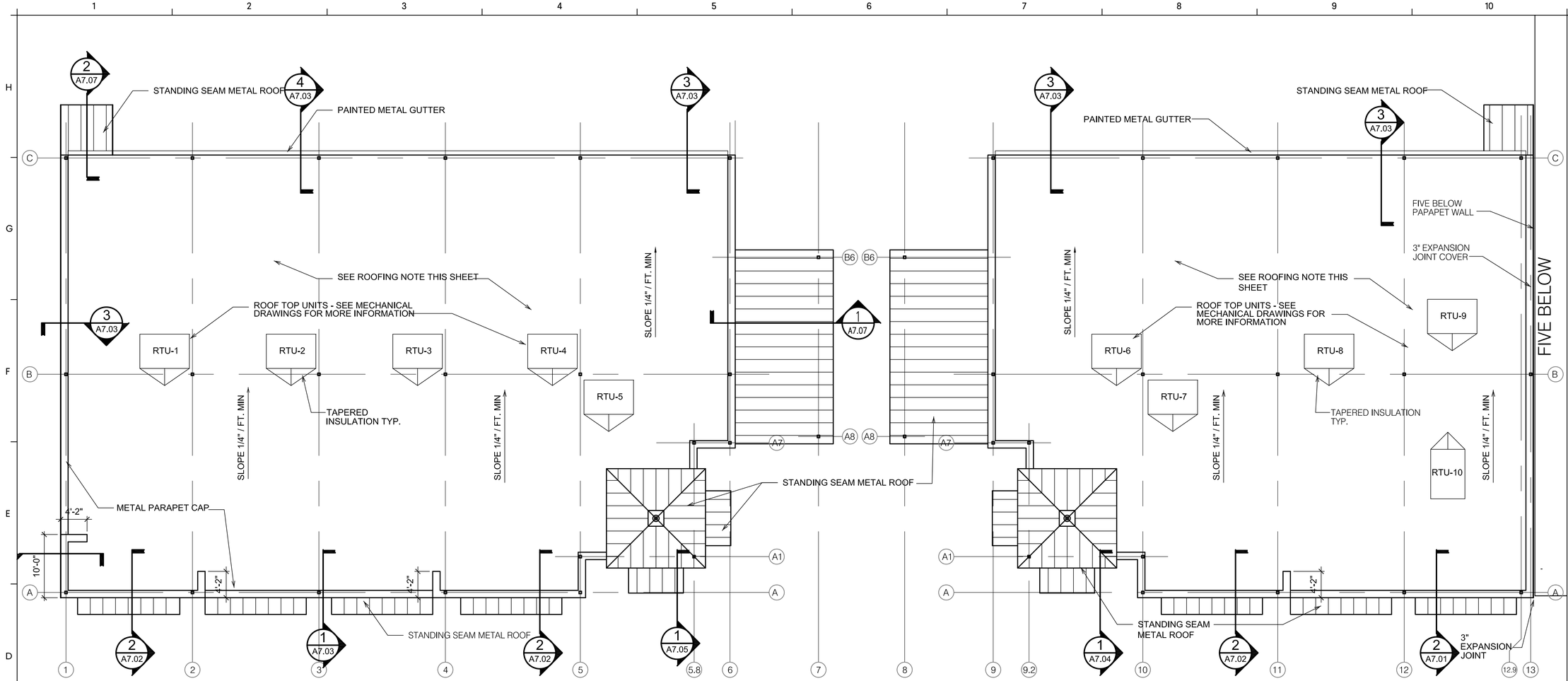
TENANT SPACE A3
REFLECTED CEILING PLAN
ELEVATIONS AND
DETAILS

A2.04
sheet of



NEW RETAIL SHELL -PART B

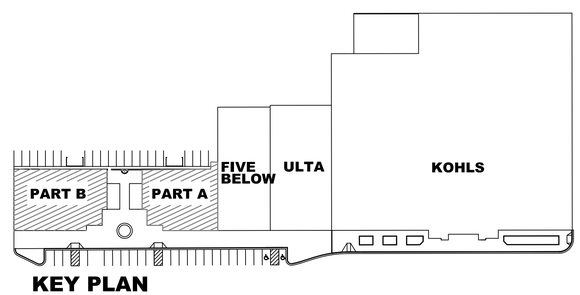
NEW RETAIL SHELL -PART A

1 A4.01 COMPOSITE ROOF PLAN

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

ROOFING:

THE ROOF SHALL BE A FULLY ADHERED MEMBRANE ROOFING SYSTEM WITH A MINIMUM R-20 INSULATION. ALL ROOFTOP EQUIPMENT, VENTING AND CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NRCA STANDARDS AND ROOFING MANUFACTURERS SPECIFICATIONS. THE ROOF SHALL MEET THE REQUIREMENTS OF THE TENANT'S PROPERTY INSURANCE CARRIER, FACTORY MUTUAL.



KEY PLAN

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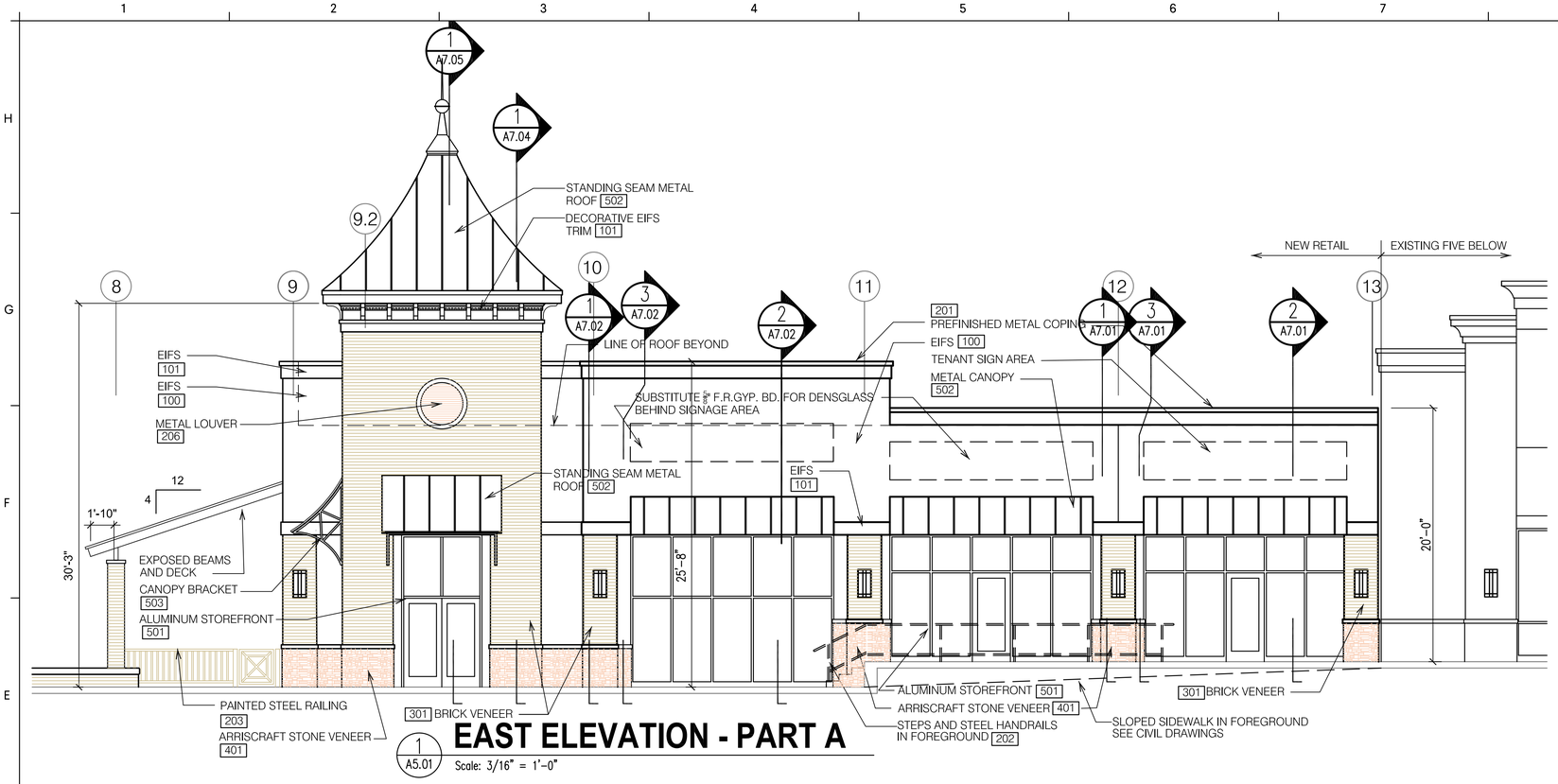
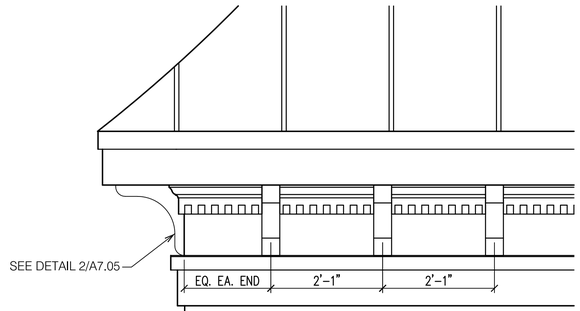
COMPOSITE ROOF PLANS

A4.01
sheet of



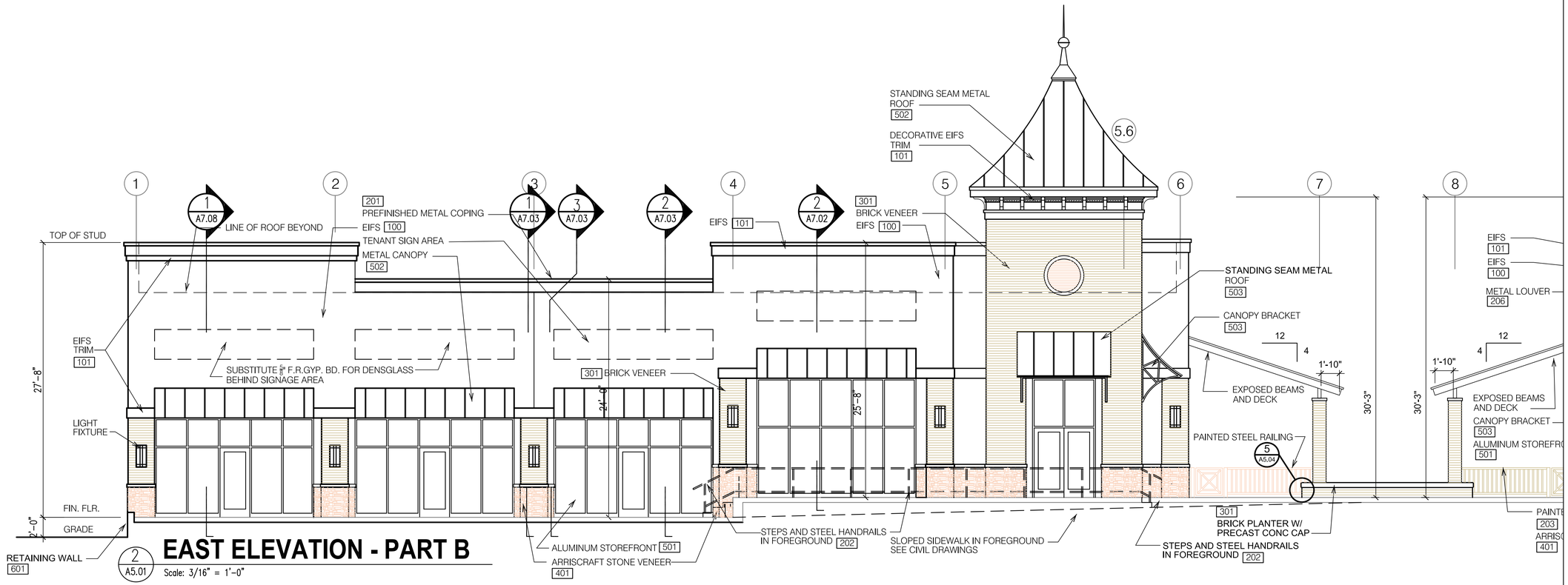
EAST ELEVATION - PART A

1 A5.01 Scale: 3/16" = 1'-0"



SOFFIT DETAIL AT TOWERS

3 A5.01 Scale: 3/4" = 1'-0"



EAST ELEVATION - PART B

2 A5.01 Scale: 3/16" = 1'-0"

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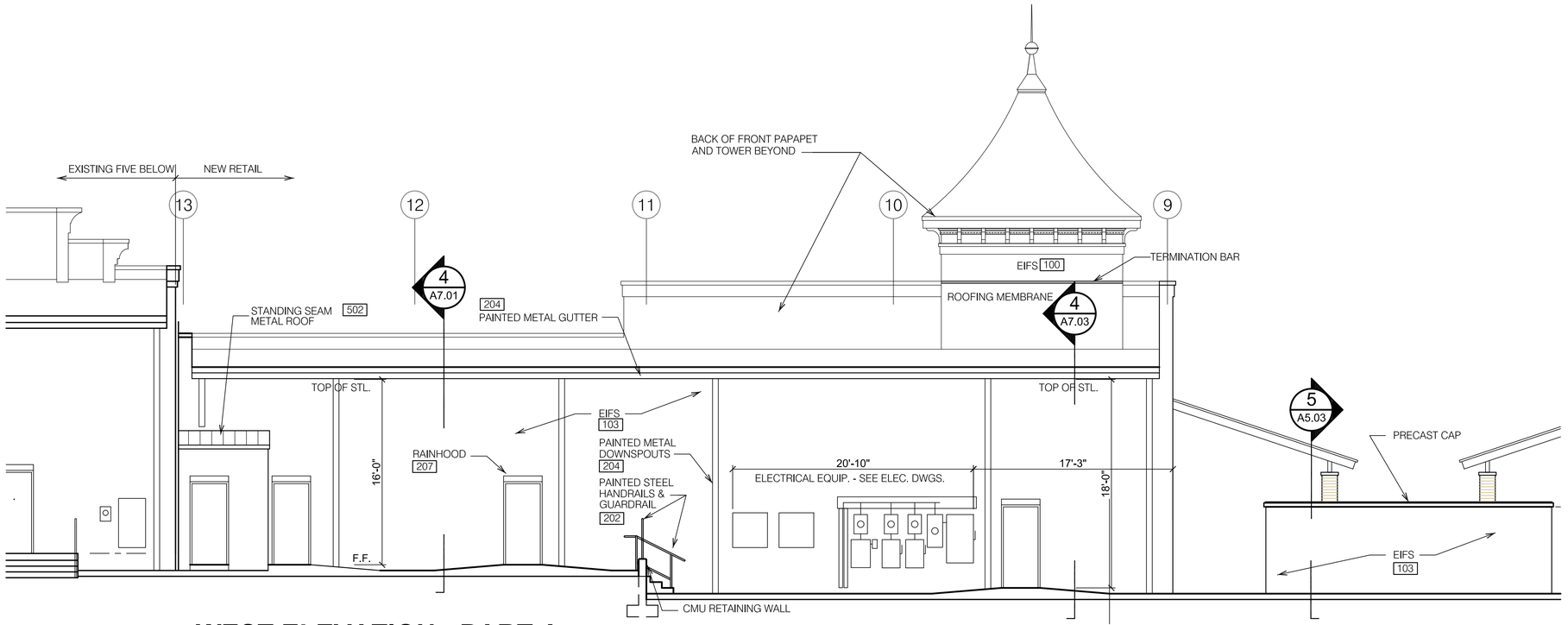
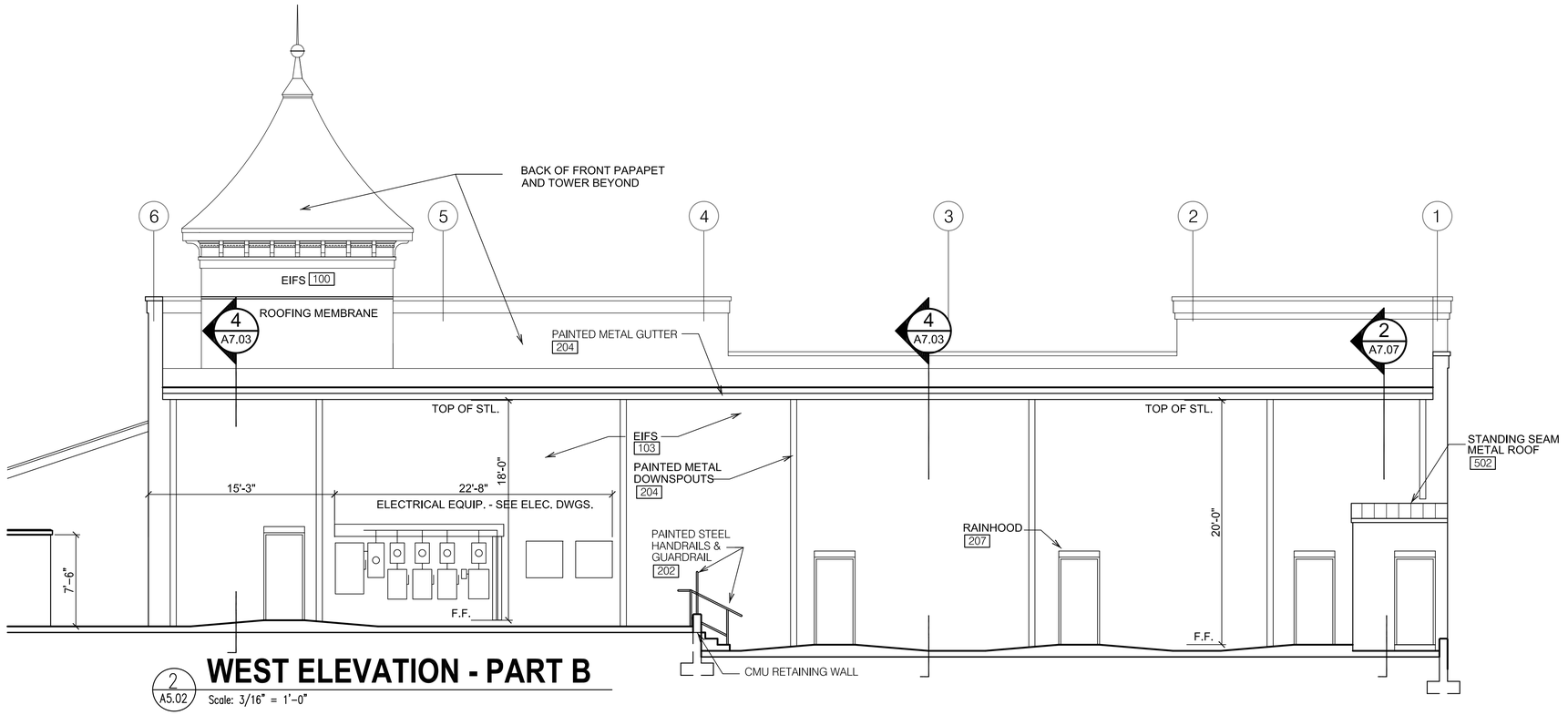
EAST ELEVATIONS
PARTS A & B

A5.01
sheet of



1 A5.02 **WEST ELEVATION - PART A**

Scale: 3/16" = 1'-0"



2 A5.02 **WEST ELEVATION - PART B**

Scale: 3/16" = 1'-0"

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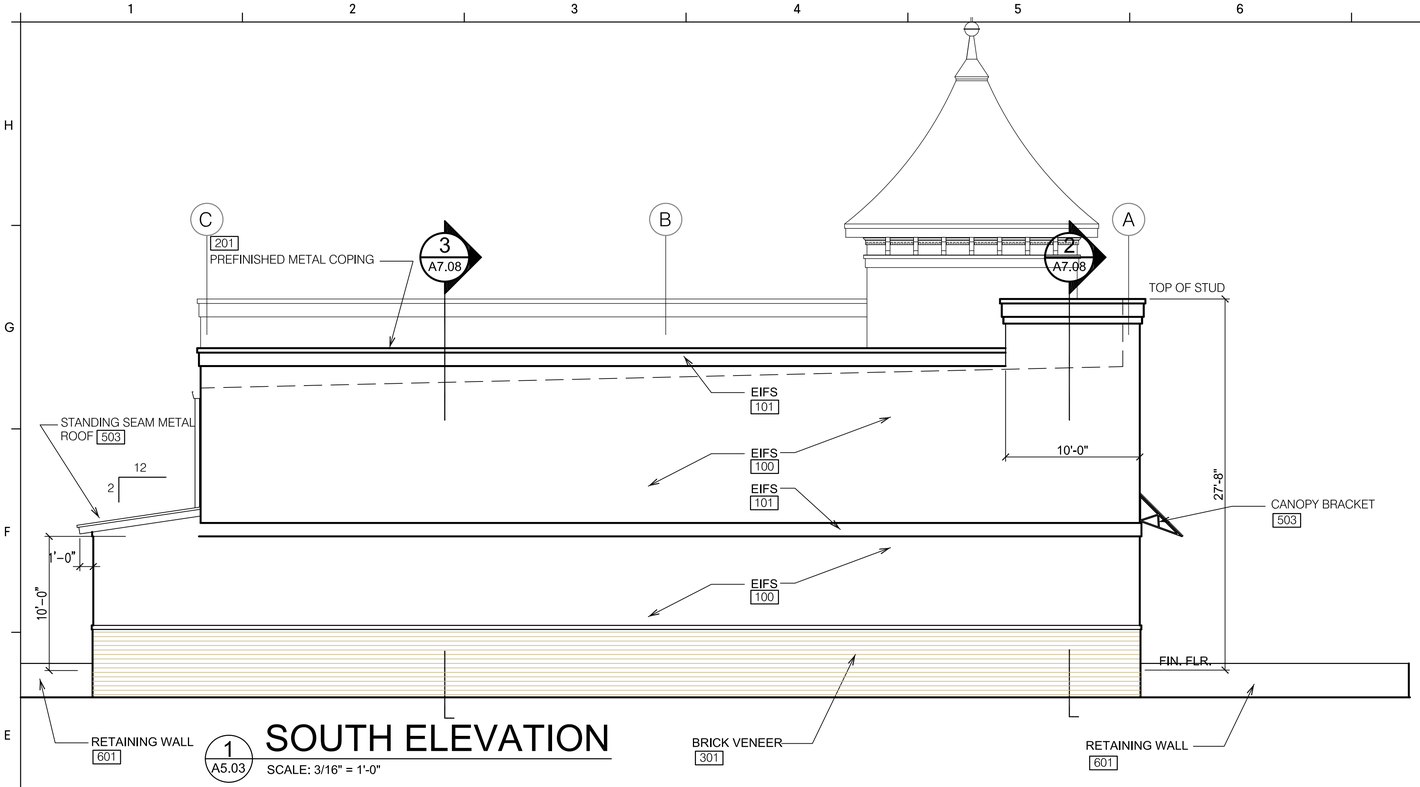
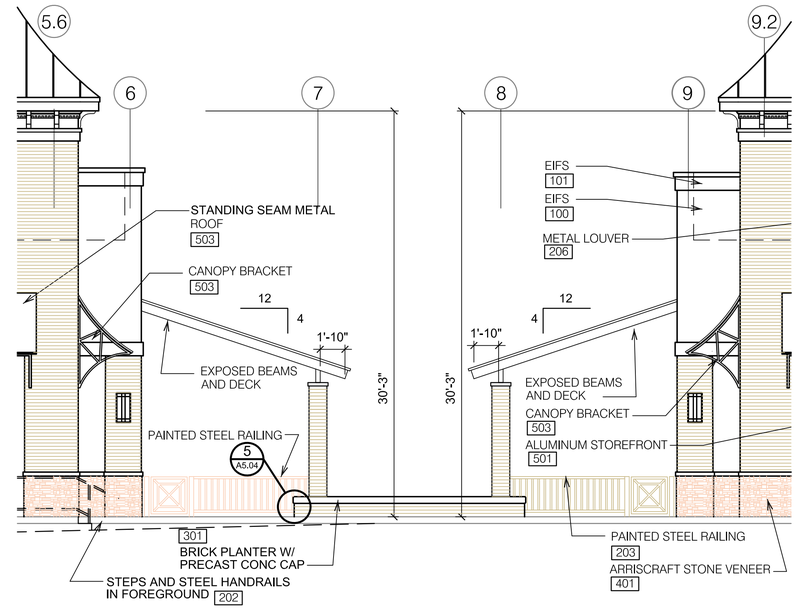
WEST ELEVATIONS PARTS A & B

sheet A5.02 of



SOUTH ELEVATION

1 / A5.03 SCALE: 3/16" = 1'-0"



COURTYARD ELEVATION

3 / A5.03 Scale: 3/16" = 1'-0"

NORTH ELEVATION THRU COURTYARD

2 / A5.03 Scale: 3/16" = 1'-0"

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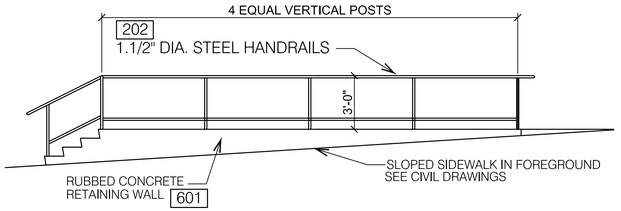
E.E. LYNN, JR. 3642
REGISTERED ARCHITECT

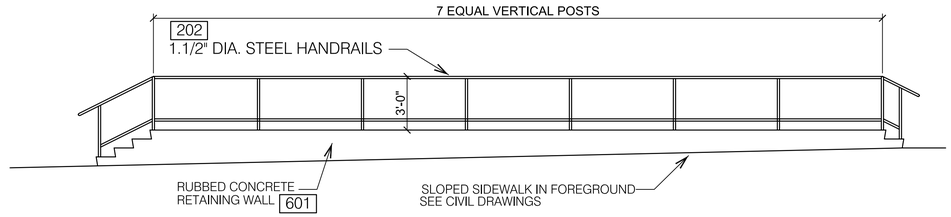
SOUTH ELEVATION
NORTH ELEVATION
COURTYARD ELEVATION

A5.03
sheet of



1 A5.04 **EAST RAILING - PART A**

SCALE: 1/4" = 1'-0"

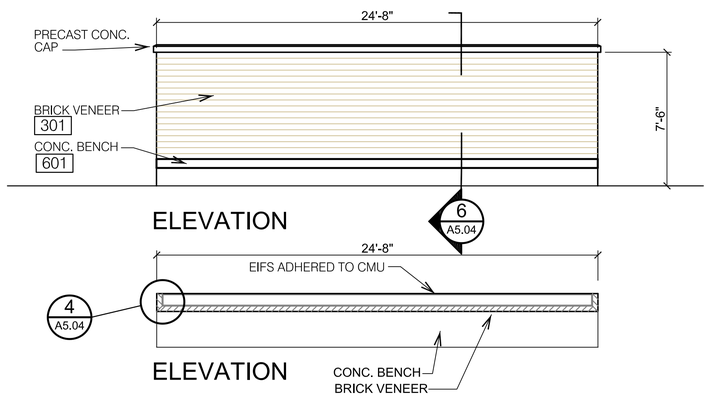


2 A5.04 **EAST RAILING - PART B**

SCALE: 1/4" = 1'-0"

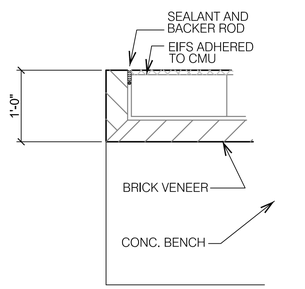
EXTERIOR FINISH MATERIAL SCHEDULE

FIN. NO.	MATERIAL	MANUFACTURER/ SUPPLIER	SERIES/ PRODUCT NO.	COLOR	ADDITIONAL INFO
100	E.I.F.S.	DRYVIT	# 456	OYSTER SHELL	
101	E.I.F.S.	DRYVIT	# 113	AMARILLO WHITE	
103	E.I.F.S.	DRYVIT	# 310	CHINA WHITE	
201	PARAPET CAP			T.B.D.	PROVIDE COLOR CHART
202	STEEL HANDRAILS/ STEEL GUARDRAILS			SHERWIN-WILLIAMS PURE WHITE -7005	
203	STEEL RAILING AND GATES			SHERWIN-WILLIAMS PURE WHITE -7005	
204	METAL GUTTER/ DOWNSPOUTS	PAC CLAD		BONE WHITE	
205	HM DOORS, FRAMES, RAINHOODS			SHERWIN-WILLIAMS PURE WHITE -7005	
206	METAL LOUVERS			T.B.D.	
207	RAINHOOD			SHERWIN-WILLIAMS PURE WHITE -7005	
301	BRICK VENEER	HENRY BRICK		COTTONWOOD	MATCH EXISTING
401	CULTURED STONE	ARRIS-STACK		DESERT SAND	MATCH EXISTING
501	ALUM. STOREFRONT	KAWNEER		SATIN FINISH	MATCH EXISTING
502	STANDING SEAM METAL CANOPY	MATCH EXISTING ENTRY TOWERS		MATCH EXISTING TOWERS	
503	CANOPY BRACKET			SHERWIN-WILLIAMS PURE WHITE -7005	
601	RUBBED CONCRETE RETAINING WALLS			SHERWIN-WILLIAMS PURE WHITE -7005	
602	CONCRETE BOLLARD			SHERWIN-WILLIAMS PURE WHITE -7005	



