# CITY OF BRYAN F I R E 414 LAWRENCE STREET CITY JOB #: 700-D0-1206 BRYAN, TX 77801 RFB#: 16-038



### UTILITY PROVIDERS WATER & SEWER CITY OF BRYAN 979-209-5900 NATURAL GAS

ELECTRIC

CABLE

ATMOS ENERGY 888-286-6700 BTU 979-821-5700 SUDDENLINK 888-822-5151

# CODE INFORMATION

BUILDING CODE MECHANICAL CODE ELECTRICAL CODE INTERNATIONAL ENERGY CC PLUMBING CODE FIRE CODE OCCUPANCY CLASSIFICATION TYPE OF CONSTRUCTION OCCUPANT LOAD FIRE SEPARATION SPRINKLERED

IMC 2009 NEC 2011 IECC 2009 IPC 2009 IFC 2009 S-2, R-2, B TYPE V-B 130 B TO R = 1 HRR TO S-2 = 1 HR,NFPA 13; ENTIRE BUILDING 23,082 SQ. FT. (APPROX. FOR CODE REVIEW PURPOSES ONLY)

43'-8" 2.77 ACRES

IBC 2009

### ACCESSIBILITY

BUILDING AREA

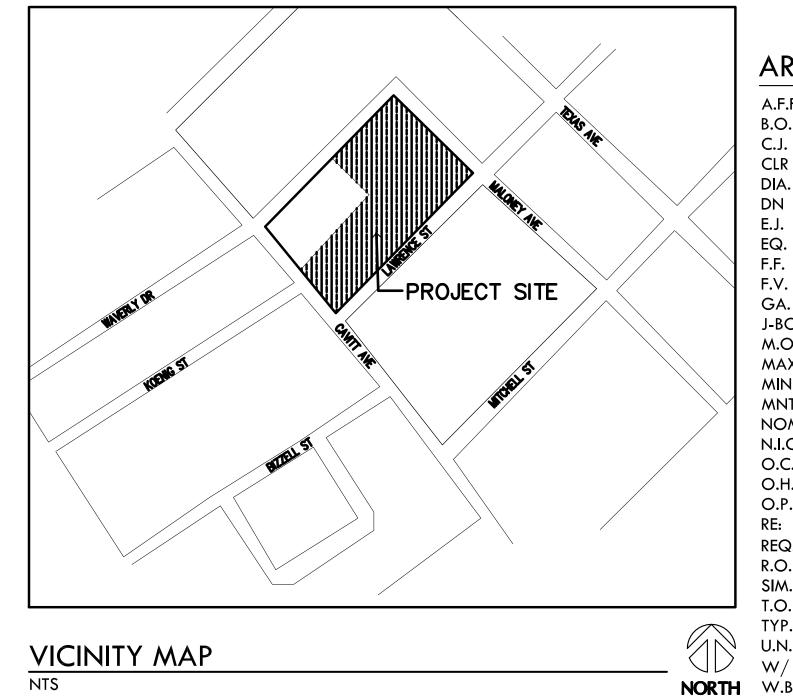
SITE AREA

BUILDING HIGH POINT

NOTE: RE: A5.1 FOR ACCESSIBLE MOUNTING HEIGHT REQUIREMENTS FOR ACCESSORIES AND EQUIPMENT

## LEGAL DESCRIPTION

LOT 1R BLOCK 2, MITCHELL-LAWRENCE-CAVITT ADDITION VOLUME 86, PAGE 590, ZENO PHILLIPS LEAGUE, A-45 BRYAN, BRAZOS COUNTY, TEXAS



# SYMBOL LEGEND

PLAN TRUE	NORTH ARROWS
<u> </u>	PROPERTY LINE
	SETBACK LINE
	Building Setback Line/easement
100	EXISTING CONTOURS
100	REVISED CONTOURS
100.00'	EXISTING SPOT GRADE
100.00'	REVISED SPOT GRADE
<del>.</del>	WORKING POINT, CONTROL OR DATUM POINT
<b>A</b>	COLUMN DESIGNATION
<u>1/A2.1</u>	PLAN DETAIL
$\# \frac{TITLE}{SCALE}$	DWG. FILE CUT

A.F.F.ABOVE FINISH FLOORB.O.BOTTOM OFC.J.CONTROL JOINTCLRCLEARDIA.DIAMETERDNDOWNE.J.EXPANSION JOINTEQ.EQUALF.F.FINISH FLOORF.V.FIELD VERIFYGA.GAUGEJ-BOXJUNCTION BOXM.O.MASONRY OPENINGMAX.MAXIMUMMIN.MINIMUMMNTD.MOUNTEDNOM.NOMINALN.I.C.ON CENTER (EACH WAY)O.H.OPPOSITE HANDO.P.C.I.OWNER PROVIDED CONTRRE:REFERENCEREQ./REQDREQUIREDR.O.TOP OFTYP.TYPICALU.N.O.UNLESS NOTED OTHERWISW/WIND BRACEW.PWORKING POINT	ARCHITECT	<b>FURAL ABBREVIA</b>
O.P.C.I.OWNER PROVIDED CONTR REFRE:REFERENCEREQ./REQDREQUIREDR.O.ROUGH OPENINGSIM.SIMILART.O.TOP OFTYP.TYPICALU.N.O.UNLESS NOTED OTHERWISW/WITHW.B.WIND BRACE	A.F.F. B.O. C.J. CLR DIA. DN E.J. EQ. F.F. F.V. GA. J-BOX M.O. MAX. MIN. MNTD. NOM. N.I.C. O.C.(E.W.)	ABOVE FINISH FLOOR BOTTOM OF CONTROL JOINT CLEAR DIAMETER DOWN EXPANSION JOINT EQUAL FINISH FLOOR FIELD VERIFY GAUGE JUNCTION BOX MASONRY OPENING MAXIMUM MINIMUM MOUNTED NOMINAL NOT IN CONTRACT ON CENTER (EACH WAY)
	NOM. N.I.C. O.C.(E.W.) O.H. O.P.C.I. RE: REQ./REQD R.O. SIM. T.O. TYP. U.N.O. W/ W.B.	NOMINAL NOT IN CONTRACT ON CENTER (EACH WAY) OPPOSITE HAND OWNER PROVIDED CONTR REFERENCE REQUIRED ROUGH OPENING SIMILAR TOP OF TYPICAL UNLESS NOTED OTHERWIS WITH WIND BRACE

# STATION NO. 2

JUNE 1, 2016 BRW PROJECT #215066.00

1 A2.1	EXTERIOR ELEVATION
2 A2.1 1	INTERIOR ELEVATION
∠-(1000.01)	KEYNOTE
∠-(1000.01) N.I.C.	ITEM NOT IN CONTRACT
	ITEM TO BE OWNER PROVIDED CONTRACTOR INSTALLED
A	WALL TYPE
(10)	DOOR NUMBER
Â	WINDOW TYPE
$\Delta$	REVISIONS
$\diamond$	FINISH SYMBOL
ROOMNAME	ROOM DESIGNATION & NUMBER
$\downarrow$ $\downarrow$	ALIGN
•	TEMPERED GLASS
1/A2.1	Building Section
/A2.1	WALL SECTION
ATIONS	

MAYOR	AND	CITY	COUNCIL

- JASON BIENSKI AL SAENZ RAFAEL PENA III GREG OWENS MIKE SOUTHERLAND BEN HARDEMAN BUPPY SIMANK
- MAYOR DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4 DISTRICT 5 PLACE 6

MASTER FORMAT K	EYNOTE LEGEND
	<ul> <li>KEYNOTE NUMBER</li> <li>SPECIFICATIONS MASTER FORMAT 2004 LEVEL 2 SUBDIVISION</li> <li>SPECIFICATIONS MASTER FORMAT 2004 DIVISION NUMBER</li> </ul>
NOTE:	

WHERE KEYNOTES REFERENCE OTHER ENGINEERING DISCIPLINES, SUCH AS: (RE: STRUCTURAL), (RE: CIVIL), (RE: MEP), REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM KEYNOTED. UPON FINDING A DISCREPANCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT, IN ADVANCE TO AVOID COST OR TIME IMPACT.

# **TYPICAL INSULATION VALUES:**

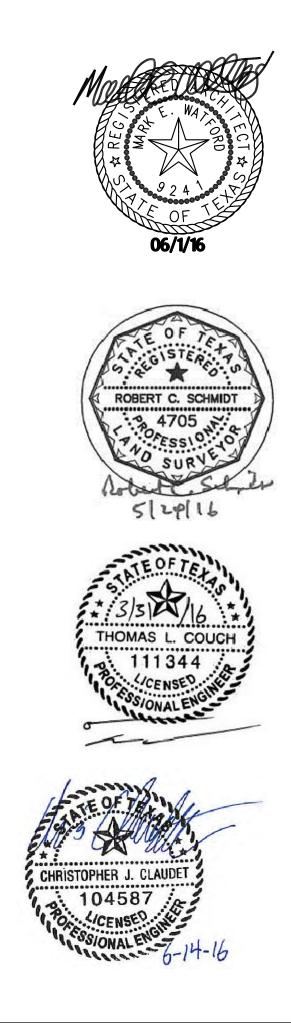
TYPICAL WALL INSULATION: BATT INSULATION (MINIMUM R-19) TYPICAL ROOF INSULATION: BATT INSULATION (MINIMUM R-30) TYPICAL WINDOW GLAZING: U-FACTOR: 0.26 BTU/(HR X SQFT X  $^{\circ}$ F) SHGC: 0.24 SHADING COEFFICIENT: 0.28 VISIBLE TRANSMITTANCE: 35%

∕VAY) CONTRACTOR INSTALLED

OWNER	<b>CITY OF BRYAN</b> 300 S. TEXAS AVENUE BRYAN, TEXAS 77803 P: (979) 209-5030 F: (979) 209-5035	CONTACT: BARNEY WILLIAMS, PE E-MAIL: BWILLIAMS@BRYANTX.GOV
ARCHITECT / LANDSCAPE ARCHITECT	BROWN REYNC 2700 EARL RUDDER FREEWAY COLLEGE STATION, TEXAS 778 P: (979) 694-1791	
	F: (979) 694-8293	E-MAIL: JBETTIOL@BRWARCH.COM
CIVIL ENGINEER	<b>O'MALLEY STRA</b> 203 SOUTH JACKSON STREET BRENHAM, TEXAS 77833 TEXAS ENGINEERING FIRM REC P: (979) 836-7937	SISTRATION # F-8405 CONTACT: DWAYNE GAJEWSKI
STRUCTURAL ENGINEER		
	GESSNER ENGI 2501 ASHFORD DR, SUITE 102 COLLEGE STATION, TEXAS 778	
	P: (979) 680-8840 F: (979) 680-8841	CONTACT: THOMAS COUCH E-MAIL: TCOUCH@GESSNERENGINEERING.COM
MECHANICAL / ELECTRICAL/ PLUMBING ENGINEER	<b>JORDAN &amp; SKA</b> 2929 BRIARPARK STE 510 HOUSTON, TX 77042 P: (281) 617-3200 F: (281) 617-3207	<b>LA ENGINEERS, INC.</b> CONTACT: JOHN AULT E-MAIL: JAULT@JORDANSKALA.COM

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C1.6	IRRIGATION PLAN & DETAILS	A5.2	INTERIOR ELEVATIONS
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C6.1	SEWER DETAILS	M2.2	SECOND FLOOR MECH
C7.0	PAVING DETAILS	M3.1	KITCHEN EQUIPMENT D
C7.1	PAVING DETAILS	M3.2	KITCHEN EQUIPMENT D
C7.2	PAVING DETAILS		-
C8.0	DRAINAGE DETAILS	P1.0	PLUMBING NOTES AND
		P1.1	PLUMING DETAILS
SO.0	STRUCTURAL NOTES	P1.2	PLUMBING DETAILS
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S1.2	FOUNDATION PLAN - LEFT	P2.2	FIRST FLOOR WATER &
\$1.3 \$1.4	FOUNDATION PLAN - RIGHT	P 2.2 P 2.3	SECOND FLOOR WATER
S1.4 S1.5			
S1.5 S1.6	DUMPSTER, GENERATOR, TRANSFORMER PAD FOUNDATION PLAN		PLUMBING RISER PLAN
	CEILING FRAMING PLAN	P3.1	GAS RISER PLAN
S1.7	ROOF FRAMING PLAN		
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S3.5 S5.0 S5.1			
\$3.5 \$5.0 \$5.1 \$5.2	FOUNDATION DETAILS	E3.2	SECOND FLOOR LIGHTI
\$3.5 \$5.0 \$5.1 \$5.2	FOUNDATION DETAILS FRAMING DETAILS	E3.2 E4.1	SECOND FLOOR LIGHTI FIRST FLOOR FIRE ALAR/
\$3.5 \$5.0 \$5.1 \$5.2 \$5.3	FOUNDATION DETAILS FRAMING DETAILS	E3.2 E4.1 E4.2	SECOND FLOOR LIGHTI FIRST FLOOR FIRE ALAR SECOND FLOOR FIRE A
S3.5 S5.0 S5.1 S5.2 S5.3 A1.1	FOUNDATION DETAILS FRAMING DETAILS LATERAL DETAILS	E3.2 E4.1 E4.2 E4.3	SECOND FLOOR LIGHTI FIRST FLOOR FIRE ALAR SECOND FLOOR FIRE AL FIRST FLOOR ALERTING
	FOUNDATION DETAILS FRAMING DETAILS LATERAL DETAILS FIRST FLOOR PLAN	E3.2 E4.1 E4.2 E4.3	SECOND FLOOR LIGHTI FIRST FLOOR FIRE ALAR SECOND FLOOR FIRE AL FIRST FLOOR ALERTING



NAL PLAN OF DETAILS S AND EXTERIOR DETAILS ND DETAILS

CTIONS OR AND WINDOW TYPES / DETAILS / DETAILS

AN AND CEILING DETAILS CEILING PLANS AND CEILING DETAILS **NS** 

AND SCHEDULE

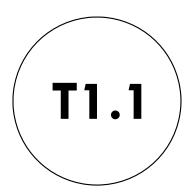
VICAL PLAN HANICAL PLAN DETAILS DIAGRAM

ND FIXTURE SCHEDULE

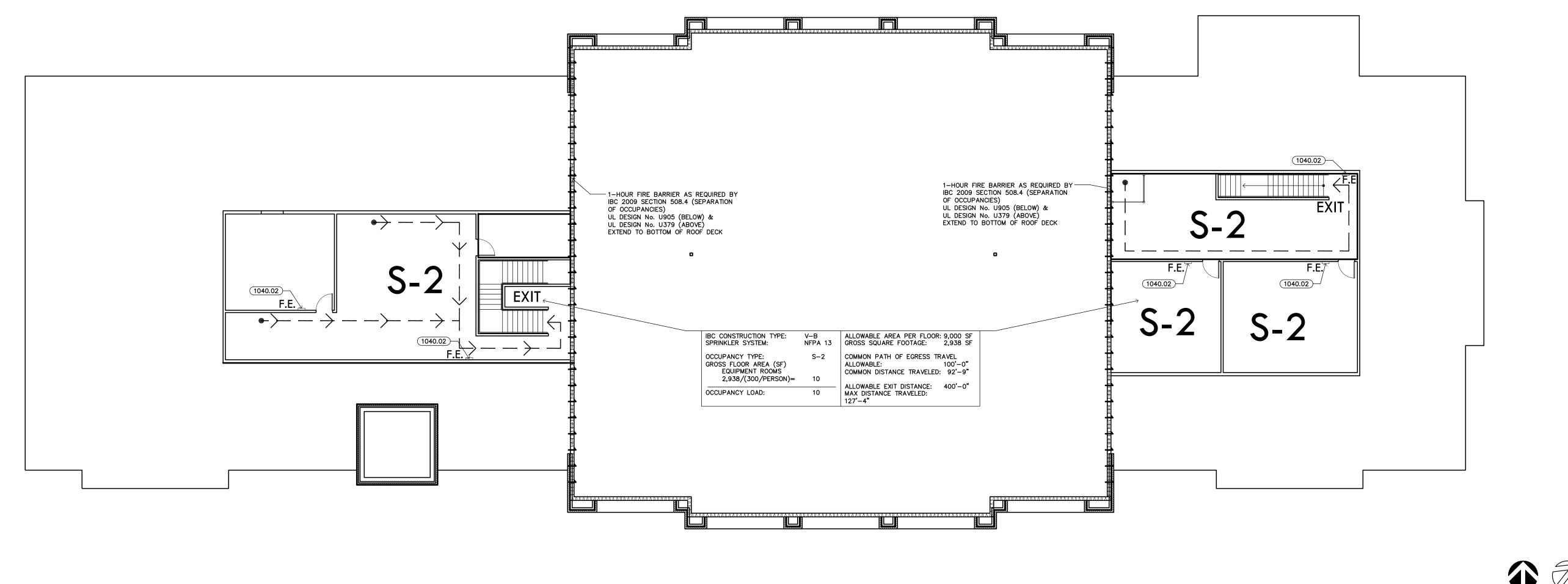
ST FLOOR PLAN COND FLOOR PLAN & GAS PLAN FER & GAS PLAN

INFORMATION

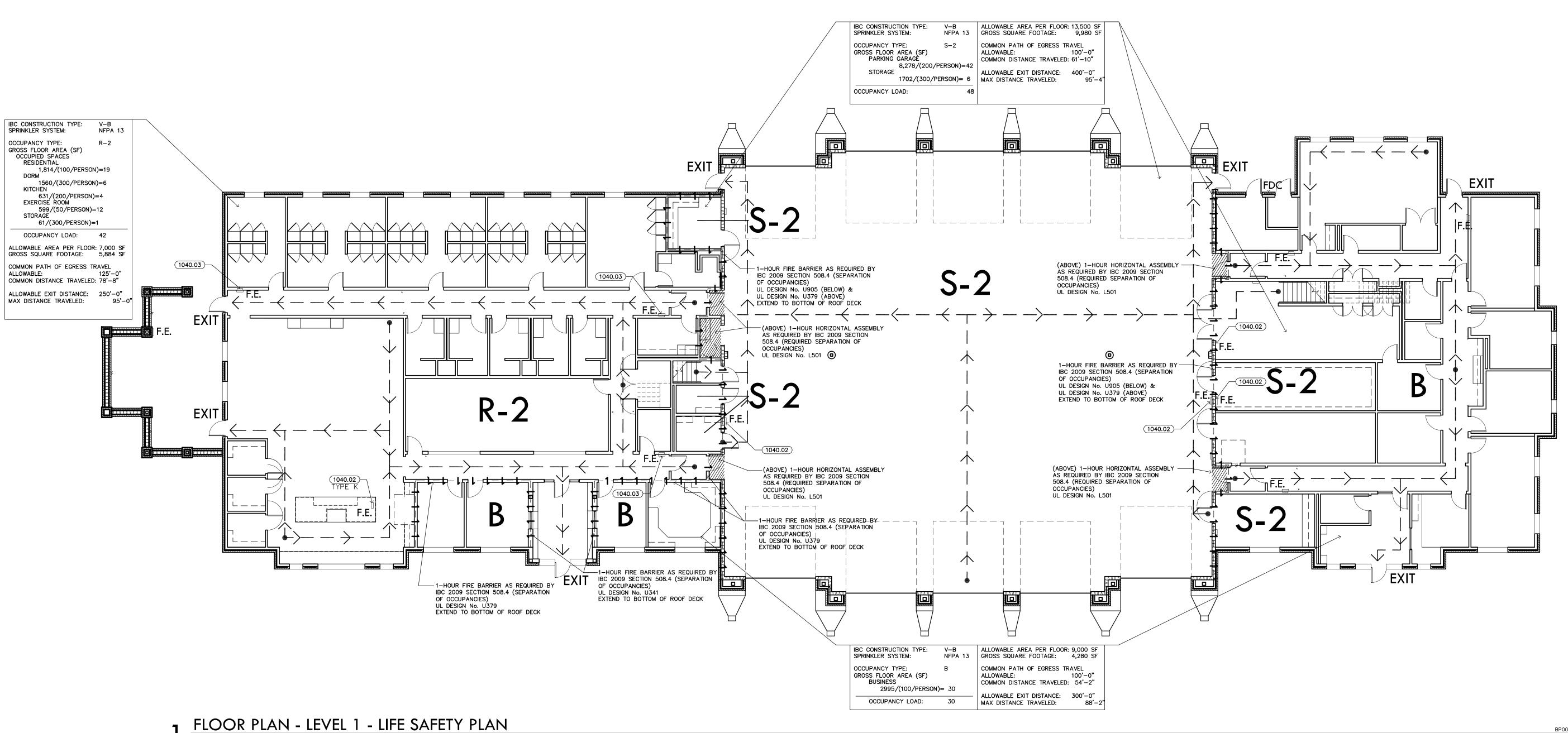
PLAN VER PLAN OWER PLAN R POWER PLAN G PLAN ITING PLAN RM PLAN ALARM PLAN G SYSTEM PLAN TING SYSTEM PLAN

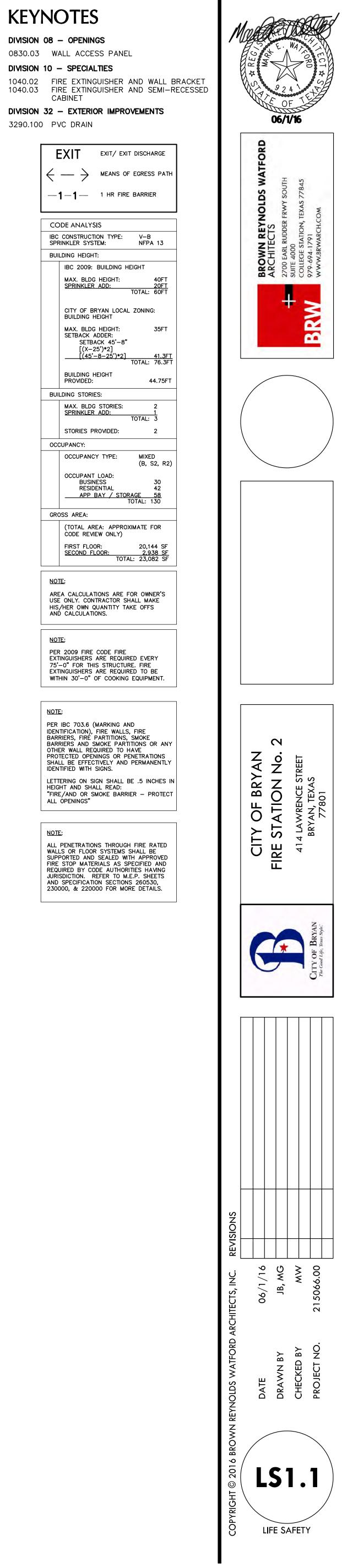


# $2 \frac{FLOOR PLAN - LEVEL 2 - LIFE SAFETY PLAN}{\frac{3}{32"} = 1'-0"}$



# 3/32" = 1'-0"



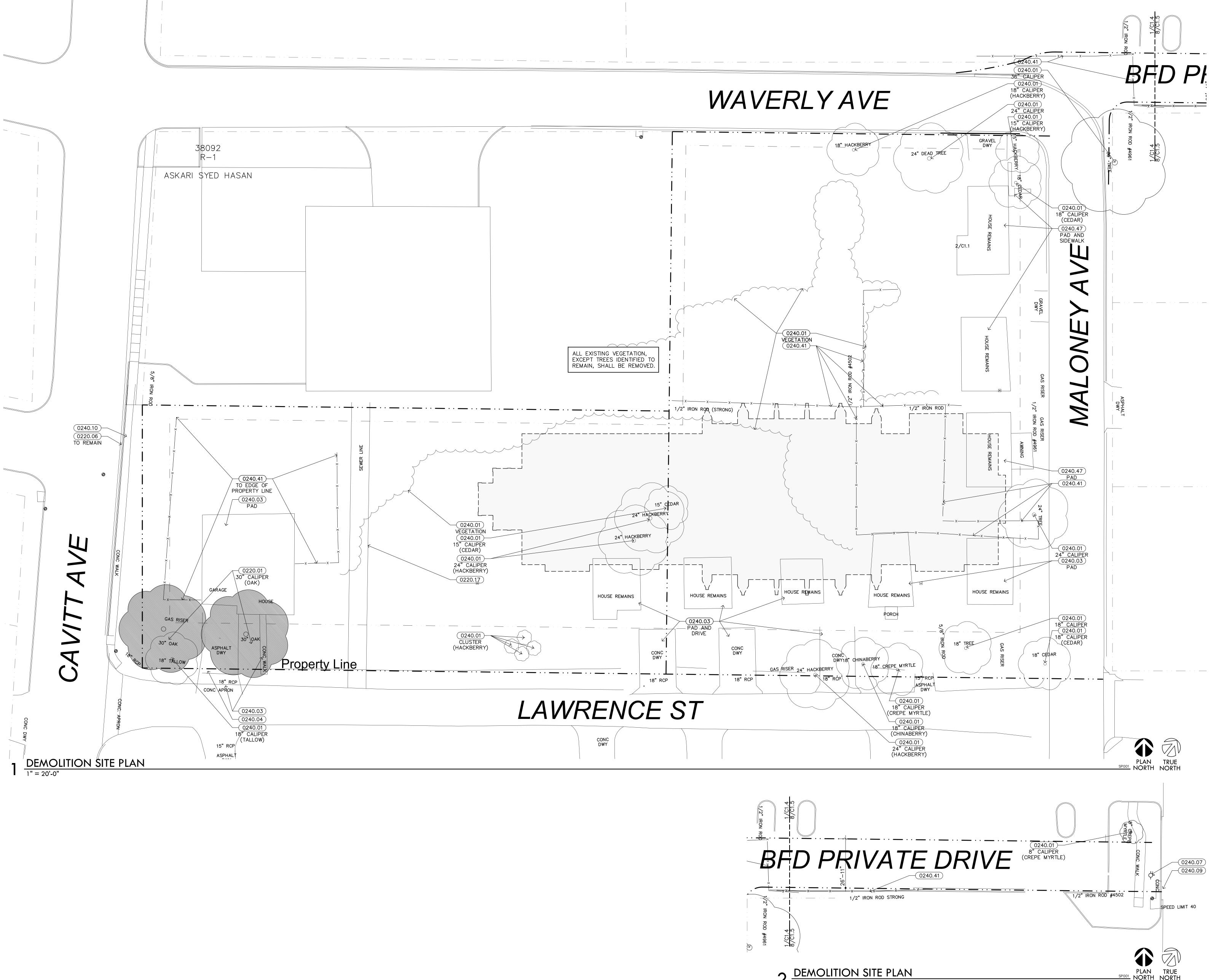


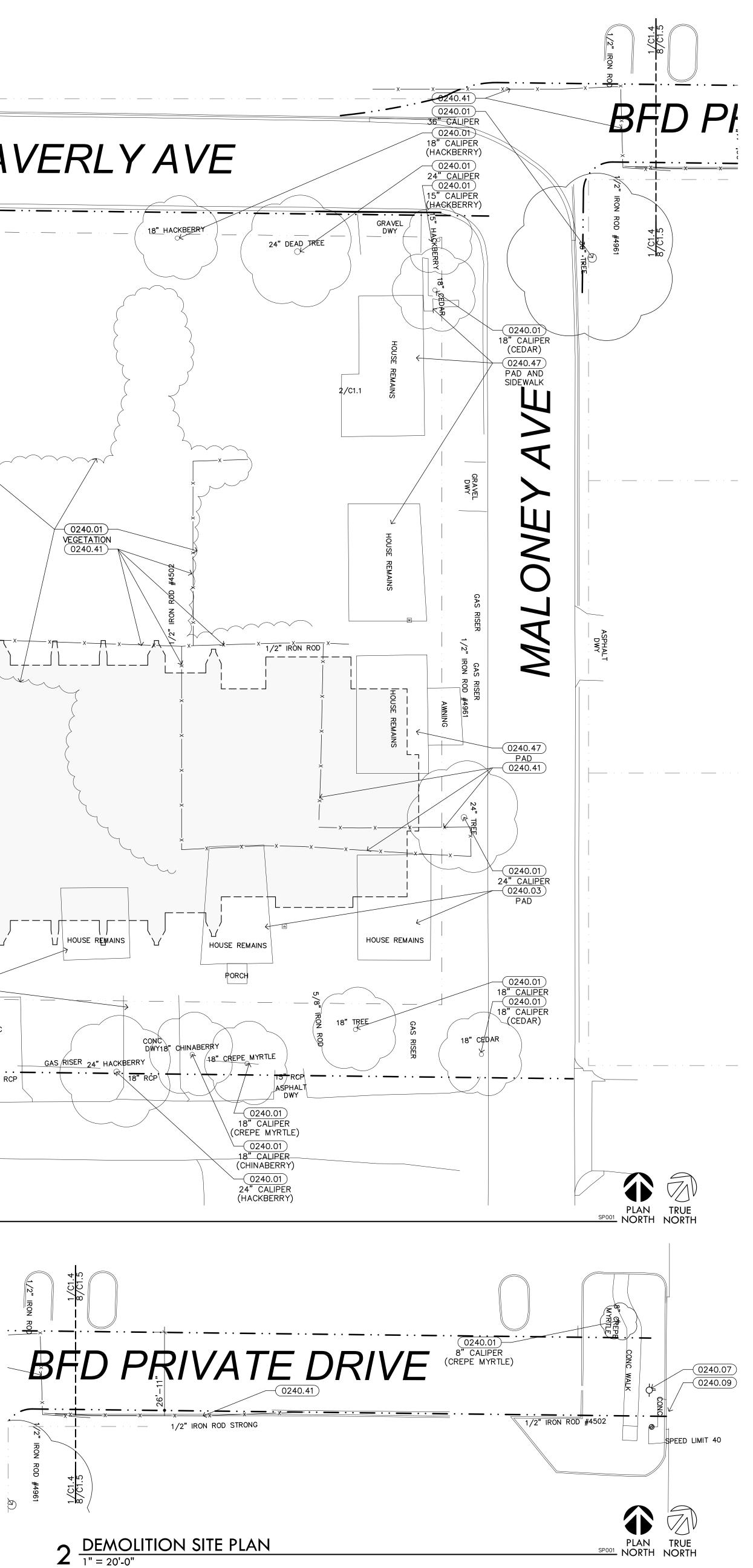




EXTINGUISHERS A WITHIN 30'-0" O
NOTE:
PER IBC 703.6 (M IDENTIFICATION), F BARRIERS, FIRE P BARRIERS AND SM OTHER WALL REQU PROTECTED OPENI SHALL BE EFFECT IDENTIFIED WITH S
LETTERING ON SIG HEIGHT AND SHAL "FIRE/AND OR SM ALL OPENINGS"
NOTE:
ALL PENETRATION WALLS OR FLOOR SUPPORTED AND FIRE STOP MATER REQUIRED BY COD







# **KEYNOTES**

DEMOLITION 0220.01 EXISTING TREE 0220.06 EXISTING CONCRETE CURB 0220.17 EXISTING SANITARY SEWER CLEANOUT 0240.01 REMOVE EXISTING TREE 0240.03 SAWCUT AND REMOVE EXISTING CONCRETE PAVING 0240.04 SAWCUT AND REMOVE EXISTING ASPHALT PAVING

SIDEWALK 0240.41 REMOVE EXISTING FENCE DEMOLITION GENERAL NOTES

DEMOLITION SCOPE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE JOB SITE AND VERIFYING THE EXISTING CONDITION. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES. 2. CONTRACTOR SHALL VISIT THE SITE AND

TO BE DEMOLISHED AND REMOVED AND TO INCLUDE THESE ITEMS AS A PART OF THEIR BID. 3. CONDUCT DEMOLITION OPERATIONS AND

MINIMUM INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.

TEMPORARY CONSTRUCTION FENCE AROUND PERIMETER OF SITE DURING DEMOLITION.

WITH CIVIL DRAWING. CONTRACTOR TO CONTACT LOCAL UTILITY AUTHORITY TO DISCONNECT, RELOCATE AND/OR CAP EXISTING UTILITIES INVOLVED IN DEMOLITION.

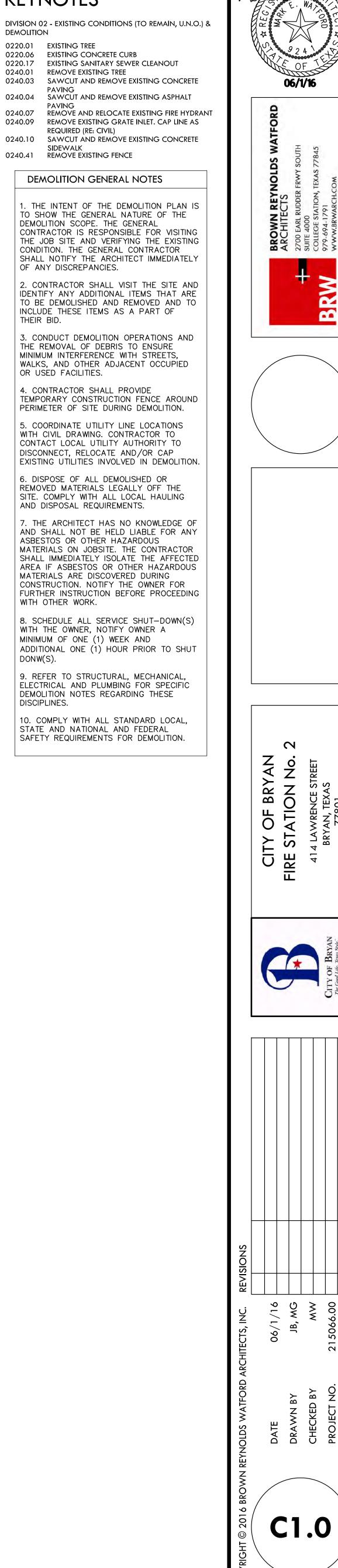
6. DISPOSE OF ALL DEMOLISHED OR REMOVED MATERIALS LEGALLY OFF THE SITE. COMPLY WITH ALL LOCAL HAULING AND DISPOSAL REQUIREMENTS.

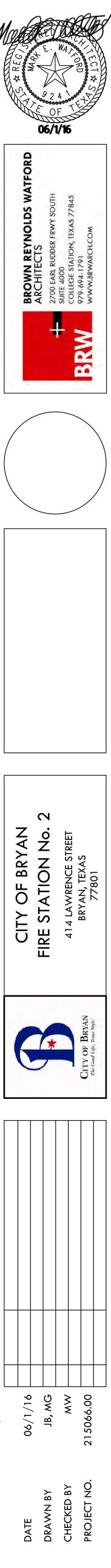
7. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE FOR ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ON JOBSITE. THE CONTRACTOR SHALL IMMEDIATELY ISOLATE THE AFFECTED AREA IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. NOTIFY THE OWNER FOR FURTHER INSTRUCTION BEFORE PROCEEDING WITH OTHER WORK.

8. SCHEDULE ALL SERVICE SHUT-DOWN(S) WITH THE OWNER, NOTIFY OWNER A MINIMUM OF ONE (1) WEEK AND ADDITIONAL ONE (1) HOUR PRIOR TO SHUT DONW(S).

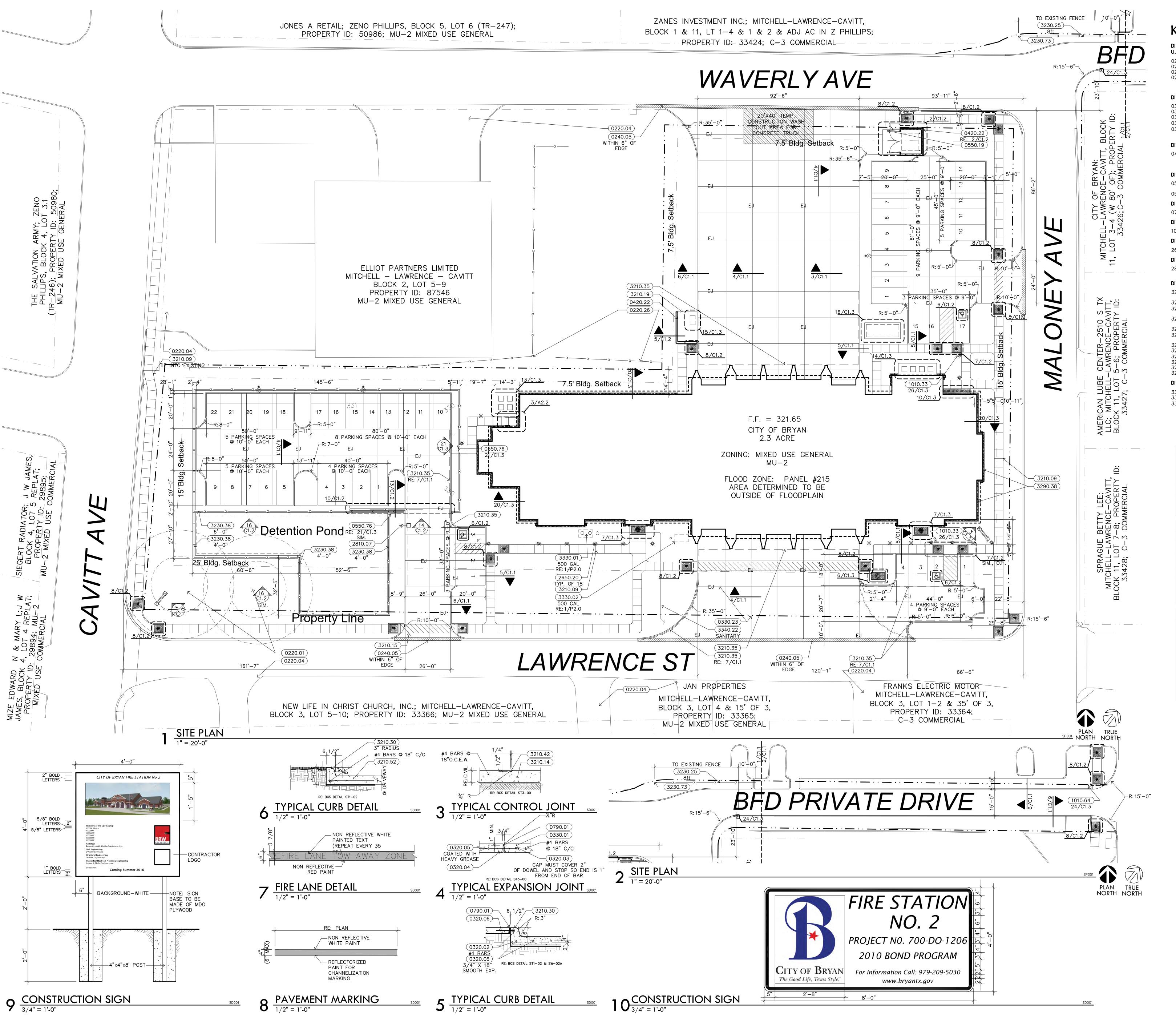
9. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR SPECIFIC DEMOLITION NOTES REGARDING THESE DISCIPLINES.

10. COMPLY WITH ALL STANDARD LOCAL, STATE AND NATIONAL AND FEDERAL SAFETY REQUIREMENTS FOR DEMOLITION.





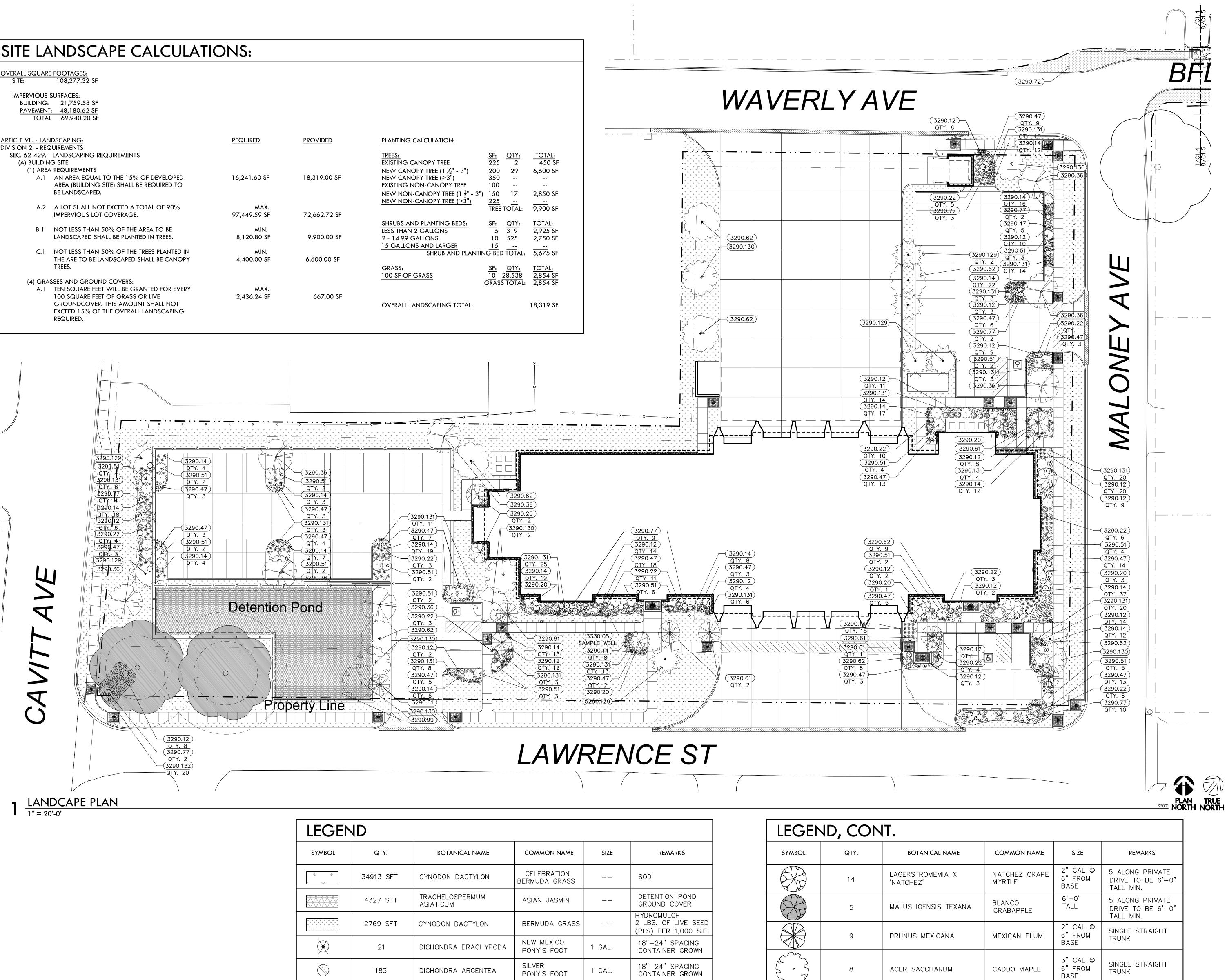
DEMOLITION SITE PLAN



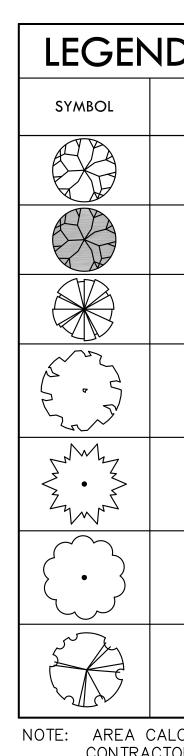
KEYNOTES	Me
NVISION 02 - EXISTING CONDITIONS (TO REMAIN,	RFO
U.N.O.) & DEMOLITION 220.01 EXISTING TREE	**
2220.04 EXISTING CONCRETE PAVING 2220.26 EXISTING FENCE 240.05 SAWCUT AND REMOVE EXISTING CONCRETE CURB. PATCH AND REPAIR PAVING AS	
REQUIRED IVISION 03 - CONCRETE	
0320.03 DOWEL SLEEVE AND END CAP 0320.04 DOWEL SUPPORT	
0320.04 DOWEL SUPPORT 0320.05 3/4" X 2'-0" SMOOTH DOWELS 0330.01 CONCRETE (RE: STRUCTURAL) 0330.23 CONCRETE EXPANSION JOINT - FILL WITH	
330.23 CONCRETE ÈXPANSION JOINT – FILL WITH JOINT SEALER 1/4" BELOW SURFACE	
1420.22 BRICK / CONCRETE MASONRY UNIT SCREEN WALL WITH HORIZONTAL	
REINFORCING AT 16" O.C. VERTICALLY NVISION 05 – METALS 1550.19 6" PIPE BOLLARD. FILL WITH CONCRETE	
AND PAINT SAFETY YELLOW 550.76 METAL GATE VISION 07 – THERMAL & MOISTURE PROTECTION	
790.01 SEALANT WITH BACKER ROD AS REQUIRED	
010.64 POLE MOUNTED SIGNAGE	2
850.20 BOLLARD LIGHT FIXTURE	
810.07 PARKING KEYPAD / CARD ACCESS CONTROL ON METAL STANCHION	
<b>DIVISION 32 – EXTERIOR IMPROVEMENTS</b> 5210.09 4" CONCRETE SIDEWALK WITH #3'S AT 18"	
0.C.E.W. 5210.14 CONCRETE PAVING (RE: CIVIL) 5210.15 CONCRETE APPROACH PER CITY	
REQUIREMENTS 210.19 CONCRETE TRANSFORMER PAD PER POWER	
COMPANY REQUIREMENTS 5210.30 6" CONCRETE CURB (RE: CIVIL) 5210.35 FIRE LANE STRIPING PER CITY	
REQUIREMENTS 210.42 SAWCUT CONTROL JOINT	
210.52 7" CONCRETE PAVING (RE: CIVIL) 230.25 CHAIN-LINK FENCE WITH VINYL INSERTS 230.38 DECORATIVE METAL FENCE	
230.38 DECORATIVE METAL FENCE 230.73 FENCE POST 290.38 RIVERSTONE	
<b>IVISION 33 – UTILITIES (RE: CIVIL &amp; MEP)</b>	
5330.02 SAND / OIL SEPARATOR 5340.22 6" PVC PIPE	
SITE INFORMATION         NOTE: SITE TABULATIONS ARE FOR CITY OF         BRYAN REFERENCE ONLY. CONTRACTOR IS         RESPONSIBLE FOR MAKING QUANTITY AND         AREA CALCULATIONS.         SITE AREA:       2.3 ACRES         BUILDING AREA:       23,082 SQ. FT.         (RE: LS1.1 FOR FURTHER         BREAKDOWN)         PARKING         OCCUP.       RATIO         CALC UNIT.       REQ'D         OFFICE       1: 300       4,280 SF         TOTAL       PROVIDED       30         TOTAL       PROVIDED       30         TOTAL       PROVIDED       30         TOTAL       PROVIDED       46         HANDICAP:       2       2         HANDICAP:       2       49	
GENERAL NOTES	
1.) PER FIRMETTE #48041C0215F, BRYAN FIRE STATION NO. 2 IS LOCATED OUTSIDE OF FLOOD PLAIN ZONE X.	
2.)THE SITE DOES NOT OFFER WASHING/CLEANING SERVICE OR	
OPERATIÓNS.	
3.)THE SITE DOES NOT GENERATE WASTEWATER FROM MANUFACTURING AND/OR PREPARING FOOD ITEMS TO PUBLIC/CUSTOMERS.	
	SNC
	REVISIONS
	CTS, INC.
	ITECT
	ARCI
	VOLDS WATFORD ARCHITE
	S WA
	40ID;



SITE LA	ANDSCAPE CALCULAT	IONS:	
OVERALL SQUAR SITE:	<u>E FOOTAGES:</u> 108,277.32 SF		
	21,759.58 SF T: 48,180.62 SF		
ARTICLE VII LAN DIVISION 2 REC SEC. 62-429. (A) BUILDIN	QUIREMENTS - LANDSCAPING REQUIREMENTS	REQUIRED	PROVIDED
(1) AREA A.1	A REQUIREMENTS AN AREA EQUAL TO THE 15% OF DEVELOPED AREA (BUILDING SITE) SHALL BE REQUIRED TO BE LANDSCAPED.	16,241.60 SF	18,319.00 SF
A.2	A LOT SHALL NOT EXCEED A TOTAL OF 90% IMPERVIOUS LOT COVERAGE.	MAX. 97,449.59 SF	72,662.72 SF
B.1	NOT LESS THAN 50% OF THE AREA TO BE LANDSCAPED SHALL BE PLANTED IN TREES.	MIN. 8,120.80 SF	9,900.00 SF
C.1	NOT LESS THAN 50% OF THE TREES PLANTED IN THE ARE TO BE LANDSCAPED SHALL BE CANOPY TREES.	MIN. 4,400.00 SF	6,600.00 SF
(4) GRA A.1	SSES AND GROUND COVERS: TEN SQUARE FEET WILL BE GRANTED FOR EVERY 100 SQUARE FEET OF GRASS OR LIVE GROUNDCOVER. THIS AMOUNT SHALL NOT EXCEED 15% OF THE OVERALL LANDSCAPING REQUIRED.	MAX. 2,436.24 SF	667.00 SF



LEGEND					
SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
\\ \\ \ \\	34913 SFT	CYNODON DACTYLON	CELEBRATION BERMUDA GRASS		SOD
	4327 SFT	TRACHELOSPERMUM ASIATICUM	ASIAN JASMIN		DETENTION POND GROUND COVER
· · · · · · · · · · · · · · · · · · ·	2769 SFT	CYNODON DACTYLON	BERMUDA GRASS		HYDROMULCH 2 LBS. OF LIVE SEED (PLS) PER 1,000 S.F.
$\bigotimes$	21	DICHONDRA BRACHYPODA	NEW MEXICO PONY'S FOOT	1 GAL.	18"-24" SPACING CONTAINER GROWN
$\bigcirc$	183	DICHONDRA ARGENTEA	SILVER PONY'S FOOT	1 GAL.	18"-24" SPACING CONTAINER GROWN
	123	LANTANA CAMARA 'NEW GOLD'	LANTANA NEW GOLD	1 GAL.	18"-24" SPACING CONTAINER GROWN
⋇	258	PENNISETUM SETACEUM 'RUBRUM'	PURPLE FOUNTAIN GRASS	1 GAL.	18"-24" SPACING CONTAINER GROWN
$\bigotimes$	124	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	2 GAL.	18"-24" SPACING CONTAINER GROWN
$\bigcirc$	46	MYRICA PUSILLA	DWARF WAX MYRTLE	2 GAL.	2'-3' SPACING CONTAINER GROWN
	57	ROSA X 'RADSUNNY'	SUNNY KNOCK OUT ROSE	2 GAL.	2'-3' SPACING CONTAINER GROWN
	48	ROSA X 'RADSUNNY'	TEXAS SAGE	5 GAL.	3' SPACING CONTAINER GROWN



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# **KEYNOTES**

3290.12	DWARF YAUPON HO
3290.129	BALD CYPRESS
3290.130	CADDO MAPLE
3290.131	SILVER PONY'S FOO
3290.132	NEW MEXICO PONY'
3290.14	FOUNTAIN GRASS
3290.20	CRAPEMYRTLE
3290.22	KNOCKOUT ROSES
3290.36	RED OAK
3290.47	LANTANA
3290.51	TEXAS SAGE
3290.61	MEXICAN PLUM
3290.61	MEXICAN PLUM
3290.62	LIVE OAK
3290.72	HYDROMULCH
3290.77	DWARF WAX MYRTI
3290.99	ASIAN JASMINE
DIVISION 3	3 - UTILITIES (RE:

NOTE: AREA CALCULATIONS ARE FOR OWNER USE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR OWN TAKE OFFS & CALCULATIONS.

