

NEW CONSTRUCTION OF ASCENSION PARISH FIRE DISTRICT 3 STATION #34

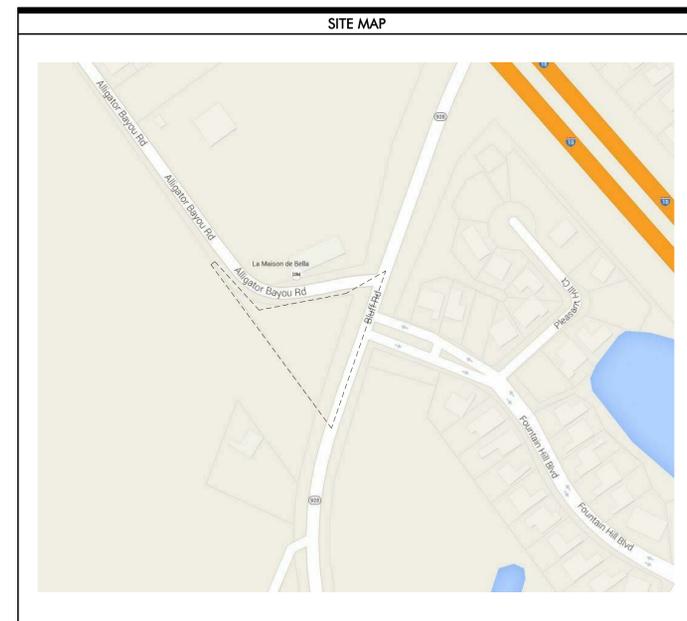
BLUFF ROAD PRAIRIEVILLE, LA

OCTOBER 9, 2015

CONSTRUCTION DOCUMENT SET



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MECHANICAL ENGINEER

CRUMB ENGINEERING
4609 FAIRFIELD STREET
METAIRIE, LA 70006
504.455.4450

CIVIL ENGINEER

MR ENGINEERING & SURVEYING
9345 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.490.9592

STRUCTURAL ENGINEER

FORTE AND TABLADA
9107 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.927.9321

ARCHITECT

DOMAIN ARCHITECTURE
8316 KELWOOD AVE.
BATON ROUGE, LA 70806
225.216.3770



PLANS FOR PROPOSED PRIVATE PARKING LOT & STORM
DRAINAGE IMPROVEMENTS
FOR

ASCENSION FIRE STATION #34

LOCATED AT
LA HWY 928 & ALLIGATOR BAYOU RD.
PRAIRIEVILLE, LOUISIANA

OCTOBER 2015

TRACT A OF THE ARTHUR BABIN PROPERTY,
LOCATED IN SECTION 14, T8S-R2E, SOUTHEAST
LAND, ASCENSION PARISH, STATE OF LOUISIANA.



VICINITY MAP
SCALE: 1" = 400'

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
C-1	TITLE SHEET & VICINITY MAP
C-2	EXISTING CONDITIONS MAP
C-3	SITE PLAN
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C-5	UTILITY/JOINT LAYOUT
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APPLICABLE D.O.T.D. STANDARD PLANS*	
BM-01	BEDDING AND BACKFILL DETAILS
EC-01	TEMPORARY EROSION CONTROL DETAILS

NOTES

- 1) ALL WORK IN THIS CONTRACT SHALL CONFORM TO THE 1997 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EAST BATON ROUGE CITY/PARISH DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION, LATEST EDITION.
- 2) THE CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE CONSTRUCTION SIGNAGE AND BARRICADES WHERE REQUIRED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 3) AN LA DOTD PERMIT IS REQUIRED FOR ACTIVITY WITHIN A STATE RIGHT-OF-WAY.

PLANS PREPARED AND RECOMMENDED FOR APPROVAL BY:

ENGINEER'S CERTIFICATION
I HEREBY CERTIFY THAT THE DESIGN OF THE GRADING, STREETS, DRAINAGE AND SANITARY SEWER FACILITIES, TO THE BEST OF MY KNOWLEDGE, CONFORMS TO THE CURRENT UNIFIED DEVELOPMENT CODE AND CONFORMS TO THE CURRENT DESIGN STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, UNLESS NOTED OTHERWISE.

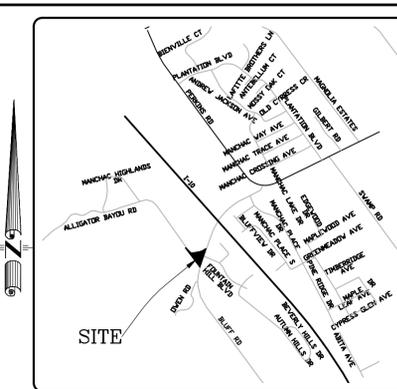
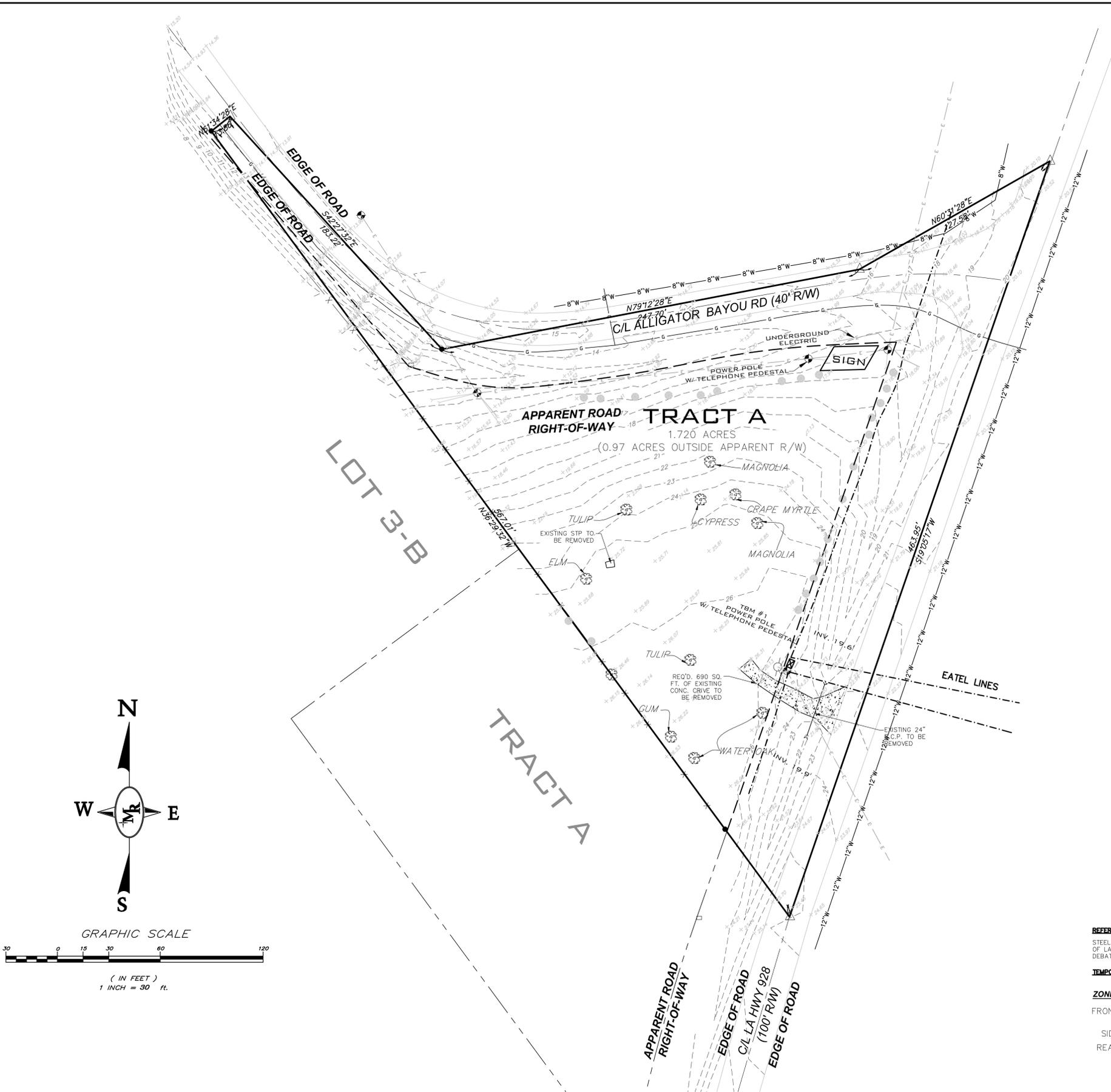


ASCENSION FIRE STATION 34
LA HWY 928 & ALLIGATOR BAYOU RD.
PRAIRIEVILLE, LOUISIANA
ASCENSION PARISH
TITLESHEET

DESIGNED	J.D.B.	10/2015
CHECKED	M.L.R.	1 OF 7
DETAILED	J.D.B.	
CHECKED	M.L.R.	
DATE		
SHEET		

REVISION NUMBER	REVISION DESCRIPTION	BY

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- LEGEND:**
- 1/2" IRON PIPE FOUND
 - 1/2" IRON PIPE SET
 - FENCELINE
 - UTILITY POLE
 - ⊕ POWER POLE
 - △ CALCULATED POINT
 - HIGHWAY MONUMENT
 - ▨ GRAVEL
 - ⊠ UNDERGROUND FIBER OPTIC CABLE BOX
 - GUY WIRE
 - TREE
 - ⊙ PINE TREE
 - E OVERHEAD ELECTRIC
 - G GAS LINE
 - EATEL LINE
 - 8"W 8" WATER LINE
 - 12"W 12" WATER LINE

REFERENCE BENCHMARK: APG-2009-1022 ELEVATION = 10.1'
 STEEL ROD MONUMENT LOCATED 150 WEST ALONG LA HWY 74 FORM THE INTERSECTION OF LA HWY 74 AND LA HWY 928. THE MONUMENT IS LOCATED IN FRONT OF 35373 DEBATE ROAD GEISMAR, LA 70734.

TEMPORARY BENCHMARK: 60D NAL SET IN POWER POLE AT ELEVATION = 28.00'

ZONING INFORMATION:
 FRONT SETBACK: 55' FROM C/L OF ROAD
 75' FROM C/L OF STATE HWY
 SIDE SETBACK: 10' SETBACK
 REAR SETBACK: 20' SETBACK

NOTE: TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON A SURVEY PROVIDED BY CLIENT. MR ENGINEERING & SURVEYING, LLC ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS.



MR ENGINEERING & SURVEYING, LLC
 9345 Interline Avenue, Baton Rouge, LA 70809 225.490.9592

ASCENSION FIRE STATION 34
 LA HWY 928 & ALLIGATOR BAYOU RD.
 PRAIRIEVILLE, LOUISIANA
 ASCENSION PARISH

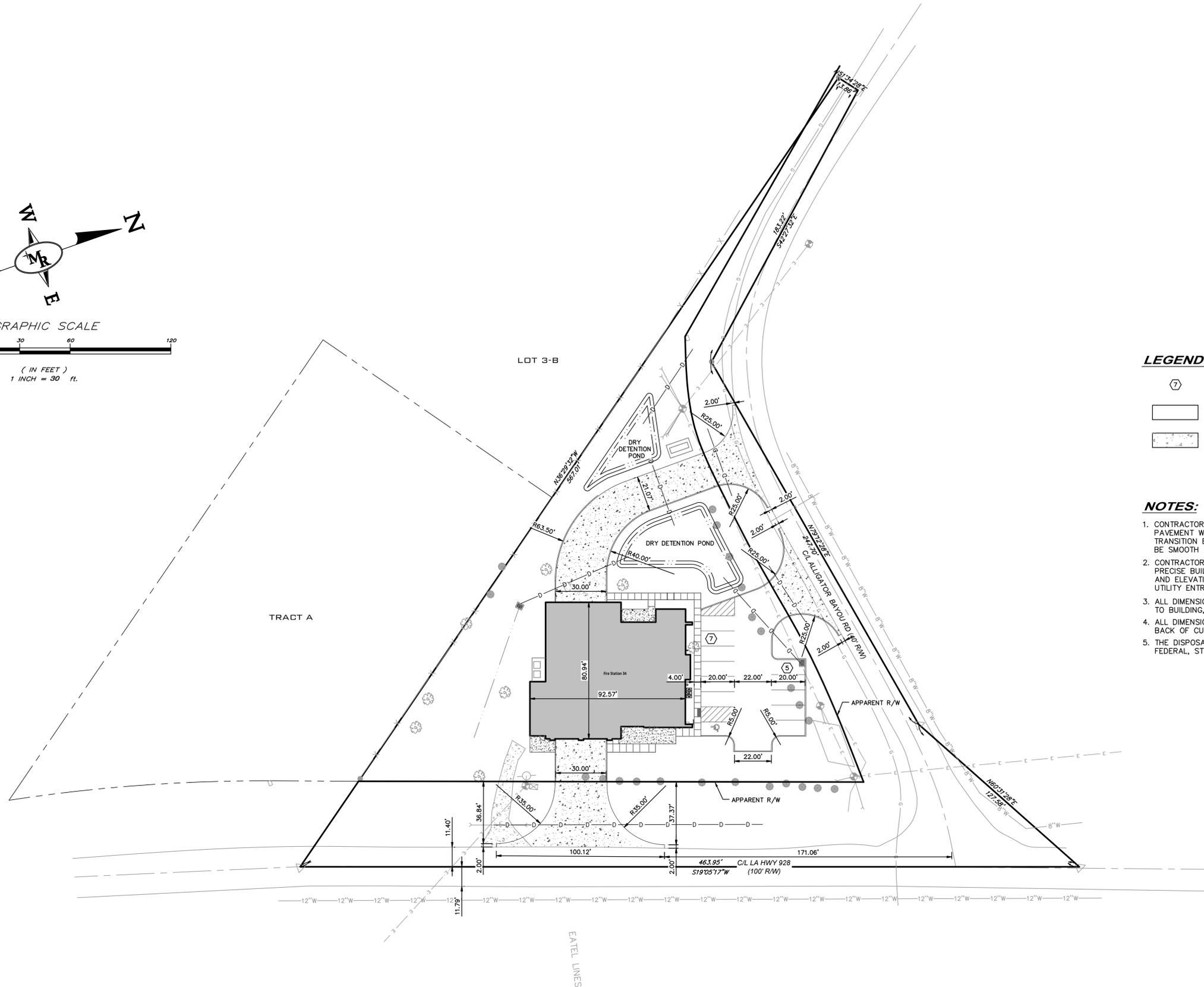
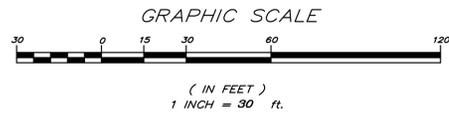
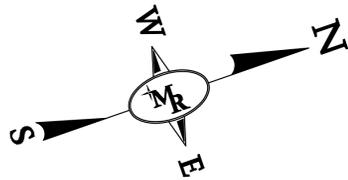
EXISTING CONDITIONS LAYOUT

DESIGNED	CHECKED	J.D.B.	M.L.R.
DATE	SHEET	DATE	SHEET
		10/2015	2 OF 7

REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION	BY

SHEET NUMBER **C-2**

P:\PROJECTS\ASCENSION FIRE STATION 34\DWG\CONDOCS\02_EXISTINGCONDITIONS.DWG DWT-12-2015 WICKY



LEGEND:

- PARKING SPACE COUNT
- 6" CONCRETE PAVING (SEE C-6 FOR DETAILS)
- 8" HEAVY-DUTY CONCRETE PAVING (SEE C-6 FOR DETAILS)

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO MEET AND MATCH NEW PAVEMENT WITH EXISTING ADJACENT PAVEMENT AREAS. THE TRANSITION BETWEEN THIS SITE AND ADJACENT SITES MUST BE SMOOTH AND MONOLITHIC.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS, SERVICE AREA DIMENSIONS, AND ELEVATIONS. REFERENCE M.E.P. FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DIMENSIONS ARE MEASURED FROM EDGE OF PAVEMENT TO BUILDING, UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB TO BACK OF CURB, UNLESS OTHERWISE NOTED.
5. THE DISPOSAL OF DEMOLISHED ITEMS SHALL COMPLY TO ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

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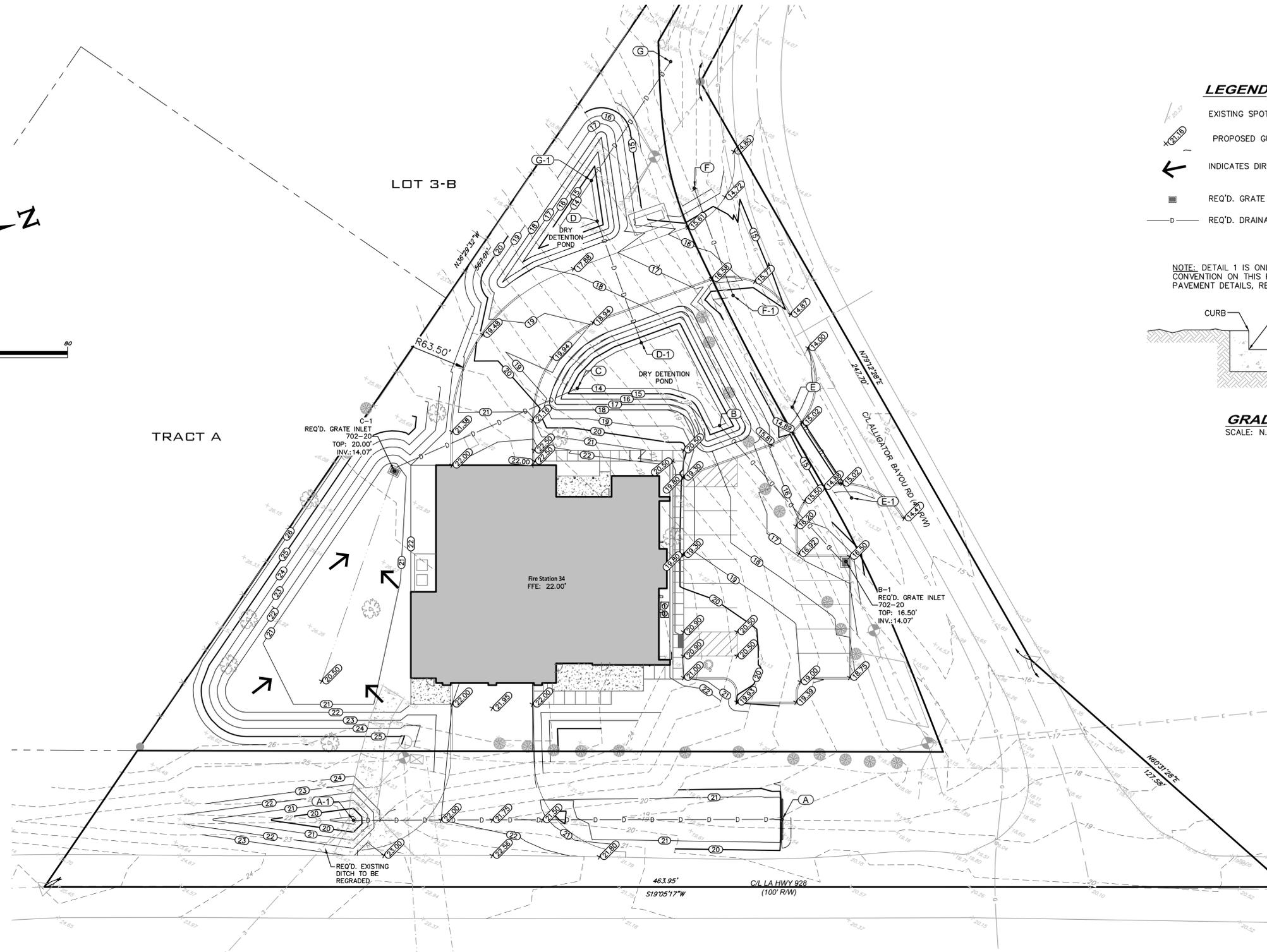
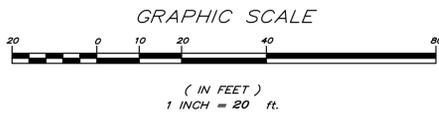
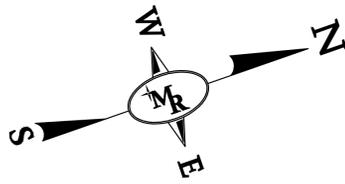
P:\PROJECTS\ASCENSION FIRE STATION 34\DWG\CONDOCS\03 SITEPLAN.DWG OCT-14-2015 MICKY



ASCENSION FIRE STATION 34
 LA HWY 928 & ALLIGATOR BAYOU RD.
 PRAIRIEVILLE, LOUISIANA
 ASCENSION PARISH
 SITE PLAN

DESIGNED	J.D.B.	DATE	10/2015
CHECKED	M.L.R.	SHEET	3 OF 7
DETAILED	J.D.B.		
CHECKED	M.L.R.		

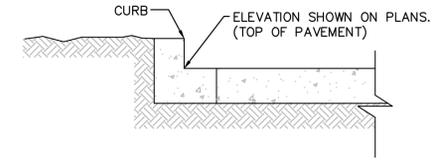
REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION	BY



LEGEND

- EXISTING SPOT ELEVATION
- PROPOSED GUTTER/TOP OF PAVEMENT ELEVATION
- INDICATES DIRECTION OF DRAINAGE FLOW
- REQ'D. GRATE INLET
- REQ'D. DRAINAGE LINE

NOTE: DETAIL 1 IS ONLY TO CLARIFY GRADING CONVENTION ON THIS PLAN. FOR CURB AND PAVEMENT DETAILS, RE: LADOTD STANDARD PLANS.



GRADING DETAIL
SCALE: N.T.S.

DRAINAGE TABLE							
UPPER STRUCT.	LOWER STRUCT.	SIZE	TYPE	LENGTH	SLOPE	UPPER INVERT	LOWER INVERT
G-1	G	8"	P.V.C.	53'	7.34%	14.00'	10.10
F-1	F	24"	R.C.P.	42'	5.71%	14.24'	11.82
E-1	E	24"	R.C.P.	40'	0.72%	13.25'	12.96
D-1	D	8"	P.V.C.	48'	0.00%	14.00'	14.00
C-1	C	15"	R.P.V.C.C.P.	74'	0.10%	14.07'	14.00
B-1	B	15"	R.P.V.C.C.P.	68'	0.10%	14.07'	14.00
A-1	A	24"	R.C.P.	160'	0.44%	18.60'	17.90

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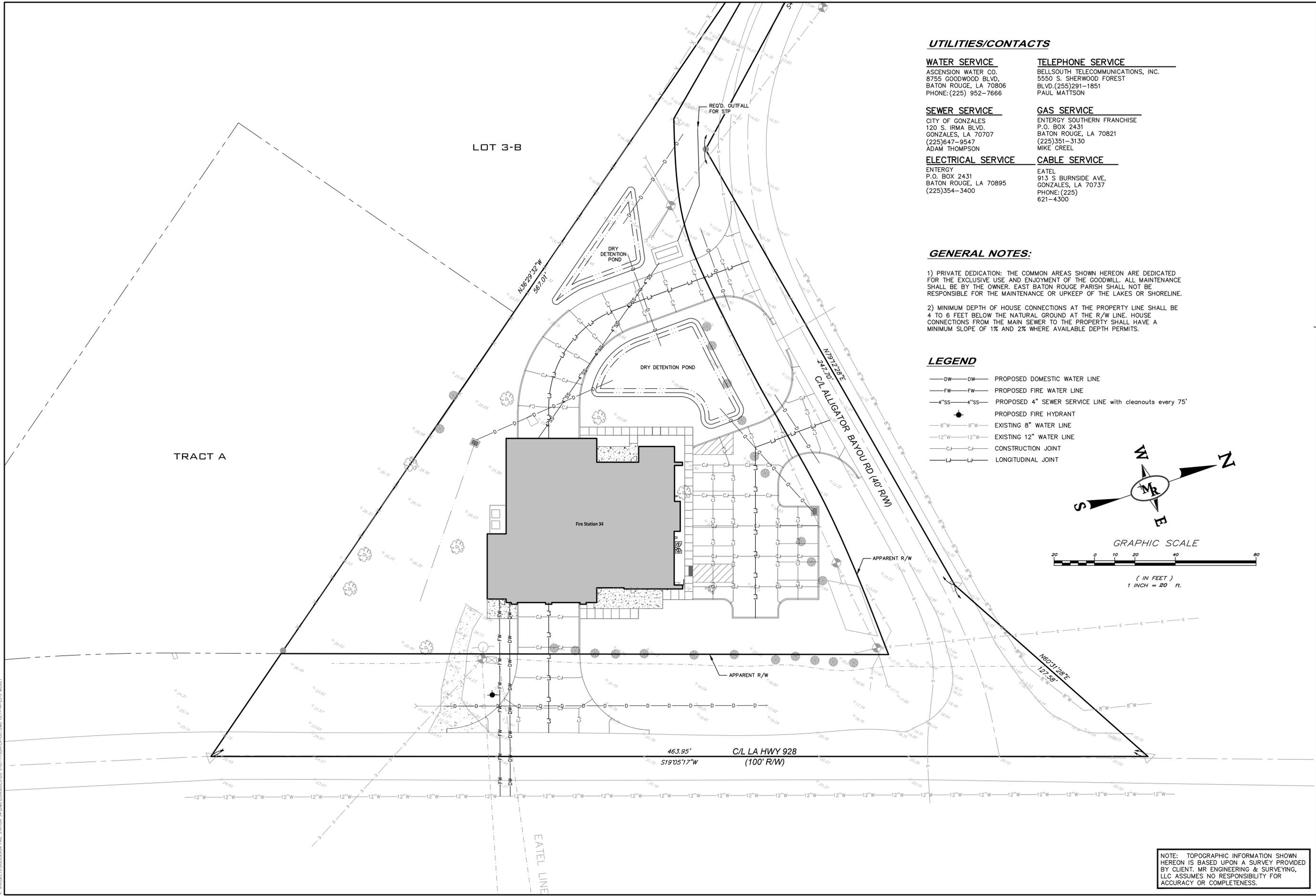
ASCENSION FIRE STATION 34
LA HWY 928 & ALLIGATOR BAYOU RD.
PRAIRIEVILLE, LOUISIANA
ASCENSION PARISH

GRADING & DRAINAGE LAYOUT

DESIGNED	J.D.B.	DATE	10/2015
CHECKED	M.L.R.	SHEET	4 OF 7
DETAILED	J.D.B.		
CHECKED	M.L.R.		

REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION	BY

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UTILITIES/CONTACTS

WATER SERVICE
 ASCENSION WATER CO.
 8755 GOODWOOD BLVD,
 BATON ROUGE, LA 70806
 PHONE: (225) 952-7666

TELEPHONE SERVICE
 BELLSOUTH TELECOMMUNICATIONS, INC.
 5550 S. SHERWOOD FOREST
 BLVD. (255)291-1851
 PAUL MATTSON

SEWER SERVICE
 CITY OF GONZALES
 120 S. IRMA BLVD.
 GONZALES, LA 70707
 (225)647-9547
 ADAM THOMPSON

GAS SERVICE
 ENTERGY SOUTHERN FRANCHISE
 P.O. BOX 2431
 BATON ROUGE, LA 70821
 (225)351-3130
 MIKE CREEL

ELECTRICAL SERVICE
 ENTERGY
 P.O. BOX 2431
 BATON ROUGE, LA 70895
 (225)354-3400

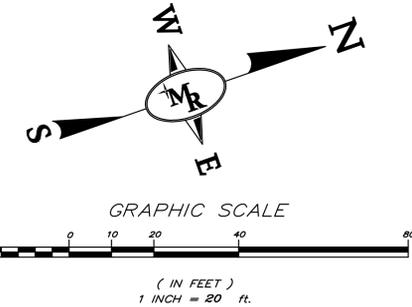
CABLE SERVICE
 EATEL
 913 S BURNSIDE AVE.
 GONZALES, LA 70737
 PHONE: (225)
 621-4300

GENERAL NOTES:

- 1) PRIVATE DEDICATION: THE COMMON AREAS SHOWN HEREON ARE DEDICATED FOR THE EXCLUSIVE USE AND ENJOYMENT OF THE GOODWILL. ALL MAINTENANCE SHALL BE BY THE OWNER. EAST BATON ROUGE PARISH SHALL NOT BE RESPONSIBLE FOR THE MAINTENANCE OR UPKEEP OF THE LAKES OR SHORELINE.
- 2) MINIMUM DEPTH OF HOUSE CONNECTIONS AT THE PROPERTY LINE SHALL BE 4 TO 6 FEET BELOW THE NATURAL GROUND AT THE R/W LINE. HOUSE CONNECTIONS FROM THE MAIN SEWER TO THE PROPERTY SHALL HAVE A MINIMUM SLOPE OF 1% AND 2% WHERE AVAILABLE DEPTH PERMITS.

LEGEND

- DW — DW — PROPOSED DOMESTIC WATER LINE
- FW — FW — PROPOSED FIRE WATER LINE
- 4"SS — 4"SS — PROPOSED 4" SEWER SERVICE LINE with cleanouts every 75'
- PROPOSED FIRE HYDRANT
- 8"W — 8"W — EXISTING 8" WATER LINE
- 12"W — 12"W — EXISTING 12" WATER LINE
- CJ — CJ — CONSTRUCTION JOINT
- LJ — LJ — LONGITUDINAL JOINT

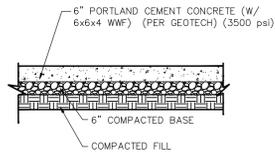


ASCENSION FIRE STATION 34
 LA HWY 928 & ALLIGATOR BAYOU RD.
 PRAIRIEVILLE, LOUISIANA
 ASCENSION PARISH
 UTILITY/JOINT LAYOUT

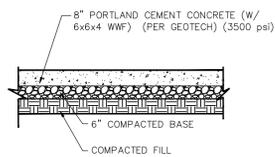
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CHECKED	M.L.R.	SHEET	5 OF 7
DETAILED	J.D.B.		
CHECKED	M.L.R.		

REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION	BY

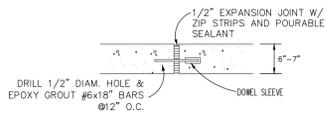
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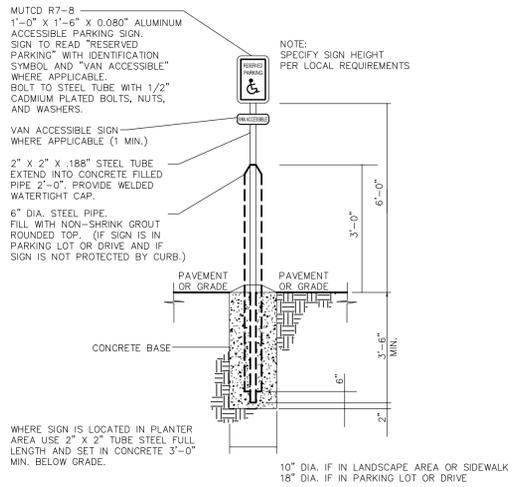
1 LIGHT-DUTY CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



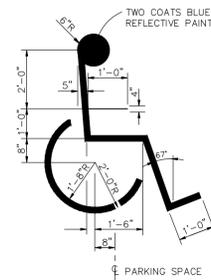
2 HEAVY-DUTY CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



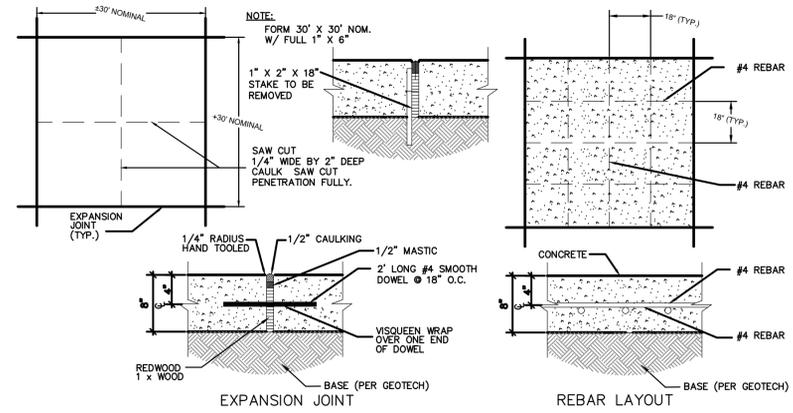
3 CONCRETE PV. & CONCRETE PV. CONNECTION
SCALE: N.T.S.



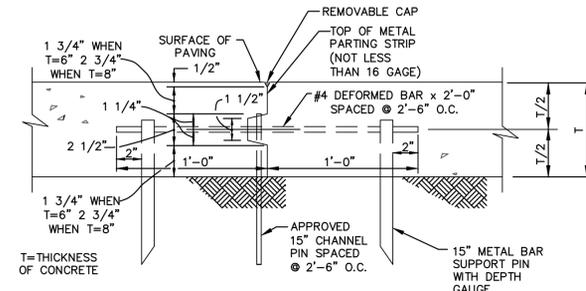
4 ACCESSIBLE SIGN DETAIL (R7-8)
SCALE: N.T.S.



5 ACCESSIBLE SYMBOL OF ACCESSIBILITY
SCALE: N.T.S.



6 TYP. EXPANSION JOINT & REBAR LAYOUT DETAIL
SCALE: N.T.S.



7 CONSTRUCTION JOINT (TYPE 1)
SCALE: N.T.S.

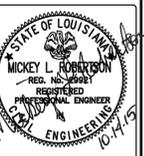
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ASCENSION FIRE STATION 34
LA HWY 928 & ALLIGATOR BAYOU RD.
PRAIRIEVILLE, LOUISIANA
ASCENSION PARISH

SITE DETAILS

DESIGNED	J.D.B.	DATE	10/2015
CHECKED	M.L.R.	SHEET	6 OF 7
DETAILED	J.D.B.		
CHECKED	M.L.R.		

REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION	BY



EROSION CONTROL NOTES:

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
2. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
4. SHOULD CONSTRUCTION STOP FOR LONGER THAN 15 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED.
5. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
6. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
7. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
9. COMPACT AND MAINTAIN 6" THICK STONE MATERIAL FOR CONSTRUCTION ENTRANCE.
10. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

STRAW BALES BARRIER IN DRAINAGE WAY

CHANNEL FLOW APPLICATIONS

1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ADJUTING ONE ANOTHER.
2. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT-LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

MAINTENANCE

1. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

CERTIFICATION OF COMPLIANCE

WE, THE UNDERSIGNED CONTRACTOR(S), DO HEREBY AGREE TO THE EROSION AND SEDIMENTATION CONTROL PLAN AS OUTLINED BY THE SITE DEVELOPMENT FIRM AND AGREE TO MAINTAIN SUCH COMPLIANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN ELEMENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO;

NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES AND STRUCTURES HAVE BEEN INSTALLED AND/OR IN PLACE.

ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING. MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES/STRUCTURES AFTER EACH RAINFALL EVENT AND AT LEAST ONCE PER WEEK.

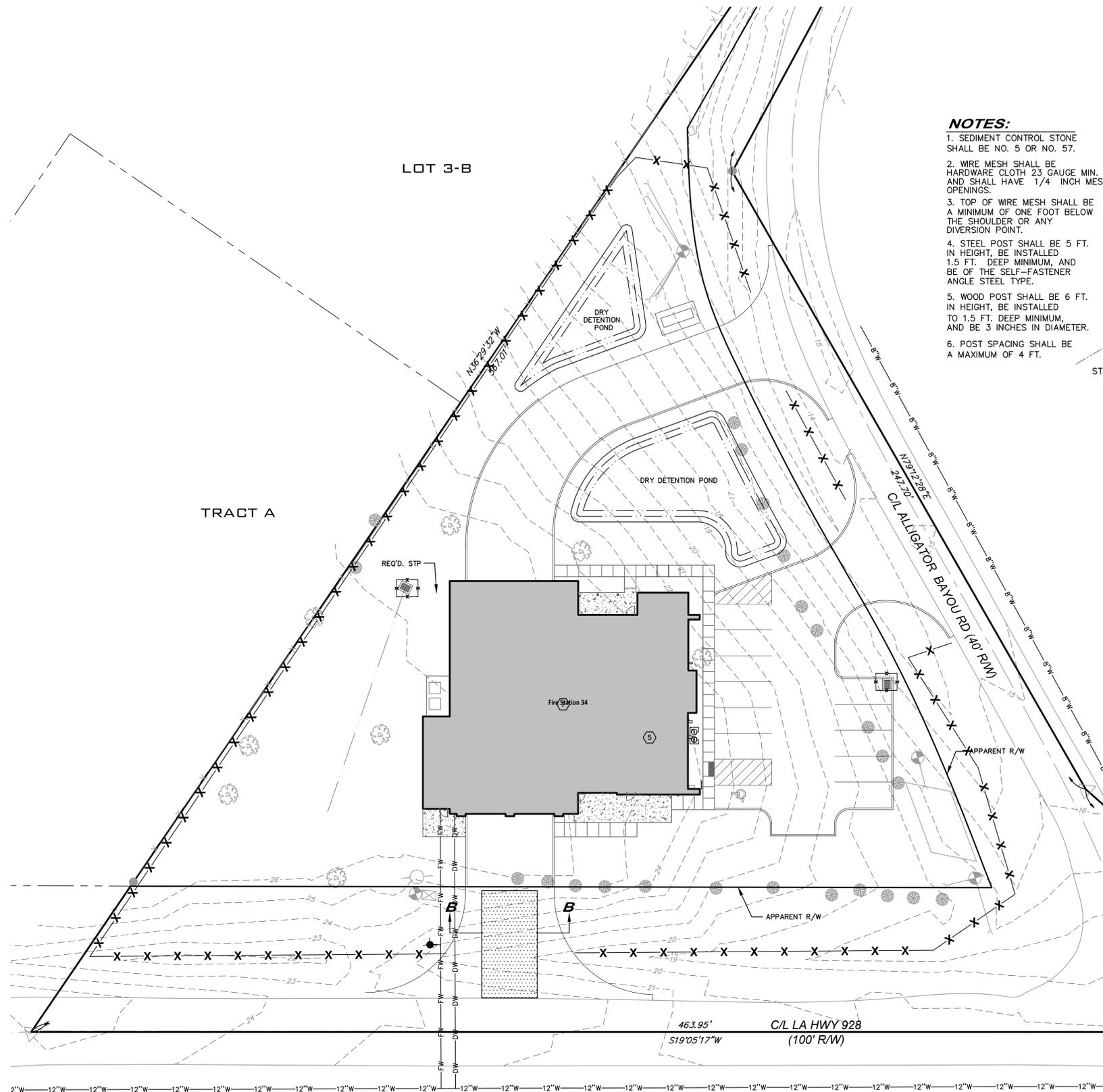
ALL NECESSARY MEASURES SHALL BE TAKEN TO THE EXTENT PRACTICABLE TO PREVENT SEDIMENT FROM LEAVING THE SITE(S).

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE PRACTICED IF DEEMED NECESSARY BY ON-SITE INSPECTIONS.

LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.

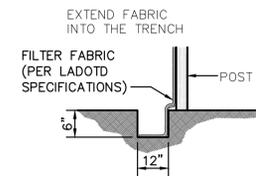
CONTRACTOR(S) AND SUB-CONTRACTOR(S) SHALL AGREE TO COMPLY WITH ALL STATE AND LOCAL ORDINANCES WHICH APPLY.

GENERAL CONTRACTOR

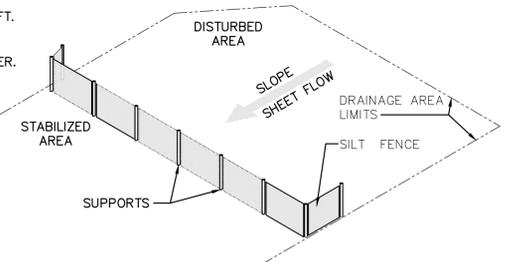


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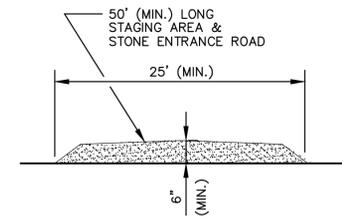
1. SEDIMENT CONTROL STONE SHALL BE NO. 5 OR NO. 57.
2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4" INCH MESH OPENINGS.
3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
5. WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.
6. POST SPACING SHALL BE A MAXIMUM OF 4 FT.



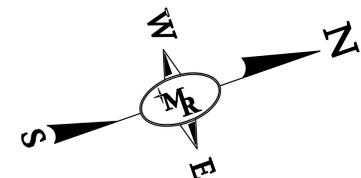
CONSTRUCTION OF A SILT FENCE
SCALE: N.T.S.



DETAILS OF PLACING SILT FENCE
SCALE: N.T.S.



SECTION B-B
SCALE: N.T.S.



GRAPHIC SCALE

(IN FEET)
1 INCH = 20 ft.

LEGEND:

- X-X-X- SILT FENCE
- [Symbol] SEDIMENT BARRIER

NOTE: TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON A SURVEY PROVIDED BY CLIENT. MR ENGINEERING & SURVEYING, LLC ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS.

DESIGNED	J.D.B.
CHECKED	M.L.R.
DETAILED	J.D.B.
CHECKED	M.L.R.
DATE	10/2015
SHEET	7 OF 7

REVISION DATE	REVISION DESCRIPTION	BY

SHEET NUMBER **C-7**



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NEW CONSTRUCTION OF
**ASCENSION PARISH FIRE DISTRICT 3
STATION #34**
BLUFF ROAD PRAIRIEVILLE, LA

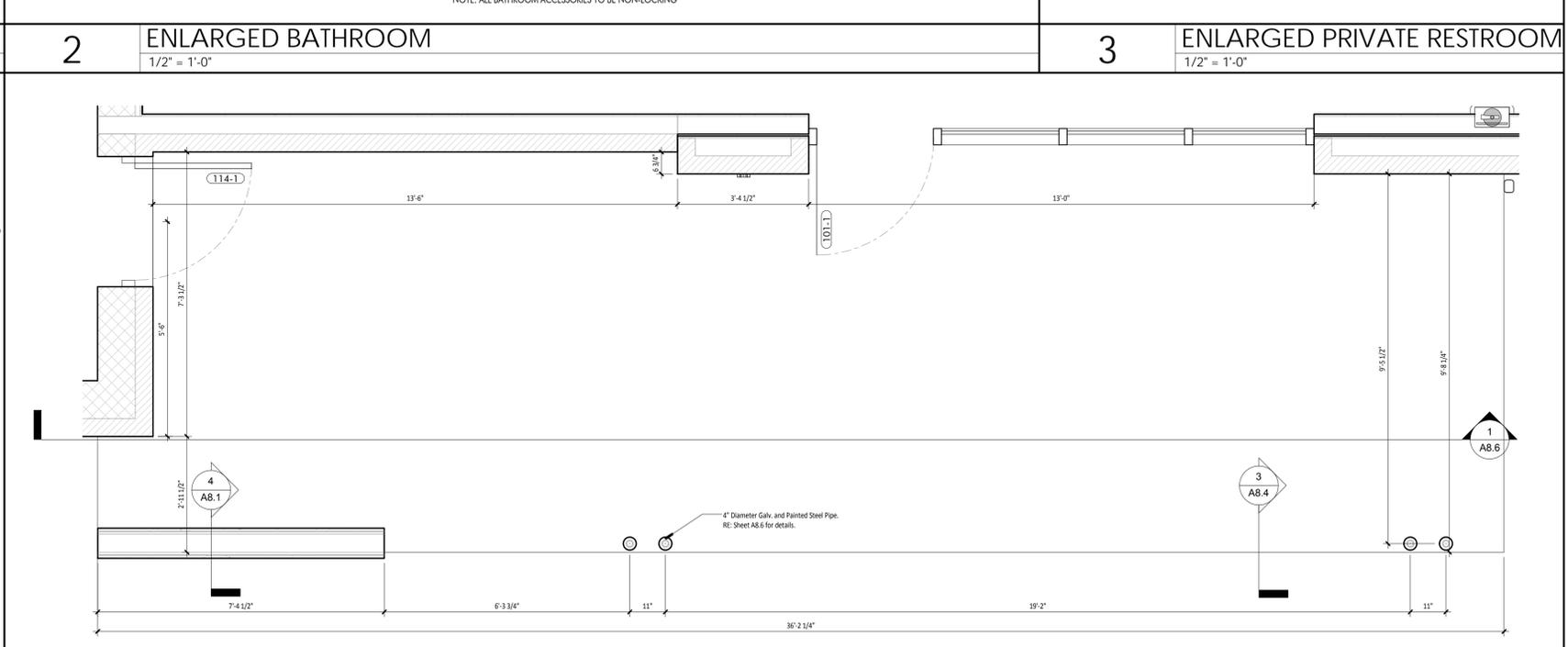
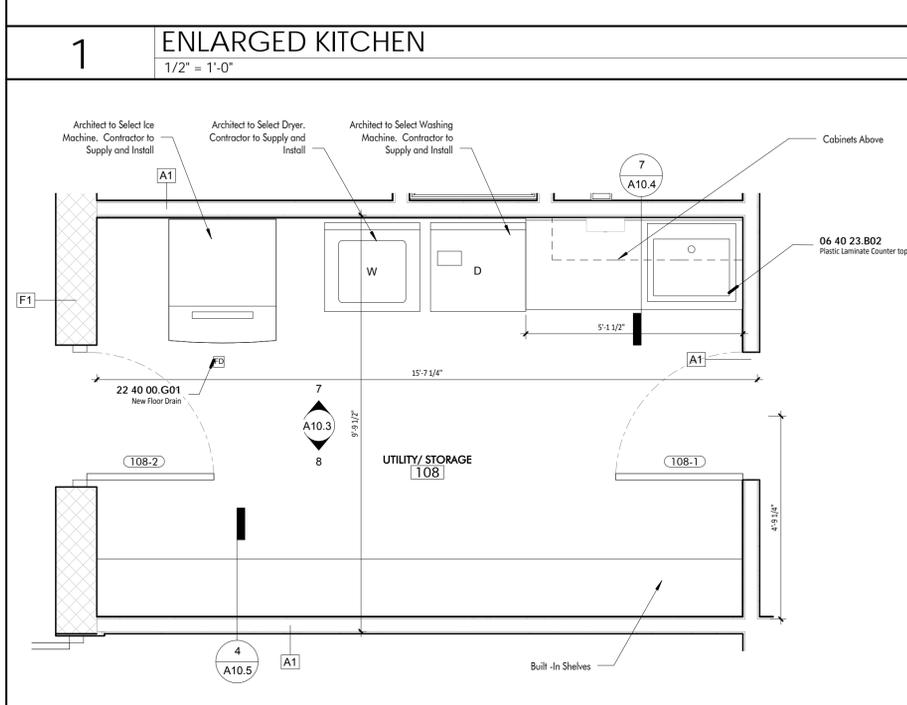
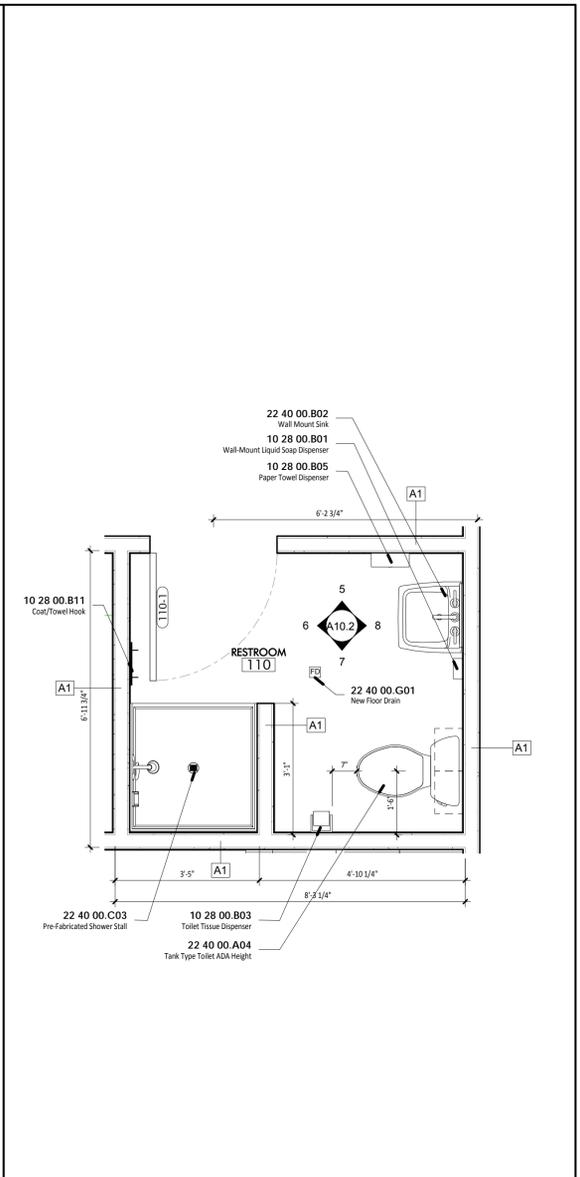
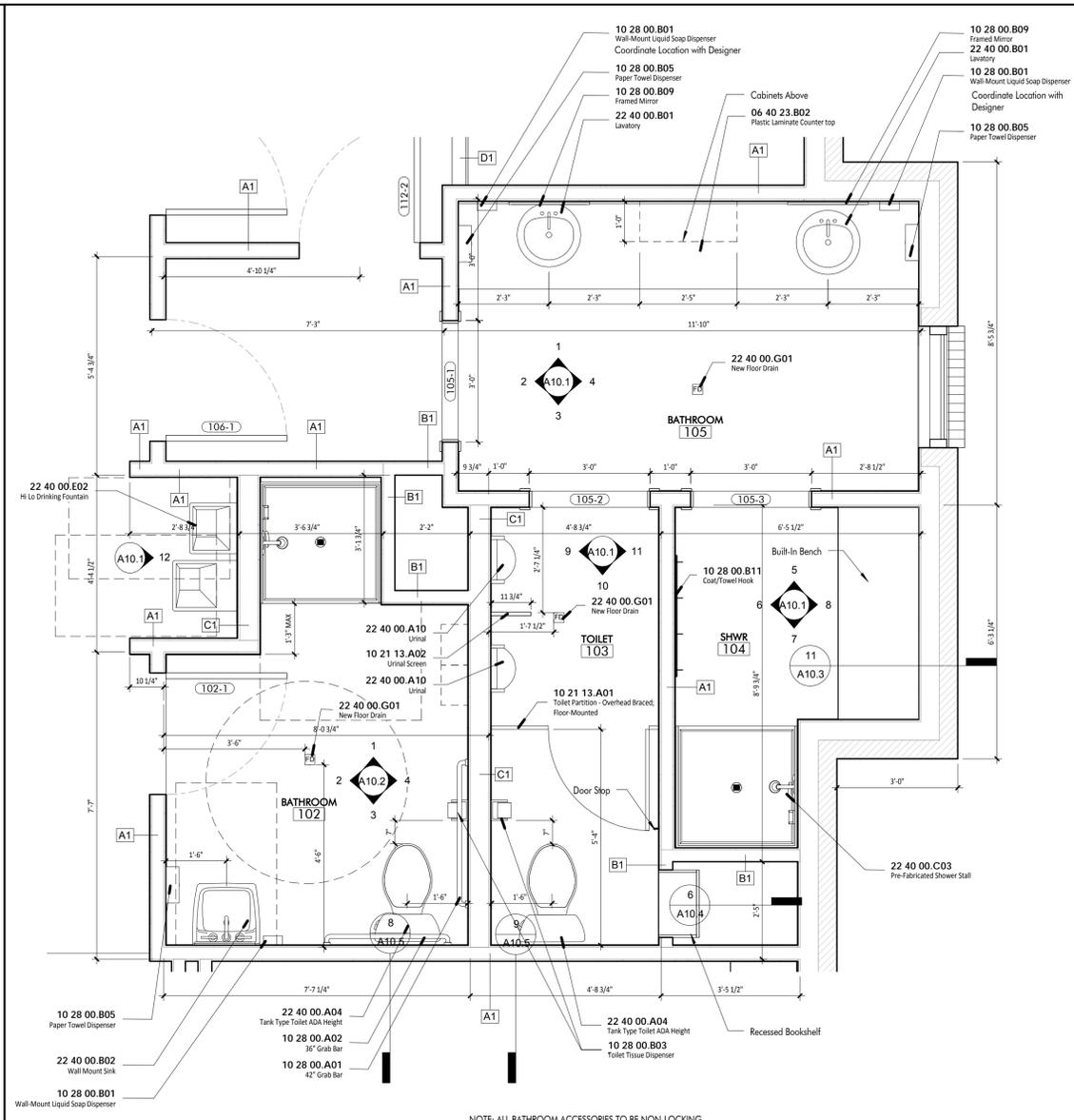
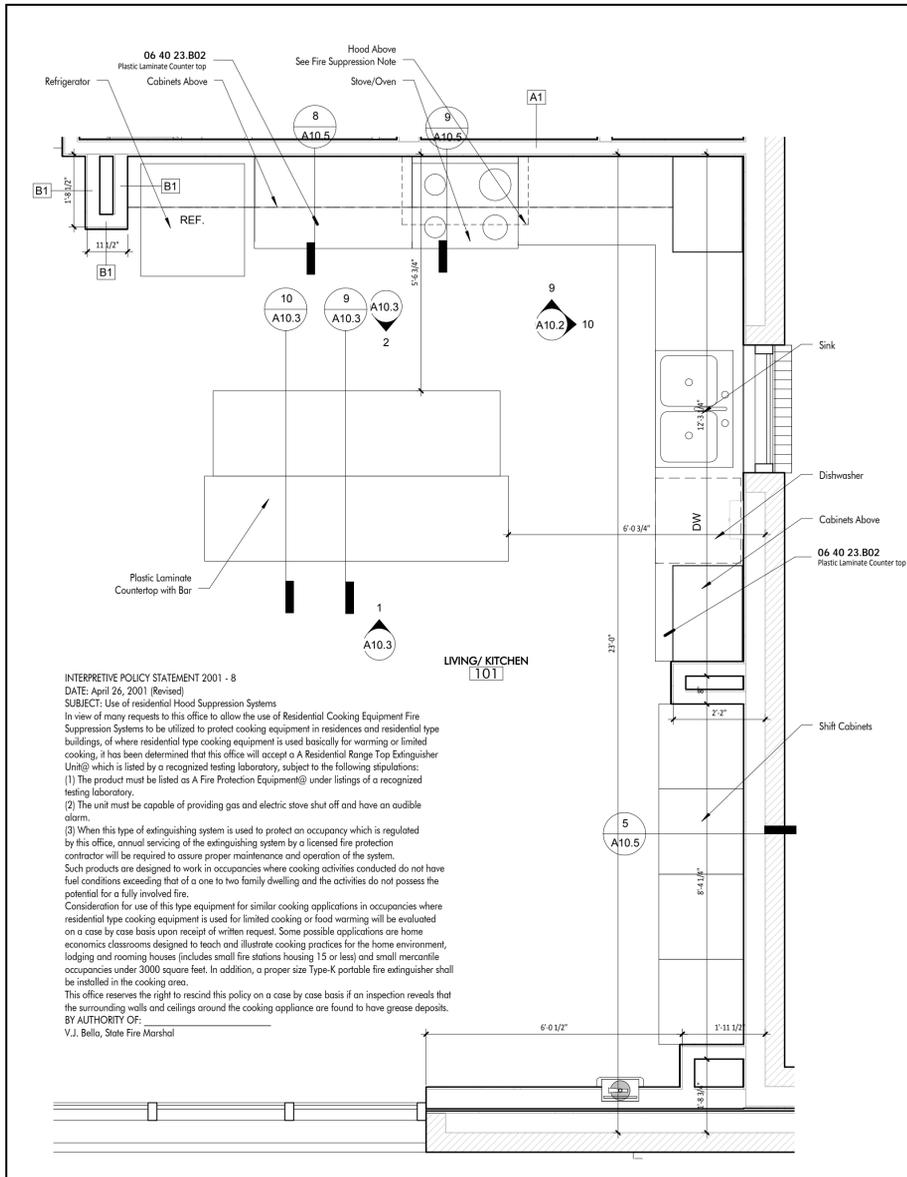
map engineer:
CRUMB ENGINEERING
4609 FAIRFIELD STREET
METAIRIE, LA 70006
504.455.4450
civil engineer:
MR ENGINEERING & SURVEYING
9345 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.490.9592
structural engineer:
FORTE AND TABLADA
9107 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.927.9321
other:

No.	Description	Date

date
OCTOBER 9, 2015

sheet

A3.1



OCTOBER 9, 2015



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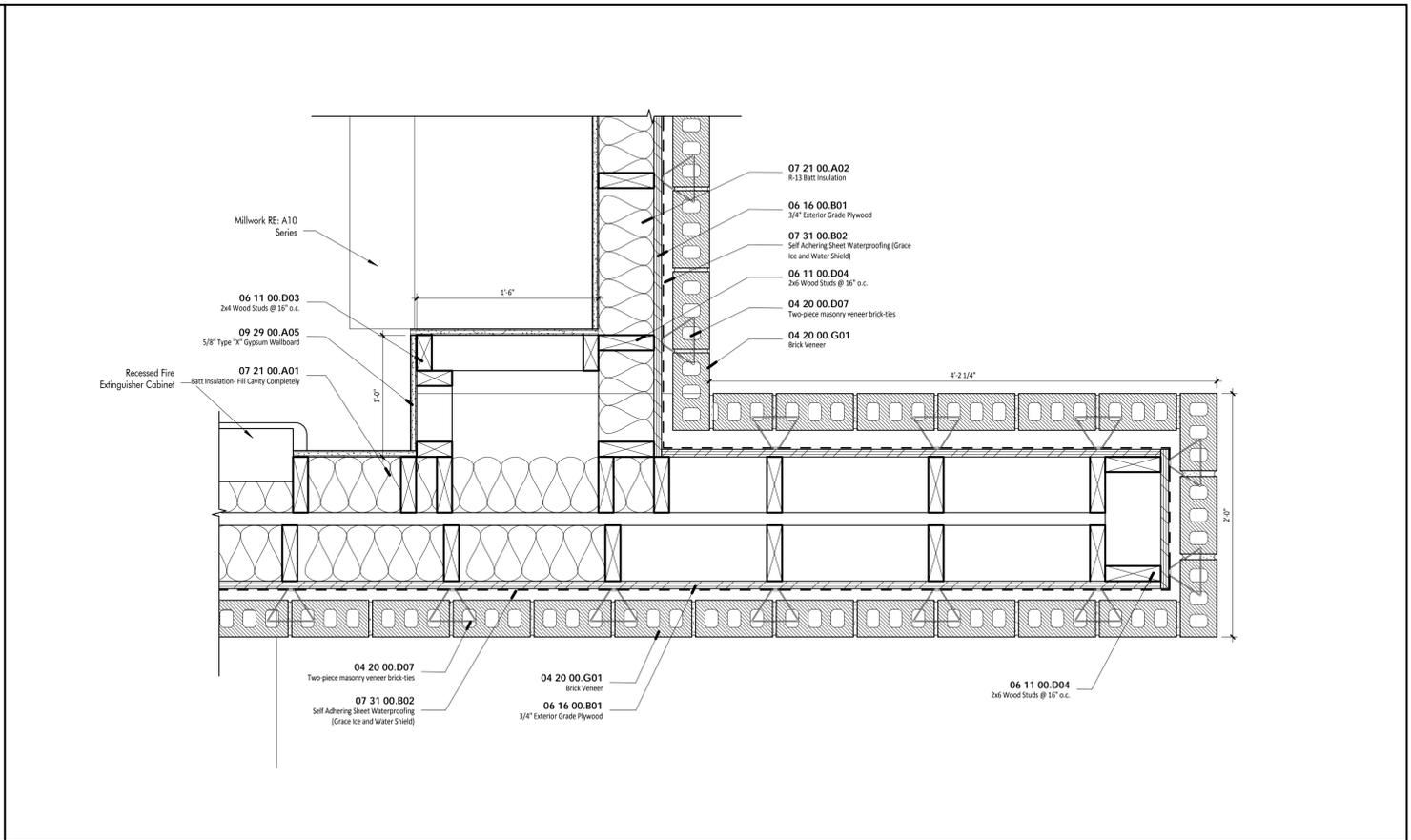
NEW CONSTRUCTION OF
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STATION #34**
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map engineer:
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4609 FAIRFIELD STREET
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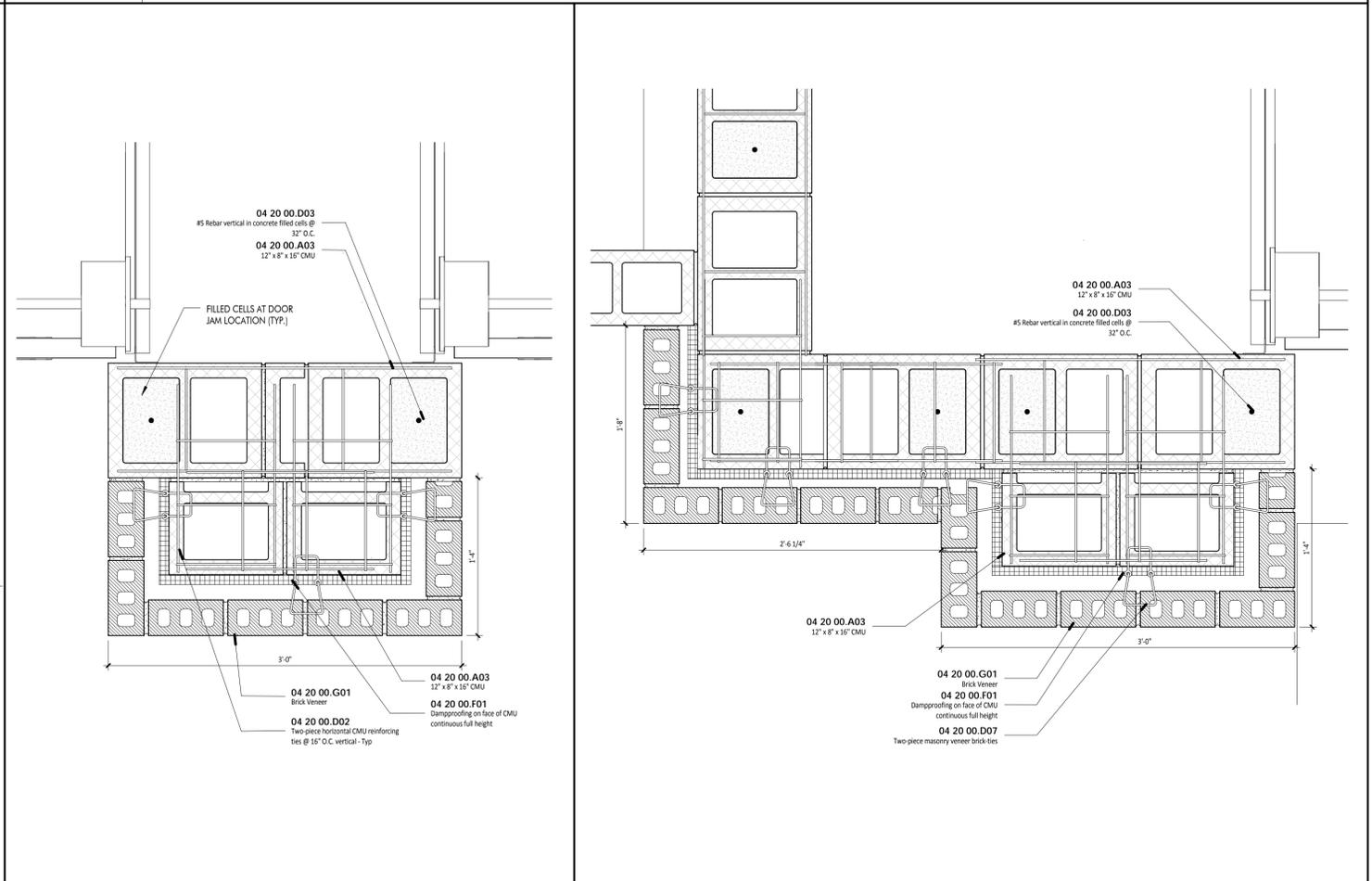
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No.	Description	Date