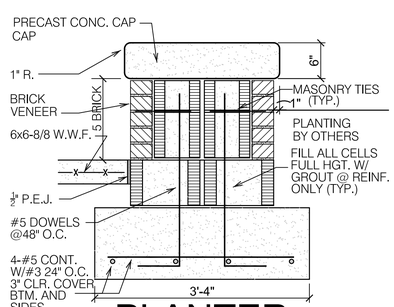
3 A5.04 **COURTYARD WALL DETAILS**

SCALE: 1/4" = 1'-0"



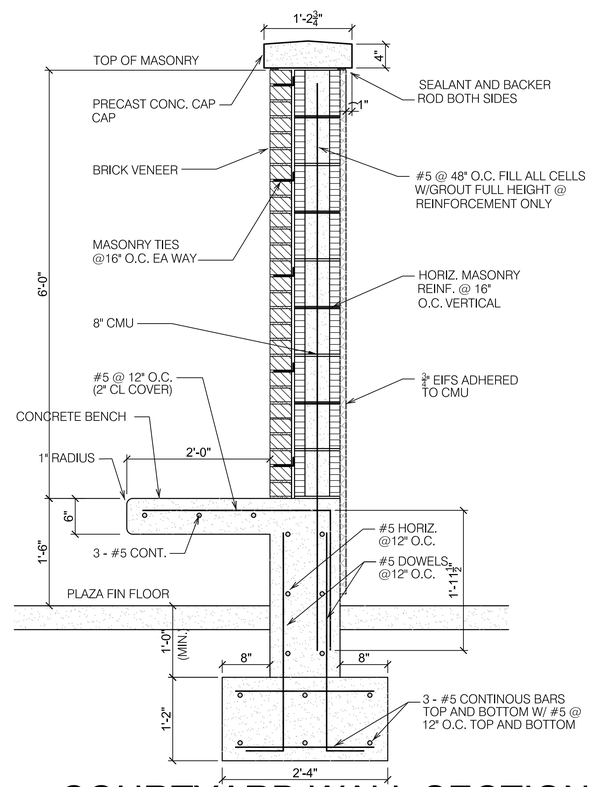
4 A5.04 **WALL DETAILS**

Scale: 1/4" = 1'-0"



5 A5.04 **PLANTER**

SCALE: 1" = 1'-0"



6 A5.04 **COURTYARD WALL SECTION**

SCALE: 1" = 1'-0"

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E. LYNN JR. 3641
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ELEVATION DETAILS

A5.04 sheet of

1 PAVING PLAN

A6.01

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

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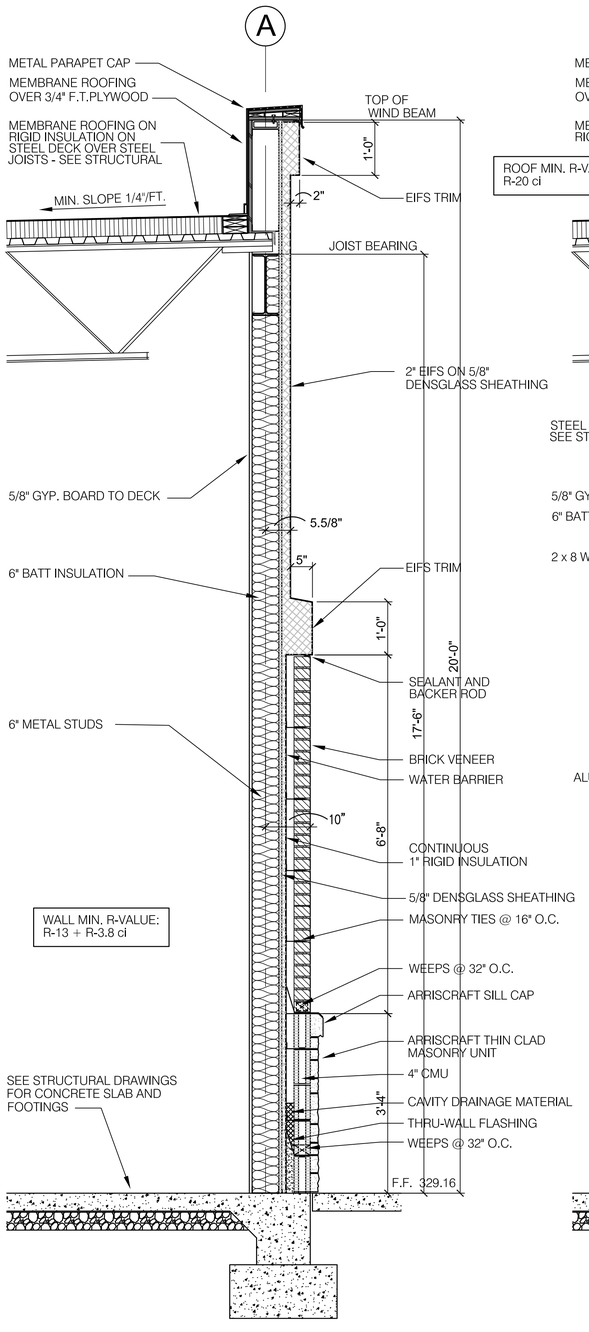
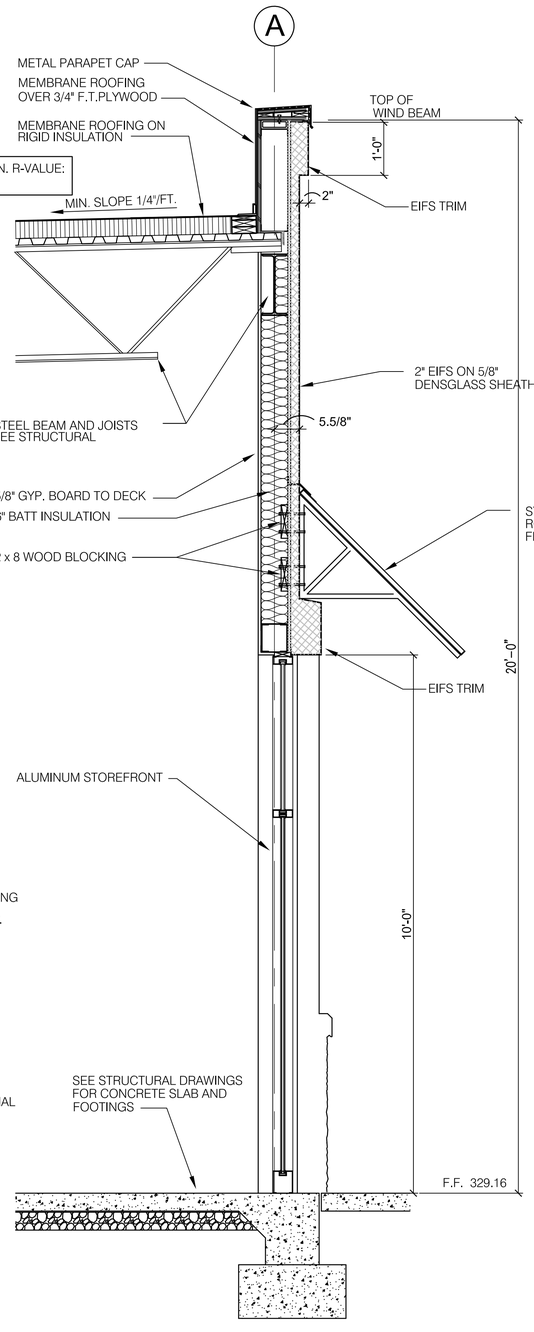
PAVING PLAN

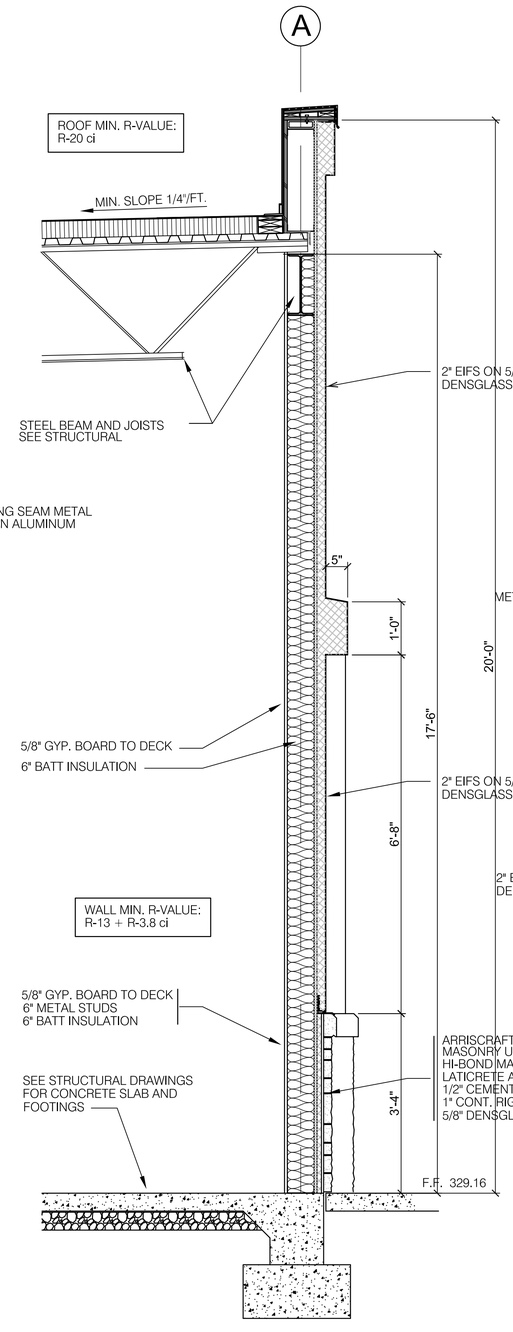
A6.01
sheet of



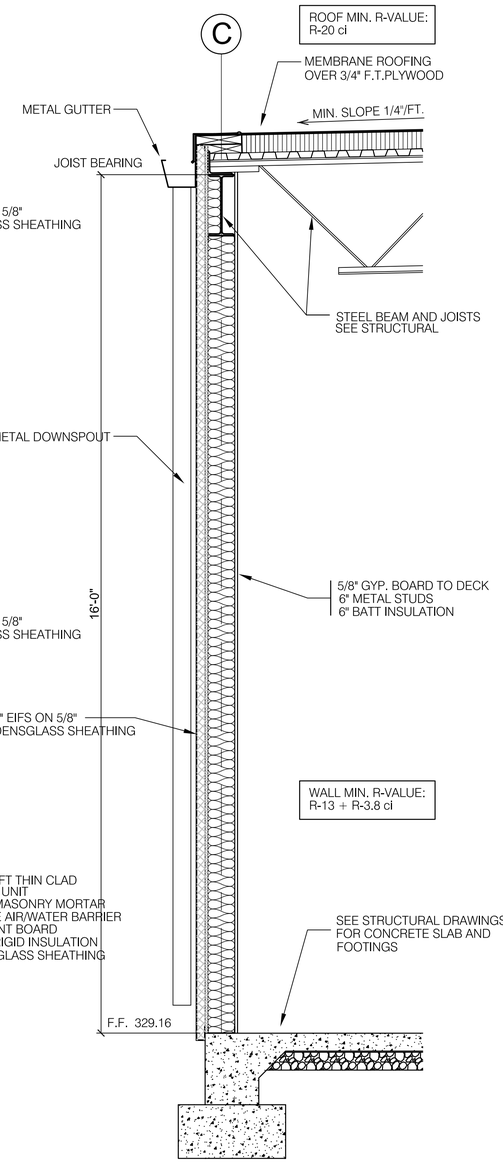
1 **Wall Section**
A7.01 SCALE : ¾" = 1'-0"



2 **Wall Section**
A7.01 SCALE : ¾" = 1'-0"



3 **Wall Section**
A7.01 SCALE : ¾" = 1'-0"



4 **Wall Section**
A7.01 SCALE : ¾" = 1'-0"

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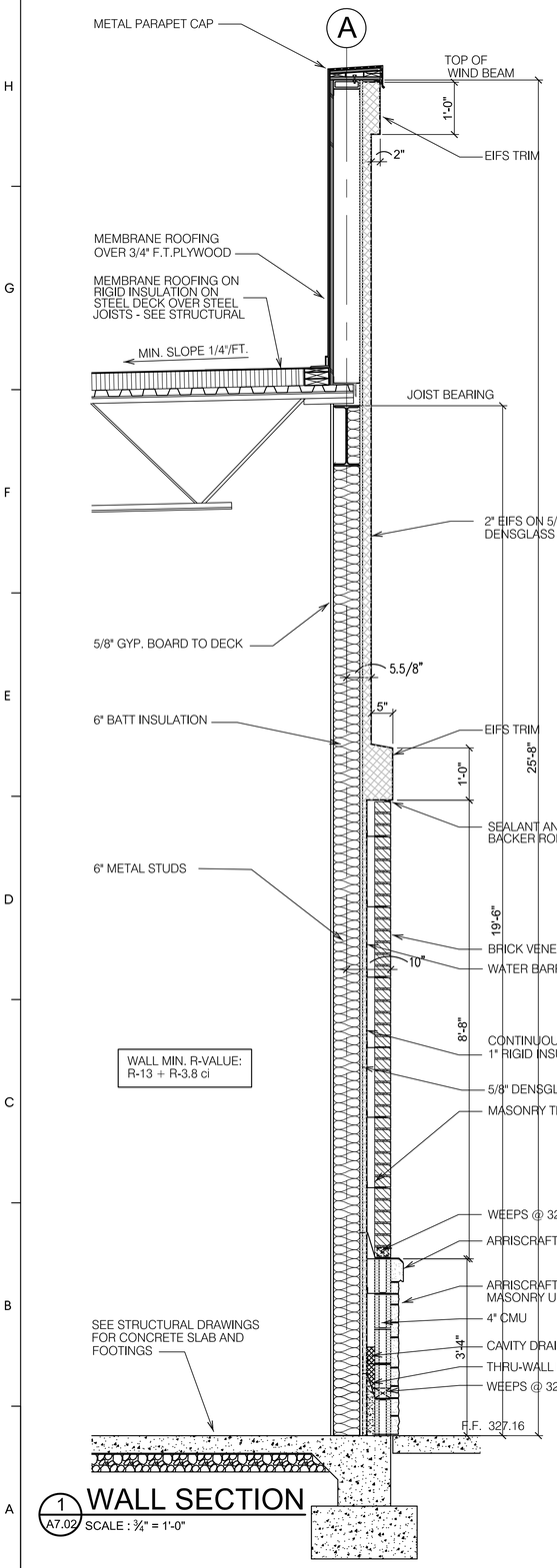
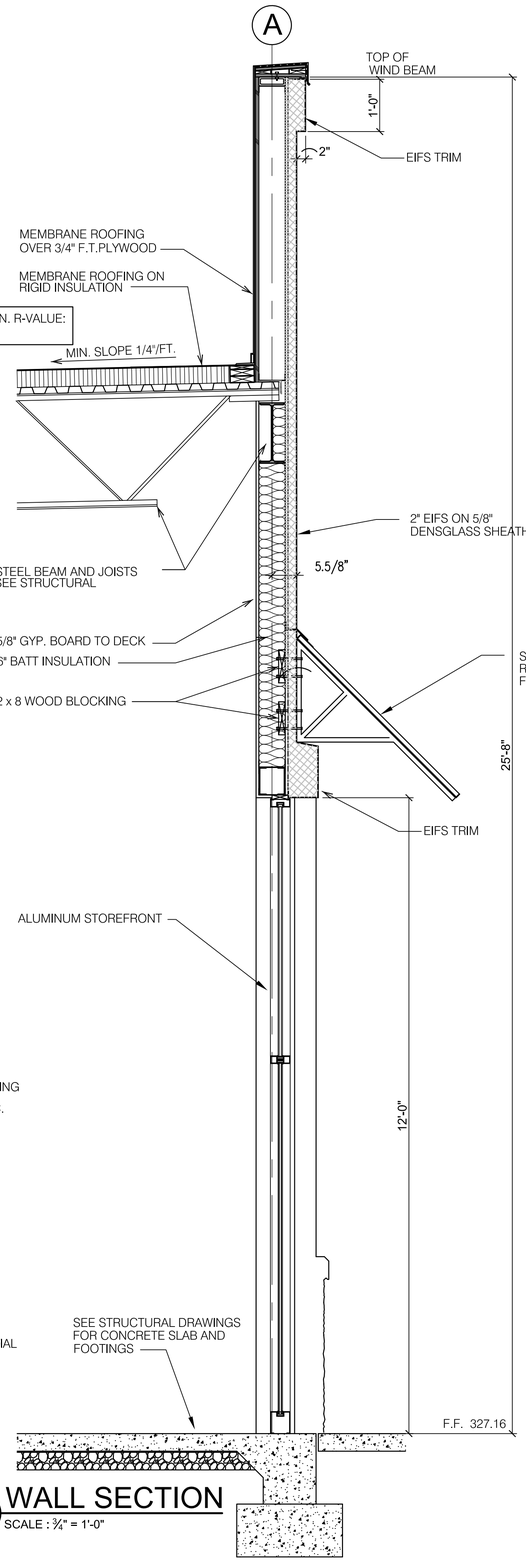
WALL SECTIONS

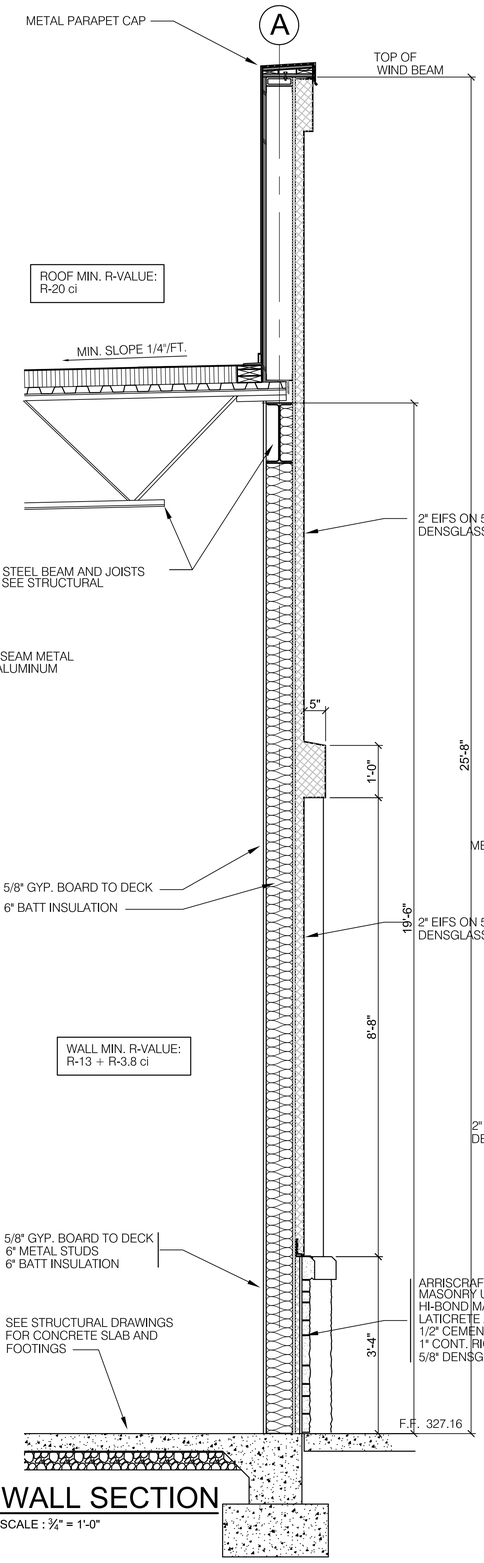
A7.01
sheet of



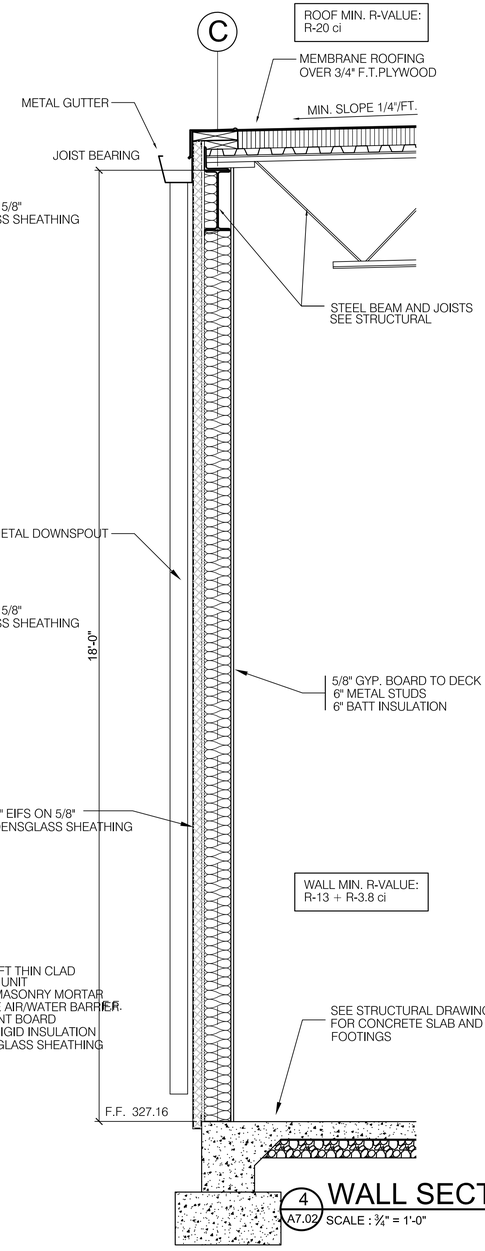
1 A7.02 **WALL SECTION**
SCALE : ¾" = 1'-0"



2 A7.02 **WALL SECTION**
SCALE : ¾" = 1'-0"



3 A7.02 **WALL SECTION**
SCALE : ¾" = 1'-0"



4 A7.02 **WALL SECTION**
SCALE : ¾" = 1'-0"

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THE EXCHANGE AT HOMEPLACE
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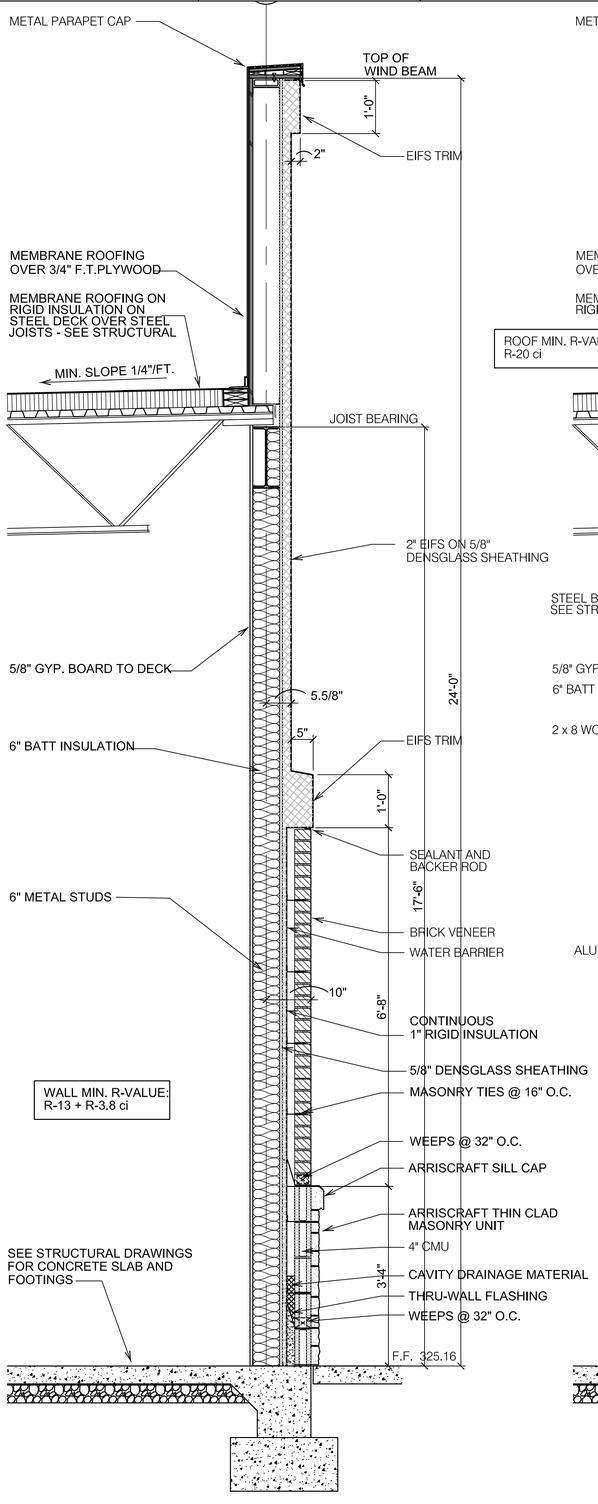
T.A. BASSETT 4140
E.E. LYNN, JR. 3040

WALL SECTIONS

sheet A7.02 of



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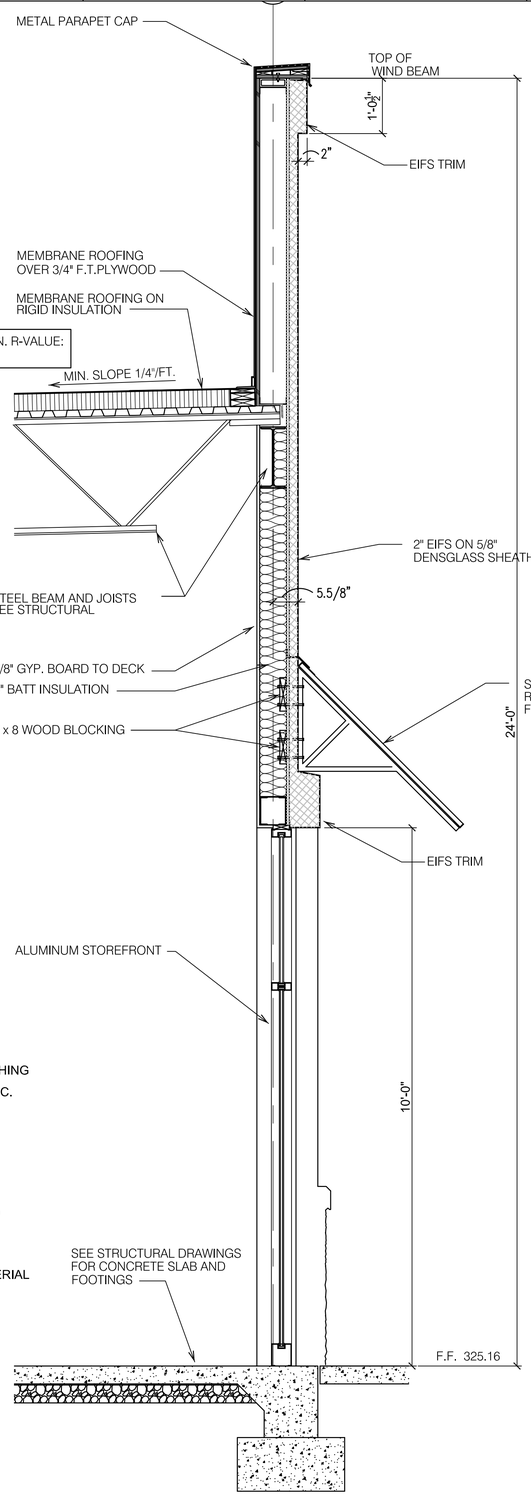

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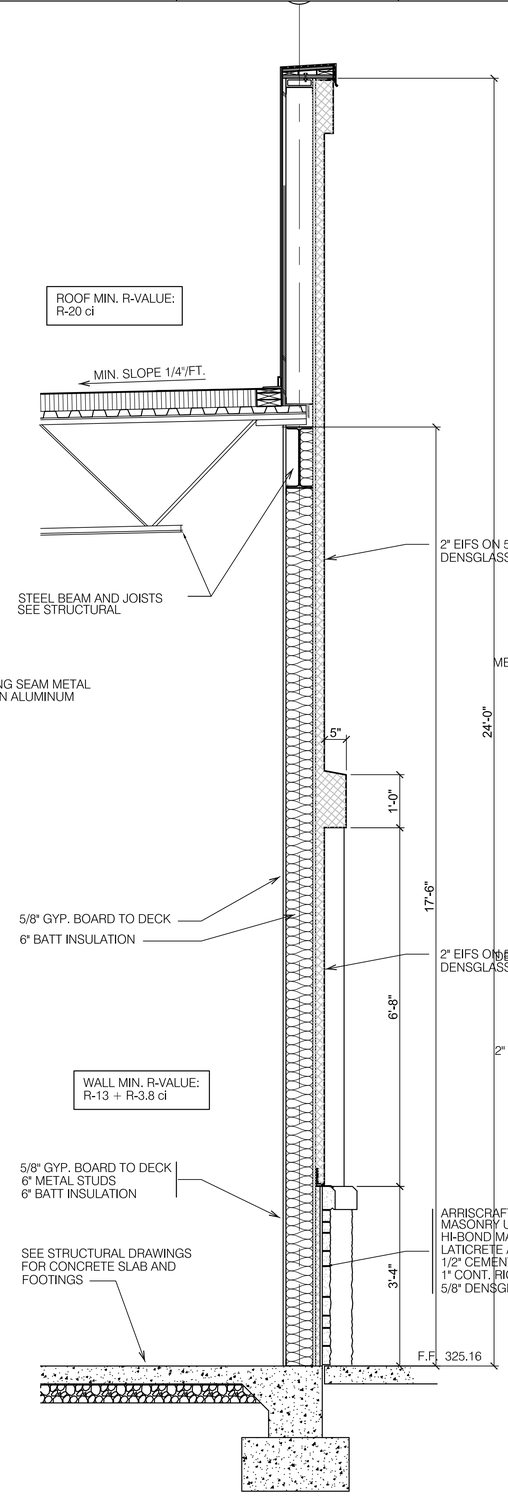