ACER SACCHARUM

TAXODIUM DISTICHUM

QUERCUS VIRGINIANA

QUERCUS SHUMARDII

CADDO MAPLE

BALD CYPRESS

TEXAS RED OAK

(SHUMARD RED | 6" FROM

LIVE OAK

OAK)

SINGLE STRAIGHT TRUNK

SINGLE STRAIGHT TRUNK

SINGLE STRAIGHT TRUNK

SINGLE STRAIGHT

TRUNK

3" CAL @

6"FROM

3" CAL @

6"FROM

3" CAL @

BASE

BASE

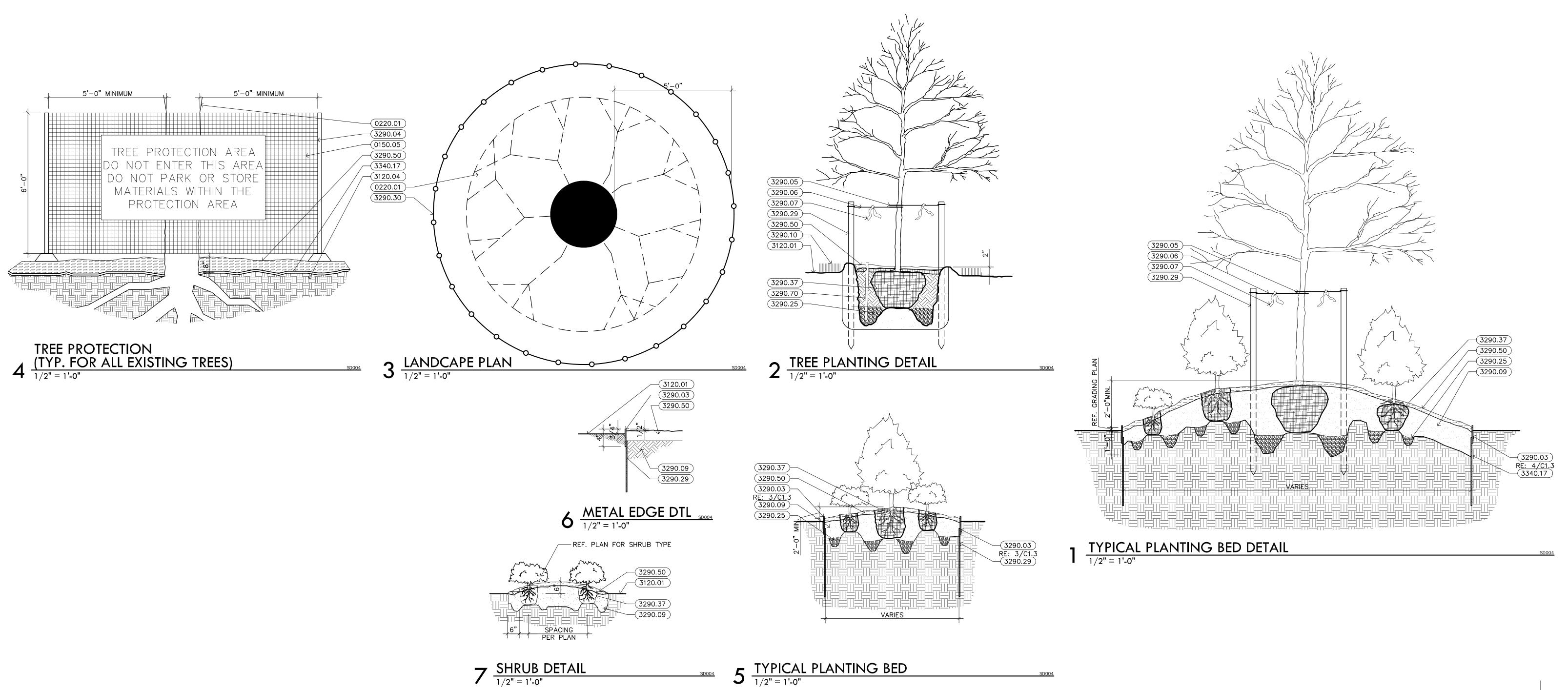
BASE

DIVISION 32 - EXTERIOR IMPROVEMENTS ON HOLLY

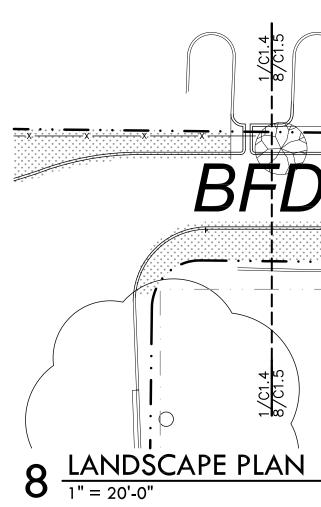
> 'S FOOT PONY'S FOOT DSES

YRTLE (RE: CIVIL & MEP) 3330.05 SANITARY SEWER MANHOLE (RE: CIVIL)





 $5 \frac{\text{TYPICAL PLANTING BED}}{1/2" = 1'-0"}$ 



**KEYNOTES** 

3290.29 STEEL STAKE
3290.30 TREE BARRICADE (BARRICADE DIAMETER = (TREE CAL. X 12) + 12")
3290.37 ROOT BALL
3290.50 BARK MULCH
3290.70 3" PERFORATED PVC PIPE WITH CAP
3290.72 HYDROMULCH DIVISION 33 - UTILITIES (RE: CIVIL & MEP)

3290.20 QTY. 5 6FT. TALL 3290.13 3290.72 BED PRIVATE DRIVE

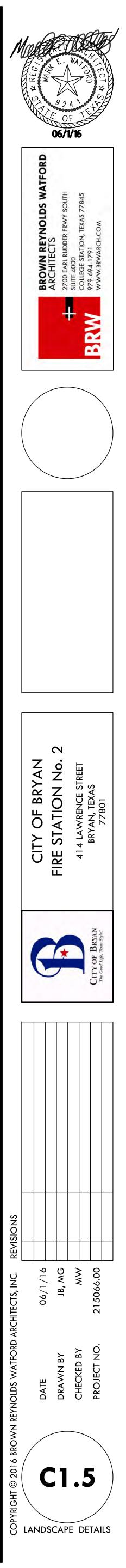
3290.72

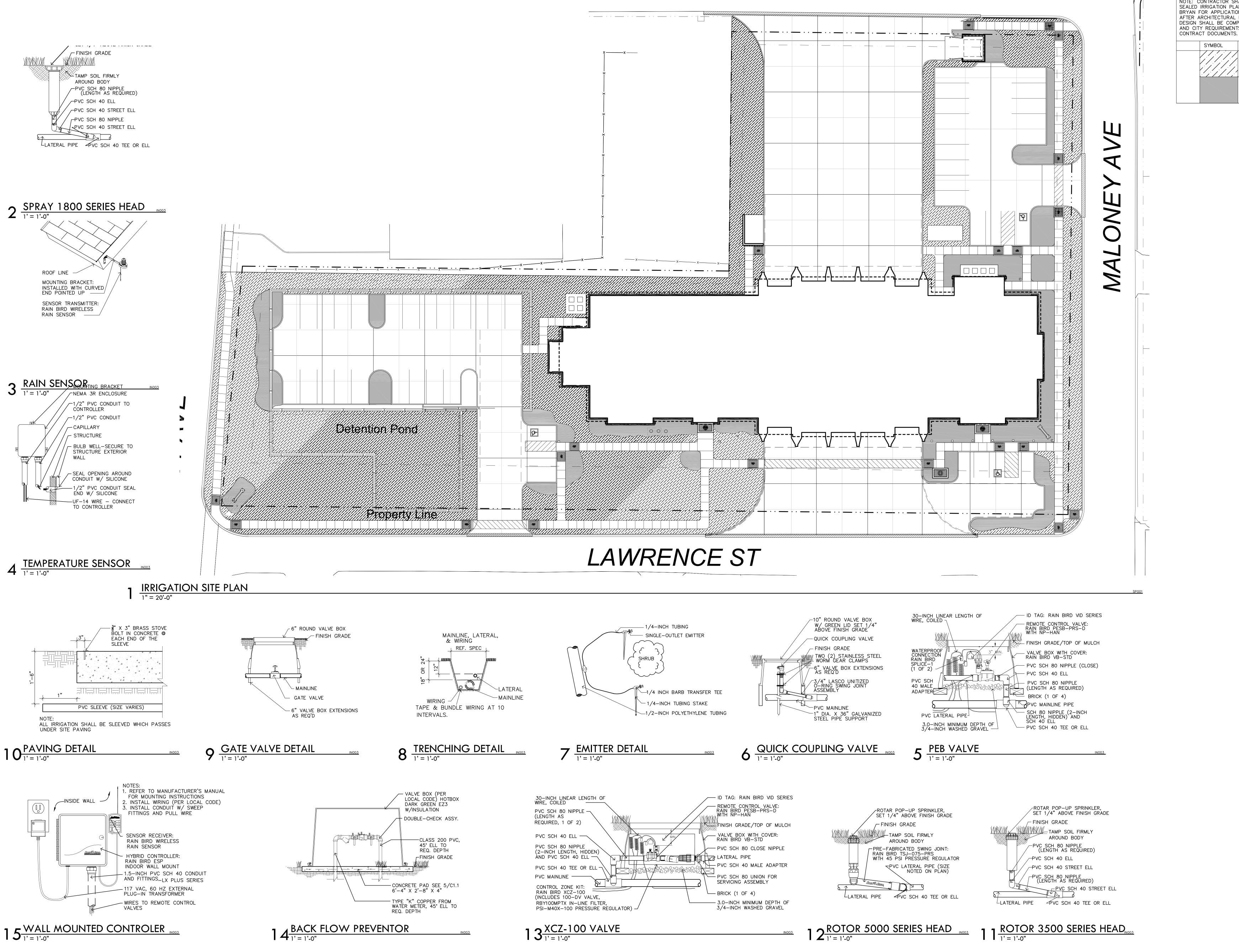
L REQUIREMENTS TREE PROTECTION G CONDITIONS (TO REMAIN,

R IMPROVEMENTS METAL EDGING L TREE POST (3 PER TREE)

SOIL MIX CH INSIDE BARRICADE FENCE L DISTURBED EARTH ABAPPLE

3340.17 GEOTEXTILE EROSION CONTROL

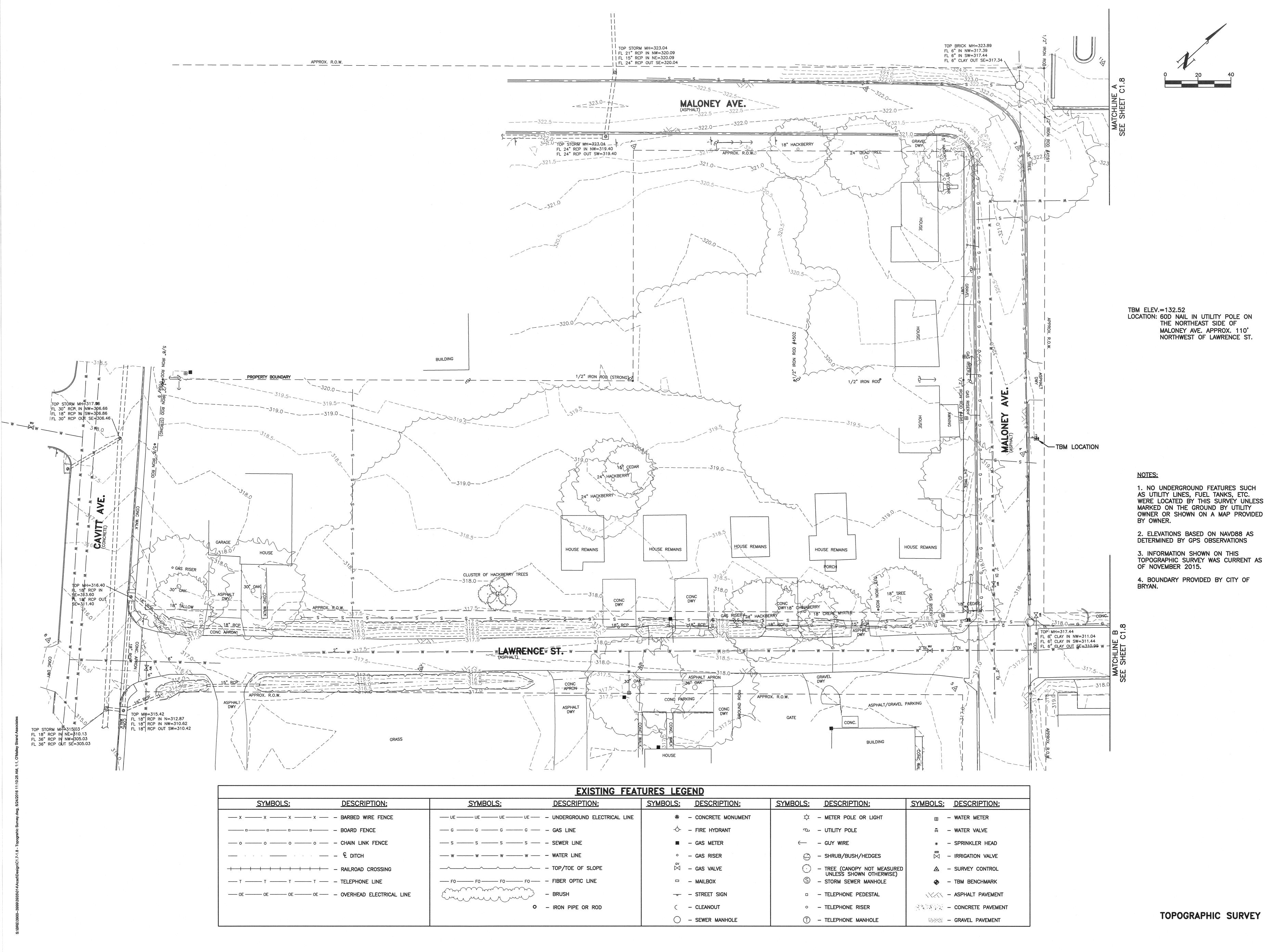




# WAVERLY AVE

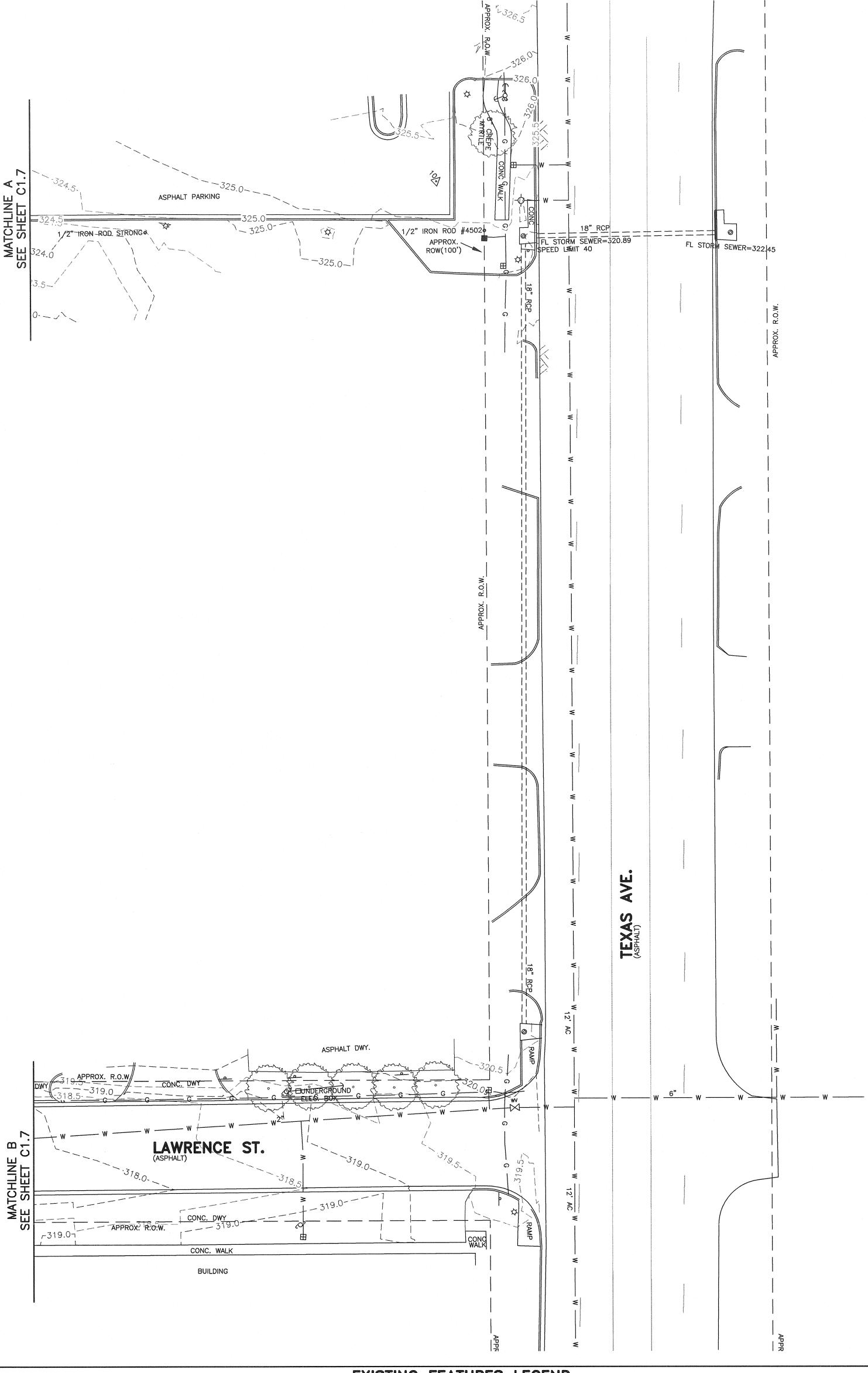
IRRIGATION LEGEND NOTE: CONTRACTOR SHALL SUBMIT A SEALED IRRIGATION PLAN TO THE CITY OF BRYAN FOR APPLICATION OF PERMITTING, AFTER ARCHITECTURAL REVIEW. IRRIGATION DESIGN SHALL BE COMPLIANCE WITH STAT AND CITY REQUIREMENTS, AS WELL AS DESCRIPTION AREA TO BE IRRIGATED WITH SPRAY HEADS ROTARY HEADS PLANTING BEDS TO BE DRIP IRRIGATED





811.911.007.211.027.814.029.0455.009.14	EXISTING FEATURES LEGEND						
	SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:			
	UE UE UE UNDERGROUND ELECTRICAL LINE	ONCRETE MONUMENT	$\dot{a}$ - Meter pole or light	⊞ – WATER METER			
	G G G GAS LINE		∽ – UTILITY POLE	🛱 - WATER VALVE			
	— s — s — s — s — <b>s — S EWER LINE</b>	📾 – GAS METER	← – GUY WIRE	* - SPRINKLER HEAD			
	w w w wATER LINE	° – GAS RISER	😂 – Shrub/Bush/Hedges	🕅 – IRRIGATION VALVE			
	– TOP/TOE OF SLOPE	ov − GAS VALVE	- TREE (CANOPY NOT MEASURED UNLESS SHOWN OTHERWISE)	▲ – SURVEY CONTROL			
	FO FO FO FIBER OPTIC LINE	🗆 — MAILBOX	S - STORM SEWER MANHOLE	TBM BENCHMARK			
	- BRUSH	STREET SIGN	D – TELEPHONE PEDESTAL	ASPHALT PAVEMENT			
	• - IRON PIPE OR ROD	C – CLEANOUT	<ul> <li>– TELEPHONE RISER</li> </ul>	- CONCRETE PAVEMENT			
		— SEWER MANHOLE	T – TELEPHONE MANHOLE	STATES - GRAVEL PAVEMENT			

**Rey** <2.55</td> ROBERT C. SCHMID (2000-5-5/20/16 rand Inc. Š O'Malley Associate 203 S. Jac Brenham, Te (979) 836 TBPE No. TBPLS No. 1 STRAND Associates OSA JOB # 3935.014 N CITY OF BRYAN FIRE STATION No. 2 4 LAWR BRYAN, 77 1\* , BG RCS 014 BY DBY C1.7



	SYMBOLS:	<b>DESCRIPTION:</b>
and the second se	xxxx	- BARBED WIRE FENC
	0 0 0 0	- BOARD FENCE
	o o o	- CHAIN LINK FENCE
	· · · · · ·	–   Штсн
	-++-+-+-+-+-+++++++++	- RAILROAD CROSSING
	— T — T — T — T — T —	- TELEPHONE LINE
	OE OE OE OE	- OVERHEAD ELECTRIC

# CRIPTION:

- ED WIRE FENCE
- D FENCE
- LINK FENCE
- ГСН
- OAD CROSSING
- HEAD ELECTRICAL LINE

EXISTING FEATURES LEGEND					
SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:	SYMBOLS: DESCRIPTION:		
UE UE UE UE UNDERGROUND ELECTRICAL LINE	CONCRETE MONUMENT	lpha - meter pole or light	⊞ – WATER METER		
G G G G <b> GAS LINE</b>		യ – UTILITY POLE	🛱 – WATER VALVE		
—— s —— s —— s —— s — – sewer line	GAS METER	- GUY WIRE	* - SPRINKLER HEAD		
w w w wATER LINE	° – GAS RISER	- SHRUB/BUSH/HEDGES	IRR - IRRIGATION VALVE		
– TOP/TOE OF SLOPE	GV - GAS VALVE	<ul> <li>TREE (CANOPY NOT MEASURED UNLESS SHOWN OTHERWISE)</li> </ul>	▲ – SURVEY CONTROL		
FO FO FO FIBER OPTIC LINE		S - STORM SEWER MANHOLE	🗢 – TBM BENCHMARK		
Engeneration - BRUSH	STREET SIGN	- TELEPHONE PEDESTAL	ASPHALT PAVEMENT		
• - IRON PIPE OR ROD	C - CLEANOUT	• - TELEPHONE RISER	CONCRETE PAVEMENT		
	— SEWER MANHOLE	T - TELEPHONE MANHOLE	Server - GRAVEL PAVEMENT		

TBM ELEV.=132.52 LOCATION: 60D NAIL IN UTILITY POLE ON THE NORTHEAST SIDE OF MALONEY AVE. APPROX. 110' NORTHWEST OF LAWRENCE ST.

### NOTES:

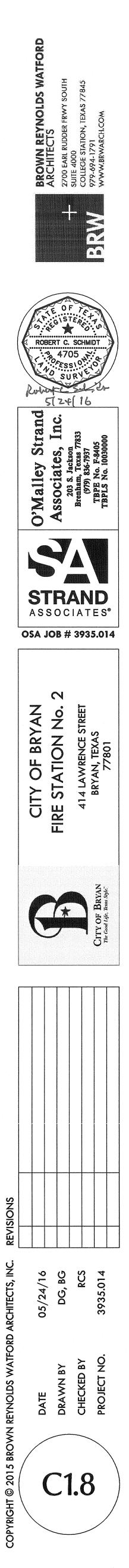
.

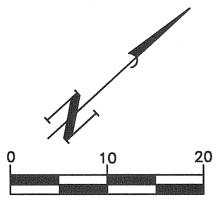
1. NO UNDERGROUND FEATURES SUCH AS UTILITY LINES, FUEL TANKS, ETC. WERE LOCATED BY THIS SURVEY UNLESS MARKED ON THE GROUND BY UTILITY OWNER OR SHOWN ON A MAP PROVIDED BY OWNER.

2. ELEVATIONS BASED ON NAVD88 AS DETERMINED BY GPS OBSERVATIONS

3. INFORMATION SHOWN ON THIS TOPOGRAPHIC SURVEY WAS CURRENT AS OF NOVEMBER 2015.

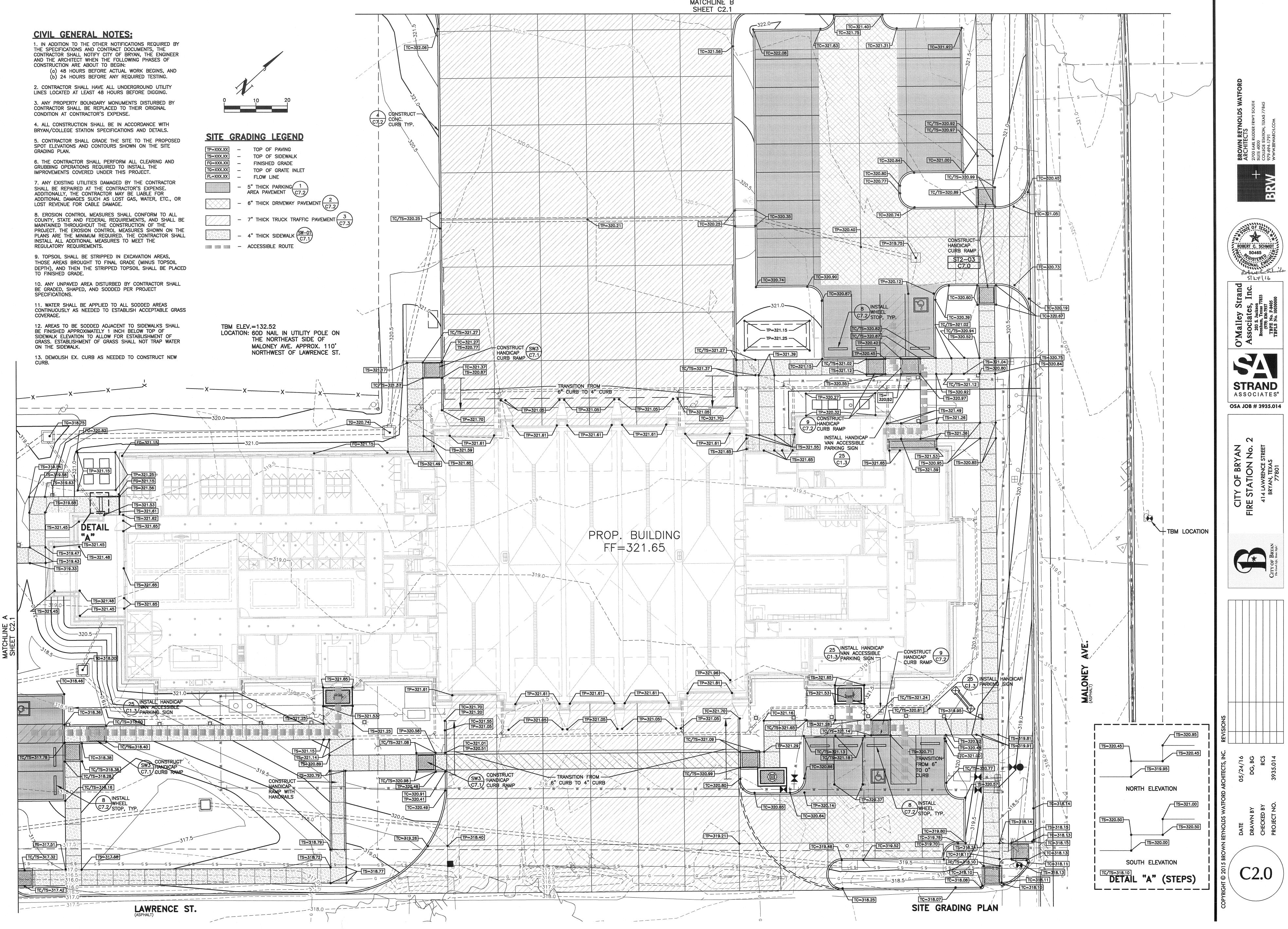
TOPOGRAPHIC SURVEY



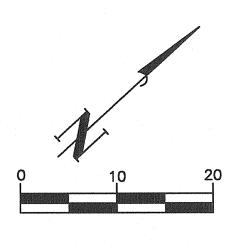


TP=XXX.XX	-	TOP OF PAVING
TS=XXX.XX	-	TOP OF SIDEWALK
FG=XXX.XX	#10000	FINISHED GRADE
TG=XXX.XX		TOP OF GRATE INLET
FL=XXX.XX		FLOW LINE
		5" THICK PARKING 1 AREA PAVEMENT C7.2
	ainteen.	6" THICK DRIVEWAY PAVEMENT 2 C7.2
		7" THICK TRUCK TRAFFIC PAVEMENT
		4" THICK SIDEWALK (SW-01) C7.1

# THE NORTHEAST SIDE OF MALONEY AVE. APPROX. 110'

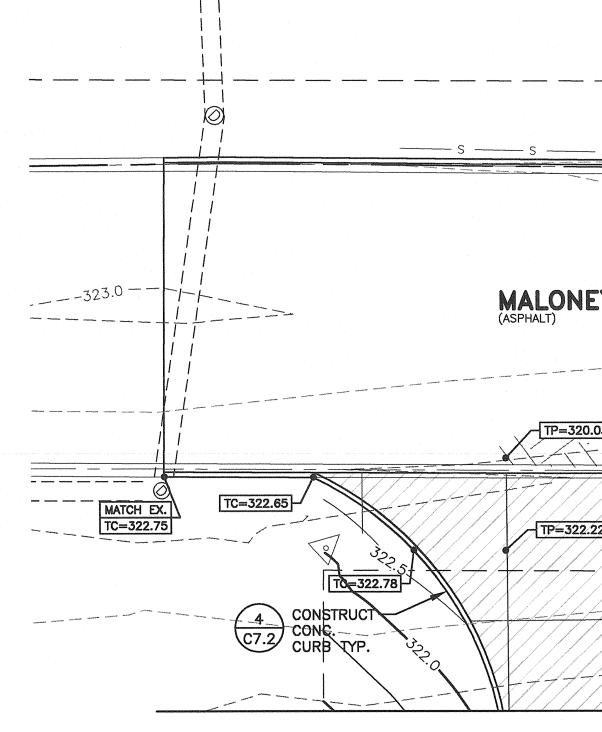


## MATCHLINE B



# SITE GRADING LEGEND

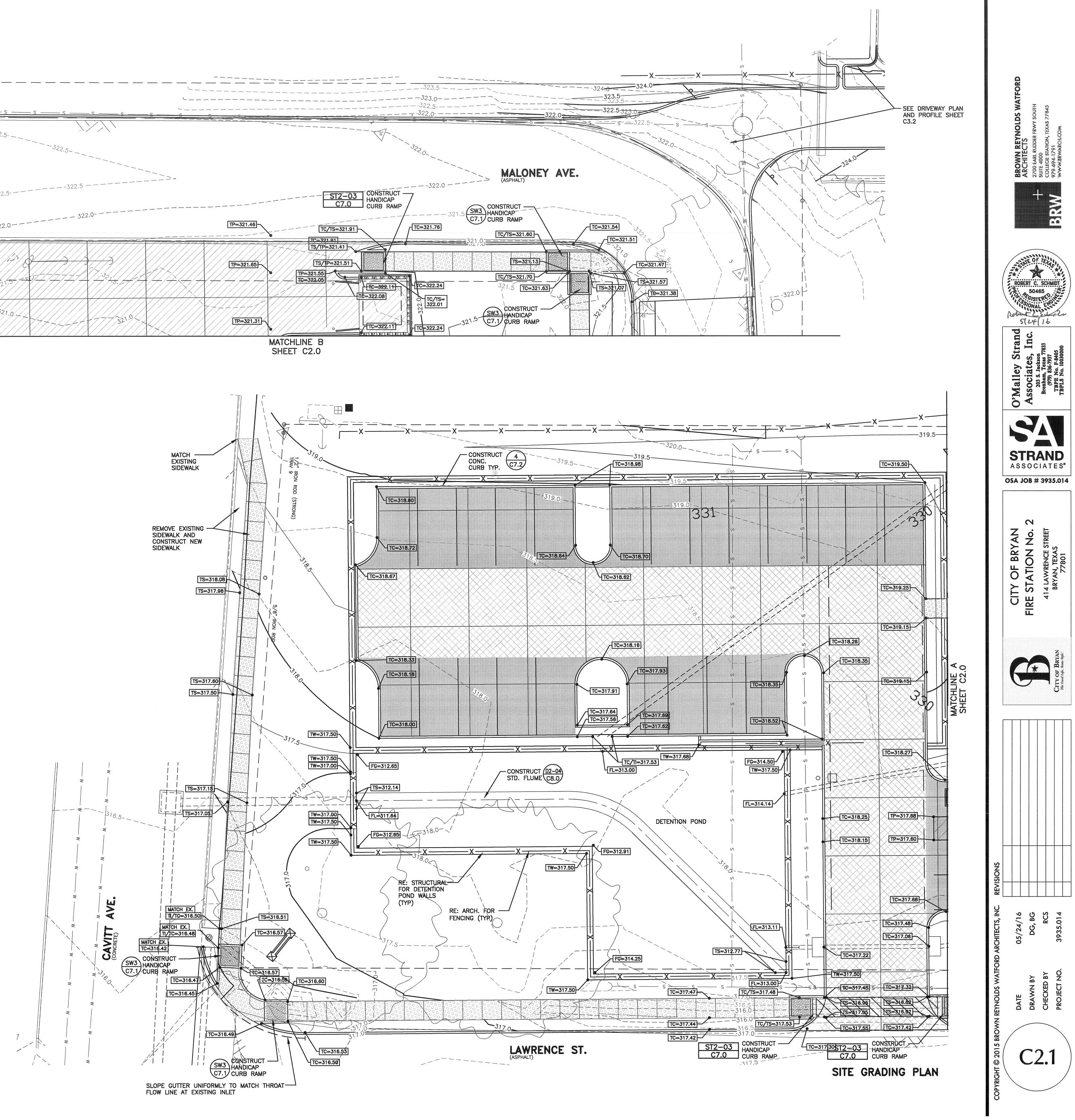
TP=XXX.XX	-	TOP OF PAVING
TS=XXX.XX	aininte	TOP OF SIDEWALK
FG=XXX.XX		FINISHED GRADE
TG=XXX.XX		TOP OF GRATE INLET
FL=XXX.XX	-	FLOW LINE
		5" THICK PARKING 1 AREA PAVEMENT C7.2
		6" THICK DRIVEWAY PAVEMENT 2 C7.2
		7" THICK TRUCK TRAFFIC PAVEMENT
	-	4" THICK SIDEWALK (SW-01) C7.1
		ACCESSIBLE ROUTE

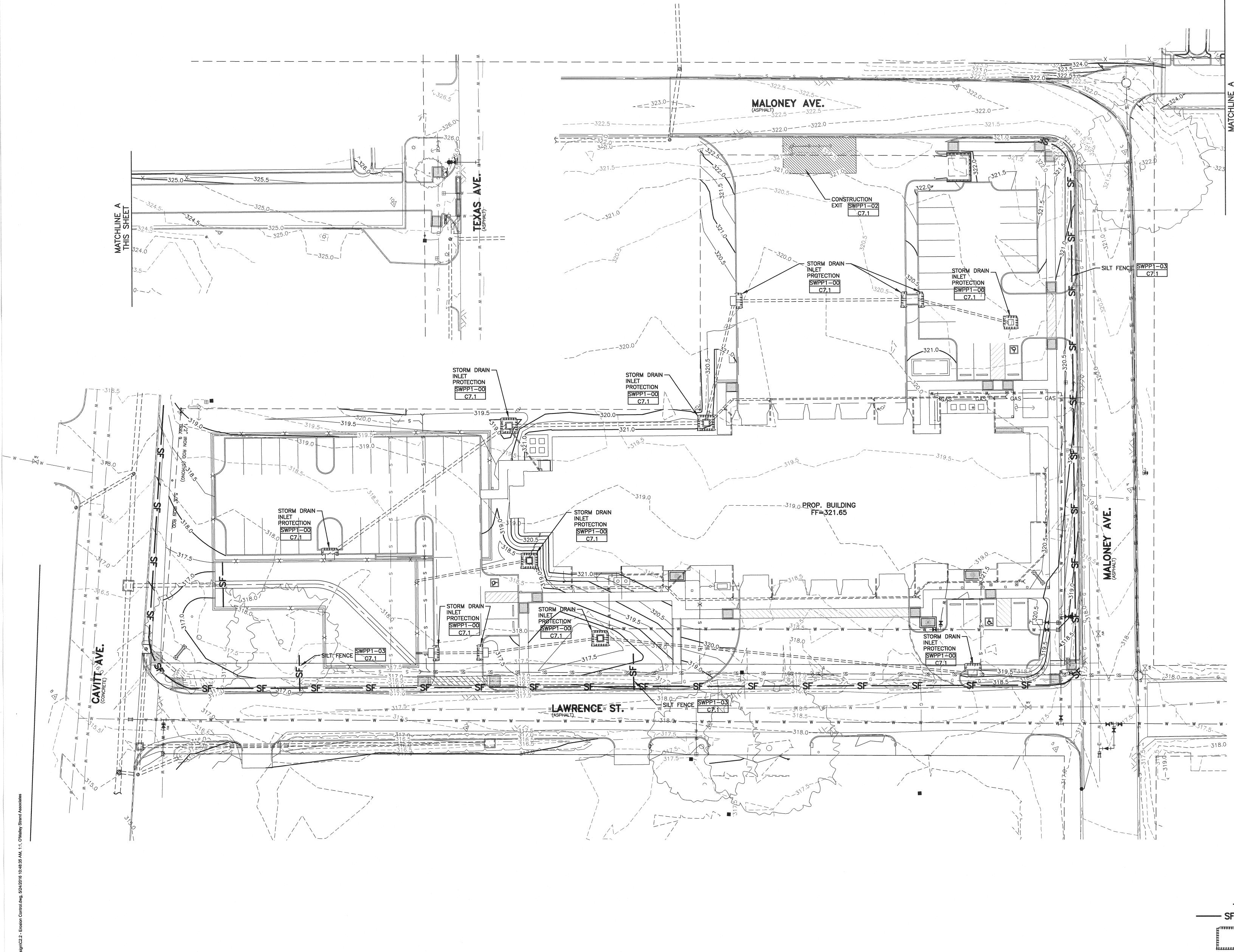


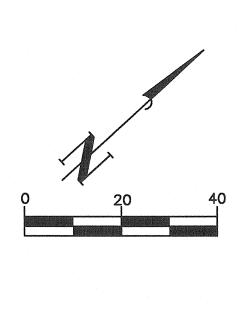
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						322.0
IEY	AVE.					
and annexes arranged		322.5			<u>ST2–03</u> C7.0	CONSTRUCT
20.03	322.0	322.0		TP=321.46		
	77777777		777X77777777		TC=321.81 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
2.22]				[TP=321.65]	TS/TP=321.51	
					TP=321.55 TC=322.05	TC=322.11
			Λ. <sup>0</sup>			=322.08 -322.08 -322.08 -322.08 -322.08 -322.08 -322.08 -725 -72
		777777777777777777777777777777777777777		TP=321,31		









### EROSION CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORM WATER POLLUTION PREVENTION AND PLANNING IN ACCORDANCE WITH PROJECT TECHNICAL SPECIFICATION. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL INSTALL SILT FENCING, EROSION CONTROL SOCKS AND CONSTRUCTION ENTRANCE AS SHOWN ON THIS SHEET. THE SILT FENCING SHALL BE ERECTED IN ADDITION TO ANY STRUCTURAL CONTROLS THAT MAY BE STIPULATED IN A STORM WATER POLLUTION PREVENTION PLAN (SW3P) THAT IS PREPARED BY CONTRACTOR AS OPERATOR OF THE SITE. THE SILT FENCING SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION AND THEN REMOVED BY CONTRACTOR AFTER FINAL STABILIZATION OF THE SITE.

2. CONTRACTOR SHALL INSTALL SAND BAGS AT ALL PROPOSED AREA INLETS AND CURB INLETS.

3. SEDIMENT SHALL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE.

4. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROLS WILL BE REPAIRED OR REPLACED IMMEDIATELY.

5. WHEN PUMPING (DEWATERING) STANDING STORM WATER FROM THE SITE, THE OPERATOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs) FROM THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES THAT ADDRESS DEWATERING ACTIVITIES. UNTREATED/DIRECT DISCHARGE INTO A STORM SEWER WILL NOT BE ALLOWED.

6. IF THE INTERIM PERIOD BETWEEN CONSTRUCTION OF UTILITIES AND STREET CONSTRUCTION WILL BE MORE THAN 21 DAYS, THE STREETS RIGHTS-OF-WAY WILL BE MULCHED OR OTHERWISE STABILIZED WITHIN 14 DAYS.

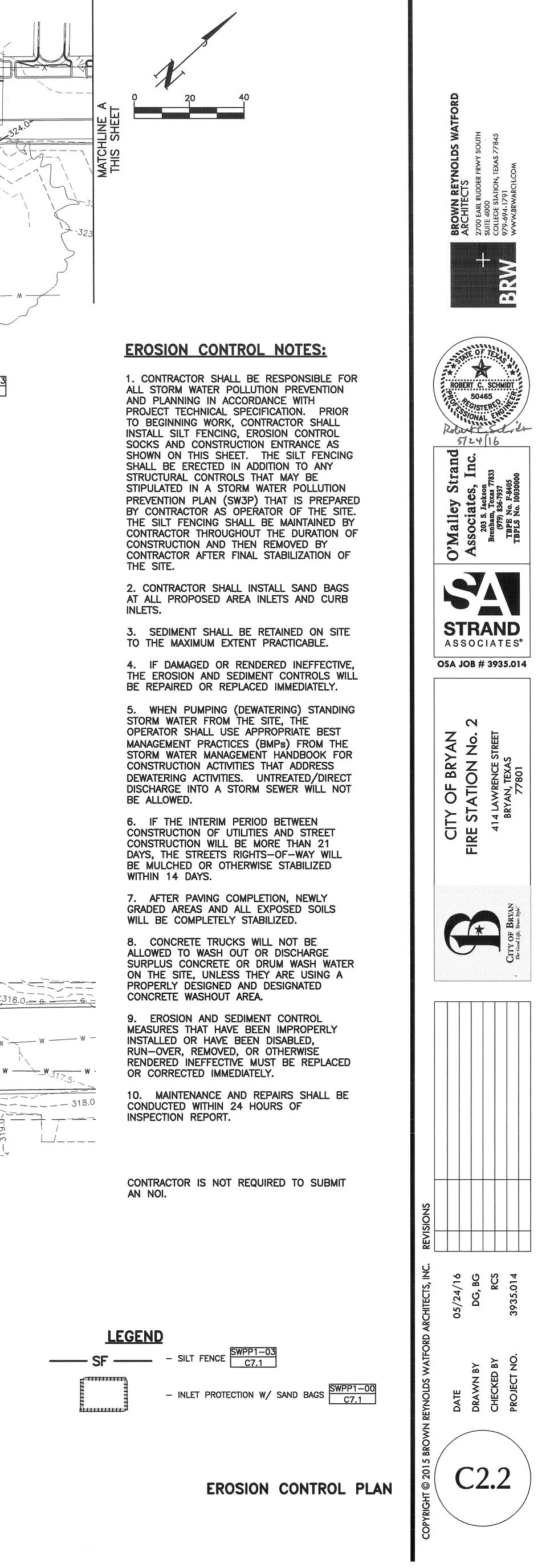
7. AFTER PAVING COMPLETION, NEWLY GRADED AREAS AND ALL EXPOSED SOILS WILL BE COMPLETELY STABILIZED.

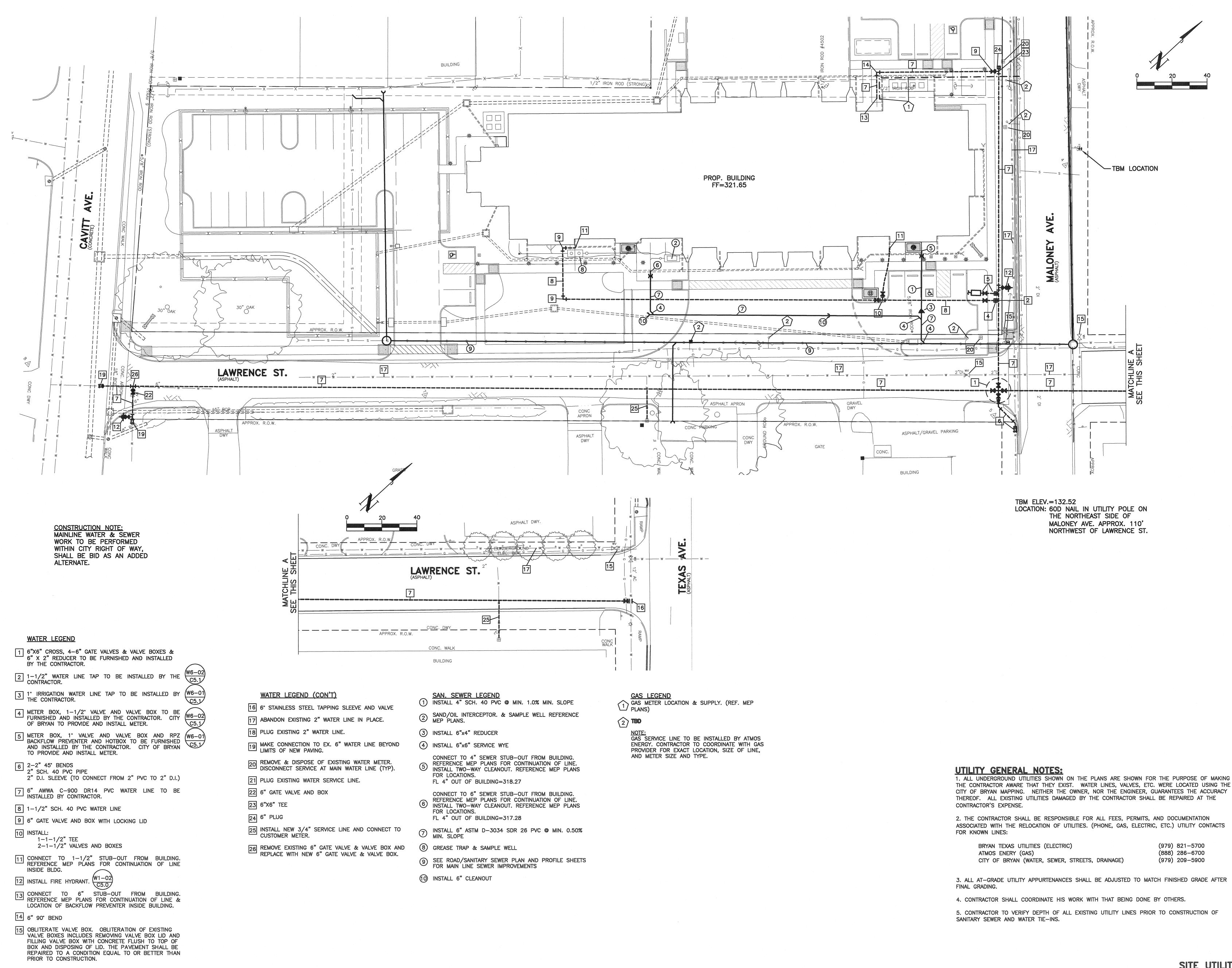
8. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE, UNLESS THEY ARE USING A PROPERLY DESIGNED AND DESIGNATED CONCRETE WASHOUT AREA.