date
OCTOBER 9, 2015

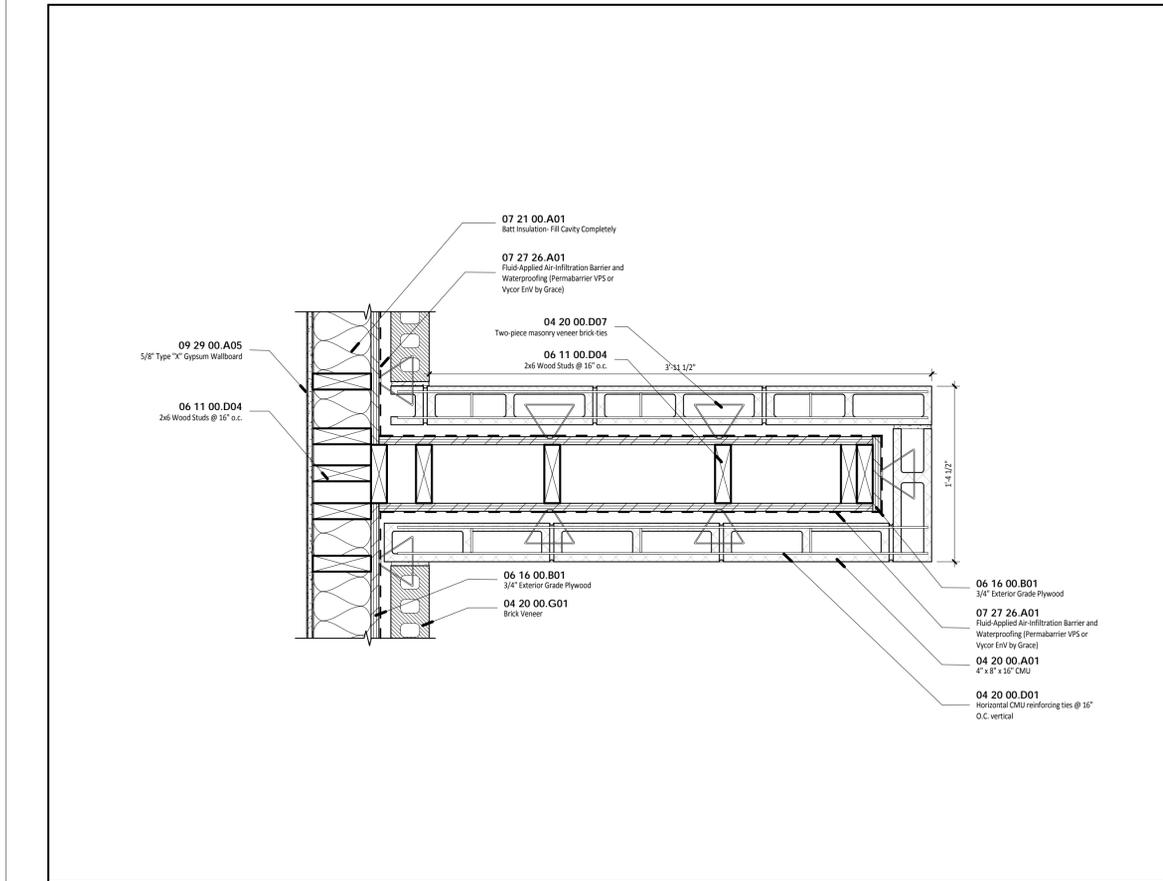
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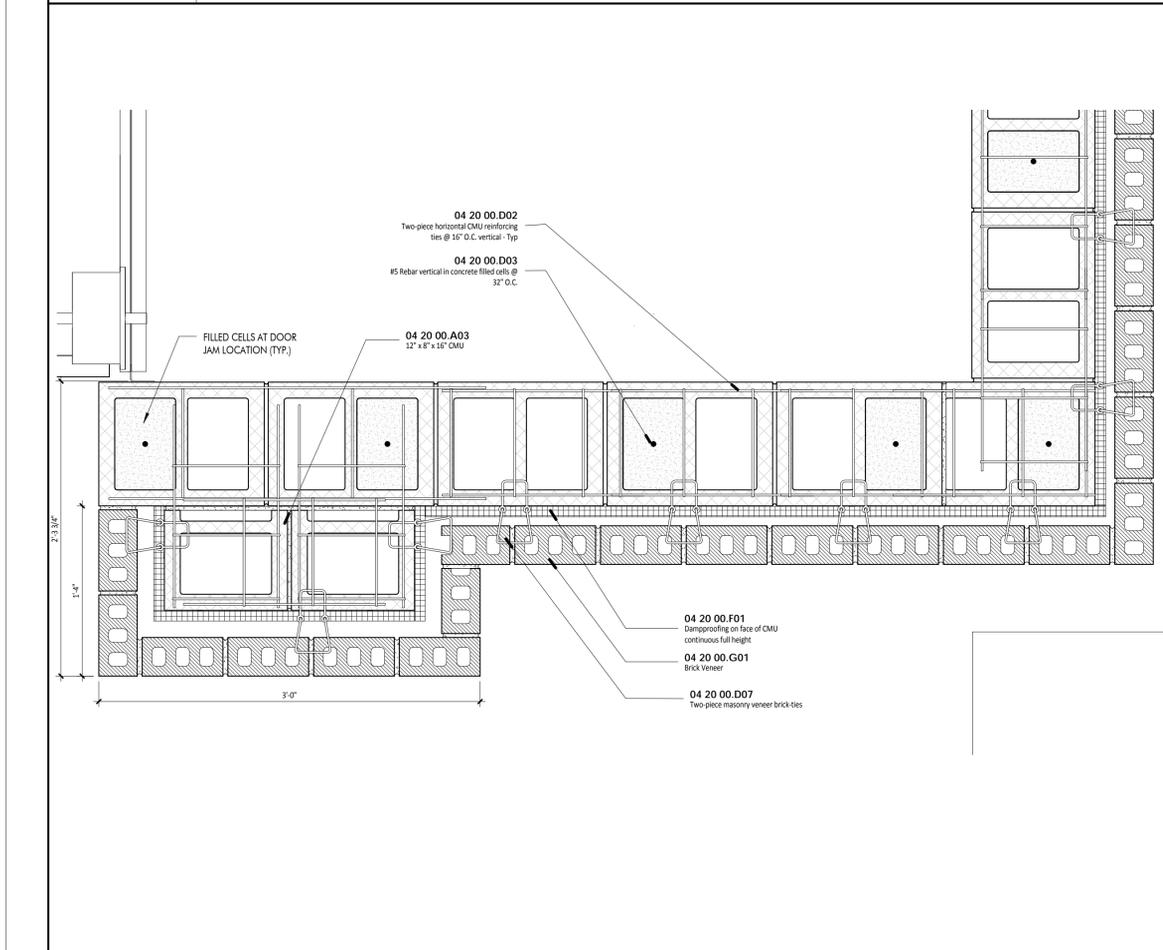
2 PLAN DETAIL
1 1/2" = 1'-0"



4 PLAN DETAIL
1 1/2" = 1'-0"



1 PLAN DETAIL
1 1/2" = 1'-0"



3 PLAN DETAIL
1 1/2" = 1'-0"



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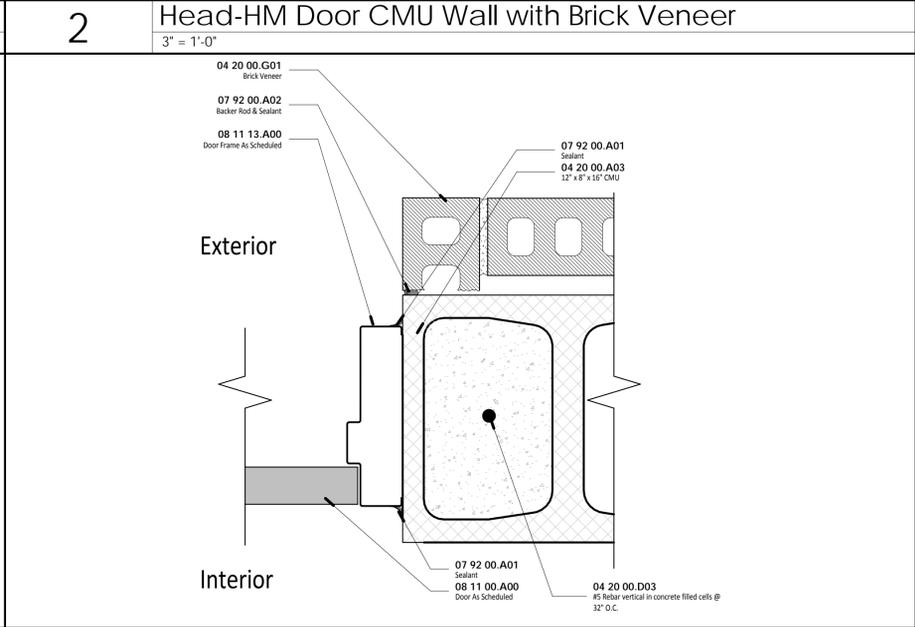
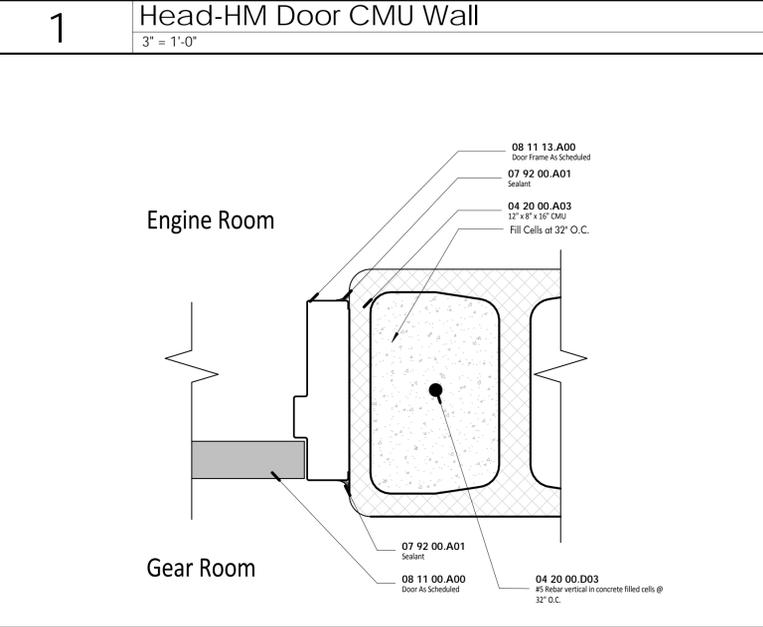
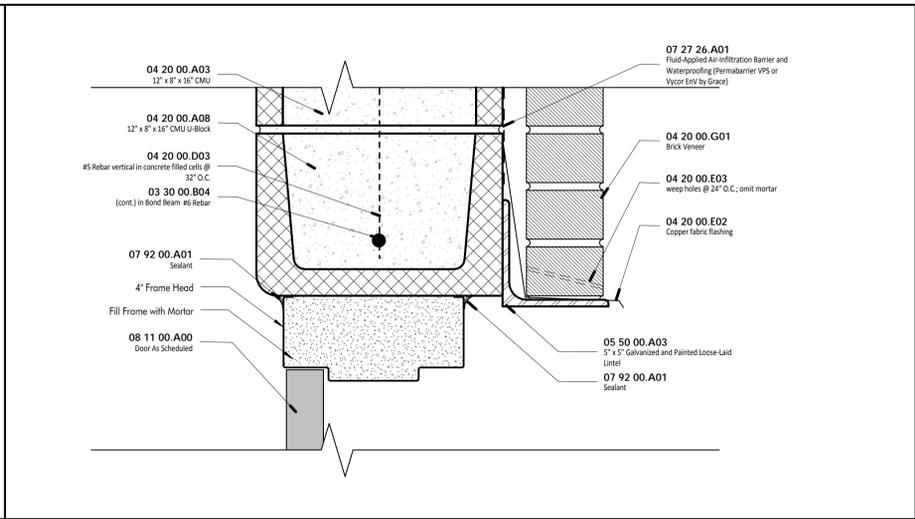
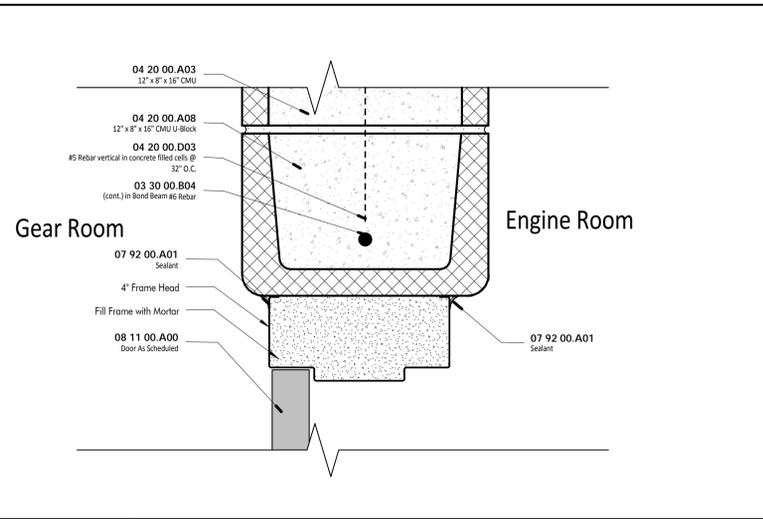
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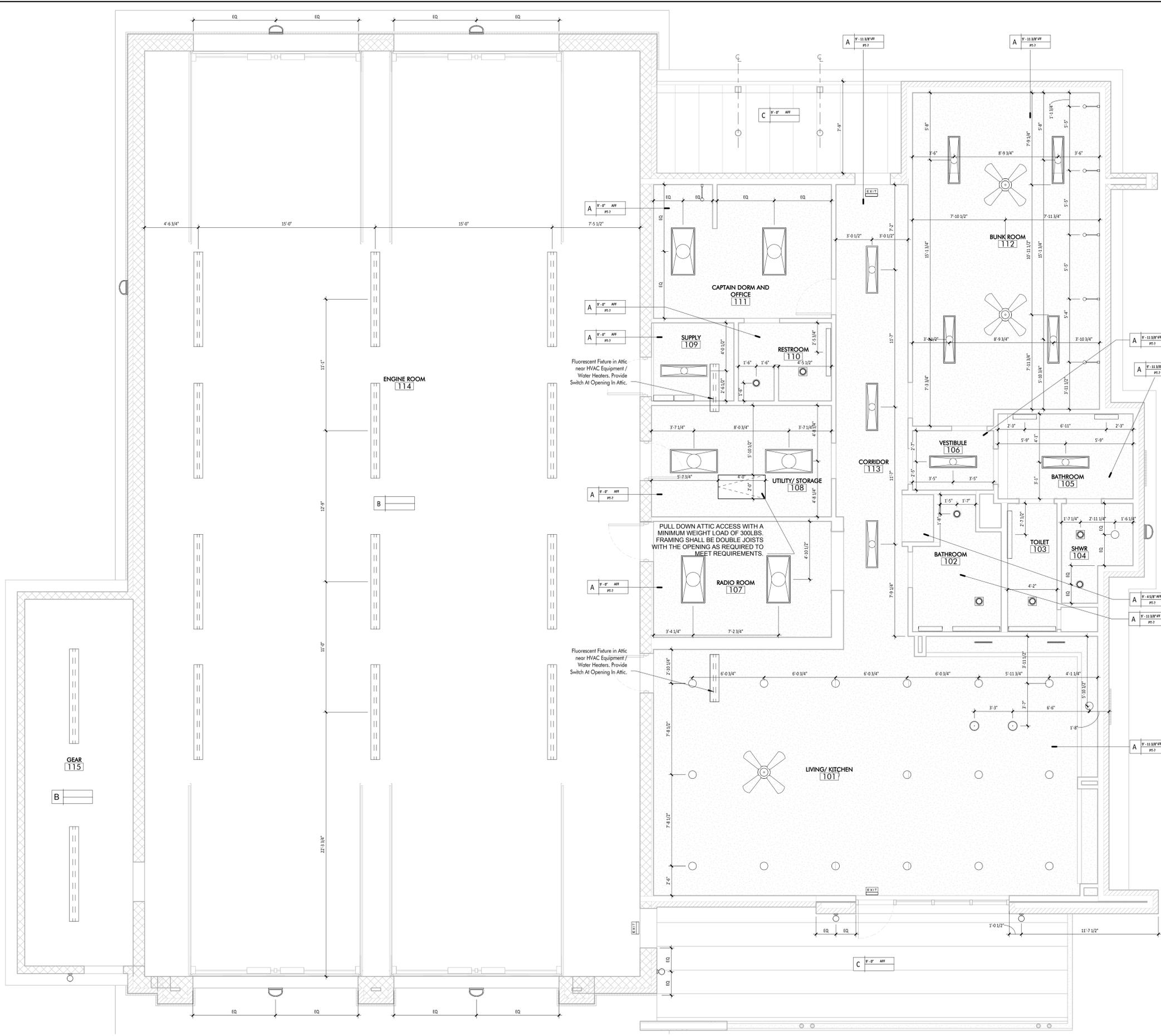
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No.	Description	Date

date
OCTOBER 9, 2015

sheet

A4.4

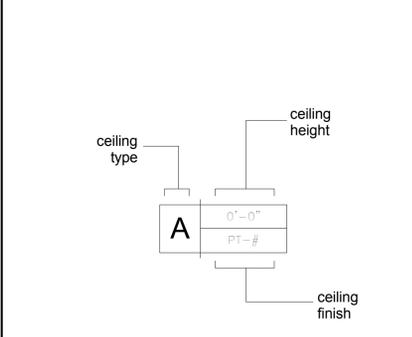




1 First Floor Lighting Plan
1/4" = 1'-0"

Reflected Ceiling Legend	
A	5/8" PAINTED GYP. BD.
B	PREFINISHED METAL PANEL
A	5/8" PAINTED GYP. BD.

2 Ceiling Legend



3 Ceiling Tag Legend

- VANITY WALL MOUNTED FIXTURE
- EXTERIOR WALL MOUNTED FIXTURE
- HANGING FIXTURE
- SURFACE MOUNT
- RECESSED CAN LIGHT
- 1X8 SURFACE MOUNT
- 1X4 RECESSED MOUNT
- 2X4 RECESSED MOUNT
- UNDERCABINET LIGHT
- CEILING FAN
- EXIT SIGN
- HEAT/VENT/LIGHT

4 Lighting Legend



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structural engineer:
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225.927.9321
other:

revisions		
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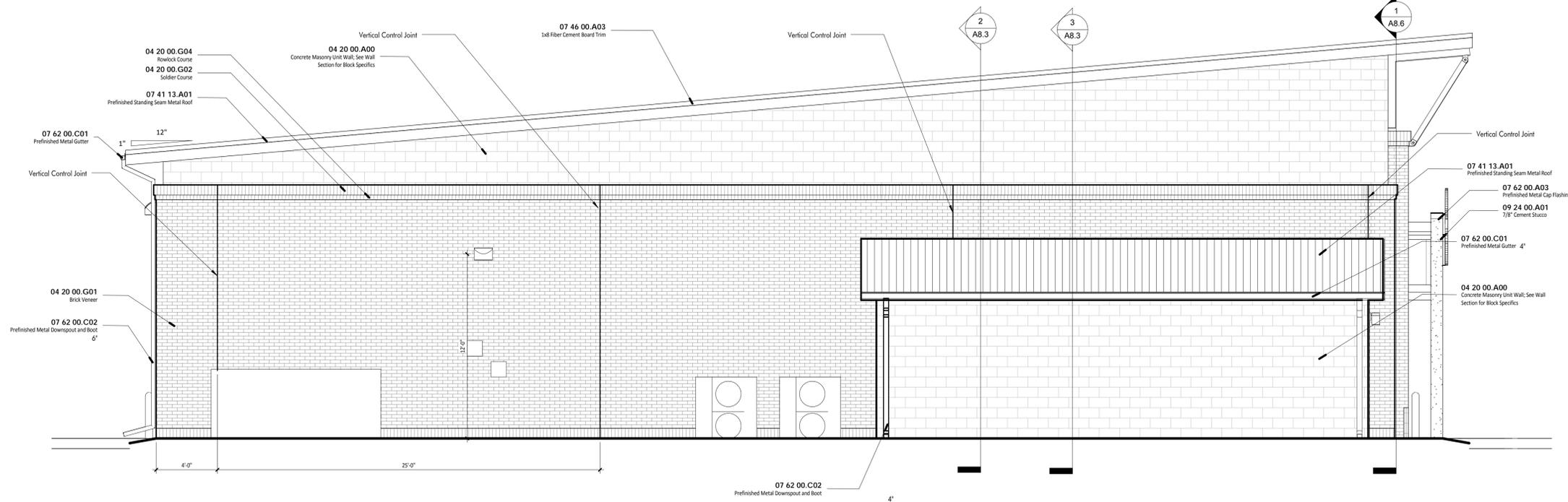
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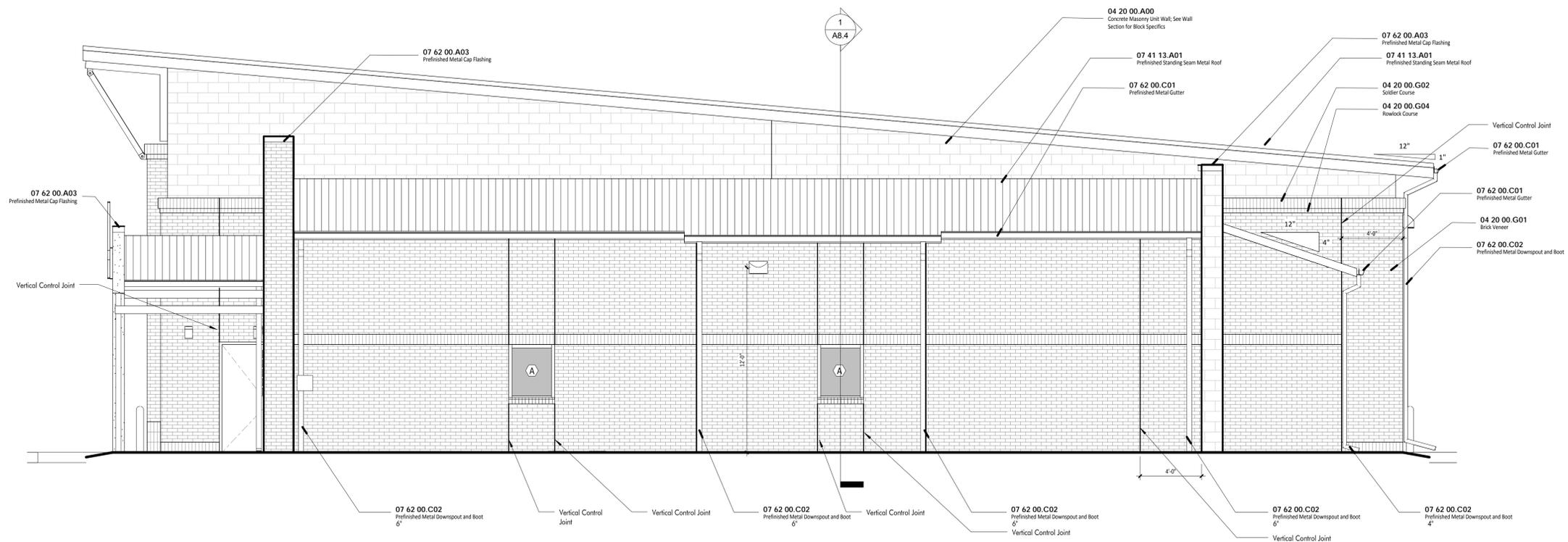
date
 OCTOBER 9, 2015

sheet

A6.2



1 SOUTH ELEVATION
 1/4" = 1'-0"



2 NORTH ELEVATION
 1/4" = 1'-0"



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225.927.9321
other:

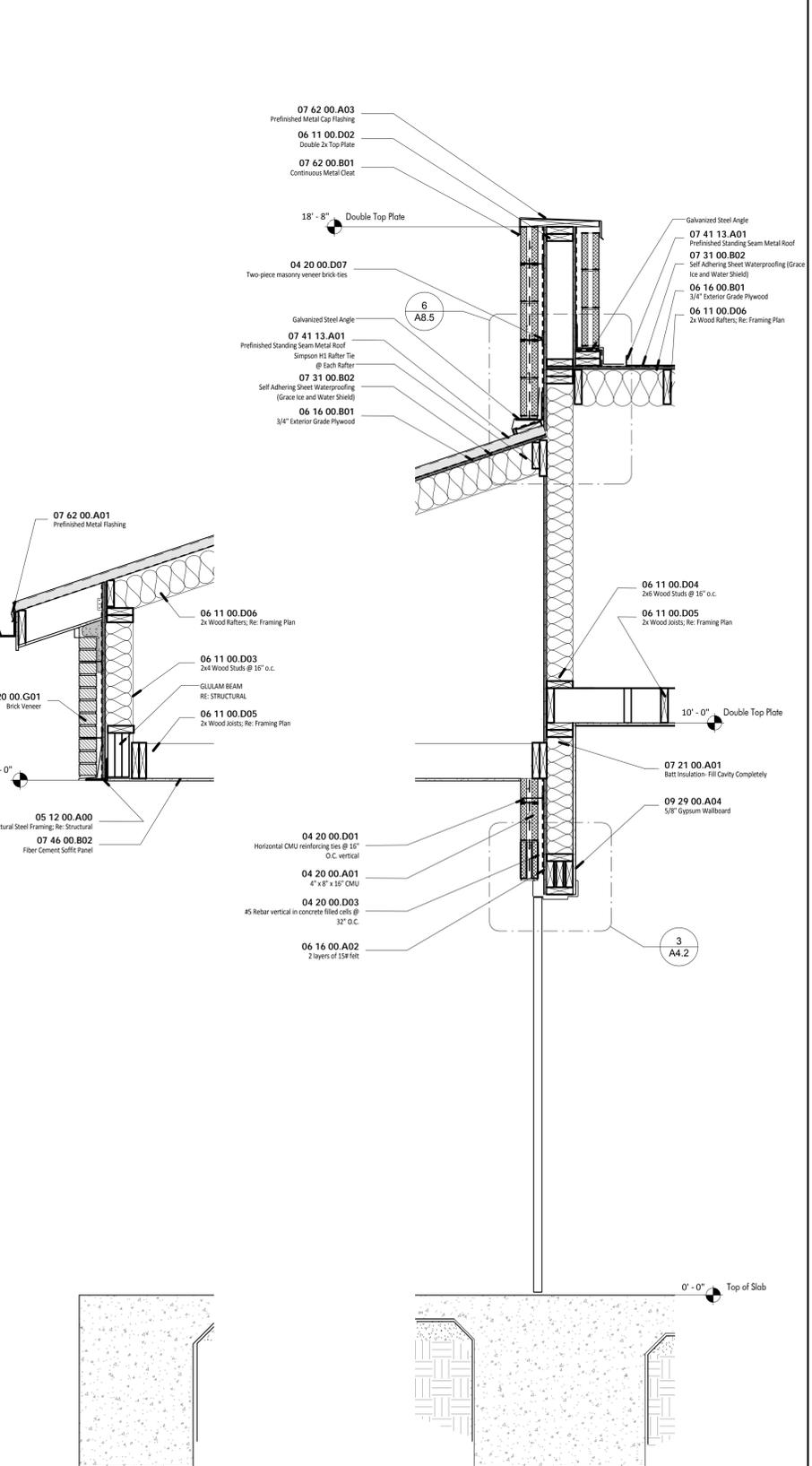
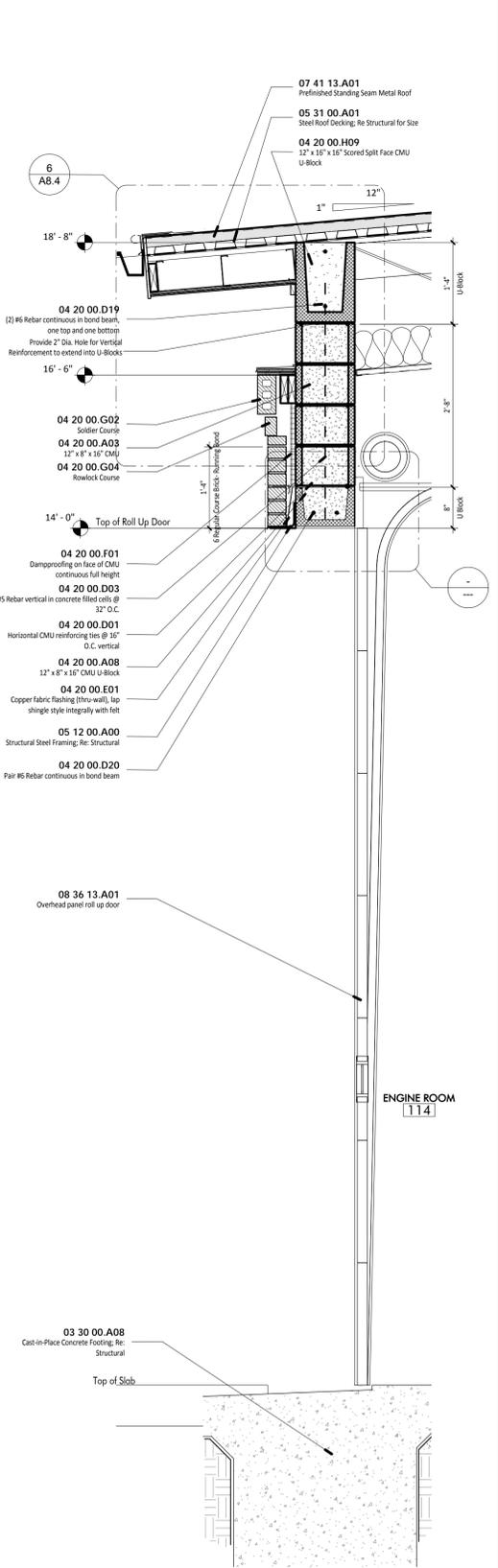
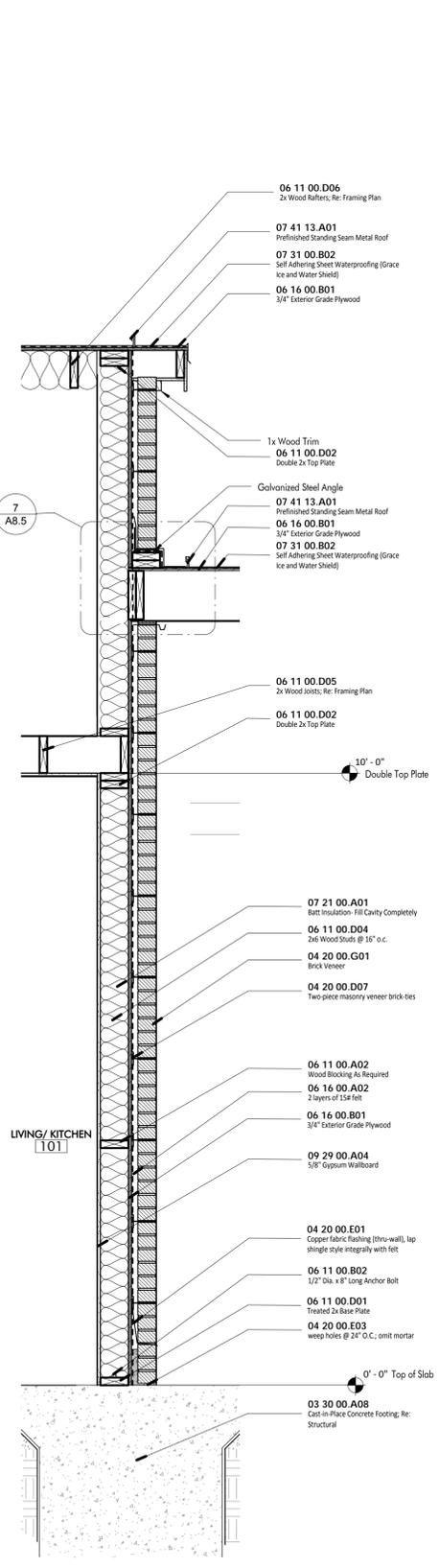
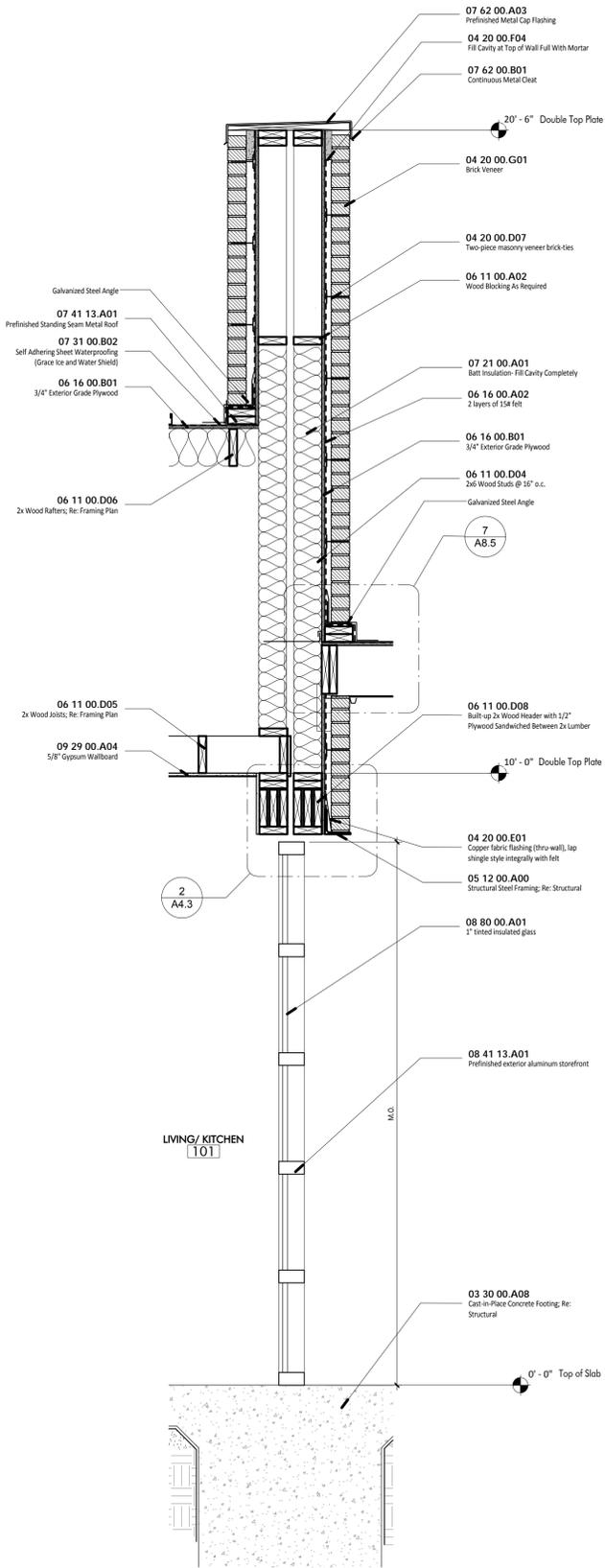
revisions		
No.	Description	Date

date
OCTOBER 9, 2015

sheet

A8.2

- NOTES:
1. CMU SHALL BE LAID CAREFULLY TO INSURE THAT ALL VERTICAL CELLS, THAT WILL RECEIVE VERTICAL REINFORCEMENT, SHALL BE FREE OF ANY EXCESS MORTAR OR TRASH THAT MAY PREVENT THE PROPER FILING OF THOSE CELLS WITH CONCRETE.
 2. IN PORTIONS OF CMU WALLS WHERE MULTIPLE U-BLOCKS OCCUR, FILLED CELLS SHALL BE COMPLETELY FILLED PRIOR TO PLACING U-BLOCK AND FUTURE COURSES OF BLOCK.
 3. REINFORCING IN CMU SHALL BE EPOXIED INTO CAST-IN-PLACE SLAB BY THE FOLLOWING PROCESS: DRILL 3/4" DIAMETER X 10" DEEP HOLES FOR #5 BARS AND USE "HILT" HT HY 150 ADHESIVE ANCHOR SYSTEM. ALL MANUFACTURERS INSTALLATION PROCEDURES SHALL BE STRICTLY FOLLOWED.
 4. ALL 3/4" PLYWOOD SHOWN ATTACHED TO EXTERIOR OF WALLS TO WOOD STUDS SHALL BE NAILED @ MINIMUM OF 4 1/2" WITH LEO NAILS. PLYWOOD SHALL BE SET SO PANELS FALL @ EVEN STUD SPACING. ALL PLYWOOD SHALL BE BLOCKED ON FREE ENDS AND NAILING PATTERN SHALL BE 4 1/2" IN BOTH DIRECTIONS.

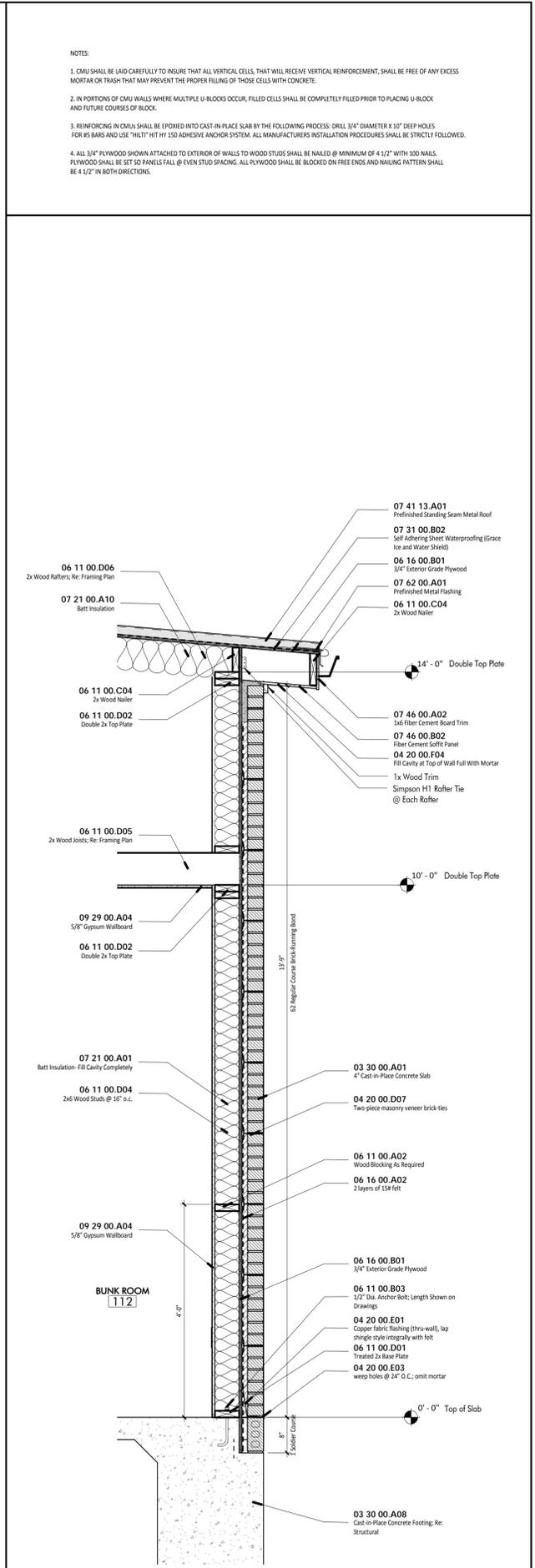
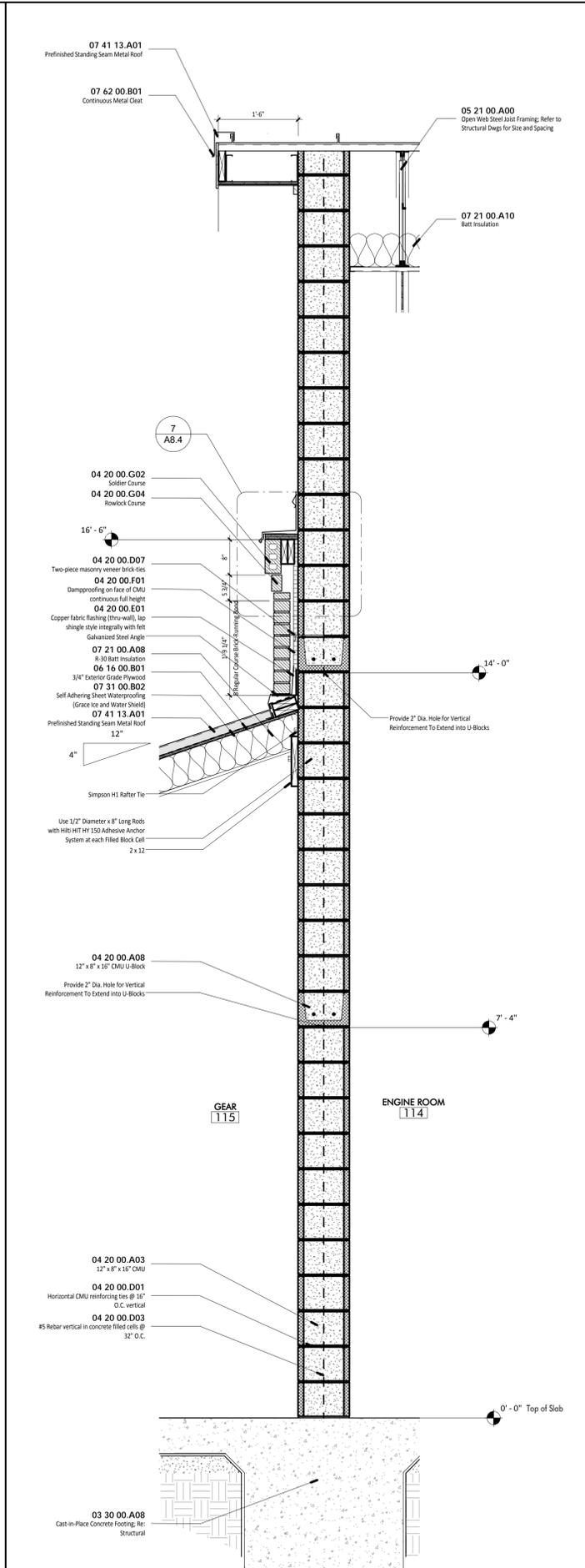
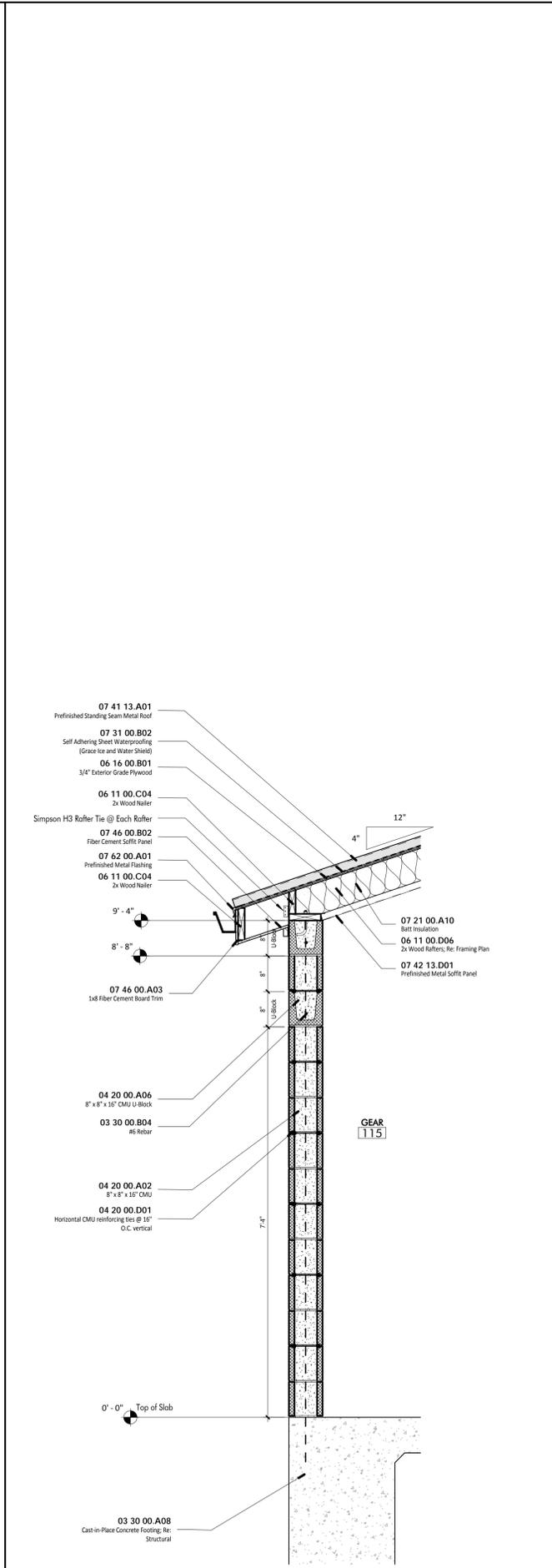
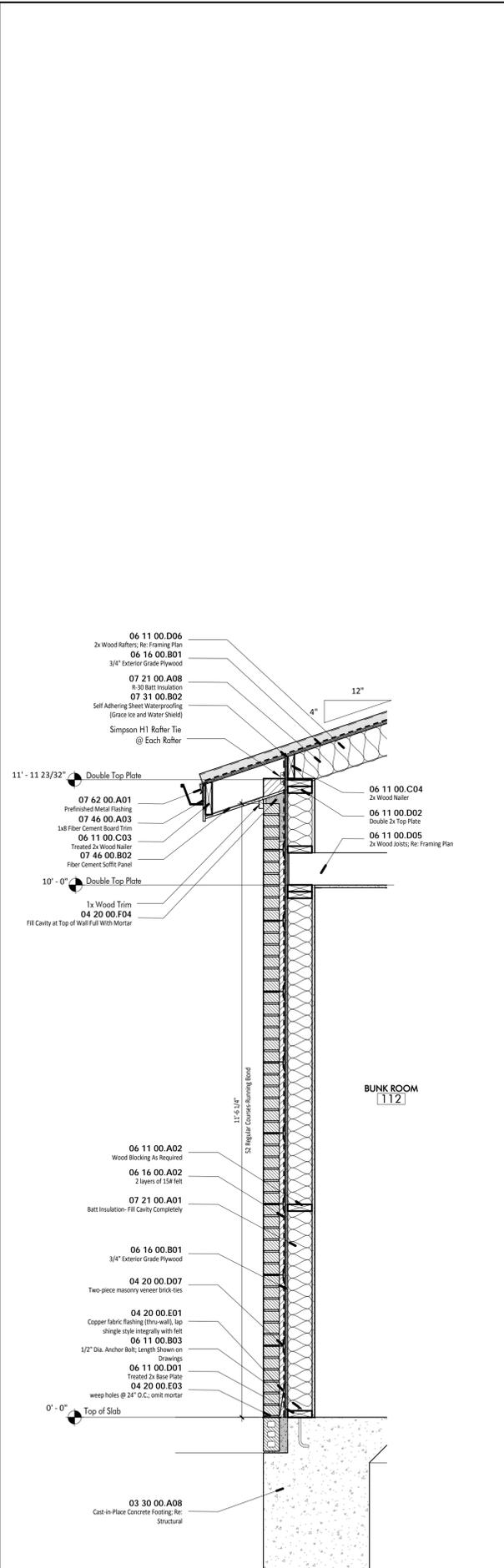


1 WALL SECTION
3/4" = 1'-0"

2 WALL SECTION
3/4" = 1'-0"

3 WALL SECTION
3/4" = 1'-0"

4 WALL SECTION
3/4" = 1'-0"



NOTES:
1. CMU SHALL BE LAID CAREFULLY TO INSURE THAT ALL VERTICAL CELLS, THAT WILL RECEIVE VERTICAL REINFORCEMENT, SHALL BE FREE OF ANY EXCESS MORTAR OR TRASH THAT MAY PREVENT THE PROPER FILLING OF THOSE CELLS WITH CONCRETE.
2. IN PORTIONS OF CMU WALLS WHERE MULTIPLE U-BLOCKS OCCUR, FILLED CELLS SHALL BE COMPLETELY FILLED PRIOR TO PLACING U-BLOCK AND FUTURE COURSES OF BLOCK.
3. REINFORCING IN CMU SHALL BE EPOXIED INTO CAST-IN PLACE SLAB BY THE FOLLOWING PROCESS: DRILL 3/4" DIAMETER X 10" DEEP HOLES FOR #5 BARS AND USE "HILTI" HIT HY 150 ADHESIVE ANCHOR SYSTEM. ALL MANUFACTURERS INSTALLATION PROCEDURES SHALL BE STRICTLY FOLLOWED.
4. ALL 3/4" PLYWOOD SHOWN ATTACHED TO EXTERIOR OF WALLS TO WOOD STUDS SHALL BE NAILED @ MINIMUM OF 4 1/2" WITH 300 NAILS. PLYWOOD SHALL BE SET 50 PANELS FALL @ EVEN STUD SPACING. ALL PLYWOOD SHALL BE BLOCKED ON FREE ENDS AND NAILING PATTERN SHALL BE 4 1/2" IN BOTH DIRECTIONS.



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STATION #34**
BLUFF ROAD PRAIRIEVILLE, LA

map engineer:
CRUMB ENGINEERING
4609 FAIRFIELD STREET
METAIRIE, LA 70006
504.455.4450
civil engineer:
MR ENGINEERING & SURVEYING
9345 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.490.9592
structural engineer:
FORTE AND TABLADA
9107 INTERLINE AVENUE
BATON ROUGE, LA 70809
225.927.9321
other:

No.	Description	Date



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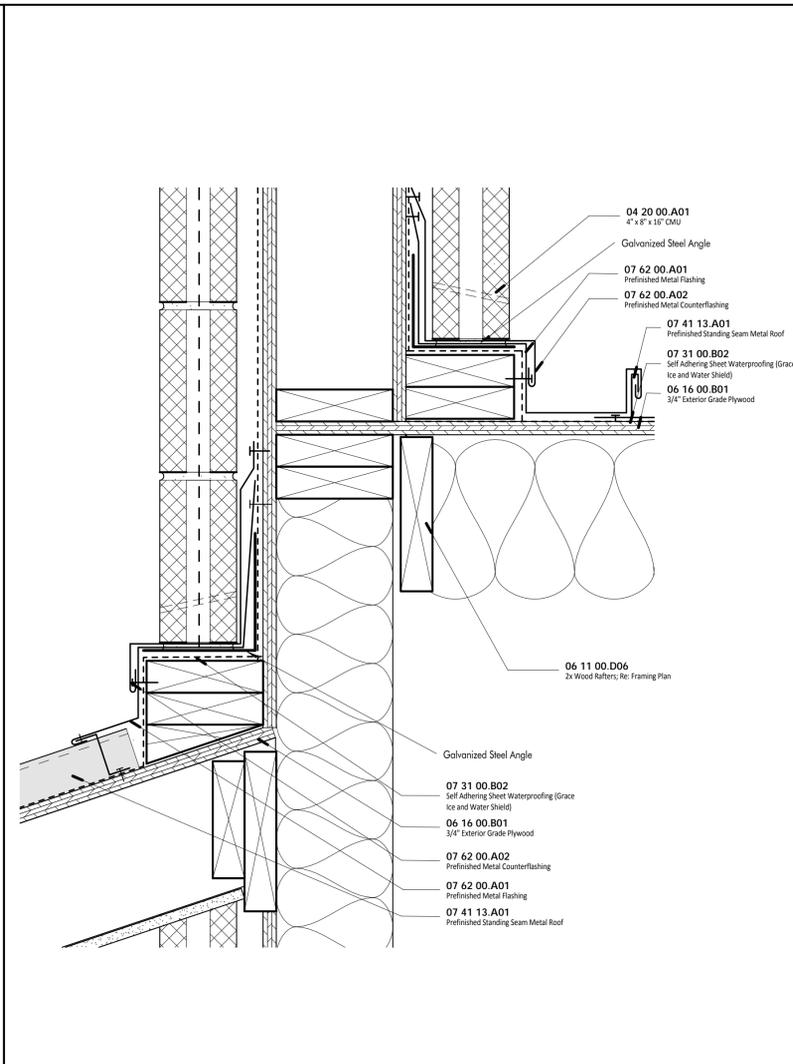
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revisions		
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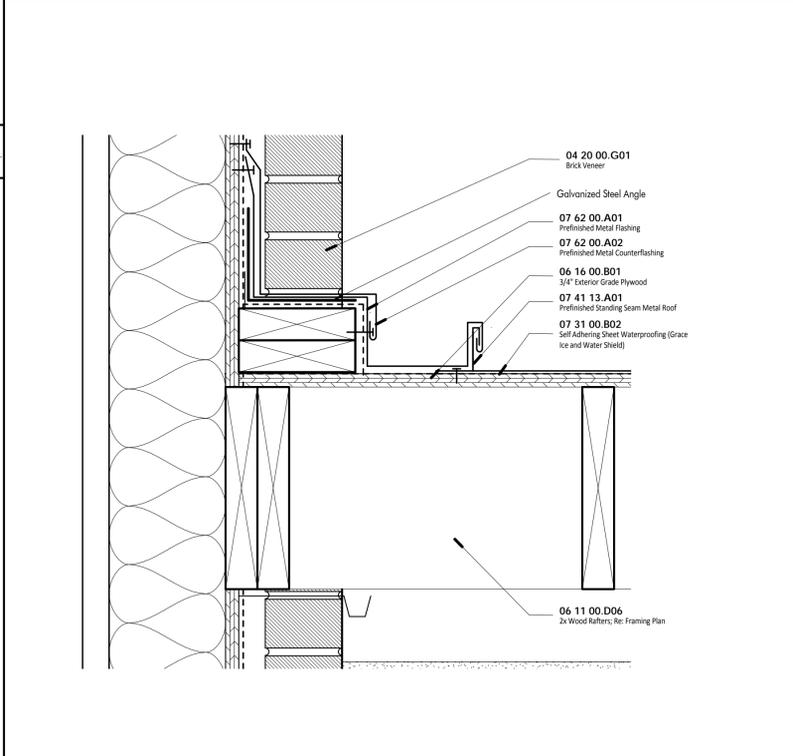
date
OCTOBER 9, 2015

sheet

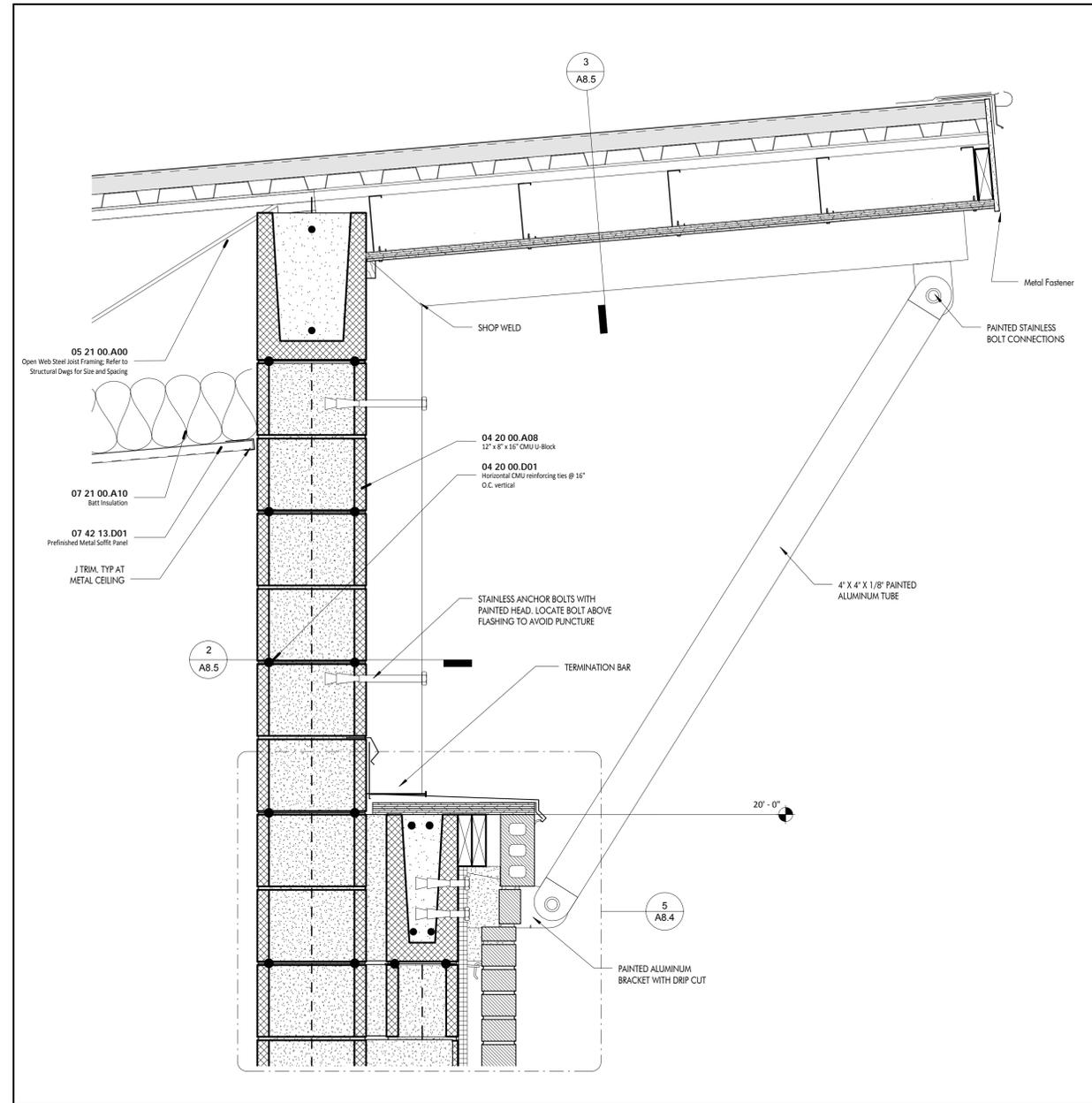
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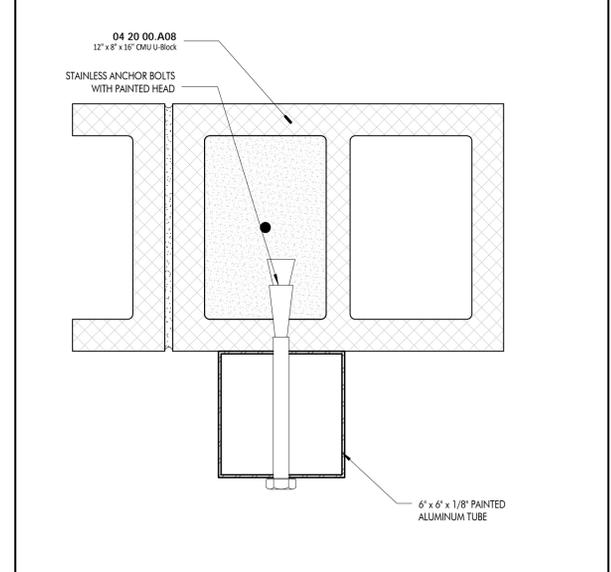
6 Back Porch Detail-CMU
3" = 1'-0"