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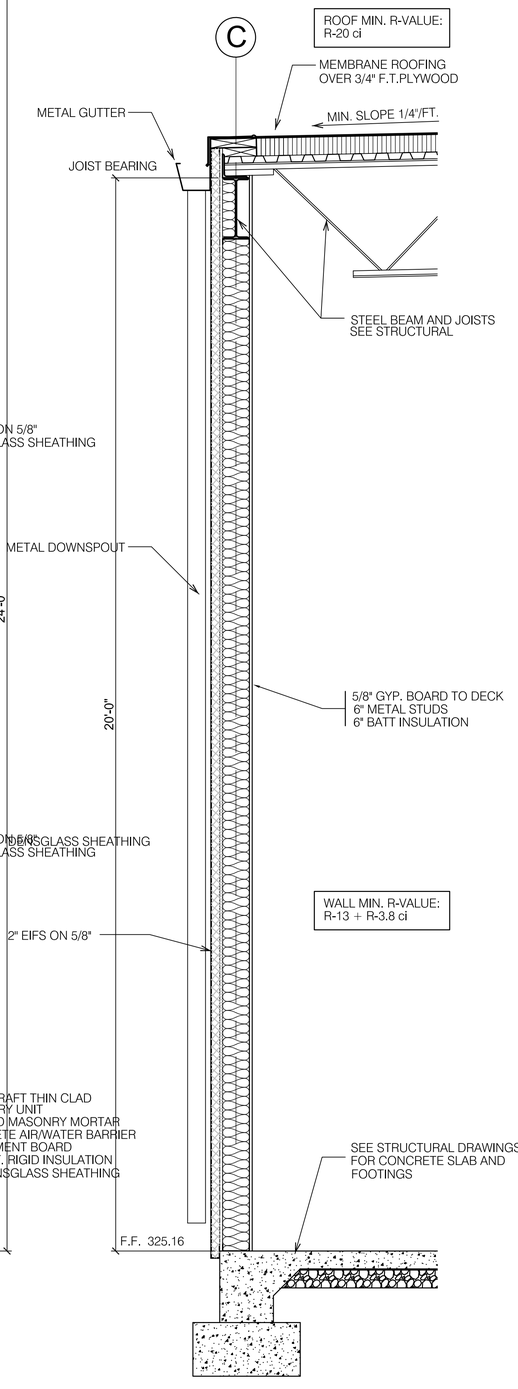

4 A7.03 **WALL SECTION**
SCALE : ¾" = 1'-0"

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THE EXCHANGE AT HOMEPLACE

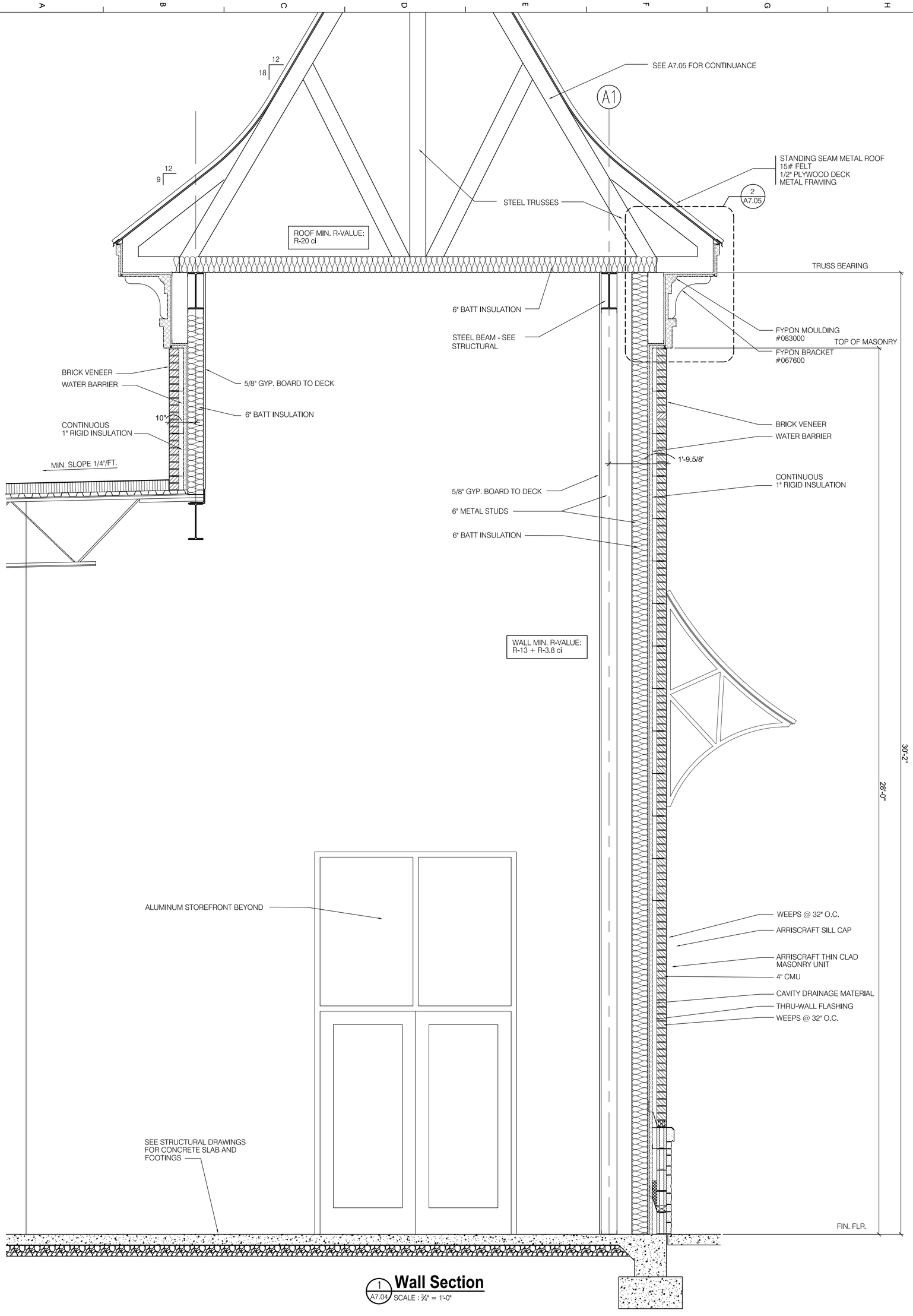
PRATTVILLE, AL

GMC PROJECT#AMGM180037

STATE OF ALABAMA
W.E. WALLACE 2993
J.A. BASSETT 4140
J.E. LYNN, JR. 3642
REGISTERED ARCHITECT

WALL SECTIONS

A7.03 sheet of



1 A7.04 Wall Section

SCALE : ¾" = 1'-0"

WALL SECTIONS

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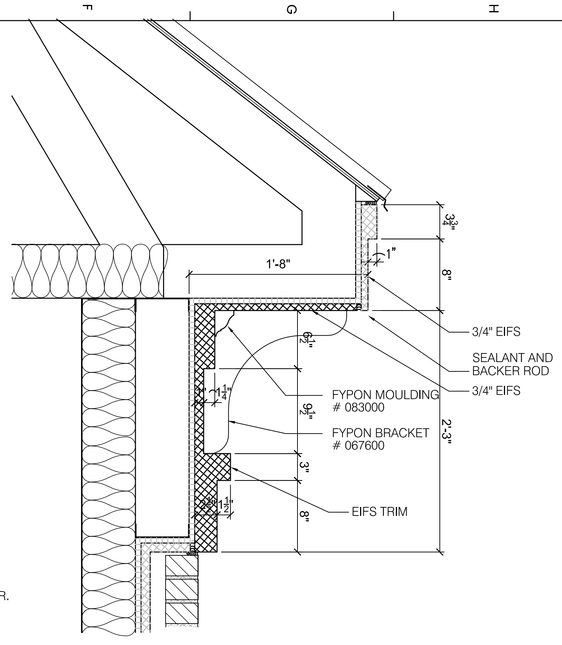
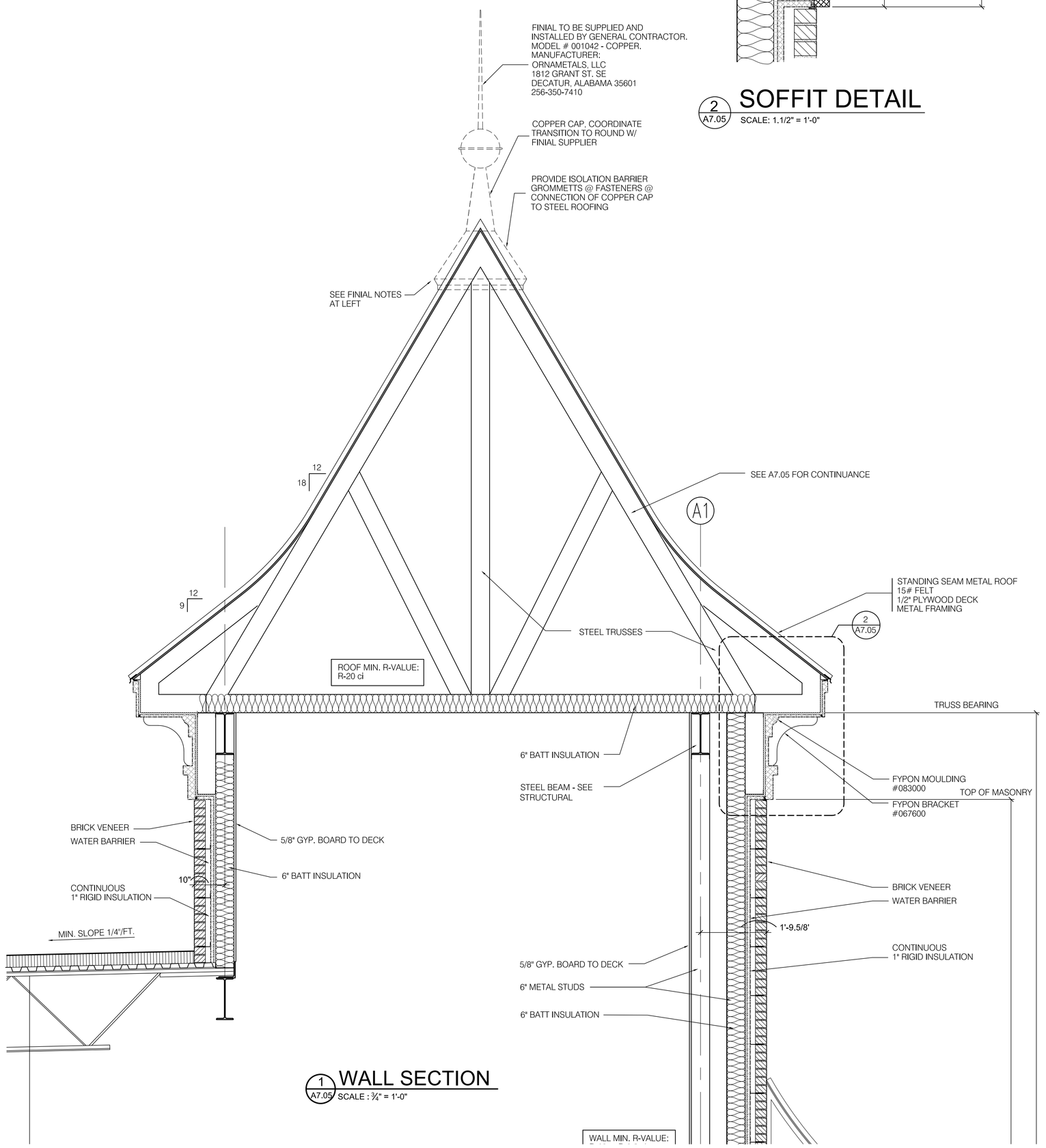


SOFFIT DETAIL

2 / A7.05 SCALE: 1.1/2" = 1'-0"



WALL SECTION

1 / A7.05 SCALE : ¾" = 1'-0"

WALL SECTIONS

A7.05
sheet of

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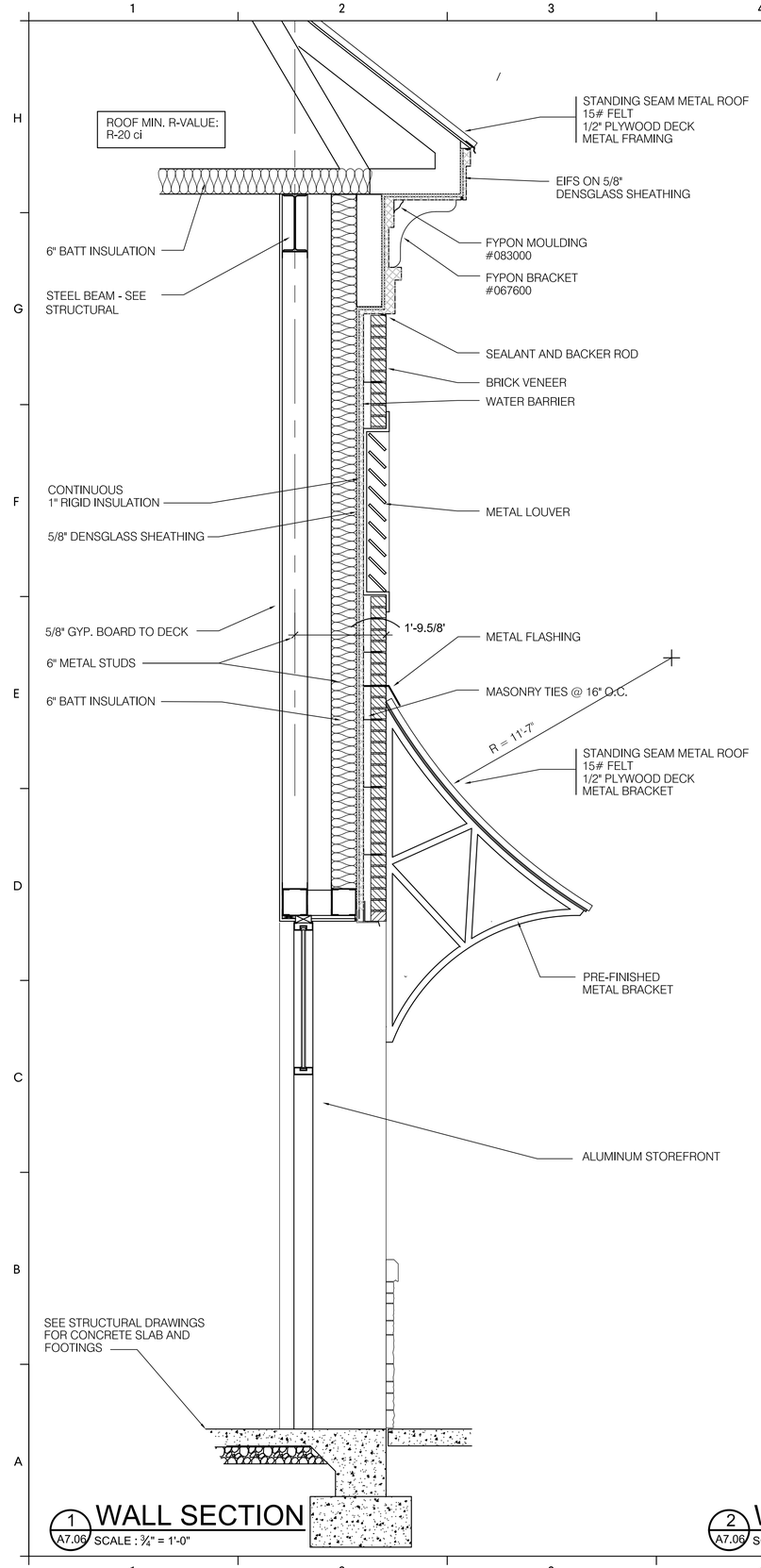

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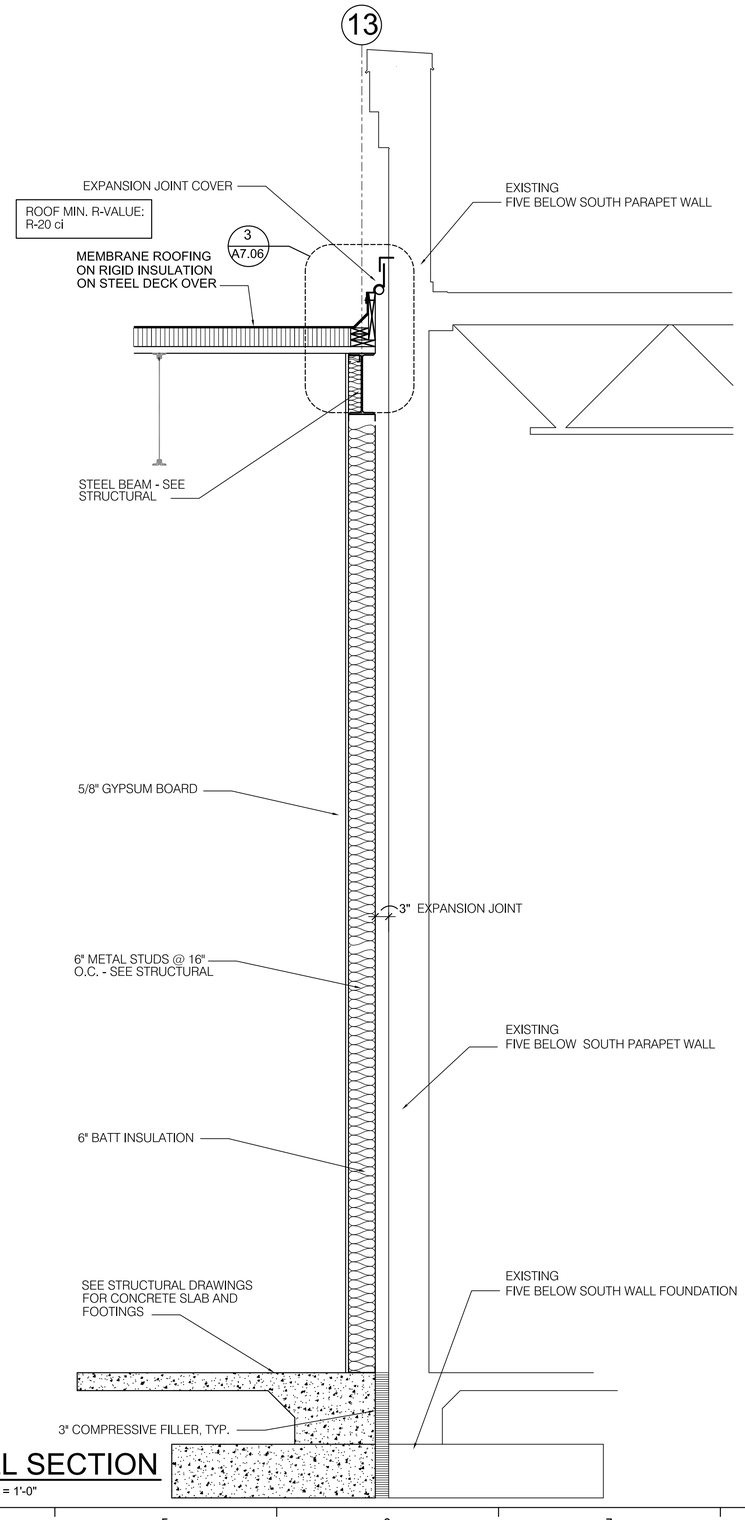

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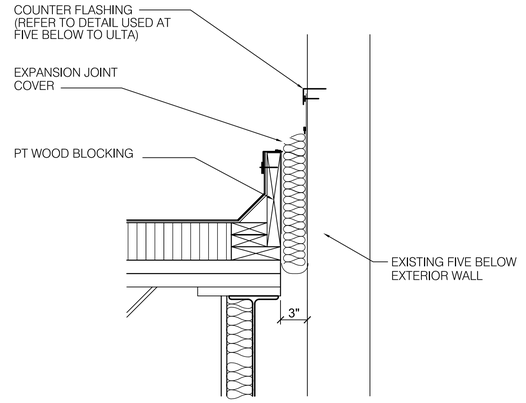

3 A7.06 DETAIL
SCALE : 1.1/2" = 1'-0"

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THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

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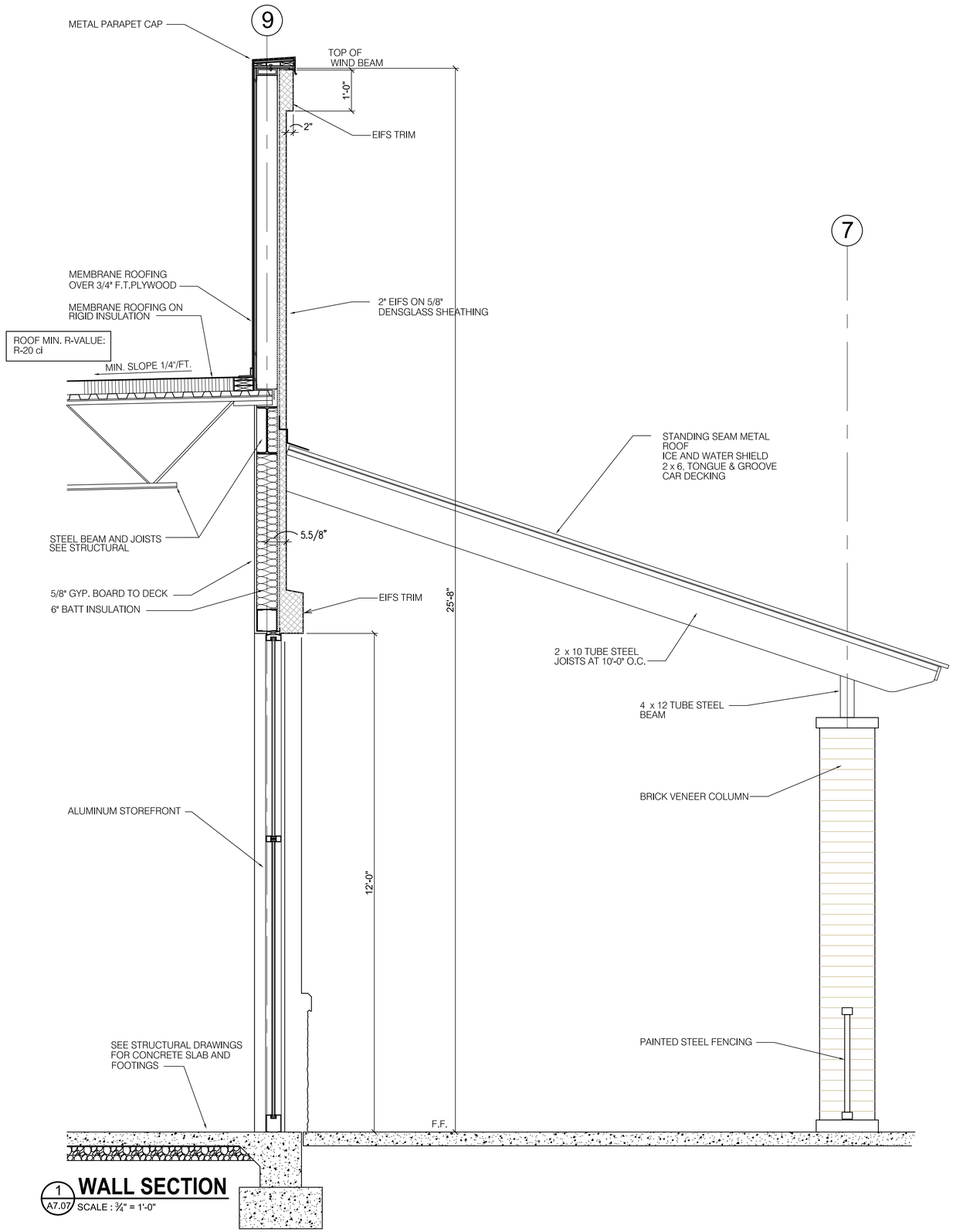
STATE OF ALABAMA
W.E. WALLACE 2923
T.A. BASSETT 4140
F.E. LYNN, JR. 3646
REGISTERED ARCHITECT

WALL SECTIONS

A7.06
sheet of



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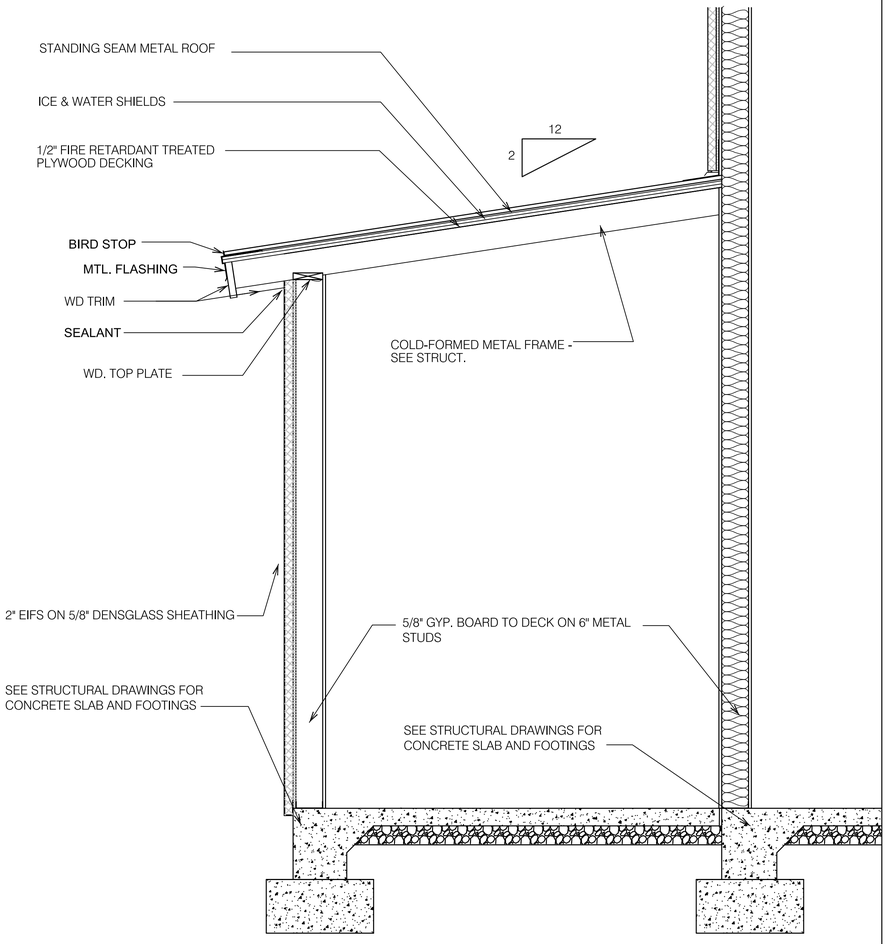