9. EROSION AND SEDIMENT CONTROL MEASURES THAT HAVE BEEN IMPROPERLY INSTALLED OR HAVE BEEN DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY.

10. MAINTENANCE AND REPAIRS SHALL BE CONDUCTED WITHIN 24 HOURS OF INSPECTION REPORT.

CONTRACTOR IS NOT REQUIRED TO SUBMIT AN NOI.





S:\BRE\3900--3999\3935\014\Acad\Design\C3.0 - Site Utility Plan.dwg, 6/24/2016 1:45:24 PM, 1:1, O'Malley Strand Associates

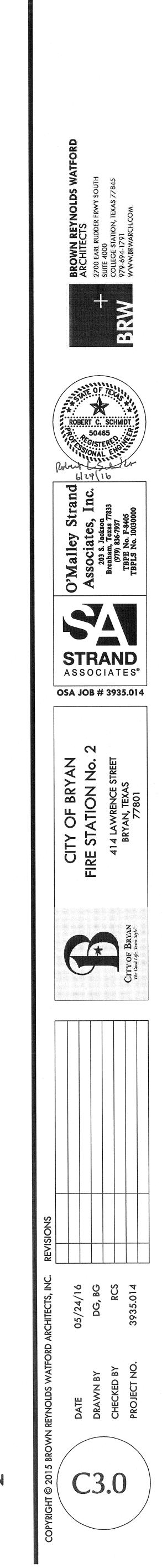
THE CONTRACTOR AWARE THAT THEY EXIST. WATER LINES, VALVES, ETC. WERE LOCATED USING THE CITY OF BRYAN MAPPING. NEITHER THE OWNER, NOR THE ENGINEER, GUARANTEES THE ACCURACY THEREOF. ALL EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE

ASSOCIATED WITH THE RELOCATION OF UTILITIES. (PHONE, GAS, ELECTRIC, ETC.) UTILITY CONTACTS

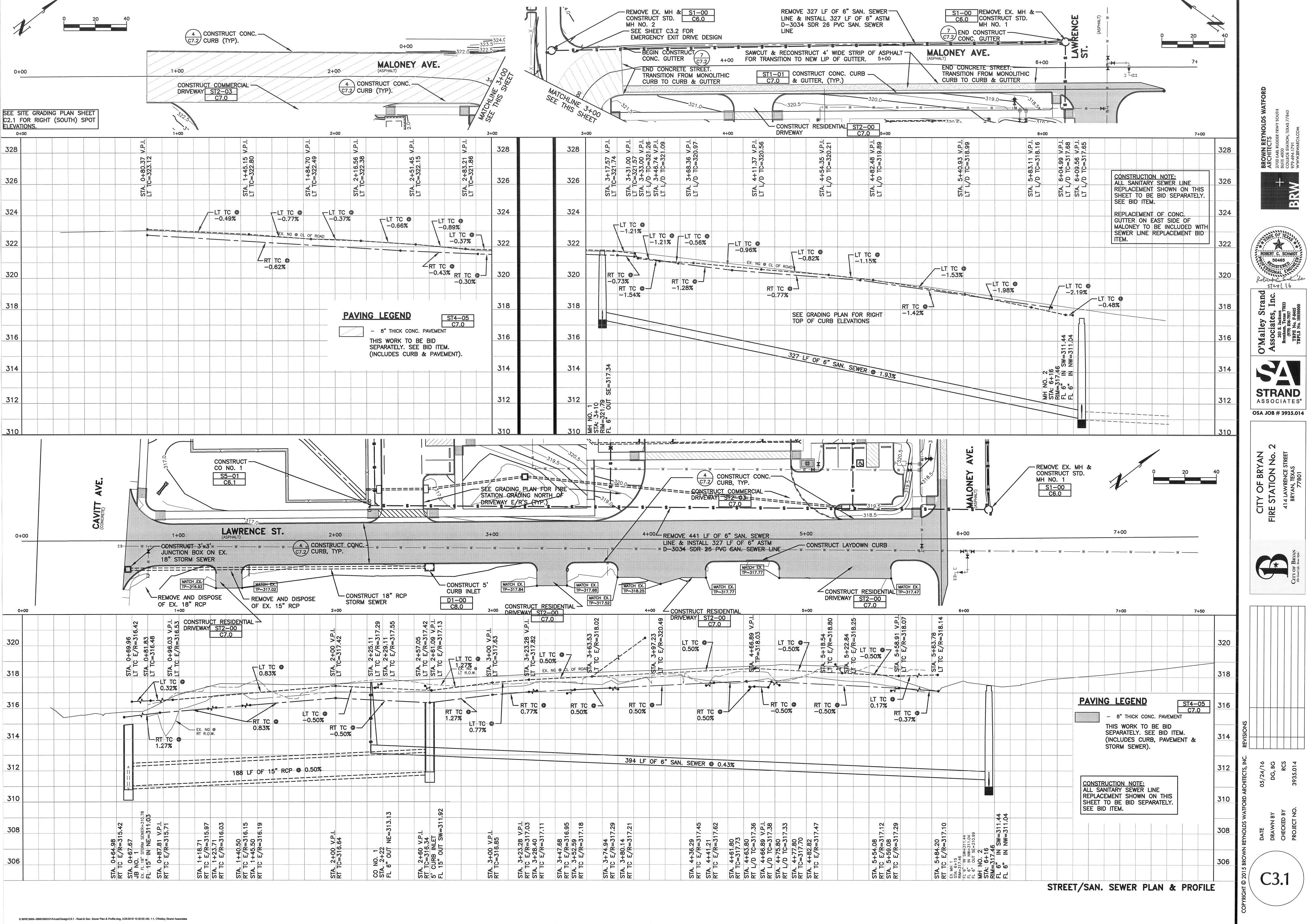
BRYAN TEXAS UTILITIES (ELECTRIC)	(979)	821-5700
ATMOS ENERY (GAS)	(888)	286-6700
CITY OF BRYAN (WATER, SEWER, STREETS, DRAINAGE)	(979)	209-5900

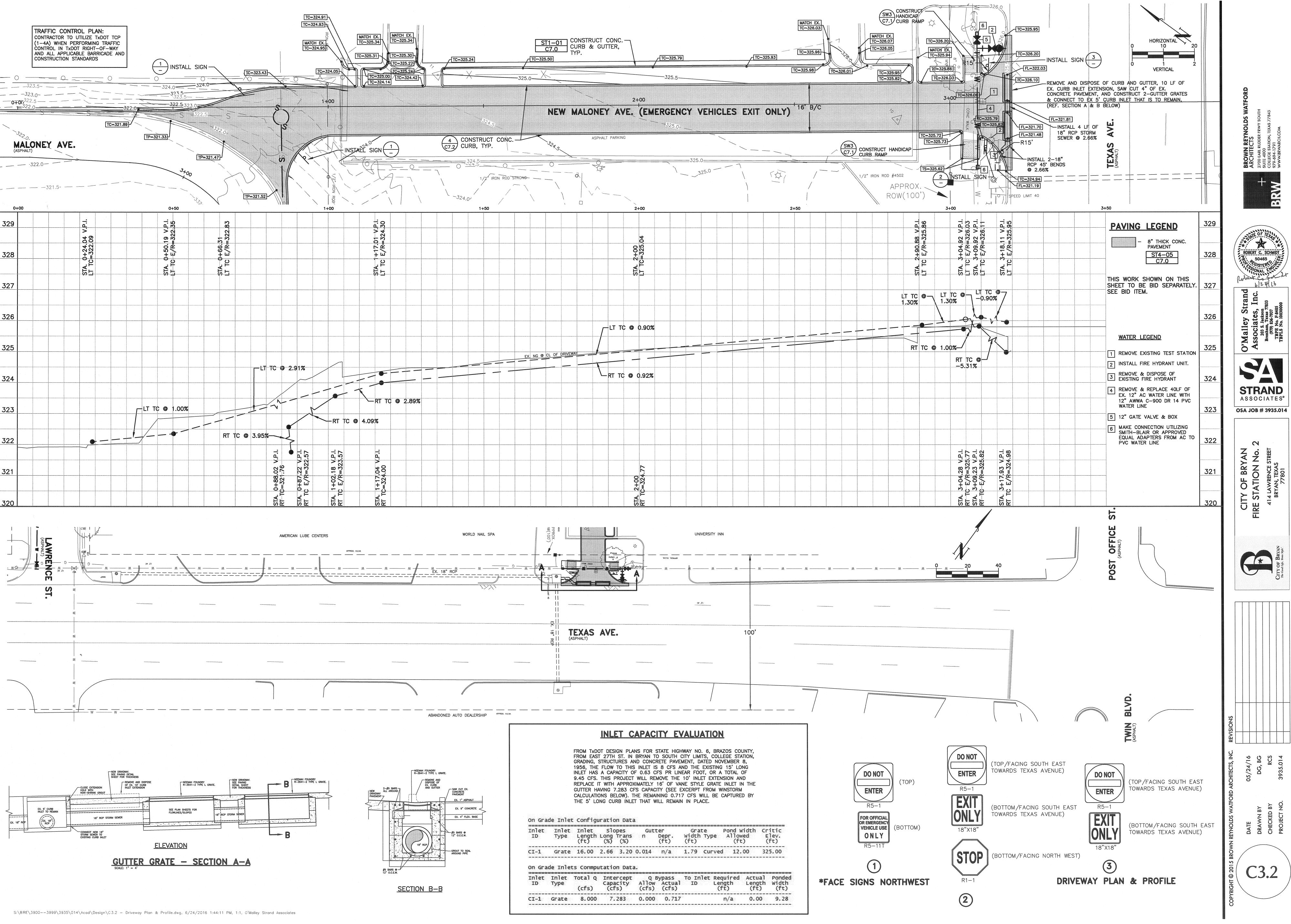
3. ALL AT-GRADE UTILITY APPURTENANCES SHALL BE ADJUSTED TO MATCH FINISHED GRADE AFTER

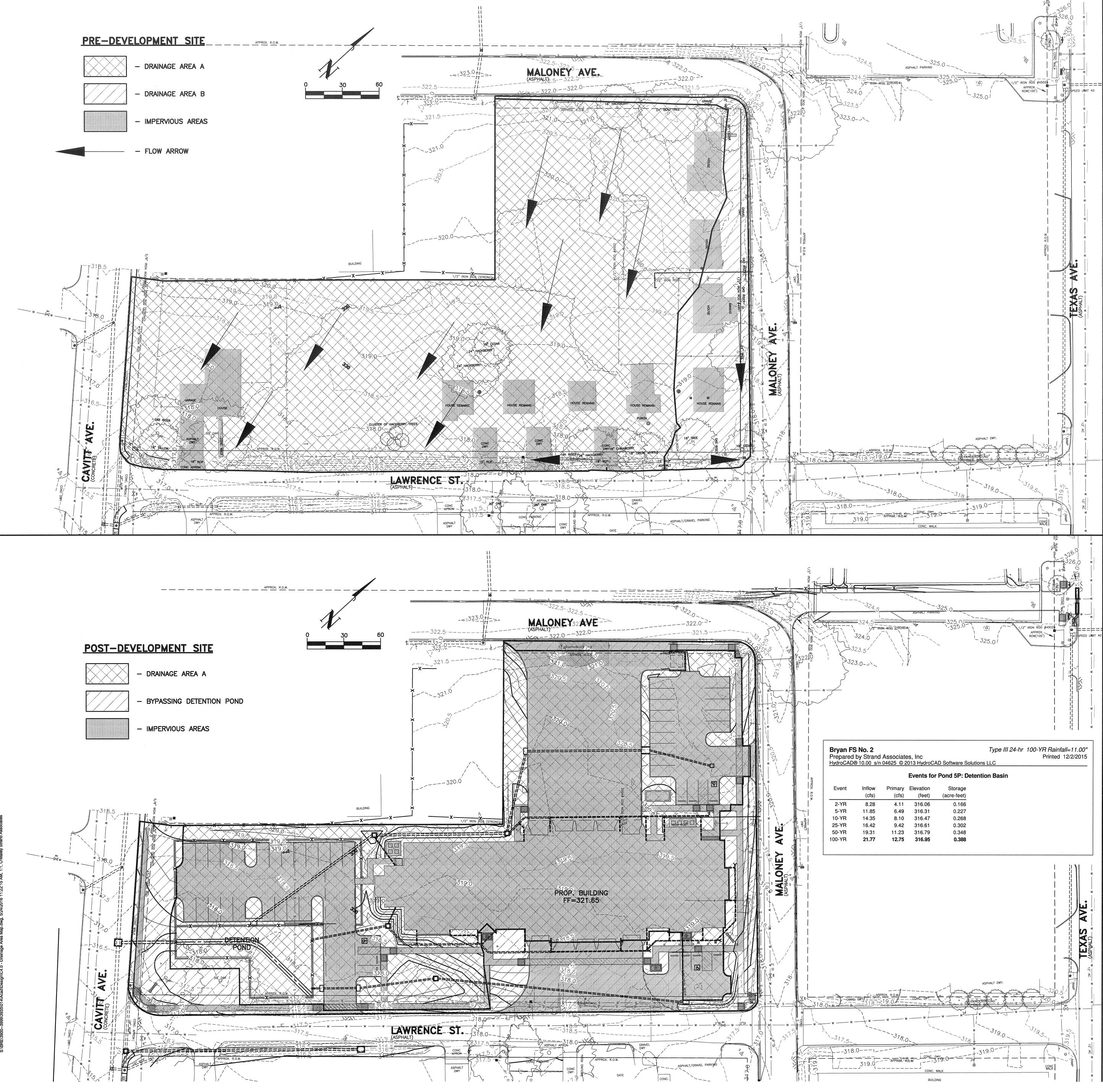
5. CONTRACTOR TO VERIFY DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION OF



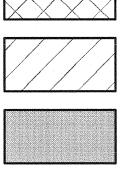
SITE UTILITY PLAN

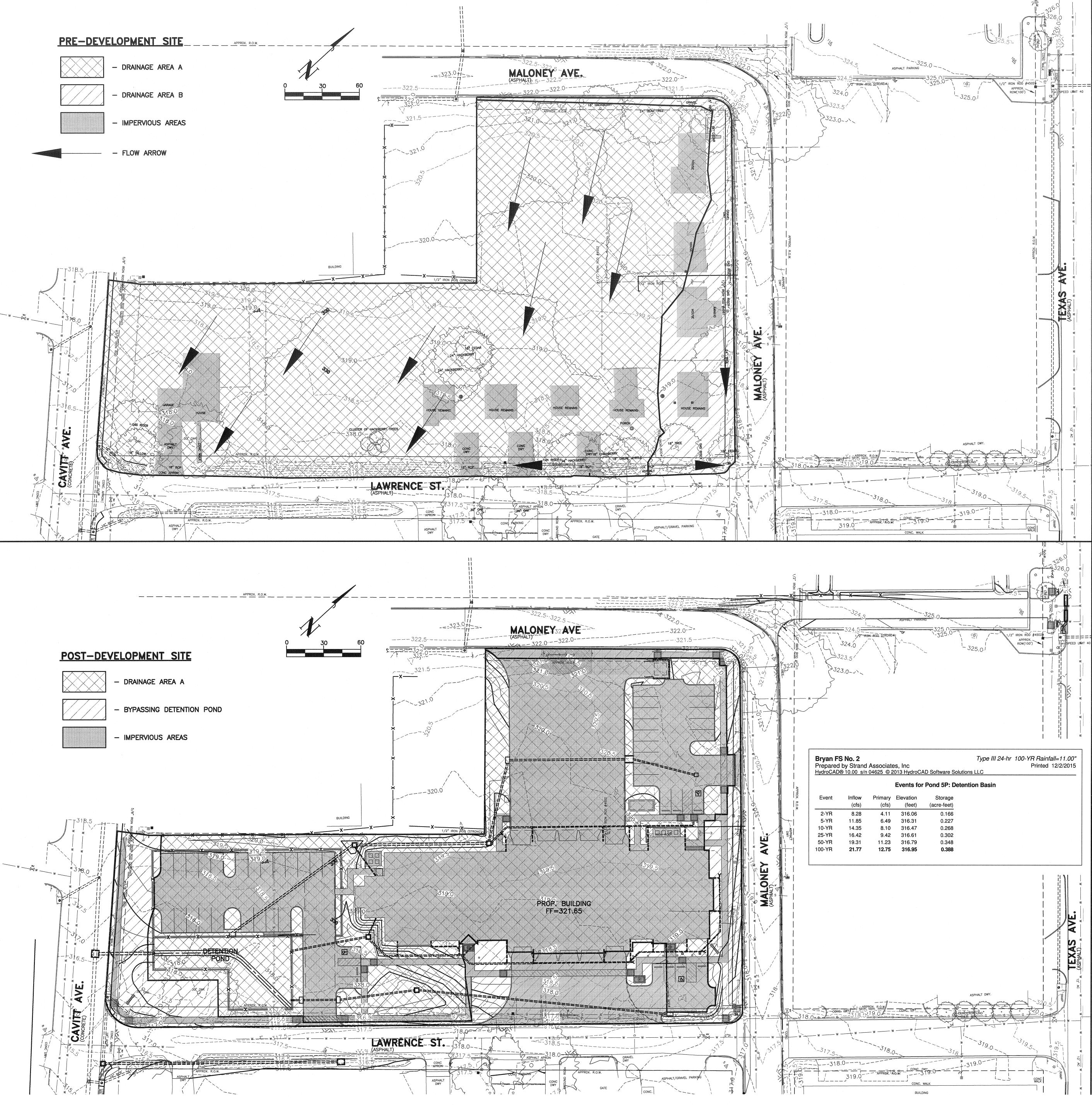












### **EXISTING CONDITIONS, DRAINAGE AREA A**

DRAINAGE AREA

DRAINAUE AREA		
TYPE	AREA (ACRES)	
PERVIOUS	1.970	
IMPERVIOUS	0.221	
TOTAL	2.191	

PROPOSED CONDITIONS, DRAINAGE AREA A

### DRAINAGE AREA

TYPE	AREA (ACRES)
PERVIOUS	0.593
IMPERVIOUS	1.364
TOTAL	1.957

**DETENTION POND VOLUME CALCULATION** 

ADDITIONAL IMPERVIOUS AREA = 1.126 AC.

### **RUNOFF CALCULATIONS, DRAINAGE AREA A**

TIME OF CONCENTRATION (MIN.)		
EXISTING	PROPOSED	
10.0	10.0	

INTENSITY (TABLE F, TXDOT DRAINAGE CRITERIA MANUAL, BRAZOS COUNTY)

	EXISTING	PROPOSED
DESIGN STORM	INTENSITY (IN/HR)	INTENSITY (IN/H
2-YEAR	6.3	6.3
10-YEAR	8.60	8.60
25-YEAR	9.90	9.90
100-YEAR	11.60	11.60

### WEIGHTED RUNOFF COEFFICIENT

DESIGN STORM	EXISTING	PROPOSED
	0.366	0.753

	EXISTING PEAK FLOW	V RATES, DRAINAGE AREA A
ſ	DESIGN STORM	FLOW (CFS)
ſ	2-YEAR	5.05
ſ	10-YEAR	6.89
ſ	25-YEAR	7.93
ſ	100-YEAR	9.29

PROPOSED PEAK FLOW RATES, DRAINAGE AREA A DESIGN STORM FLOW (CFS) 2-YEAR 

2-YEAR	9.29
10-YEAR	12.67
25-YEAR	14.59
100-YEAR	17.10

### **EXISTING CONDITIONS, DRAINAGE AREA B**

DRAINAGE AREA	
ТҮРЕ	AREA (ACRES)
PERVIOUS	0.259
IMPERVIOUS	0.075
TOTAL	0.334

**PROPOSED CONDITIONS, DRAINAGE AREA B** 

RAINAGE AREA	
TYPE	AREA (ACRES)
PERVIOUS	0.288
IMPERVIOUS	0.261
TOTAL	0.549

**DETENTION POND VOLUME CALCULATION** 

ADDITIONAL IMPERVIOUS AREA =(0.186) AC.

### **RUNOFF CALCULATIONS, DRAINAGE AREA B**

TIME OF CONCENTRATION (MIN.)				
	EXISTING	PROPOSED		
	10.0	10.0		

INTENSITY (TABLE F, TXDOT DRAINAGE CRITERIA MANUAL, BRAZOS

COUNTY)		
	EXISTING	PROPOSED
DESIGN STORM	INTENSITY (IN/HR)	INTENSITY (IN/HR)
2-YEAR	6.3	6.3
10-YEAR	8.60	8.60
25-YEAR	9.90	9.90
100-YEAR	11.60	11.60

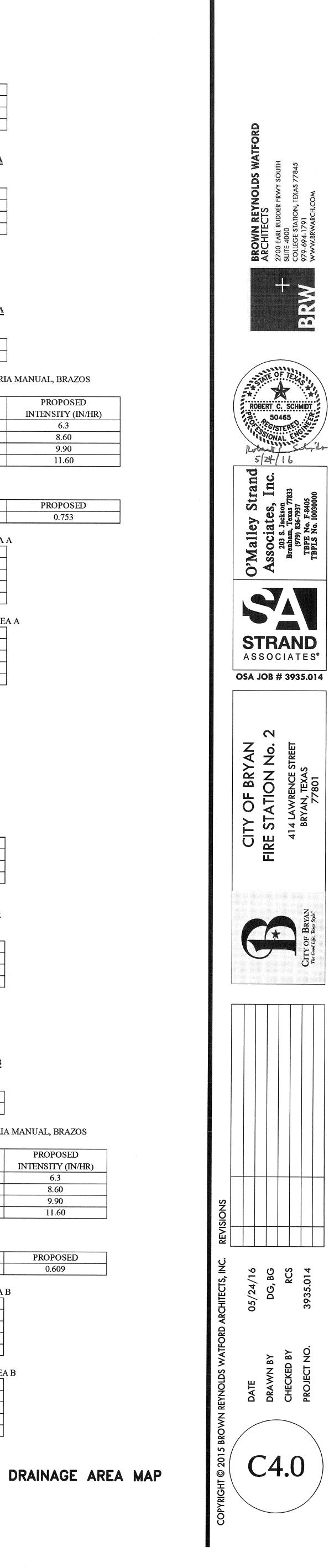
### WEIGHTED RUNOFF COEFFICIENT DESIGN STORM EXISTING

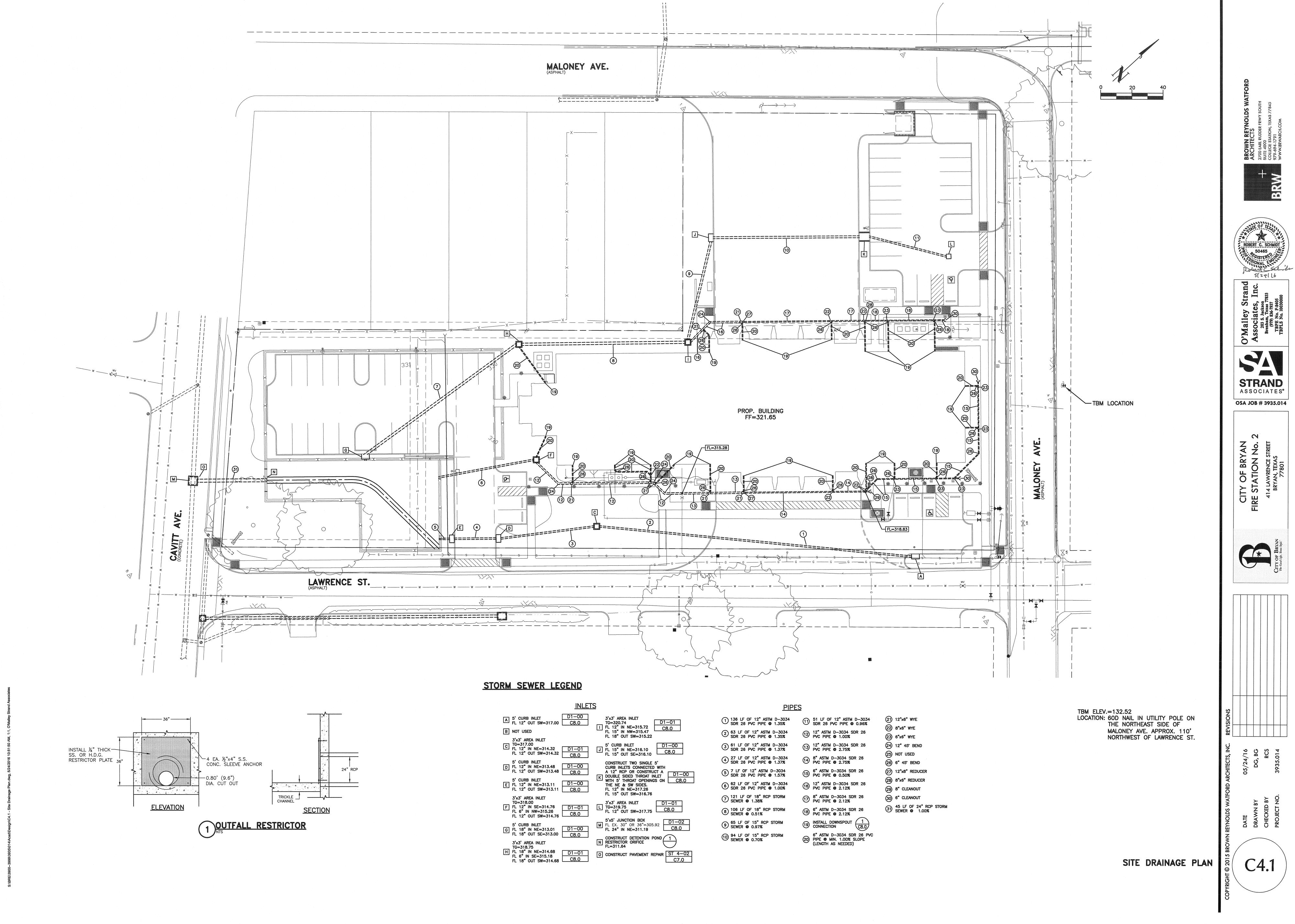
0.446	
V RATES, DRAINAGE AREA	В
FLOW (CFS)	
0.94	
1.28	
1.47	
1.73	
	V RATES, DRAINAGE AREA FLOW (CFS) 0.94 1.28 1.47

PROPOSED PEAK FLOW RATES, DRAINAGE AREA B DESIGN STORM FLOW (CFS)

2-YEAR	2.11
10-YEAR	2.87
25-YEAR	3.31
100-YEAR	3.88

0.609





M D-3034 9 1.35%	(11)	51 LF OF 12 <sup>°°</sup> ASTM D3034 SDR 26 PVC PIPE @ 0.96%
D-3034 D 1.35%	(12)	12" ASTM D3034 SDR 26 PVC PIPE @ 1.00%
ID-3034 D 1.37%	(13)	12" ASTM D-3034 SDR 26 PVC PIPE @ 2.75%
1 D-3034 D 1.37%	14	8" ASTM D-3034 SDR 26 PVC PIPE @ 2.75%
D-3034 9 1.57%	(15)	6" ASTM D-3034 SDR 26 PVC PIPE @ 0.50%
1 D-3034 D 1.00%	16	12" ASTM D-3034 SDR 26 PVC PIPE @ 2.12%
P STORM	17	8" ASTM D-3034 SDR 26 PVC PIPE @ 2.12%
P STORM	18	6" ASTM D-3034 SDR 26 PVC PIPE @ 2.12%
STORM	(19)	INSTALL DOWNSPOUT
STORM	20	6" ASTM D-3034 SDR 26 PVC PIPE © MIN. 1.00% SLOPE (LENGTH AS NEEDED)

1. THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2009 EDITION.

2. THE DESIGN GRAVITY LOADS ARE AS FOLLOWS:

DEAD LOADS INCLUDE MATERIAL WEIGHTS WITH A 4 PSF MECHANICAL SURCHARGE LOAD AND 10 PSF PARTITION LOAD

LIVE LOADS: ROOF FIRST FLOOR CORRIDORS OFFICE SPACE STAIRWELLS STORAGE AREAS LIVING AREAS WEIGHT BOOMS	20 PSF 100 PS 50 PSF 100 PS 125 PS 40 PSF 150 PS
LIVING AREAS	40 PSF
WEIGHT ROOMS	150 PS
MECHANICAL AREAS	60 PSF

3. EXCEPT FOR LOADS EQUAL TO OR IN EXCESS OF 100 PSF, LIVE LOADS ARE REDUCED ACCORDING TO SECTION 1607.9 OF THE IBC.

4. THE STRUCTURE HAS BEEN DESIGNED TO WITHSTAND WIND PRESSURE BASED ON A 90 MPH WIND SPEED AND EXPOSURE CATEGORY C. WIND PRESSURES WERE CALCULATED FROM ASCE 7-05, AS ALLOWED IN SECTION 1609.1.1 OF THE IBC.

5. STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS 6. THIS DESIGN IS BASED ON THE PREPARED ARCHITECTURAL DRAWINGS. WHERE CONDITIONS OTHER THAN THOSE SHOWN ON ARCHITECTURAL DRAWINGS EXIST, THE

CONTRACTOR SHALL CONTACT THE ARCHITECT TO ADDRESS THOSE DIFFERENCES.

CONCRETE MASONRY UNITS

1. MORTAR FOR REINFORCED CMU WALLS SHALL CONFORM TO ASTM C270, TYPE S. 2. HOLLOW LOAD BEARING CONCRETE MASONRY UNITS (CMU) SHALL CONFIRM TO ASTM C90,

NORMAL OR LIGHT WEIGHT UNLESS NOTED OTHERWISE.

3. ALL WALLS AND BOND BEAMS SHALL BE GROUTED USING LOW-LIFT GROUTING TECHNIQUE. 4. A MINIMUM CLEAR DIMENSION OF 2" AND CLEAR AREA OF 8 IN<sup>2</sup>. SHALL BE PROVIDED IN ALL VERTICAL CORES TO BE GROUTED. 5. PLACE VERTICAL REINFORCEMENT PRIOR TO PLACEMENT OF CMU. EXTEND ABOVE ELEVATION

OF MAXIMUM POUR HEIGHT AS REQUIRED FOR SPLICING, AND SUPPORT IN VERTICAL POSITION AT A MAXIMUM SPACING OF 192 BAR DIAMETERS OR 10', WHICHEVER IS LESS.

6. PLACE HORIZONTAL BEAM REINFORCEMENT AS MASONRY IS LAID.

7. LAY CMU TO MAXIMUM POUR HEIGHT, BUT DO NOT EXCEED 5' HEIGHT, OR IF BOND BEAM OCCURS BELOW 5' HEIGHT STOP POUR AT COURSE BELOW BOND BEAM.

8. POUR GROUT USING CHUTE OR CONTAINER WITH SPOUT. ROD OR VIBRATE GROUT DURING ONE HOUR. GROUT POURS SHALL TERMINATE 1 1/2" BELOW THE TOP COURSE OF THE POUR.

9. FOR BOND BEAMS, GROUT POURS IN VERTICAL CELLS SHALL BE STOPPED 1 1/2" BELOW THE BOND BEAM COURSE. HORIZONTAL REINFORCEMENT SHALL BE PLACED IN THE BOND BEAMS WITH LAPS AT CORNERS AND INTERSECTIONS A MINIMUM OF 30 BAR DIAMETERS. PLACE GROUT IN BOND BEAM COURSE PRIOR TO FILLING VERTICAL CORES ABOVE BOND BEAMS. 10. INSTALL HORIZONTAL JOINT REINFORCEMENT IN CMU WALLS AT 16" OC, UNLESS NOTED

OTHERWISE. LAP ENDS A MINIMUM OF 6". 11. PLACE JOINT REINFORCEMENT IN FIRST AND SECOND HORIZONTAL JOINTS ABOVE AND BELOW OPENINGS GREATER THAN 12" IN WIDTH. EXTEND 16" BEYOND THE OPENING ON EACH SIDE.

12. PLACE JOINT REINFORCEMENT CONTINUOUSLY IN FIRST AND SECOND JOINTS BELOW THE TOPS OF WALLS.

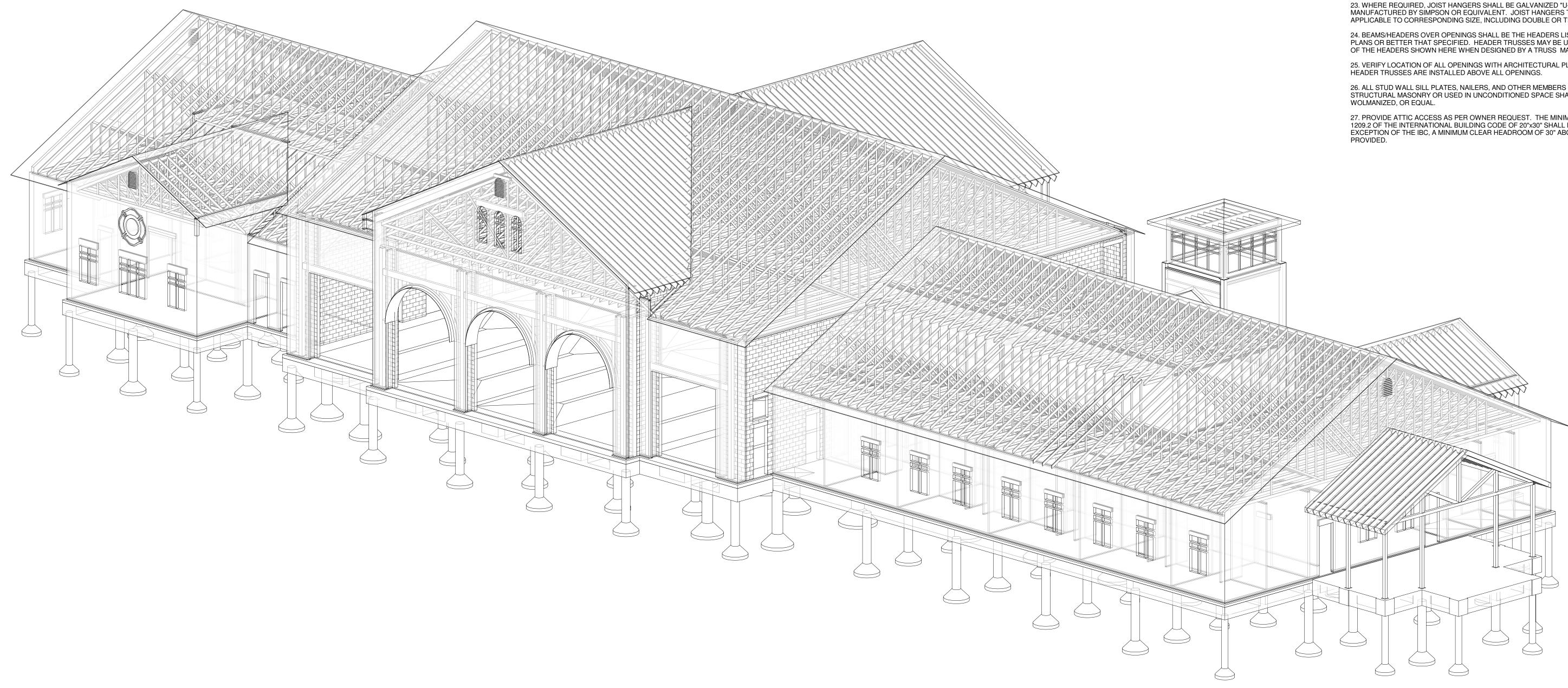
13. INSTALL REINFORCED UNIT MASONRY LINTELS OVER OPENINGS MORE THAN 24" WIDE IN CMU WALLS AS FOLLOWS: A. REINFORCE LINTELS AS INDICATED ON DRAWINGS. B. DO NOT SPLICE REINFORCING BARS.

- SUPPORT AND SECURE REINFORCING BARS FROM DISPLACEMENT PLACE AND CONSOLIDATE GROUT FILL WITHOUT DISPLACING REINFORCING.
- . ALLOW MASONRY LINTELS TO ATTAIN SPECIFIED STRENGTH BEFORE REMOVING TEMPORARY SUPPORTS.
- F. MAINTAIN A MINIMUM OF 8" BEARING ON EACH SIDE OF THE OPENING, UNLESS NOTED OTHERWISE. 14. INSTALL CONTROL AND EXPANSION JOINTS AT THE FOLLOWING MAXIMUM SPACING UNLESS NOTED OTHERWISE

A. INTERIOR PARTITIONS: 25' - 0" OC HORIZONTALLY. B. EXTERIOR CAVITY WALLS: 20' - 0" OC HORIZONTALLY.

15. FORM CONTROL JOINT WITH SHEET BUILDING PAPER BOND BREAKER FITTED TO ONE SIDE OF HOLLOW CONTOUR END OF BLOCK UNIT. FILL RESULTANT CORE WITH GROUT FILL. RAKE JOINT AT EXPOSED UNIT FACES FOR PLACEMENT OF BACKER ROD AND SEALANT.

16. FORM EXPANSION JOINT BY OMITTING MORTAR AND CUTTING UNIT TO FORM OPEN JOINT. AT EXTERIOR WALLS, INSTALL BACKER ROD AND FLEXIBLE SEALANT.



STRUCTURAL STEEL 1. STRUCTURAL STEEL FABRICATOR TO BE REGISTERED AND APPROVED TO PERFORM SUCH WORK IN ACCORDANCE WITH SECTION 1704.2.5.2 OF THE IBC. 2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, 50KSI. ALL PLATES, ANGLES, AND CHANNELS SHALL CONFORM TO A36. 3. STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S GRADE B, OR ASTM

4. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B.

5. CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL BE HIGH STRENGTH BOLTS WHICH MEET OR EXCEED THE REQUIREMENTS OF ASTM A325, TYPE N, X, OR F. BOLTS SHALL BE DESIGNED AS BEARING TYPE BOLTS, EXCEPT AS NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE "SNUG TIGHT" CONDITION AS OUTLINED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. BOLTS SHALL HAVE A HARDENED WASHER PLACED UNDER THE ELEMENT TO BE TIGHTENED. BOLTS IN BRACING CONNECTIONS, MOMENT CONNECTIONS, OR OTHER CONNECTIONS NOTED ON THE DRAWINGS SHALL BE CONSIDERED TO BE "SLIP CRITICAL" BOLTS, AND SHALL BE DESIGNED AS FRICTION TYPE BOLTS. FRICTION TYPE CONNECTIONS SHALL BE TIGHTENED BY THE USE OF THE TURN-OF-THE-

PLACING. PLACE GROUT CONTINUOUSLY. DO NOT INTERRUPT POURING OF GROUT FOR MORE THAN NUT METHOD OR THE USE OF LOAD INDICATING TYPE BOLTS, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. 6. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES". FOR THIS PROJECT, PARAGRAPH 4.2.1 OF THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" IS HEREBY

MODIFIED BY DELETION OF THE FOLLOWING SENTENCE: THIS APPROVAL CONSTITUTES THE OWNER'S ACCEPTANCE OF ALL RESPONSIBILITY FOR THE DESIGN ADEQUACY OF ANY CONNECTIONS DESIGNED BY THE FABRICATOR AS PART OF HIS PREPARATION OF THESE SHOP DRAWINGS

7. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.1 ELECTRODES FOR SHOP AND FIELD WELDS SHALL CONFORM TO AWS A5.1 OR AWS A5.5, CLASS E7OXX, LOW HYDROGEN.

8. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE, AND CONNECTION TO BE MADE.

9. THE CONTRACTOR SHALL NOTIFY GESSNER ENGINEERING OF ANY MISFABRICATED STRUCTURAL STEEL PRIOR TO ERECTION OF SAME.

10. PENETRATIONS SHALL NOT BE CUT IN STRUCTURAL STEEL MEMBERS UNLESS SO INDICATED IN THE DRAWINGS OR AS REVIEWED BY THE ENGINEER. 11. HEADED CONCRETE ANCHORS SHALL BE NELSON OR KSM HEADED CONCRETE ANCHORS

(OR ACCEPTABLE EQUAL), AND SHALL CONFORM TO ASTM A108, GRADES C-1010 THROUGH C 1020. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY OR THE KSM WELDING SYSTEMS COMPANY.

12. DEFORMED BAR ANCHORS (D.B.A.) SHALL BE NELSON OR KSM DEFORMED BAR ANCHORS (OR ACCEPTABLE EQUAL), AND SHALL BE MADE FROM COLD DRAWN WIRE PER ASTM A496 CONFORMING TO ASTM A108 WITH A MINIMUM YIELD STRENGTH OF 70 KSI. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY OR THE KSM WELDING SYSTEMS COMPANY.

13. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE CONTRACT DOCUMENTS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.

14. STEEL MEMBERS, FABRICATIONS, AND ASSEMBLIES INDICATED ON THE DRAWINGS TO BE GALVANIZED SHALL BE GALVANIZED AFTER FABRICATION BY HOT DIP PROCESS IN ACCORDANCE WITH ASTM A123. WEIGHT OF ZINC COATING TO CONFORM TO THE REQUIREMENTS SPECIFIED UNDER "WEIGHT OF COATING" IN ASTM A123 OR ASTM 1386, AS APPLICABLE.

3. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH, AT MINIMUM, ANSI/TPI 1-2014 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES" TRUSS PLATE INSTITUTE, AND "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION"(NDS), AMERICAN FOREST & PAPER ASSOCIATION, AND THE CODE OF JURISDICTION. MANUFACTURER SHALL FURNISH DESIGN DRAWINGS, BEARING SEAL, AND REGISTRATION NUMBER OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS. DRAWINGS SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO FABRICATION.

5. PLYWOOD ROOF DECKING OVER RAFTERS SHALL BE APA CDX EXTERIOR GLUE PLYWOOD (U.N.O.), BRIQUETTES AT NOT MORE THAN 6' OC. 5. LUMBER USED FOR TRUSS MEMBERS SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER THICKNESS AS SHOWN ON DRAWINGS. INSTALL PLYWOOD WITH FACE GRAIN ACROSS SUPPORTS. INSPECTION BUREAU OR AGENCY APPROVED BY BOARD OF REVIEW OF AMERICAN LUMBER GAP PLYWOOD AS PER APA RECOMMENDATIONS. FASTEN PLYWOOD TO FRAMING WITH 2" #8 STANDARDS COMMITTEE. ALL LUMBER SHALL BE #2 VISUALLY GRADED SOUTHERN YELLOW PINE SCREWS OR 8d NAILS 6" OC ALONG PANEL EDGES AND 12" OC ALONG INTERMEDIATE SUPPORTS OR BETTER. MINIMUM MEMBER SIZE SHALL BE 2x4. AND BLOCKING. DIAMETERS 6. METAL CONNECTOR PLATES SHALL BE MANUFACTURED BY COMPANIES MAINTAINING A 6. PLYWOOD FLOOR DECKING WHERE USED SHALL BE APA RATED CD, TONGUE & GROOVE, WITH

RESEARCH REPORT WITH THE GOVERNING MODEL CODE AGENCY AND SHALL MEET OR EXCEED APPLICABLE STEEL SPECIFICATIONS. 7. TRUSSES SHALL BE FABRICATED, AT MINIMUM, IN ACCORDANCE WITH THE QUALITY REQUIREMENTS IN SECTION 4 OF ANSI/TPI 1-2007 "NATIONAL DESIGN STANDARD FOR METAL

PLATE CONNECTED WOOD TRUSSES." 8. TRUSSES SHALL BE HANDLED DURING FABRICATION, DELIVERY, AND AT JOBSITE SO AS NOT TO BE SUBJECTED TO EXCESSIVE LATERAL BENDING. HANDLING. INSTALLATION TOLERANCES AND TEMPORARY BRACING SHALL BE AS SET FORTH IN "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES," HIB-91. CUTTING AND ALTERING OF TRUSSES IS NOT PERMITTED.

9. CONCENTRATED LOADS SHALL NOT BE PLACED ATOP TRUSSES UNTIL ALL SPECIFIED BRACING HAS BEEN INSTALLED AND DECKING IS PERMANENTLY NAILED IN PLACE. BRACE TRUSSES SUFFICIENTLY DURING INSTALLATION TO PREVENT TOPPLING OR DOMINOING. BRACING DURING INSTALLATION SHALL BE IN ACCORDANCE WITH HIB-91 OR "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES," DSB-

10. ALL TRUSSES TO BE DESIGNED @ THE SPACING SPECIFIED ON THE PLANS FOR THE FOLLOWING LOADING, U.N.O.:

FLOOR TRUSSES: TOP CHORD LIVE LOAD: 125 PSF DEAD LOAD: 20 PSF BOTTOM CHORD

DEAD LOAD: 10 PSF

TRUSS NOTES

FRAMING, AND BRACING.

ROOF TRUSSES: TOP CHORD LIVE LOAD: 20 PSF DEAD LOAD: 20 PSF BOTTOM CHORD

DEAD LOAD: 20 PSF ALL TRUSSES TO BE DESIGNED ALSO FOR THEIR OWN SELF WEIGHT. ALL LOADS

PROVIDED ARE UNFACTORED SERVICE LOADS. 11. TRUSSES SHALL BE DESIGNED TO SUPPORT ADDITIONAL POINT LOADS AND DIFFERING DISTRIBUTED LOADS AS SHOWN ON PLANS.

TRUSS ERECTION NOTES

MEMBERS

1. ERECT FRAMING AND TRUSSES PLUMB, LEVEL, AND SQUARE IN STRICT ACCORDANCE TO APPROVED SHOP DRAWINGS. 2. COMPONENTS SHALL BE FASTENED WITH CONNECTORS SPECIFIED BY THE TRUSS MANUFACTURER

3. INSTALL JACK STUDS AND CRIPPLES AS REQUIRED.

4. PROVIDE STUD BRACING AS REQUIRED FOR STUDS TO CARRY UPLIFT LOAD DURING CONSTRUCTION. 5. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, OR AS REQUIRED FOR ANGULAR FIT AGAINST ABUTTING

6. TRUSS HANGERS TO BE PROVIDED AT ALL NON-BEARING TRUSS-TRUSS CONNECTIONS.

7. BLOCK BETWEEN TRUSSES AT RIDGE.

8. COORDINATE BEARING CONNECTIONS OF TRUSSES WITH CEILING.

### 1. TRUSS DRAWINGS ARE SCHEMATIC IN NATURE. DIMENSIONS AND LOCATIONS OF TRUSSES SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS. TRUSS DESIGN SHALL SUPERCEDE DIMENSIONS PROVIDED WHERE ADDITIONAL DEPTH AND STIFFNESS ARE REQUIRED. 2. TRUSS MANUFACTURER SHALL FABRICATE AND SUPPLY METAL PLATED WOOD TRUSSES AS SPECIFIED HEREIN. WORK SHALL INCLUDE ANCHORAGE, BLOCKING, CURBING, MISCELLANEOUS

GENERAL WOOD FRAMING

I. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION AND COORDINATION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS. PLANS AND DETAILS FOR FRAMING ARE A SCHEMATIC REPRESENTATION OF THE FRAMING AT VARIOUS LOCATIONS AND CONDITIONS OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FRAMING NECESSARY TO COMPLETELY FRAME THE PROJECT AND PROVIDE FOR ALL CONDITIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.