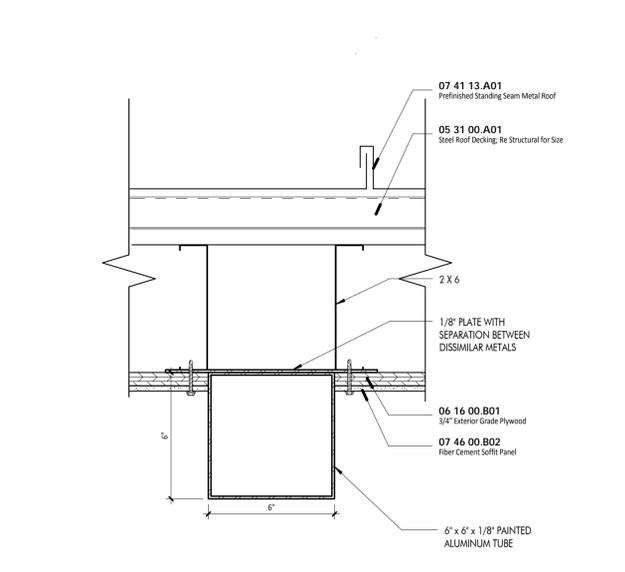
7 Entry Detail- Wood to Brick
3" = 1'-0"



1 Bracket Detail
1 1/2" = 1'-0"



2 Bracket Detail-To Wall
3" = 1'-0"



3 Bracket Detail-To Soffit
3" = 1'-0"

OCTOBER 9, 2015

PROJ. # - C15-0029



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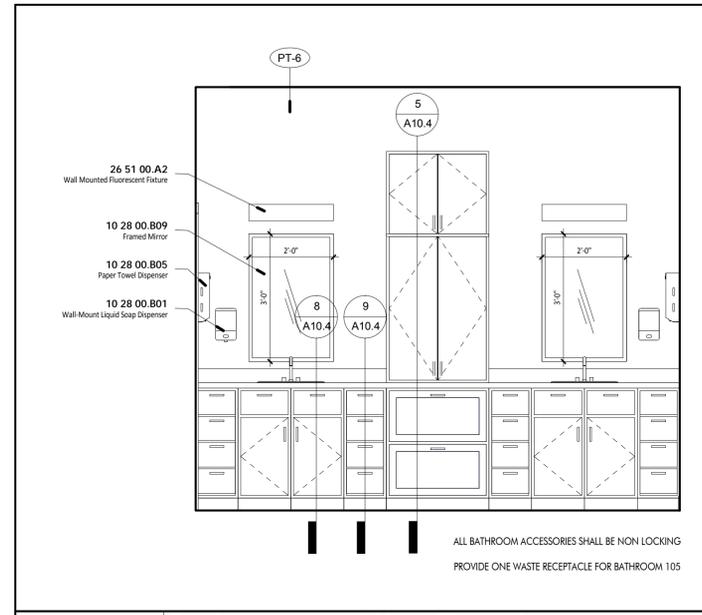
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mep engineer:
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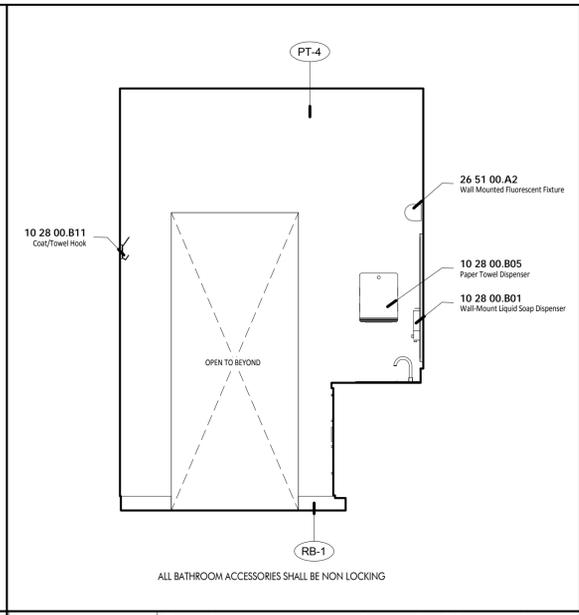
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No.	Description	Date

date
OCTOBER 9, 2015

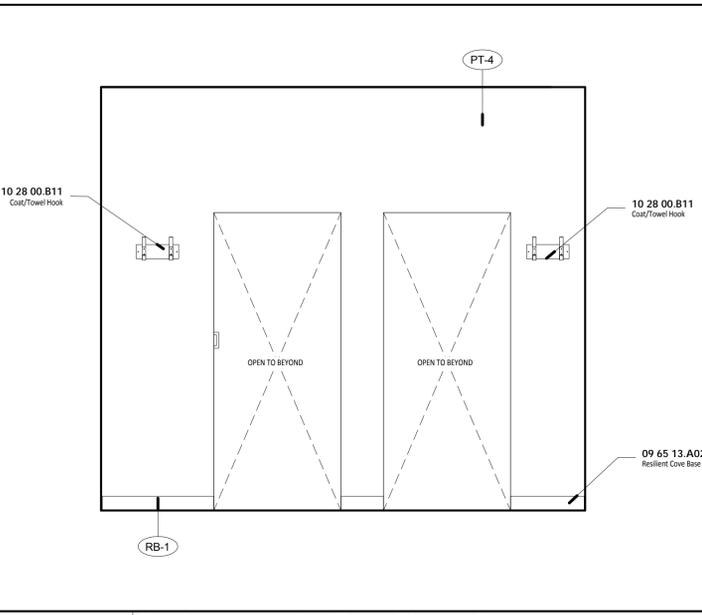
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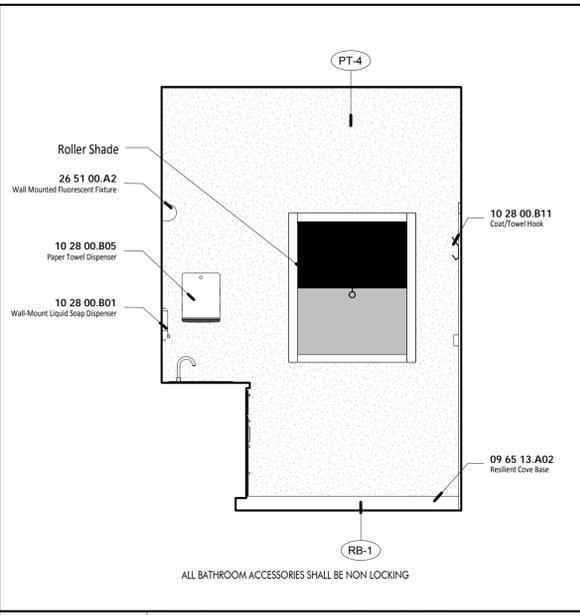
1 Bathroom 105 West Elevation
1/2" = 1'-0"



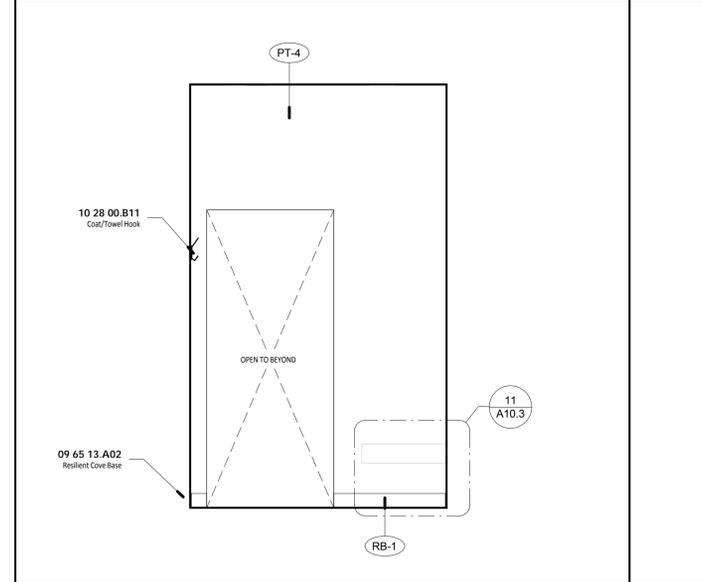
2 Bathroom 105 South Elevation
1/2" = 1'-0"



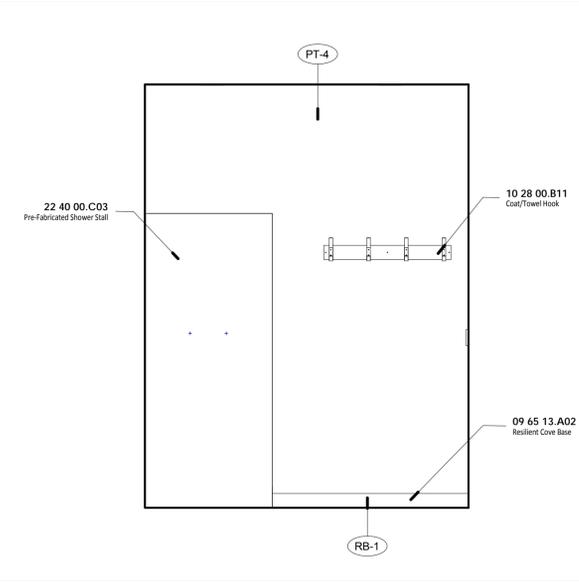
3 Bathroom 105 East Elevation
1/2" = 1'-0"



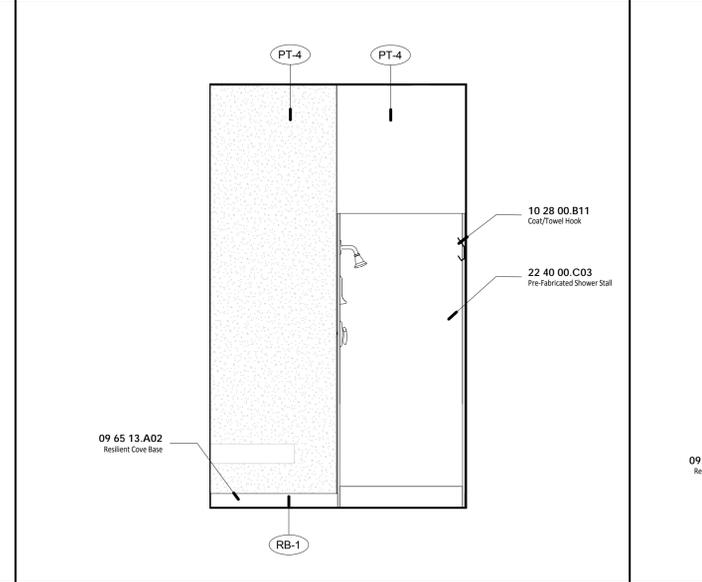
4 Bathroom 105 North Elevation
1/2" = 1'-0"



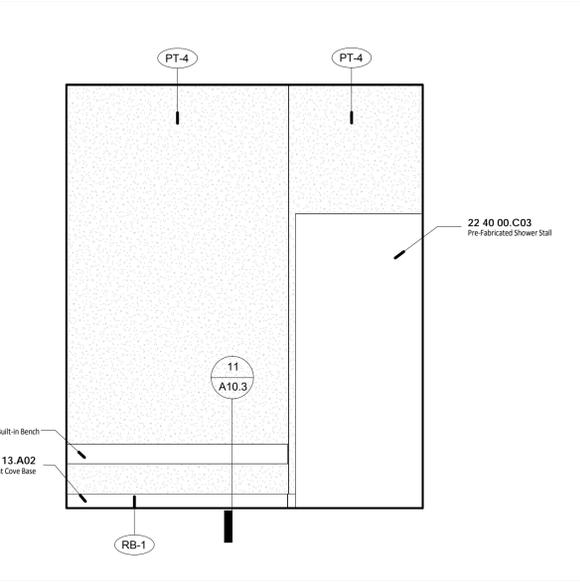
5 Shower 104 West Elevation
1/2" = 1'-0"



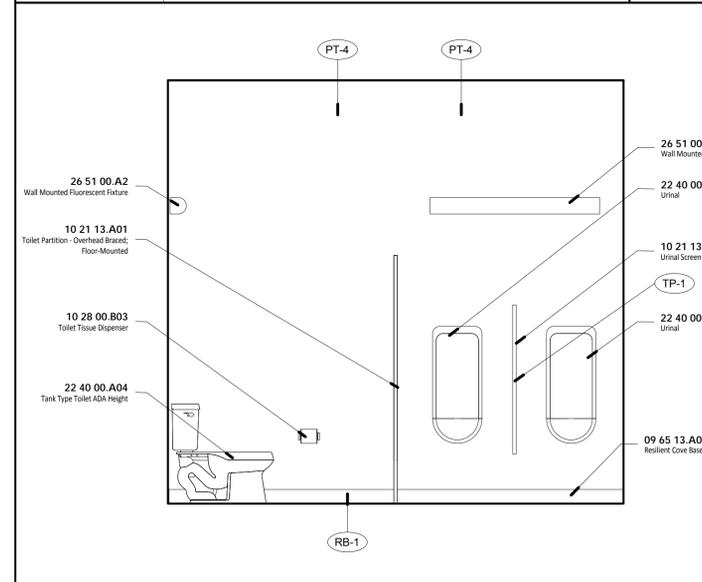
6 Shower 104 South Elevation
1/2" = 1'-0"



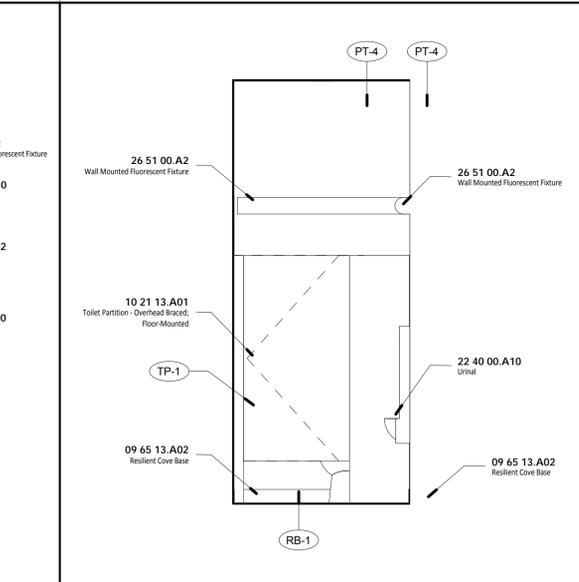
7 Shower 104 East Elevation
1/2" = 1'-0"



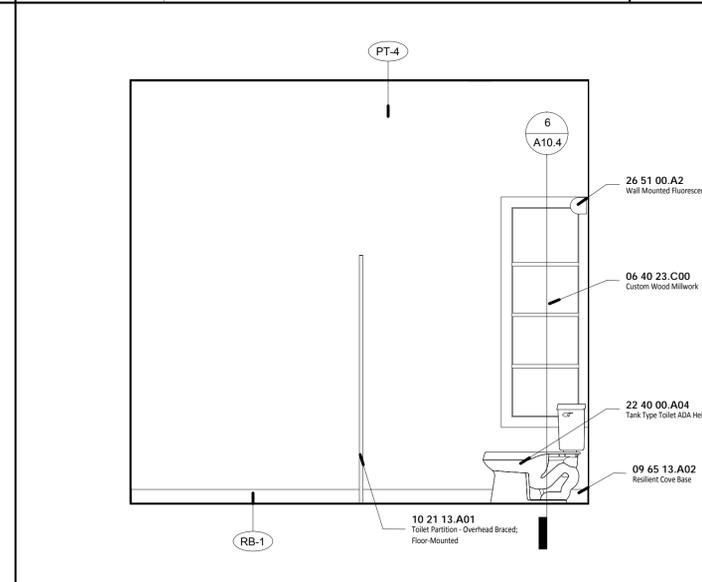
8 Shower 104 North Elevation
1/2" = 1'-0"



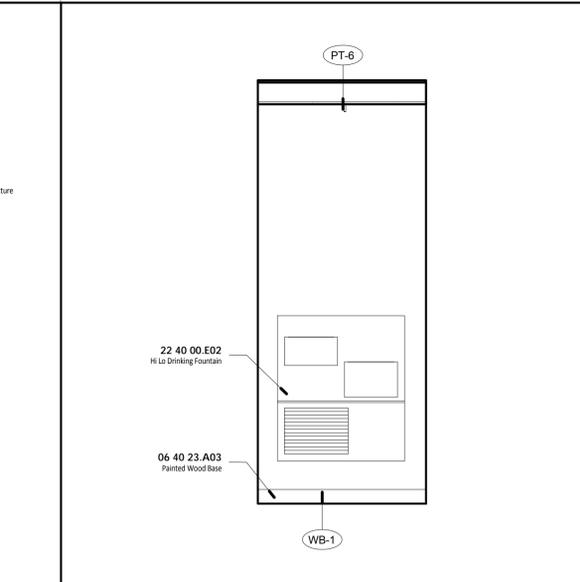
9 Toilet 103 South Elevation
1/2" = 1'-0"



10 Toilet 103 East Elevation
1/2" = 1'-0"



11 Toilet 103 North Elevation
1/2" = 1'-0"



12 Drinking Fountain Elevation
1/2" = 1'-0"

OCTOBER 9, 2015



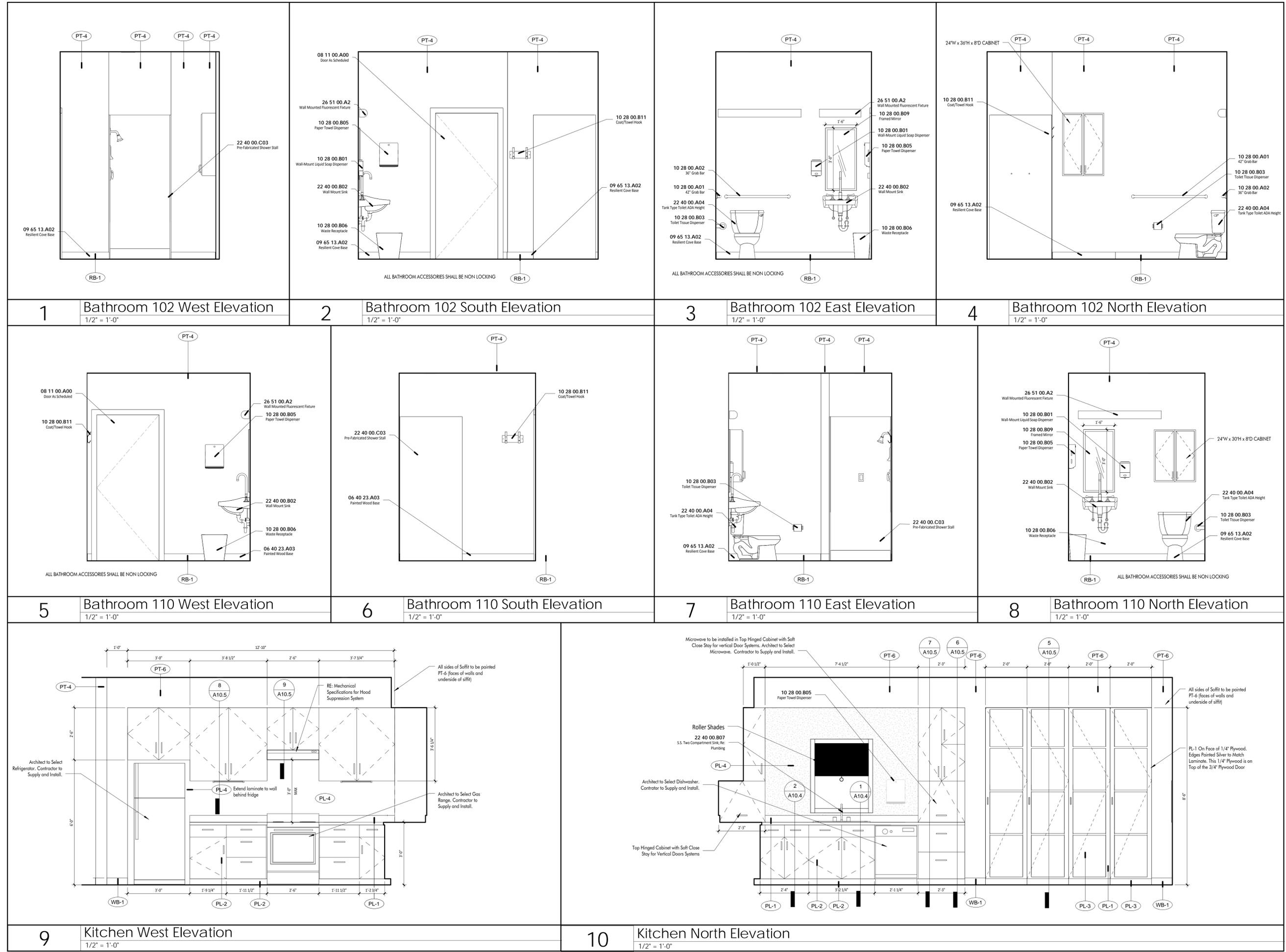
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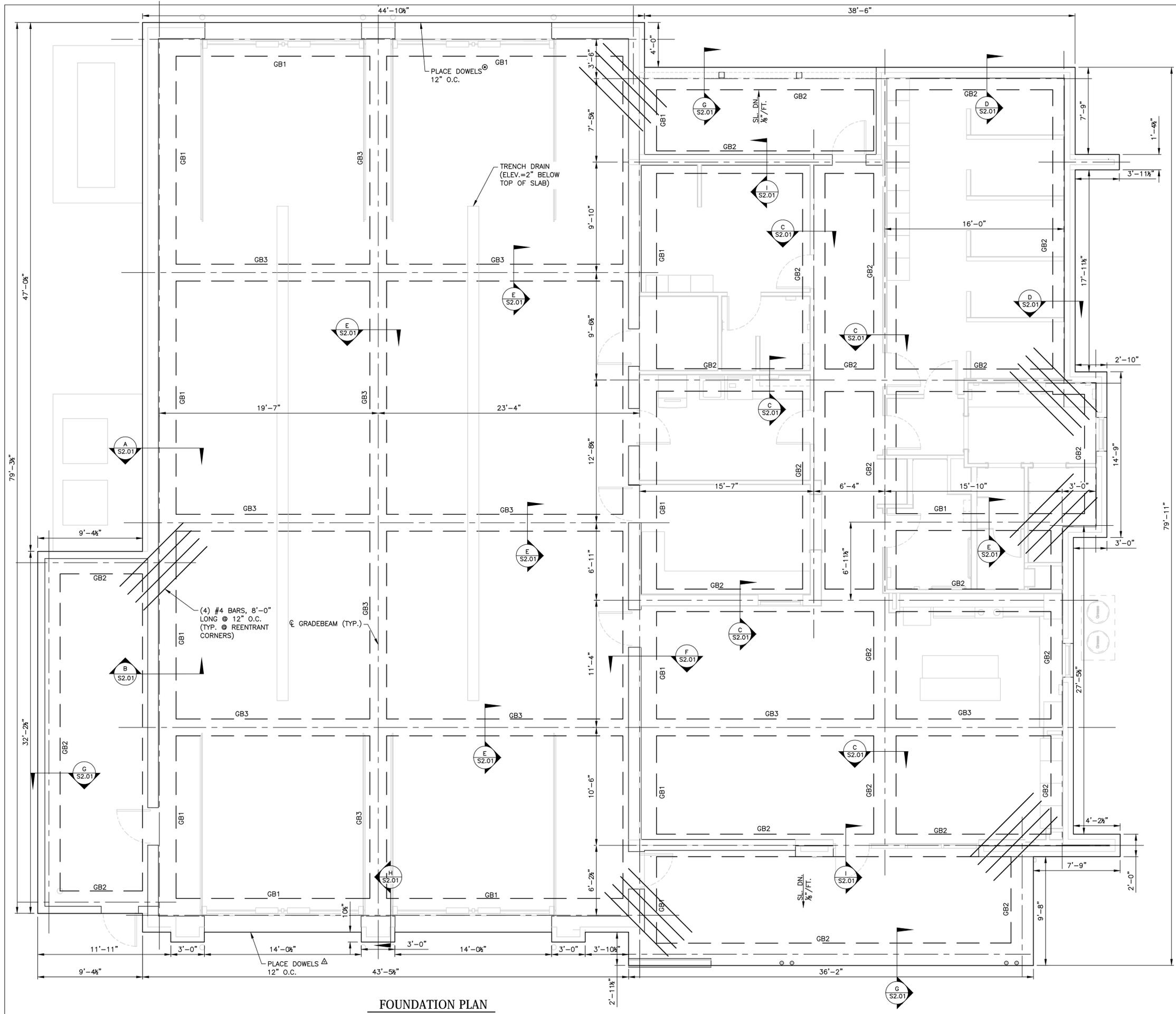
NEW CONSTRUCTION OF
**ASCENSION PARISH FIRE DISTRICT 3
STATION #34**
BLUFF ROAD PRAIRIEVILLE, LA

MEP engineer:
CRUMB ENGINEERING
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225.927.9321
other:

revisions		
No.	Description	Date

date
OCTOBER 9, 2015
sheet





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

NOTES:

REFER TO ARCHITECTURAL SHEETS FOR ADDITIONAL DIMENSIONS NOT SHOWN.

CONCRETE COVER SHALL BE 3" ALONG BOTTOM AND SIDES OF GRADE BEAMS AND FOOTINGS, 1" ALONG TOP OF SLAB, AND 1/2" ELSEWHERE.

SLOPE FLOORS TO DRAIN. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN LOCATIONS.

ALL EXPOSED EXTERIOR FOUNDATION SHALL HAVE A SMOOTH FORM FINISH.

PLACE #5 SMOOTH DOWELS @ 12" O.C. AT GARAGE DOOR OPENINGS. DOWELS SHALL BE 24" LONG WITH 12" EMBED INTO THE FOUNDATION.

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mep engineer:
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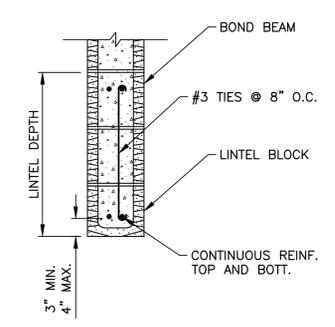
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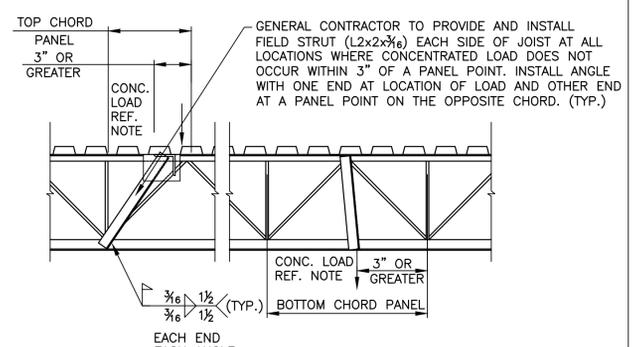
PROJ. #	revisions	date

date
10-09-15

LINTEL SCHEDULE		
MAX. SPAN/LINTEL	DEPTH	REINFORCEMENT
≤ 4'-0"	16"	2-#4 TOP & BOT.
≤ 6'-0"	16"	2-#4 TOP & BOT.
≤ 8'-0"	24"	2-#4 TOP & BOT.
GARAGE OPENING	32"	2-#6 TOP & BOT.



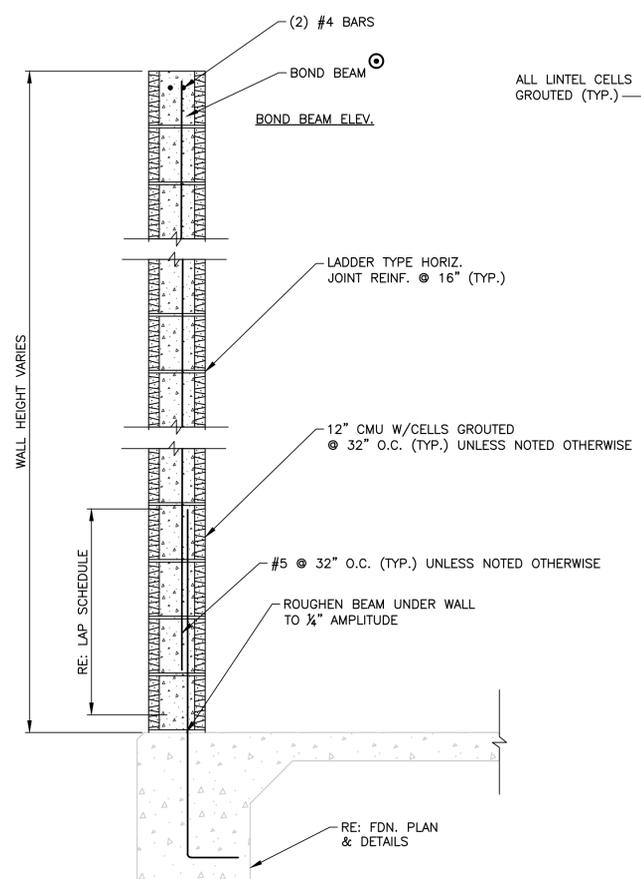
TYP. LINTEL DETAIL
SCALE: N.T.S.