2 A7.07 **WALL SECTION**
SCALE : ¾" = 1'-0"

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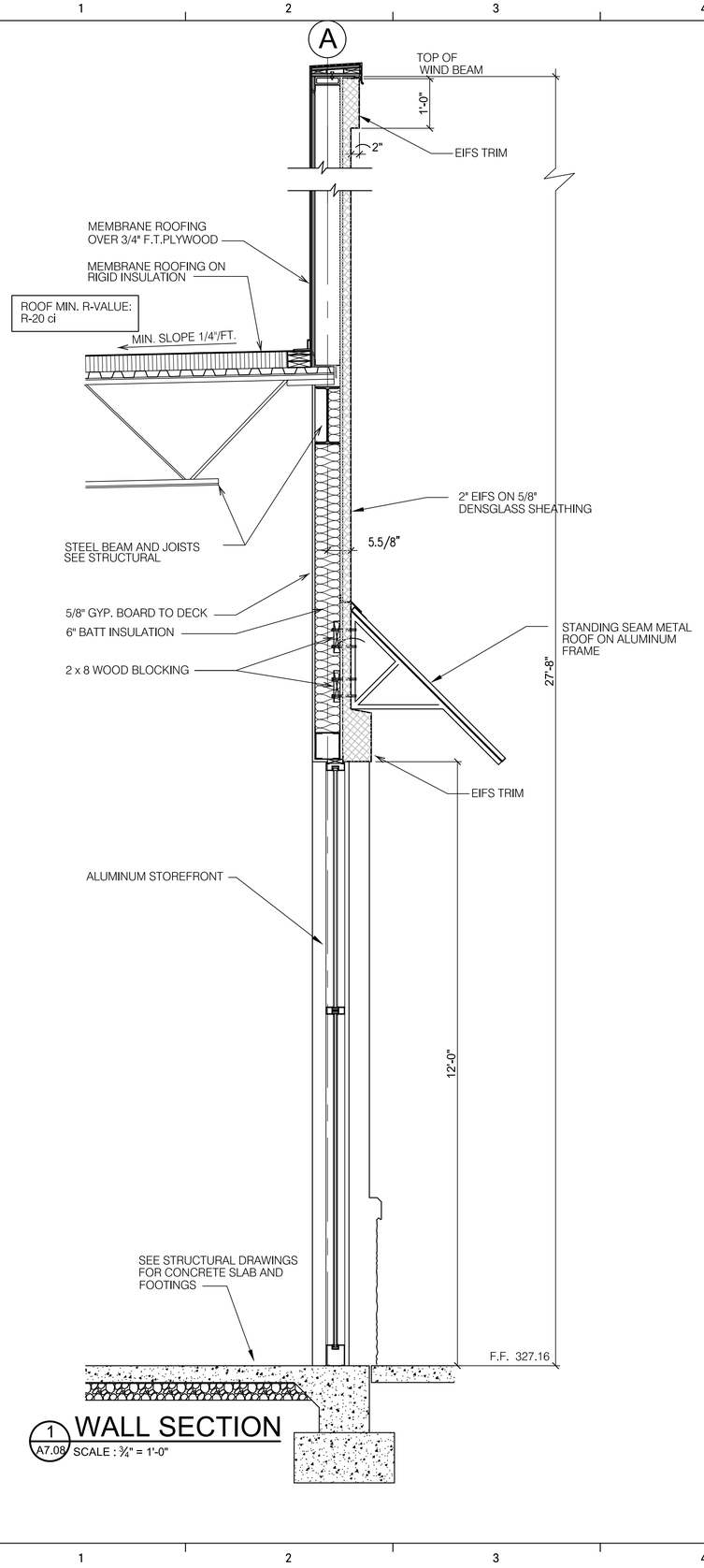
REGISTERED ARCHITECT
R.E. WALLACE 2955
T.A. BASSETT 4140
E.E. LYNN, JR. 3040

WALL SECTIONS

sheet A7.07 of



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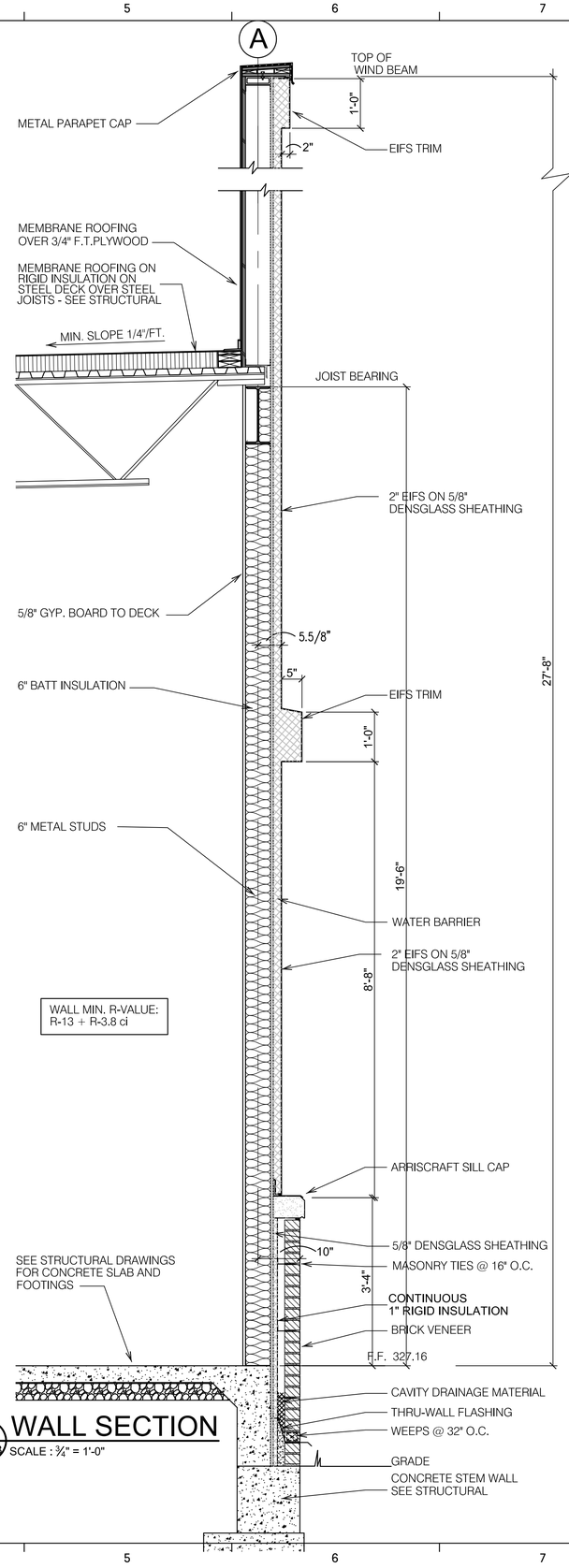

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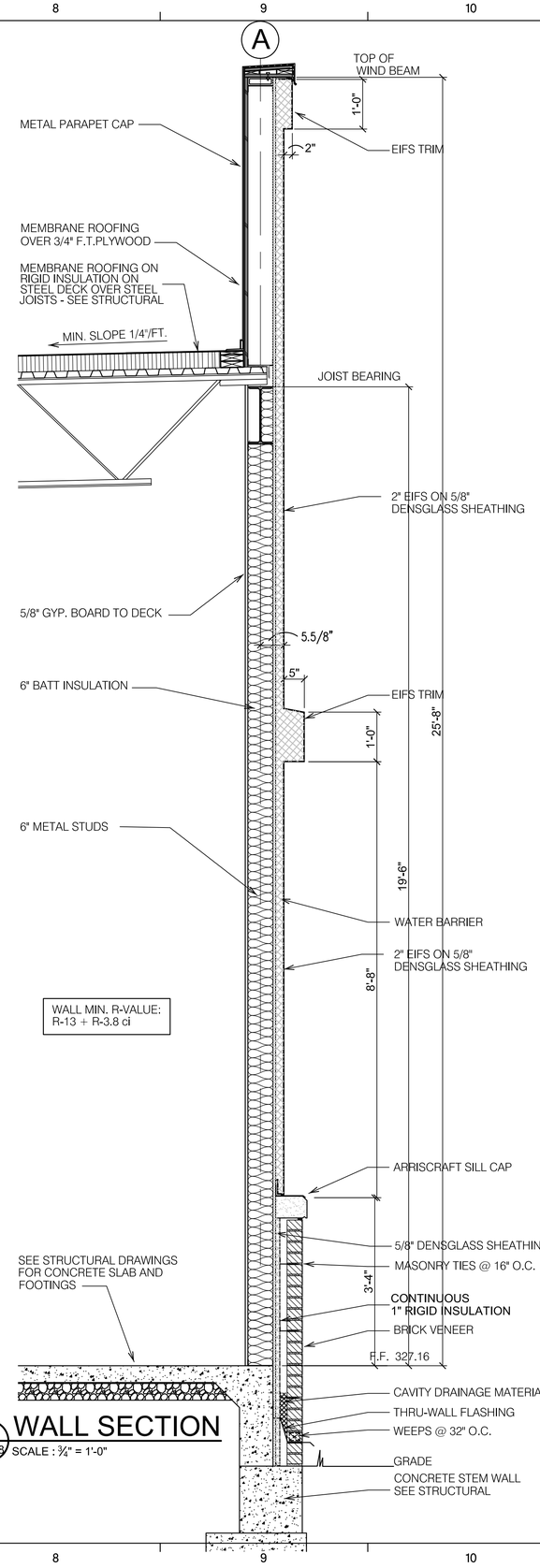

3 A7.08 **WALL SECTION**
SCALE : ¾" = 1'-0"

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WALL SECTIONS

sheet A7.08 of

LEGEND - PLUMBING

SYMBOLS	ABBRV.	DESCRIPTION
	OW	OILY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING ABOVE FLOOR OR GRADE
	V	VENT PIPING
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RECIRCULATE
	VTR	SANITARY VENT THROUGH ROOF
	CO / WCO	CLEANOUT / WALL CLEANOUT
	FCO/GCO	FLOOR/GROUND CLEANOUT
	FD	FLOOR DRAIN
	HB	HOSE BIBB OR DRAIN VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	BFP	BACKFLOW PREVENTER ASSEMBLY
	RPZ	REDUCED PRESSURE ZONE (BFP)
	PRV	PRESSURE REDUCING VALVE
	T & P	TEMPERATURE AND PRESSURE RELIEF VALVE
	TP	TRAP PRIMER
		CONTINUE TO DESIGNATED LOCATION
	A.F.G.	ABOVE FINISHED GRADE
	B.F.F.	BELOW FINISHED FLOOR
	B.F.G.	BELOW FINISHED GRADE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	A.F.F.	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION

PLUMBING SPECIFICATIONS

1. ALL PLUMBING EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPE SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. CHANGE ORDERS SHALL NOT BE PERMITTED FOR FAILURE TO EVALUATE EXISTING CONDITIONS PRIOR TO BID.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE PLUMBING WORK. ANY CABLE ROUTED IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
7. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
9. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE PLUMBING CONTRACTOR.
10. PRESSURE TEST ALL PIPING AFTER INSTALLATION. VALVE OFF ANY EQUIPMENT THAT MAY BE SUBJECT TO SEAL FAILURE DUE TO TESTING.
11. ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, COMMERCIAL GRADE PEX TYPE PIPING, OR CODE APPROVED ALTERNATVE. BELOW GROUND DOMESTIC WATER PIPING SHALL BE CODE APPROVED PVC. PEX SHALL BE CONNECTED TO METAL FITTINGS INSIDE WALL.
12. ABOVE GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. BELOW GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. ALL PIPING IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
13. DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH 1" ARMSTRONG ARAMFLEX INSULATION, DOMESTIC COLD WATER WITH ½" ARMAFLEX. INSTALL INSULATION IN STRICT ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
14. PROVIDE ASSE 1070 MIXING VALVE AT EACH HAND SINK.
15. THE ENTIRE DOMESTIC WATER PLUMBING SYSTEM SHALL BE TESTED TO A PRESSURE OF 125 PSI FOR 6 HOURS OR AS REQUIRED BY LOCAL CODE. THE SANITARY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH STATE AND LOCAL CODES WHERE REQUIRED. SUBMIT CERTIFIED TEST REPORT TO ARCHITECT FOR APPROVAL. ALL INSPECTIONS, TESTS, SURVEYS, AND ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
16. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
17. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE PLUMBING WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
18. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
19. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM AS WELL AS ACCESS TO VALVES WHERE REQUIRED.
20. PROVIDE WATER HAMMER ARRESTORS AT THE EACH END OF EACH DOMESTIC RUN OF PIPING.
21. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL DRAWINGS. KEEP VENTS A MINIMUM OF 10'-0" FROM BUILDING INTAKES.
22. COORDINATE WATER METERS WITH CIVIL ENGINEER AND CITY WATER AHJ. THIS CONTRACTOR SHALL PAY FOR METER UNLESS COORDINATED OTHERWISE.
23. ALL FLOOR DRAINS WITHOUT CLEAN WATER WASTE SHALL HAVE A TRAP PRIMER OR TRAP GUARD (WHERE APPROVED).
24. PROVIDE INTERIOR PRESSURE REDUCING VALVE FOR ANY SYSTEM ABOVE 80 PSI PER FLOW TEST.
25. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	SPECIFICATION
FD	FLOOR DRAIN	N/A	N/A	3"	2"	JR SMITH 2005-ASNB-U WITH 6" TYPE A STRAINER ADJUSTABLE STRAINER WITH SEDIMENT BUCKET & SATIN NICKEL BRONZE FINISH. PROVIDE WITH VANDAL PROOF SECURED TOP (PROVIDE TRAP PRIMER OR TRAP GUARD).

NOTES: PROVIDE MODEL SHOWN OR APPROVED EQUAL. SEE P-3.1 FOR OTHER FIXTURES.

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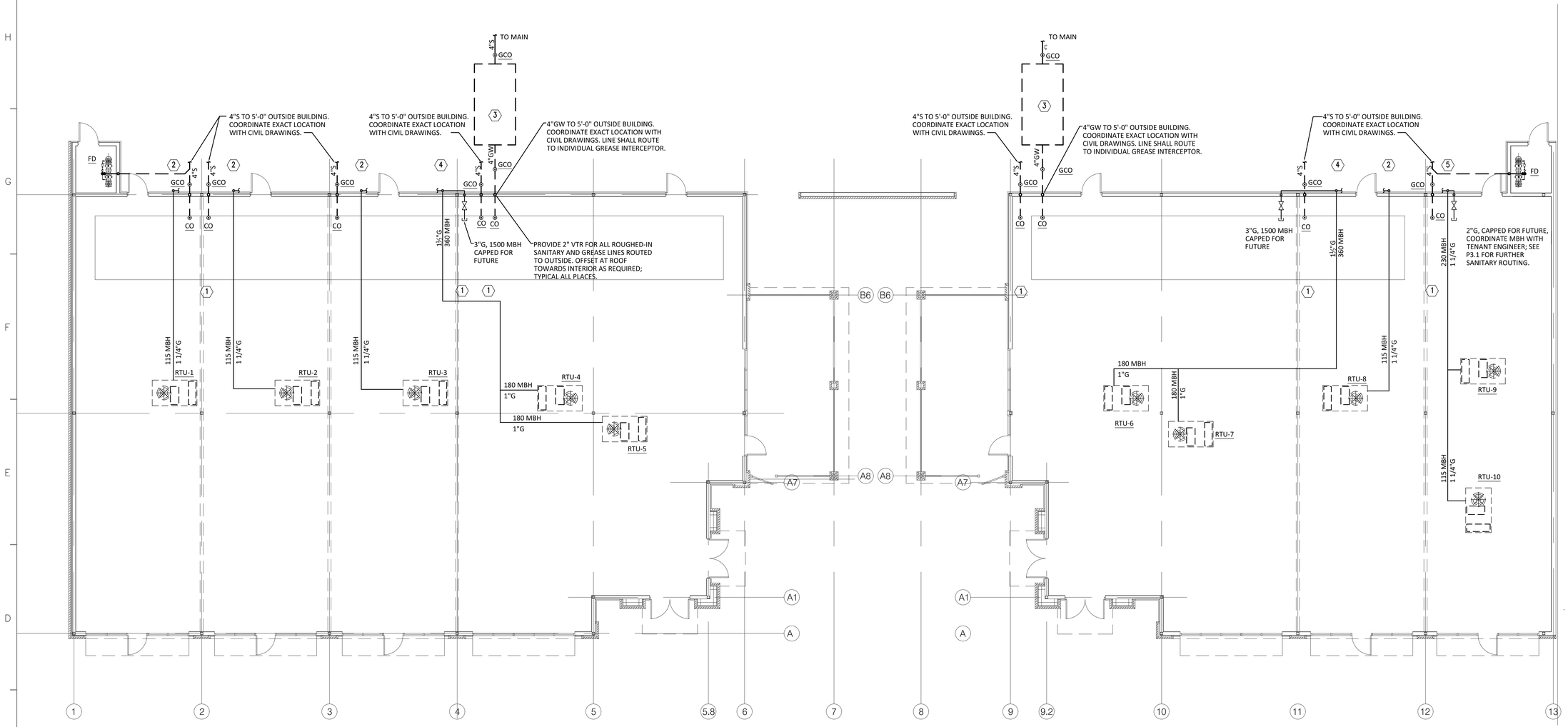
THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT #AMGM180037

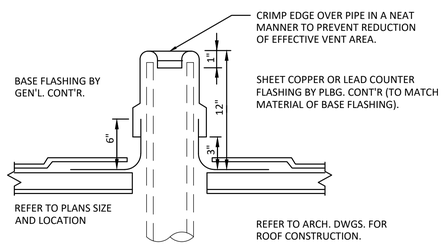
ALABAMA LICENSED PROFESSIONAL ENGINEER 31317 JONATHAN CHASE

Legend, General Notes, and Specs - Plumbing

P0.1

sheet of





2 PLUMBING VENT THROUGH ROOF DETAIL

NTS

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. STUB IN SEALED 4"S IN WALL FOR FUTURE OWNER PROVIDED FIXTURE. ROUTE SEALED 2" VENT TO 3"VTR. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
2. PROVIDE NEW GAS PIPING FOR EACH TENANT SPACE, EACH METERED SEPARATELY. COORDINATE METER INSTALLATION AND LOCATIONS WITH GAS AUTHORITY. ASSUME PIPING IS ROUTED FROM CLOSEST EXISTING METER BANK. LINES SIZED FOR 2#, 1PSI PRESSURE DROP AT 130'. DISTANCE SHALL BE VERIFIED WITH PROVIDER.
3. PROVIDE 1500 GALLON GREASE TRAP. COORDINATE EXACT LOCATION WITH CIVIL.
4. PROVIDE NEW GAS PIPING FOR FUTURE RESTAURANT TENANT SPACE, EACH METERED SEPARATELY. COORDINATE METER INSTALLATION AND LOCATIONS WITH GAS AUTHORITY. ASSUME PIPING IS ROUTED FROM CLOSEST EXISTING METER BANK. LINES SIZED FOR 2#, 1PSI PRESSURE DROP AT 130'. DISTANCE SHALL BE VERIFIED WITH PROVIDER. 1,500 MBH HAS BEEN ESTIMATED FOR GAS LOAD. COORDINATE ACTUAL GAS LOAD WITH TENANT ENGINEER.
5. PROVIDE NEW GAS PIPING FOR JERSEY MIKE'S TENANT SPACE, METERED SEPARATELY. COORDINATE METER INSTALLATION AND LOCATIONS WITH GAS AUTHORITY. ASSUME PIPING IS ROUTED FROM CLOSEST EXISTING METER BANK. LINES SIZED FOR 2#, 1PSI PRESSURE DROP AT 130'. DISTANCE SHALL BE VERIFIED WITH PROVIDER. TENANT HAS REQUESTED A 2" LINE FOR THEIR SPACE (SHOWN HERE).COORDINATE ACTUAL GAS LOAD WITH TENANT ENGINEER.

NORTH

1 FLOOR PLAN - SANITARY & GAS

1/8" = 1'-0"

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THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER 29317 JONATHAN CHASE SMITH

Floor Plan - Sanitary & Gas

P2.1

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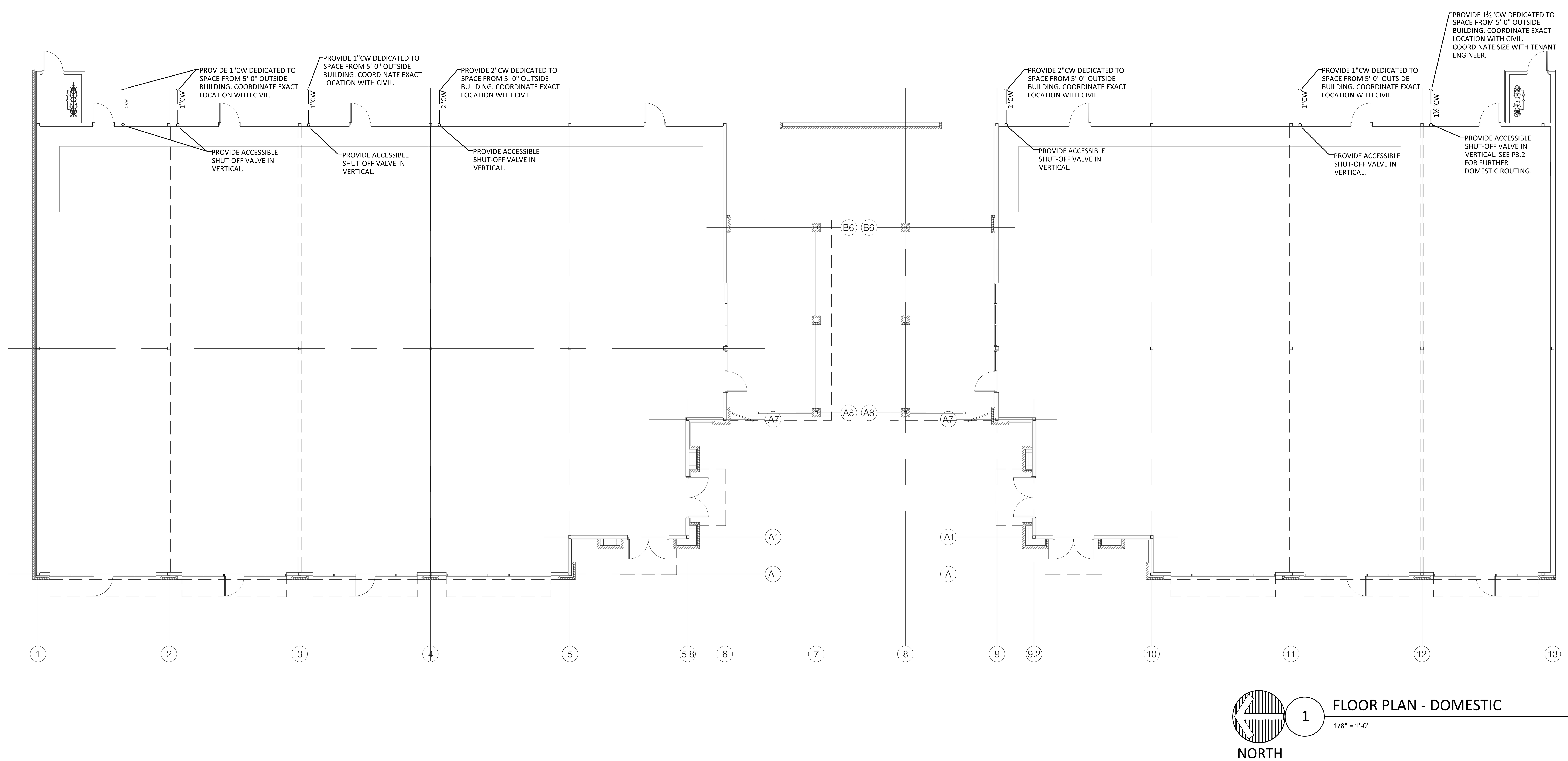

1 FLOOR PLAN - DOMESTIC

1/8" = 1'-0"

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Floor Plan - Domestic

P2.2

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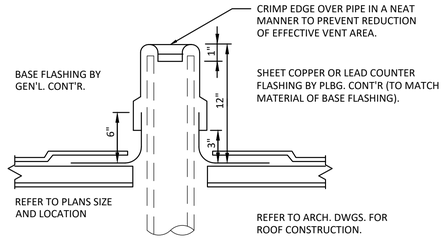


4 PLUMBING VENT THROUGH ROOF DETAIL

NTS

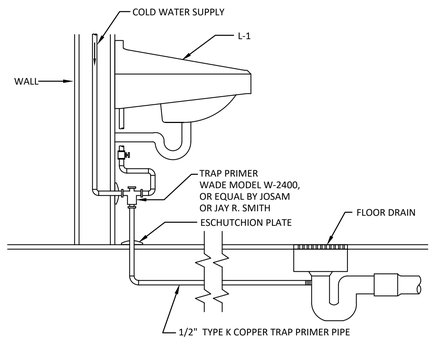
LEGEND - PLUMBING

SYMBOLS	ABBRV.	DESCRIPTION
	OW	OILY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING ABOVE FLOOR OR GRADE
	V	VENT PIPING
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RECIRCULATE
	VTR	SANITARY VENT THROUGH ROOF
	CO / WCO	CLEANOUT / WALL CLEANOUT
	FCO/GCO	FLOOR/GROUND CLEANOUT
	FD	FLOOR DRAIN
	HB	HOSE BIBB OR DRAIN VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	BFP	BACKFLOW PREVENTER ASSEMBLY
	RPZ	REDUCED PRESSURE ZONE (BFP)
	PRV	PRESSURE REDUCING VALVE
	T & P	TEMPERATURE AND PRESSURE RELIEF VALVE
	TP	TRAP PRIMER
		CONTINUE TO DESIGNATED LOCATION
	A.F.G.	ABOVE FINISHED GRADE
	B.F.F.	BELOW FINISHED FLOOR
	B.F.G.	BELOW FINISHED GRADE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	A.F.F.	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION

PLUMBING FIXTURE SCHEDULE

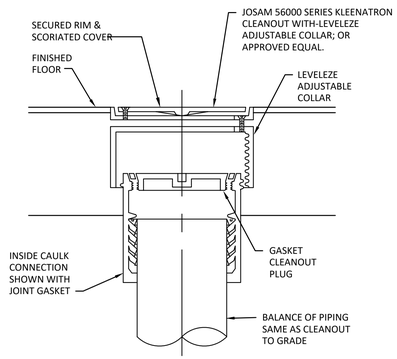
TAG	FIXTURE	CW	HW	WASTE	VENT	SPECIFICATION
P-1A	WATER CLOSET - ADA	1/2"	N/A	4"	2"	TOTO ADA MODEL CST744SF.10#10 FLOOR MOUNTED FLUSH TANK TYPE TOILET, 1.6 GPF, AND TOTO ELONGATED SEAT, WITH ALL REQUIRED ACCESSORIES. ADA COMPLIANT INSTALLATION.
P-2A	LAVATORY - WALL MTD	1/2"	1/2"	1-1/2"	2"	TOTO SELF-RIMMING, MODEL LT401, CHICAGO FAUCETS 802-VE2805-317CP, 0.5 GPM, GRID STRAINER 1-1/4" X 1-1/2" P-TRAP, INSUL. KIT & SUPPLY STOPS, ADA COMPLIANT INSTALLATION. PROVIDE ASSE 1070 MIXING VALVE.
P-3	HAND SINK	1/2"	1/2"	1-1/2"	2"	EQUIPMENT PROVIDED AND INSTALLED BY OTHERS. COORDINATE FIXTURE WITH TENANT ENGINEER. PROVIDE MATERIALS AND LABOR NECESSARY FOR ROUGH-IN.
P-4	3 COMPARTMENT SINK	3/4"	3/4"	2"	2"	EQUIPMENT PROVIDED AND INSTALLED BY OTHERS. COORDINATE FIXTURE WITH TENANT ENGINEER. PROVIDE MATERIALS AND LABOR NECESSARY FOR ROUGH-IN.
P-5	PREP SINK	1/2"	1/2"	1-1/2"	2"	EQUIPMENT PROVIDED AND INSTALLED BY OTHERS. COORDINATE FIXTURE WITH TENANT ENGINEER. PROVIDE MATERIALS AND LABOR NECESSARY FOR ROUGH-IN.
MS-1	MOP SINK	1/2"	1/2"	3"	2"	WILLIAMS SB-902 RECEPTOR W/ T-10-VB (VAC. BRK.) FAUCET, TILING FLANGE, HOSE THREAD SPOUT W/ BUCKET HOOK, 8" ON CENTER, W/ OPTION T-40 MOP HANGER & SPLASH CATCHER PANELS
FS-1	FLOOR SINK	N/A	N/A	SEE PLAN	SEE PLAN	J.R. SMITH FLOOR SINK WITH SEDIMENT BUCKET, MODEL 3100-14, 10-1/2" SQUARE TOP W/ 2-1/2" CENTER HOLE GRATE
FD	FLOOR DRAIN	N/A	N/A	3"	2"	J.R. SMITH 2005-A-B-P050 WITH 6" TYPE B SQUARE ADJUSTABLE STRAINER WITH SATIN NICKEL BRONZE FINISH. PROVIDE WITH VANDAL PROOF SECURED TOP AND TRAP PRIMER.

NOTES: PROVIDE MODEL SHOWN OR APPROVED EQUAL.