2. ALL SAWN CONVENTIONAL FRAMING LUMBER SHALL BE #2 SOUTHERN YELLOW PINE, KD TO 19% MAX. MOISTURE. FASTEN PER NAILING SCHEDULE IN SECTION 2304.9 OF THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). 3. TIMBER SHALL CONFORM TO NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER

AND ITS FASTENINGS, NATIONAL FOREST PRODUCTS ASSOCIATION LATEST EDITION. 4. WOOD MATERIALS TO BE INDIVIDUALLY GRADE MARKED.

EXTERIOR GLUE, THICKNESS AS SHOWN ON THE DRAWINGS. GLUE PLYWOOD AND NAIL 4" OC ALONG 8. EXTERIOR BEAMS WILL BE AS SHOWN EXCEPT DEPTHS WILL BE INCREASED AS PANEL EDGES AND 12" OC ALONG INTERMEDIATE SUPPORTS AND BLOCKING WITH 10d MINIMUM NAILS U.N.O. ON PLANS. INSTALL PER APA RECOMMENDATIONS.

7. PLYWOOD SHEATHING WHERE USED SHALL BE APA RATED CD WITH EXTERIOR GLUE, THICKNESS CONFLICTS WITH PLUMBING LAYOUTS OCCUR. AS SHOWN ON THE DRAWINGS. INSTALL PER APA RECOMMENDATIONS. PLYWOOD SHEATHING AND CONNECTORS AT BRACED AND SHEAR WALLS SHALL BE ACCORDING TO CORRESPONDING DETAILS. 10. UTILITIES WHICH PROJECT THROUGH SLAB-ON-GRADE, SLAB-ON-FILL 8. PLYWOOD TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.

9. ALL BEAMS MADE UP OF MULTIPLE 2x MEMBERS SHALL BE SUPPORTED AT EACH END BY A POST EQUAL TO OR EXCEEDING THE THICKNESS OF THE BEAM. I.E. 2-2X BEAM SHALL REQUIRE (2) 2X STUD DEEPENED BY THE SAME AMOUNT WITH TRANSITIONS IN DEPTH OCCURRING OVER POST (MIN.) THE CENTERLINE OF THE BEAM SHALL BE THE CENTERLINE OF THE SUPPORTING WALL A 1 TO 12 SLOPE. STUDS. CONTRACTOR SHALL PROVIDE ADEQUATE NUMBER OF STUDS AND BRACING AS REQUIRED FOR ALL FRAMING PARTICULARLY AT LOCATIONS OF CONCENTRATED LOADS. MULTIPLE 2X MEMBER 12. THE AREA UNDERNEATH THE SLAB AND 3' BEYOND SHALL BE STRIPPED OF BEAMS SHALL NOT BE SPLICED EXCEPT OVER SUPPORTS. 10. COLUMNS MADE UP OF MULTIPLE 2x MEMBERS SHALL BE GLUED & FASTENED TO ACT AS A UNIT

AS FOLLOWS: (2) 2x.....16d COMMON NAIL @12" OC (3) 2x.....20d COMMON NAIL @12" OC (4) 2x & OVER..3/4" BOLTS W/ WASHERS EACH FACE @ 12" OC

11. JOISTS WILL BE LATERALLY SUPPORTED AT EACH END AND AT EACH SUPPORT BY SOLID BLOCKING EXCEPT WHERE THE ENDS OF JOISTS ARE NAILED INTO A HEADER, BAND OR RIM JOIST OR 2% OF OPTIMUM. TO AN ADJOINING STUD. SOLID BLOCKING SHALL NOT BE LESS THAN 2" IN THICKNESS AND SHALL MATCH THE JOIST DEPTH. 12. NOTCHES AT JOIST ENDS SHALL NOT EXCEED 1/4 OF THE JOIST DEPTH. NOTCHES IN THE TOP OR FOR DEPTHS OF 5' - 0" TO 6' - 0", (2) HORIZONTAL #5 BARS SHALL BE ADDED TO BOTTOM OF THE JOISTS SHALL NOT EXCEED 1/6 OF THE DEPTH AND SHALL NOT BE LOCATED IN THE EACH SIDE OF THE BEAM AND EQUALLY SPACED VERTICALLY. FOR BEAMS DEEPER MIDDLE 1/3 OF THE SPAN. 13. HOLES IN JOISTS SHALL NOT BE CLOSER THAN 2" TO THE TOP OR BOTTOM OF THE JOIST. THE DIAMETER OF ANY HOLE SHALL NOT EXCEED 1/6 THE JOIST DEPTH UNLESS APPROVED BY THE ENGINEER. 14. ALL CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (OR APPROVED EQUAL.) NAIL IN ALL NAIL HOLES. 15. AT BATHROOMS, PROVIDE SOLID BLOCKING AND OR PLYWOOD UNDER FINISHED WALL SURFACE TO POURING CONCRETE. AT TOILET AREAS IN ORDER TO BE ABLE TO INSTALL FIXTURES IN THESE BATHROOMS. VERIFY EXACT LOCATIONS. 16. BLOCKING UNDER ENDS OF JOISTS SHALL CONSIST OF 2-2x TO FIT WITH 1/2" PLYWOOD SPACER AND PLYWOOD STRIP ON TOP. 17. FLOOR JOISTS WITH A DEPTH TO THICKNESS RATIO EXCEEDING 6 SHALL BE SUPPORTED LATERALLY BY BRIDGING OR BLOCKING INSTALLED AT INTERVALS NOT EXCEEDING 8'. 18. JOISTS FRAMING FROM OPPOSITE SIDES OF A BEAM, GIRDER OR PARTITION SHALL BE LAPPED AT 19. ANY UNUSUAL CONDITIONS ENCOUNTERED AFFECTING THE FOUNDATION SHALL LEAST 3" AND FASTENED, OR THE OPPOSING JOISTS SHALL BE TIED TOGETHER IN AN APPROVED BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER PRIOR TO

19. WALL STUDS TO BE AS SHOWN ON FRAMING PLANS. INSTALL BLOCKING AT MID HEIGHT BETWEEN 20. (4) CORNER BARS SHALL BE SECURELY TIED TO THE INTERSECTING BEAM BARS ALL STUDS IN ALL LOAD BEARING WALLS. PROVIDE TRIPLE STUD AT ALL CORNERS. 20. PROVIDE SINGLE 2x BOTTOM PLATE FOR ALL WALLS AND DOUBLE 2x TOP PLATE FOR ALL WALLS. 21. DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND IN BETWEEN FLOORS WHEN APPLICABLE ACCORDING TO THE INTERNATIONAL BUILDING CODE, SECTION 717. 22. FIREBLOCKING SHALL BE PROVIDED WITH NON-COMBUSTIBLE MATERIALS IN THE FOLLOWING

LOCATIONS: A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CONSULTANTS, INC. DATED OCTOBER 20, 2015. CEILING AND FLOOR LEVELS, AND AT 10' INTERVALS BOTH HORIZONTAL AND VERTICAL. B. AT ALL INTERCONNECTIONS BETWEEN CONCEALED HORIZONTAL AND VERTICAL SPACES SUCH 23. FOUNDATION LAYOUT BASED ON ARCH. PLANS PROVIDED BY BROWN REYNOLDS AS OCCUR AT SOFFITS, DROP CEILINGS, AND COVE CEILINGS. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED D. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES, AND SIMILAR OPENINGS

WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS. 23. WHERE REQUIRED, JOIST HANGERS SHALL BE GALVANIZED "U-TYPE" JOIST HANGERS MANUFACTURED BY SIMPSON OR EQUIVALENT. JOIST HANGERS TO BE A MINIMUM OF 16 GA., APPLICABLE TO CORRESPONDING SIZE, INCLUDING DOUBLE OR TRIPLE JOISTS. 24. BEAMS/HEADERS OVER OPENINGS SHALL BE THE HEADERS LISTED IN THE SCHEDULE OR ON THE PLANS OR BETTER THAT SPECIFIED. HEADER TRUSSES MAY BE USED OVER ALL OPENINGS INSTEAD OF THE HEADERS SHOWN HERE WHEN DESIGNED BY A TRUSS MANUFACTURER. 25. VERIFY LOCATION OF ALL OPENINGS WITH ARCHITECTURAL PLANS. INSURE THAT HEADERS OR 26. ALL STUD WALL SILL PLATES, NAILERS, AND OTHER MEMBERS IN CONTACT WITH CONCRETE OR STRUCTURAL MASONRY OR USED IN UNCONDITIONED SPACE SHALL BE PRESSURE TREATED,

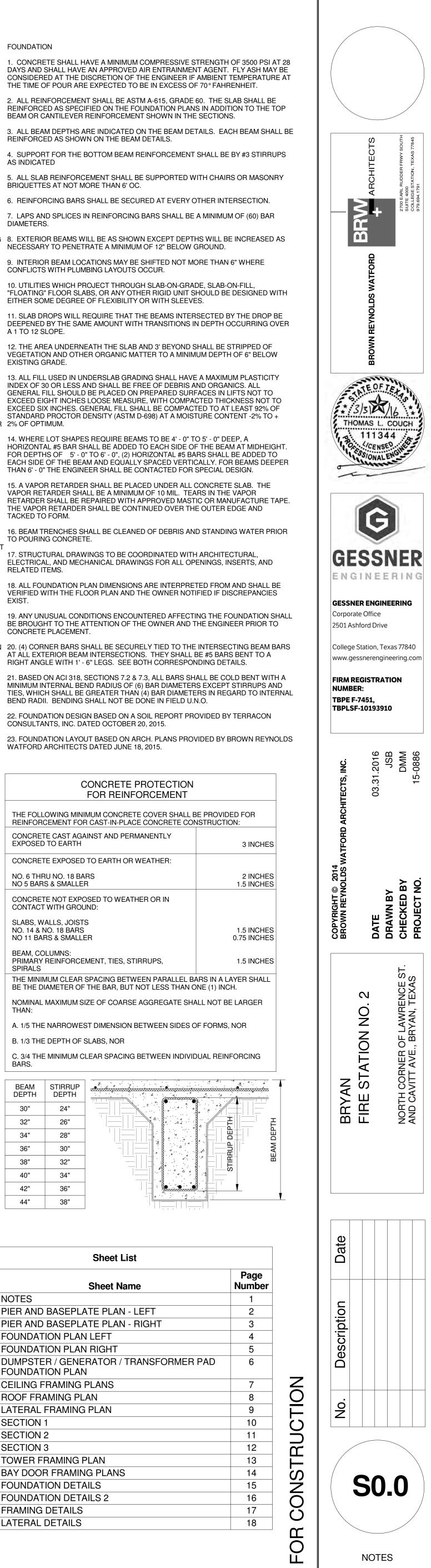
27. PROVIDE ATTIC ACCESS AS PER OWNER REQUEST. THE MINIMUM SIZE AS SPECIFIED IN SECTION 1209.2 OF THE INTERNATIONAL BUILDING CODE OF 20"x30" SHALL BE USED. ALSO ACCORDING TO EXCEPTION OF THE IBC, A MINIMUM CLEAR HEADROOM OF 30" ABOVE THE OPENING SHALL BE

TACKED TO FORM.

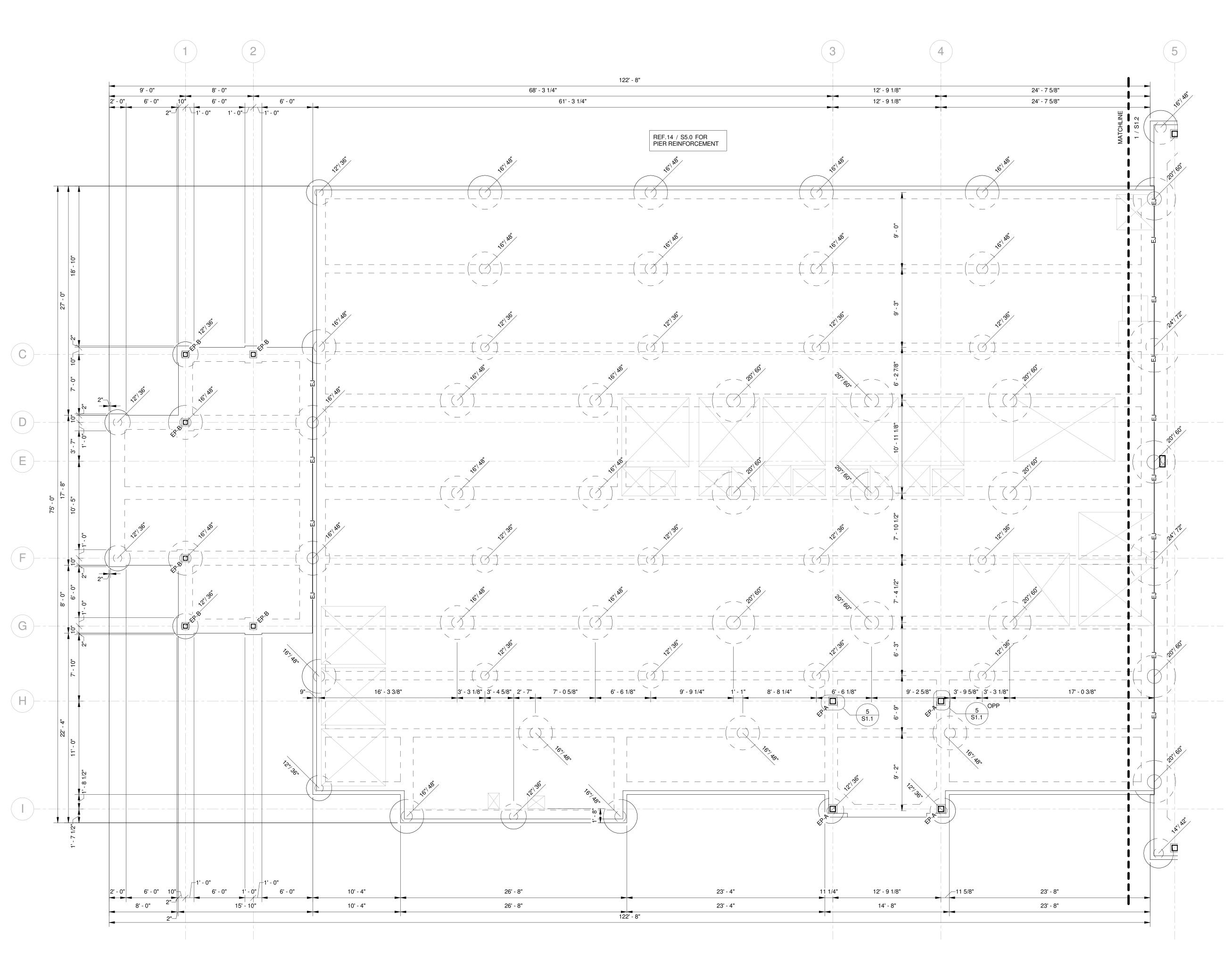
CONCRETE PLACEMENT.

# FOR REINFORCEMENT

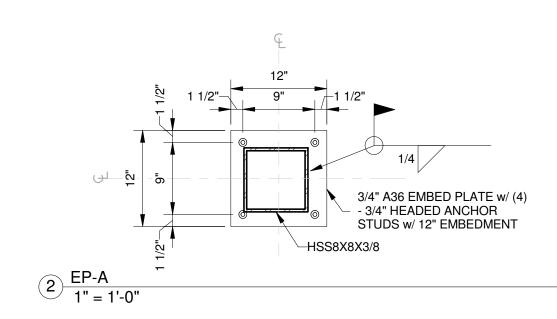
THE FOLLOWING MINIMUM CONCRETE COVER SHALL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE CC	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	
CONCRETE EXPOSED TO EARTH OR WEATHER:	
NO. 6 THRU NO. 18 BARS NO 5 BARS & SMALLER	
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS NO. 14 & NO. 18 BARS NO. 11 BARS & SMALLER	

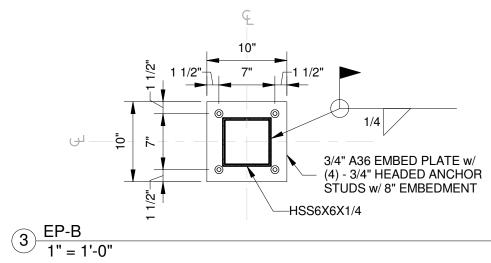


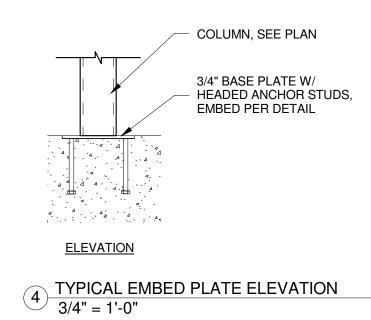
	Sheet List
Sheet Number	Sheet Name
S0.0	NOTES
S1.1	PIER AND BASEPLATE PLAN - LEFT
S1.2	PIER AND BASEPLATE PLAN - RIGHT
S1.3	FOUNDATION PLAN LEFT
S1.4	FOUNDATION PLAN RIGHT
S1.5	DUMPSTER / GENERATOR / TRANSFORMER PAD FOUNDATION PLAN
S1.6	CEILING FRAMING PLANS
S1.7	ROOF FRAMING PLAN
S2.1	LATERAL FRAMING PLAN
S3.1	SECTION 1
S3.2	SECTION 2
S3.3	SECTION 3
S3.4	TOWER FRAMING PLAN
S3.5	BAY DOOR FRAMING PLANS
S5.0	FOUNDATION DETAILS
S5.1	FOUNDATION DETAILS 2
S5.2	FRAMING DETAILS
S5.3	LATERAL DETAILS



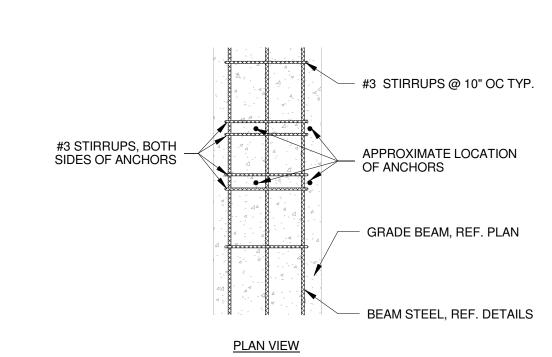
 $1 \frac{\text{PIER AND BASEPLATE PLAN LEFT}}{3/16" = 1'-0"}$ 

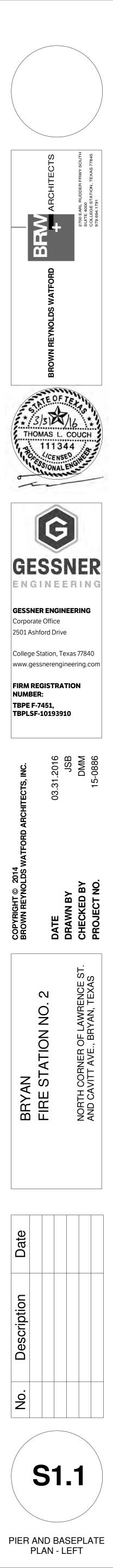




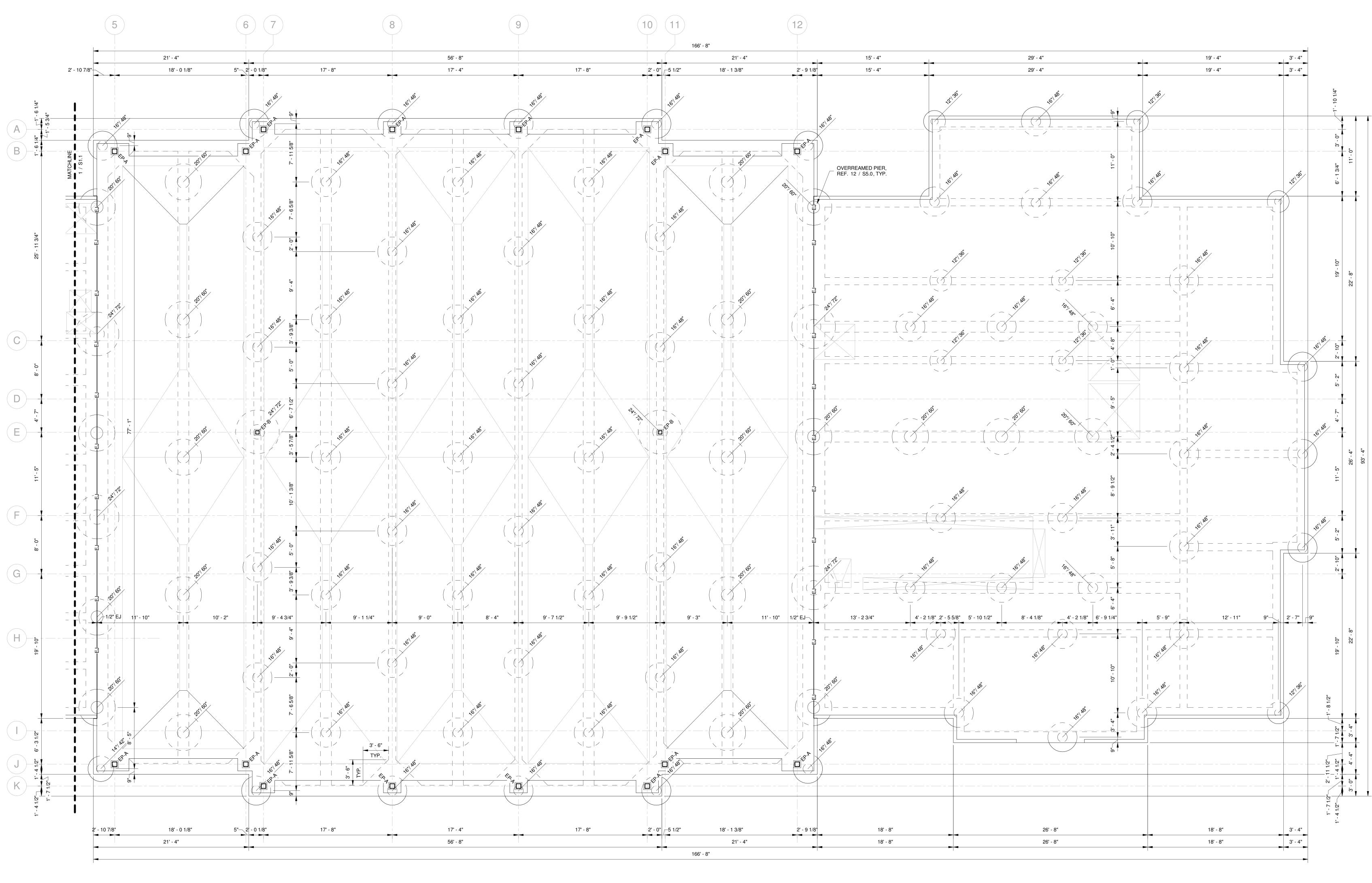


# 5 REINFORCEMENT AT EMBED PLATE 3/4" = 1'-0"

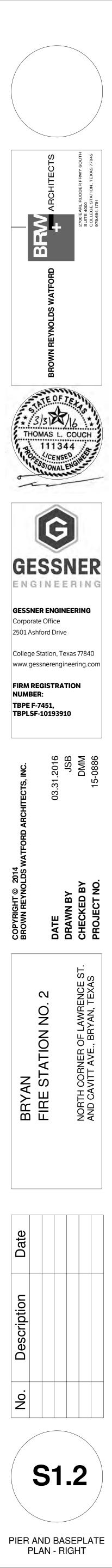




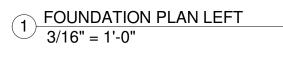
ONSTRUCTION Ŏ FOR

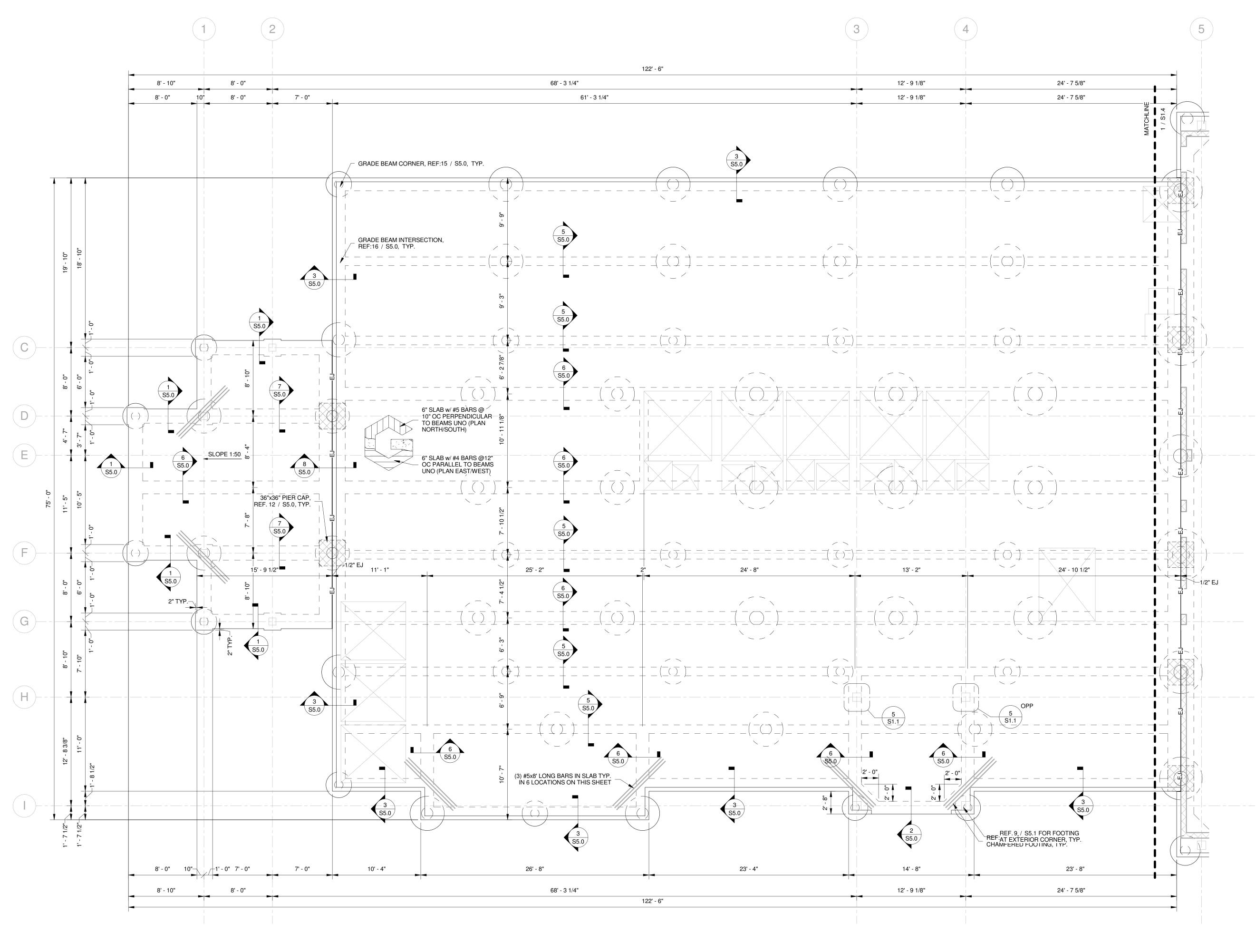


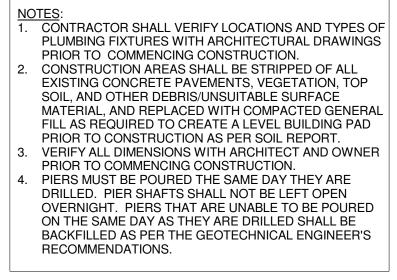
 $1 \frac{\text{PIER AND BASEPLATE PLAN RIGHT}}{3/16" = 1'-0"}$ 



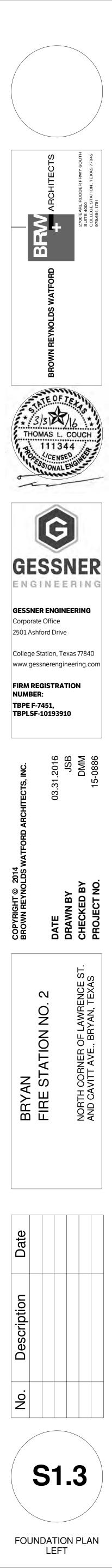
FOR CONSTRUCTION

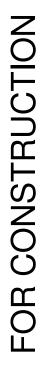


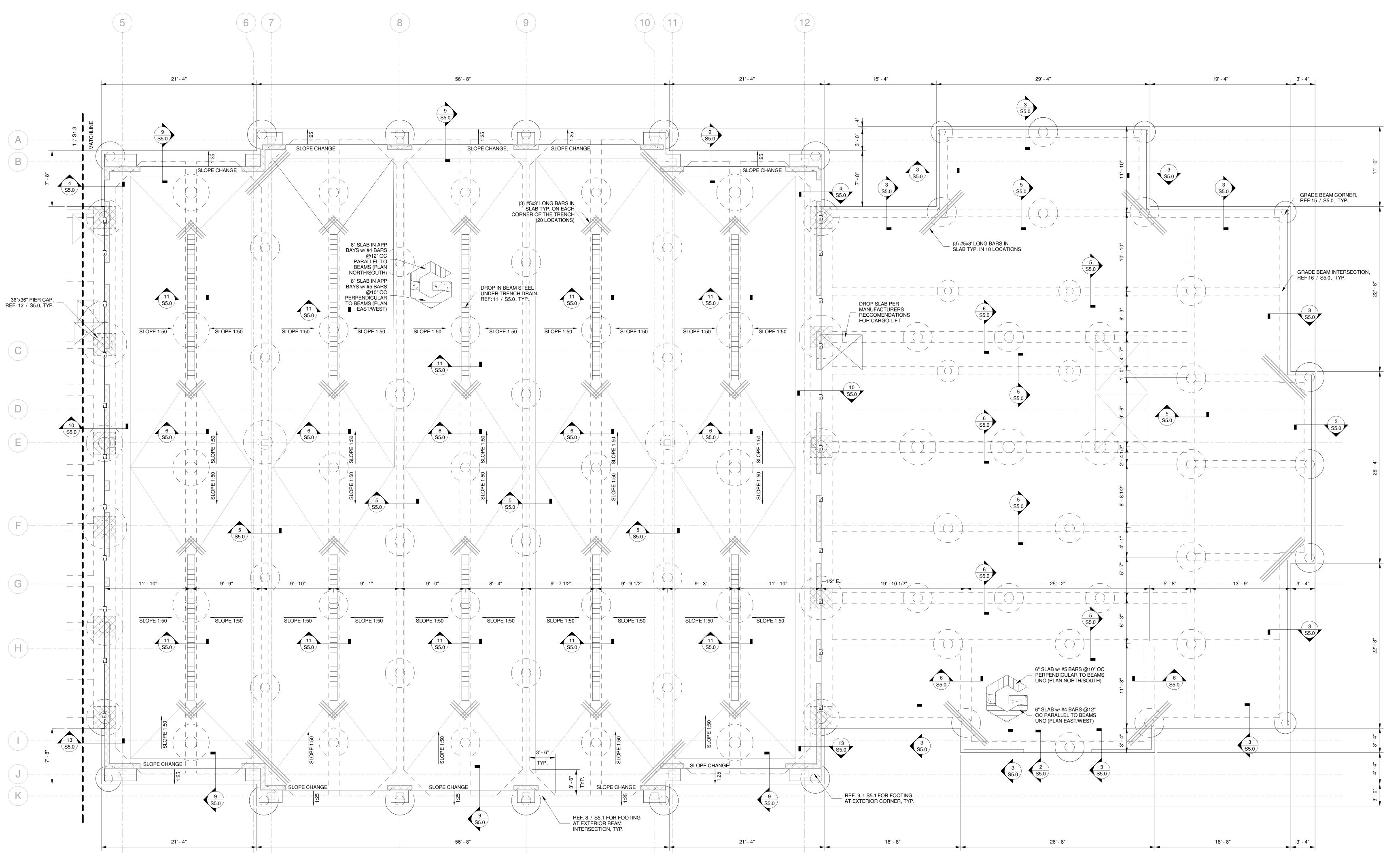




FOUNDATION SQUARE FOOTAGE: 21,940 SF

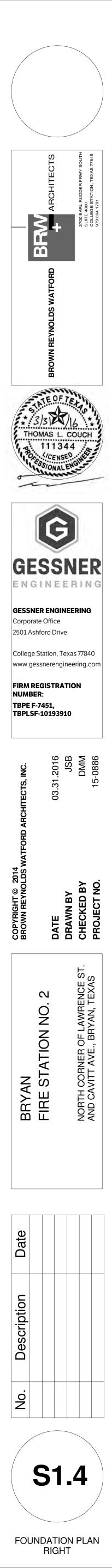






1 FOUNDATION PLAN RIGHT 3/16" = 1'-0"

> NOTES: 1. CONTRACTOR SHALL VERIFY LOCATIONS AND TYPES OF PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCING CONSTRUCTION. 2. CONSTRUCTION AREAS SHALL BE STRIPPED OF ALL EXISTING CONCRETE PAVEMENTS, VEGETATION, TOP SOIL, AND OTHER DEBRIS/UNSUITABLE SURFACE MATERIAL, AND REPLACED WITH COMPACTED GENERAL FILL AS REQUIRED TO CREATE A LEVEL BUILDING PAD PRIOR TO CONSTRUCTION AS PER SOIL REPORT. 3. VERIFY ALL DIMENSIONS WITH ARCHITECT AND OWNER PRIOR TO COMMENCING CONSTRUCTION. 4. PIERS MUST BE POURED THE SAME DAY THEY ARE DRILLED. PIER SHAFTS SHALL NOT BE LEFT OPEN OVERNIGHT. PIERS THAT ARE UNABLE TO BE POURED ON THE SAME DAY AS THEY ARE DRILLED SHALL BE BACKFILLED AS PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.



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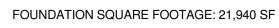
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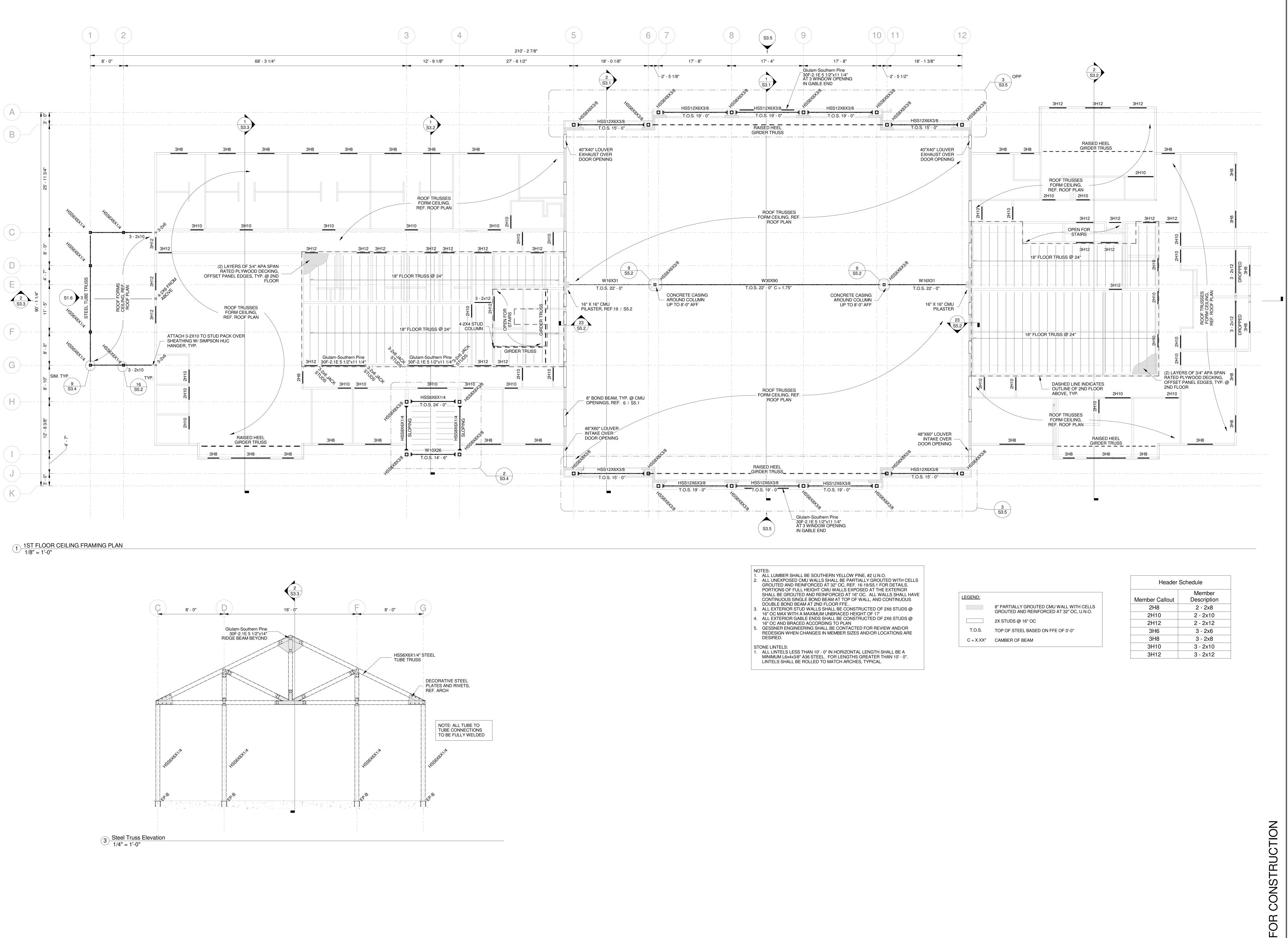
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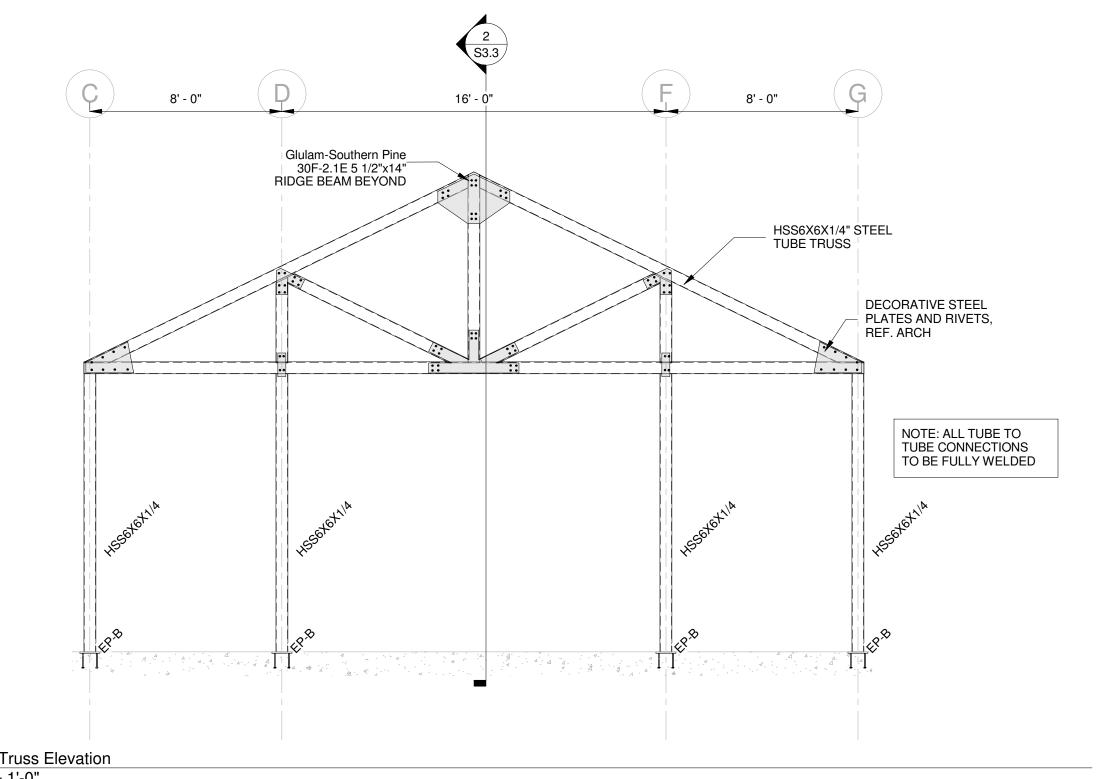
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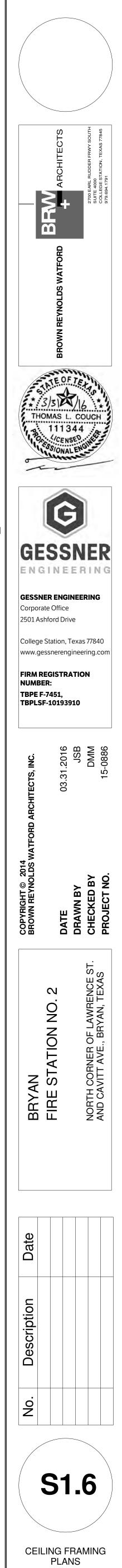
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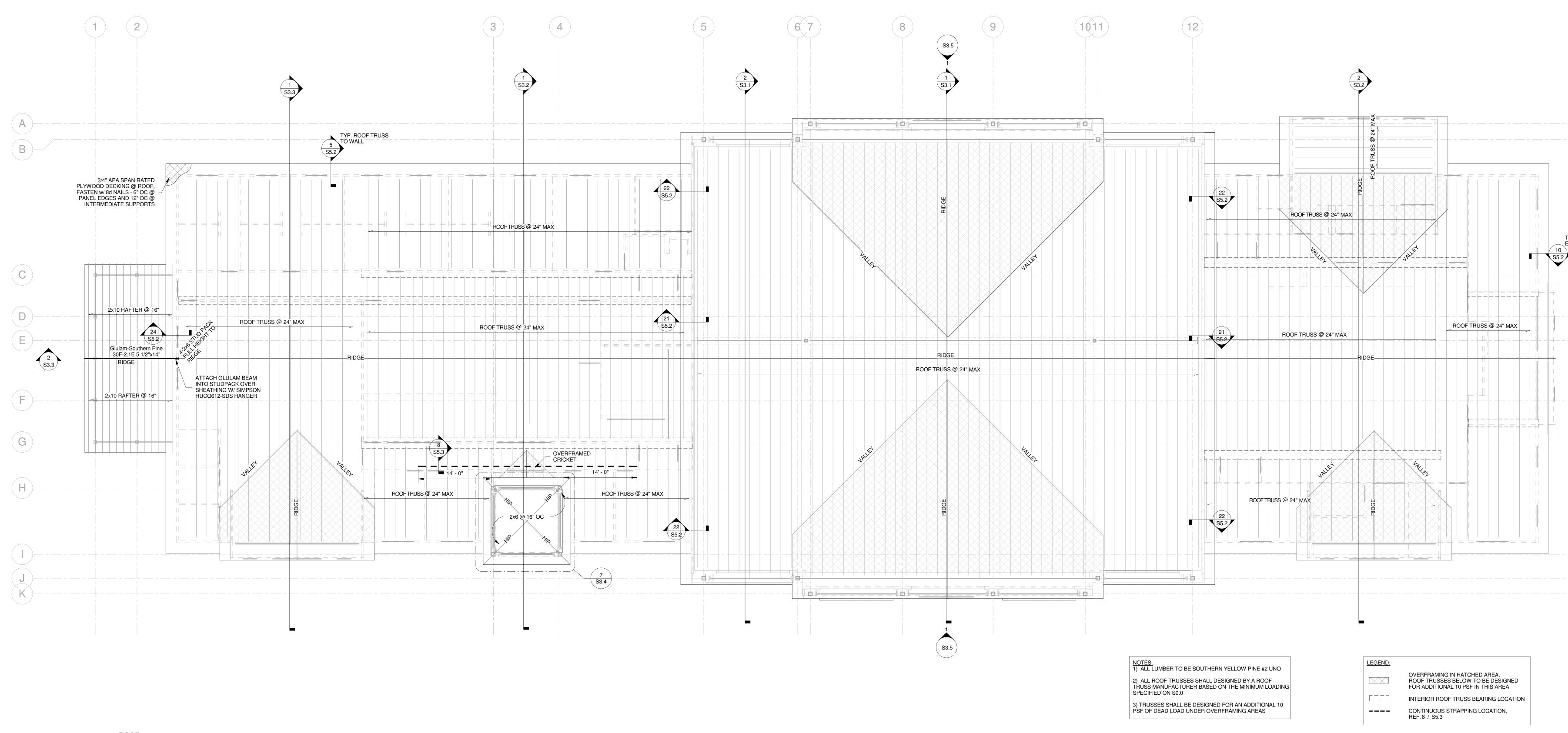




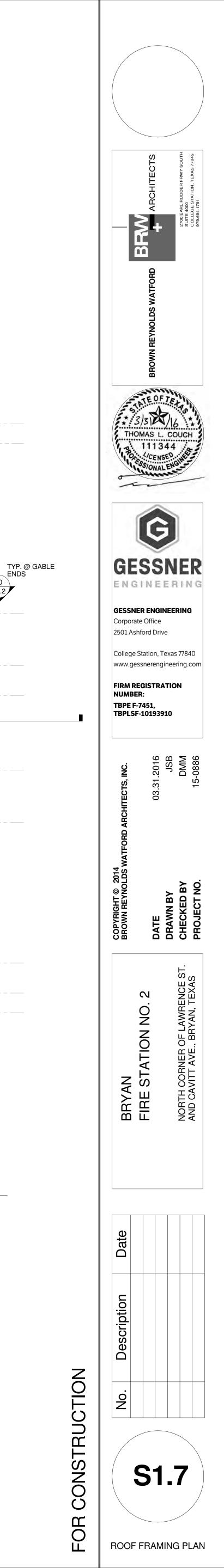


Header Schedule					
Member Callout	Member Description				
Member Callout	Description				
2H8	2 - 2x8				
2H10	2 - 2x10				
2H12	2 - 2x12				
3H6	3 - 2x6				
3H8	3 - 2x8				
3H10	3 - 2x10				
3H12	3 - 2x12				

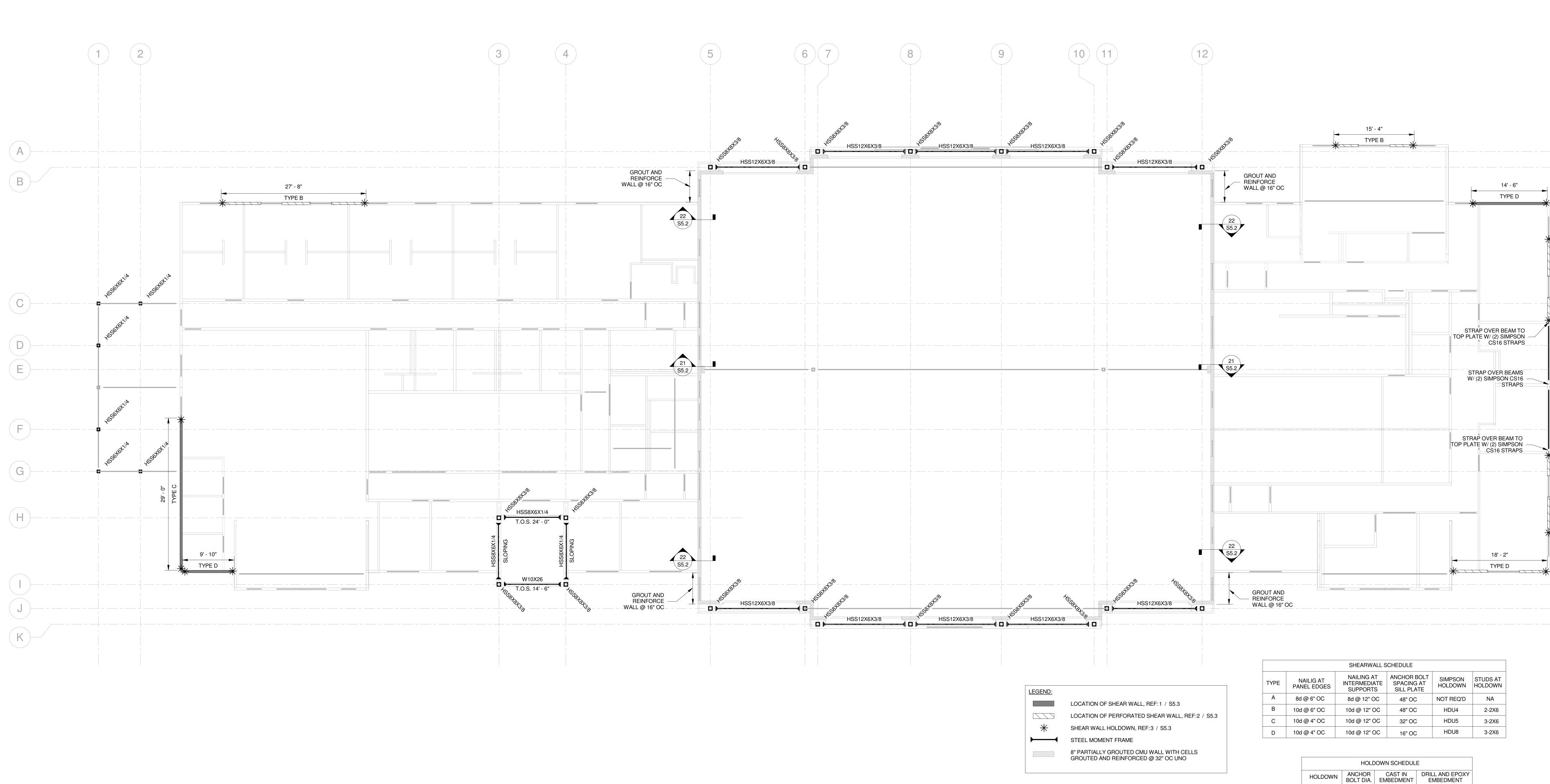




1 ROOF 1/8" = 1'-0"



# $1 \frac{1 \text{ ST FLOOR LATERAL PLAN}}{1/8" = 1'-0"}$



NOTE: REF. LATERAL DETAIL SHEET FOR CONNECTION DETAILS

6"