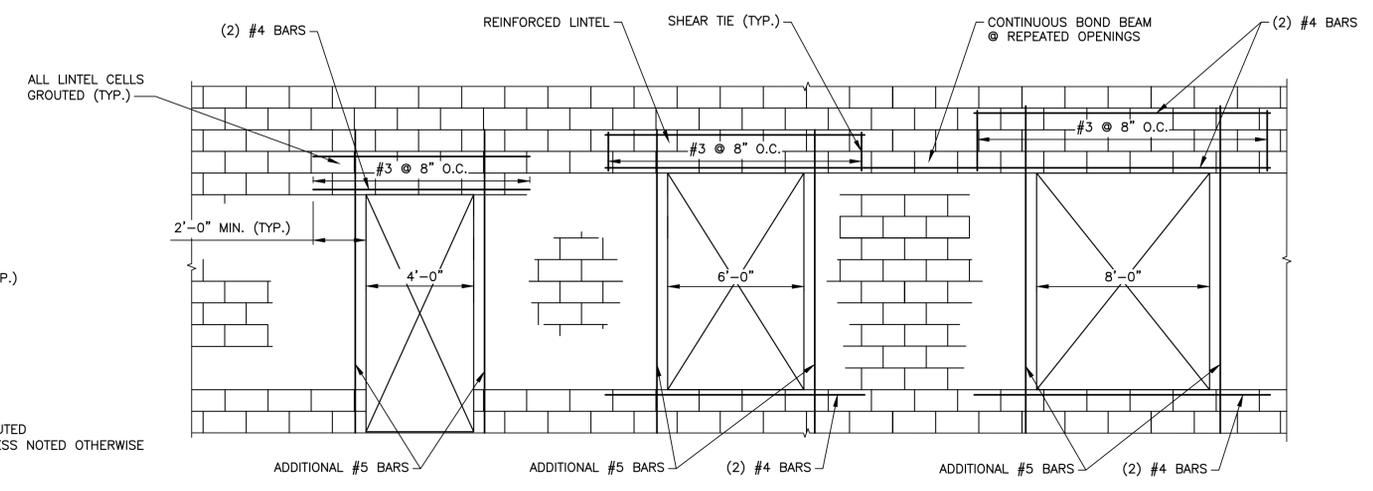
PROVIDE JOIST REINFORCING IN ACCORDANCE WITH THIS DETAIL FOR ALL CONCENTRATED LOADS EXCEEDING 100 POUNDS, WHERE MORE THAN ONE CONCENTRATED LOAD EXISTS WITHIN A CHORD PANEL AND THE SUM OF THOSE LOADS EXCEEDS 100 POUNDS, PROVIDE JOIST REINFORCING AS DETAILED SUCH THAT THE SUM OF THE LOADS WITHIN THE REMAINING UNSUPPORTED CHORD LENGTH DOES NOT EXCEED 100 POUNDS.

JOIST REINFORCING
SCALE: N.T.S.

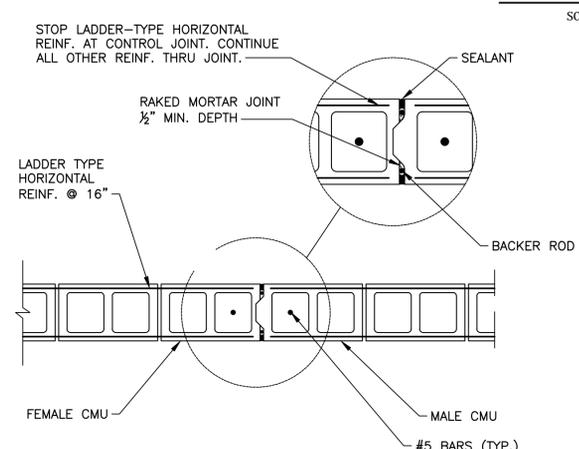
- NOTES:**
- K JOISTS SHALL HAVE A 3/8" DEEP SLOPED BEARING SEAT.
 - JOIST GIRDER SHALL HAVE A 7/8" DEEP BEARING SEAT.
 - CMU SHALL BE LIGHTWEIGHT AND HAVE A MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI.
 - CMU MORTAR SHALL BE TYPE S.
 - CMU GROUT SHALL BE PROPORTIONED IN ACCORDANCE WITH ASTM C 476 WITH A COMPRESSIVE STRENGTH OF NOT LESS THAN 2000 PSI.
 - REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
 - A CONTINUOUS BOND BEAM SHALL BE PROVIDED AT ELEVATION 7'-4", 14'-0" AND TOP OF WALL ON ALL WALLS. FOR WALLS THAT EXTEND TO THE ROOF LINE, A BOND BEAM SHALL BE SUPPLIED AT THE TOP OF WALL. CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
 - POST-INSTALLED FASTENERS SHALL NOT BE INSTALLED INTO THE CMU MORTAR JOINT.



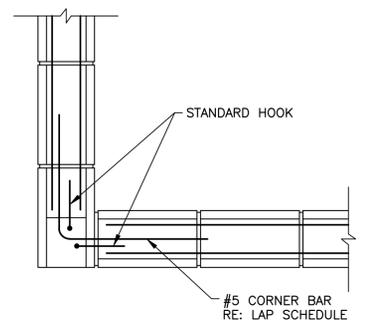
TYP. EXTERIOR CMU WALL SECTION
SCALE: N.T.S.



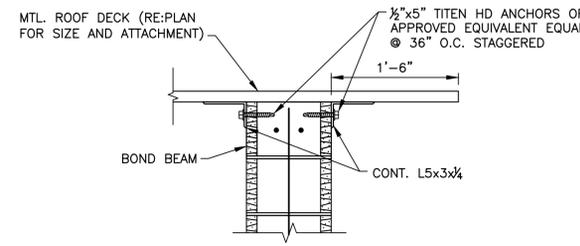
LINTEL SCHEDULE
SCALE: N.T.S.



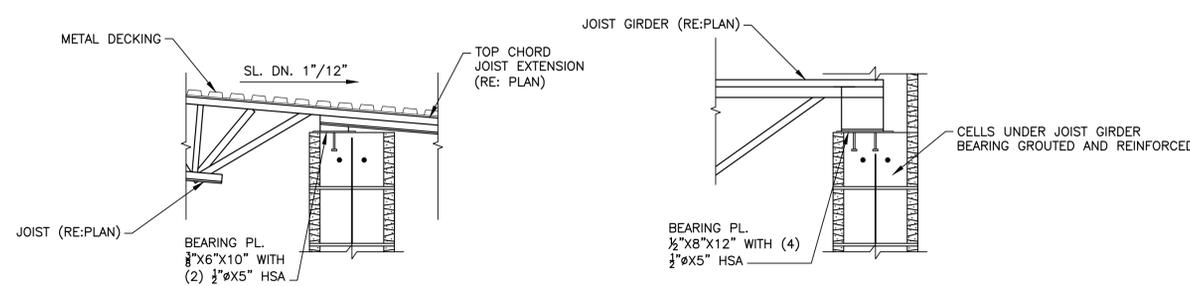
TYP. CONSTRUCTION JT.
SCALE: N.T.S.



TYP. CORNER DETAIL
SCALE: N.T.S.

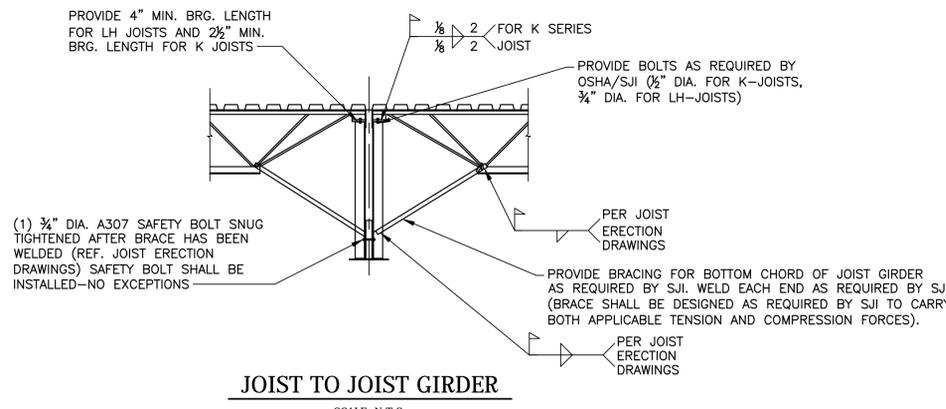


DECK OVER EXTERIOR WALL
SCALE: N.T.S.

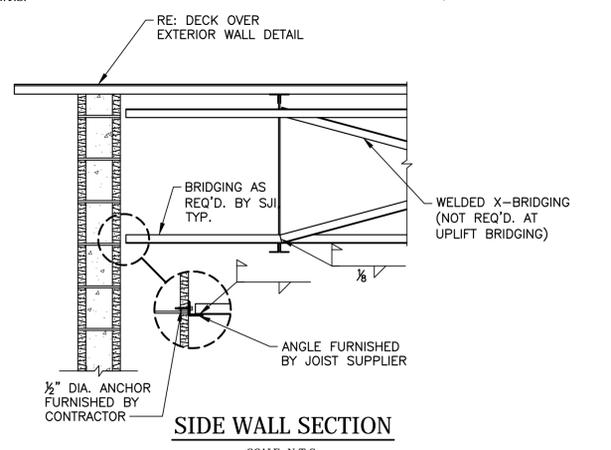


A | SECTION
SCALE: N.T.S.

B | SECTION
SCALE: N.T.S.



JOIST TO JOIST GIRDER
SCALE: N.T.S.



SIDE WALL SECTION
SCALE: N.T.S.



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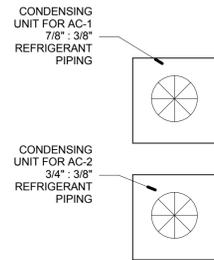
GENERAL NOTES THIS SHEET:

- DUCT SIZES SHOWN ARE FREE AREA SIZES. SEE SPECIFICATIONS FOR DUCT MATERIALS AND INSULATION.
- ALL DUCTWORK SHALL BE EXTERNALLY WRAPPED UNLESS NOTED OTHERWISE. INTERNALLY LINE ALL DUCTWORK FOR FIRST 5' OF SUPPLY AND RETURN FROM UNIT.
- PROVIDE VOLUME DAMPERS AT ALL TAPS INTO MAIN DUCT RUNS.
- NO FLEX DUCT RUN SHALL EXCEED 8 FEET.
- FLEX DUCT RUN OUTS TO DIFFUSERS SHALL BE SIZED SAME AS DIFFUSER NECK SIZE. FASTEN THE INNER HELIX AND OUTER JACKET OF FLEX DUCTS TO DIFFUSERS AND DUCTS WITH NYLON TIE WRAPS.
- PROVIDE FLEXIBLE CONNECTIONS AT SUPPLY AND RETURN CONNECTIONS TO AC UNITS.
- ALL NEW DUCTWORK SHALL BE RUN ABOVE CEILINGS IN ATTIC AND TIGHT TO STRUCTURE. COORDINATE WITH OTHER TRADES AND MAKE OFFSETS WHERE REQUIRED.
- PROVIDE ACCESS TO ALL EQUIPMENT, INCLUDING ACCESS PANELS WHERE REQUIRED.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE WALLS AND PROVIDE FIRE DAMPERS IN ALL RATED WALLS AND FLOORS. PROVIDE FIRE DAMPERS IN ALL OUTSIDE AIR INTAKES.

3 Typical HVAC Notes

SPECIFIC NOTES THIS SHEET:

- HEAT-VENT-LIGHT. SEE ELECTRICAL.
- AC UNIT MOUNTED IN ATTIC.
- 4" Ø SS FLUE THRU ROOF TO CAP AND JACK.
- 12" X 12" OUTSIDE AIR INTAKE ON ROOF. PROVIDE 1 1/2 HOUR FIRE DAMPER.
- ELBOW DUCT DOWN AND RUN BETWEEN PLYWOOD DECK AND CEILING.
- 4" Ø DRYER EXHAUST UP.
- 4" Ø DRYER EXHAUST THRU ROOF TO CAP AND JACK.
- AIR PURIFICATION UNIT. HANG FROM STRUCTURE. SEE SPECS FOR CONTROLLERS AND WIRING.
- EXHAUST HOOD. SEE SPECIFICATIONS. TRANSITION DUCT TO UNIT OPENING.
- VERTICAL CONCENTRIC VENT/ INTAKE KIT UP THRU ROOF WITH 3" Ø FLUE AND 3" INTAKE.



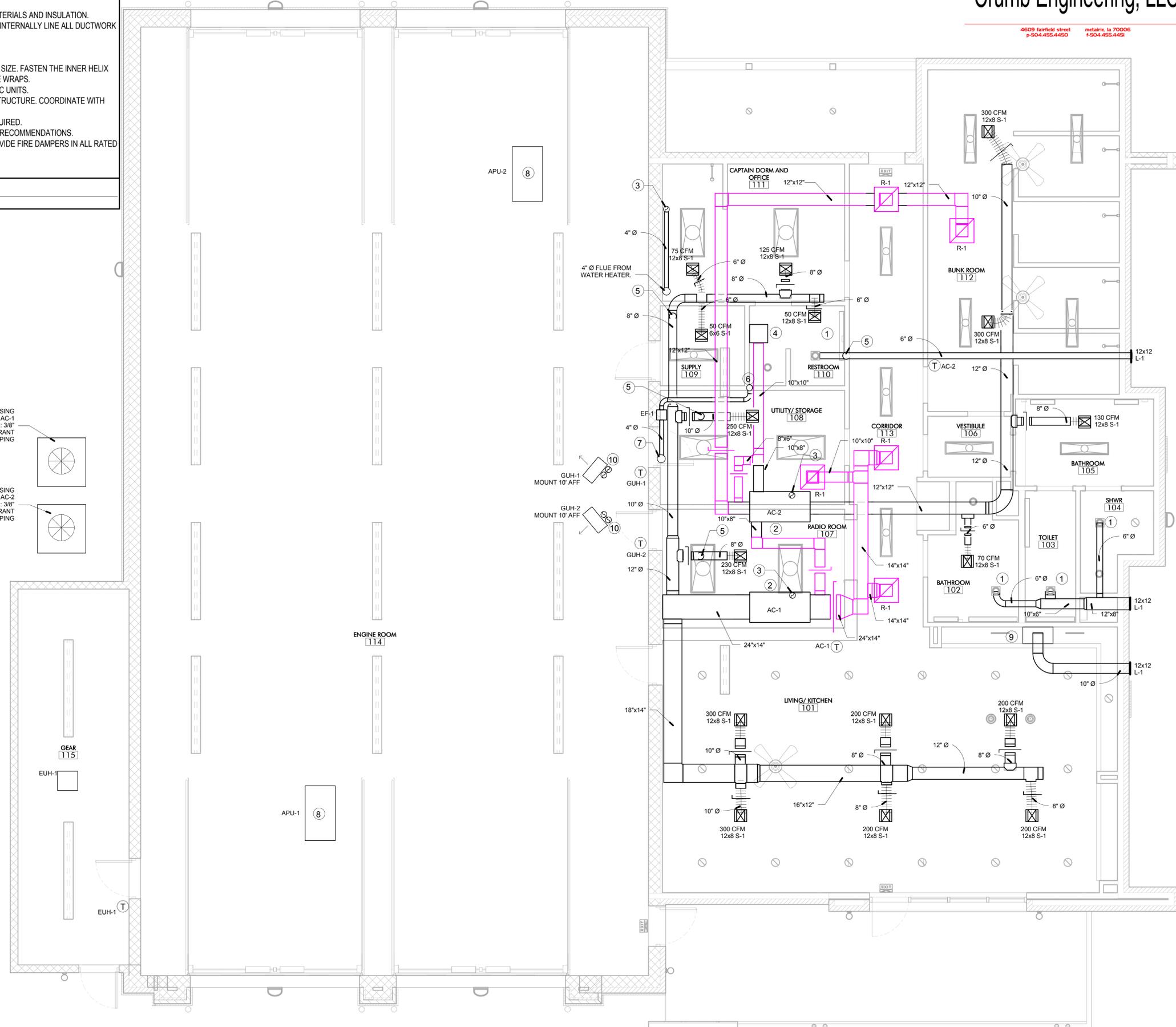
2 Notes

CONDENSING UNIT FOR AC-1
 7/8" - 3/8" REFRIGERANT PIPING

CONDENSING UNIT FOR AC-2
 3/4" - 3/8" REFRIGERANT PIPING

1 MECHANICAL PLAN

1/4" = 1'-0"



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other:

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sheet
M1.1

A/C		UNIT										SCHEDULE	
MARK	NOMINAL COOLING BTUH	HEATING CAP. BTUH	OUTSIDE AIR CFM	EXT. S.P. IN W.C.	CAPACITY				COND.		UNIT		DESCRIPTION
					EVAP. CFM	H.P.	VOLTS	PH.	FLA.	VOLTS	PH.		
AC-1	60000	110000	250	0.5	2080	1.0	120	1	24.3	208	1	HORIZONTAL 80% EFF VARIABLE SPEED GAS FIRED FURNACE WITH COOLING COIL AND 2 SPEED CONDENSING UNIT CARRIER 58CVA 110-20 / 24APAT90	
AC-2	24000	70000	100	0.5	800	0.5	120	1	11.0	208	1	HORIZONTAL 80% EFF VARIABLE SPEED GAS FIRED FURNACE WITH COOLING COIL AND 2 SPEED CONDENSING UNIT CARRIER 58CVA 070-12 / 24APAT24	

EXHAUST		FAN					SCHEDULE
MARK	CFM	EXT. S.P.	MOTOR		DATA		DESCRIPTION
			WATTS	VOLTS	PHASE	RPM	
EF-1	167	0.25	83W	120	1	-	INLINE DRYER EXHAUST BOOSTER FAN WITH 5-YEAR WARRANTY, INLINE PRESSURE SWITCH, CORD, AND WALL MOUNTED LED CONTROLLER. WIRE TO CONTROLLER AND PRESSURE SWITCH FANTECH MODEL DBF4XL1

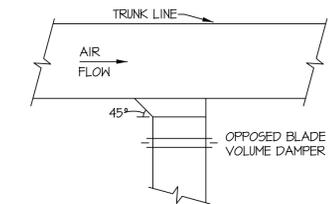
DIFFUSER		GRILLE		&		REGISTER		SCHEDULE
MARK	DESCRIPTION							
L-1	EXTRUDED ALUMINUM 2" DEEP THINLINE COVER WITH KYNER FINISH AND INSECT SCREEN. RUSKIN MODEL ELF211							
S-1	DOUBLE DEFLECTION ALUMINUM SIDEWALL REGISTER WITH 3/4" BLADE SPADE SPACING AND FRONT BLADES PARALLEL TO SHORT DIMENSION. TITUS MODEL 300FL							
R-1	ALUMINUM PERFORATED RETURN GRILLE WITH 2x2' MODULE SIZE FOR SURFACE MOUNT CEILING, 18"x18" DUCT OPENING. TITUS MODEL PAR							

- NOTES:
1. FRAME AROUND R-1 RETURN GRILLES AS REQUIRED FOR LARGER THAN JOIST OPENING.
2. FINISH TO BE DETERMINED BY ARCHITECT.

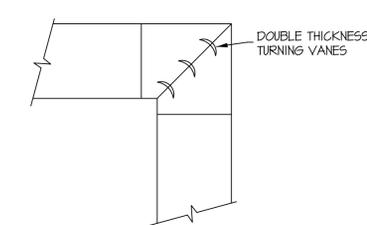
ELECTRIC		UNIT		HEATER		SCHEDULE	
MARK	LOCATION	CFM	MOTOR		DATA		DESCRIPTION
			WT	FAN H.P.	VOLTS	PH	
EUH-1	STORAGE	100	750	-	120	1	CEILING RECESSED ELECTRIC HEATER WITH THERMOSTAT AND GRILLE APPROXIMATE SIZE 13" X 10" X 4"

GAS		FIRED		UNIT		HEATER		SCHEDULE	
MARK	SERVICE	BTUH INPUT	CFM	MOTOR H.P.	VOLTS	PH	DATA RPM	FLUE DIA.	DESCRIPTION

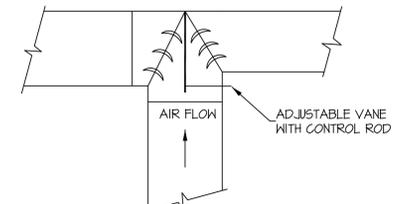
MECHANICAL		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	COLD WATER	RAG	RETURN AIR GRILLE
---	HOT WATER	RD	ROOF DRAIN
---	HOT WATER CIRCULATING	(TYP)	TYPICAL
---	VENT	VTR	VENT THRU ROOF
SS	SANITARY SEWER	VD	VOLUME DAMPER
SD	STORM DRAIN	DF	DRINKING FOUNTAIN
CO	CLEAN OUT	CONN.	CONNECTION
CFM	CUBIC FEET PER MINUTE	O/A	OUTSIDE AIR
CW	COLD WATER	(P)	PLUMBING RISER DIAGRAM
HW	HOT WATER	(X)	GATE VALVE
CLG.	CEILING	(Z)	CHECK VALVE
DN	DOWN	(V)	VALVE IN VERTICAL RISE
EF	EXHAUST FAN	(U)	UNION
FD	FLOOR DRAIN	(D)	FLOOR DRAIN
HB	HOSE BIBB	(B)	HOSE BIBB
RA	RETURN AIR	(T)	AIR CHAMBER (10" HIGH PIPE)
(B)	BALL VALVE	(W)	FLEX DUCT
(T)	THERMOSTAT	(L)	VOLUME DAMPER
(GL)	GREASE LINE	(G)	GAS PIPING



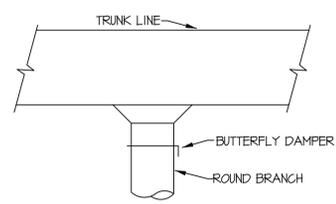
RECTANGULAR BRANCH DUCT TAKE-OFF



90° ELBOW

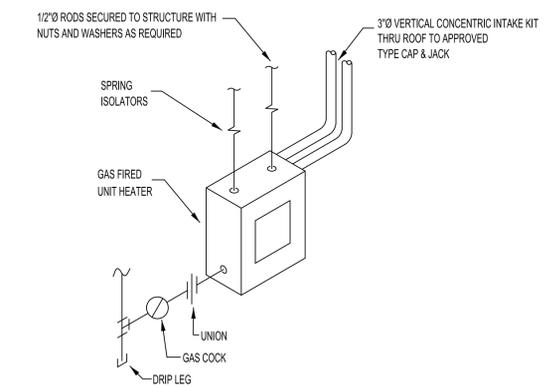


SPLITTER DAMPER

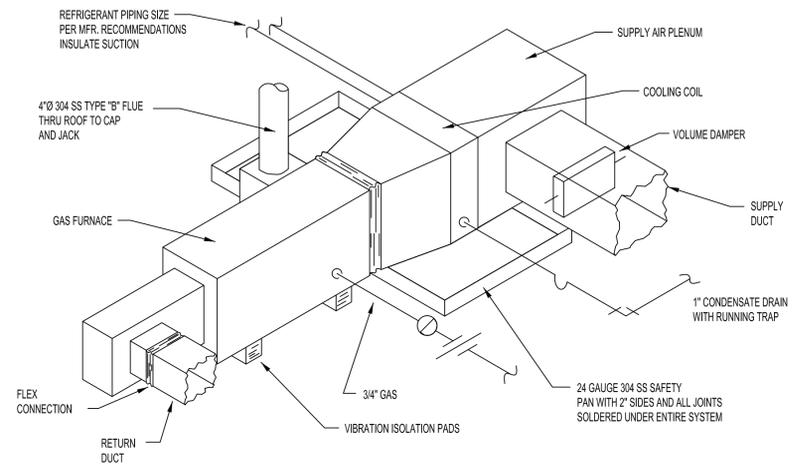


ROUND BRANCH DUCT TAKE-OFF

DUCT DETAILS
NO SCALE

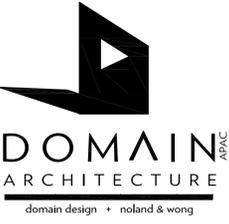


GAS FIRED UNIT HEATER DETAIL
NO SCALE



TYPICAL A/C UNIT INSTALLATION DETAIL
NO SCALE

Mechanical Schedules & Details



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M1.2



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MARK	FIXTURE	WASTE	HW	CW	DESCRIPTION
P1	TOILET	4"	--	1/2"	ADA TOILET - ELONGATED BOWL - OPEN FRONT SEAT ZURN Z5560
P2	URINAL	1 1/2"	--	1/2"	KOHLER WALL HUNG ADA URINAL K-4960-ET BARDON SUPERIOR 0.5-1 GPF
P3	LAV	1 1/2"	1/2"	1/2"	KOHLER ADA WALL-MOUNT LAVATORY K-2035 FINOIR
P3-A	FAUCET				KOHLER TRITON K-7313-K WITH WRISTBLADE LEVER HANDLES
P4	LAV	1 1/2"	1/2"	1/2"	KOHLER SELF RIMMING CERAMIC LAVATORY WITH 8" CENTERS KOHLER K-2211
P4-A	FAUCET				KOHLER TRITON K-7313-K WITH WRISTBLADE LEVER HANDLES
P5	SHOWER	2'	1/2"	1/2"	36 X 36 PREFABRICATED SHOWER STALL WITH FAUCET-OPEN TOP AQUAGLASS 613638BC
P5-A	SHOWER SYSTEM				KOHLER CORALAIS K-115601
P6	WATER FOUNTAIN	1 1/2"	--	1/2"	ADA ELECTRIC WATER COOLER WALL MOUNT-TWO STATION ELKAY WATER COOLER MODEL EZSLBC
P7	SERVICE SINK	3'	1/2"	1/2"	DROP IN LAUNDRY TUB SWAN CORPORATION DIT
P7-A	FAUCET				KOHLER TREND K-11935-U
P8	KITCHEN SINK	1 1/2"	1/2"	1/2"	DOUBLE BASIN STAINLESS STEEL SINK ELKAY LUSTERTONE DLR331910
P8-A	FAUCET				DELTA 21987LF
FD	FLOOR DRAIN	3"	--	--	FLOOR DRAIN WITH GRATE AND TRAP PRIMER
WM	WASHING MACHINE	2'	1/2"	1/2"	METAL BOX WITH DRAIN, HOT WATER AND COLD WATER HOSE BIBBS

1 Plumbing Schedule

GENERAL NOTES THIS SHEET:

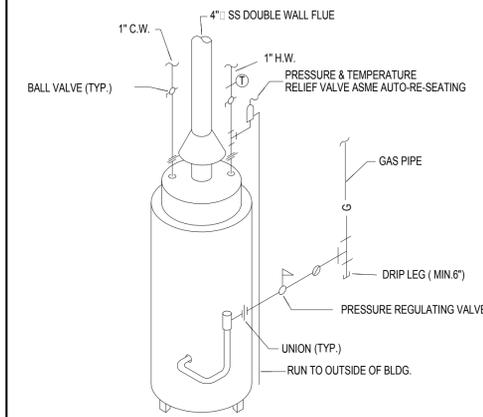
- ALL SEWER PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE.
- VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
- PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
- INSULATE HORIZONTAL RUN OF WASTE PIPING RECEIVING A/C CONDENSATE.
- ALL COLD WATER, HOT WATER, AND HOT WATER RE-CIRCULATING PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
- ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
- PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
- PROVIDE INSULATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
- MINIMUM VENT THRU ROOF SHALL BE 2'.
- ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE. CENTER FIXTURES WHERE APPLICABLE. FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
- ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
- PLUMBING SHALL CONFORM TO THE LOUISIANA STATE PLUMBING CODE.
- SEE P1.2 FOR PLUMBING RISERS.

2 Plumbing Notes

SPECIFIC NOTES THIS SHEET:

- TRAP PRIMER IN WALL WITH ACCESS PANEL. SEE DETAIL ON P1.2.
- 1/2" TRAP PRIMER LINE U.G. TO FLOOR DRAIN.
- 3/4" GAS WITH GAS COCK, UNION, AND DRIPLEG.
- 750 CFH GAS METER WITH 6 OZ DISCHARGE PRESSURE. COORDINATE WITH GAS SERVICE PROVIDER.
- JR SMITH MODEL 8550-H20-F-C, 50 GPM OIL INTERCEPTOR WITH SEDIMENT BUCKET. SEE P1.2.
- 1" CONDENSATE DRAIN WITH RUNNING TRAP TO HUB DRAIN. INSULATE.
- 3/4" CW WITH FILTER TO ICE MACHINE. PROVIDE WALL BOX AND SHUT OFF VALVE.
- 3/4" GAS WITH GAS COCK, UNION, AND DRIPLEG TO STOVE. PROVIDE GAS SOLENOID VALVE AND WIRE TO ANSUL SYSTEM.

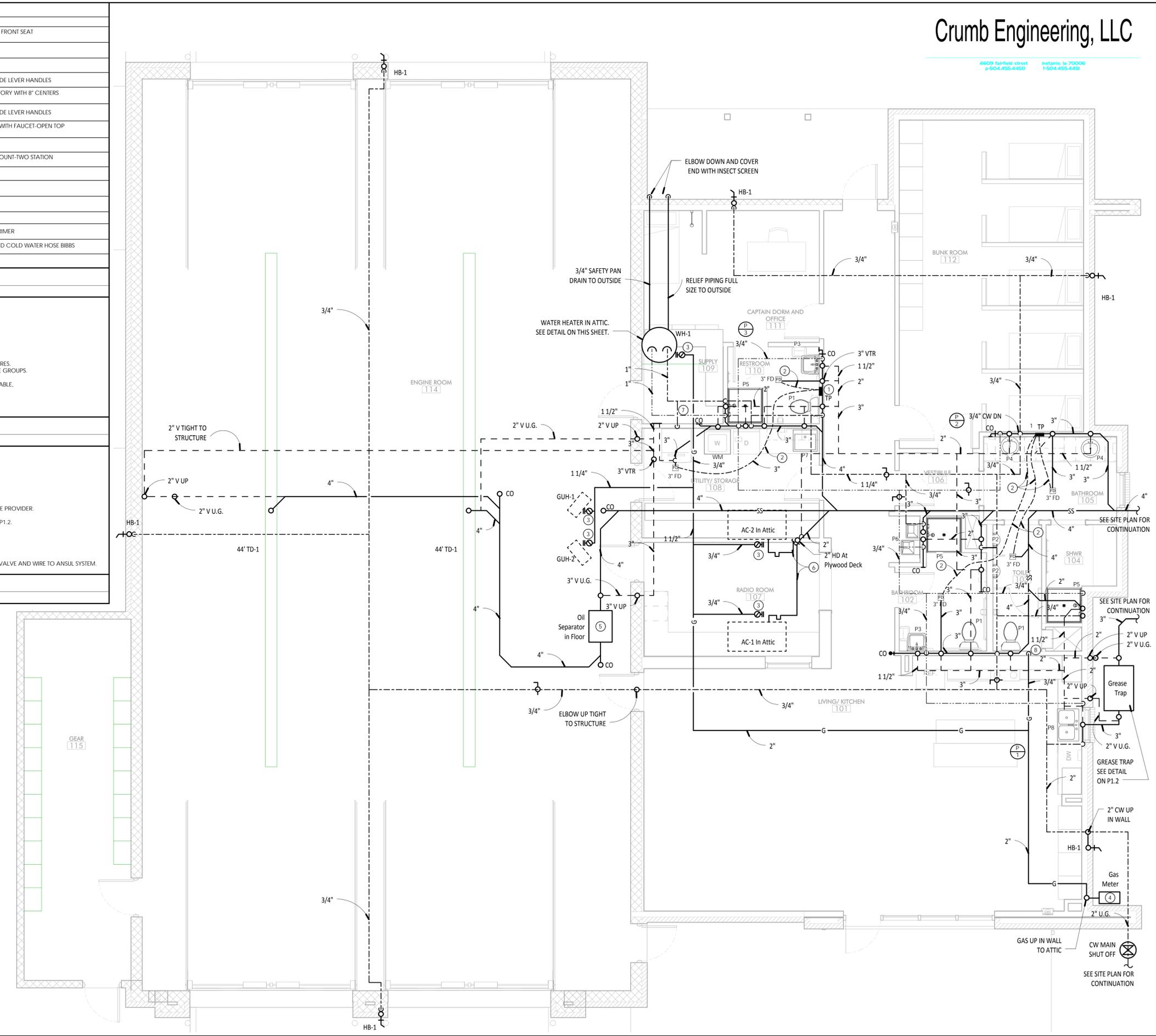
3 P1.1 Notes



NOTE: WATER HEATER SHALL BE 75,000 BTUH INPUT, 75 GALLON STORAGE, 75 GPH RECOVERY AT 90°F RISE, INSULATED TANK MEETING ASHRAE 90.1 REQUIREMENTS WITH 8 YEAR TANK AND PARTS WARRANTY. RHEEM RHG-PRO75F OR EQUAL.