2 TYPICAL TRAP PRIMER DETAIL

NOT TO SCALE



3 FLOOR CLEANOUT DETAIL

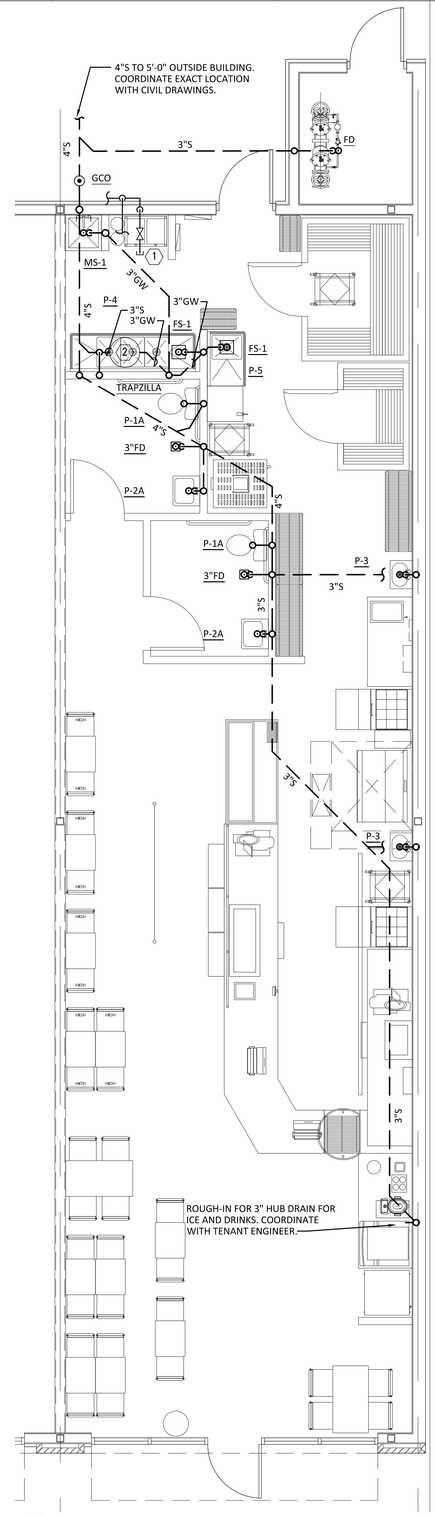
NOT TO SCALE

PLUMBING SPECIFICATIONS

1. ALL PLUMBING EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPE SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. CHANGE ORDERS SHALL NOT BE PERMITTED FOR FAILURE TO EVALUATE EXISTING CONDITIONS PRIOR TO BID.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE PLUMBING WORK. ANY CABLE ROUTED IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
7. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
9. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE PLUMBING CONTRACTOR.
10. PRESSURE TEST ALL PIPING AFTER INSTALLATION. VALVE OFF ANY EQUIPMENT THAT MAY BE SUBJECT TO SEAL FAILURE DUE TO TESTING.
11. ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, COMMERCIAL GRADE PEX TYPE PIPING, OR CODE APPROVED ALTERNATVE. BELOW GROUND DOMESTIC WATER PIPING SHALL BE CODE APPROVED PVC. PEX SHALL BE CONNECTED TO METAL FITTINGS INSIDE WALL.
12. ABOVE GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. BELOW GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. ALL PIPING IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
13. DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH 1" ARMSTRONG ARAMFLEX INSULATION, DOMESTIC COLD WATER WITH ½" ARMAFLEX. INSTALL INSULATION IN STRICT ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
14. PROVIDE ASSE 1070 MIXING VALVE AT EACH HAND SINK.
15. THE ENTIRE DOMESTIC WATER PLUMBING SYSTEM SHALL BE TESTED TO A PRESSURE OF 125 PSI FOR 6 HOURS OR AS REQUIRED BY LOCAL CODE. THE SANITARY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH STATE AND LOCAL CODES WHERE REQUIRED. SUBMIT CERTIFIED TEST REPORT TO ARCHITECT FOR APPROVAL. ALL INSPECTIONS, TESTS, SURVEYS, AND ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
16. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
17. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE PLUMBING WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
18. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
19. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM AS WELL AS ACCESS TO VALVES WHERE REQUIRED.
20. PROVIDE WATER HAMMER ARRESTORS AT THE EACH END OF EACH DOMESTIC RUN OF PIPING.
21. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL DRAWINGS. KEEP VENTS A MINIMUM OF 10'-0" FROM BUILDING INTAKES.
22. COORDINATE WATER METERS WITH CIVIL ENGINEER AND CITY WATER AHJ. THIS CONTRACTOR SHALL PAY FOR METER UNLESS COORDINATED OTHERWISE.
23. ALL FLOOR DRAINS WITHOUT CLEAN WATER WASTE SHALL HAVE A TRAP PRIMER OR TRAP GUARD (WHERE APPROVED).
24. PROVIDE INTERIOR PRESSURE REDUCING VALVE FOR ANY SYSTEM ABOVE 80 PSI PER FLOW TEST.
25. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. 2"G, CAPPED FOR FUTURE, COORDINATE MBH WITH TENANT ENGINEER; SEE P2.2 FOR GAS LAYOUT. COORDINATE WITH TENANT ENGINEER.
2. PROVIDE IN-SLAB TRAPZILLA TYPE GREASE INTERCEPTOR, 35 GPM MIN. PROVIDE ACCESSORIES REQUIRED FOR FULL INSTALLATION, INCLUDING MOUNTING FLUSH WITH FLOOR AND HEAVY DUTY COVER. INSTALL STRICTLY PER MANUFACTURER'S REQUIREMENTS. ROUTE VENT PIPING BELOW 3-COMP SINK WHERE REQUIRED. APPROVED EQUAL PERMITTED.



NORTH

1 FLOOR PLAN - SANITARY

1/4" = 1'-0"

GMC

ASBUILT

2660 East Chase Lane, Suite 200
Montgomery, AL 36117
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:
DRAWN BY:
CHECKED BY:

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

Schedules, Notes, & Floor Plan - Sanitary

P3.1

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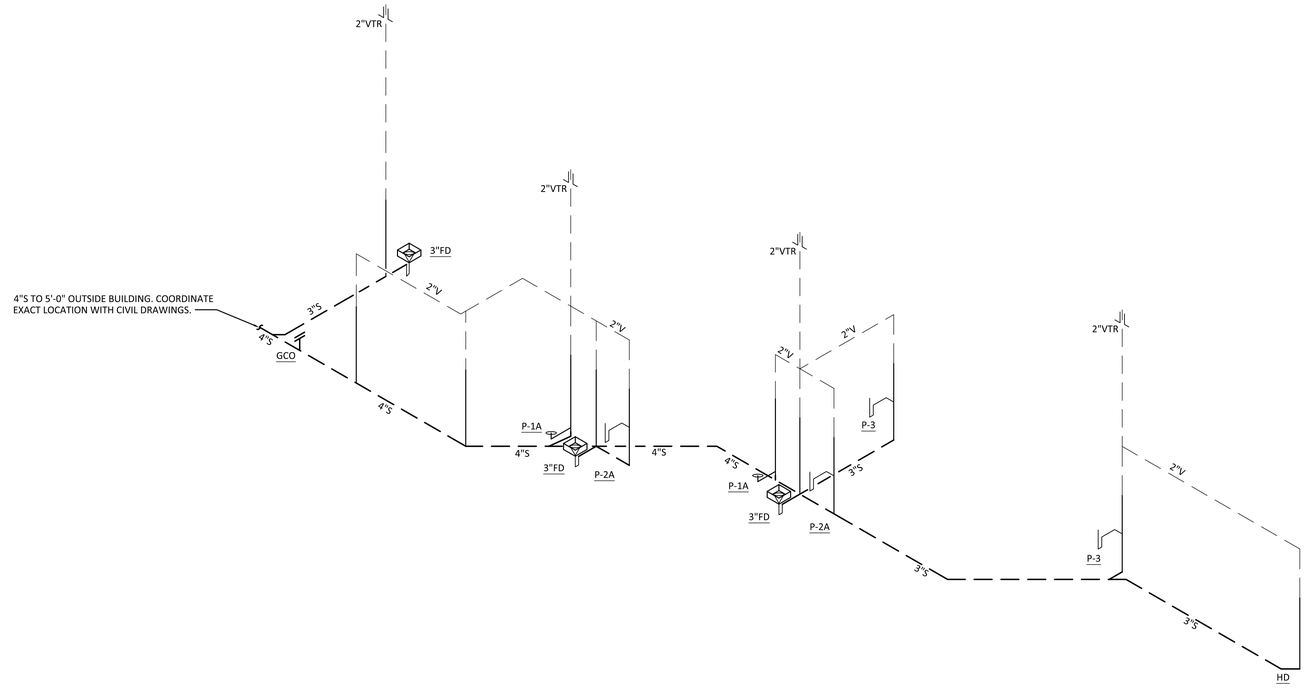
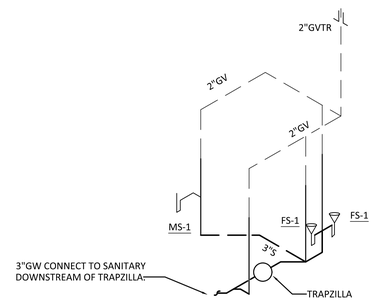


2 TYPICAL RISER DIAGRAM - SANITARY

NTS

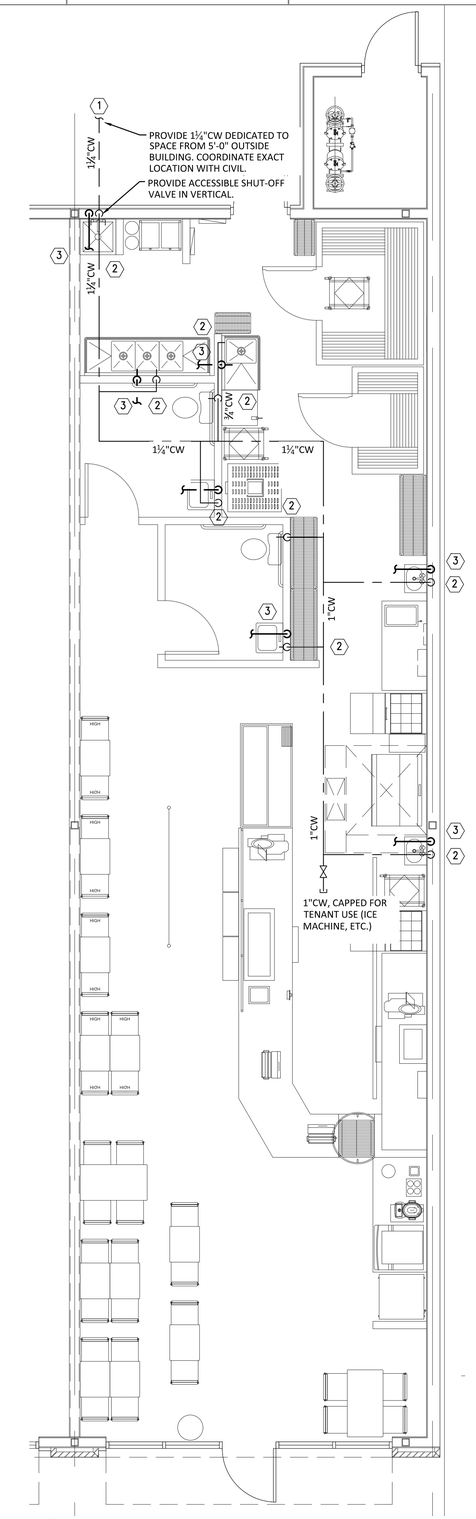


3 TYPICAL RISER DIAGRAM - GREASE

NTS

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. PROVIDE 1¼"CW SERVICE TO SPACE (VERIFY SIZE WITH TENANT ENGINEER). COORDINATE EXACT LOCATION WITH CIVIL AND/OR WATER AUTHORITY.
2. PROVIDE DOMESTIC ROUGH-IN FOR ALL FIXTURES SHOWN WITH DOMESTIC WATER. VERIFY ALL SIZES WITH TENANT ENGINEER. COORDINATE ALL ROUGH-IN LOCATIONS APPROVED SUBMITTALS FOR FIXTURES FROM TENANT ENGINEER.
3. ROUGH IN HW IN WALL FOR ALL FIXTURES SHOWN WITH DOMESTIC HOT WATER. HW LINES SHALL BE STUBBED UP ABOVE THE CEILING FOR CONNECTION WITH HOT WATER SYSTEM PROVIDED BY TENANT ENGINEER. COORDINATE ALL ROUGH-IN LOCATIONS APPROVED SUBMITTALS FOR FIXTURES FROM TENANT ENGINEER.



1 FLOOR PLAN - DOMESTIC

1/4" = 1'-0"

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PERMIT SET	10.11.19
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED ARCHITECT

Floor Plan - Domestic

P3.2

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MECHANICAL SPECIFICATIONS

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED PER MODEL NUMBER GIVEN OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
7. UNLESS NOTED OTHERWISE, DISCONNECTS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
8. STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
12. ROOFTOP UNITS SHALL BE INSTALLED ON A ROOF CURB WITH 12" MIN CLEARANCE (CURB SHALL BE GREATER THAN 12"). COORDINATE LOCATIONS WITH EXISTING EQUIPMENT, ARCHITECT, AND STRUCTURAL ENGINEER.
13. DUCT: SUPPLY, RETURN, OA, TA, AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD. FLEXIBLE DUCTWORK SHALL NOT EXCEED 6'-0" FOR ANY RUN. SHEETMETAL DUCT SHALL BE USED FOR ALL RETURN DUCT, EXCEPT AS REQUIRED FOR CONNECTION TO A UNIT.
14. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. PROVIDE R-6 MINIMUM (HIGHER IF REQUIRED PER ENERGY CODE) INSULATION BY JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF THE FOIL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINTS SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER. ALL SUPPLY DUCTS SHALL BE INSULATED. ALL OTHER DUCT SHALL BE INSULATED AS SHOWN OR PER ENERGY CODE.
15. ALL DUCTWORK SHALL BE CONSTRUCTED BY THE LATEST GUIDELINES OF SMACNA . DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS . ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE ½" AND ALL JOINTS SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".
16. FLEXIBLE DUCTWORK SHALL BE THE INSULATED TYPE (AS REQUIRED BY CODE) CLASS I AIR DUCT, UL 181 LISTED, THERMAFLEX OR EQUAL. DUCT SHALL BE SIZED AT 0.08"/100 FT STATIC PRESSURE DROP WHERE A SIZE IS NOT NOTED ON DRAWINGS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED. FLEXIBLE DUCT SHALL NOT EXCEED 6'-0" FOR ANY DUCT RUN.
17. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH BALANCING DAMPERS.
18. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, R=4.2 PER INCH, MANVILLE LINACOUSTIC OR EQUAL. DUCT LINER SHALL MEET REQUIREMENTS OF NFPA 90A & 90B, FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50, MEET ASTM G-21 AND G-22, A MIN NOISE REDUCTION COEFFICIENT OF 0.70. LINE ALL DUCTWORK MIN, 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL EDGES, SEAMS, RIPS, TEARS, ETC COMPLETELY (NO OPENINGS ALLOWED) WITH MANUFACTURER RECOMMENDED SEALER. NOTE: LINER IS NOT A SUBSTITUTE FOR INSULATION UNLESS SPECIFICALLY NOTED TO BE.
19. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
20. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER. ROUND OR RECTANGULAR DUCT MAY BE USED INTERCHANGEABLY IN CONCEALED AREAS AS LONG AS THE STATIC PRESSURE IN THE DUCT IS NOT INCREASED. PERMISSION SHALL BE OBTAINED FOR CHANGING EXPOSED DUCT.
21. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS). ROUTE CONDENSATE TO BUILDING EXTERIOR AND PROVIDE A DRY WELL WHERE REQUIRED. PROVIDE SPLASH BLOCKS FOR CONDENSATE ON THE ROOF. CONDENSATE SHALL BE PUMPED WHERE REQUIRED.
22. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST AND RETURN AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS.
23. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.
24. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
25. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
26. THERMOSTATS SHALL NOT HAVE MERCURY. MOUNT THERMOSTATS 4' - 4" AFF UNLESS NOTED OTHERWISE.
27. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS AND LIGHTS, CEILING GRID, ETC.
28. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.
29. DURING CONSTRUCTION AND PRIOR TO OPERATING AIR EQUIPMENT PROVIDE 2" PLEATED FILTERS IN UNITS. ALSO PROVIDE FILTER MEDIA AT RETURN DUCT INLET. AT TIME OF TEST AND BALANCE REMOVE FILTER MEDIA AND PLEATED FILTERS AND PROVIDE SCHEDULED/SPECIFIED FILTERS FOR UNITS.
30. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.
31. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT.
32. WHERE INDICATED IN THE SCHEDULES, SPECIFICATIONS, OR DETAILS, PROVIDE MVDs AT SUPPLY TAKE-OFFS, WHERE ACCESSIBLE CEILING (LAY-IN) IS PROVIDED, OF RUNOUTS TO DIFFUSERS AND WHERE SHOWN ON PLANS. IF THE DUCT IS ABOVE AN INACCESSIBLE CEILING, A REMOTE OPERATOR SHALL BE PROVIDED IN A LOCATION APPROVED BY THE ARCHITECT. WHERE BALANCING DAMPERS ARE ALSO PROVIDED AT THE SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE), BALANCE THE SYSTEM WITH THE DAMPER AT THE TAKE-OFF (NOT AT GRILLE). GRILLE DAMPER SHOULD BE 100% OPEN AFTER TEST AND BALANCE.
33. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.
34. ROUTE DUCT HIGH AS POSSIBLE UNDER JOIST/ROOF SUPPORT.
35. FIRESTOPPING ALL PIPE AND DUCT PENETRATIONS OF FIRE AND OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO. CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/ STRIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
36. DAMAGED BUILDING COMPONENTS (CEILING GRID, CEILING TILES, WALL CEILINGS, LIGHT FIXTURES, ETC.) SHALL BE REPLACED TO AT LEAST THE QUALITY OF THE DAMAGED ITEM OR SURROUNDING AREA.
37. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.
38. CONTROLS:
    A. PROVIDE NEW THERMOSTATS WHERE SHOWN ON PLANS. COORDINATE WITH LIGHT SWITCHES AND WITH ARCHITECT.
    B. INTERLOCK EXHAUST FANS WITH ASSOCIATED THERMOSTAT.

PACKAGED GAS/ELECTRIC ROOFTOP UNIT SCHEDULE

MARK	SUPPLY AIRFLOW	DESIGN OUTSIDE AIRFLOW	ELECTRICAL DATA V/Ø	MCA	MOCP	COOLING EDB/EWB	AMBIENT	TOTAL CAP.	SENSIBLE CAP.	COIL LDB	MIN SEER	HEATING CAPACITY IN/OUT (MBH)	EDB/LDB	AFUE	FAN SUPPLY FAN HP	EXT. S.P. (IN WG)	MAKE/MODEL	ACCESSORIES
RTU-1	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-2	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-3	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-4	4000 CFM	---	208/3	57	70	80/67	95°F	120.0	96.0	55 °F	14	180/148	65/90 °F	80%	3.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-5	4000 CFM	---	208/3	57	70	80/67	95°F	120.0	96.0	55 °F	14	180/148	65/90 °F	80%	3.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-6	4000 CFM	---	208/3	57	70	80/67	95°F	120.0	96.0	55 °F	14	180/148	65/90 °F	80%	3.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-7	4000 CFM	---	208/3	57	70	80/67	95°F	120.0	96.0	55 °F	14	180/148	65/90 °F	80%	3.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-8	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SEE JERSEY MIKE'S LL PLANS	---
RTU-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SEE JERSEY MIKE'S LL PLANS	---

ACCESSORIES:
1. MANUAL OA DAMPER AND BAROMETRIC RELIEF DAMPER.
2. INSULATED FACTORY ROOF CURB, 14" MIN. PROVIDE EARLY TO JOB SITE.
3. 7-DAY PROGRAMMABLE THERMOSTAT, AUTOCHANGEOVER

NOTE: DESIGN OUTSIDE AIRFLOW DETERMINED BY TENANT ENGINEER.

4. 2 SETS OF FILTERS. REPLACE FILTERS AFTER CONSTRUCTION, BEFORE BUILDING TURNOVER.
5. SINGLE POINT POWER CONNECTION THRU BASE OF UNIT.
6. INSULATE UNDERSIDE OF RTU FOR SOUND ATTENUATION.
7. ANTI-SHORTCYCLE TIMER.
8. ACCESSORIES FOR LOW AMBIENT OPERATION.
9. STARTER BY MFR, DISCONNECT BY EC.
10. HINGED ACCESS PANELS.
11. UNITS SHALL MEET ASHRAE 90.1 MIN.
12. SMOKE DETECTOR PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
13. PROVIDE UNIT SPECIFIED OR TRANE, DAIKIN, LENNOX, JCI/YORK OR APPROVED EQUAL.
14. PROVIDE GAS PRESSURE REGULATORS.
15. PROVIDE ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.

HVAC LEGEND

SYMBOL	ABBREV.	DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCTWORK (POSITIVE PRESSURE)
		DUCTWORK (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR EXAMPLE)
10"Ø		DUCT SIZE IN INCHES (ROUND EXAMPLE)
T EF-1		THERMOSTAT (EQUIPMENT CONTROLLED)
2		DUCT MOUNTED SMOKE DETECTOR
FD	FD	FIRE DAMPER
2		RETURN AIR OPENING (SQUARE FEET)
		DUCT TRANSITION
	MVD	MANUAL VOLUME DAMPER
		LINED DUCTWORK
		EQUIPMENT/PIPING ON ROOF
		EQUIPMENT/PIPING UNDER ROOF
	EF	EXHAUST FAN
	SF	SUPPLY FAN
	WL	WALL MOUNTED LOUVER/DAMPER
	RTU	ROOF TOP UNIT
	T.T.S.	TIGHT TO UNDERSIDE OF STRUCTURE
	B.O.	BY OTHERS
	U.N.O.	UNLESS NOTED OTHERWISE
	VTR	VENT THRU ROOF
	A.F.F.	ABOVE FINISHED FLOOR
	OA	OUTSIDE AIR
	MC	MECHANICAL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	MFR	MANUFACTURER
	MTD	MOUNTED

ELECTRIC WALL HEATERS

MARK	KW	VOLTAGE/ PHASE	MAX AMPS	MOUNTING HEIGHT (1)	DISCHARGE	SERVES	BASIS OF DESIGN MAKE & MODEL	DISCONNECT PROVIDED AND WIRED BY	ACCESSORIES
EWH-1,2	0.5	120/1	4.17	2'-0"	HORIZONTAL	FIRE RISER ROOMS	MARKEL RPH15A	MFR	1-8

(1) FROM FINISHED FLOOR TO BOTTOM OF HEATER, INCHES.

ACCESSORIES:
1. AUTOMATIC LINEAR OVERHEAT CUTOUT FULL LENGTH OF HEAT ELEMENT.
2. WALL MOUNTING BRACKET AND ALL MOUNTING HARDWARE.
3. PROVIDE INTEGRAL THERMOSTAT.
4. STEEL FINNED TUBULAR HEATING ELEMENT.
5. 24 VOLT LOW VOLTAGE CONTROL TRANSFORMER.
6. TOTALLY ENCLOSED MOTOR AND FAN.
7. BAKED ENAMEL FINISH.
8. U.L. LISTED.

DEHUMIDIFYING UNIT

MARK	CAP. PINTS (MIN)	VOLTAGE/ PHASE	MAX AMPS	MOUNTING HEIGHT	DISCHARGE	SERVES	BASIS OF DESIGN MAKE & MODEL	ACCESS.
DH-1,2	35	120/1	7	FLR MTD	HORIZONTAL	APT FIRE RISER ROOMS	APRILAIRE, KUL, HISENSE, LG, GE	1-6

ACCESSORIES:
1. UNDUCTED UNIT, PROVIDE 230 CFM.
2. ALL FLOOR-MOUNTING HARDWARE.
3. PROVIDE HUMIDISTAT CONTROLLER SET TO 75% RH (ADJUSTABLE).
4. ROUTE CONDENSATE TO FLOOR DRAIN.
5. DISCONNECT BY EC
6. UNIT SHALL BE HARDWIRED

FAN SCHEDULE

Roof Mounted Upblast Fan — MARK: EF-1,2

Qty	Greenheck Model	Volume (CFM)	SP (in wg)	FRPM	Max Sound Power (dBA)	Weight (Lb.)	Motor Information Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
2	CUE-080-VG	200	0.5 0.5	1518	55	70	1/10	115/60/1	ODP	1725	1	NA

OPTIONS AND ACCESSORIES

Switch, NEMA-1, Toggle
Roof Curb-Galv., Under Sized 1.5 in. Total
Foam Curb Seal
Damper Shipped Loose, Gravity Operated, Not Coated
Birdscreen: Aluminum

WALL LOUVER

MARK	SERVICE	SIZE	PRESSURE DROP IN.WC.	VELOCITY	BASIS OF DESIGN MAKE & MODEL	ACCESSORIES
WL-1, 2	INTAKE	18"x12"	0.05	650 FPM	GREENHECK EACC-601	ALL

ACCESSORIES:
1. FLAT EXPANDED ALUMINUM BIRDSCREEN, INTERNAL, MILL FINISH.
2. 1.67 SQFT FREE AREA.
3. 24V ACTUATOR, FAIL "CLOSED"
4. PROVIDE ALL ACCESSORIES AND HARDWARE FOR WALL-MOUNTING. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR WALL TYPES.

GMC
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AS BUILT

ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:
DRAWN BY:
CHECKED BY:

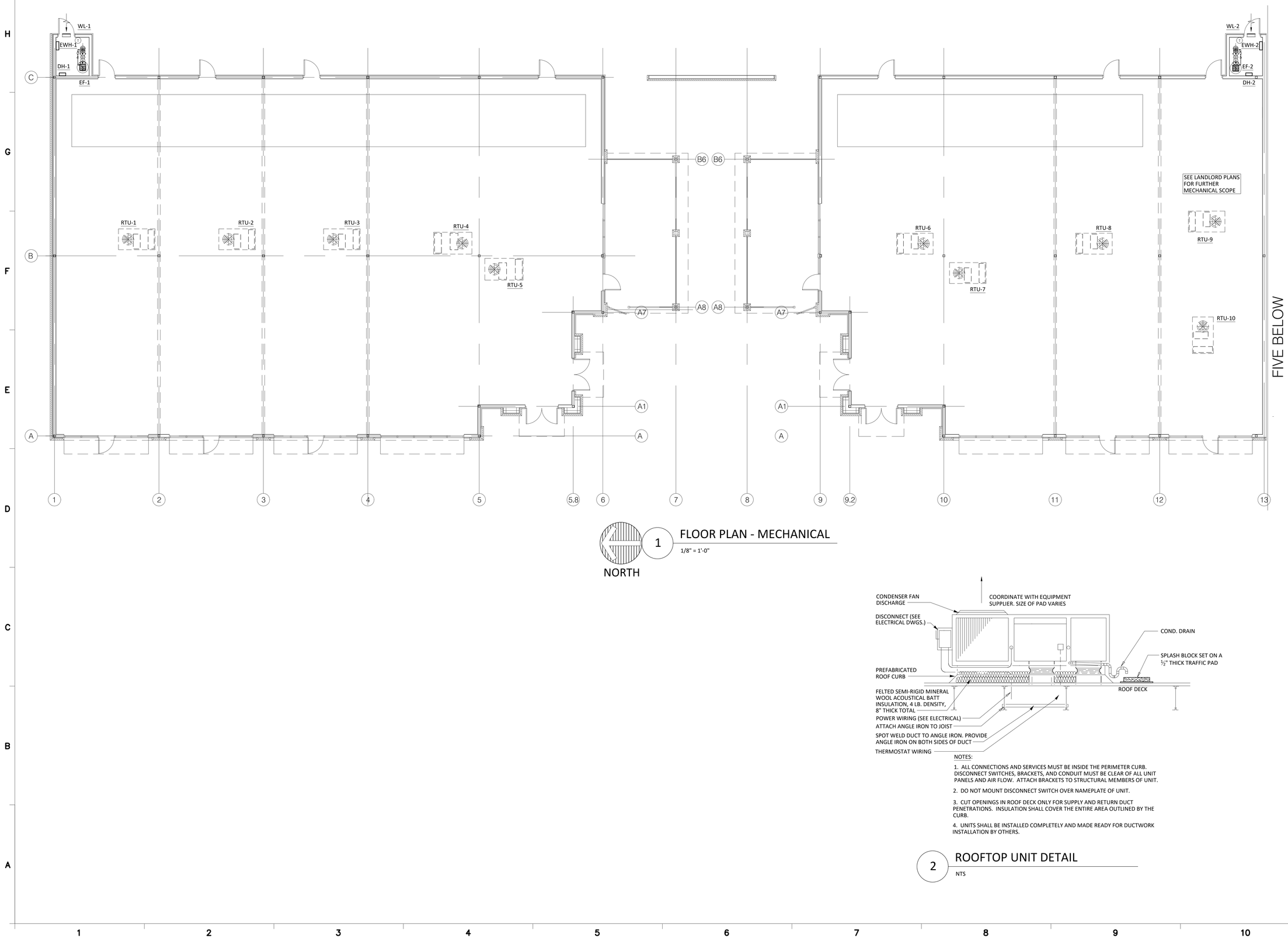
THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM1800037

ALABAMA LICENSED PROFESSIONAL ENGINEER JONATHAN CHESTNUT

Schedules, Specs, & Details - Mechanical

M0.1

sheet of



1 FLOOR PLAN - MECHANICAL

1/8" = 1'-0"

NOTES:

1. ALL CONNECTIONS AND SERVICES MUST BE INSIDE THE PERIMETER CURB. DISCONNECT SWITCHES, BRACKETS, AND CONDUIT MUST BE CLEAR OF ALL UNIT PANELS AND AIR FLOW. ATTACH BRACKETS TO STRUCTURAL MEMBERS OF UNIT.
2. DO NOT MOUNT DISCONNECT SWITCH OVER NAMEPLATE OF UNIT.
3. CUT OPENINGS IN ROOF DECK ONLY FOR SUPPLY AND RETURN DUCT PENETRATIONS. INSULATION SHALL COVER THE ENTIRE AREA OUTLINED BY THE CURB.
4. UNITS SHALL BE INSTALLED COMPLETELY AND MADE READY FOR DUCTWORK INSTALLATION BY OTHERS.