10"

12"

8"

12"

18"

5/8"

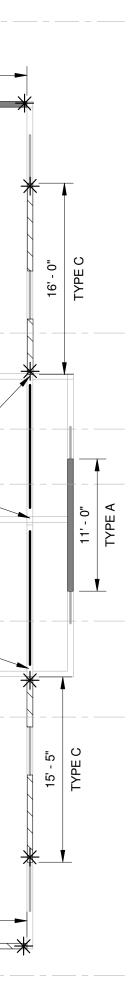
5/8"

7/8"

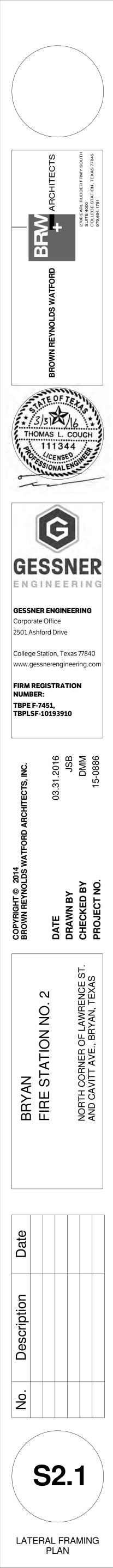
HDU 4

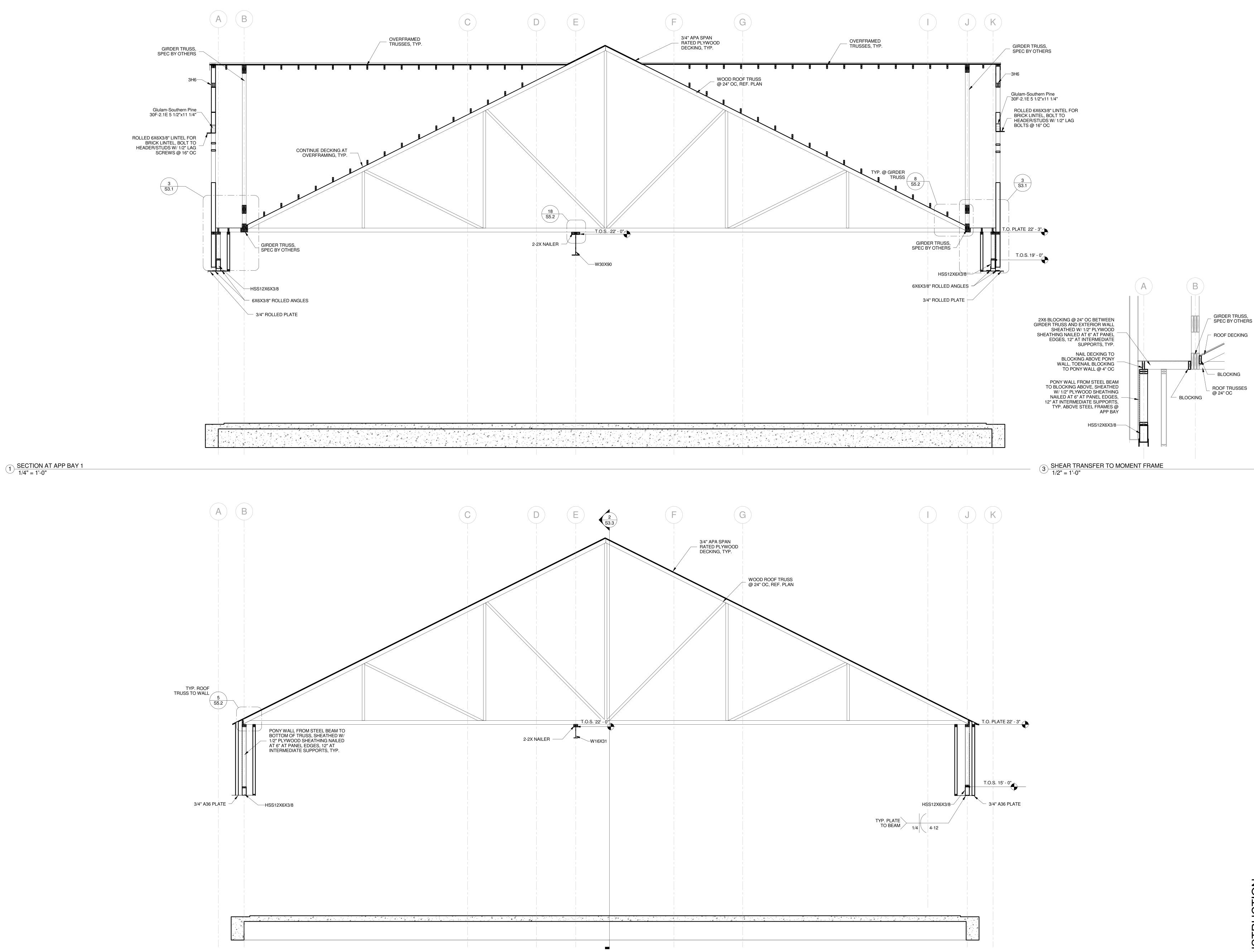
HDU 5

HDU 8

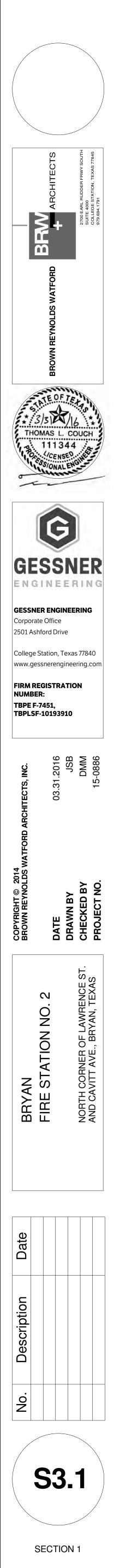


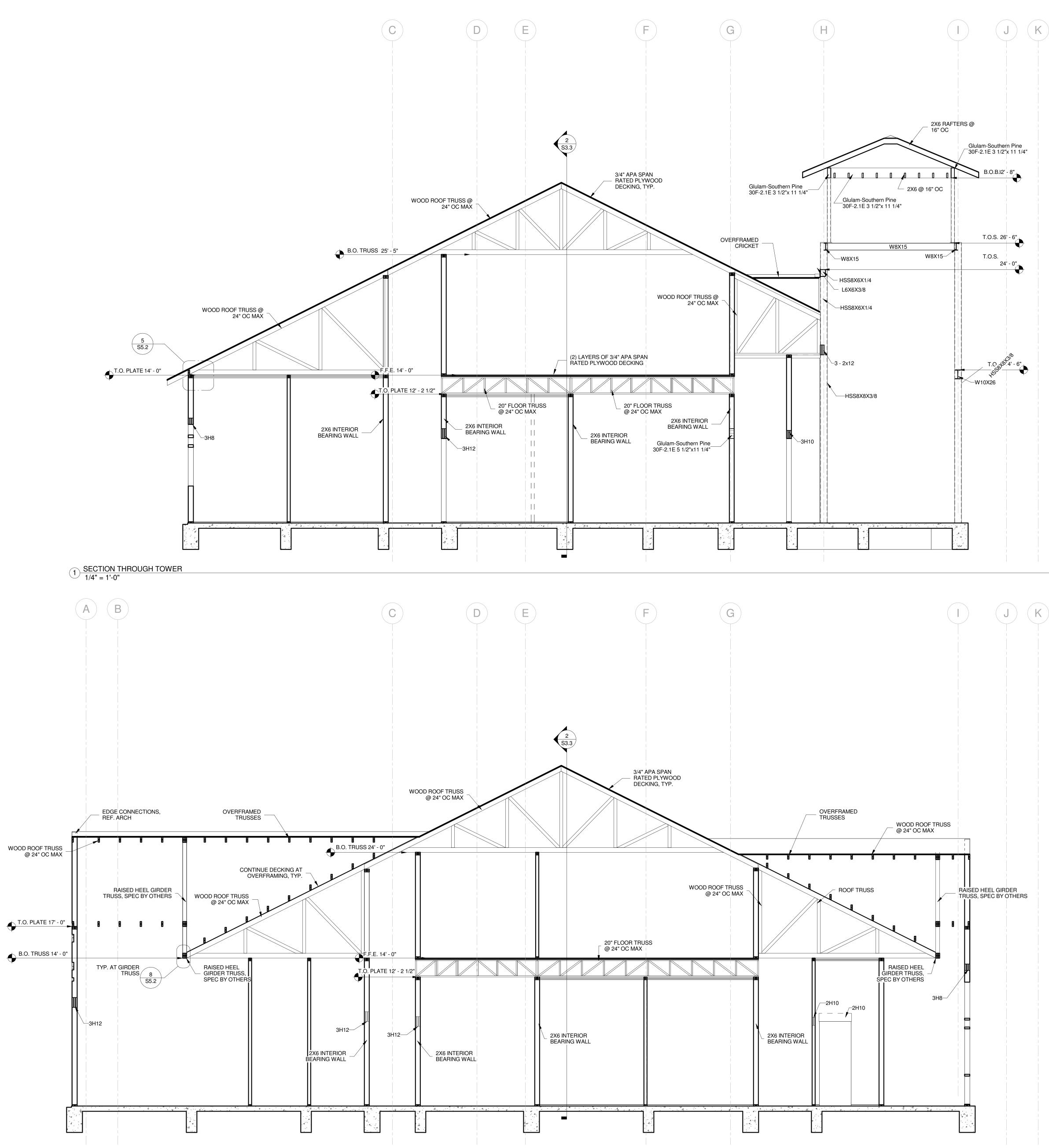


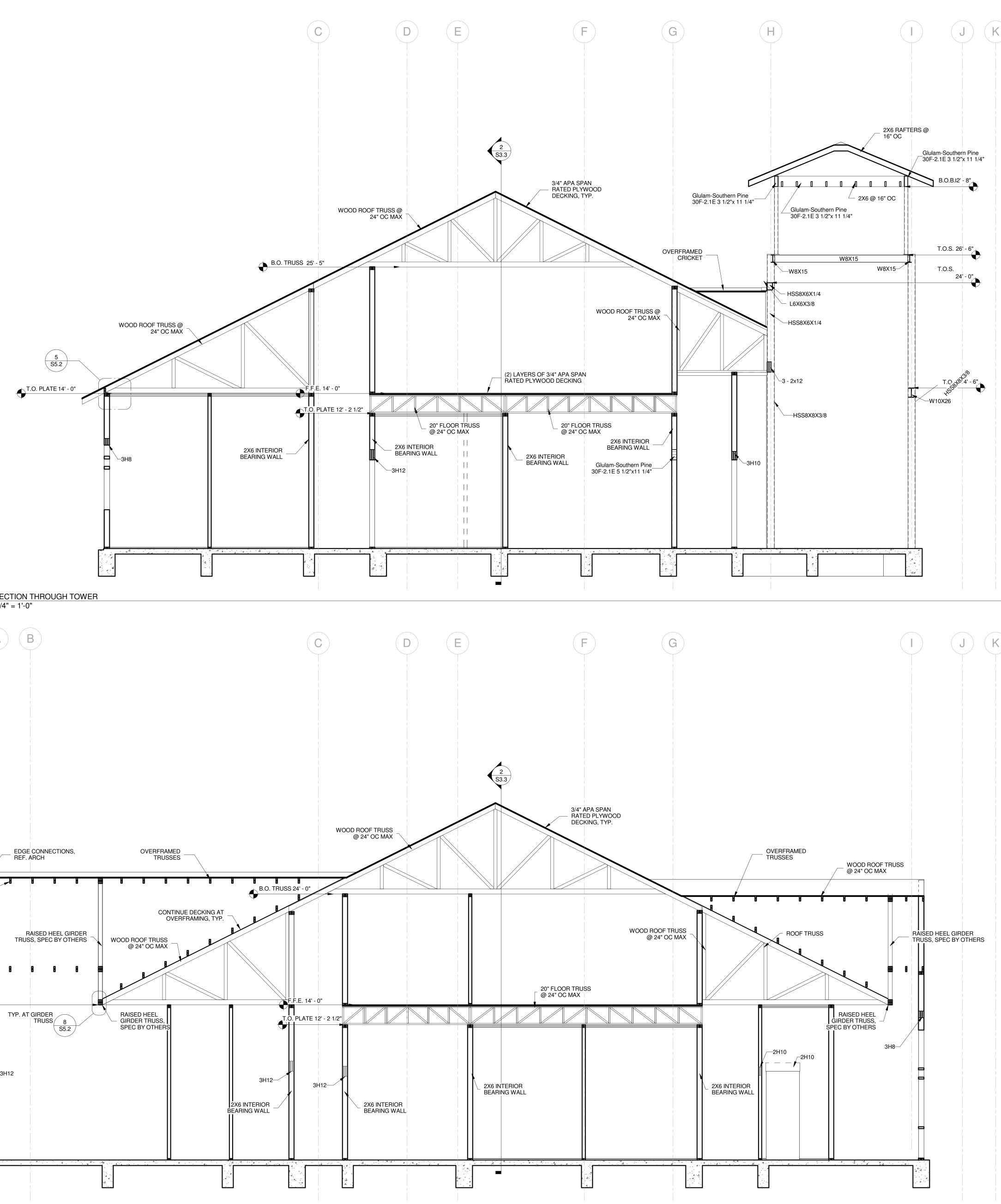


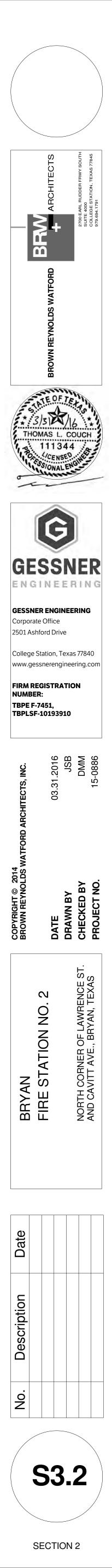




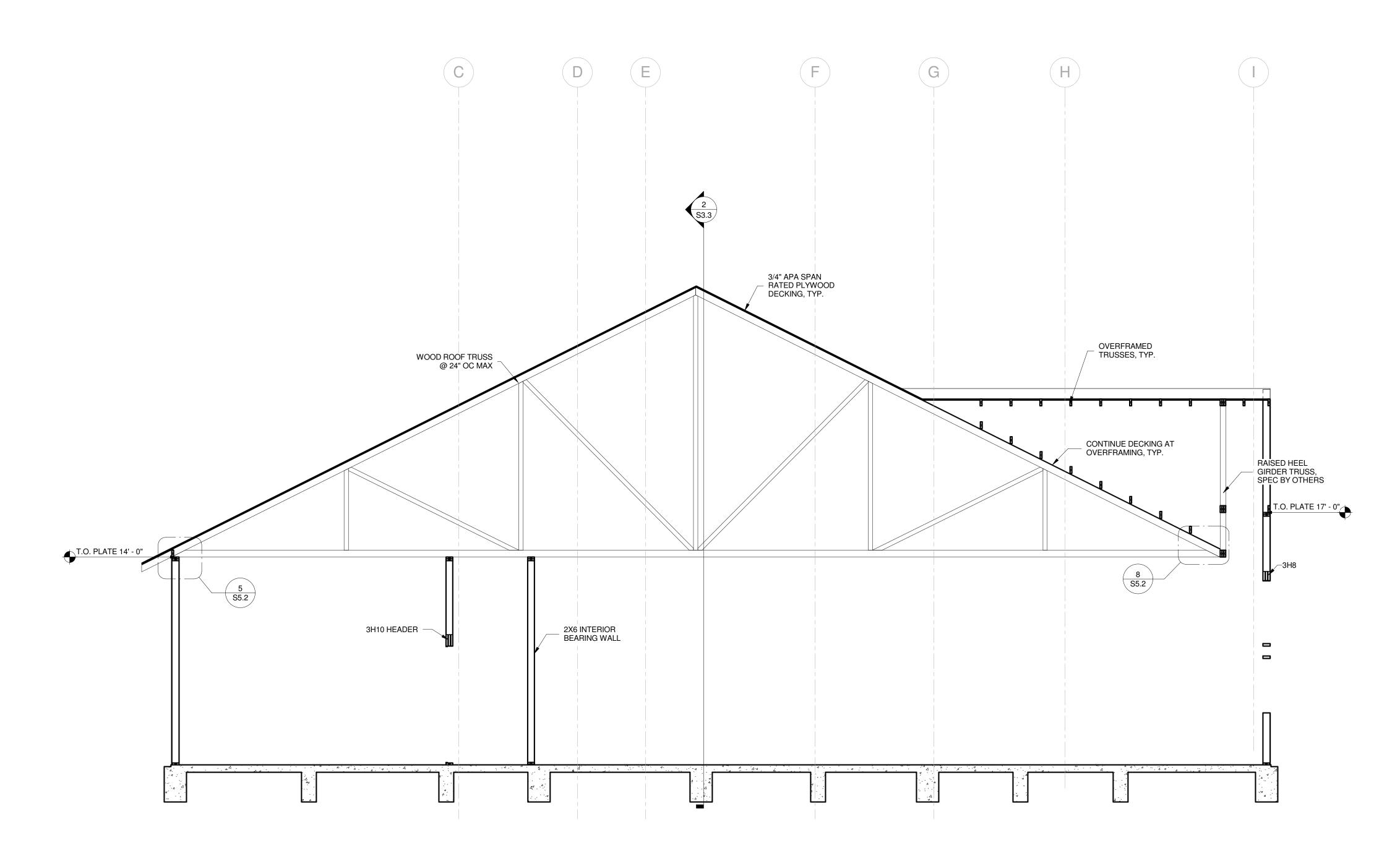




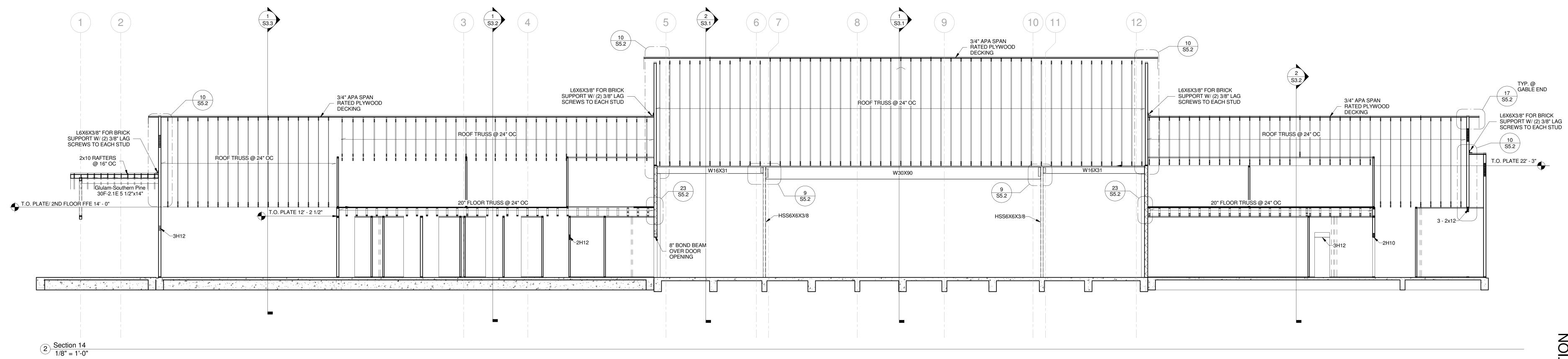


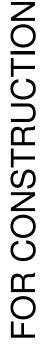


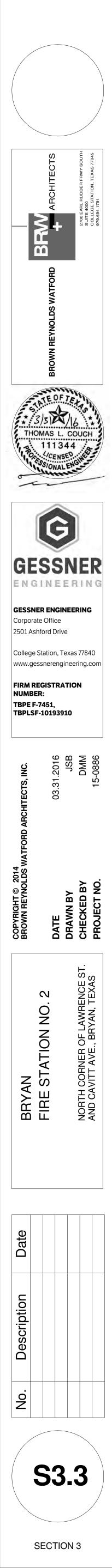
CONSTRUCTION FOR



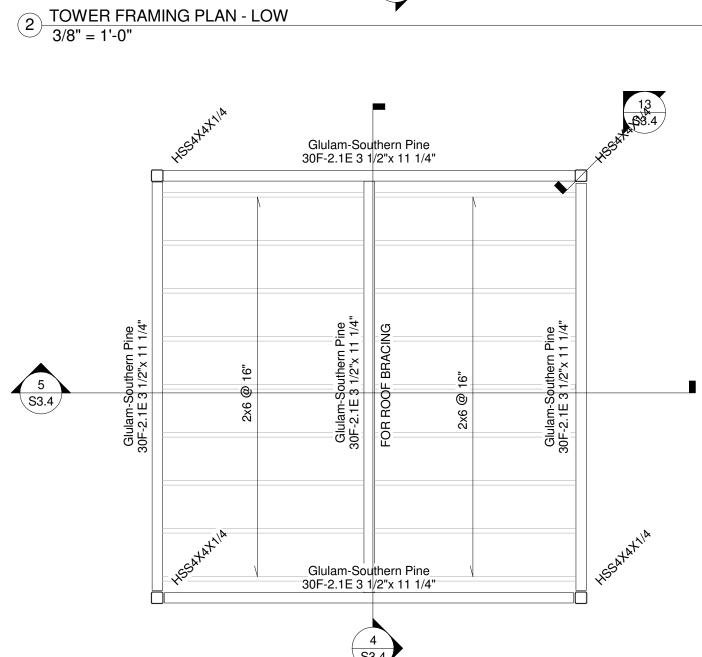
1 SECTION AT BUMPOUT 2 1/4" = 1'-0"

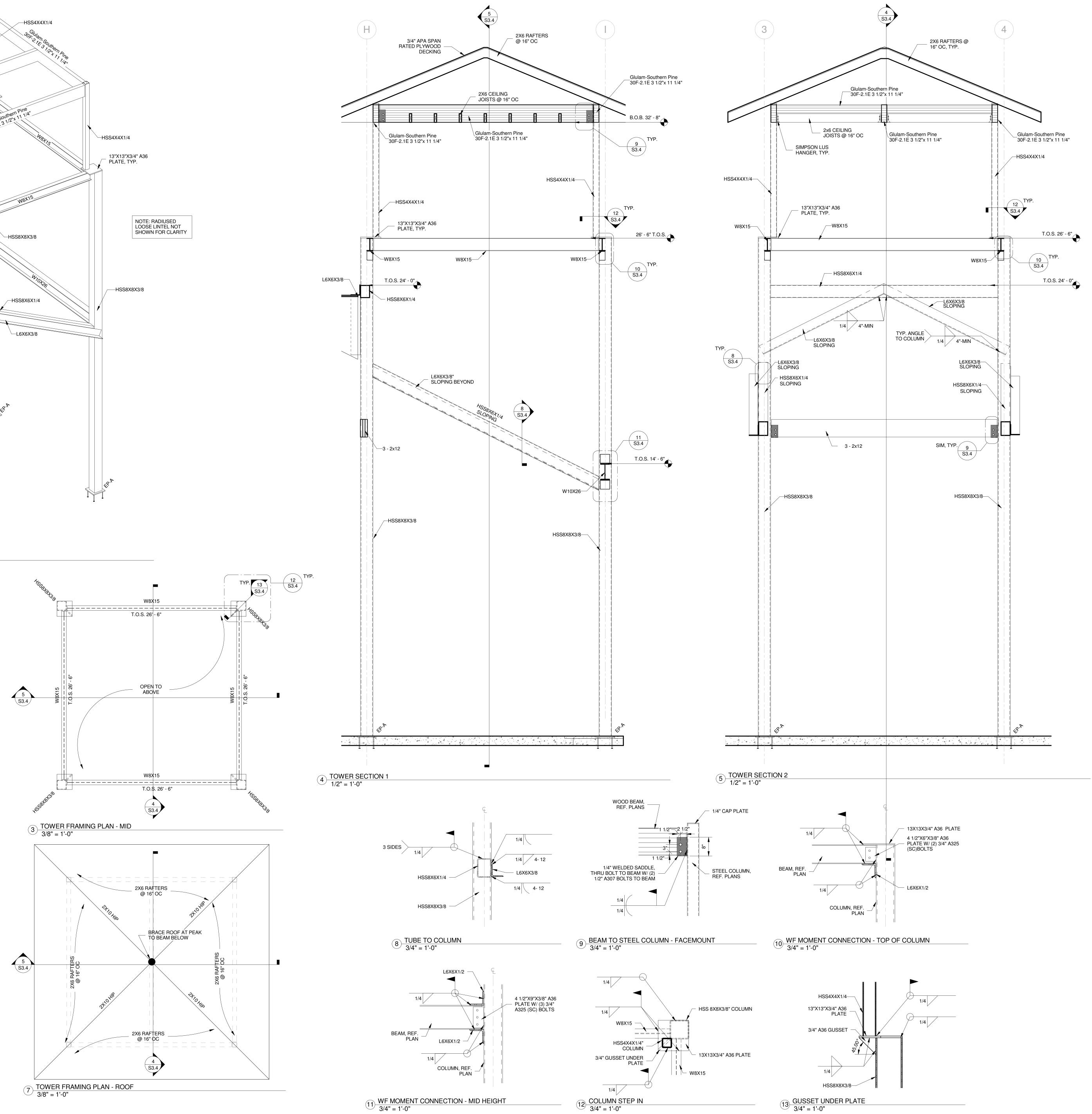


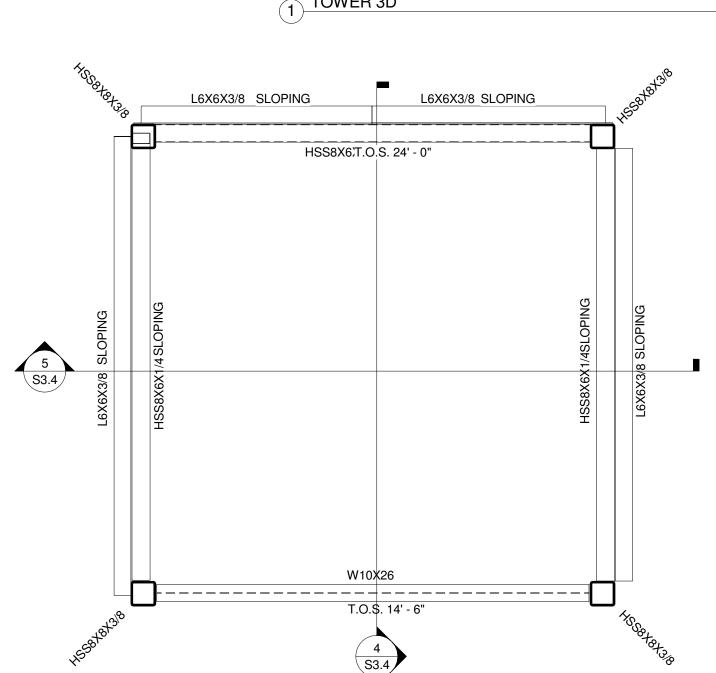


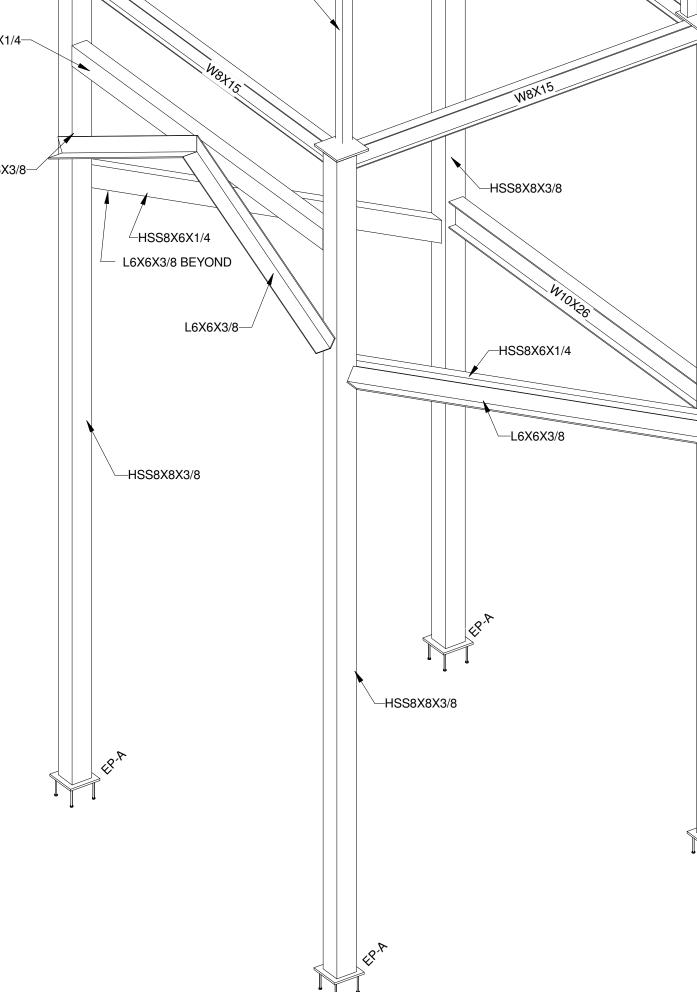


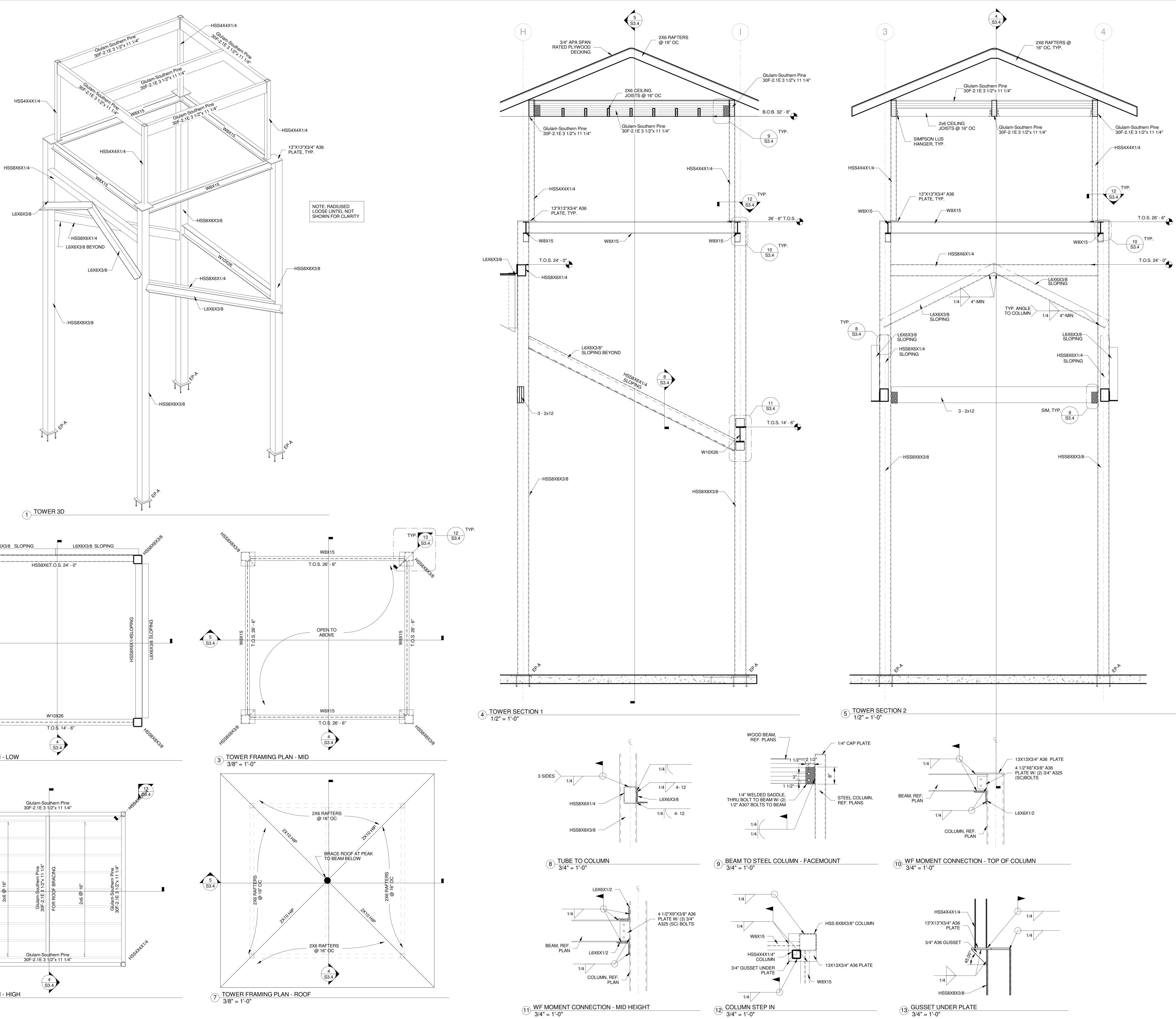


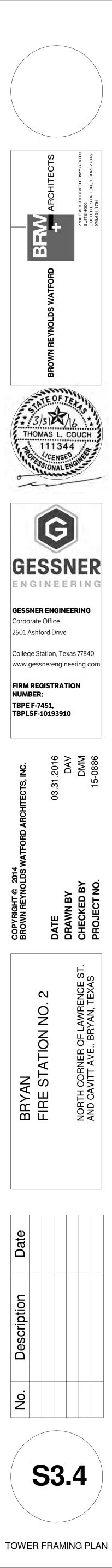




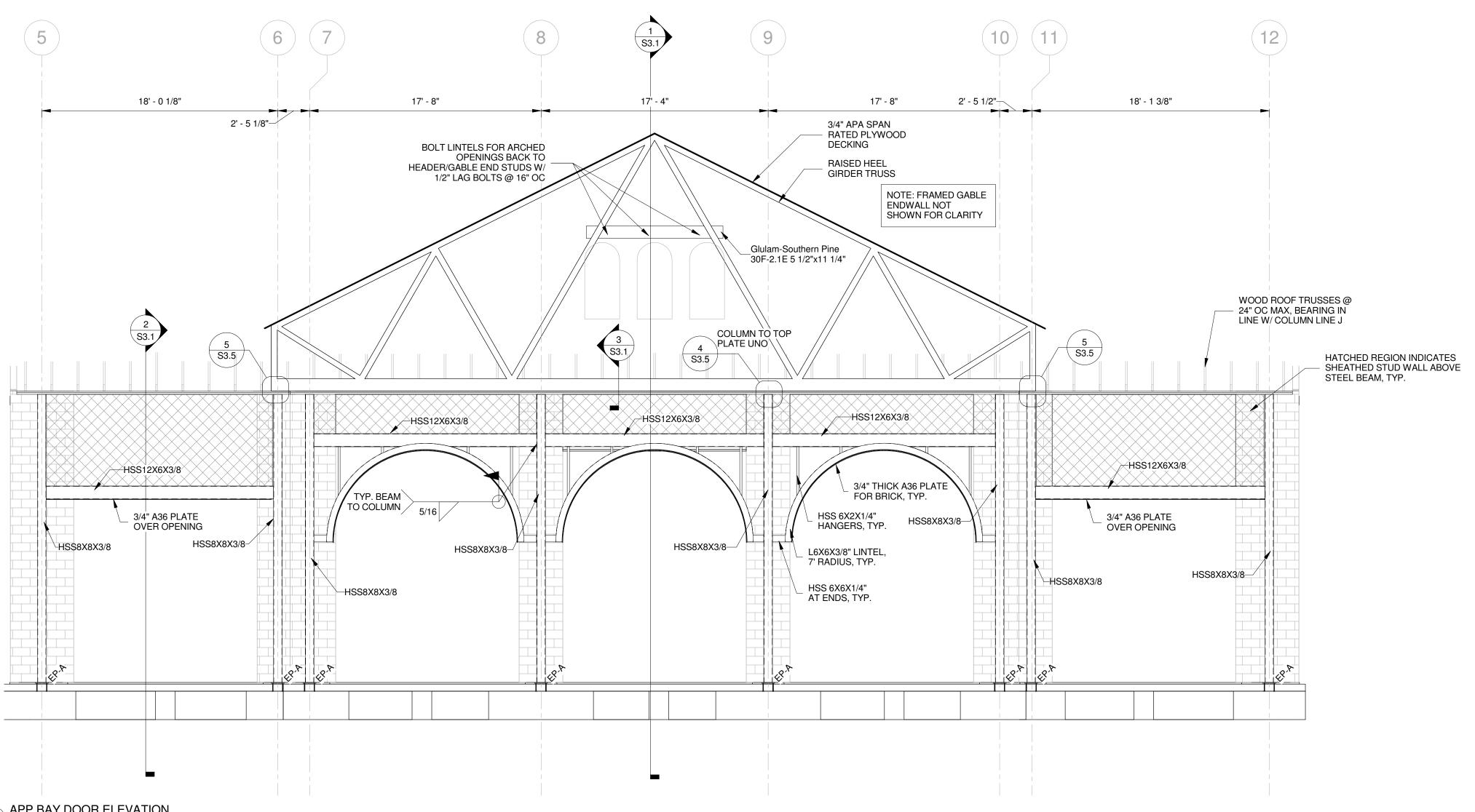




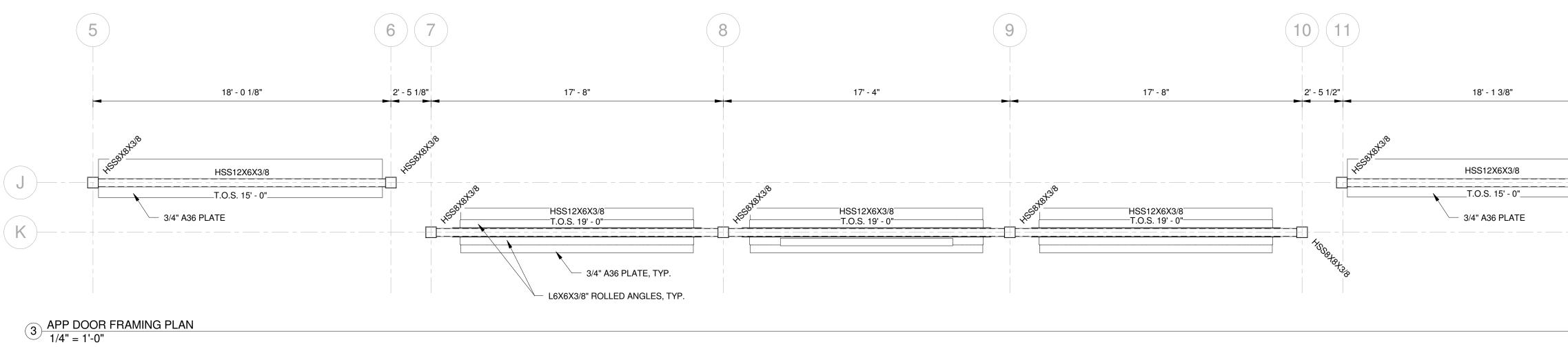


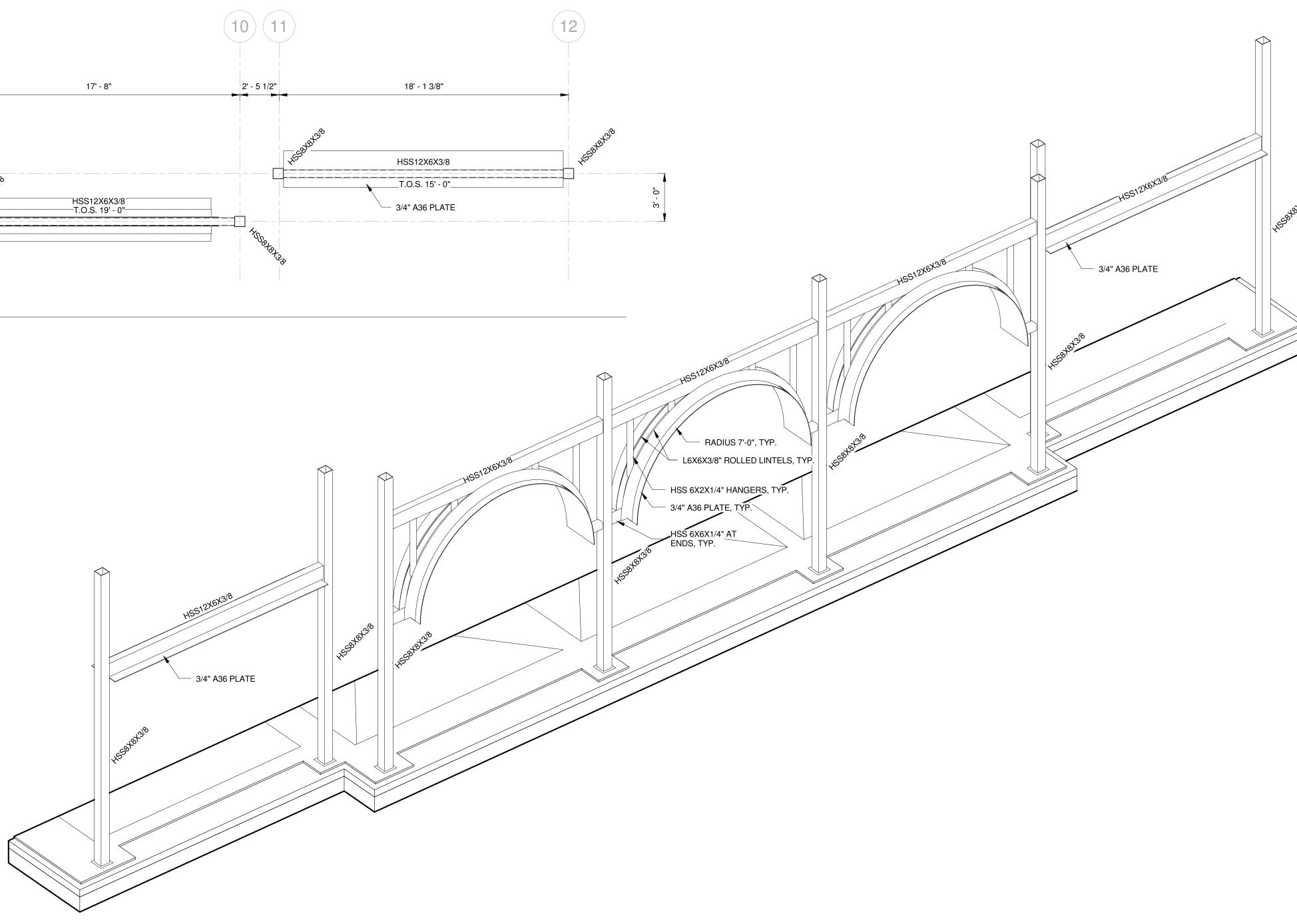


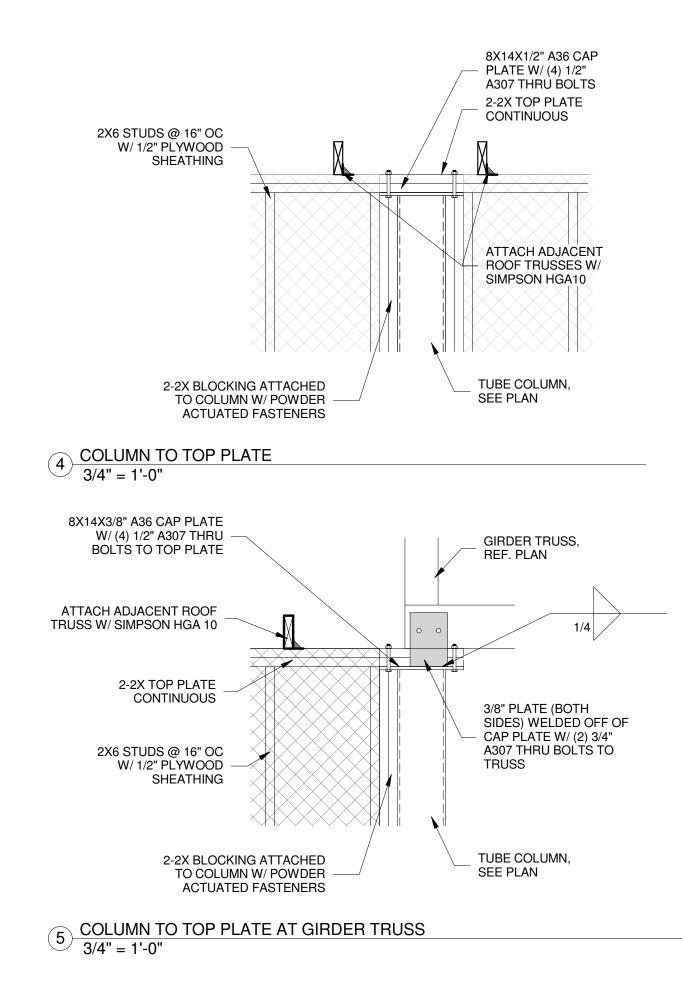
ONSTRUCTION Ŭ FOR

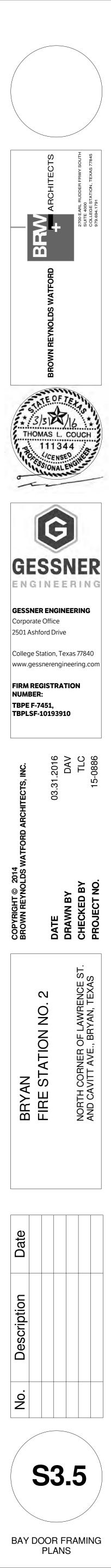


 $1 \frac{\text{APP BAY DOOR ELEVATION}}{3/16" = 1'-0"}$ 

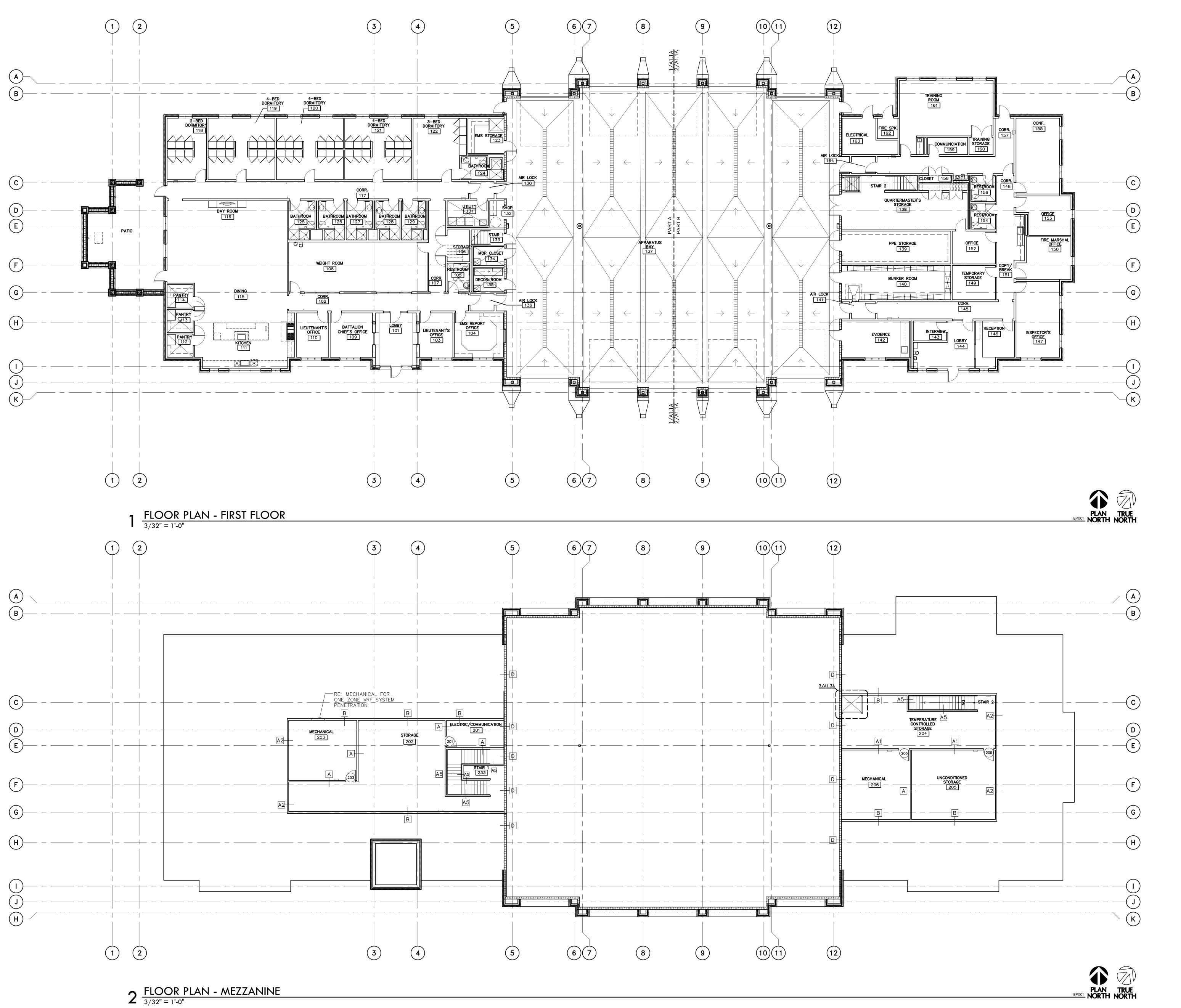






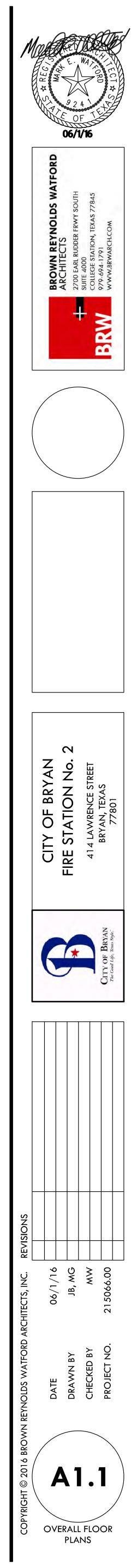


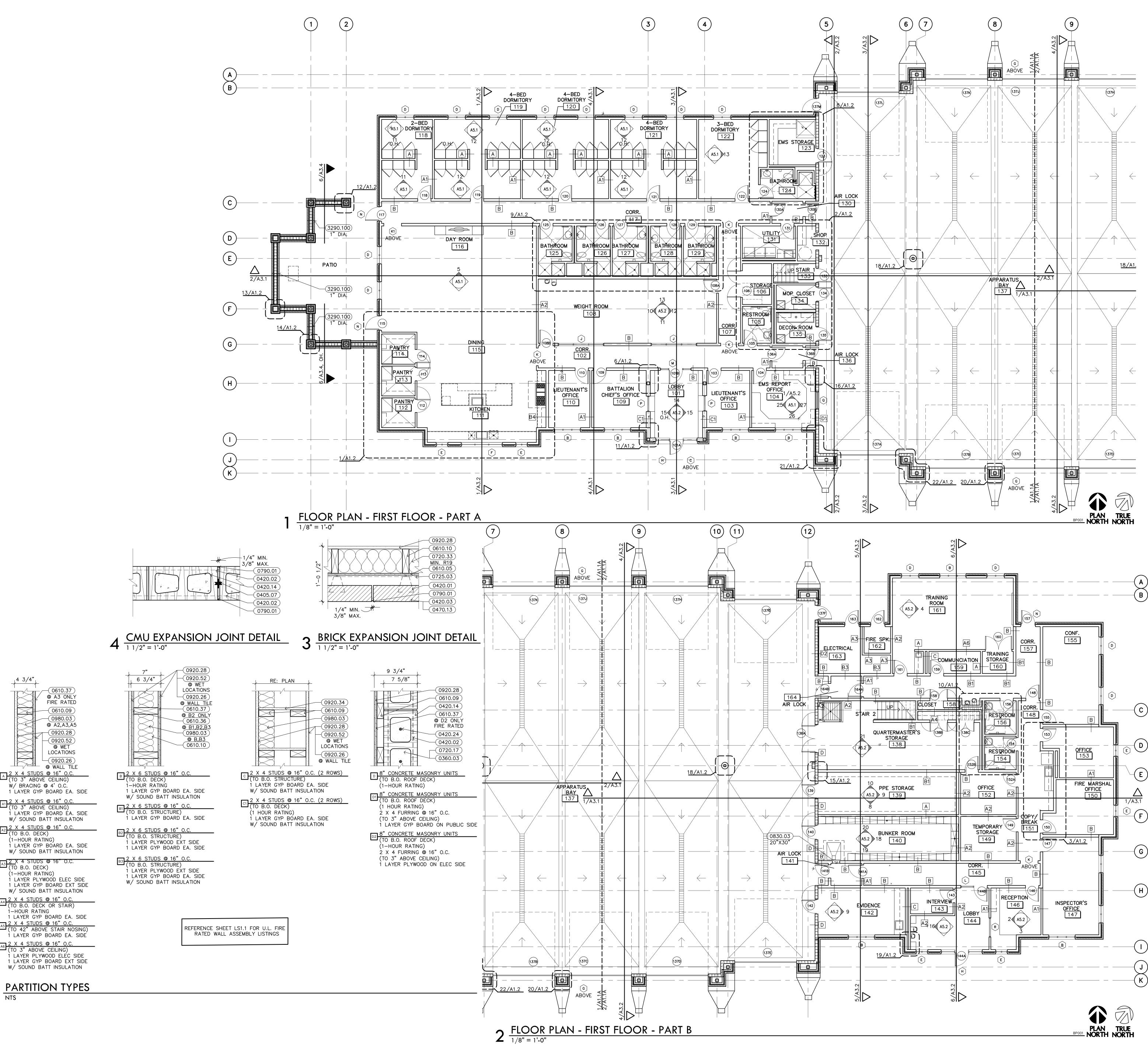
FOR CONSTRUCTION



\*NOTE ALL TOILET ROO OCCUPANCY AND THERI FEMALE FIXTURES ARE WATER CLOSETS OCCUPANCYOCCUPANTBUSINESS30RESIDENTIAL42STORAGE58 ΤΟΤΑ TOTAL LAVATORIES OCCUPANCY / OCCUPANTS BUSINESS 30 RESIDENTIAL 42 STORAGE 58 TOTAL TOTAL BATH TUBS / SHOWER OCCUPANCY / OCCUPANT RESIDENTIAL 42 TOTA TOTAL DRINKING FOUNTAINS OCCUPANCY / OCCUPANT BUSINESS 30 RESIDENTIAL 42 STORAGE 58 TOT SERVICE SINKS OCCUPANCY / OCCUPANT BUSINESS 30 RESIDENTIAL 42 STORAGE 58