GAS WATER HEATER DETAIL
NO SCALE

4 Gas Water Heater Detail



5 PLUMBING PLAN
1/4" = 1'-0"

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STATION #34**

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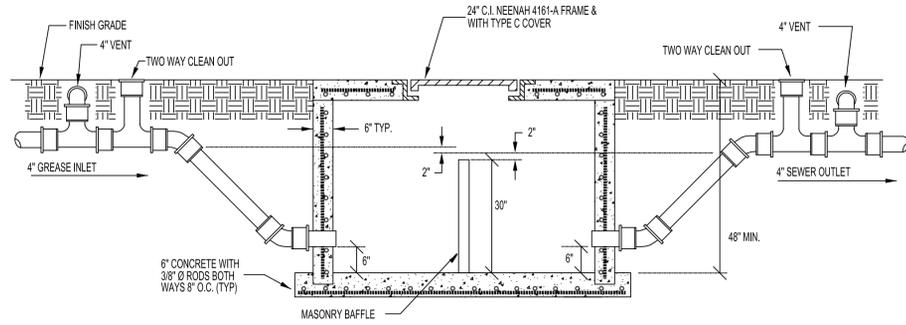
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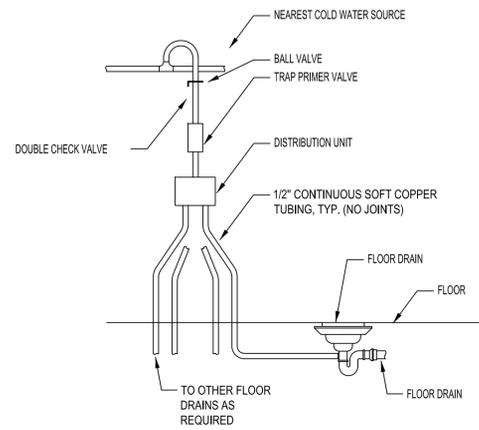
P1.1



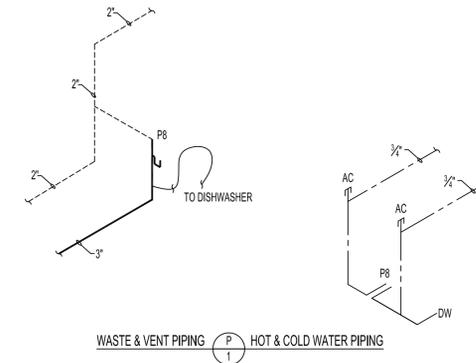
GREASE TRAP DETAIL
NO SCALE

NOTES:

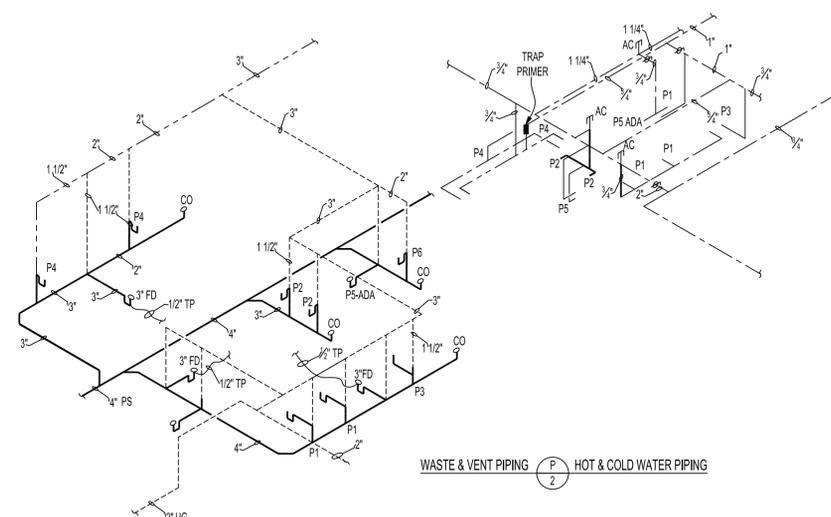
1. MINIMUM SIZE SHALL BE 500 GALLONS.
2. MANHOLE COVER AND CLEANOUTS SHALL BE LOCATED AWAY FROM WALKING AREAS.
3. EXTEND COVER AND CLEANOUTS TO GRADE. USE BRICK OR PRE-CAST CONCRETE COLLAR.
4. PROVIDE 2" COMPACTED SAND BED AT BOTTOM OF GREASE INTERCEPTOR.
5. AT CONTRACTOR'S OPTION PRECAST GREASE TRAP MAY BE USED.



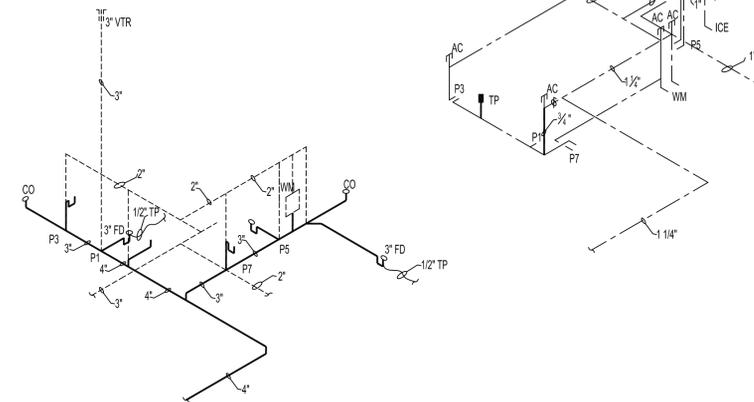
TRAP PRIMER DETAIL
NO SCALE



WASTE & VENT PIPING P 1 HOT & COLD WATER PIPING



WASTE & VENT PIPING P 2 HOT & COLD WATER PIPING



WASTE & VENT PIPING P 3 HOT & COLD WATER PIPING

SMITH® JAY R. SMITH MFG. CO.®
DIVISION OF SMITH INDUSTRIES, INC.
POST OFFICE BOX 3387
MONTROSE, LA 70561
TEL: 884-277-8552 FAX: 884-272-7998 www.jrsmith.com

LOCATION

OIL INTERCEPTORS

FUNCTION: Used in service stations, parking garages, and industrial plants where discharged water contains oil and sediment. Interceptor collects oil and conveniently permits the collected oil to be drained to a storage tank by means of an adjustable gravity draw-off connection. Sediment and chips are collected in sediment bucket and should be periodically removed. Interceptors should not be located directly in traffic areas. If required, specify extra heavy duty traffic cover.

Fig. 8510 Shown

(2) 3/8" NPT Vent Connections (1 On Each Side) Plugs Not Furnished.

NOTE: Interceptor shall be vented on outlet side per local code requirements.
NOTE: It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.
NOTE: 2"(51) must be added to dimension D and F when extension is specified for clearance of extension clamps.

PCN/ Fig. No.	GPM Flow Rate	Dimensions										
		Roughing Dimensions				Body		C.O. Plug Size				
A*	B	C	D	E	F	G	J	K	L	M		
8510	10	02(50)	9 1/2(240)	3 3/4(85)	21 1/4(540)	13 1/4(335)	11 1/2(280)	2(81)	9 1/2(240)	12(305)	4(100)	9 3/4(250)
8515	15	02(50)	12(305)	3 1/2(89)	25(635)	15 1/2(395)	13 1/2(345)	2(81)	10 1/4(260)	14 1/4(360)	5 3/4(145)	12(305)
8520	20	03(75)	13(330)	4(100)	28 1/2(725)	17(430)	15 3/4(400)	2(81)	12(305)	16 1/2(420)	4 1/2(115)	13 1/2(345)
8525	25	03(75)	15 1/4(390)	4 1/2(115)	30(760)	19 3/4(500)	16 3/4(425)	2(81)	12 3/4(325)	18 3/4(475)	6 1/4(160)	16 1/4(415)
8535	35	03(75)	16(405)	5(125)	32 1/2(825)	21(535)	18 1/4(465)	2(81)	14 1/2(370)	21 1/4(540)	7(180)	17 1/2(445)
8550	50	03(75)	17 1/2(445)	6 3/4(170)	35 1/2(825)	24 1/4(615)	20 3/4(525)	2(81)	16(405)	22(560)	7 1/2(190)	20 3/4(525)

*Available with larger inlet and outlet when specified.

REGULARLY FURNISHED:
Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.

2"(51) min. extension available. Anchor flange & flashing clamp not available on less than 4"(100) extension.

VARIATIONS:
 Anchor Flange -F (Flange available with extension only)
 Traffic Rated Cover-H20
 Flashing Flange and Clamp -F-C
 NO-HUB Adaptor (4) Req'd (Specify Fig. 2948Y)
 Steel Extension -E (Specify Height eg: -E12 For 12"(305) Ext)

OPTIONAL MATERIALS:
 Acid Resistant Coating Inside - ARI
 Acid Resistant Coating Outside - ARO
 Acid Resistant Coating Inside and Outside - ARIO
 Aluminum Cover -AC

REV.	DATE	DESCRIPTION	BY	CHK. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
J	5-5-06	Revised Drawing & Note	RN	CL			8510
H	2-3-05	Revised Variations	RN	CL			
G	12/03/03	Added M Column to Table	AJ	CL			
F	4/2/01	Changed Table	RN	CL			

OIL INTERCEPTOR - JR SMITH MODEL 8550-F20-HC OR EQUAL
NO SCALE

Plumbing Details

www.domain-dsgn.com
8316 kelwood avenue
baton rouge, la 70806
225.216.3770 ph
225.216.3771 fax



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NEW CONSTRUCTION OF
**ASCENSION PARISH FIRE DISTRICT 3
STATION #34**
BLUFF ROAD PRAIRIEVILLE, LA

mep engineer:
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civil engineer:
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structural engineer:
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225.927.9321
other:

revisions		
No.	Description	Date

date
October 9, 2015

sheet



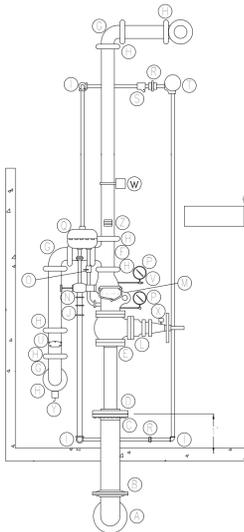
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FIRE PROTECTION GENERAL NOTES:
THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, 24 AND 101 REQUIREMENTS.
THE CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH ALL DISCIPLINES TO IDENTIFY INTERFERENCES PRIOR TO PREPARATION OF FINAL LAYOUT OF DESIGN AND SHOP DRAWINGS.
THE CONTRACTOR SHALL SIZE ALL PIPES HYDRAULICALLY IN ACCORDANCE WITH NFPA-13 BASED ON ACTUAL ROUTING OF THE SYSTEM AND SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. SUBMITTAL SHALL INCLUDE SPRINKLER SYSTEM COMPONENTS, PIPE LAYOUT DRAWINGS, PIPE SIZES AND HYDRAULIC CALCULATIONS.
THE CONTRACTOR SHALL PERFORM THE FINAL DESIGNS, PREPARE LAYOUT AND FABRICATION DRAWINGS AND DETAILS FOR THE SPRINKLER SYSTEM IN ACCORDANCE WITH APPLICABLE NFPA CODES, AND MEET THE REQUIREMENTS OF THE STATE FIRE MARSHAL, PROPERTY INSURANCE ASSOCIATION OF LOUISIANA AND ALL OTHER AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF DESIGN AND OPERATION OF THE SPRINKLER SYSTEM.
PIPE RACKS, CONDUIT BANKS, OVERHANGS, UNDER HANGS, AND DUCTWORK OVER 4" IN WIDTH SHALL REQUIRE SPRINKLER HEADS TO BE INSTALLED BOTH ABOVE AND BELOW. CONTRACTOR SHALL CONFORM TO NFPA-13 REQUIREMENTS. WHERE PIPING IS EXPOSED, PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE.
THE SPRINKLER SYSTEM SHALL BE ARRANGED FOR FLUSHING. READILY REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSS MAINS. ALL BRANCH LINES SHALL BE ARRANGED TO FACILITATE FLUSHING. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY PIPES TO SPRINKLERS SHALL BE LISTED INDICATING VALVES.
ALL SPRINKLER WATER CONTROL VALVES AND SUPPLY PIPES SHALL BE PROTECTED AGAINST FREEZING AND MECHANICAL INJURY. TAG AND IDENTIFY ALL SPRINKLER VALVES.
ALL EXPOSED PIPING SHALL BE PAINTED PER DIVISION 9 - FINISHES.
ALL PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON PLANS.
ALL HEADS SHALL BE QUICK RESPONSE TYPE.
ALL AREAS SHALL BE LIGHT HAZARD OCCUPANCY EXCEPT FOR EQUIPMENT ROOMS, STORAGE ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, KITCHENS AND JANITOR'S CLOSETS WHICH SHALL BE ORDINARY HAZARD GROUP 1.
IN ROOMS WITH ACOUSTICAL TILE CEILINGS, ALL SPRINKLERS SHALL BE CENTERED BOTH WAYS WITHIN CEILING TILES.
THE SPRINKLER HEADS SHOWN ON THE DRAWINGS ARE THE MINIMUM REQUIREMENTS, ADD ADDITIONAL HEADS AS REQUIRED FOR COMPLIANCE WITH NFPA-13.

2 Sprinkler Notes

SPRINKLER RISER LEGEND

- MECHANICAL JOINT 90
- MECH. JOINT RETAINER GLAND
- UNIFLANGE
- 4 x 11 SCREWED FLANGE
- 4 x 9 WELDED FLANGE
- GROOVED TEE
- GROOVED ELL 90
- GROOVED COUPLING
- SCREWED ELL 90
- SCREWED TEE
- SPRINKLER CABINET
- 4" O. S. & Y. GATE VALVE
- 4" ALARM CHECK VALVE
- 2" ANGLE VALVE
- 1/2" BALL VALVE
- PRESSURE GAUGE
- RETARD CHAMBER
- SCREWED UNION
- STRAINER
- WATER MOTOR GONG
- 4" CHECK VALVE
- 1/4" RELIEF VALVE
- WATER FLOW SWITCH
- SUPERVISORY SWITCH
- 1/2" BALL DRIP VALVE
- HYDRAULIC NAMEPLATE

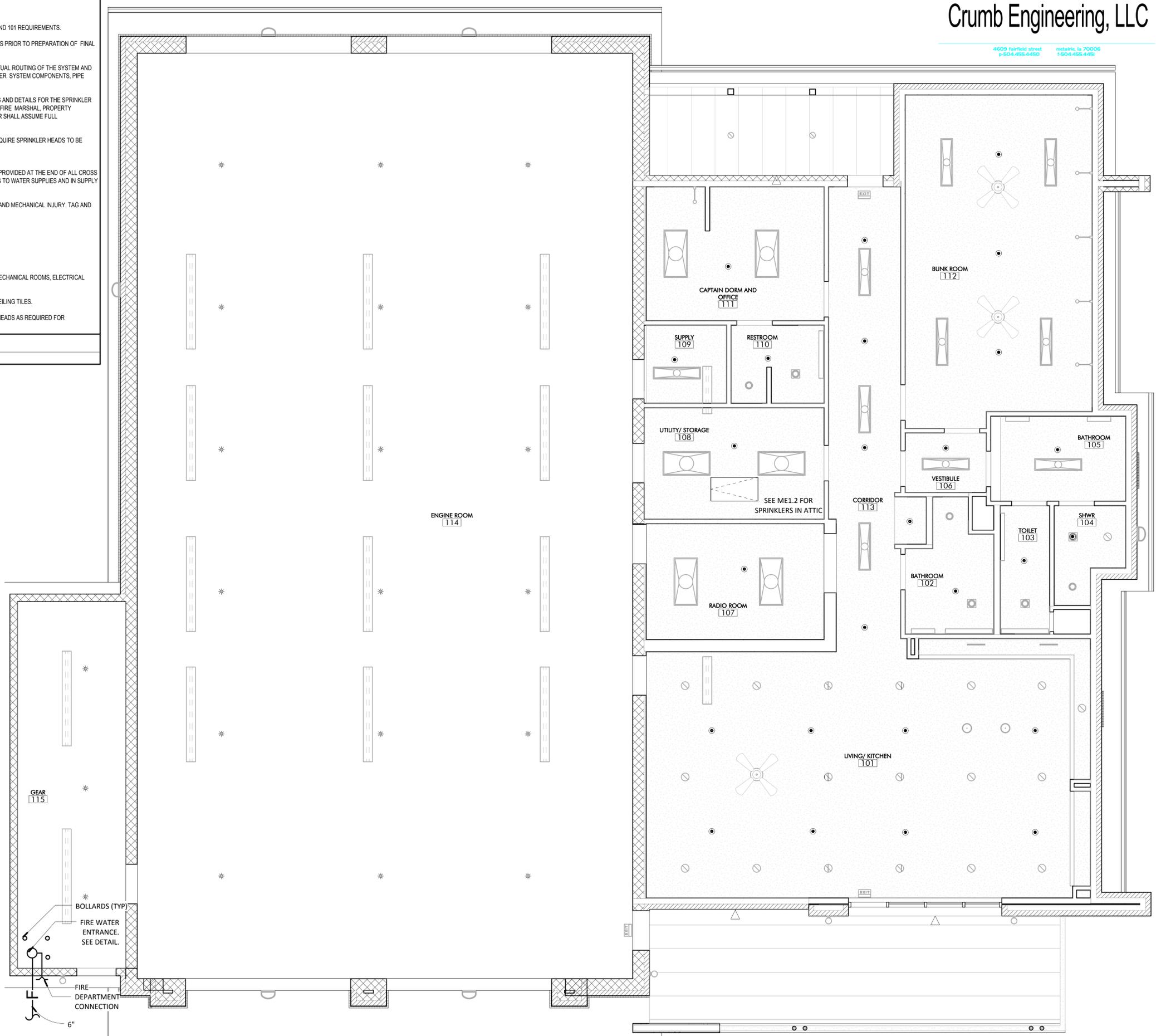


TYPICAL SPRINKLER SERVICE ENTRANCE
NO SCALE

3 Fire Protection Details

1/4" = 1'-0"

- SPRINKLER HEAD - CONCEALED
- * SPRINKLER HEAD - UPTURNED
- ▽ DRY PENDANT



1 Sprinkler Plan

1/4" = 1'-0"

Sprinkler Legend

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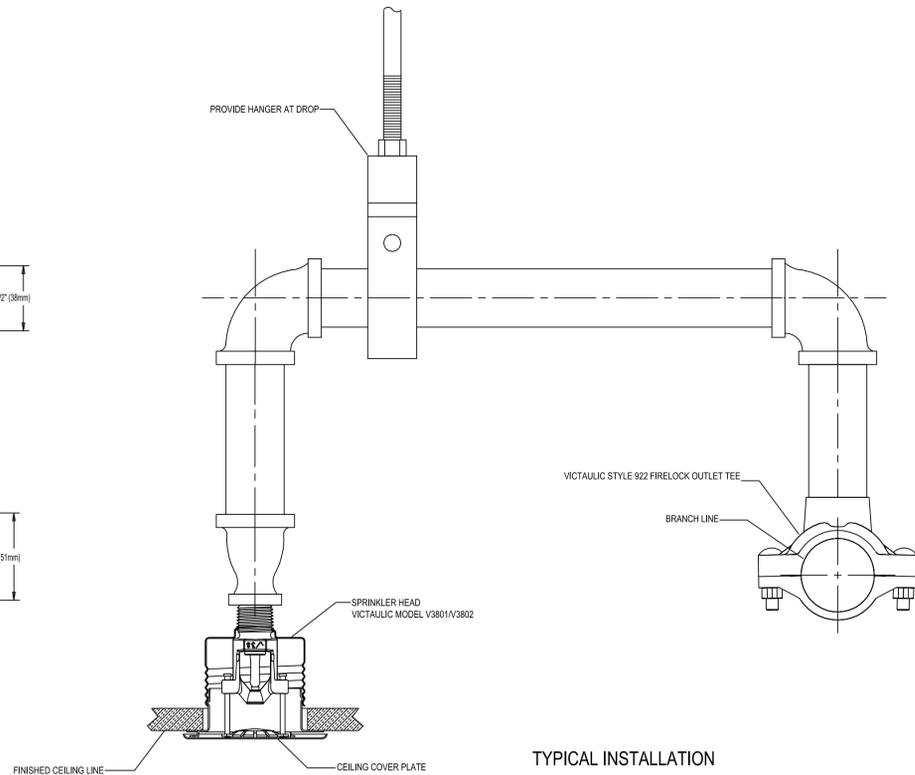
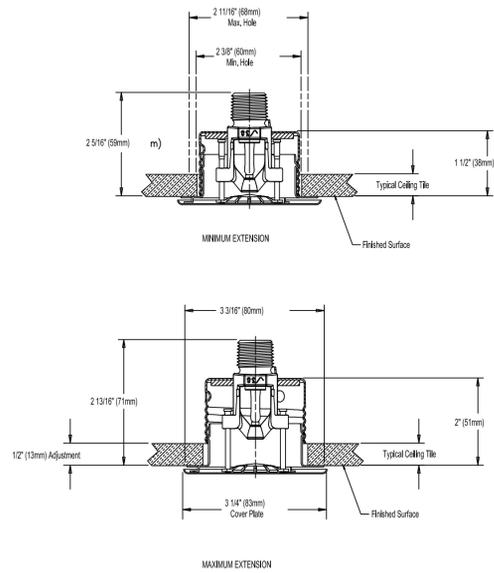
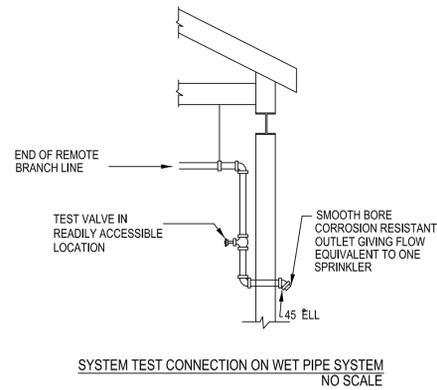
date
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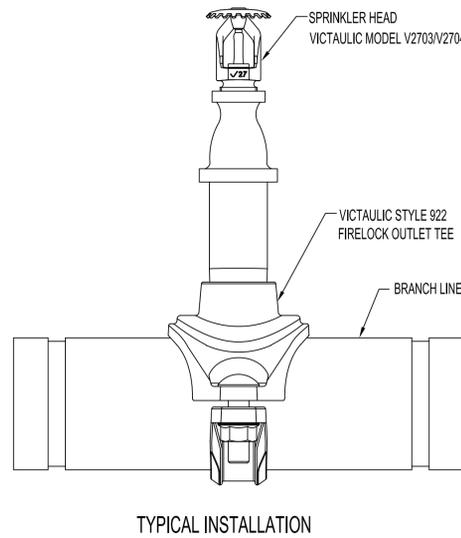
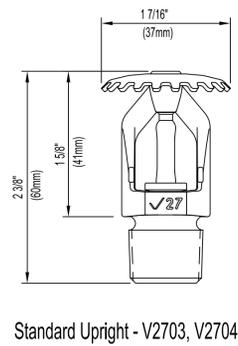
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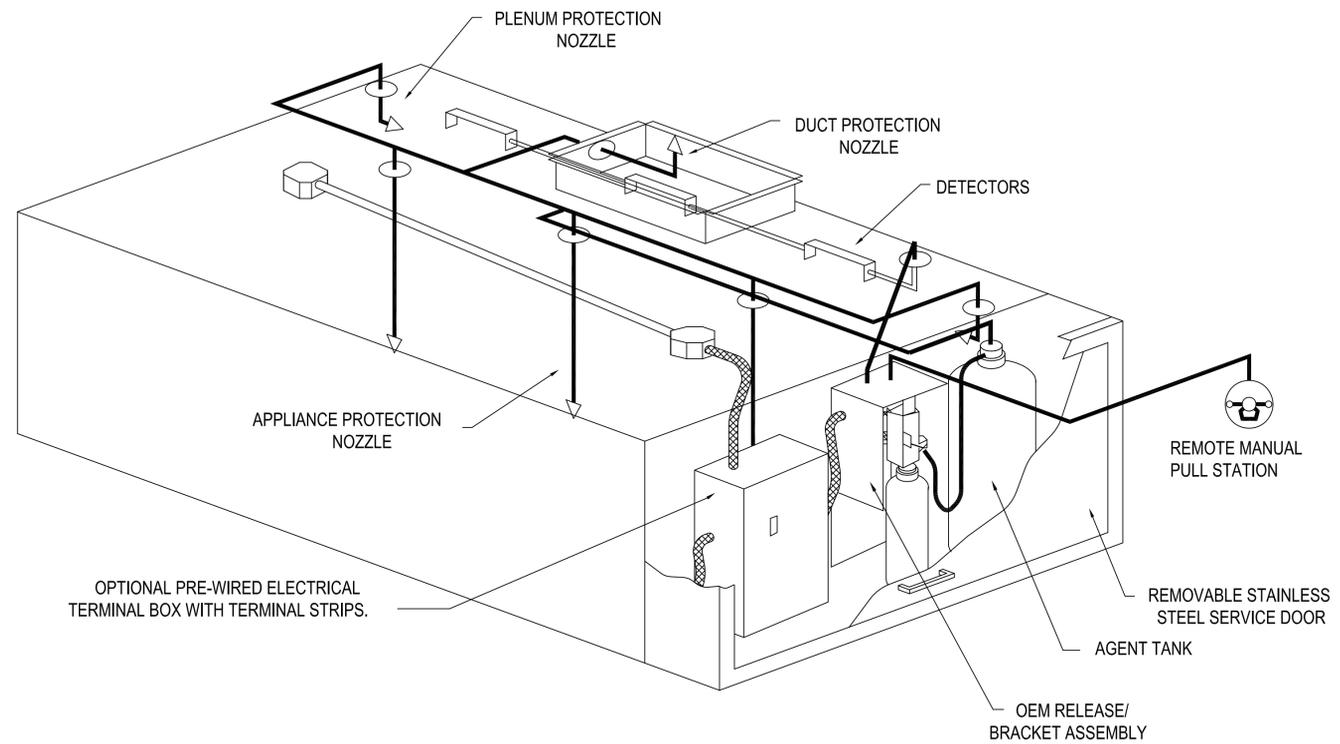
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ADJUSTABLE CONCEALED
STANDARD SPRAY PENDENT
STANDARD AND QUICK RESPONSE
VICTAULIC MODELS V3801 AND V3802



STANDARD SPRAY UPRIGHT
STANDARD AND QUICK RESPONSE
VICTAULIC MODELS V2703 AND V2704



TYPICAL ANSUL R-102 SYSTEM LAYOUT

revisions		
No.	Description	Date



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STATION #34
BLUFF ROAD PRAIRIEVILLE, LA

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civil engineer:
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structural engineer:
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other:

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	DUPLEX RECEPTACLE MTD. 18" ABOVE FLOOR		FLOOR BOX WITH DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE MTD. 42" ABOVE FLOOR		TV/ CABLE
	QUADRAPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER		DATA/ TELEPHONE OUTLET
	DUPLEX WATER PROOF RECEPTACLE W/ GROUND FAULT INTERRUPTER AND GFCI		FIRE ALARM CONTROL PANEL
	DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER		DUCT DETECTOR
	SPEAKER FOR RADIO SYSTEM		SMOKE DETECTOR
	WATER FLOW		TAMPER SWITCH

2 Electrical Legend

SPECIFIC NOTES THIS SHEET:

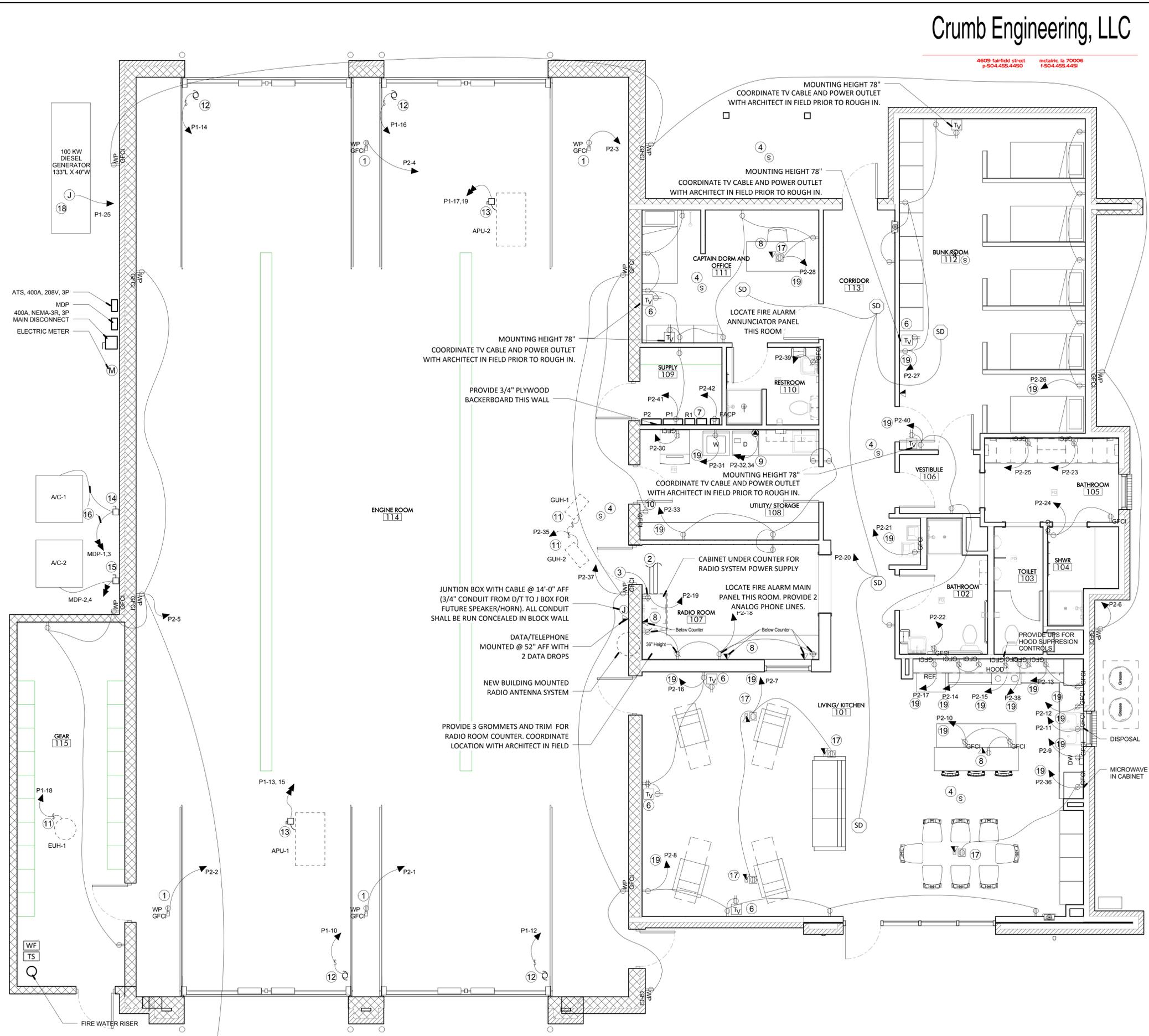
- DUPLEX RECEPTACLE FOR BATTERY CHARGING MOUNTED ON CONDUIT. EXACT LOCATION AND HEIGHT TO BE DETERMINED IN FIELD. ASSUME 6'-0" AFF.
- RUN LMR 400 ANTENNA COAX CABLE (3 CABLES EACH) FROM STATION ALERT TO ANTENNA.
- MOUNT RECEPTACLE UNDER COUNTER.
- SPEAKER FOR STATION ALERT. RUN 16 GA. SPEAKER WIRE BACK TO AMPLIFIER
- 120V, 130W, 1P POWER FOR EXHAUST FAN. RUN TO ROOM LIGHT SWITCH LEG. MOUNT AND WIRE TOGGLE DISCONNECT AND SPEED CONTROLLER TO FAN.
- TV OUTLET. RUN 3/4" UP WALL TO ABOVE CEILING. RUN COAX CABLE TO SPLITTER IN IT BOX. MOUNT RECEPTACLE ON WALL ADJACENT TO TV OUTLET.
- IT BOX.
- DATA/ TELEPHONE OUTLET. RUN 3/4" UP WALL TO ABOVE CEILING. RUN 1 CAT. 6 CABLE FOR DATA AND 1 CAT. 6 CABLE FOR PHONE TO IT BOX.
- ELECTRIC DRYER. 1" C., 2 #10 AWG AND 1 #10 GRD. PROVIDE RECEPTACLE TO MATCH CORD.
- RECEPTACLE MOUNTED IN ATTIC.
- TOGGLE DISCONNECT SWITCH.
- 120V, 1Ø, 1HP MOTOR FOR OVERHEAD DOOR. PROVIDE TOGGLE DISCONNECT SWITCH. WIRE DOOR CONTROLLER AND SENSOR.
- AIR PURIFICATION UNIT. 1HP, 208V, 1Ø. PROVIDE 3ØA, 2P, DS. WIRE UNIT TO REMOTE SENSOR AND CONTROLLER.
- 60A, NEMA-3R, 2P, FDS, FUSE AT 50A.
- 30A, NEMA-3R, 2P, FDS, FUSE AT 20A.
- 3/4" C, 2 #8AWG & 1 #10GRD.
- RUN POWER AND DATA THRU SLAB IN CONDUIT TO FLOOR BOX.
- 120V POWER FOR GENERATOR BATTERY CHARGER. PROVIDE TOGGLE DISCONNECT SWITCH.
- PROVIDE AFCI BREAKER FOR CIRCUIT

3 Electrical Notes

GENERAL NOTES THIS SHEET:

- ALL WIRING SHALL BE 1/2" C WITH 2 #12AWG & 1 #12GRD UNLESS NOTED OTHERWISE.
- GROUND IN ACCORDANCE WITH ARTICLE 250 OF THE NEC.
- PROVIDE AFCI BREAKERS PER THE NEC.
- ALL CONDUIT SHALL BE RUN CONCEALED UNLESS NOTED OTHERWISE.
- FIRE ALARM SHALL BE PER NFPA-72.
- EXACT LOCATION OF OUTLETS AND RECEPTACLES SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- COORDINATE WITH GENERAL CONTRACTOR AND MECHANICAL CONTRACTOR AND WIRE EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- SEE ELECTRICAL FEEDER DIAGRAM FOR GENERATOR, SERVICE AND PANEL FEEDERS.