2 ROOFTOP UNIT DETAIL

NTS

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THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER JONATHAN CHAD

Floor Plan - Mechanical

M2.1

sheet of

MECHANICAL SPECIFICATIONS

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED PER MODEL NUMBER GIVEN OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
7. UNLESS NOTED OTHERWISE, DISCONNECTS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
8. STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
12. ROOFTOP UNITS SHALL BE INSTALLED ON A ROOF CURB WITH 12" MIN CLEARANCE (CURB SHALL BE GREATER THAN 12"). COORDINATE LOCATIONS WITH EXISTING EQUIPMENT, ARCHITECT, AND STRUCTURAL ENGINEER.
13. DUCT: SUPPLY, RETURN, OA, TA, AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD. FLEXIBLE DUCTWORK SHALL NOT EXCEED 6'-0" FOR ANY RUN. SHEETMETAL DUCT SHALL BE USED FOR ALL RETURN DUCT, EXCEPT AS REQUIRED FOR CONNECTION TO A UNIT.
14. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. PROVIDE R-6 MINIMUM (HIGHER IF REQUIRED PER ENERGY CODE) INSULATION BY JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF THE FOIL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINTS SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER. ALL SUPPLY DUCTS SHALL BE INSULATED. ALL OTHER DUCT SHALL BE INSULATED AS SHOWN OR PER ENERGY CODE.
15. ALL DUCTWORK SHALL BE CONSTRUCTED BY THE LATEST GUIDELINES OF SMACNA . DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS . ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE ½" AND ALL JOINTS SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".
16. FLEXIBLE DUCTWORK SHALL BE THE INSULATED TYPE (AS REQUIRED BY CODE) CLASS I AIR DUCT, UL 181 LISTED, THERMAFLEX OR EQUAL. DUCT SHALL BE SIZED AT 0.08"/100 FT STATIC PRESSURE DROP WHERE A SIZE IS NOT NOTED ON DRAWINGS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED. FLEXIBLE DUCT SHALL NOT EXCEED 6'-0" FOR ANY DUCT RUN.
17. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH BALANCING DAMPERS.
18. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, R=4.2 PER INCH, MANVILLE LINACOUSTIC OR EQUAL. DUCT LINER SHALL MEET REQUIREMENTS OF NFPA 90A & 90B, FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50, MEET ASTM G-21 AND G-22, A MIN NOISE REDUCTION COEFFICIENT OF 0.70. LINE ALL DUCTWORK MIN, 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL EDGES, SEAMS, RIPS, TEARS, ETC COMPLETELY (NO OPENINGS ALLOWED) WITH MANUFACTURER RECOMMENDED SEALER. NOTE: LINER IS NOT A SUBSTITUTE FOR INSULATION UNLESS SPECIFICALLY NOTED TO BE.
19. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
20. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER. ROUND OR RECTANGULAR DUCT MAY BE USED INTERCHANGEABLY IN CONCEALED AREAS AS LONG AS THE STATIC PRESSURE IN THE DUCT IS NOT INCREASED. PERMISSION SHALL BE OBTAINED FOR CHANGING EXPOSED DUCT.
21. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS). ROUTE CONDENSATE TO BUILDING EXTERIOR AND PROVIDE A DRY WELL WHERE REQUIRED. PROVIDE SPLASH BLOCKS FOR CONDENSATE ON THE ROOF. CONDENSATE SHALL BE PUMPED WHERE REQUIRED.
22. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST AND RETURN AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS.
23. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.
24. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
25. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
26. THERMOSTATS SHALL NOT HAVE MERCURY. MOUNT THERMOSTATS 4' - 4" AFF UNLESS NOTED OTHERWISE.
27. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS AND LIGHTS, CEILING GRID, ETC.
28. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.
29. DURING CONSTRUCTION AND PRIOR TO OPERATING AIR EQUIPMENT PROVIDE 2" PLEATED FILTERS IN UNITS. ALSO PROVIDE FILTER MEDIA AT RETURN DUCT INLET. AT TIME OF TEST AND BALANCE REMOVE FILTER MEDIA AND PLEATED FILTERS AND PROVIDE SCHEDULED/SPECIFIED FILTERS FOR UNITS.
30. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.
31. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT.
32. WHERE INDICATED IN THE SCHEDULES, SPECIFICATIONS, OR DETAILS, PROVIDE MVDs AT SUPPLY TAKE-OFFS, WHERE ACCESSIBLE CEILING (LAY-IN) IS PROVIDED, OF RUNOUTS TO DIFFUSERS AND WHERE SHOWN ON PLANS. IF THE DUCT IS ABOVE AN INACCESSIBLE CEILING, A REMOTE OPERATOR SHALL BE PROVIDED IN A LOCATION APPROVED BY THE ARCHITECT. WHERE BALANCING DAMPERS ARE ALSO PROVIDED AT THE SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE), BALANCE THE SYSTEM WITH THE DAMPER AT THE TAKE-OFF (NOT AT GRILLE). GRILLE DAMPER SHOULD BE 100% OPEN AFTER TEST AND BALANCE.
33. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.
34. ROUTE DUCT HIGH AS POSSIBLE UNDER JOIST/ROOF SUPPORT.
35. FIRESTOPPING ALL PIPE AND DUCT PENETRATIONS OF FIRE AND OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO. CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/ STRIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
36. DAMAGED BUILDING COMPONENTS (CEILING GRID, CEILING TILES, WALL CEILINGS, LIGHT FIXTURES, ETC.) SHALL BE REPLACED TO AT LEAST THE QUALITY OF THE DAMAGED ITEM OR SURROUNDING AREA.
37. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.
38. CONTROLS:
    A. PROVIDE NEW THERMOSTATS WHERE SHOWN ON PLANS. COORDINATE WITH LIGHT SWITCHES AND WITH ARCHITECT.
    B. INTERLOCK EXHAUST FANS WITH ASSOCIATED LIGHT SWITCH.

PACKAGED GAS/ELECTRIC ROOFTOP UNIT SCHEDULE

MARK	SUPPLY AIRFLOW	DESIGN OUTSIDE AIRFLOW	ELECTRICAL DATA			COOLING						HEATING			FAN		MAKE/MODEL	ACCESSORIES
			V/Ø	MCA	MOCP	EDB/EWB	AMBIENT	TOTAL CAP.	SENSIBLE CAP.	COIL LDB	MIN SEER	CAPACITY IN/OUT (MBH)	EDB/LDB	AFUE	SUPPLY FAN HP	EXT. S.P. (IN WG)		
RTU-9	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15
RTU-10	2000 CFM	---	208/3	34	45	80/67	95°F	60.0	48.0	55 °F	14	115/90	65/90 °F	80%	1.0	1/2	CARRIER: 48HC	1 THRU 15

ACCESSORIES:
1. MANUAL OA DAMPER AND BAROMETRIC RELIEF DAMPER.
2. INSULATED FACTORY ROOF CURB, 14" MIN. PROVIDE EARLY TO JOB SITE.
3. 7-DAY PROGRAMMABLE THERMOSTAT, AUTOCHANGEOVER

NOTE: DESIGN OUTSIDE AIRFLOW DETERMINED BY TENANT ENGINEER.

4. 2 SETS OF FILTERS. REPLACE FILTERS AFTER CONSTRUCTION, BEFORE BUILDING TURNOVER.
5. SINGLE POINT POWER CONNECTION THRU BASE OF UNIT.
6. INSULATE UNDERSIDE OF RTU FOR SOUND ATTENUATION.
7. ANTI-SHORTCYCLE TIMER.
8. ACCESSORIES FOR LOW AMBIENT OPERATION.
9. STARTER BY MFR, DISCONNECT BY EC.
10. HINGED ACCESS PANELS.
11. UNITS SHALL MEET ASHRAE 90.1 MIN.
12. SMOKE DETECTOR PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
13. PROVIDE UNIT SPECIFIED OR TRANE, DAIKIN, LENNOX, JCI/YORK OR APPROVED EQUAL.
14. PROVIDE GAS PRESSURE REGULATORS.
15. PROVIDE ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.

HVAC LEGEND

SYMBOL	ABBREV.	DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCTWORK (POSITIVE PRESSURE)
		DUCTWORK (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR EXAMPLE)
10"Ø		DUCT SIZE IN INCHES (ROUND EXAMPLE)
T EF-1		THERMOSTAT (EQUIPMENT CONTROLLED)
S		DUCT MOUNTED SMOKE DETECTOR
FD	FD	FIRE DAMPER
2		RETURN AIR OPENING (SQUARE FEET)
		DUCT TRANSITION
	MVD	MANUAL VOLUME DAMPER
		LINED DUCTWORK
		EQUIPMENT/PIPING ON ROOF
		EQUIPMENT/PIPING UNDER ROOF
	EF	EXHAUST FAN
	SF	SUPPLY FAN
	WL	WALL MOUNTED LOUVER/DAMPER
	RTU	ROOF TOP UNIT
	T.T.S.	TIGHT TO UNDERSIDE OF STRUCTURE
	B.O.	BY OTHERS
	U.N.O.	UNLESS NOTED OTHERWISE
	VTR	VENT THRU ROOF
	A.F.F.	ABOVE FINISHED FLOOR
	OA	OUTSIDE AIR
	MC	MECHANICAL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	MFR	MANUFACTURER
	MTD	MOUNTED

FAN SCHEDULE

Ceiling Exhaust Fan — MARK: EF-1,2

Qty	Greenheck Model	Volume (CFM)	External SP / Total SP (in wg)	FRPM	Max Sound	Weight (Lb.)	Motor Information: Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
2	SP-A200	70	0.5 / 0.5	770	42 dB	22	28W	115/60/1	OP	900	1	NA

OPTIONS AND ACCESSORIES

UL/cUL 507 Listed - Electric Fan
Solid State Speed Control
Wall Cap, Paintable
Designer Grille
Round Duct Connector
Polypropylene Wheel Material
Energy Star Rated

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	TYPE OF SERVICE	FACE SIZE	NECK SIZE	MAX ROOM NC	MAX SP (IN WG)	INTEGRAL DAMPER	BASIS OF DESIGN
A	SA	24"x24"	SEE PLANS	35	0.10	Y	TITUS: TMSA
B	RA	24"x24"	SEE PLANS	35	0.10	N	TITUS: 50F

1. RUN OUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS NOTED OTHERWISE ON DRAWINGS.
2. FINISH FOR ALL DEVICES SHALL BE NO. 26 WHITE, UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DRAWINGS
3. IN GENERAL, ADD 2" IN BOTH DIMENSIONS ON FACE SIZE FOR BORDER.
4. MFR SHALL BE AS ABOVE OR BY PRICE, KRUEGER, ANEMOSTAT, TUTTLE & BAILEY

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THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM1800037

ALABAMA LICENSED PROFESSIONAL ENGINEER JONATHAN CHESHIRE

Schedules, Specs, & Details - Mechanical

M3.0

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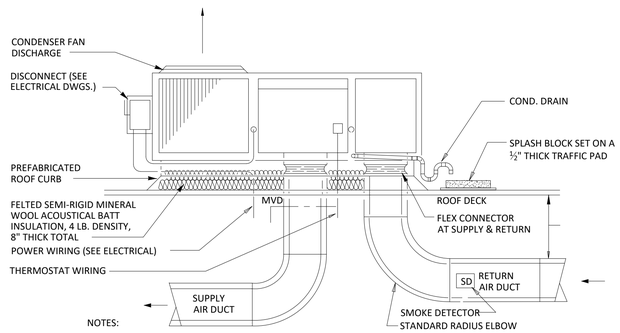
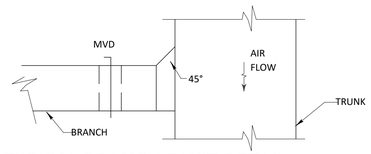


NOTES:

1. ALL CONNECTIONS AND SERVICES MUST BE INSIDE THE PERIMETER CURB. DISCONNECT SWITCHES, BRACKETS, AND CONDUIT MUST BE CLEAR OF ALL UNIT PANELS AND AIR FLOW. ATTACH BRACKETS TO STRUCTURAL MEMBERS OF UNIT.
2. DO NOT MOUNT DISCONNECT SWITCH OVER NAMEPLATE OF UNIT.
3. CUT OPENINGS IN ROOF DECK ONLY FOR SUPPLY AND RETURN DUCT PENETRATIONS. INSULATION SHALL COVER THE ENTIRE AREA OUTLINED BY THE CURB.
4. IF NOT NOTED OTHERWISE, LINE SUPPLY & RETURN DUCT THE FIRST 10 FT FROM UNIT

6 ROOFTOP UNIT DETAIL

NTS



2 TYPICAL BRANCH DUCT DETAIL

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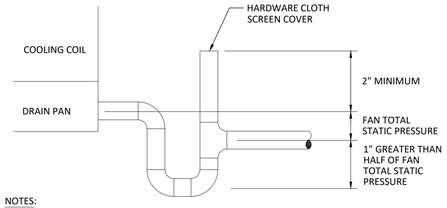
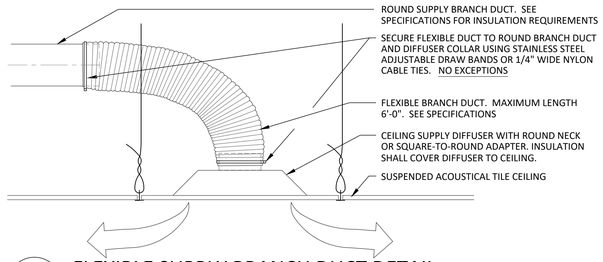


NOTES:

1. ALL PIPING SHALL BE FULL SIZE OF DRAIN CONNECTION.
2. EXTEND DRAIN TO GRADE, PLUMBING FIXTURE, OR CODE-APPROVED LOCATION.
3. FOR ROOF MOUNTED EQUIPMENT, TERMINATE DRAIN OVER SPLASH BLOCK OR ROUTE TO ROOF DRAIN.
4. WHERE SUPPORTED, ISOLATE PIPING FROM CLAMPS WITH OF 1/2" THICK NEOPRENE INSULATION.

3 CONDENSATE DRAIN PIPING DETAIL

NTS



4 FLEXIBLE SUPPLY BRANCH DUCT DETAIL

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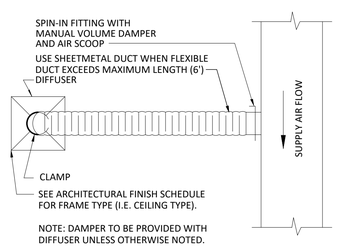

5 FLEXIBLE SUPPLY RUNOUT DETAIL

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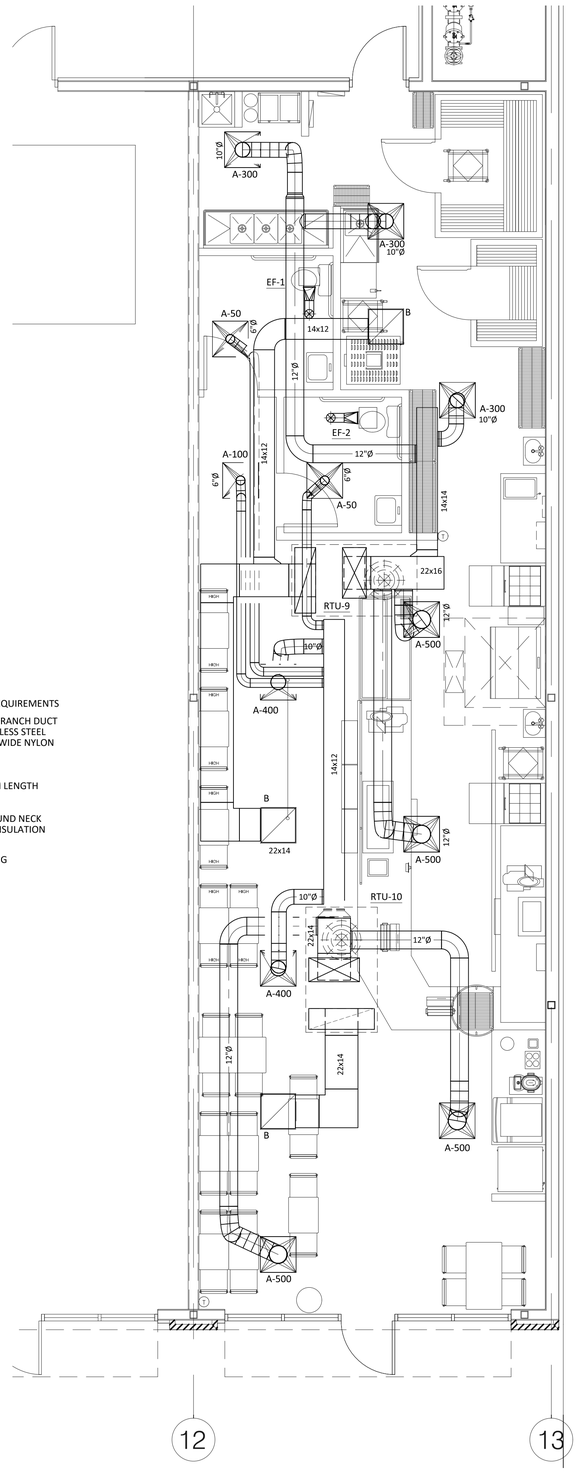

1 FLOOR PLAN - MECHANICAL

1/8" = 1'-0"

NORTH

FIVE BELOW

GMC

AS BUILT

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ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:
DRAWN BY:
CHECKED BY:

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER JONATHAN CHRISTOPHER BYRNE

Details & Floor Plan - Mechanical

M3.1

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FIRE ALARM NOTES AND SPECIFICATIONS:

1. PROVIDE A UL 864 LISTED FIRE ALARM SPRINKLER MONITORING SYSTEM PER IBC 903.4 INCLUDING, BUT NOT EXCLUSIVE TO: UL 864 LISTED SPRINKLER MONITORING PANEL W/DIALER, SPRINKLER TAMPER/FLOW SWITCH CONNECTIONS, RELAYS, DETECTION AND NOTIFICATION DEVICES, ETC. CONFIRM FA SYSTEM REQUIREMENTS FOR BOTH BUILDINGS WITH FIRE MARSHALL PRIOR TO BID.
2. ACCEPTABLE MANUFACTURER'S ARE NOTIFIER, EST, SIMPLEX, OR GAMEWELL.
3. PROVIDE MONITOR AND ALARM CONNECTION TO SPRINKLER FLOW AND TAMPER SWITCHES. COORDINATE WITH FIRE PROTECTION SUBCONTRACTOR FOR LOCATIONS AND QUANTITY.
4. THE DRAWINGS ARE DIAGRAMMATIC. THE DEVICES SHOWN ON THE PLANS ARE FOR GENERAL ARCHITECTURAL AND OWNER COORDINATION AND SHALL BE CONSIDERED A MINIMUM. ADDITIONAL DEVICES MAY NEED TO BE PROVIDED AS REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS, DEVICES, AND CONNECTIONS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM AS REQUIRED BY NFPA AND THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND PROVIDE THE NECESSARY DEVICES, CONNECTIONS AND ZONES REQUIRED. PROVIDE QUANTITY OF AUDIO/VISUAL DEVICES AND POWER SUPPLIES AS REQUIRED BY NFPA AND THE AUTHORITY HAVING JURISDICTION. PROVIDE POWER AS REQUIRED FOR POWER SUPPLIES, ETC FROM NEAREST 120/208V PANEL. ALL BREAKERS CONNECTING TO FIRE ALARM SYSTEM EQUIPMENT SHALL BE PROVIDED WITH A LOCK-ON DEVICE.

ELECTRICAL GENERAL NOTES AND SPECIFICATIONS:

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2014 NATIONAL ELECTRICAL CODE WITH ALABAMA AMENDMENTS (AS APPLICABLE).
2. THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
3. COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
4. ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
5. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
6. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
7. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.
8. ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
9. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
10. THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
11. LABEL ALL PANELS, CIRCUITS, SPACES AND SPARES PER NEC 408.4. PROVIDE A NEW DIRECTORY FOR ALL PANELS.
12. ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER NEC 410.
13. ALL PENETRATIONS THROUGH FIRE WALL AND FLOORS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1479 OR ASTM E814 FIRE RATING IN ACCORDANCE WITH NEC ARTICLE 300.21.
14. MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
15. ALL BRANCH CIRCUITS SHALL BE WIRED 1/2"C, 2#12, 1#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM 3/4" CONDUIT.
16. UNLESS NOTED OTHERWISE, MULTIWIRE BRANCH CIRCUITS MAY BE USED WHERE APPLICABLE FOR THE SAME LOAD TYPE UTILIZING A COMMON NEUTRAL FOR UP TO THREE (3) CIRCUITS OF A DIFFERENT PHASE EXCEPT FOR CIRCUITS RATED MORE THAN 20 AMPS, MULTI-PHASE CIRCUITS, CIRCUITS DEDICATED TO COMPUTER EQUIPMENT AND CIRCUITS SERVING ONLY ONE OUTLET OR DEVICE. OVERCURRENT PROTECTION SHALL COMPLY WITH NEC 210.4.
17. PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
18. ALL SWITCHES FOR LIGHTS, FANS, ETC., WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
19. ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY (WHERE ACCEPTABLE BY AHJ) AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
20. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVERPLATES SHALL BE AS SELECTED BY ARCHITECT.
21. LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY PRE-APPROVED EQUAL FIXTURES ACCEPTABLE.
22. FLUORESCENT BALLASTS SHALL BE ELECTRONIC WITH A MAXIMUM OF 10% THD AND AS MANUFACTURED BY ADVANCE, OSRAM/SYLVANIA, GE/MAGNETEK, OR MOTOROLA.
23. RACEWAYS: RIGID GALVANIZED STEEL FOR ALL EXPOSED LOCATIONS WHERE SUBJECT TO DAMAGE OR THE ELEMENTS; EMT FOR CONCEALED, DRY LOCATIONS UNLESS NOTED OTHERWISE; SCHEDULE 40 PVC BELOW GRADE.
24. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE ON PLANS. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THWN" OR "THHN/THWN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
25. ALL BOXES SHALL BE PRESSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE. PROVIDE WITH STAINLESS STEEL COVER PLATES.
26. ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK, JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
27. RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR LEVITON. COLOR FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT.

SINGLE RECEPTACLE	#HBL5361X
DUPLEX RECEPTACLE	#HBL5352X
GFCI RECEPTACLE	#GF5352X

28. SWITCHES SHALL BE 120/277V, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR EAGLE. COLOR FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT.

SINGLE POLE	#HBL1221X
THREE WAY	#HBL1223X
FOUR WAY	#HBL1224X

(ADD "L" SUFFIX FOR KEYED LOCKING TYPE)

29. PANELBOARDS, MOTOR STARTERS, SAFETY SWITCHES (HEAVY DUTY), ETC. SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMENS, OR CUTLER HAMMER. ALL BREAKERS SHALL BE "BOLT-ON" TYPE.
30. FUSED DISCONNECT SWITCHES SHALL HAVE REJECTION TYPE FUSE CLIPS WITH DUAL ELEMENT CURRENT LIMITING FUSES AT RATINGS SHOWN ON PLANS. THE UL SHORT CIRCUIT RATING SHALL BE 200,000 AMPS RMS SYS. USE CLASS J FUSES FOR 1 TO 600 AMPS AND CLASS L FUSES ABOVE 600 AMPS.
31. FOR EQUIPMENT THAT IS TO BE WIRED BY ELECTRICAL CONTRACTOR AND FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN.
32. CONTRACTOR SHALL INSTALL CONDUCTORS SIZED FOR VOLTAGE DROP BASED ON TOTAL DEVELOPED LENGTH OF CIRCUIT. VOLTAGE DROP SHALL NOT EXCEED 3%.
33. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE SIDE TO THE NEXT STUD SPACE.
34. ALL CEILING MOUNTED RECEPTACLES AND VOICE/DATA OR CATV OUTLETS ARE NOT TO BE SUPPORTED BY THE CEILING TILES. THE OUTLET BOXES SHOULD HAVE VERTICAL AND HORIZONTAL SUPPORT FROM THE STRUCTURE ABOVE.
35. ALL MATERIALS WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX SPEED OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.
36. COORDINATE SETTINGS OF OCCUPANCY SENSORS AND TIMECLOCKS WITH OWNER PRIOR TO PROJECT COMPLETION.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD. WITH ARCH.)
	FLUORESCENT OR LED LIGHT FIXTURE	
	EMERGENCY EGRESS LIGHT FIXTURE	
	EXIT SIGN (PROVIDE FACES AND ARROWS AS SHOWN)	
	CONDUIT RUN CONCEALED IN WALL OR CEILING (IF POSSIBLE). IF CONDUIT IS REQUIRED TO BE EXPOSED, ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE.	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CIRCUITS HOMERUN TO THE PANEL	
	NUMBER OF CONDUCTORS (GROUND NOT SHOWN)	
	FLEXIBLE CONDUIT OR CORD	
	PLYWOOD BACKBOARD	
	DUPLEX RECEPTACLE – WALL MOUNTED	18" UNO
or IG	ISOLATED GROUND DUPLEX RECEPTACLE – WALL MOUNTED	18" UNO
or GFI	GFCI DUPLEX RECEPTACLE OR RECEPTACLE CONNECTED TO GFCI BREAKER (IF SHOWN IN PB SCHEDS) – WALL MTD	18" UNO
	OUTLET ABOVE THE COUNTER OR OUTLET MOUNTED ABOVE NORMAL MOUNTING HEIGHT	6" AC UNO/AS NOTED
	QUADRUPLEX RECEPTACLE – WALL MOUNTED	18" UNO
	SWITCHED DUPLEX RECEPTACLE. SWITCH THE BOTTOM HALF.	18"
	SPECIAL AMP/VOLT RECEPTACLE – WALL MOUNTED – NEMA TYPE AS INDICATED ON PLANS.	18" UNO
	FLOOR MOUNTED RECEPTACLE	
	VOICE AND DATA OUTLET – WALL MOUNTED	18" UNO
	TELEVISION CABLE OUTLET – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
	FLOOR MOUNTED VOICE AND DATA OUTLET	
J	JUNCTION BOX	
J	JUNCTION BOX – WALL MOUNTED	
	SPST SWITCH – WALL MOUNTED	48"
3	3-WAY SWITCH – WALL MOUNTED	48"
4	4-WAY SWITCH – WALL MOUNTED	48"
D	DIMMER SWITCH – WALL MOUNTED – PROVIDE WATTAGE/TYPE TO MATCH FIXTURE DIMMING DRIVER/BALLAST TYPE	48"
K	KEYED SWITCH – WALL MOUNTED	48"
T	TIMER SWITCH – WALL MOUNTED – WATTSTOPPER TS-400 OR EQUAL	48"
F	ADJUSTABLE FAN SPEED CONTROLLER – WALL MOUNTED	
OS	WALL MOUNTED OCCUPANCY SENSOR (SINGLE RELAY UNO) – WATTSTOPPER PW-100 OR EQUAL	48"
DSB	WALL MOUNTED OCCUPANCY SENSOR AND 0-10V DIMMER – LSI WS10-OS-XX OR EQUAL	48"
OS	CEILING MOUNTED OCCUPANCY SENSOR – WATTSTOPPER DT-300 OR EQUAL	
PP	OCCUPANCY SENSOR POWER PACK	
	120/208 VOLT PANELBOARD OR DISTRIBUTION PANEL – FLUSH OR SURFACE MOUNTED AS INDICATED IN SCHEDULE	
	DISCONNECT (FRAME AND POLES TO MATCH OCP OR AS NOTED)	
	FIRE ALARM PULL STATION – WALL MOUNTED	48"
	FIRE ALARM ADA APPROVED AUDIO/VISUAL (110cd)	80"
	FIRE ALARM ADA APPROVED VISUAL ONLY (110cd)	80"
	FIRE ALARM PULL STATION AT 48" AND AUDIO/VISUAL AT 80" AFF	
S	SMOKE DETECTOR – CEILING MOUNTED	
D	DUCT MOUNTED SMOKE DETECTOR	
H H	HEAT DETECTOR – CEILING MOUNTED, WALL MOUNTED	
F T	PROVIDE FIRE ALARM CONNECTION TO SPRINKLER FLOW AND TAMPER SWITCHES/VALVES. COORDINATE QUANTITY AND LOCATIONS WITH SPRINKLER CONTRACTOR.	
AC	ABOVE COUNTER	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
EC / MC / PC	ELECTRICAL CONTRACTOR / MECHANICAL CONTRACTOR / PLUMBING CONTRACTOR	
NL	NIGHT LIGHT (ON 24 HRS A DAY)	
UNO	UNLESS NOTED OTHERWISE	
XFMR	TRANSFORMER	
WP	WEATHER PROOF	