PLUMBING FIXTURE COUNT							
*NOTE ALL TOILET ROOMS ARE SINGLE OCCUPANCY AND THEREFORE MALE AND FEMALE FIXTURES ARE NOT DICTATED.							
WATER CLOSETS							
OCCUPANCY / OCCUPANTS RATIO REQ'D							
BUSINESS	30	1:25	1.20				
RESIDENTIAL	42	1:10	4.20				
STORAGE	58	1:100	0.58				
		TOTAL:	5.98				
		EQUIRED:	6.00				
	TOTAL P	ROVIDED:	9.00				
LAVATORIES							
OCCUPANCY / OC	CUPANTS	RATIO	REQ'D				
BUSINESS	30	1: 40	0.75				
RESIDENTIAL	42	1:10	4.20				
STORAGE	58	1:100	0.58				
		TOTAL:	5.53				
TOTAL REQUIRED:			6.00				
		ROVIDED:	9.00				
BATH TUBS / SHOWERS							
OCCUPANCY / OCCUPANTS RATIO REQ'D							
RESIDENTIAL	42	1:8	5.25				
		TOTAL:	5.25				
	TOTAL REQUIRED:		5.25				
	TOTAL P	ROVIDED:	6.00				
DRINKING FOUNTAINS							
OCCUPANCY / OC	CUPANTS	RATIO	REQ'D				
BUSINESS	30	1:100	0.30				
RESIDENTIAL	42	1:100	0.42				
STORAGE	58	1:1000	0.06				
		TOTAL:	0.78				
	TOTAL R	EQUIRED:	1.00				
	TOTAL P	ROVIDED:	3.00				
SERVICE SINKS							
OCCUPANCY / OCCUPANTS RATIO			REQ'D				
BUSINESS	30	1	1				
RESIDENTIAL	42	SERVICE	SERVICE				
STORAGE	58	SINK	SINK				
	I	TOTAL:	1.00				
	TOTAL R	EQUIRED:	1.00				
	TOTAL P	ROVIDED:	3.00				





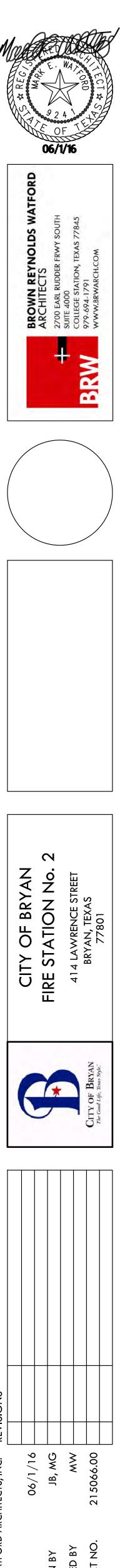
4 3/4"  $\bowtie$  $\leftarrow$ A 2 X 4 STUDS @ 16" O.C. (TO 3" ABOVE CEILING) W/ BRACING @ 4' O.C. 1 LAYER GYP BOARD EA. SIDE A1 2 X 4 STUDS @ 16" O.C. (TO 3" ABOVE CEILING) 1 LAYER GYP BOARD ÉA. SIDE W/ SOUND BATT INSULATION A2 (TO B.O. DECK) (1-HOUR RATING) 1 LAYER GYP BOARD EA. SIDE W/ SOUND BATT INSULATION A3 2 X 4 STUDS @ 16" O.C. (TO B.O. DECK) (1-HOUR RATING) 1 LAYER PLYWOOD ELEC SIDE 1 LAYER GYP BOARD EXT SIDE W/ SOUND BATT INSULATION A4 2 X 4 STUDS © 16" O.C. (TO B.O. DECK OR STAIR) 1-HOUR RATING 1 LAYER GYP BOARD EA. SIDE <u>2 X 4 STUDS © 16" O.C.</u> (TO 42" ABOVE STAIR NOSING) 1 LAYER GYP BOARD EA. SIDE A6 2 X 4 STUDS @ 16" O.C. (TO 3" ABOVE CEILING) 1 LAYER PLYWOOD ELEC SIDE 1 LAYER GYP BOARD EXT SIDE W/ SOUND BATT INSULATION

NTS

### **KEYNOTES** DIVISION 03 - CONCRETE 0360.03 FILL WITH GROUT DIVISION 04 - MASONRY 0405.07 RUBBER GASKET O.C.E.W. 0420.02 HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY 0420.03 4" FACE BRICK 0420.14 8" CONCRETE MASONRY UNITS 0420.24 VERTICAL REINFORCING IN CONCRETE 0470.13 MANUFACTURED STONE DIVISION 06 - WOOD, PLASTICS, & COMPOSITES 0610.05 1/2" EXTERIOR GRADE PLYWOOD 0610.09 2 X 4 WOOD STUDS AT 16" O.C. 0610.10 2 X 6 WOOD STUDS AT 16" O.C. 0610.36 1/2" PLYWOOD 0610.37 5/8" PLYWOOD 0720.17 GRANULAR INSULATING FILL IN CMU BLOCKS 0720.33 BATT INSULATION 0725.03 PLASTIC FILM AIR BARRIER DIVISION 08 - OPENINGS 0830.03 WALL ACCESS PANEL DIVISION 09 - FINISHES 0920.26 5/8" CEMENTITIOUS BACKER BOARD 0920.28 5/8" GYPSUM BOARD (TYPE X) 0920.34 GYPSUM BOARD GUSSETS AT 16" O.C. VERTICALLY 0920.52 5/8" GYPSUM BOARD, MOISTURE RESISTANT (TYPE X)

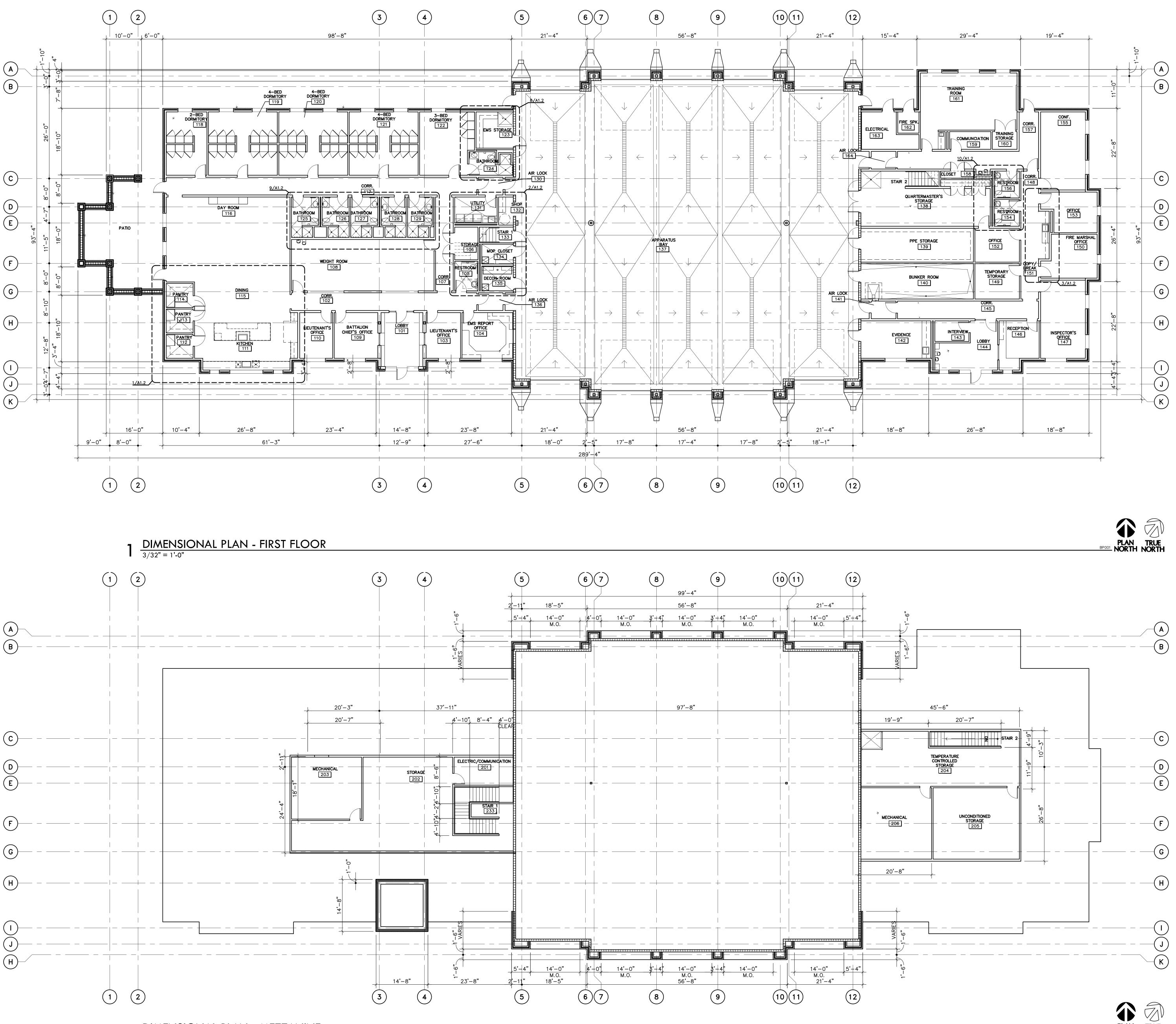
DIVISION 32 - EXTERIOR IMPROVEMENTS 3290.100 PVC DRAIN

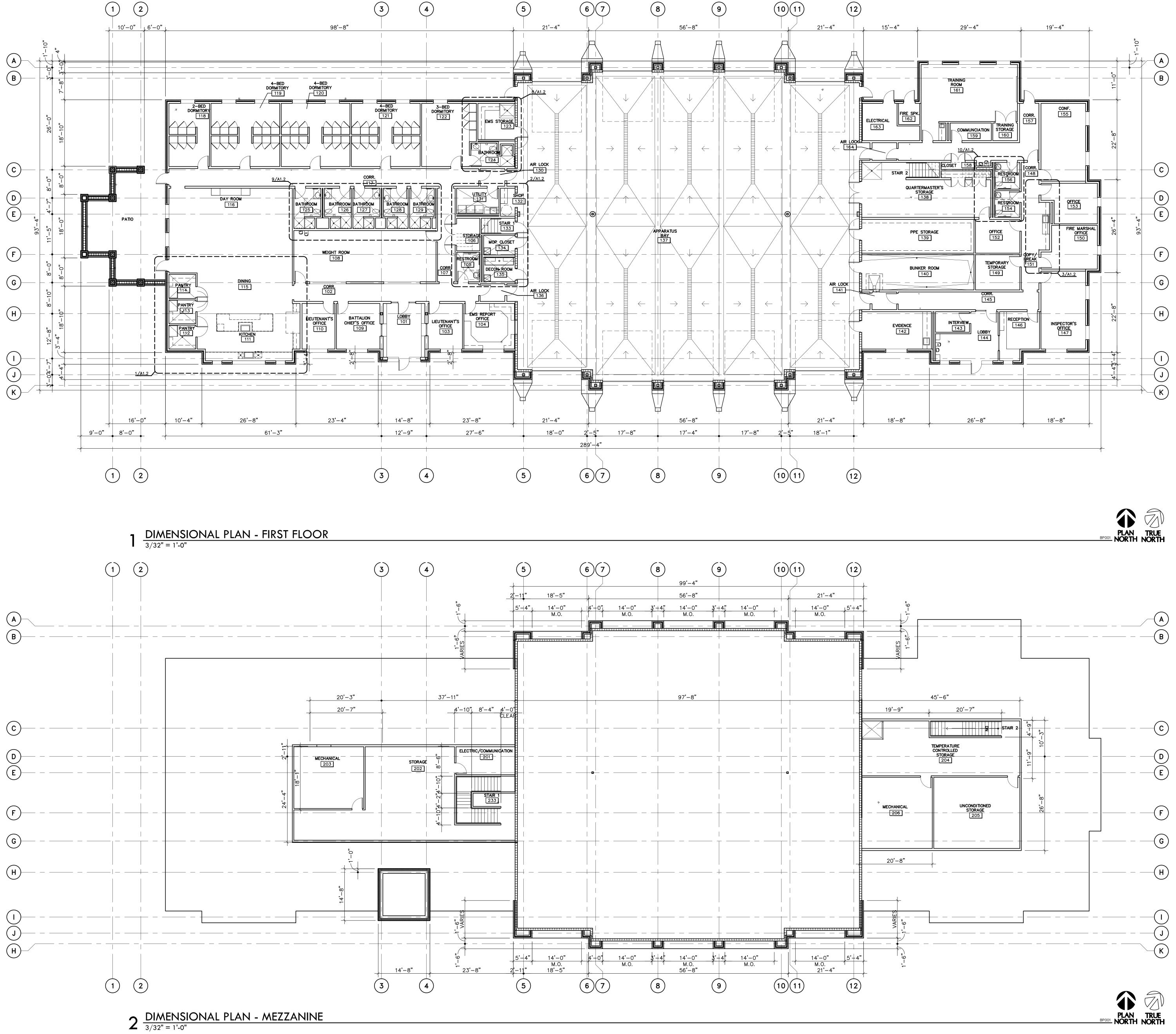
- 0420.01 ADJUSTABLE MASONRY WALL TIES AT 16"
  - MASONRY UNITS (RE: STRUCTURAL)
- DIVISION 07 THERMAL & MOISTURE PROTECTION
- 0790.01 SEALANT WITH BACKER ROD AS REQUIRED
- 0980.03 3 1/2" SOUND ATTENUATION INSULATION



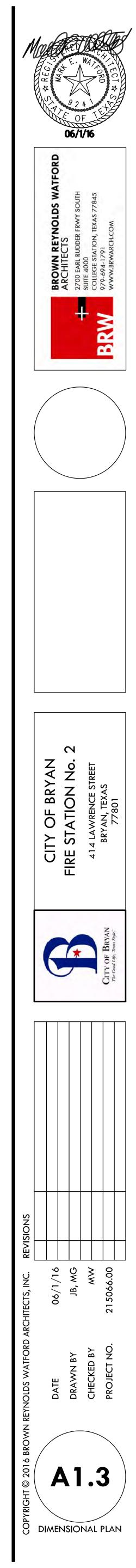
**A1.1A** 

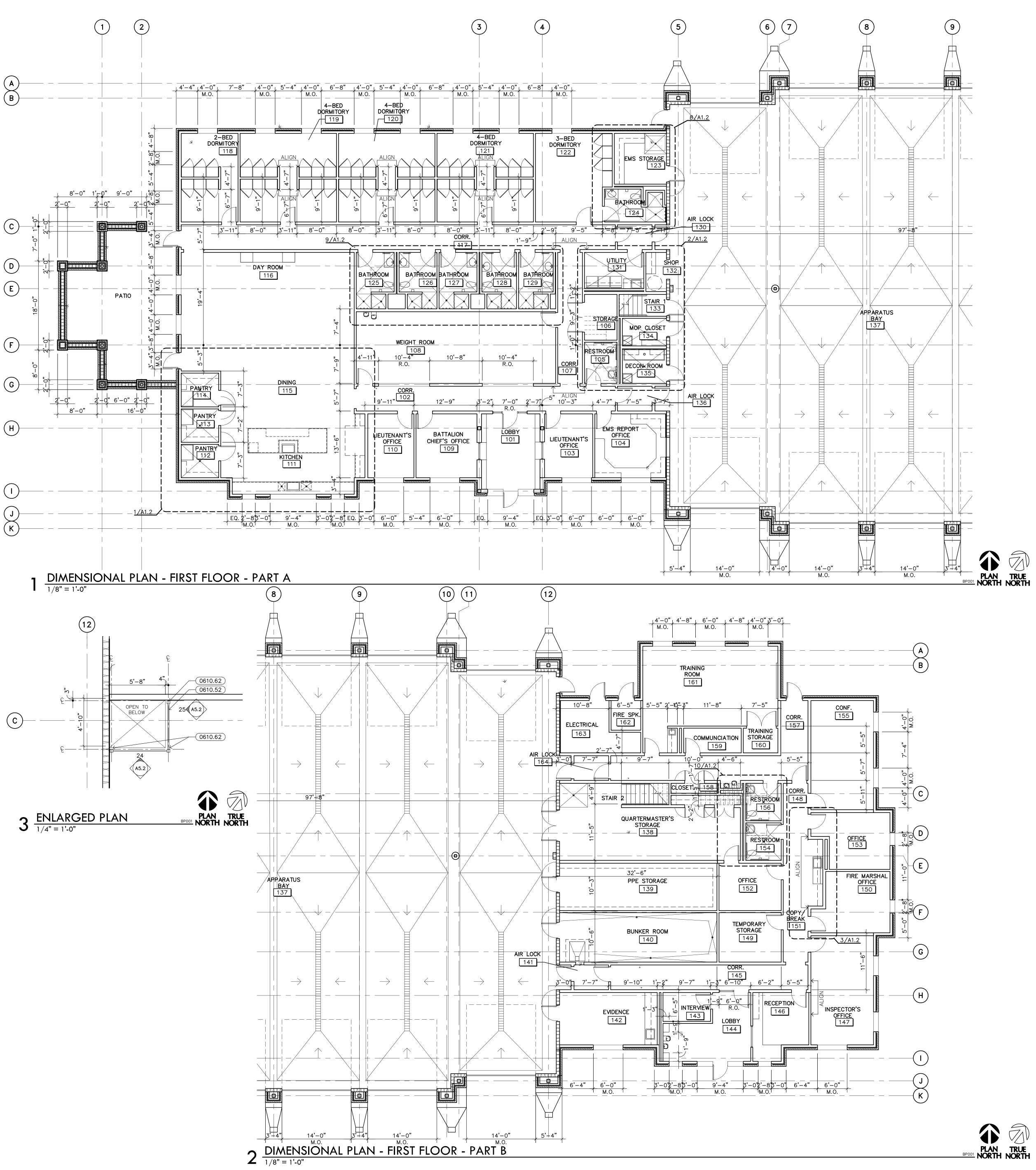
FIRST FLOOR PLAN SECTOR PLANS

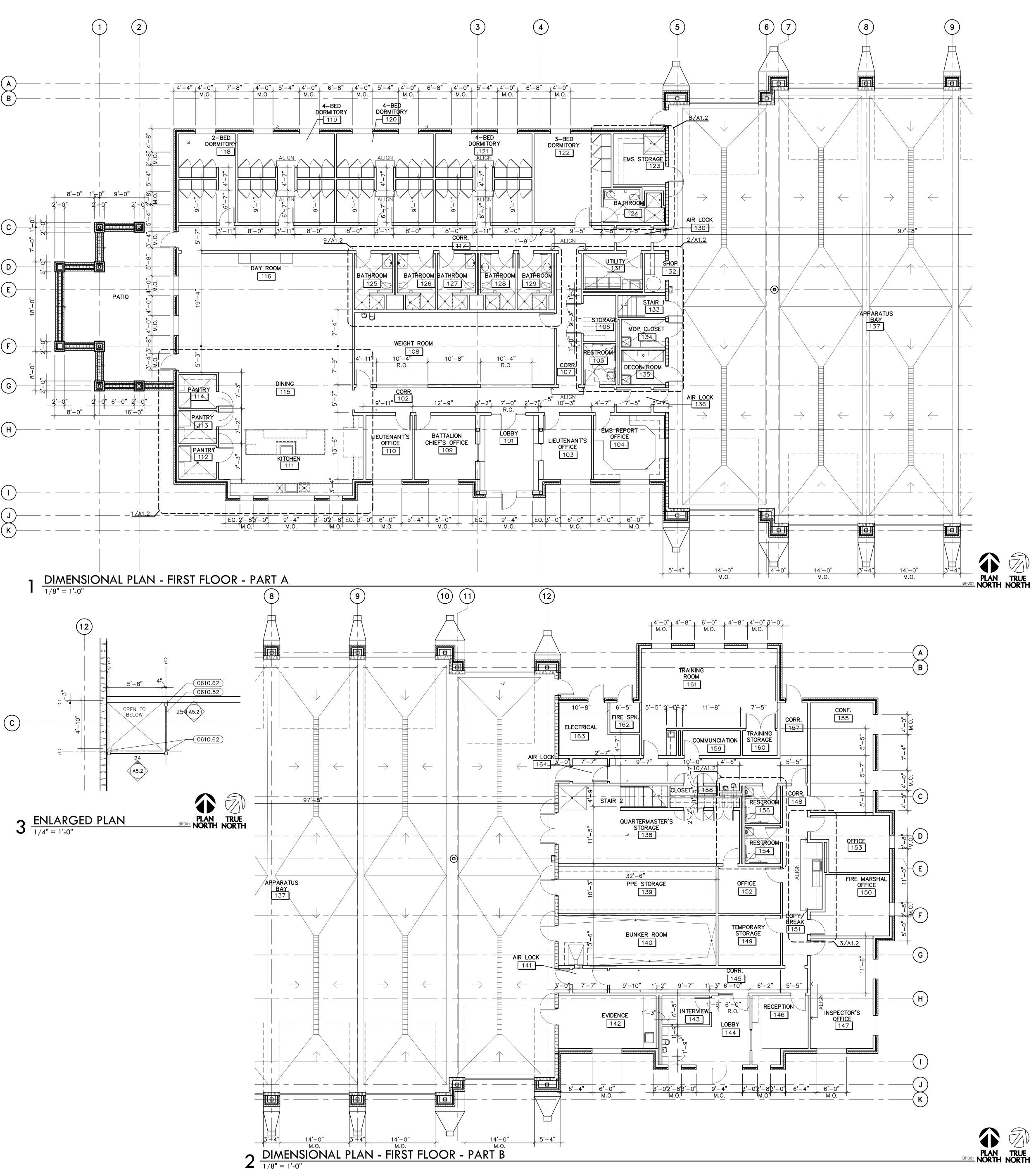




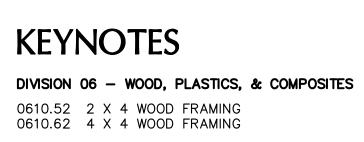
PLAN TRUE NORTH NORTH



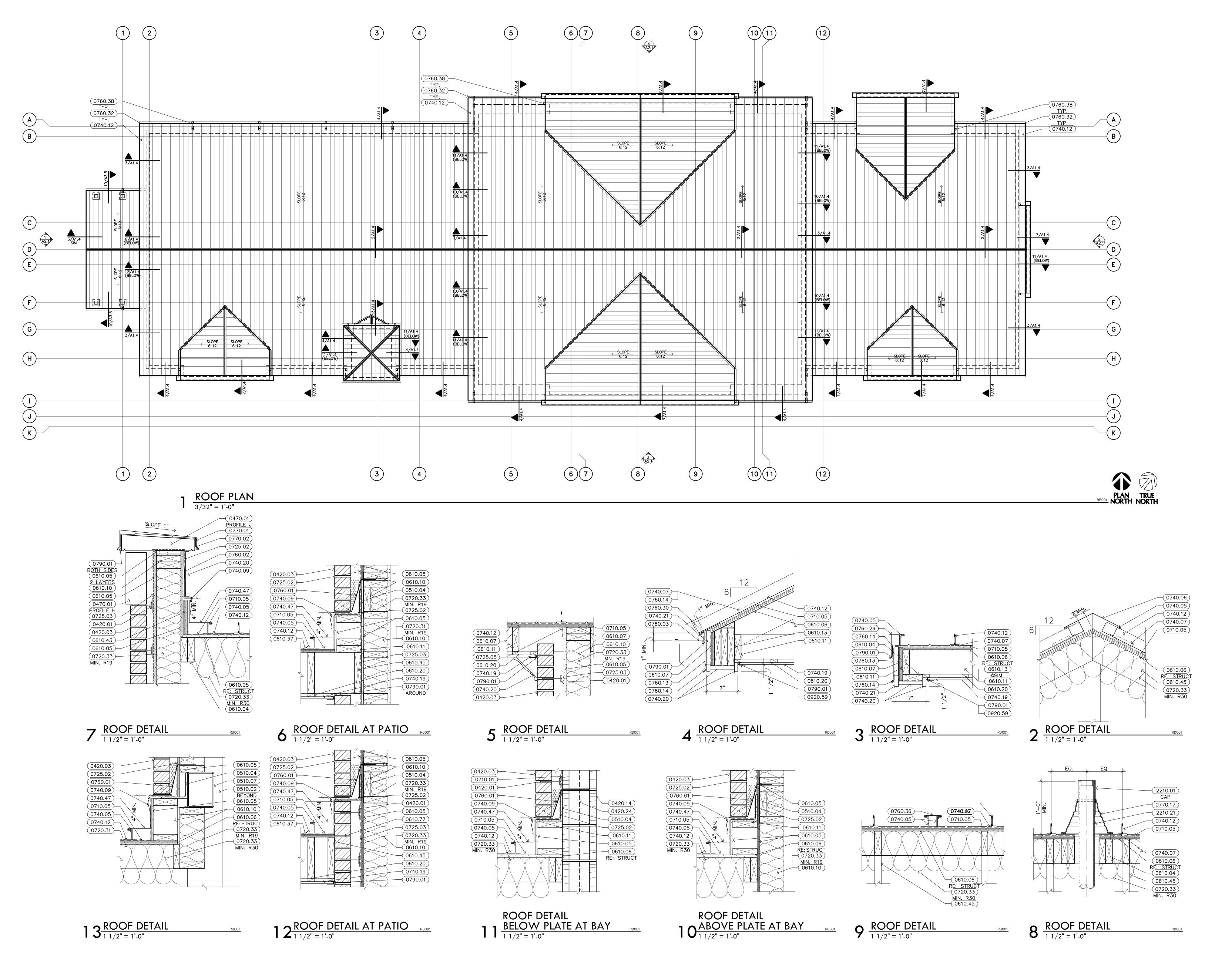






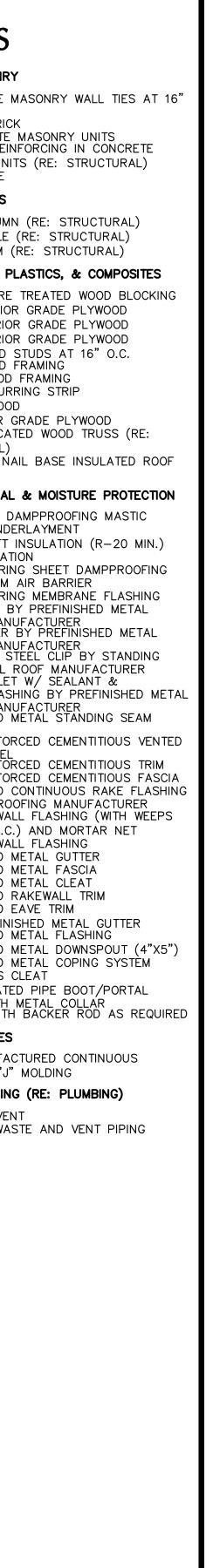


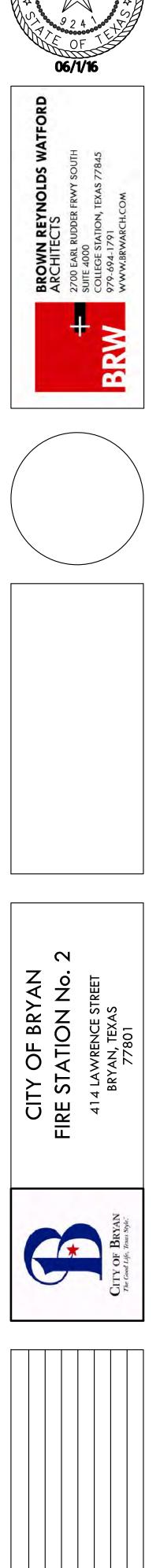


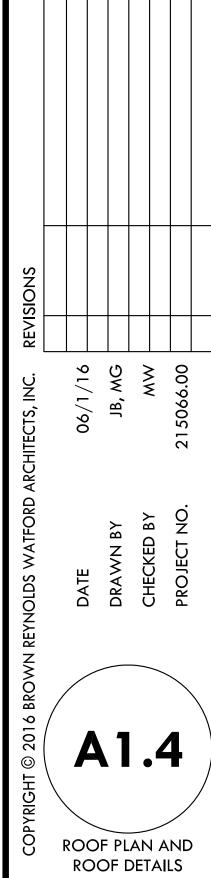


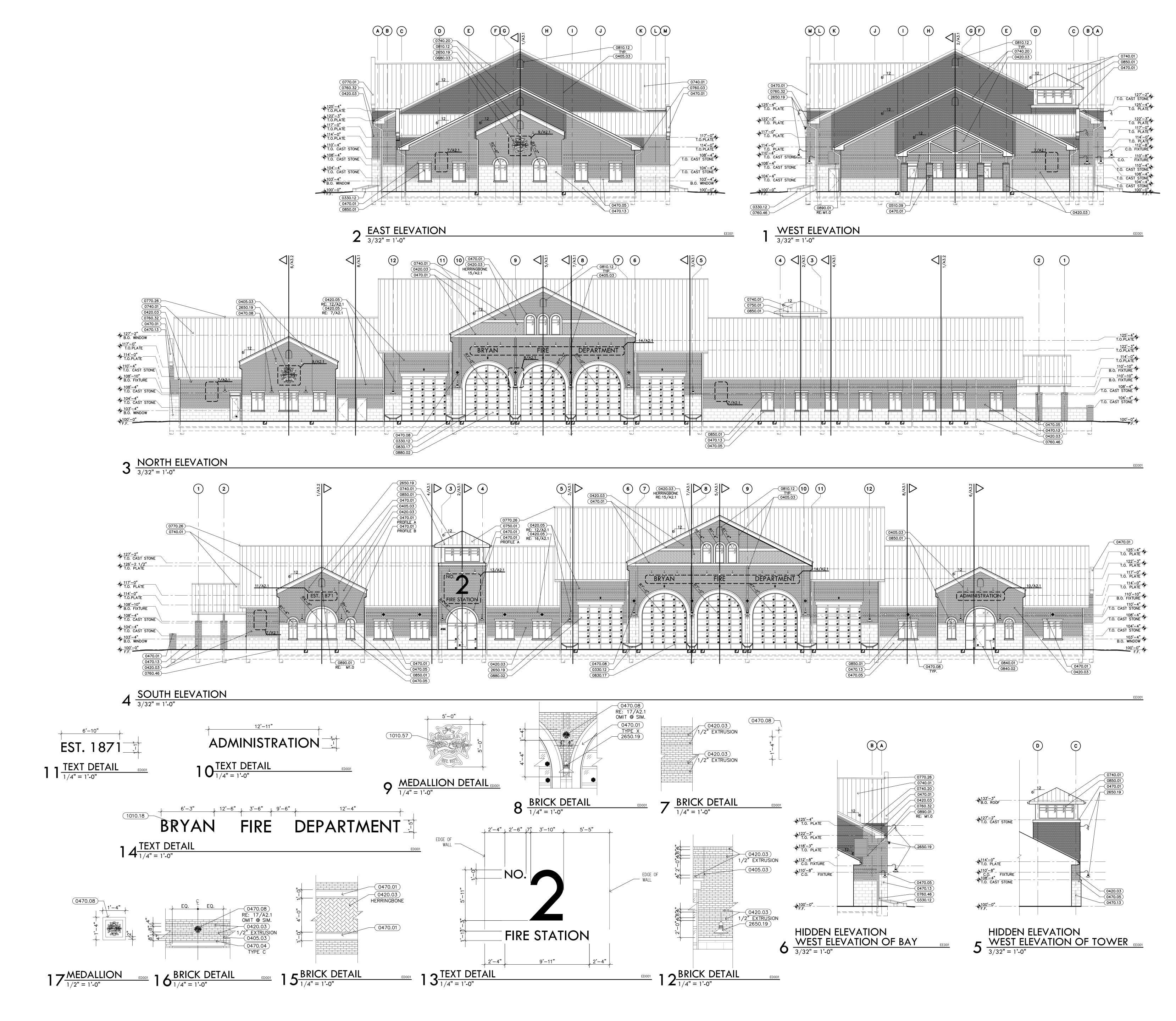
# **KEYNOTES**

DIVISION	04 - MASONRY
0420.01	ADJUSTABLE M/ O.C.E.W.
0420.03 0420.14 0420.24	4" FACE BRICK 8" CONCRETE M VERTICAL REINF MASONRY UNITS
0470.01	CAST STONE
DIVISION	05 – METALS
0510.02 0510.04 0510.07	STEEL COLUMN STEEL ANGLE ( STEEL BEAM (R
DIVISION	06 - WOOD, PL
0610.04 0610.05 0610.06 0610.07 0610.10 0610.13 0610.20 0610.37 0610.43 0610.45	2X PRESSURE 1/2" EXTERIOR 5/8" EXTERIOR 3/4" EXTERIOR 2 X 6 WOOD S 2 X 6 WOOD F 2 X 10 WOOD F 1X WOOD FURRE 5/8" PLYWOOD 1" EXTERIOR GF PRE-FABRICATE STRUCTURAL) COMPOSITE NAI SHEATHING
	07 – THERMAL
0710.01 0710.05 0720.31 0720.33 0725.02 0725.03 0725.05 0740.05 0740.05 0740.07 0740.09 0740.12 0740.12 0740.19 0740.20 0740.21 0740.21 0740.21 0740.21 0740.21 0740.21 0740.21 0740.21 0760.01 0760.02 0760.03 0760.13 0760.13 0760.14 0760.29 0760.30 0760.32 0760.36 0760.38 0770.01 0770.02 0770.17 0790.01	BITUMINOUS DA ROOFING UNDER 5 1/2" BATT IN BATT INSULATIO SELF-ADHERING PLASTIC FILM A SELF-ADHERING Z-CLOSURE BY ROOFING MANUF RIDGE COVER B ROOFING MANUF CONCEALED STE SEAM METAL REGLET COUNTERFLASHI ROOFING MANUF PREFINISHED ME ROOFING FIBER REINFORC SOFFIT PANEL FIBER REINFORC FIBER REINFORC SOFFIT PANEL FIBER REINFORC FIBER REINFORC FIBER REINFORC FIBER REINFORC FIBER REINFORC FIBER REINFORC FIBER REINFORC PREFINISHED ME PREFINISHED
	09 — FINISHES
0920.59	PRE-MANUFACT ALUMINUM "J"
DIVISION	22 - PLUMBING
2210.01 2210.21	PLUMBING VENT SANITARY WAST





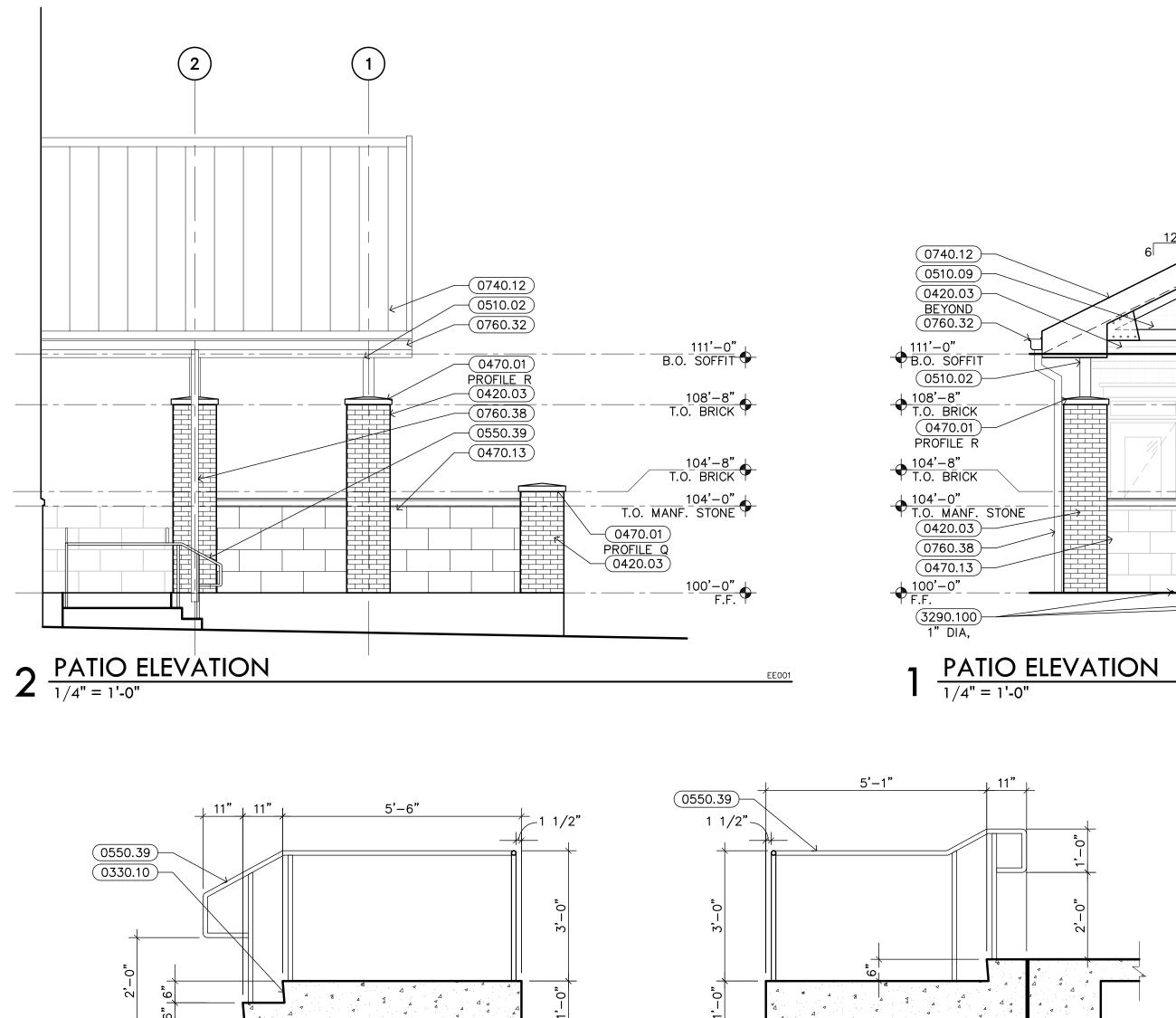




<ul> <li>DIVISION 0.3 - CONCRETE</li> <li>DIVISION 0.3 - CONCRETE</li> <li>DIVISION 0.4 - MASONRY</li> <li>DIVISION 0.5 - MERCE</li> <li>DIVISION 0.4 CAST STONE MEDALLION</li> <li>DIVISION 0.5 - METAL</li> <li>PREFINISHED METAL ROOFING SYSTEM</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 0.5 - PREFINISHED METAL GUTTER</li> <li>DIVISION 0.5 - OPENINGSE</li> <li>DIVISION 0.5 - OPENINSED</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 0.5 - METAL</li> <li>DIVISION 1.5 - METAL MINUM MUDOVER</li> <li>DIVISION 1.5 - METAL MINUM MUDOVER</li> <li>DIVISION 1.5 - METAL METAL</li> <li>DIVISION 1.5 - METAL MUNINUM MUDOVER</li> <li>DIVISION 1.5 - METAL METAL</li> <li>DIVISION 1.5 - METAL MUNINUM MUDOVER</li> <li>DIVISION 1.5 - METAL METAL</li> <li>DIV</li></ul>	ACHITECTS ACHITECTS
	Image: Distribution of the sector of the
FACCADE INFORMATION         SOUTH FACADE:         TOTAL SQ FT:       5,610 SF         TOTAL STONE SQ FT:       2,876 SF         NORTH FACADE:       5,222 SF         TOTAL BRICK SQ FT:       2,876 SF         NORTH FACADE:       5,222 SF         TOTAL STONE SQ, FT:       885 SF         TOTAL BRICK SQ FT:       2,728 SF         EAST FACADE:       2,732 SF         TOTAL SQ FT:       2,732 SF         TOTAL SQ FT:       2,725 SF         TOTAL SQ FT:       2,725 SF         TOTAL SQ FT:       2,171 SF         WEST FACADE:       2,725 SF         TOTAL SQ FT:       2,171 SF         TOTAL BRICK SQ FT:       2,171 SF         NORTH SQ FT:       2,171 SF         SOUTH SQ FT:       2,171 SF         SOUTH SQ FT:       2,171 SF         NOTAL BRICK SQ FT:       2,171 SF         SOUTH SQ FT:       2,	COPYRIGHT © 2016 BROWN REYNOLDS WATFORD ARCHITECTS, INC. REVISIONS DATE 06/1/16 DATE 06/1/16 DRAWN BY JB, MG CHECKED BY PROJECT NO. 215066.00
	EXTERIOR ELEVATIONS AND EXTERIOR DETAILS