4 General Electrical Notes
1/4" = 1'-0"



1 Electrical Plan
1/4" = 1'-0"

MARK	DESCRIPTION	LAMPS
L1	ARCHITECTURAL SURFACE FLUORESCENT WITH EXTRUDED ALUMINUM SPILL FRAME, 2 X 4 LIGHTOLIER BESF2X4-BE2W432UNVH1	(4) 32W T8 120V
L2	ARCHITECTURAL SURFACE FLUORESCENT WITH EXTRUDED ALUMINUM SPILL FRAME, 1 X 4 LIGHTOLIER BESF1X4-BE1W232UNVH1	(2) 32W T8 120V
L3	6" VERTICAL FLUORESCENT DOWNLIGHT WITH WHITE TRIM RING LIGHTOLIER 8021-CCLW-S8132BU	(1) 26W TTT 120V
L4	5" LENSED WET LOCATION FLUORESCENT DOWNLIGHT WITH WHITE TRIM RING LIGHTOLIER 1050RNDLWB-1050RNDZES	(1) 26W TTT 120V
L5	WRAPAROUND ACRYLIC FLUORESCENT 2" VANITY LIGHT LIGHTOLIER 5491WHU (MOUNTED AT 7'-0" AFF)	(2) 17W T8 120V
L5a	WRAPAROUND ACRYLIC FLUORESCENT 4" VANITY LIGHT LIGHTOLIER 5493WHU (MOUNTED AT 7'-0" AFF)	(2) 32W T8 120V
L6	DECORATIVE PENDANT WITH FLUORESCENT POWER HEAD AND CLEAR METALLIC STRAIGHT CORD (CORD LENGTH TO BE DETERMINED IN FIELD BY ARCHITECT) LIGHTOLIER PM32SA-PG01-SK01	(1) 26W TTT 120V
L7	50" WHITE CEILING FAN WITH WHITE BLADES PROVIDE FAN CONTROL, SWITCH AND REMOTE CONTROL HUNTER 5 MINUTE S2	NO LAMP
L8	5" EXTERIOR RECESSED DOWNLIGHT LIGHTOLIER 1002P1/1090	(1) 65W
L9	8" FLUORESCENT STRIP WITH CHAIN HANGING KIT AND WIRE GUARD MOUNTING HEIGHT TO BE DETERMINED IN FIELD LIGHTOLIER KW-96-S-232-120-H4-AWG4W-AH5-CSP (MOUNTED AT 16'-0" AFF)	(4) 32W T8 120V
L10	ALUMINUM WALL MOUNTED WALL PACK LITHONIA TWRC10 WITH METAL HALIDE (RE: SHEETS A6.1 AND A6.2 FOR MOUNTING HEIGHTS)	(1) 70-150W
L11	HEAT VENT LIGHT NUTONE 9093	(1) 100W 120V
L12	DECORATIVE EXTERIOR WALL SCENCE BETA CALCO WRAP PM 31 2141 (COORDINATE MOUNTING HEIGHT IN FIELD WITH ARCHITECT)	(1) 26W 120V
L13		
L14	BUNK WALL MOUNTED LIGHT GEORGE KOVACS P3 BRUSHED NICKEL SWING ARM (MOUNTED AT 3'-0" AFF)	(1) 60W
L15	UNDER CABINET LIGHT LIGHTOLIER LP100	(1) LED 18W 120V
L16	ATTIC LIGHT LITHONIA T5-MINI STRIP MNS5128LP	(1) 28W T5 120V
EXIT	THERMOPLASTIC EDGE LIT LED EXIT SIGN LIGHTOLIER LU SERIES	(1) LED 120V

NOTE: WHERE FIXTURE HAS "E" DESIGNATION, PROVIDE BODINE B-50 EMERGENCY

2 Light Fixture Schedule

GENERAL NOTES THIS SHEET:

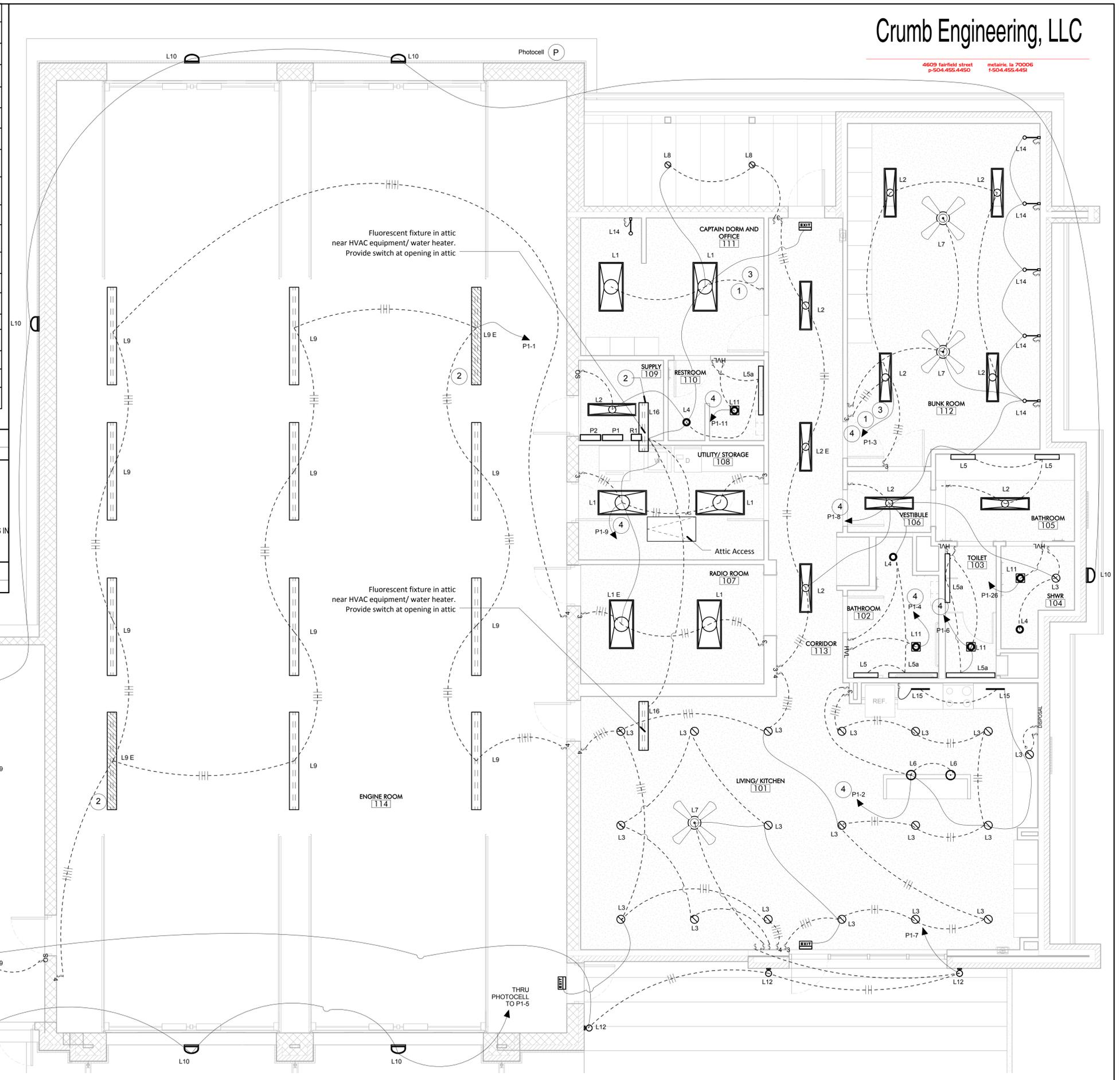
- ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE. REFER TO ARCHITECT'S REFLECTED CEILING PLAN AND ARCHITECT'S ELEVATIONS FOR FIXTURE LOCATIONS.
- INSTALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL NECESSARY WIRING, SWITCHES AND MOUNTING HARDWARE.
- ALL CONDUIT SHALL BE 1/2" WITH 2#12 AWG & #12 GRD UNLESS NOTED OTHERWISE. WIRE MULTI-WAY SWITCHES IN ACCORDANCE WITH THE PRODUCT LITERATURE.
- GROUNDING SHALL BE IN ACCORDANCE WITH NEC ART. 250.

3 Typical Lighting Notes

SPECIFIC NOTES THIS SHEET:

- HOMERUN THRU RELAY R1 TO TURN ON LIGHTS WHEN STATION ALERT IS ACTIVATED. WIRE TO STATION ALERT
- FIXTURE TO BE UNSWITCHED NIGHT LIGHT
- 2 POLE RELAY R1
- PROVIDE AFCI BREAKER FOR CIRCUIT.

4 Lighting Notes



1 Lighting Plan

1/4" = 1'-0"



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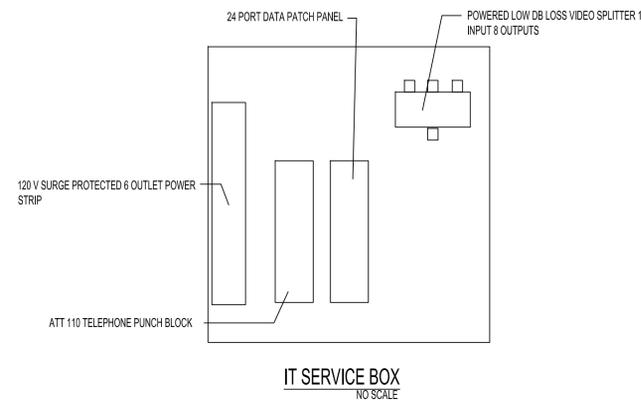
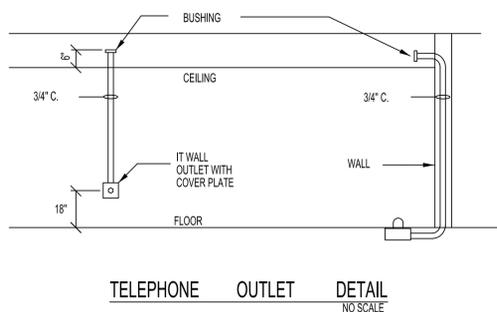
date
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ELECTRICAL			LEGEND		
SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION	
\$ _a	SINGLE POLE SWITCH	LETTER DENOTES FIXTURE CONTROL	Ⓜ	DUPLEX RECEPTACLE MTD. 18" ABOVE FLOOR	
\$ ₃	THREE WAY SWITCH		Ⓜ	DUPLEX RECEPTACLE MTD. ABOVE WORK SURFACE	
\$ _F	COMBINATION CEILING FANLIGHT SWITCH		ⓂWP	DUPLEX RECEPTACLE, WEATHERPROOF	
\$ _D	DIMMER SWITCH		Ⓜ	FLOOR OUTLET	
Ⓜ	HOME RUN TO PANEL	CROSS LINES DENOTE NO. OF CONDUCTORS WHEN MORE THAN TWO	Ⓜ	SPECIAL OUTLET	
Ⓜ	CONCEALED WIRING		ⓂGFI	DUPLEX RECEPT. W/GROUND FAULT INTERRUPTER	
Ⓜ	DISCONNECT SWITCH W/VISIBLE BLADES		Ⓜ	QUADRAPLEX RECEPTACLE MTD. 18" ABOVE FLOOR	
Ⓜ	ELECTRICAL HEATING ELEMENT		Ⓜ	JUNCTION BOX	
Ⓜ	ELECTRIC METER		Ⓜ	ELECT. MOTOR W/APPROVED DISC. SWITCH	
Ⓜ	STARTER/DISCONNECT		Ⓜ	TELEPHONE OUTLET (WALL)	
Ⓜ	DUPLEX OUTLET WITH TOP WIRED TO SWITCH		Ⓜ	TELEPHONE OUTLET (FLOOR)	
Ⓜ	VIDEO OUTLET		Ⓜ	DATA/CABLE OUTLET	
Ⓜ	HEAT VENT LIGHT COMBINATION SWITCH				
Ⓜ	SMOKE DETECTOR				

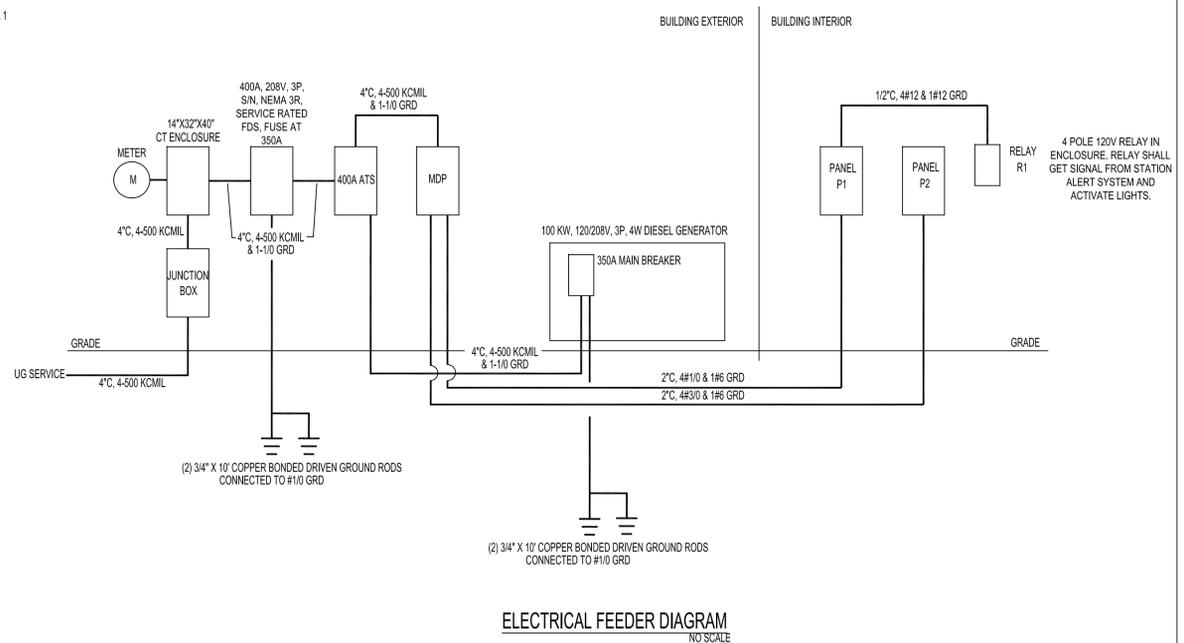
PANEL: MDP			MOUNTING: SURFACE-NEMA 3R		
VOLTAGE:	120/208	PHASE:	3, 4W		
BUS AMPS:	400				
MAIN OVERCURRENT DEVICE TYPE:	CB				
MAIN OVERCURRENT AMPS:	350				
REMARKS: WITH GROUND BUS, 22000 AIC					

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	AC-1	50	2	3000	E	A	E	1200	20	2	AC-2	2
3				3000	E	B	E	1200				4
5	PANEL P1	150	3	9550	M	C	M	13450	200	3	PANEL P2	6
7				9800	M	A	M	13350				8
9				7550	M	B	M	14600				10
11	GENERATOR MISC	20	1	1500	M	C	S	400	20	1	SPARE	12
13	SPARE	20	1	400	S	A	S	400	20	1	SPARE	14
15	SPARE	20	1	400	S	B	S	400	20	1	SPARE	16
17	SPARE	20	1	400	S	C	S	400	20	1	SPARE	18
19	SPARE	20	1	400	S	A	S	400	20	1	SPARE	20
21	SPARE	20	1	400	S	B	S	400	20	1	SPARE	22
23	SPARE	20	1	400	S	C	S	400	20	1	SPARE	24
25	SPARE	20	1	400	S	A	S	400	20	1	SPARE	26
27	SPARE	20	1	400	S	B	S	400	20	1	SPARE	28
29	SPARE	20	1	400	S	C	S	400	20	1	SPARE	30
31	SPARE	20	1	400	S	A	S	400	20	1	SPARE	32
33	SPARE	20	1	400	S	B	S	400	20	1	SPARE	34
35	SPARE	20	1	400	S	C	S	400	20	1	SPARE	36
37	SPARE	20	1	400	S	A	S	400	20	1	SPARE	38
39	SPARE	20	1	400	S	B	S	400	20	1	SPARE	40
41	SPARE	20	1	400	S	C	S	400	20	1	SPARE	42

	PHASE A	PHASE B	PHASE C	TOTAL CONN.	DEMAND	DEM. LOAD
HVAC COOLING LOAD (VA)	4200	4200	0	8400	1	8400
LIGHTING LOAD (VA)	0	0	0	0	1	0
RECEPTACLE LOAD (VA)	0	0	0	0	1	0
WATER HEATER LOAD (VA)	0	0	0	0	1	0
KITCHEN EQ. LOAD (VA)	0	0	0	0	1	0
MISC EQ. LOAD (VA)	24400	24400	24500	73300	1	73300
SPARES (VA)	3600	4000	4400	12000	1	12000
HVAC HEATING LOAD (VA)	0	0	0	0	1	0
TOTAL LOAD (VA)	32200	32600	28900	93700		93700
TOTAL CONNECTED LOAD KW	93.7					93.7
PHASE A CONNECTED AMPS				154.81		
PHASE B CONNECTED AMPS				156.73		
PHASE C CONNECTED AMPS				138.94		
PHASE A DEMAND AMPS				155		
PHASE B DEMAND AMPS				156.7		
PHASE C DEMAND AMPS				138.9		
PANEL FUSING SIZE				325.49		



- NOTES:
- WIRE EACH INDIVIDUAL OUTLET BACK TO IT BOX AND TERMINATE AT RESPECTIVE LOCATION (DATA, VIDEO OR TELEPHONE).
 - SEE PLANS FOR LOCATION AND NUMBER OF OUTLETS.
 - PROVIDE POWER TO OUTLET STRIP AND POWER ALL ACCESSORIES IN BOX AS REQUIRED. POWER FROM PANEL P1.
 - ALL INTERIOR WIRING SHALL BE COMPLETE READY FOR HOOK UP BY UTILITY SERVICE PROVIDER.
 - SEE SPECIFICATIONS FOR EQUIPMENT DETAILS, WIRING AND GROUNDING INFORMATION.
 - ALL WIRING IN HOUSING UNIT SHALL BE CONCEALED USING PLENUM RATED CABLING. SEE OUTLET DETAIL FOR CONDUIT IN WALL.
 - PROVIDE 1" CONDUIT FROM BOX TO EXTERIOR OF BUILDING BY MAIN ELECTRICAL PANEL WITH PULLSTRING FOR UTILITY SERVICE PROVIDER.
 - RUN A #8 GRD FROM IT BOX TO MAIN GROUND.



- NOTES:
- ALL WORK SHALL CONFORM TO THE NEC.
 - COORDINATE SERVICE REQUIREMENTS WITH UTILITY COMPANY.
 - GROUND METER AND CT ENCLOSURE PER UTILITY COMPANY REQUIREMENTS.
 - GROUNDING SHALL BE PER NEC 250. BOND TO DOMESTIC WATER MAIN AND BUILDING STEEL.

PROJECT NAME:		FIRE STATION 34		DATE:		10/9/2015	
PANEL: P1				LOCATION STORAGE			
VOLTAGE: 120/208				PHASE: 3, 4W			
BUS AMPS: 225				MOUNTING: RECESSED			
MAIN OVERCURRENT DEVICE TYPE: CB				E= HVAC EQUIP. LOAD COOLING L= LIGHTING LOAD R= RECEPTACLE LOAD W= WATER HEATER K= KITCHEN EQ. M= MISC EQ. S= SPARES H= HVAC EQUIP. LOAD HEATING			
MAIN OVERCURRENT AMPS: 150				REMARKS: WITH GROUND BUS, 10000 AIC			

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	LIGHTS	20	1	1600	L	A	L	1000	20	1	LIGHTS	2
3	LIGHTS	20	1	300	L	B	L	1500	20	1	HVL	4
5	LIGHTS	20	1	700	L	C	L	1500	20	1	HVL	6
7	LIGHTS	20	1	300	L	A	L	700	20	1	LIGHTS	8
9	LIGHTS	20	1	100	L	B	M	750	20	1	OVER-HEAD DOOR	10
11	HVL	20	1	1500	L	C	M	750	20	1	OVER-HEAD DOOR	12
13	APU-1	20	2	400	M	A	M	750	20	1	OVER-HEAD DOOR	14
15				400	M	B	M	750	20	1	OVER-HEAD DOOR	16
17	APU-2	20	2	400	M	C	M	1500	20	1	HOT BOX	18
19				400	M	A	E	750	20	1	AC-2 FURNACE	20
21	SEWER TREATMENT	20	1	1500	M	B	E	750	20	1	AC-1 FURNACE	22
23	RECEPTACLE	20	1	400	M	C	M	400	20	1	IT BCX	24
25	GENERATOR BATT	20	1	200	M	A	S	400	20	1	HVL	26
27	SPARE	20	1	400	S	B	S	400	20	1	SPARE	28
29	SPARE	20	1	400	S	C	S	400	20	1	SPARE	30
31	SPARE	20	1	400	S	A	S	400	20	1	SPARE	32
33	SPARE	20	1	400	S	B	S	400	20	1	SPARE	34
35	SPARE	20	1	400	S	C	S	400	20	1	SPARE	36
37	SPARE	20	1	400	S	A	S	400	20	1	SPARE	38
39	SPARE	20	1	400	S	B	S	400	20	1	SPARE	40
41	SPARE	20	1	400	S	C	S	400	20	1	SPARE	42

	PHASE A	PHASE B	PHASE C	TOTAL CONN.	DEMAND	DEM. LOAD
HVAC COOLING LOAD (VA)	750	750	0	1500	1	1500
LIGHTING LOAD (VA)	3600	1900	3700	9200	1	9200
RECEPTACLE LOAD (VA)	0	0	0	0	1	0
WATER HEATER LOAD (VA)	0	0	0	0	1	0
KITCHEN EQ. LOAD (VA)	0	0	0	0	1	0
MISC EQ. LOAD (VA)	1750	3400	3450	8600	1	8600
SPARES (VA)	2000	2400	2400	6800	1	6800
HVAC HEATING LOAD (VA)	0	0	0	0	1	0
TOTAL LOAD (VA)	8100	8450	9550	26100		26100
TOTAL CONNECTED LOAD KW	26.1					26.1
PHASE A CONNECTED AMPS				38.94		
PHASE B CONNECTED AMPS				40.63		
PHASE C CONNECTED AMPS				45.91		
PHASE A DEMAND AMPS				39		
PHASE B DEMAND AMPS				40.6		
PHASE C DEMAND AMPS				45.9		
PANEL FUSING SIZE				90.67		

NOTE: PROVIDE AFCI BREAKERS AS REQUIRED BY NEC-210.

PROJECT NAME:		FIRE STATION 34		DATE:		10/9/2015	
PANEL: P2				LOCATION STORAGE			
VOLTAGE: 120/208				PHASE: 3, 4W			
BUS AMPS: 225				MOUNTING: RECESSED			
MAIN OVERCURRENT DEVICE TYPE: CB				E= HVAC EQUIP. LOAD COOLING L= LIGHTING LOAD R= RECEPTACLE LOAD W= WATER HEATER K= KITCHEN EQ. M= MISC EQ. S= SPARES H= HVAC EQUIP. LOAD HEATING			
MAIN OVERCURRENT AMPS: 200				REMARKS: WITH GROUND BUS, 10000 AIC			

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	RECEPTACLE	20	1	500	M	A	M	500	20	1	RECEPTACLE	2
3	RECEPTACLE	20	1	500	M	B	M	500	20	1	RECEPTACLE	4
5	RECEPTACLE	20	1	1000	R	C	R	800	20	1	RECEPTACLE	6
7	RECEPTACLE	20	1	900	R	A	R	800	20	1	RECEPTACLE	8
9	DISHWASHER	20	1	1500	M	B	R	600	20	1	RECEPTACLE	10
11	DISPOSAL	20	1	1500	M	C	R	1000	20	1	RECEPTACLE	12
13	RECEPTACLE	20	1	1000	R	A	R	1000	20	1	RECEPTACLE	14
15	HOOD	20	1	500	M	B	R	800	20	1	RECEPTACLE	16
17	RECEPTACLE	20	1	750	R	C	R	1500	20	1	RECEPTACLE	18
19	RADIO	20	1	1800	M	A	M	500	20	1	SMOKE DETECTORS	20
21	DRINKING FOUNTAIN	20	1	1600	M	B	R	1500	20	1	RECEPTACLE	22
23	RECEPTACLE	20	1	1500	R	C	R	1500	20	1	RECEPTACLE	24
25	RECEPTACLE	20	1	1500	R	A	R	1000	20	1	RECEPTACLE	26
27	RECEPTACLE	20	1	1000	R	B	R	1200	20	1	RECEPTACLE	28
29	BOOSTER FAN	20	1	500	M	C	M	1000	20	1	ICE MACHINE	30
31	WASHING MACHINE	20	1	1000	M	A	M	1500	30	2	DRYER	32
33	RECEPTACLE	20	1	1200	R	B	M	1500				34
35	GAS UNIT HEATERS	20	1	1200	H	C	R	400	20	1	RECEPTACLE	36
37	RECEPTACLE	20	1	1000	R	A	R	800	20	1	RECEPTACLE	38
39	RECEPTACLE	20	1	1500	R	B	R	600	20	1	RECEPTACLE	40
41	RECEPTACLE	20	1	400	R	C	M	400	20	1	FACP	42

	PHASE A	PHASE B	PHASE C	TOTAL CONN.	DEMAND	DEM. LOAD
HVAC COOLING LOAD (VA)	0	0	0	0	1	0
LIGHTING LOAD (VA)	0	0	0	0	1	0
RECEPTACLE LOAD (VA)	7850	10300	8850	27000	1	27000
WATER HEATER LOAD (VA)	0	0	0	0	1	0
KITCHEN EQ. LOAD (VA)	0	0	0	0	1	0
MISC EQ. LOAD (VA)	5500	4300	3400	13200	1	13200
SPARES (VA)	0	0	0	0	1	0
HVAC HEATING LOAD (VA)	0	0	1200	1200	1	1200
TOTAL LOAD (VA)	13350	14600	13450	41400		41400
TOTAL CONNECTED LOAD KW	41.4					41.4
PHASE A CONNECTED AMPS				64.18		
PHASE B CONNECTED AMPS				70.19		
PHASE C CONNECTED AMPS				64.66		
PHASE A DEMAND AMPS				64		
PHASE B DEMAND AMPS				70.2		
PHASE C DEMAND AMPS				64.7		
PANEL FUSING SIZE				143.81		