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DESIGNED BY: CG
DRAWN BY: CG
CHECKED BY: JBH

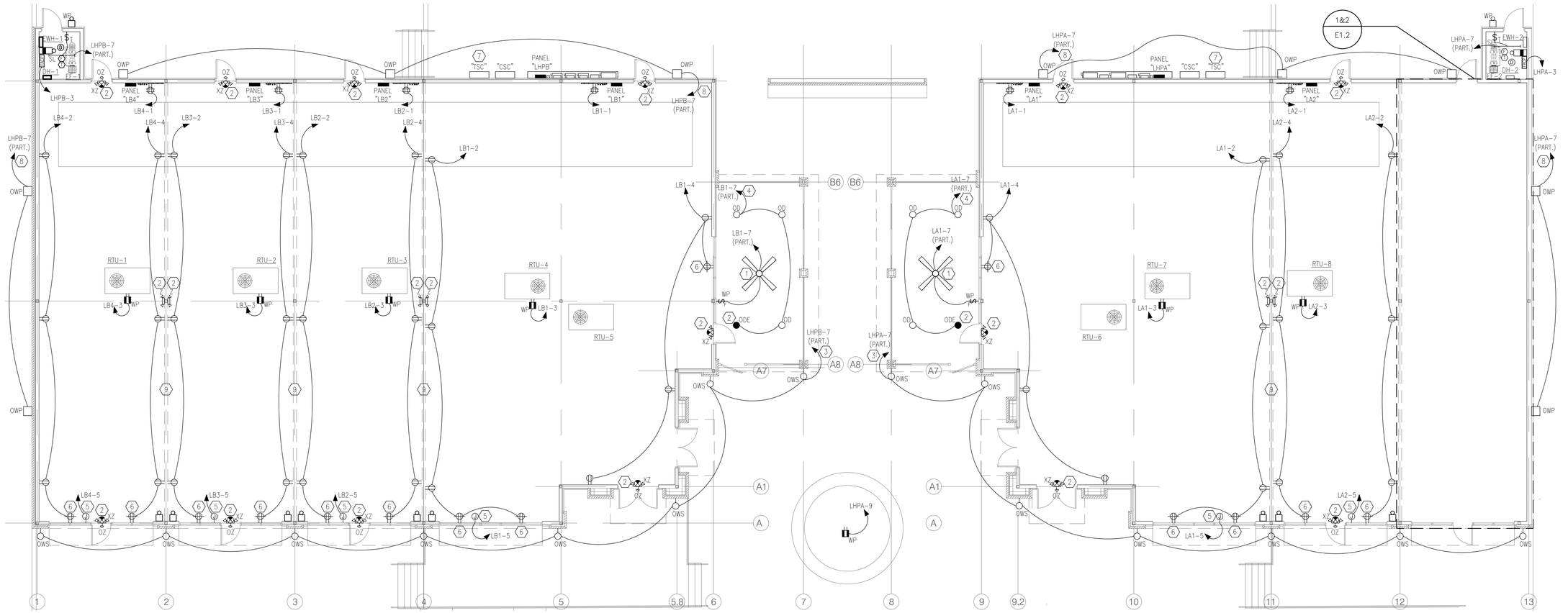
THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM180037

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER

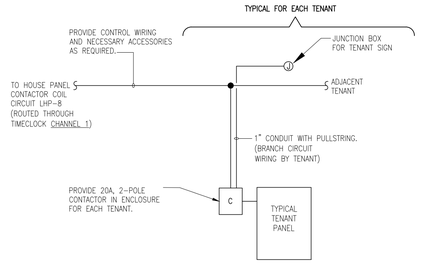
Electrical General Notes and Legend

E0.1

sheet of



TYPICAL FOR EACH TENANT



2 TYPICAL TENANT SIGN CONTROL

NOT TO SCALE

HVAC EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

TAG	LOAD	VOLT./~	CIRCUIT DESIGNATION	BREAKER	BRANCH CIRCUIT	NOTE
RTU-1	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-2	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-3	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-4	57.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	70/3	3#4, 1#8G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-5	57.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	70/3	3#4, 1#8G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-6	57.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	70/3	3#4, 1#8G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-7	57.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	70/3	3#4, 1#8G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-8	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-9	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
RTU-10	34.0 MCA	208/3	SEE PANEL SCHEDULES ON E3.1	45/3	3#6 1#10G, 1-1/4"C.	WP DISCONNECT BY EC
EWH-1,2	0.5 KW	120/1	LHPB-5; LHPA-5	20/1	2#12 1#12G, 3/4"C.	DISCONNECT BY EC
DH-1,2	0.92 MCA	120/1	LHPB-11 (PART.); LHPA-11 (PART.)	20/1	2#12 1#12G, 3/4"C.	DISCONNECT BY EC
EF-1,2	35 W	120/1	LHPB-11 (PART.); LHPA-11 (PART.)	20/1	2#12 1#12G, 3/4"C.	DISCONNECT BY EC

1. CONFIRM EXACT ELECT. REQUIREMENTS AND LOCATIONS OF MC/PC PROVIDED HVAC/PLUMBING EQUIPMENT PRIOR TO ROUGH-IN.
2. ALL DISCONNECTS LOCATED OUTSIDE SHALL BE WEATHERPROOF.
3. PROVIDE HACR TYPE BREAKERS FOR CIRCUITS FEEDING HACR TYPE EQUIPMENT.

1 ELECTRICAL FLOOR PLAN – POWER AND LIGHTING

1/8" = 1'-0"

GENERAL NOTES (APPLY TO THIS SHEET ONLY):

1. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE TO THE NEXT STUD SPACE.
2. COORDINATE/CONFIRM EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES SHOWN ON THIS SHEET WITH ARCHITECT PRIOR TO ROUGH-IN.
3. COORDINATE EXACT DESIRED SWITCHING ARRANGEMENT AND SWITCH LOCATIONS WITH OWNER/TENANTS PRIOR TO ROUGH-IN.

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. OUTDOOR RATED CEILING FAN WITHOUT LIGHT KIT.
2. CONNECT TO UNSWITCHED "HOT" FROM LIGHTING CIRCUIT FEEDING THIS AREA.
3. ROUTE THROUGH HOUSE TIMECLOCK CHANNEL 2.
4. ROUTE THROUGH TIMECLOCK CHANNEL 1 OF ASSOCIATED TENANT SPACE. SEE E2.1 & E2.2 FOR MORE INFO.
5. FOR TENANT SIGN. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH SIGN PROVIDER PRIOR TO ROUGH-IN. SEE DETAIL 2 ON THIS SHEET FOR MORE INFORMATION ON CONTROLS.
6. WALL OR CEILING MOUNT RECEPTACLE CENTERED ABOVE WINDOW IN ACCORDANCE WITH NEC 210.62.
7. PROVIDE GFCI QUADRUPLEX RECEPTACLE MOUNTED IN TELEPHONE SERVICE CABINET FED FROM DEDICATED CIRCUIT LHPB-1 FOR BUILDING B AND LHPA-1 FOR BUILDING A VIA 2#12, 1#12G, 3/4"C.
8. ROUTE THROUGH HOUSE TIMECLOCK CHANNEL 3.
9. INSTALL DEVICES SHOWN ON DASHED WALLS ONLY IF WALLS ARE INSTALLED.

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	LAMP TYPE	MANUFACTURER/MODEL	NOTES
OWP	LED WALL PACK FIXTURE WITH TYPE IV, F4 DISTRIBUTION. FINISH TO BE SELECTED BY ARCHITECT.	LED - 125W [4000K]	GE LIGHTING EWNB SERIES OR EQUAL	
OWS	LED EXTERIOR WALL SCONCE TO MATCH SITE STANDARD WALL SCONCE.	LED - 20W [4000K]	MATCH EXISTING BUILDING STANDARD	
OD	4" APERTURE LED DOWNLIGHT WITH 2000 LUMEN OUTPUT, SEMI-SPECULAR REFLECTOR, MEDIUM DISTRIBUTION, WHITE FLANGE, AND ELECTRONIC DRIVER.	LED - 23.5W [4000K]	GOTHAM EVO SERIES OR EQUAL	
ODE	SAME AS "OD" EXCEPT WITH EMERGENCY EGRESS BATTERY PACK.			
OZ	EXTERIOR ARCHITECTURAL EMERGENCY FIXTURE WITH BATTERY.	LED	EVENLITE WLEM SERIES OR EQUAL	
A	2'x4', 3" NOMINAL DEEP, 18 CELL STATIC PARABOLIC LOUVER WITH 3 LAMPS AND ELECTRONIC MAX 10% THD BALLAST.	(3) T8 32W [4100K]	LITHONIA 2PM3N SERIES OR EQUAL	
A2	2'x2', 3" NOMINAL DEEP, 9 CELL STATIC PARABOLIC LOUVER WITH 2 LAMPS AND ELECTRONIC MAX 10% THD BALLAST.	(2) T8 31W [4100K]	LITHONIA 2PM3N SERIES OR EQUAL	
B	2'x4' STATIC LENS FRAME TROFFER WITH PRISMATIC VIRGIN ACRYLIC LENS (0.125" MIN. THICKNESS), FULLY GASKETED HOUSING, 3 LAMPS, AND ELECTRONIC MAX 10% THD BALLAST.	(3) T8 32W [4100K]	LSI WL SERIES OR EQUAL	
SL	4', LED LENSED STRIP FIXTURE WITH SS DRIVE CURRENT AND ELECTRONIC DRIVER.	LED - 30.1W [4000K]	LSI SDL SERIES OR EQUAL	
XZ	COMBO EMERGENCY/EXIT FIXTURE WITH BATTERY. WHITE WITH RED LETTERS. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN. WALL OR CEILING MOUNT AS REQUIRED.	LED	EVENLITE TLP SERIES OR EQUAL	
Z	2-HEAD EMERGENCY FIXTURE WITH BATTERY.	LED	LSI LTEM SERIES OR EQUAL	

LIGHTING FIXTURE SCHEDULE NOTES:

1. CONFIRM VOLTAGE WITH DRAWINGS AND COORDINATE/CONFIRM ALL MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ORDERING AND INSTALLATION. ARCHITECT TO PROVIDE ALL FINISHES AND MOUNTING HEIGHTS OF WALL MOUNTED FIXTURE TYPES.
2. PROVIDE MOUNTING OPTION(S) NECESSARY TO ACCOMMODATE CEILING TYPES SPECIFIED BY ARCHITECTURAL DOCUMENTS FOR ALL RECESSED FIXTURES.
3. THE COLOR TEMPERATURE FOR ALL FIXTURE LIGHT SOURCES SHALL BE AS NOTED IN LIGHTING FIXTURE SCHEDULE ABOVE.

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AS BUILT

ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:	JBH
DRAWN BY:	CG
CHECKED BY:	JBH

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMG180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31887 JEFFREY B. HOLLOWAY

Electrical Overall Building Plan - Power and Lighting

E1.1

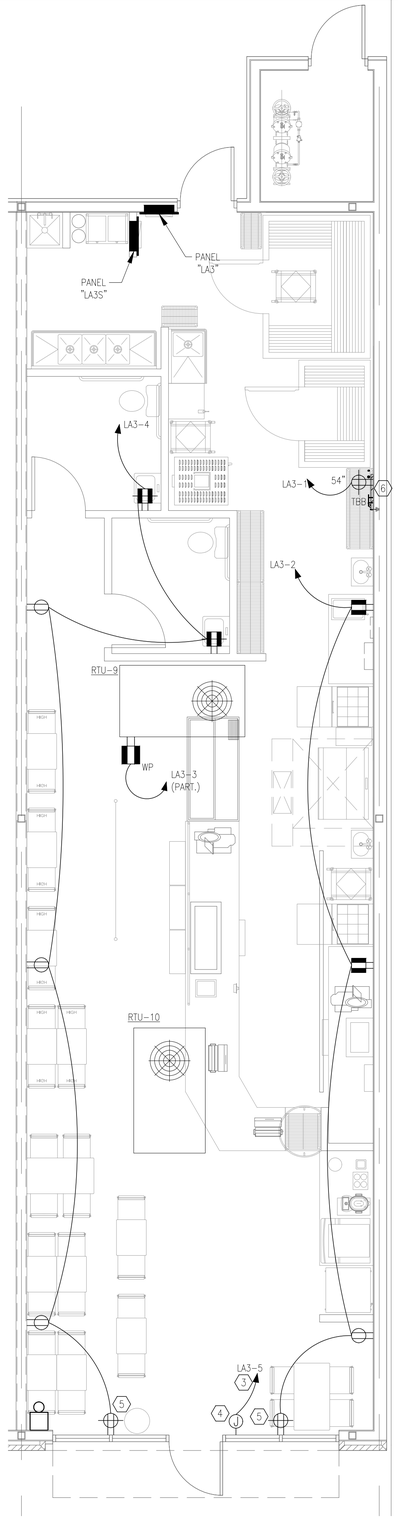
sheet of

GENERAL NOTES (APPLY TO THIS SHEET ONLY):

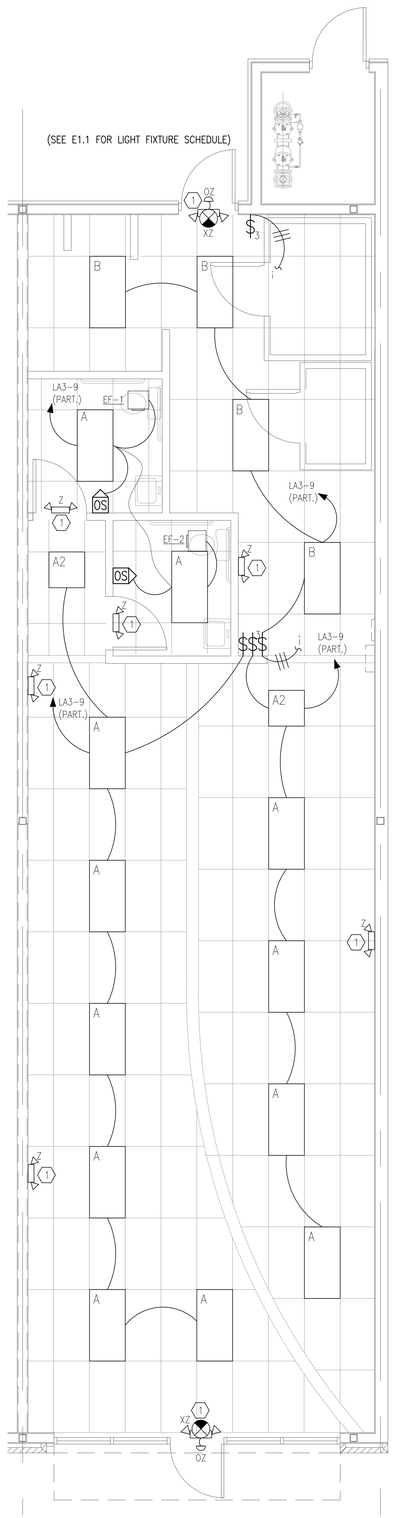
1. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE TO THE NEXT STUD SPACE.
2. COORDINATE/CONFIRM EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES SHOWN ON THIS SHEET WITH ARCHITECT PRIOR TO ROUGH-IN.
3. COORDINATE EXACT DESIRED SWITCHING ARRANGEMENT AND SWITCH LOCATIONS WITH OWNER/TENANTS PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES SHOWN SHALL BE MOUNTED AT 15" AFF UNLESS NOTED OTHERWISE .

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. CONNECT TO UNSWITCHED "HOT" FROM LIGHTING CIRCUIT FEEDING THIS AREA.
2. ROUTE THROUGH TIMECLOCK CHANNEL 1 OF THIS TENANT SPACE. SEE E2.1 FOR MORE INFO.
3. ROUTE THROUGH TIMECLOCK CHANNEL 2 OF THIS TENANT SPACE. SEE E2.1 FOR MORE INFO.
4. FOR TENANT SIGN. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH SIGN PROVIDER PRIOR TO ROUGH-IN. SEE DETAIL 2 ON SHEET E1.1 FOR MORE INFORMATION ON CONTROLS.
5. WALL OR CEILING MOUNT RECEPTACLE CENTERED ABOVE WINDOW IN ACCORDANCE WITH NEC 210.62.
6. CONFIRM DESIRED LOCATION OF TBB WITH TENANT PRIOR TO INSTALLATION.



1 ELECTRICAL FLOOR PLAN – POWER
1/4" = 1'-0"



2 ELECTRICAL FLOOR PLAN – LIGHTING
1/4" = 1'-0"

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THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

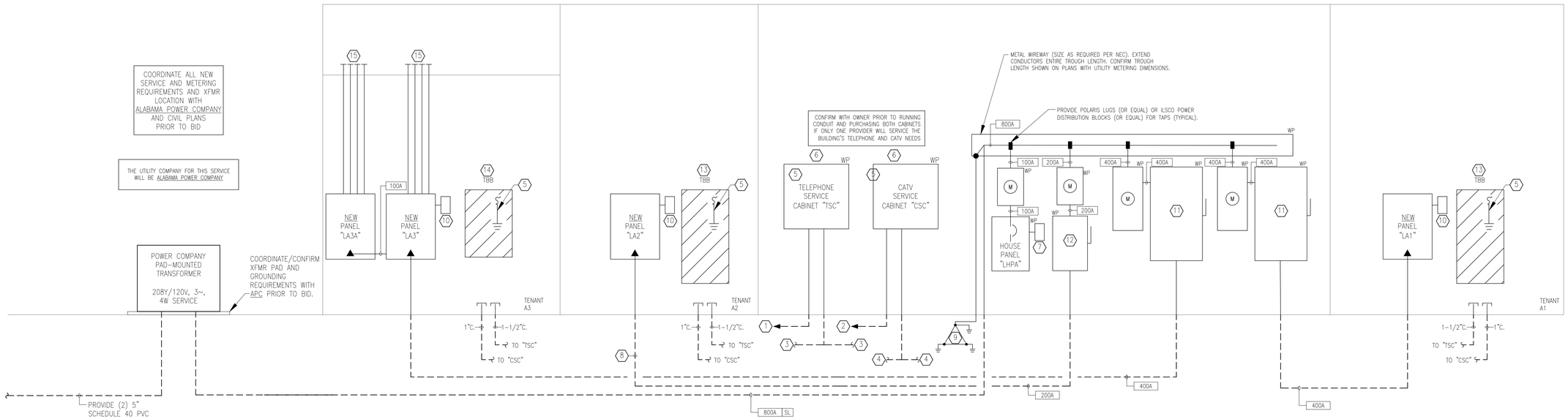
GMC PROJECT#AMGM180037

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER

Electrical Tenant Plan - Power and Lighting

E1.2

sheet of



1 ELECTRICAL RISER DIAGRAM – BLDG. A

NOT TO SCALE

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. TELEPHONE SERVICE – PROVIDE (1) 4" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE). COORDINATE EXACT LOCATION WITH TELEPHONE COMPANY. PROVIDE LONG SWEEP ELBOWS.
2. CATV SERVICE – PROVIDE (1) 2" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE). COORDINATE EXACT LOCATION WITH SELECTED CATV COMPANY. PROVIDE LONG SWEEP ELBOWS.
3. FOR FUTURE TENANT TELEPHONE SERVICE – PROVIDE 1-1/2" CONDUIT WITH PULLSTRING TO EACH TENANT SPACE. SEE E1.1 FOR PROPOSED STUB-UP LOCATIONS.
4. FOR FUTURE TENANT CATV SERVICE – PROVIDE 1" CONDUIT WITH PULLSTRING TO EACH TENANT SPACE. SEE E1.1 FOR PROPOSED STUB-UP LOCATIONS.
5. PROVIDE GROUND BUS BAR AND 1#6 INSULATED GROUND TO BUILDING GROUND.
6. PROVIDE NEMA 3R LOCKABLE BOX FOR SERVICE CABINET. COORDINATE MINIMUM CABINET SIZE WITH RESPECTIVE SERVICE PROVIDER PRIOR TO PURCHASING CABINET. PROVIDE 3/4" GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.
7. 4-CHANNEL HOUSE TIMECLOCK IN NEMA 3R ENCLOSURE (TORK DTS400B OR EQUAL). PROVIDE POWER AS NEEDED FROM LHPA-1 VIA 2#12, 1#12G, 3/4"C.
8. PROVIDE ADDITIONAL SPARE 2-1/2" C. WITH PULLSTRING STUBBED UP AND CAPPED FOR POTENTIAL FUTURE USE.
9. PROVIDE GROUNDING SYSTEM PER NEC 250. SEE DETAIL 2 ON THIS SHEET. PROVIDE ALL APPLICABLE CONNECTIONS SHOWN ON DETAIL.
10. 2-CHANNEL TIMECLOCK (TORK DGLC200A-NC OR EQUAL) WITH COMPATIBLE MANUAL OVERRIDE SWITCH AND POWER PACK (TORK SS410 AND TORK TRP-24B, RESPECTIVELY, OR EQUAL). PROVIDE WITH PHOTO SENSOR. PROVIDE WIRING AS REQUIRED FOR OVERRIDE SWITCH AND PHOTO SENSOR. PROVIDE POWER AS INDICATED ON ASSOCIATED TENANT PANEL SCHEDULE ON SHEET E3.1, VIA 2#12, 1#12G, 3/4"C.
11. 400A/3P/400A FUSED, HEAVY DUTY AC DISCONNECT OR ENCLOSED CIRCUIT BREAKER.
12. 200A/3P/200A FUSED, HEAVY DUTY AC DISCONNECT OR ENCLOSED CIRCUIT BREAKER.
13. PROVIDE 3/4" x 4'W x 8'H GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.
14. PROVIDE 3/4" x 2'W x 2'H GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.
15. PROVIDE (4) SPARE 1" CONDUITS (WITH PULLSTRINGS) FROM TOP OF PANEL TO ABOVE CEILING FOR FUTURE USE.

RISER DIAGRAM FEEDER SCHEDULE

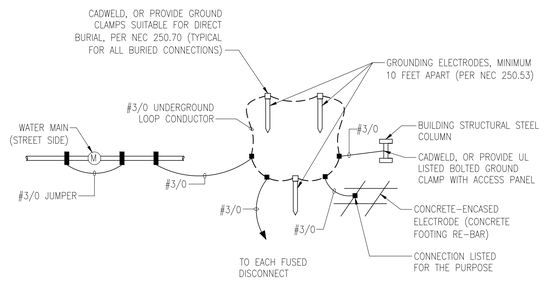
NOTE: ALL CONDUCTORS SIZES IN THIS SCHEDULE ARE SIZED FOR COPPER.

TAG	NUMBER OF SETS	CONFIG.	PANEL/NEUTRAL SIZE PER SET	EQUIP. GROUND PER SET	CONDUIT SIZE PER SET	NOTES
800A SL	2	3-PH, 4W	4 # 600 kcmil	N/A	4"	SERVICE LATERAL
800A	2	3-PH, 4W+G	4 # 600 kcmil	1 # 1/0	4"	
400A	2	3-PH, 4W+G	4 # 3/0	1 # 3	2-1/2"	
200A	1	3-PH, 4W+G	4 # 3/0	1 # 6	2-1/2"	
100A	1	3-PH, 4W+G	4 # 2	1 # 8	1-1/2"	

HI-COMPRESSION ("COMPACT") TYPE ALUMINUM CONDUCTORS MAY BE USED FOR THE FOLLOWING IF THE SAME OR LARGER CAPACITY OF THOSE COPPER CONDUCTORS AND CONDUIT SIZES SHOWN ARE ADJUSTED ACCORDINGLY:

1. SERVICE LATERALS
2. FEEDERS 100A CAPACITY OR GREATER

NOTE: COPPER CONDUCTORS SHALL BE USED FOR ALL BRANCH CIRCUITS (INCLUDING HVAC).



2 MAIN GROUNDING DETAIL

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CHECKED BY: JBH

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

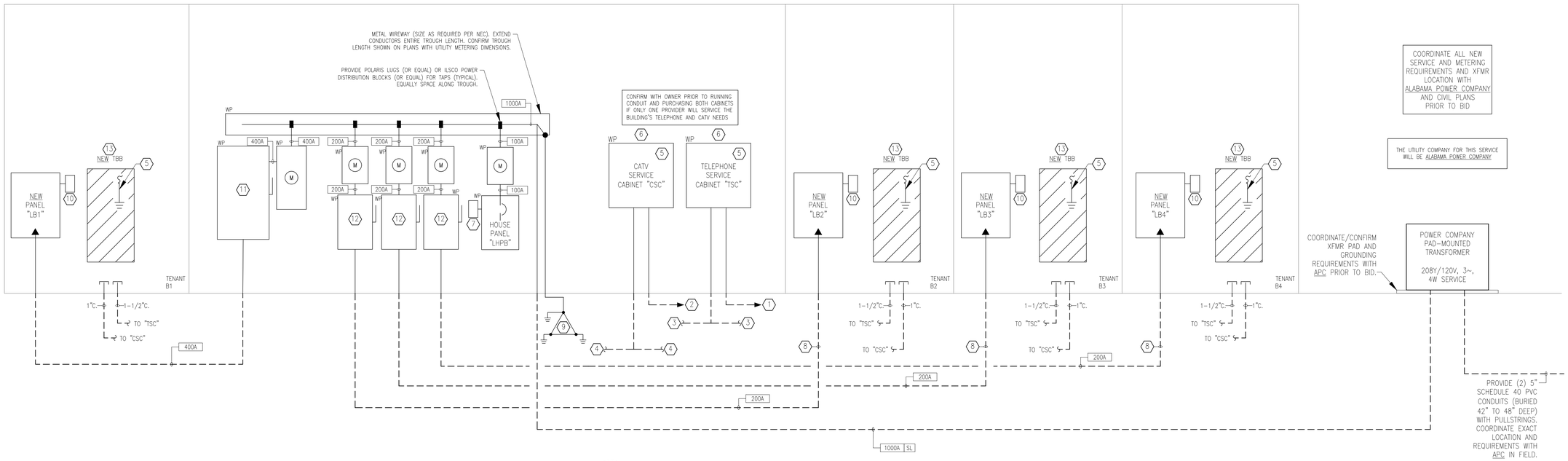
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31867

Electrical Riser Diagram - BLDG. A

E2.1

sheet of



1 ELECTRICAL RISER DIAGRAM – BLDG. B

NOT TO SCALE

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. TELEPHONE SERVICE – PROVIDE (1) 4" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE). COORDINATE EXACT LOCATION WITH TELEPHONE COMPANY. PROVIDE LONG SWEEP ELBOWS.
2. CATV SERVICE – PROVIDE (1) 2" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE). COORDINATE EXACT LOCATION WITH SELECTED CATV COMPANY. PROVIDE LONG SWEEP ELBOWS.
3. FOR NEW AND FUTURE TENANT TELEPHONE SERVICE – PROVIDE 1-1/2" CONDUIT WITH PULLSTRING TO EACH TENANT SPACE. SEE E2.1 AND E2.2 FOR PROPOSED STUB-UP LOCATIONS.
4. FOR NEW AND FUTURE TENANT CATV SERVICE – PROVIDE 1" CONDUIT WITH PULLSTRING TO EACH TENANT SPACE. SEE E2.1 AND E2.2 FOR PROPOSED STUB-UP LOCATIONS.
5. PROVIDE GROUND BUS BAR AND 1#6 INSULATED GROUND TO BUILDING GROUND.
6. PROVIDE NEMA 3R LOCKABLE BOX FOR SERVICE CABINET. COORDINATE MINIMUM CABINET SIZE WITH RESPECTIVE SERVICE PROVIDER PRIOR TO PURCHASING CABINET. PROVIDE 3/4" GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.
7. 4-CHANNEL HOUSE TIMECLOCK IN NEMA 3R ENCLOSURE (TORK DTS400B OR EQUAL). PROVIDE POWER AS NEEDED FROM LHPA-1 OR LHPB-1 VIA 2#12, 1#12G, 3/4"C.
8. PROVIDE ADDITIONAL SPARE 2-1/2" C. WITH PULLSTRING STUBBED UP AND CAPPED FOR POTENTIAL FUTURE USE.
9. PROVIDE GROUNDING SYSTEM PER NEC 250. SEE DETAIL 2 ON THIS SHEET. PROVIDE ALL APPLICABLE CONNECTIONS SHOWN ON DETAIL.
10. 2-CHANNEL TIMECLOCK (TORK DGLC200A-NC OR EQUAL) WITH COMPATIBLE MANUAL OVERRIDE SWITCH AND POWER PACK (TORK SS410 AND TORK TRP-24B, RESPECTIVELY, OR EQUAL). PROVIDE WITH PHOTO SENSOR. PROVIDE WIRING AS REQUIRED FOR OVERRIDE SWITCH AND PHOTO SENSOR. PROVIDE POWER AS INDICATED ON ASSOCIATED TENANT PANEL SCHEDULE ON SHEET E4.1, VIA 2#12, 1#12G, 3/4"C.
11. 400A/3P/400A FUSED, HEAVY DUTY AC DISCONNECT OR ENCLOSED CIRCUIT BREAKER.
12. 200A/3P/200A FUSED, HEAVY DUTY AC DISCONNECT OR ENCLOSED CIRCUIT BREAKER.
13. PROVIDE 3/4" x 4'W x 8'H GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.

RISER DIAGRAM FEEDER SCHEDULE

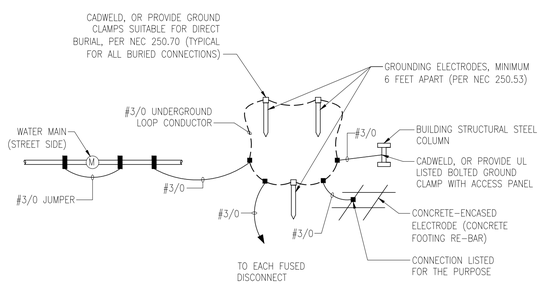
NOTE: ALL CONDUCTORS SIZES IN THIS SCHEDULE ARE SIZED FOR COPPER.

TAG	NUMBER OF SETS	CONFIG.	PANEL/NEUTRAL SIZE PER SET	EQUIP. GROUND PER SET	CONDUIT SIZE PER SET	NOTES
1000A SL	3	3-PH, 4W	4 # 400 kcmil	N/A	4"	SERVICE LATERAL
1000A	3	3-PH, 4W+G	4 # 400 kcmil	1 # 2/0	4"	
400A	2	3-PH, 4W+G	4 # 3/0	1 # 3	2-1/2"	
200A	1	3-PH, 4W+G	4 # 3/0	1 # 6	2-1/2"	
100A	1	3-PH, 4W+G	4 # 2	1 # 8	1-1/2"	

HI-COMPRESSION ("COMPACT") TYPE ALUMINUM CONDUCTORS MAY BE USED FOR THE FOLLOWING IF THE SAME OR LARGER CAPACITY OF THOSE COPPER CONDUCTORS AND CONDUIT SIZES SHOWN ARE ADJUSTED ACCORDINGLY:

1. SERVICE LATERALS
2. FEEDERS 100A CAPACITY OR GREATER

NOTE: COPPER CONDUCTORS SHALL BE USED FOR ALL BRANCH CIRCUITS (INCLUDING HVAC).



2 MAIN GROUNDING DETAIL

NOT TO SCALE

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DRAWN BY: CG
CHECKED BY: JBH

THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31687 J. Brandon Hall

Electrical Riser Diagram - B

E2.2

sheet of

HOUSE
PANEL
LHPB

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE — **NEMA 3R**

AMP RATING: 100A — MAIN: MCB — **# - PROVIDE BKR LOCK-ON DEVICE**

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TSC**	0.36	A		**SPARE**	**20/1**	2
3	**# 20/1**	**FACP**	0.25	B		**SPARE**	**20/1**	4
5	**20/1**	**EWH-1**	0.50	C		**SPARE**	**20/1**	6
7	**20/1**	**EXTERIOR LIGHTING**	1.20	A		**SPARE**	**20/1**	8
9	**20/1**	**SPARE**		B		**SPARE**	**20/1**	10
11	**20/1**	**DH-1/EF-1**	0.15	C		**SPARE**	**20/1**	12
13	**20/1**	**TIMECLOCK**	0.10	A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19		**SPACE**		A		**SPACE**		20
21		**SPACE**		B		**SPACE**		22
23		**SPACE**		C		**SPACE**		24

LOAD SUMMARY
PHASE A 1.66 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 0.25 KVA
PHASE C 0.65 KVA
TOTAL CONNECTED 2.56 KVA — 7.1 AMPS

PANEL
LB1

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 400A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	5.46	**RTU-4**	**70/3**	6
7	**20/1**	**PORCH FAN/LIGHTS**	0.36	A	5.46			8
9	**20/1**	**TIMECLOCK**	0.10	B	5.46			10
11	**20/1**	**LTG**	0.50	C	5.46	**RTU-5**	**70/3**	12
13	**20/1**	**SPARE**		A	5.46			14
15	**20/1**	**SPARE**		B	5.46			16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 12.36 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 11.92 KVA
PHASE C 11.67 KVA
TOTAL CONNECTED 35.95 KVA — 99.8 AMPS

PANEL
LB2

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 200A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	3.26	**RTU-3**	**45/3**	6
7	**20/1**	**TIMECLOCK**	0.10	A	3.26			8
9	**20/1**	**LTG**	0.50	B	3.26			10
11	**20/1**	**SPARE**		C		**SPARE**	**20/1**	12
13	**20/1**	**SPARE**		A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 4.44 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 4.66 KVA
PHASE C 3.51 KVA
TOTAL CONNECTED 12.61 KVA — 35.0 AMPS

PANEL
LB3

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 200A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	3.26	**RTU-2**	**45/3**	6
7	**20/1**	**TIMECLOCK**	0.10	A	3.26			8
9	**20/1**	**LTG**	0.50	B	3.26			10
11	**20/1**	**SPARE**		C		**SPARE**	**20/1**	12
13	**20/1**	**SPARE**		A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 4.44 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 4.66 KVA
PHASE C 3.51 KVA
TOTAL CONNECTED 12.61 KVA — 35.0 AMPS

PANEL
LB4

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 200A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	3.26	**RTU-1**	**45/3**	6
7	**20/1**	**TIMECLOCK**	0.10	A	3.26			8
9	**20/1**	**LTG**	0.50	B	3.26			10
11	**20/1**	**SPARE**		C		**SPARE**	**20/1**	12
13	**20/1**	**SPARE**		A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 4.44 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 4.66 KVA
PHASE C 3.51 KVA
TOTAL CONNECTED 12.61 KVA — 35.0 AMPS

PANEL
LA3S

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: FLUSH

AMP RATING: 100A — MAIN: MLO

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**SPARE**		A		**SPARE**	**20/1**	2
3	**20/1**	**SPARE**		B		**SPARE**	**20/1**	4
5	**20/1**	**SPARE**		C		**SPARE**	**20/1**	6
7	**20/1**	**SPARE**		A		**SPARE**	**20/1**	8
9	**20/1**	**SPARE**		B		**SPARE**	**20/1**	10
11	**20/1**	**SPARE**		C		**SPARE**	**20/1**	12
13	**20/1**	**SPARE**		A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24

LOAD SUMMARY
PHASE A 0.00 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 0.00 KVA
PHASE C 0.00 KVA
TOTAL CONNECTED 0 KVA — 0.0 AMPS

HOUSE
PANEL
LA1

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE — **NEMA 3R**

AMP RATING: 100A — MAIN: MCB — **# - PROVIDE BKR LOCK-ON DEVICE**

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TSC**	0.36	A		**SPARE**	**20/1**	2
3	**# 20/1**	**FACP**	0.25	B		**SPARE**	**20/1**	4
5	**20/1**	**EWH-2**	0.50	C		**SPARE**	**20/1**	6
7	**20/1**	**EXTERIOR LIGHTING**	0.79	A		**SPARE**	**20/1**	8
9	**20/1**	**EXT. REC**	0.72	B		**SPARE**	**20/1**	10
11	**20/1**	**DH-2/EF-2**	0.15	C		**SPARE**	**20/1**	12
13	**20/1**	**TIMECLOCK**	0.10	A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19		**SPACE**		A		**SPACE**		20
21		**SPACE**		B		**SPACE**		22
23		**SPACE**		C		**SPACE**		24

LOAD SUMMARY
PHASE A 1.25 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 0.97 KVA
PHASE C 0.65 KVA
TOTAL CONNECTED 2.865 KVA — 8.0 AMPS

PANEL
LA1

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 400A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	5.46	**RTU-6**	**70/3**	6
7	**20/1**	**PORCH FAN/LIGHTS**	0.36	A	5.46			8
9	**20/1**	**TIMECLOCK**	0.10	B	5.46			10
11	**20/1**	**LTG**	0.50	C	5.46	**RTU-7**	**70/3**	12
13	**20/1**	**SPARE**		A	5.46			14
15	**20/1**	**SPARE**		B	5.46			16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 12.36 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 11.92 KVA
PHASE C 11.67 KVA
TOTAL CONNECTED 35.95 KVA — 99.8 AMPS

PANEL
LA2

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: SURFACE

AMP RATING: 200A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR FUTURE 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	3.26	**RTU-8**	**45/3**	6
7	**20/1**	**TIMECLOCK**	0.10	A	3.26			8
9	**20/1**	**LTG**	0.50	B	3.26			10
11	**20/1**	**SPARE**		C		**SPARE**	**20/1**	12
13	**20/1**	**SPARE**		A		**SPARE**	**20/1**	14
15	**20/1**	**SPARE**		B		**SPARE**	**20/1**	16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37		**SPACE**		A		**SPACE**		38
39		**SPACE**		B		**SPACE**		40
41		**SPACE**		C		**SPACE**		42

LOAD SUMMARY
PHASE A 4.44 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 4.66 KVA
PHASE C 3.51 KVA
TOTAL CONNECTED 12.61 KVA — 35.0 AMPS

PANEL
LA3

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE — AIC RATING: 22,000A — MOUNTING: FLUSH

AMP RATING: 400A — MAIN: MLO

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1	**20/1**	**TBB**	0.36	A	0.72	**REC**	**20/1**	2
3	**20/1**	**ROOF REC.**	0.18	B	0.72	**REC**	**20/1**	4
5	**20/1**	**SIGN LIGHTING**	0.25	C	3.26	**RTU-9**	**45/3**	6
7	**20/1**	**TIMECLOCK**	0.10	A	3.26			8
9	**20/1**	**INTERIOR LIGHTING**	1.50	B	3.26			10
11			0.00	C	3.26		**45/3**	12
13	**100/3**	**PANEL "LA3S"**	0.00	A	3.26	**RTU-10**		14
15			0.00	B	3.26			16
17	**20/1**	**SPARE**		C		**SPARE**	**20/1**	18
19	**20/1**	**SPARE**		A		**SPARE**	**20/1**	20
21	**20/1**	**SPARE**		B		**SPARE**	**20/1**	22
23	**20/1**	**SPARE**		C		**SPARE**	**20/1**	24
25	**20/1**	**SPARE**		A		**SPARE**	**20/1**	26
27	**20/1**	**SPARE**		B		**SPARE**	**20/1**	28
29	**20/1**	**SPARE**		C		**SPARE**	**20/1**	30
31	**20/1**	**SPARE**		A		**SPARE**	**20/1**	32
33	**20/1**	**SPARE**		B		**SPARE**	**20/1**	34
35	**20/1**	**SPARE**		C		**SPARE**	**20/1**	36
37	**20/1**	**SPARE**		A		**SPARE**	**20/1**	38
39	**20/1**	**SPARE**		B		**SPARE**	**20/1**	40
41	**20/1**	**SPARE**		C		**SPARE**	**20/1**	42

LOAD SUMMARY
PHASE A 7.70 KVA — 208 VOLTS PHASE-TO-PHASE
PHASE B 8.92 KVA
PHASE C 6.77 KVA
TOTAL CONNECTED 23.393 KVA — 64.9 AMPS

GMC

ASBUILT

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ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY: JBH
DRAWN BY: CG
CHECKED BY: JBH

THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL

GMC PROJECT#AMGM1800.37

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER JEFFERY B. HOLMES

Electrical Panel Schedules

E3.1

sheet of

FIRE PROTECTION SPECIFICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. The General Provisions, Supplemental General Provisions, apply to all work specified in these specifications.

B. The Fire Protection Specifications shown on this drawing describes the basic materials and installation methods for the fire protection system.

C. Furnish and install all components of the fire protection system specified herein, as indicated on the drawings, and as required to provide complete and operating systems.

1.2 DESCRIPTION OF WORK

A. Work Included: Provide a complete fire sprinkler system, including pipe, tube fittings, and appurtenances as indicated, in compliance with these Specifications and as required by local code agencies.

B. Related Work by Others: The fom llowing work shall be provided by the Contractor:
1. The Sprinkler Contractor shall pipe the discharge of the sprinkler piping main drain(s) to the exterior of the building or other location approved by the Architect.
2. The Electrical/Fire Alarm Contractor will provide a complete fire alarm system and will make connections to flow switches and gate supervisory switches from the fire panel.

C. Applications: Application of the fire protection system shall include, but are not limited to, the systems as listed below:
1. Supply mains, valves, risers, and drains.
2. Standard pattern Siamese connections per local Fire Department Regulations.
3. Flow switches.
4. Hydraulically designed sprinkler system.

D. Quality Assurance:
1. Materials shall be installed in accordance with NFPA. Valves, fittings, sprinkler heads, and equipment shall be UL and FM_labeled.
2. Hose threads shall conform to local fire department requirements.
3. Coordination Drawings:
   a. Before starting fabrication or installation of equipment, the Contractor shall submit to Architect, for his consideration, Shop Drawings noted as reviewed by the ISO for insurance rate making purposes only via electronic format (e.g. PDF).
   b. After Contract award and prior to releasing any equipment orders for fabrication, Shop Drawings showing dimensions, weights, performance data, structural details, valves, and controls, along with hydraulic calculations, shall be submitted to the Architect for review and approval via electronic format (e.g. PDF).
4. Acceptable Manufacturers: The model numbers listed in the Specifications establish a level of quality and material. The following manufacturers are acceptable subject to compliance with the requirements of these Specifications:
   a. Sprinkler Equipment
      1) Viking Corporation
      2) Grinnell Fire Protection Systems Co., Inc.
      3) Automatic Sprinkler Corporation
      4) Central Sprinkler Corporation
      5) Reliable Automatic Sprinkler Company

E. Pipe Hangers and Supports: Support fire protection pipe with UL_listed and approved hangers and support devices. Provide any special hangers or supports that may be required. The design, selection, spacing, and application of horizontal pipe hangers, supports, restraints, anchors, and guides shall be in accordance with the NFPA 13..

F. Sprinkler System:
1. Sprinklers will be provided for units and spaces as shown on drawings.
2. System piping shall be hydraulically designed throughout areas in accordance with the rules and regulations of NFPA 13, using design densities as scheduled on plans.
3. System shall include required drain lines, drum drip (for maintenance), test connections, spare heads, tools, fire department inlet connections, water motor alarms, circuit closers, monitor switches, alarm valves, isolation valves and similar items.
4. Sprinkler heads, valves, alarms, and similar items shall be as manufactured by Viking, or Grinnell. Material and equipment used in the installation of the sprinkler systems and standpipes shall be listed and approved by the Underwriters' Laboratories, Inc., and shall be the latest design of the manufacturer.

G. Valves: Valves shall be UL_listed and approved for the pressures at which they are installed.
1. Check valves shall be swing type with iron body, bronze trim, cast iron disc, bolted cover, and screwed or flanged ends. Swing check valves may be installed in horizontal pipe only.
2. Gate valves 2" and smaller shall be bronze body, OS&Y, and screwed ends. 150 psig valves shall have bronze trim, single disc, screwed bonnet, and bronze seats. 300 and 400 psig valves shall have bronze wedge disc, union bonnet, and bronze body seat rings.
3. Gate valves over 2" shall be iron body, OS&Y, bolted bonnet, bronze seats, ANSI 16.1, flanged ends. 150 psig valves shall have double or single disc, and bronze trim. 300 and 400 psig valves shall have wedge disc and brass stem.
4. Supervised valves shall include valve tamper switches. Valve tamper switches shall be double-pole single-throw type with cast aluminum housing and tamperproof cover. Switch rating shall be at least 7 amperes at 125/250 volts.

PART 2 - PRODUCTS

2.1 PIPING

A. Pipe: Standpipe and sprinkler piping larger than 2" shall be ASTM A135, Schedule 40 black steel. Thin-wall pipe, ASTM A135, may be used for sprinkler piping where permitted by local codes. Sprinkler piping 2" and smaller shall be schedule 40 black steel. Installation shall be in accordance with the manufacturer's instructions and the UL listing which includes installation limitations. All code approvals shall be secured before shop drawing submittal to Architect.

B. Fittings: Fittings shall be: Cast iron threaded sprinkler fittings ANSI B16.4 or grooved ends fittings joined by Victaulic Firelock System. Flanges shall be screwed or welded neck type ANSI B16.5. Fittings smaller than 2" shall be Blazemaster schd 40 CPVC and shall meet ASTM D1784.

2.2 EQUIPMENT

A. Fire Department Connection (Siamese): Wall Siamese fire department connection with chains and caps shall be polished brass or polished chrome. Verify actual material and finish with the Architect.

B. Water Flow Switch: Include water flow switch, with adjustable retard feature in supply pipe to each riser for remote alarm. Switch shall be double-pole single-throw type and shall be rated at least 7 amperes at 125/250 volts.

C. Sight Flow Connection: Sight flow connection in test lines.

D. Sprinkler Heads: Sprinkler heads shall be quick response type, 155°F - 170°F, UL listed. Concealed sprinklers are not permitted. Furnish spare heads equal to 1% of total number of heads installed. The heads shall be representative of, and in proportion to, the number of each type and temperature rating of heads installed. Furnish spare head cabinet and wrench for each riser. Locate cabinets in riser rooms.

E. Water Motor Gong: Viking model F-2 or equal. An electric alarm may be used, but must be coordinated with EC.

PART 3 - EXECUTION

3.1 INSTALLATION OF PIPING SYSTEMS

A. General: Comply with the requirements of the piping section of this Specification, NFPA 13 for installation and testing of piping system, and per local code.
1. Piping shall be concealed, except in mechanical equipment rooms, stairwells, or where otherwise required.
2. Grade piping to eliminate traps and pockets. Where air pockets or water traps cannot be avoided, provide hose bibs for drainage.
3. The Sprinkler Contractor shall arrange with the General Contractor to notch or pre-drill the occasional beam in order to maintain the sprinkler mains as high as possible.
4. All required sprinkler heads shall be individually dropped from the main to the ceiling.
5. Sprinkler piping shall be installed and coordinated with the duct and other mechanical and electrical services in the ceiling cavities by this Contractor, to provide the clearances for lighting fixtures as required.
6. Sprinkler piping shall be installed so as not to impede access to mechanical, electrical, or plumbing equipment.
7. Sprinkler piping shall be flushed to remove excess oils and contaminants that support the growth of microorganisms.
8. Sprinkler systems shall not be drained/flushed on finished surfaces such as sidewalks and parking lots.
9. Install a ½" Weld-o-let with plug in the main sprinkler line, on the down stream side (building side) of the flow switch for introduction of micro biocides by the Owner at a later date.

B. Inspections and Tests: All inspections, examinations, and tests required by the authorities and/or agencies specified hereinbefore shall be arranged and paid for by this Contractor, as necessary, to obtain complete and final acceptance of the system as installed. The certificates of inspection shall be in quadruplicate, and shall be delivered to the Architect for distribution.

C. Underground Fire Protection Piping: Material for pipe cushion shall comply with local codes and or the geo-technical report. In absence of local code requirements or geo-technical report, the cushion shall be bank sand or select backfill material approved by the Architect. Any material used shall pass a one-inch screen.

FIRE PROTECTION SPRINKLER SYSTEMS SCHEDULE

AREA DESIGNATION	DESCRIPTION	BASIS OF DESIGN	CEILING SPRINKLER SYSTEM						NOTES
			SYSTEM NUMBER	SYSTEM TYPE	DENSITY (GPM/SQ FT)	REMOTE AREA (SQ FEET)	HEAD TYPE	HEAD SPACING (MAX SQ FEET)	
A	RETAIL SPACE	ORDINARY HAZARD GROUP 2	1	WET	0.20	1500	165° CHROME PENDENT SEMI-RECESSED	130	1, 2, 3, 4

NOTES:
1. PROVIDE 500 GPM FOR INSIDE AND OUTSIDE HOSE STREAMS.
2. CONTRACTOR SHALL VERIFY OCCUPANCY.
3. PROVIDE LIGHT HAZARD IN DINING AREAS, IF APPLICABLE.
4. PROVIDE DRY-TYPE SYSTEM FOR ANY AAREAS REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO BID.

FIRE PROTECTION NOTES:

1. A COMPLETE SPRINKLER SYSTEM SHALL BE INSTALLED PER NFPA STANDARDS, STATE AND LOCAL CODES.
2. THE CONTRACTOR FOR THE FIRE PROTECTION INSTALLATION SHALL BE A QUALIFIED FIRE PROTECTION CONTRACTOR, REGULARLY ENGAGED IN THE INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEMS AND OTHER FIRE PROTECTION EQUIPMENT.
3. EACH AREA SHALL HAVE A ZONE VALVE W/TAMPER SWITCH, PRESSURE GAGE, AND FLOW SWITCH. COORDINATE AREAS WITH ARCHITECT.
4. ALL TAMPER AND FLOW SWITCHES TO BE TIED INTO BUILDING FIRE ALARM SYSTEM.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS, AND CONFIGURATION FOR EXTINGUISHERS.
6. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR THEIR REVIEW AND COMMENTS PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY FIRE SPRINKLER EQUIPMENT. THE SHOP DRAWINGS SHALL BE DRAWN AT 1/8" SCALE AS A MINIMUM AND SHALL INCLUDE ALL ITEMS LISTED IN NFPA 13. THE SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTOR'S REGISTERED LICENSE HOLDER. SHOP DRAWINGS TO BE SUBMITTED TO THE LOCAL FIRE DEPARTMENT'S NEW CONSTRUCTION DIVISION FOR REVIEW , APPROVAL, AND PERMITTING.
7. PROVIDE A 10% HYDRAULIC SAFETY FACTOR UP TO A MAXIMUM OF 10 PSI.
8. INSTALL SPRINKLERS WITH THE MANUFACTURER'S MINIMUM ALLOWABLE PROJECTION FROM THE WALL OR CEILING. COORDINATE LOCATIONS OF SPRINKLERS AT PUBLIC AREAS TO AVOID LOCATION CONFLICTS (SUCH AS CROWN MOLDINGS, HVAC GRILLES, CEILING FANS). IN CORRIDOR CEILINGS, GENERALLY, POSITION SPRINKLERS ALONG CENTERLINE OF CORRIDOR WIDTH. IN CEILINGS WITH ACOUSTICAL TILES, POSITION SPRINKLERS IN CENTER OF TILES.
9. PROVIDE DRY TYPE SYSTEM IN ANY LOCATION REQUIRED. COORDINATE WITH ARCHITECT & EC.

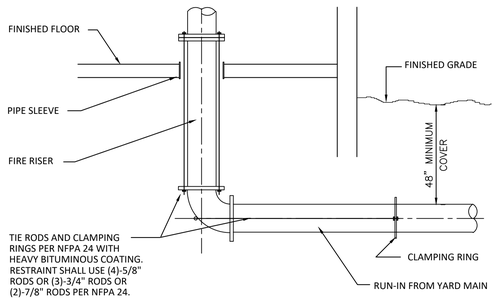
MASTER FIRE PROTECTION LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
		FIRE / SPRINKLER MAIN
		UNDERGROUND FIRE MAIN
	CV	CHECK VALVE
	BFLY	BUTTERFLY VALVE
	GV	GATE VALVE
		STRAINER
		UNION
	PG	PRESSURE GAUGE
		2-WAY WALL SIAMESE
	WMG	WATER MOTOR GONG
E		FIRE EXTINGUISHER
		WET ALARM VALVE RISER
X		SPRINKLER ZONE = 'X'
	PIV	POST INDICATOR VALVE

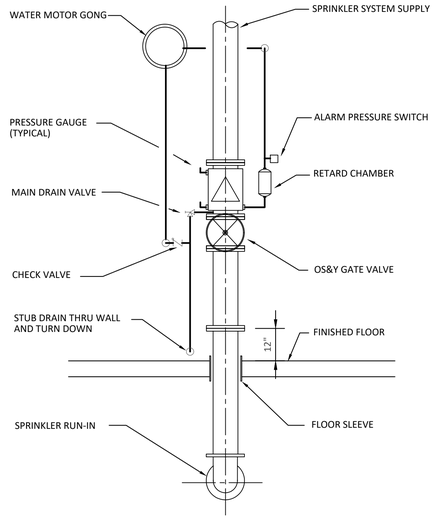
WATER SUPPLY SCHEDULE

FLOW TEST DATA	TEST #1	TEST #2
DATE OF FLOW TEST:	NA	NA
LOCATION OF FLOW TEST:		
ELEVATION AT TEST HYDRANT:		
STATIC TEST PRESSURE:	NA	NA
RESIDUAL TEST PRESSURE:	NA	NA
TEST FLOW MEASURED:	NA	NA
CALCULATED FLOW AT 20 PSIG	NA	NA
TEST PERFORMED/SUPPLIED BY:	NA	NA

NOTES:
NO FLOW TEST HAS BEEN MADE AVAILABLE TO ENGINEERS. CONTRACTOR SHALL PERFORM FIRE FLOW TEST PRIOR TO PROVIDING CALCULATIONS.



2 TYPICAL FLOOR SLAB PENETRATION DETAIL
NTS



1 FIRE RISER ALARM VALVE DETAIL
NTS

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GMC

AS BUILT

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ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:
DRAWN BY:
CHECKED BY:

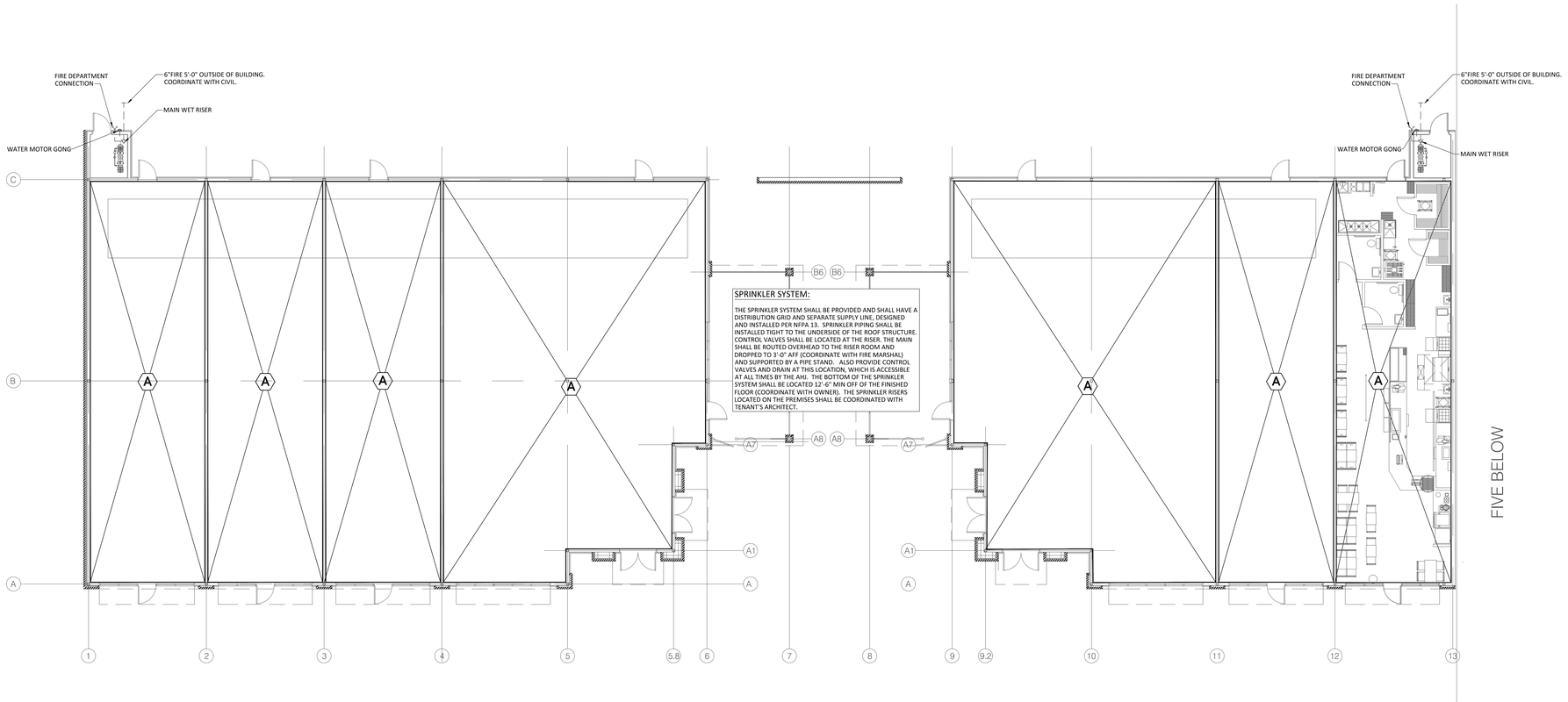
THE EXCHANGE AT HOMEPLACE
PRATTVILLE, AL
GMC PROJECT#AMGM180037

ALABAMA REGISTERED PROFESSIONAL ENGINEER JONATHAN CHASE

Details & Notes - Fire Protection

FP2.1

sheet of



1 FLOOR PLAN - FIRE PROTECTION

3/32" = 1'-0"

NORTH

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GMC

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ISSUE	DATE
95% REVIEW	05.30.19
PERMIT SET	10.11.19

DESIGNED BY:
DRAWN BY:
CHECKED BY:

THE EXCHANGE AT HOMEPLACE

PRATTVILLE, AL

GMC PROJECT#AMGM180037

ALABAMA LICENSED PROFESSIONAL ENGINEER JONATHAN CHASE

Floor Plan - Fire Protection

FP2.2

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