KEYNOTES         DIMSION 03 - CONCRETE         0330.12       CONCRETE BOLLARD         DIMSION 04 - MASONRY         0405.03       MASONRY EXPANSION 04         0420.03       4" FACE BRICK         0470.04       CAST STONE LINTEL WI         0470.05       CAST STONE SILL WITH         0470.04       CAST STONE METALS         0510.09       STEEL TRUSS (RE: STR         DIMSION 05 - METALS       0680.03         0510.09       STEEL TRUSS (RE: STR         DIMSION 07 - THERMAL & MOISI       0740.01         PREFINISHED METAL RC       6760.32         0740.01       PREFINISHED METAL GU         0760.32       6"X6" PREFINISHED METAL GU         0760.32       6"X6" PREFINISHED METAL CC         0760.46       PREFINISHED METAL GU         0770.26       RIDGE VENT         DIMSION 08 - OPENINGS       0810.17         04005.01       FIXED ALUMINUM STO	SE TH DRIP DRIP N RUCTURAL) & COMPOSITES PALLION TURE PROTECTION POFING SYSTEM MENTITIOUS TRIM NG SYSTEM TAL GUTTER TAL GUTTER TAL GUTTER TAL GUTTER TAL GUTTER TAL GUTTER DPING SYSTEM M LOUVER ONAL DOOR M MPERED JMINUM LOUVER KTERIOR METAL ELECTRICAL)		BROWN REYNOLDS WATFORD		-	979-694-1791 WWW.BRWARCH.COM	
			CITY OF BRYAN	FIRE STATION No. 2	414 LAWRENCE STREET	CITY OF BRYAN The Good Life, Texas Style: 77801	
NORTH FACADE: TOTAL SQ FT: TOTAL STONE SQ. FT:	5,610 SF 880 SF 2,876 SF 5,222 SF 885 SF 2,728 SF 2,728 SF 2,725 SF 449 SF 2,725 SF 449 SF 2,171 SF ET DAMPPROOFING TIONS ARE	COPYRIGHT © 2016 BROWN REYNOLDS WATFORD ARCHITECTS, INC. REVISIONS		DRAWN BY		PROJECT NO. 215066.00	

KEYNOTES         DIMSION 03 - CONCRETE         0330.12       CONCRETE BOLLARD         DIMSION 04 - MASONRY         0405.03       MASONRY EXPANSION 04         0420.03       4" FACE BRICK         0470.04       CAST STONE LINTEL WI         0470.05       CAST STONE SILL WITH         0470.04       CAST STONE METALS         0510.09       STEEL TRUSS (RE: STR         DIMSION 05 - METALS       0680.03         0510.09       STEEL TRUSS (RE: STR         DIMSION 07 - THERMAL & MOISI       0740.01         PREFINISHED METAL RC       6760.32         0740.01       PREFINISHED METAL GU         0760.32       6"X6" PREFINISHED METAL GU         0760.32       6"X6" PREFINISHED METAL CC         0760.46       PREFINISHED METAL GU         0770.26       RIDGE VENT         DIMSION 08 - OPENINGS       0810.17         04005.01       FIXED ALUMINUM STO	SE TH DRIP DRIP N RUCTURAL) & COMPOSITES PALLION TURE PROTECTION POFING SYSTEM MENTITIOUS TRIM NG SYSTEM TAL GUTTER TAL GUTTER M DOOR M MPERED JMINUM LOUVER (TERIOR METAL ELECTRICAL)		BROWN REYNOLDS WATFORD		-	979-694-1791 WWW.BRWARCH.COM	
			CITY OF BRYAN	FIRE STATION No. 2	414 LAWRENCE STREET	CITY OF BRYAN The Good Life, Texas Style: 77801	
NORTH FACADE: TOTAL SQ FT: TOTAL STONE SQ. FT:	5,610 SF 880 SF 2,876 SF 5,222 SF 885 SF 2,728 SF 2,728 SF 2,725 SF 449 SF 2,725 SF 449 SF 2,171 SF ET DAMPPROOFING TIONS ARE	COPYRIGHT © 2016 BROWN REYNOLDS WATFORD ARCHITECTS, INC. REVISIONS		DRAWN BY		PROJECT NO. 215066.00	



EE001

**5**  $\frac{\text{STAIR SECTION}}{1/2'' = 1'-0''}$ 

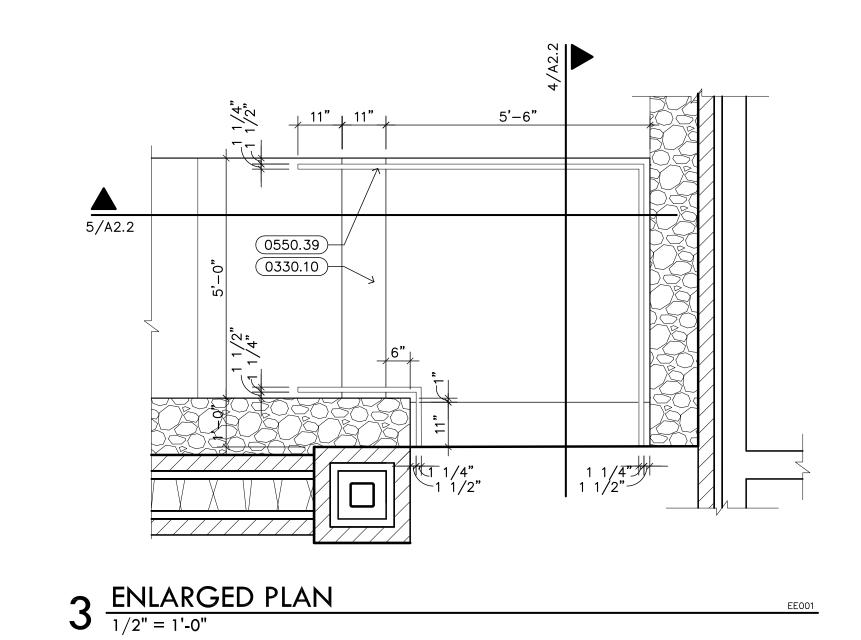
+ +

4 STAIR SECTION  $\frac{1}{2" = 1' - 0"}$ 

## **KEYNOTES**

				DIVISION 03 - CONCRETE
				0330.10 CONCRETE STAIR
				DIVISION 04 - MASONRY
				0420.03 4" FACE BRICK 0470.01 CAST STONE 0470.13 MANUFACTURED S
				DIVISION 05 - METALS
6			<b>]</b> 6	0510.02 STEEL COLUMN (F 0510.09 STEEL TRUSS (RE 0550.39 1 1/4" DIAMETER HANDRAIL (3'–0"
				DIVISION 07 - THERMAL & I
				0740.12 PREFINISHED MET
				ROOFING 0760.32 6"X6" PREFINISHE 0760.38 PREFINISHED MET
				DIVISION 32 - EXTERIOR IMF
				3290.100 PVC DRAIN
	F			

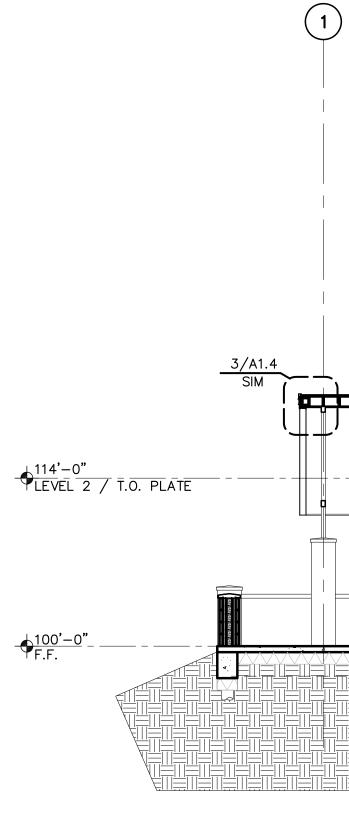
EE001



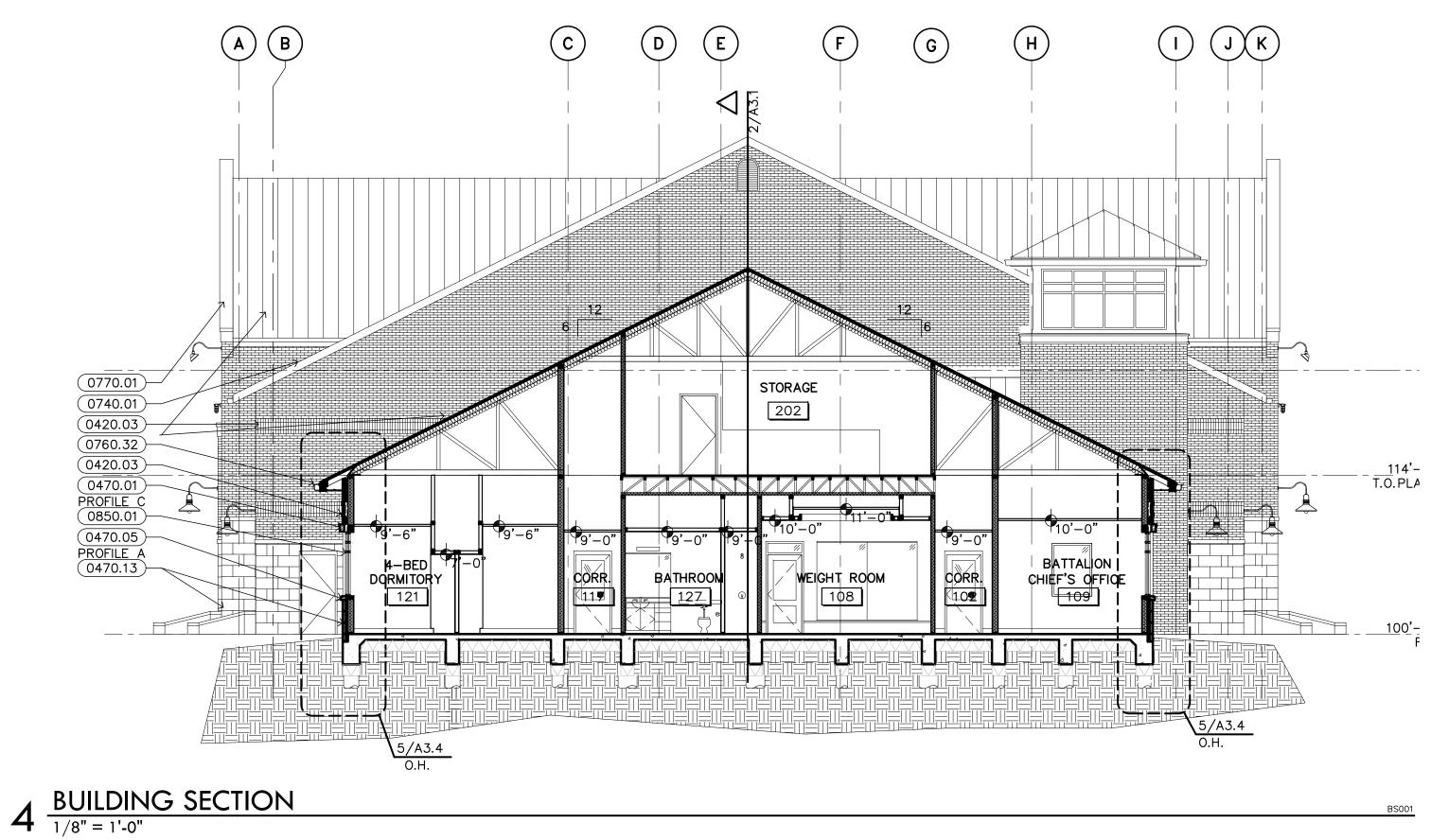
0420.03 4" FACE BRICK 0470.01 CAST STONE 0470.13 MANUFACTURED STONE

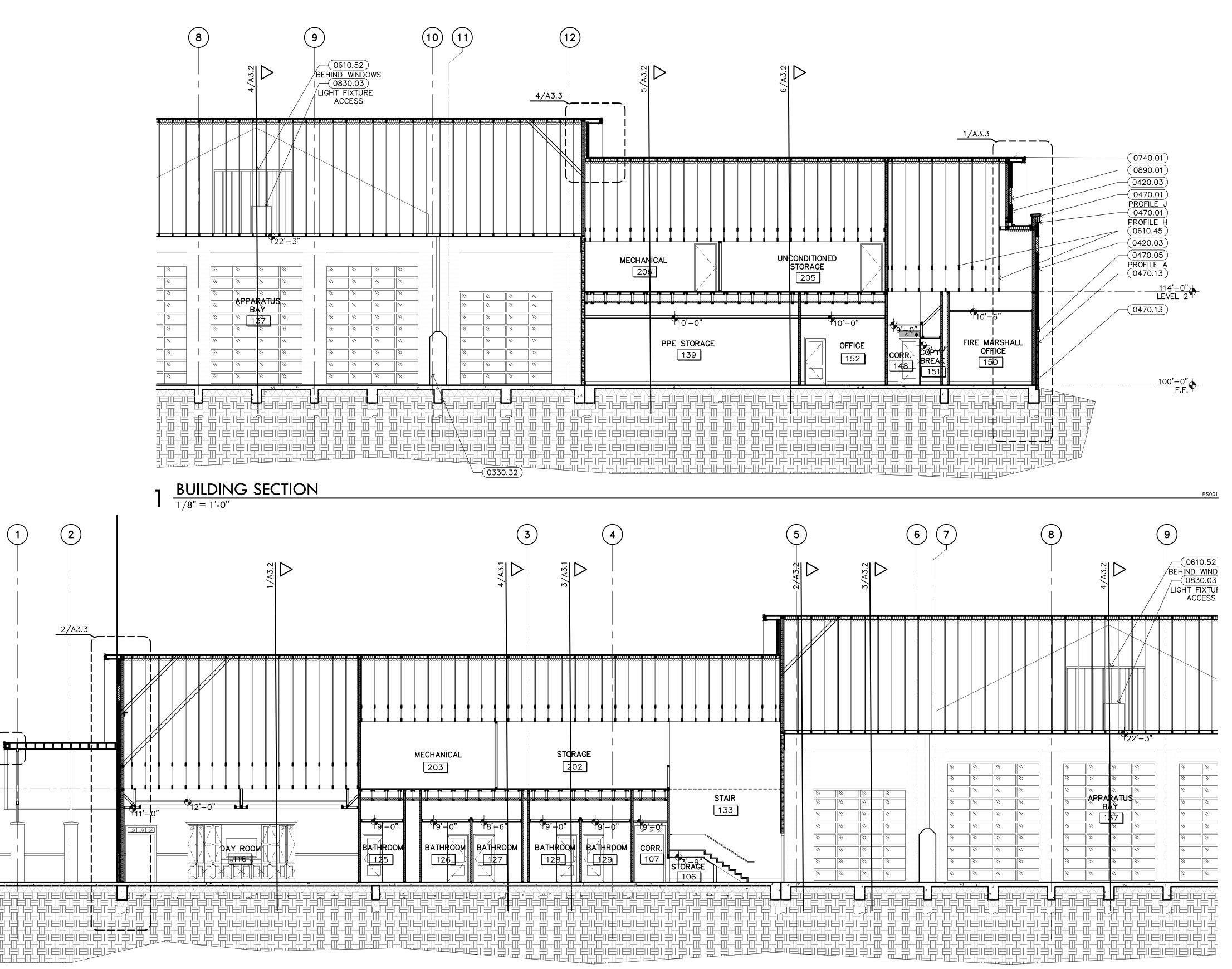
0510.02 STEEL COLUMN (RE: STRUCTURAL) 0510.09 STEEL TRUSS (RE: STRUCTURAL) 0550.39 1 1/4" DIAMETER STANDARD STEEL PIPE HANDRAIL (3'-0" HIGH U.N.O.) DIVISION 07 - THERMAL & MOISTURE PROTECTION 0740.12 PREFINISHED METAL STANDING SEAM ROOFING
0760.32 6"X6" PREFINISHED METAL GUTTER PREFINISHED METAL DOWNSPOUT (4"X5") DIVISION 32 - EXTERIOR IMPROVEMENTS

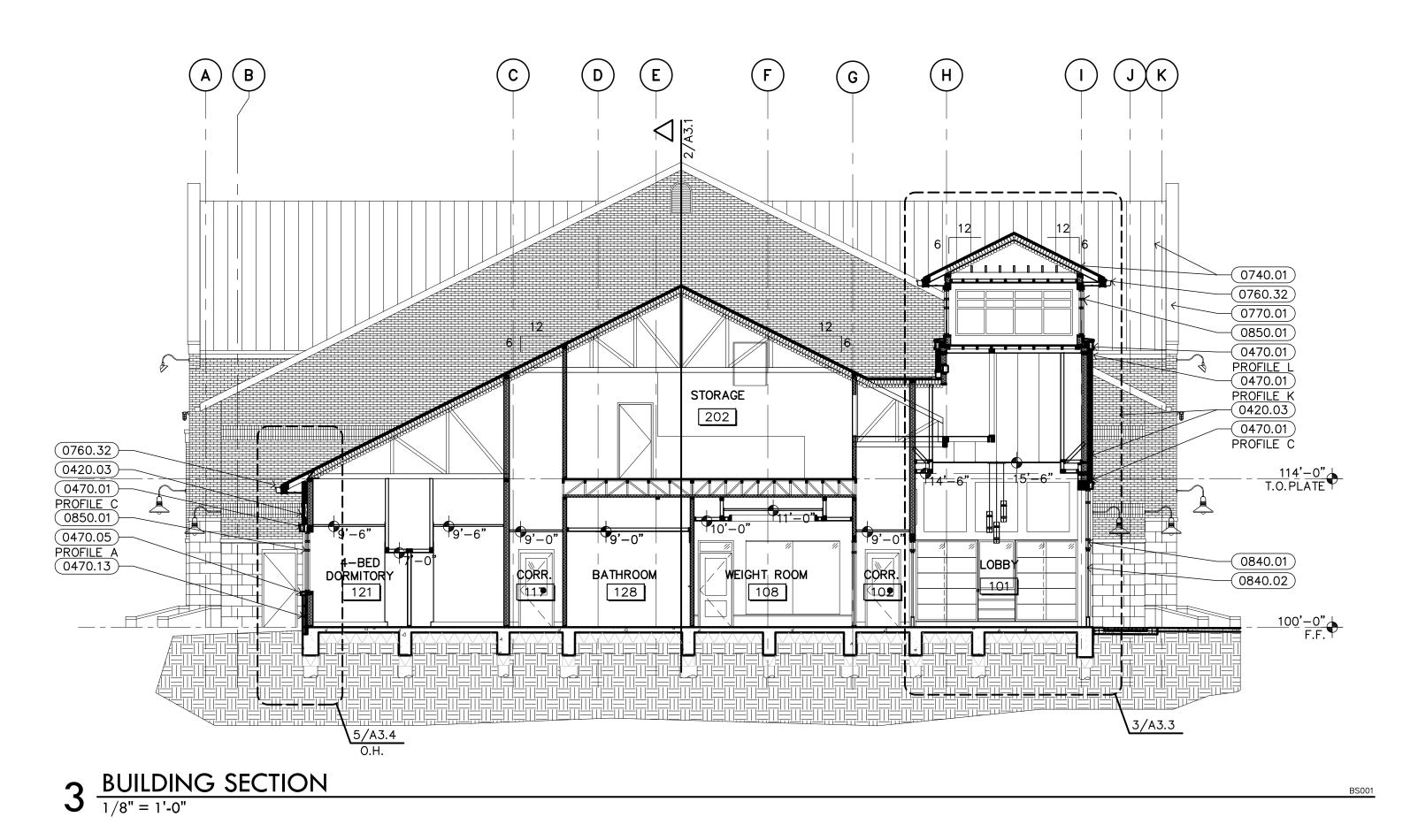












# **KEYNOTES**

DIVISION	03 - CONCRETE
0330.32	EXPOSED CONCI UNIFORM SAND
DIVISION	04 - MASONRY
0420.03 0470.01 0470.05 0470.13	4" FACE BRICK CAST STONE CAST STONE SII MANUFACTURED
DIVISION	06 - WOOD, PLA
0610.45	PRE-FABRICATE STRUCTURAL)
0610.52	2 X 4 WOOD FF
DIVISION	07 - THERMAL
0740.01 0760.32 0770.01	PREFINISHED ME 6"X6" PREFINISI PREFINISHED ME
DIVISION	08 - OPENINGS
0830.03 0840.01 0840.02 0850.01 0890.01	WALL ACCESS F ALUMINUM STOF ALUMINUM STOF FIXED ALUMINUM PREFINISHED FIX

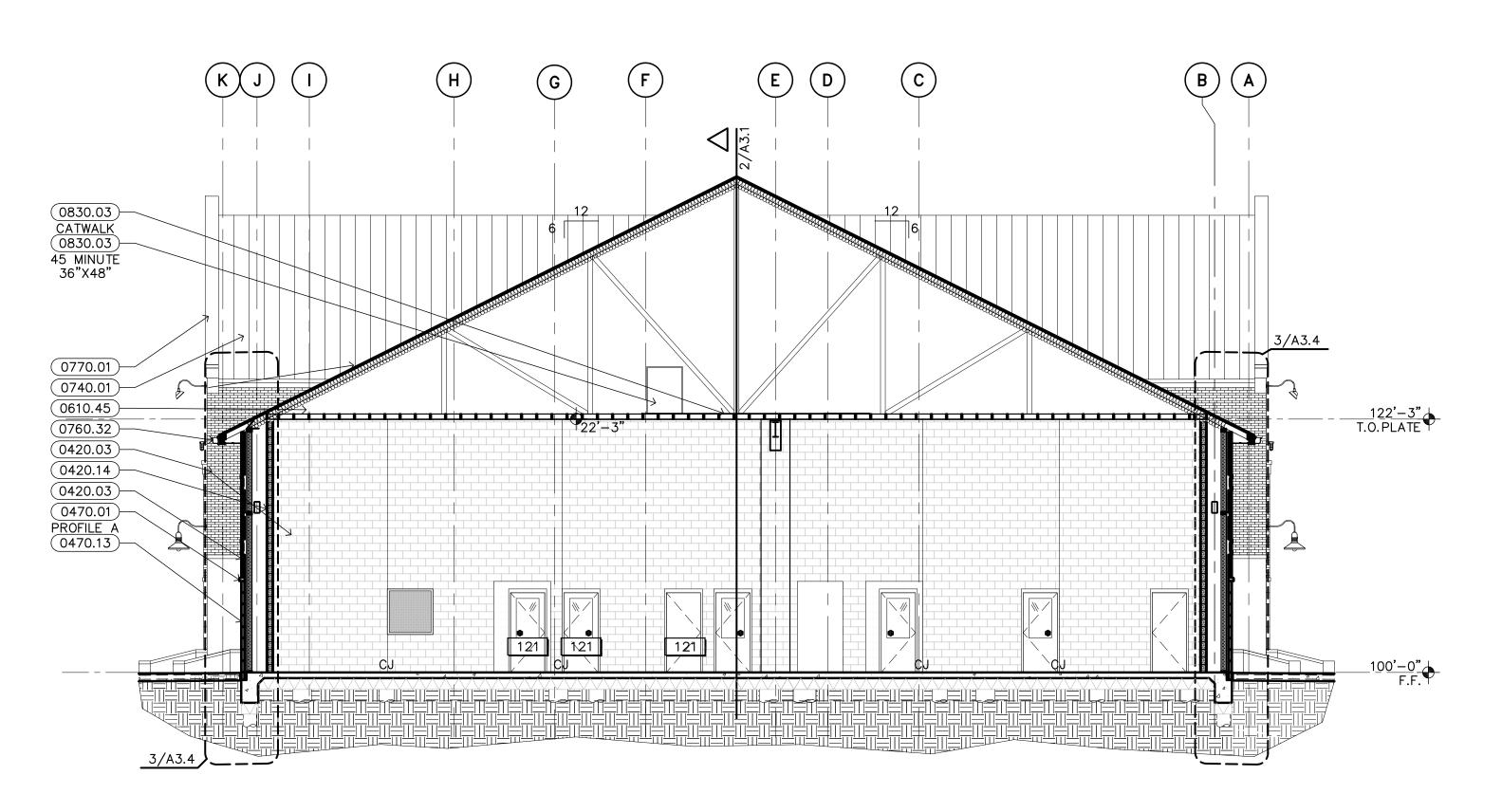
CRETE SURFACES RUBBED TO ) FINISH

SILL WITH DRIP STONE LASTICS, & COMPOSITES TED WOOD TRUSS (RE: FRAMING

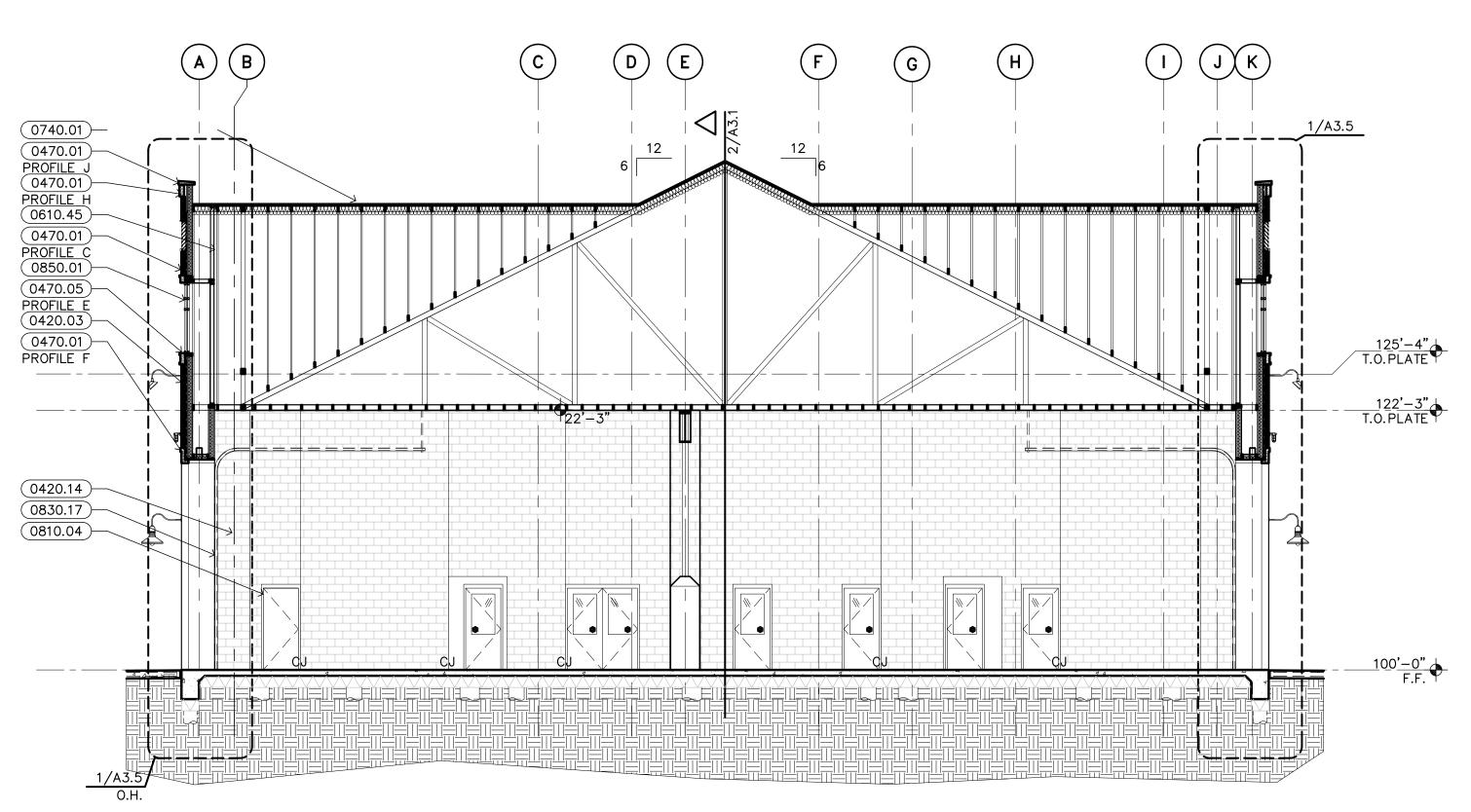
L & MOISTURE PROTECTION METAL ROOFING SYSTEM NISHED METAL GUTTER METAL COPING SYSTEM

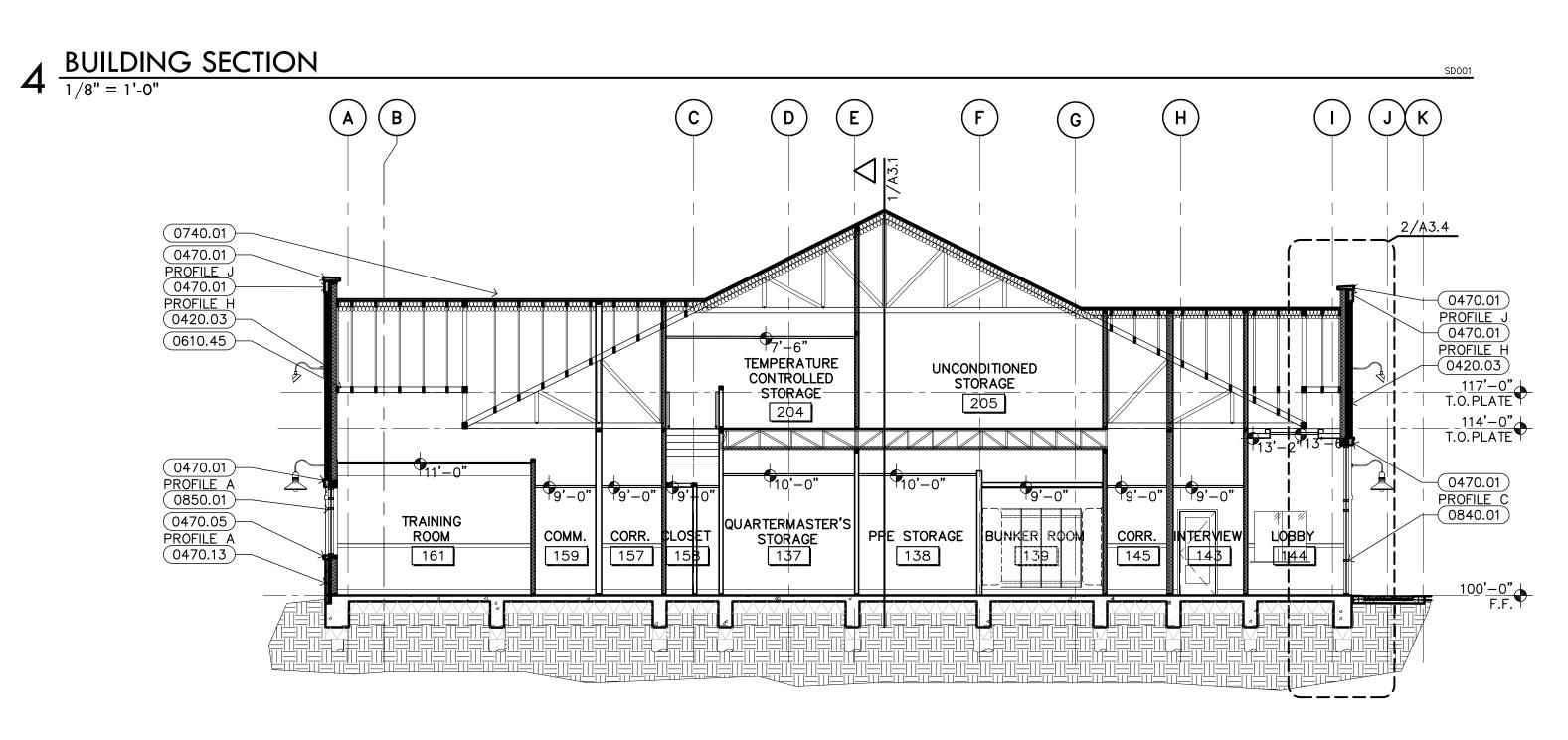
S PANEL TOREFRONT TOREFRONT DOOR NUM WINDOW FIXED ALUMINUM LOUVER (WITH INSECT SCREEN)



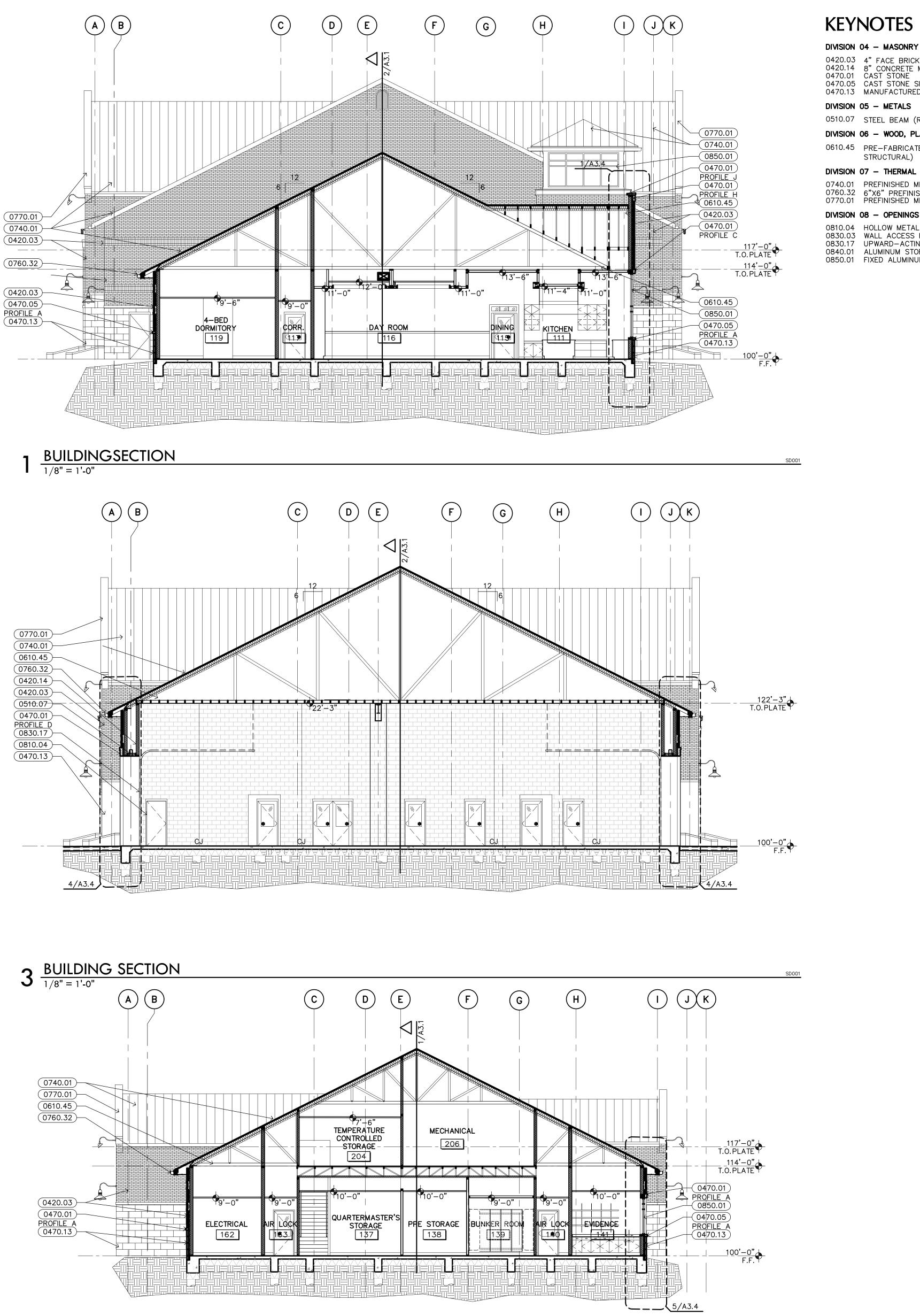




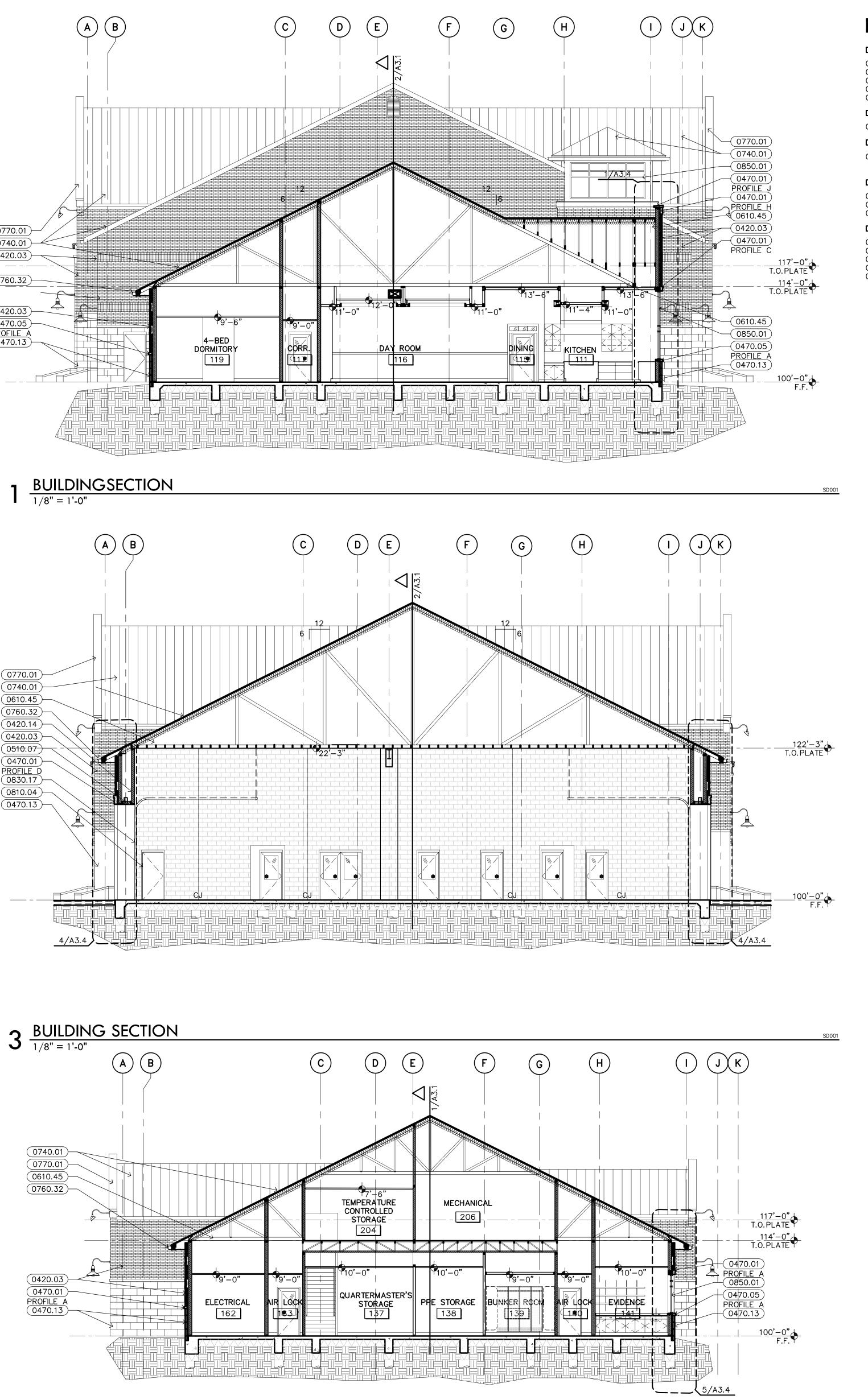


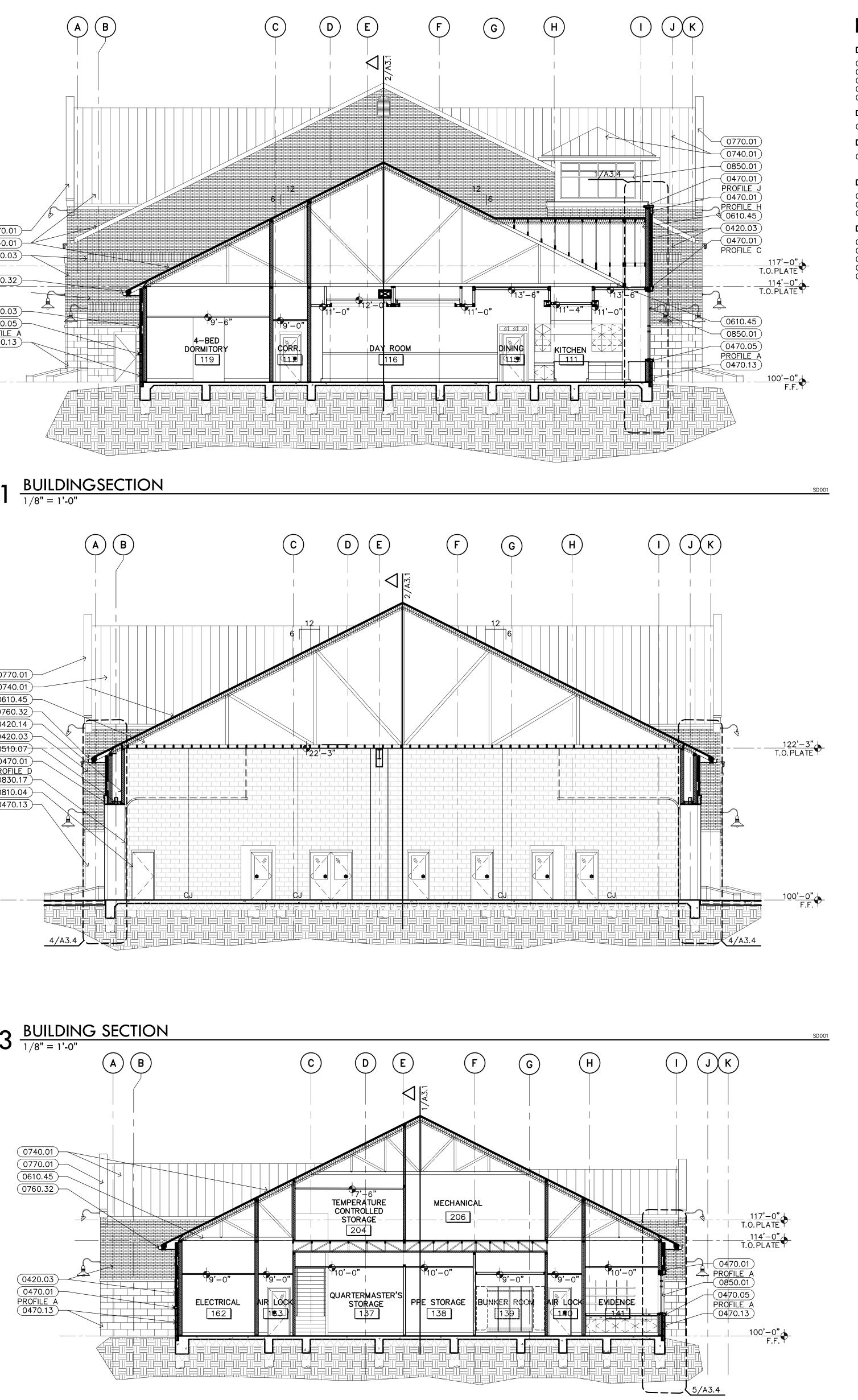


 $<sup>6 \</sup>frac{\text{BUILDING SECTION}}{1/8" = 1'-0"}$ 









 $5 \frac{\text{BUILDING SECTION}}{1/8" = 1'-0"}$ 

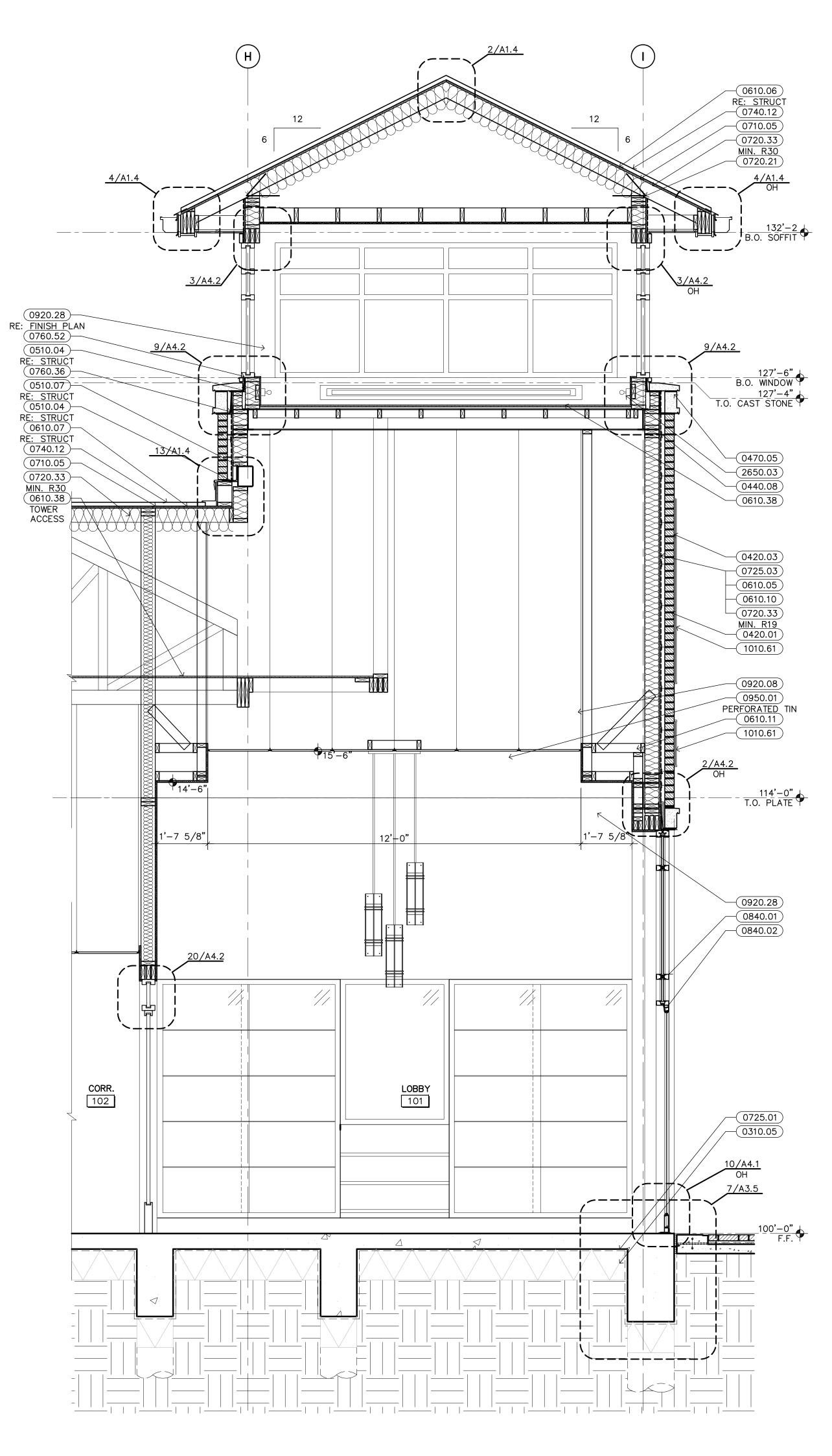
## **KEYNOTES**

0420.03 0420.14 0470.01 0470.05 0470.13	8" CONCRETE MASONRY UNITS CAST STONE CAST STONE SILL WITH DRIP
DIVISION	05 - METALS
0510.07	STEEL BEAM (RE: STRUCTURAL)
DIVISION	06 - WOOD, PLASTICS, & COMPOSITES
0610.45	PRE-FABRICATED WOOD TRUSS (RE: STRUCTURAL)
DIVISION	07 - THERMAL & MOISTURE PROTECT
0740.01 0760.32 0770.01	6"X6" PREFINISHED METAL GUTTER
DIVISION	08 - OPENINGS
0810.04 0830.03 0830.17 0840.01 0850.01	WALL ACCESS PANEL UPWARD-ACTING SECTIONAL DOOR ALUMINUM STOREFRONT

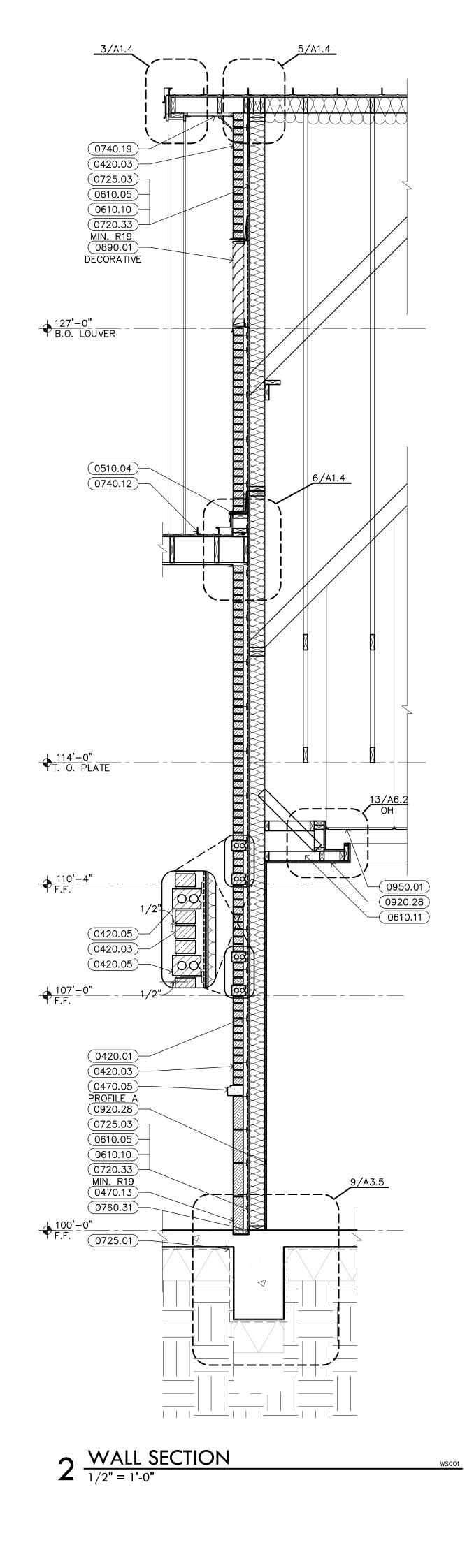
(RE: STRUCTURAL) LASTICS, & COMPOSITES TED WOOD TRUSS (RE:

& MOISTURE PROTECTION METAL ROOFING SYSTEM SHED METAL GUTTER METAL COPING SYSTEM

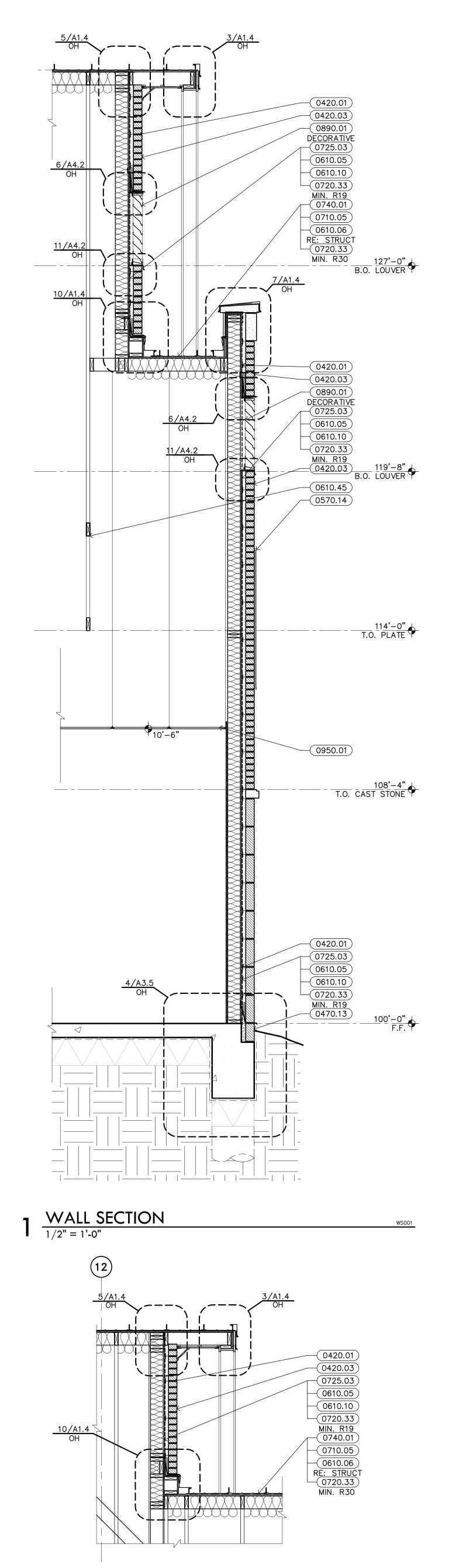




3  $\frac{\text{WALL SECTION}}{1/2" = 1'-0"}$ 



WS001



KEY	NOTES
DIVISION	03 – CONCRETE
0310.05	VOID FORMS
DIVISION	04 - MASONRY
0420.01	ADJUSTABLE MASONRY WALL TIES A
0420.03 0420.05 0440.08	BRICK ROWLOCK COURSE ADJUSTABLE MASONRY WALL TIES A
0470.05 0470.13	O.C.E.W. CAST STONE SILL WITH DRIP MANUFACTURED STONE
DIVISION	05 - METALS
0510.04 0510.07 0570.14	
DIVISION	06 - WOOD, PLASTICS, & COMPOSITE
0610.05 0610.06 0610.07 0610.10 0610.11 0610.38 0610.45	1/2" EXTERIOR GRADE PLYWOOD 5/8" EXTERIOR GRADE PLYWOOD 3/4" EXTERIOR GRADE PLYWOOD 2 X 6 WOOD STUDS AT 16" O.C. 2 X 6 WOOD FRAMING 3/4" PLYWOOD PRE-FABRICATED WOOD TRUSS (RE: STRUCTURAL)
DIVISION	07 - THERMAL & MOISTURE PROTECT
0710.05 0720.21 0725.01 0725.03 0740.01 0740.12 0740.19 0760.31 0760.36 0760.52	INSULATION BAFFLE BATT INSULATION UNDERSLAB VAPOR BARRIER PLASTIC FILM AIR BARRIER PREFINISHED METAL ROOFING SYSTEM PREFINISHED METAL STANDING SEAM ROOFING FIBER REINFORCED CEMENTITIOUS VEI SOFFIT PANEL SILL SEALER PREFINISHED METAL FLASHING

DIVISION 08 - OPENINGS 0840.01 ALUMINUM STOREFRONT 0840.02 ALUMINUM STOREFRONT DOOR 0890.01 PREFINISHED FIXED ALUMINUM LOUVER (WITH INSECT SCREEN) DIVISION 09 - FINISHES 0920.08 STUD BRACE AT 4'-0" O.C. MAX. 0920.28 5/8" GYPSUM BOARD (TYPE X) 0950.01 SUSPENDED ACOUSTICAL LAY-IN TILE CEILING (2' X 2') DIVISION 10 - SPECIALTIES 1010.61 EXTERIOR METAL SIGNAGE

DIVISION 26 - ELECTRICAL (RE: ELECTRICAL) 2650.03 SURFACE-MOUNTED LIGHT FIXTURE

4 WALL SECTION  $\frac{1}{2" = 1' - 0"}$ 

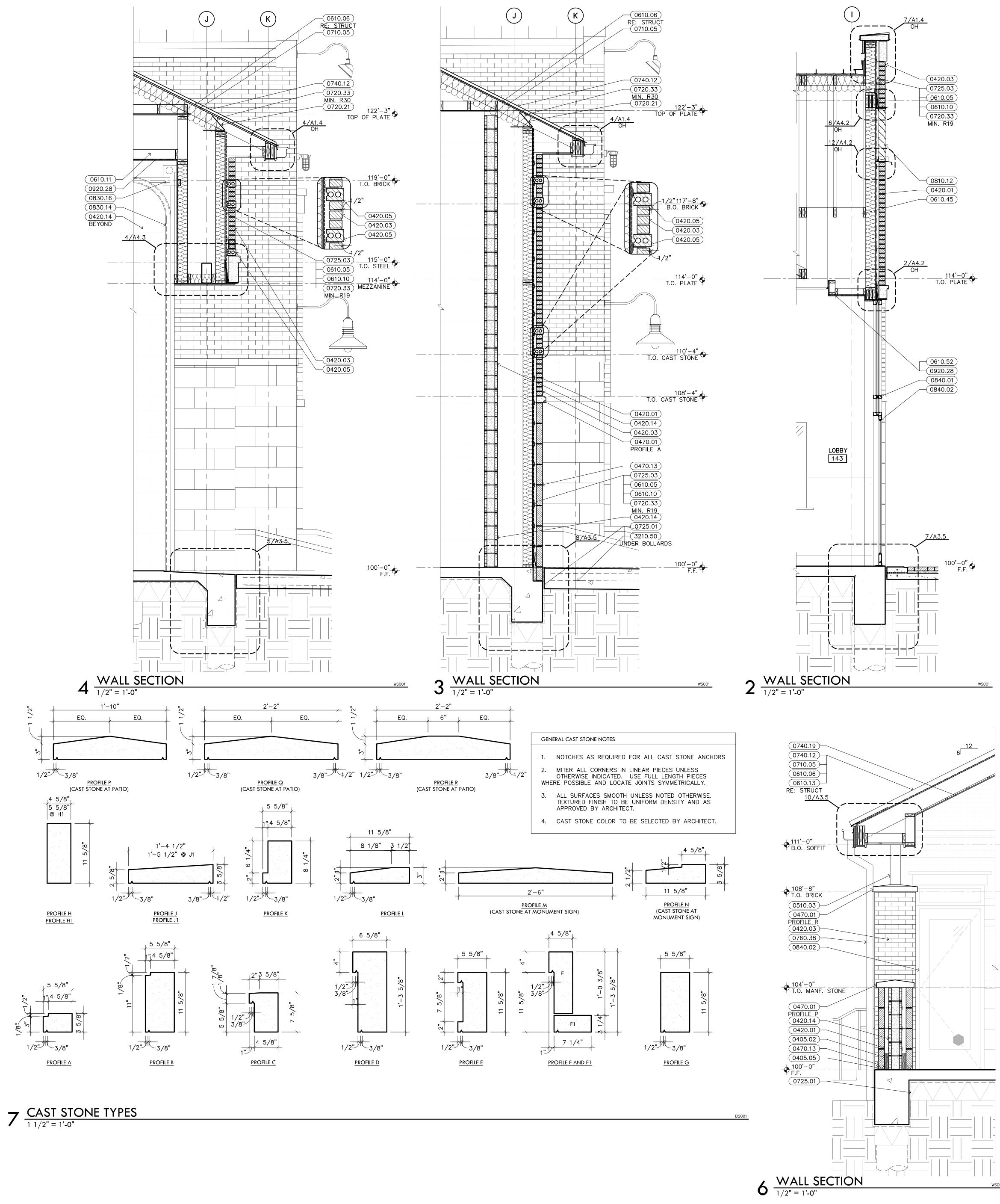
MASONRY WALL TIES AT 16" K COURSE MASONRY WALL TIES AT 16" SILL WITH DRIP STONE (RE: STRUCTURAL) E: STRUCTURAL) ETAL MEDALLION MOUNTING

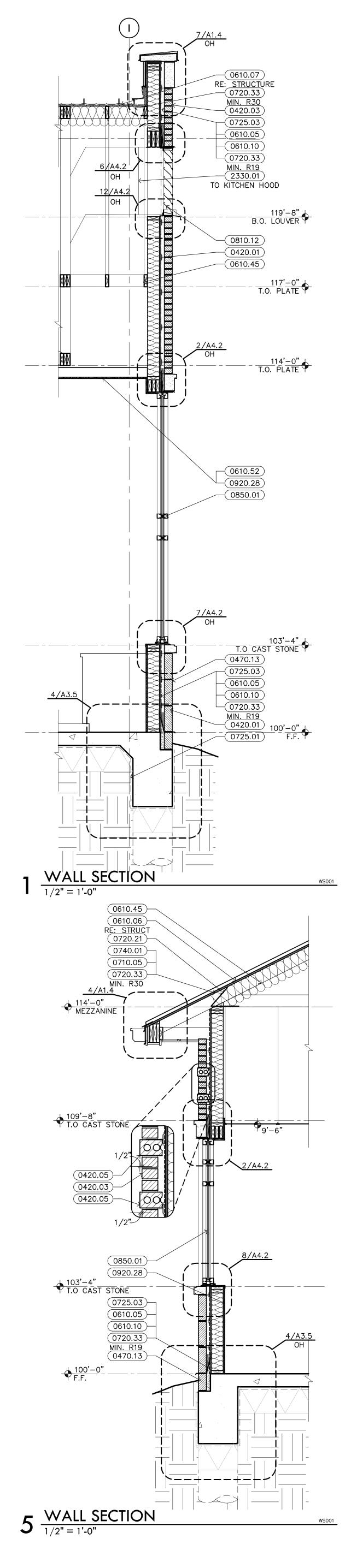
IUFACTURER'S ONS LASTICS, & COMPOSITES GRADE PLYWOOD GRADE PLYWOOD GRADE PLYWOOD STUDS AT 16" O.C. RAMING

L & MOISTURE PROTECTION RLAYMENT FFLE APOR BARRIER

AIR BARRIER METAL ROOFING SYSTEM METAL STANDING SEAM RCED CEMENTITIOUS VENTED

06/1/16 S CHITECTS CHITECTS D0 EARL RUDDER I TE 4000 LILEGE STATION, 1 2-694-1791 BRC ARC 2700 2700 SUITE COLLI 979-6 BRW + 2 CITY OF BRYAN FIRE STATION No. 2 414 LAWRENCE STREET BRYAN, TEXAS 77801 06/1/16 JB, MG MW 15066.00 CTS, 3 A3.3 WALL SECTIONS



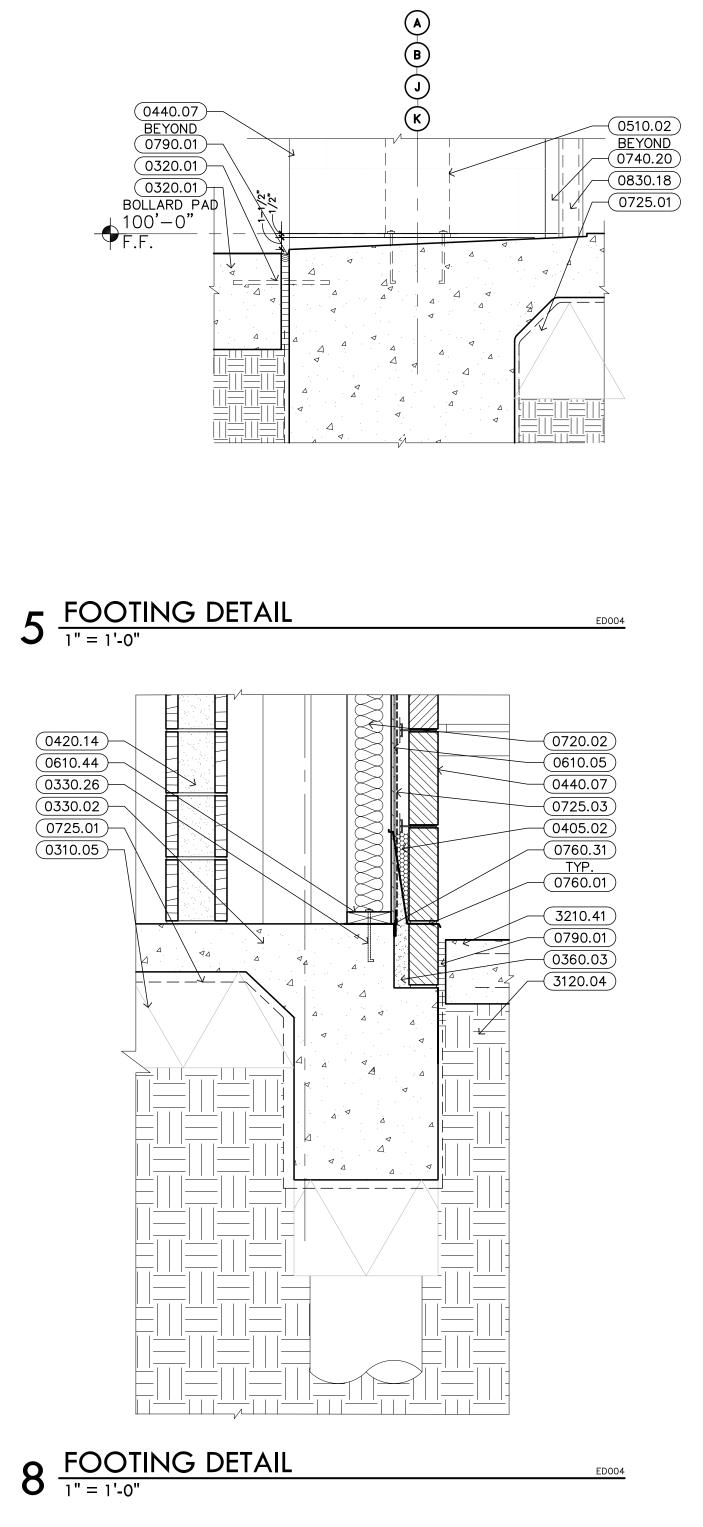


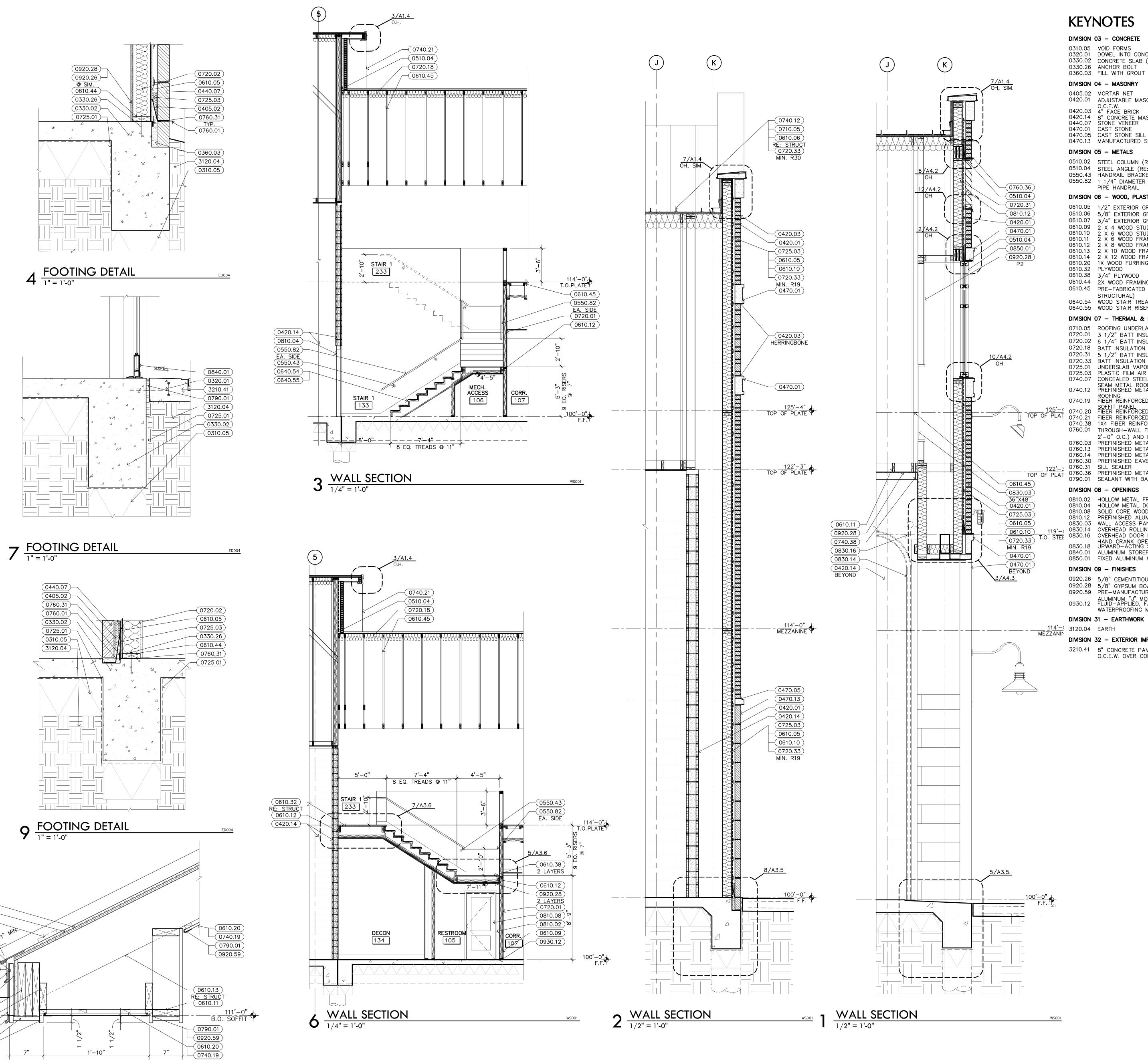
# **KEYNOTES**

DIVISION	04 - MASONRY
0405.02 0405.05 0420.01	MORTAR NET CELL VENT WEEF ADJUSTABLE MA
	O.C.E.W. 4" FACE BRICK
0420.03 0420.05	BRICK ROWLOCK
0420.14 0470.01	8" CONCRETE M CAST STONE
0470.13	MANUFACTURED
	05 – METALS
0510.03	STEEL TUBE COL
DIVISION	· · · · · · · · · · · · · · · · · · ·
0610.05 0610.06	1/2"EXTERIOR 5/8"EXTERIOR
0610.07 0610.10	3/4" EXTERIOR
0610.11	2 X 6 WOOD ST 2 X 6 WOOD FR
0610.13 0610.45	2 X 10 WOOD F PRE-FABRICATE
0610.52	STRUCTURAL) 2 X 4 WOOD FR
DIVISION	07 – THERMAL &
0710.05	ROOFING UNDER
0720.21 0720.33	INSULATION BAF
0725.01 0725.03	UNDERSLAB VAF PLASTIC FILM AI
0740.01 0740.12	PREFINISHED ME PREFINISHED ME
0740.19	ROOFING FIBER REINFORC
0760.38	SOFFIT PANEL PREFINISHED ME
DIVISION	08 - OPENINGS
0810.12	PREFINISHED AL
0830.16	OVERHEAD ROLL OVERHEAD DOOF
0840.01	HAND CRANK OF ALUMINUM STOR
0840.02 0850.01	ALUMINUM STOR FIXED ALUMINUM
DIVISION	09 — FINISHES
0920.28	5/8" GYPSUM B
DIVISION AIR-CON	23 – HEATING, V DITIONING (HVAC)
2330.01	HVAC DUCTWOR
DIVISION	32 - EXTERIOR I
3210.50	12" CONCRETE F O.C.E.W. OVER C

EP BAFFLE MASONRY WALL TIES AT 16" < COURSE ASONRY UNITS STONE DLUMN (RE: STRUCTURAL) ASTICS, & COMPOSITES GRADE PLYWOOD GRADE PLYWOOD GRADE PLYWOOD STUDS AT 16" O.C. RAMING FRAMING TED WOOD TRUSS (RE: RAMING & MOISTURE PROTECTION RLAYMENT FFLE )N POR BARRIER AR BARRIER ETAL ROOFING SYSTEM ETAL STANDING SEAM CED CEMENTITIOUS VENTED ETAL DOWNSPOUT (4"X5") LUMINUM LOUVER LING DOOR OR MOTOR WITH EMERGENCY OPERATION AND DISCONNECT REFRONT DOOR M WINDOW BOARD (TYPE X) VENTILATING, & (RE: MECHANICAL) IMPROVEMENTS PAVING WITH #3'S @ 1'-0" COMPACTED SUBGRADE







**1 O ROOF DETAIL** 

0610.07

(0710.05)

0740.07

0760.14)-

(0760.30)-

(0740.21)-(0760.03)-

0790.01 0610.07 0610.14 0610.14 0610.11 0760.13 0760.14 0740.20

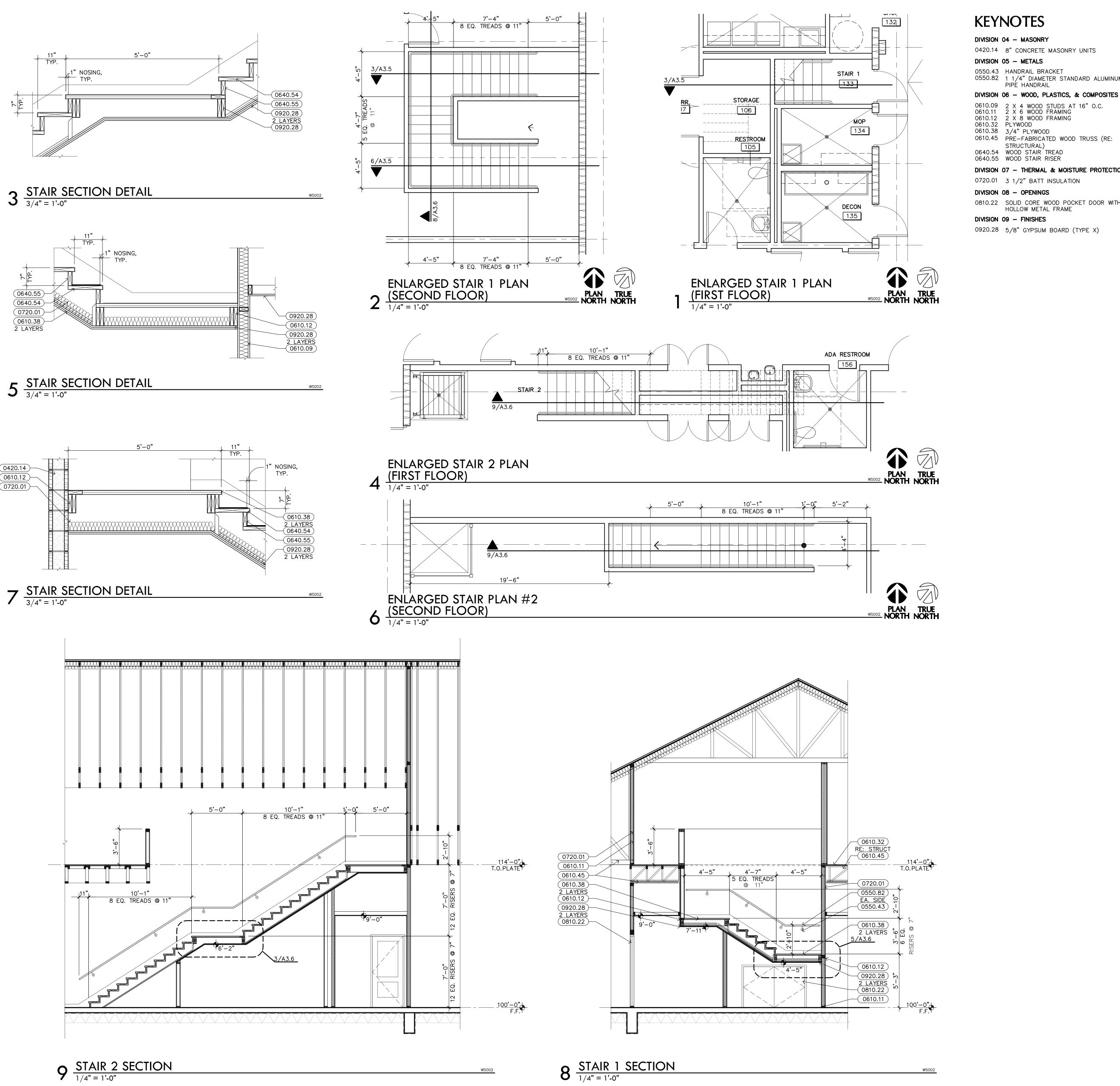
NCRETE SLAB (RE: STRUCTURAL) T	
SONRY WALL TIES AT 16" ASONRY UNITS	
L WITH DRIP STONE	
(RE: STRUCTURAL) RE: STRUCTURAL) KET R STANDARD ALUMINUM	
STICS, & COMPOSITES GRADE PLYWOOD GRADE PLYWOOD GRADE PLYWOOD UDS AT 16" O.C. UDS AT 16" O.C. AMING AMING RAMING RAMING RAMING STRIP	
NG (RE: STRUCTURAL) D WOOD TRUSS (RE: EAD	
ER MOISTURE PROTECTION LAYMENT SULATION SULATION	
SULATION N (R-30 @ ATTIC/CEILING) SULATION (R-20 MIN.) N POR BARRIER R BARRIER	
R BARRIER EL CLIP BY STANDING OOF MANUFACTURER TAL STANDING SEAM ED CEMENTITIOUS VENTED	
ED CEMENTITIOUS TRIM ED CEMENTITIOUS FASCIA FORCED CEMENTITIOUS TRIM FLASHING (WITH WEEPS AT D MORTAR NET TAL GUTTER TAL FASCIA TAL CLEAT	
VE TRIM TAL FLASHING BACKER ROD AS REQUIRED	
FRAME DOOR AND FRAME OD DOOR UMINUM LOUVER ANEL ING DOOR R MOTOR WITH EMERGENCY PERATION AND DISCONNECT S SECTIONAL DOOR TRACK EFRONT	
I WINDOW DUS BACKER BOARD DOARD (TYPE X) URED CONTINUOUS IOLDING FABRIC-REINFORCED MEMBRANE	
<b>MPROVEMENTS</b> AVING WITH #4'S @ 1'0" COMPACTED SUBGRADE	



<u>برا</u>ح

<u>1</u>√P 0640.55 0640.54 0720.01 0610.38 2 LAYERS

0420.14 0610.12 0720.01

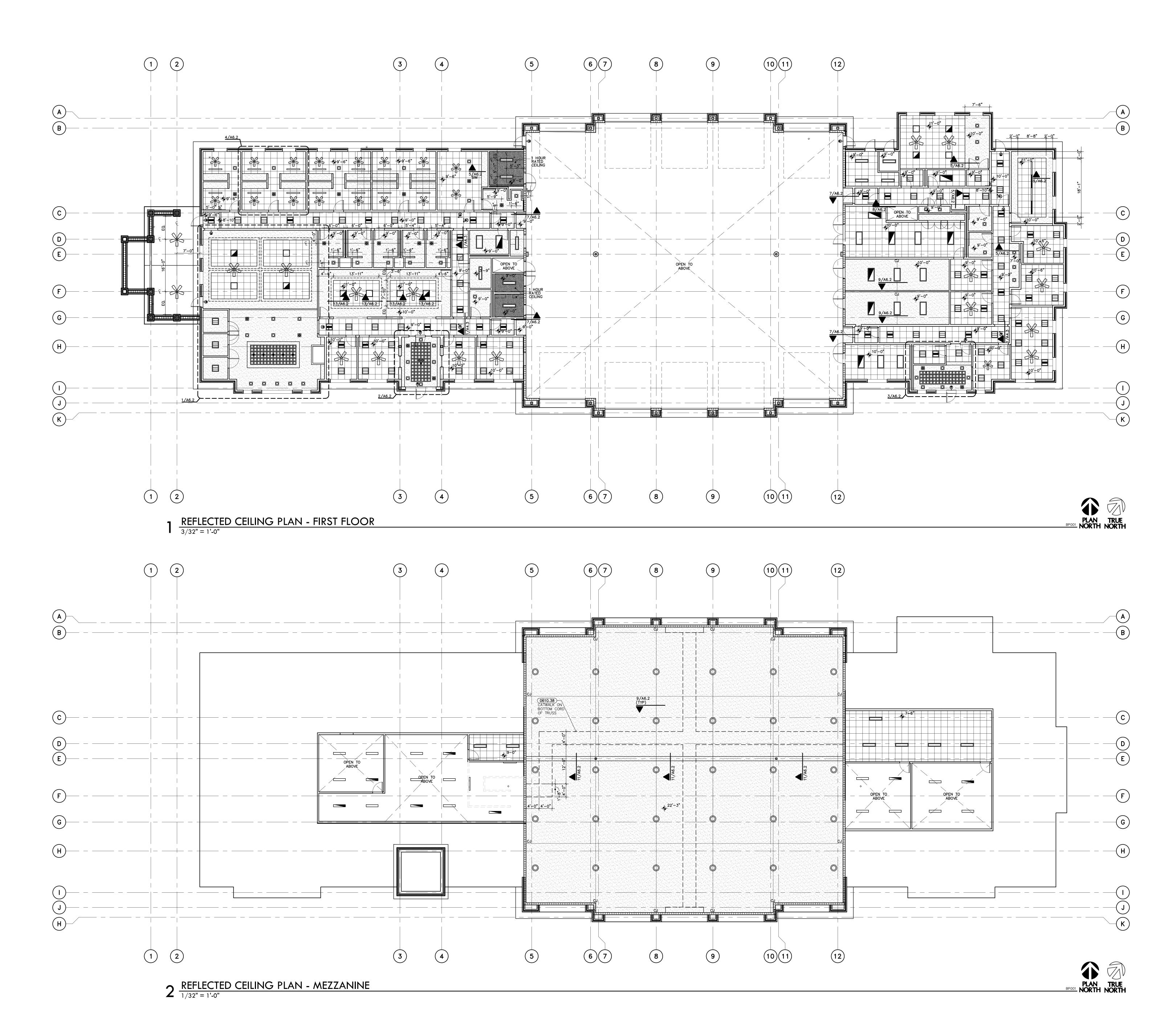


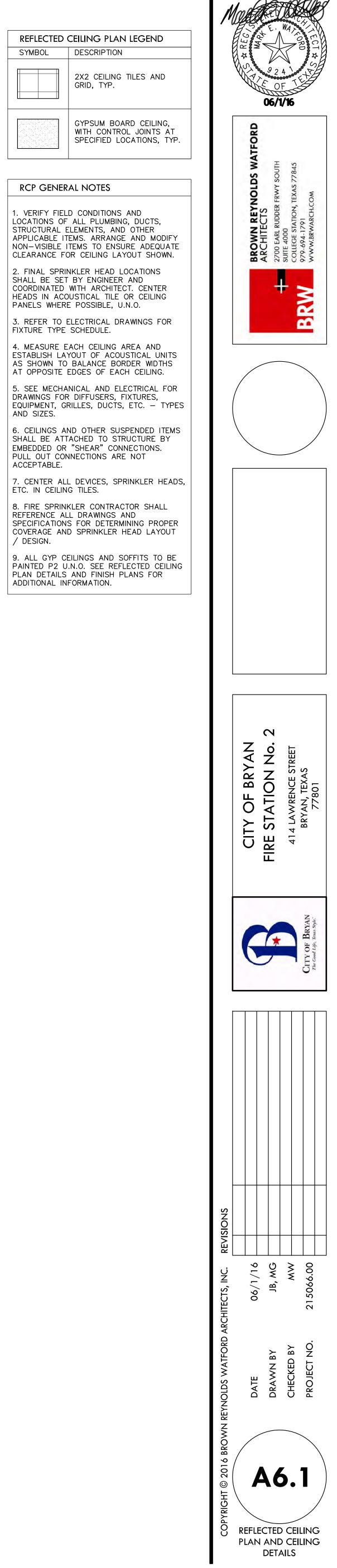
0550.43 HANDRAIL BRACKET 0550.82 1 1/4" DIAMETER STANDARD ALUMINUM PIPE HANDRAIL DIVISION 06 - WOOD, PLASTICS, & COMPOSITES

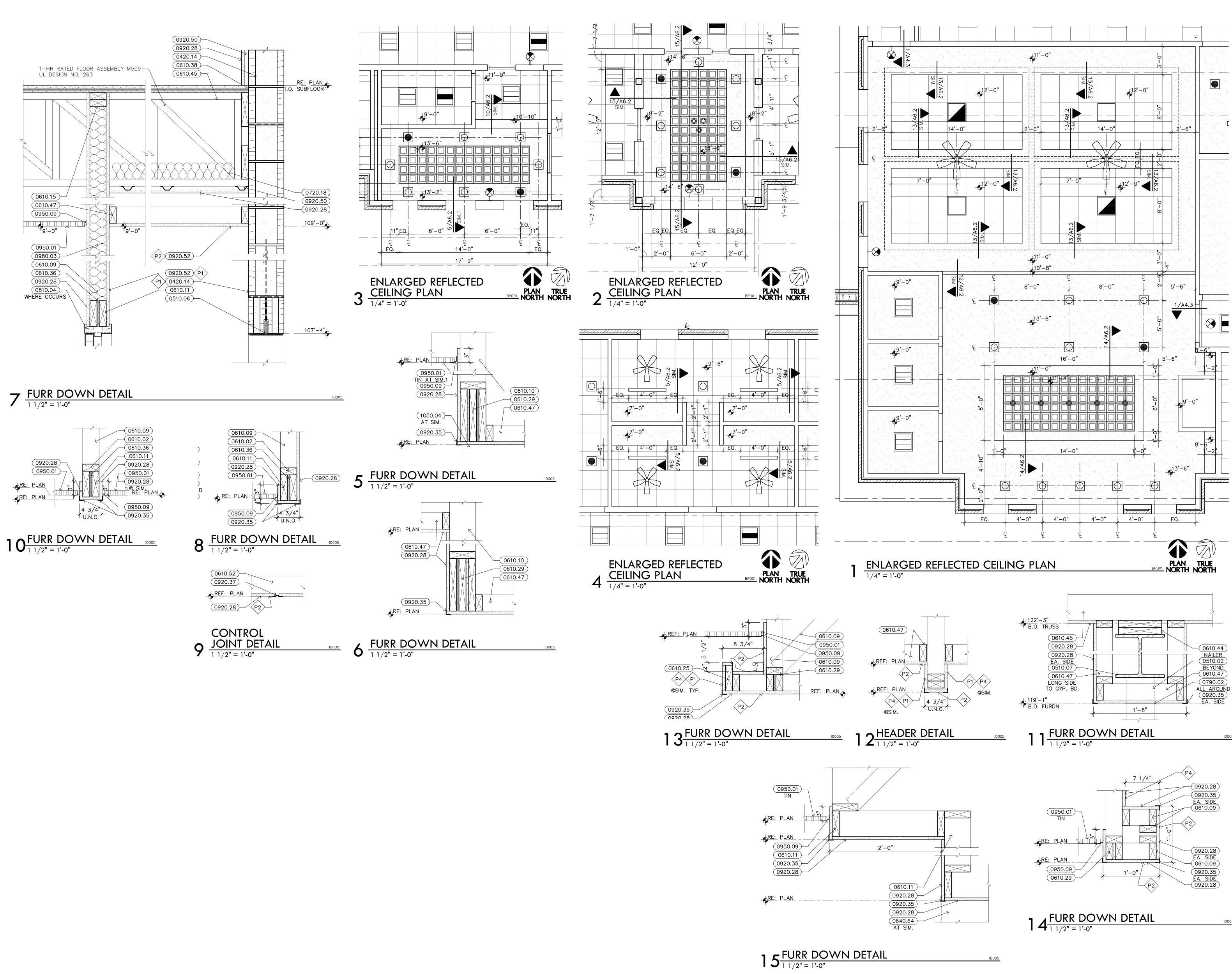
DIVISION 07 - THERMAL & MOISTURE PROTECTION

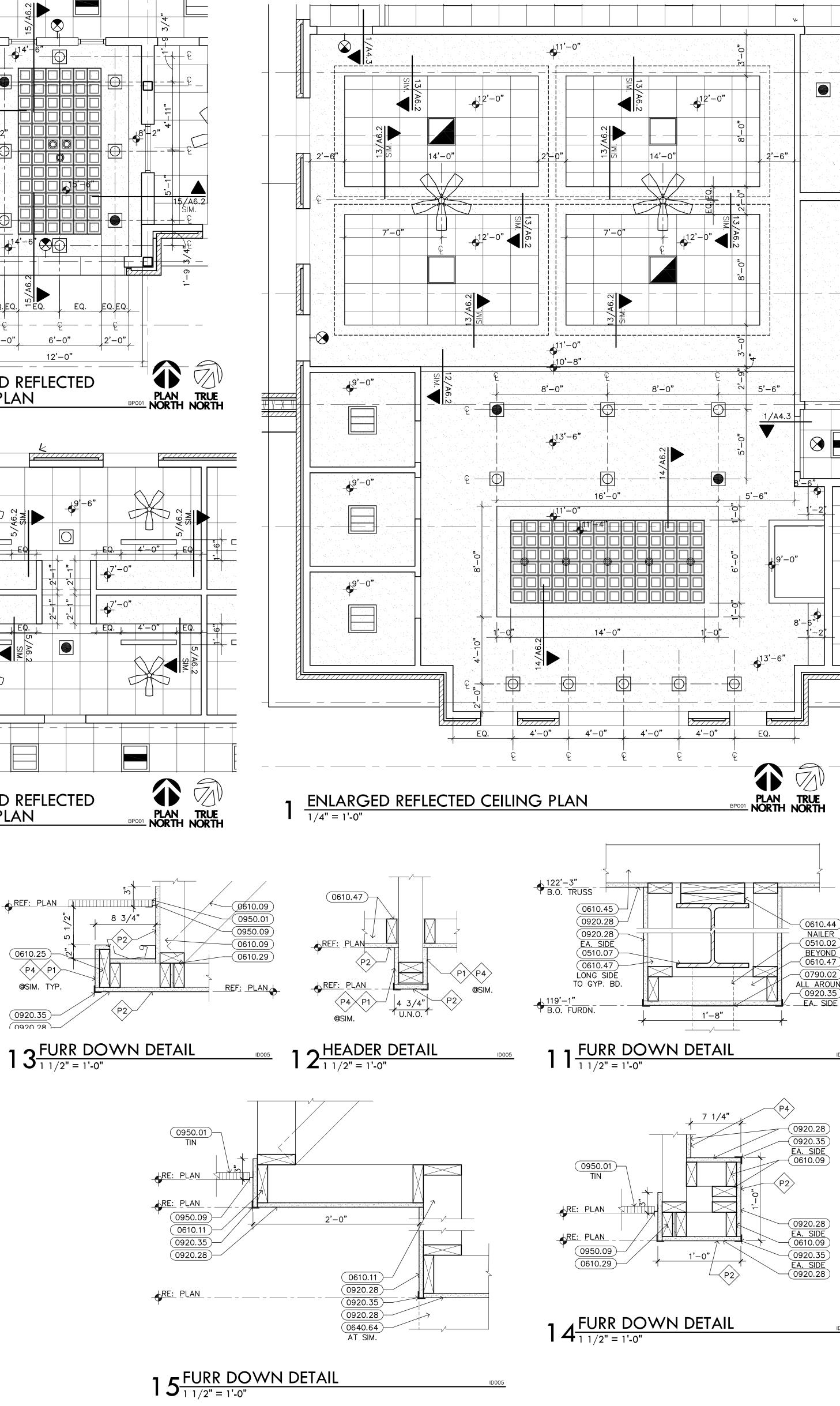
0810.22 SOLID CORE WOOD POCKET DOOR WITH HOLLOW METAL FRAME

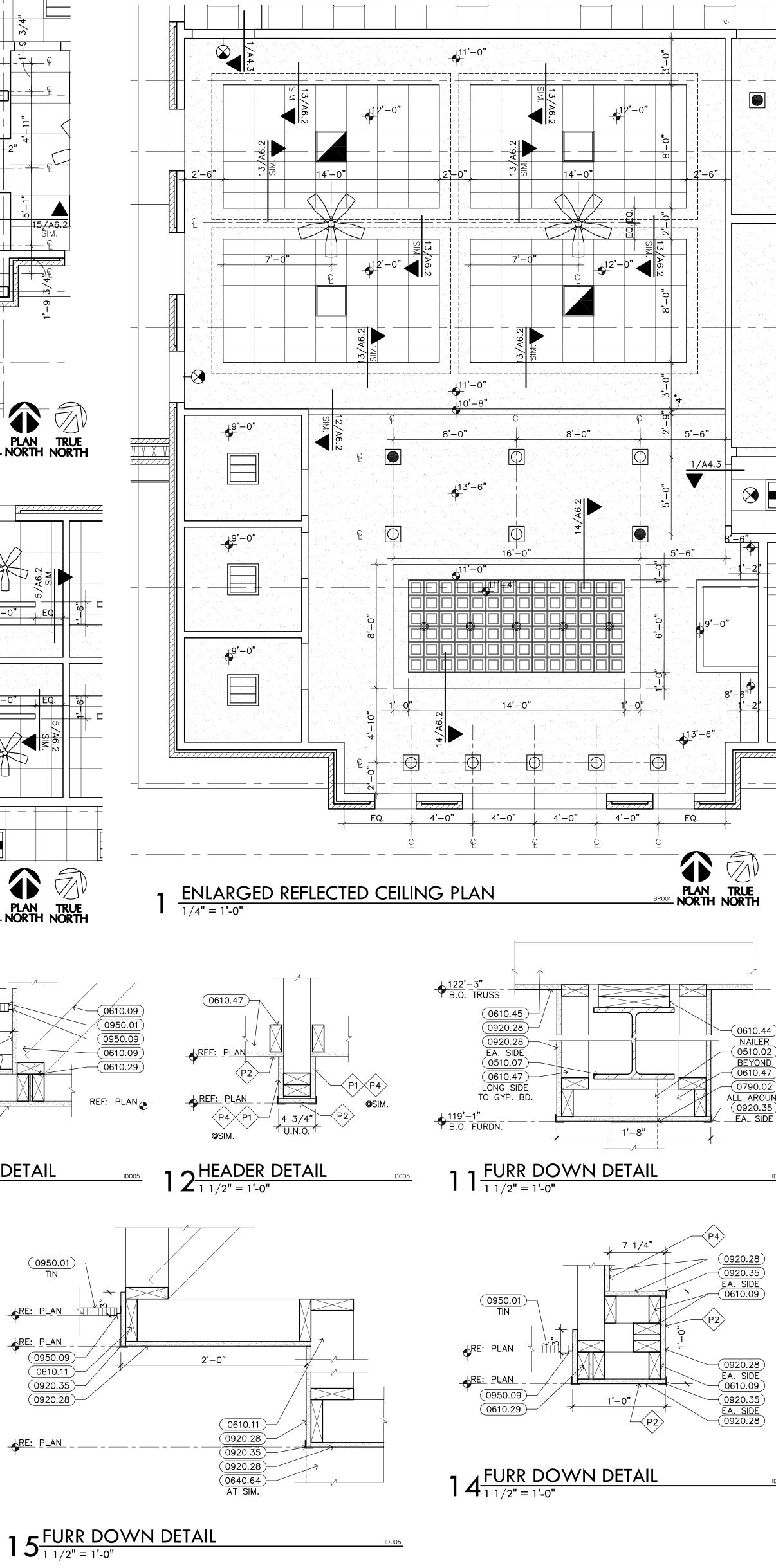












# **KEYNOTES** DIVISION 04 - MASONRY

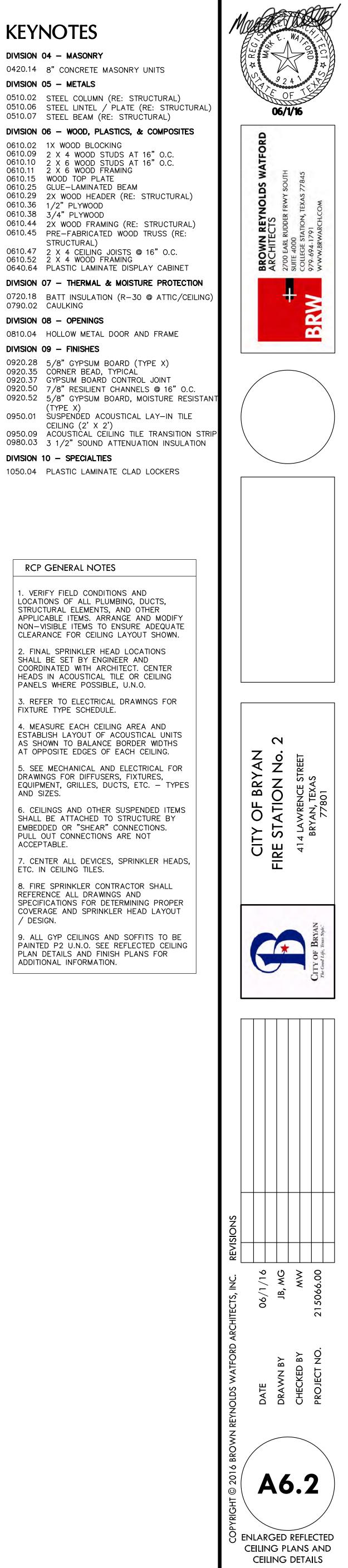
0420.14	8" CONCRETE M
DIVISION	05 – METALS
0510.02 0510.06 0510.07	STEEL COLUMN STEEL LINTEL / STEEL BEAM (R
DIVISION	06 - WOOD, PLA
0610.02 0610.09 0610.10 0610.15 0610.25 0610.29 0610.36 0610.38 0610.44 0610.45	1X WOOD BLOCH 2 X 4 WOOD S 2 X 6 WOOD S 2 X 6 WOOD FF WOOD TOP PLA GLUE-LAMINATE 2X WOOD HEAD 1/2" PLYWOOD 3/4" PLYWOOD 2X WOOD FRAM PRE-FABRICATE STRUCTURAL)
0610.47 0610.52 0640.64	2 X 4 CEILING 2 X 4 WOOD FF PLASTIC LAMINA
DIVISION	07 - THERMAL
0720.18 0790.02	BATT INSULATIC CAULKING
DIVISION	08 - OPENINGS
0810.04	HOLLOW METAL
DIVISION	09 - FINISHES
0920.28 0920.35 0920.37 0920.50 0920.52	5/8" GYPSUM E CORNER BEAD, GYPSUM BOARD 7/8" RESILIENT 5/8" GYPSUM E (TYPE X)
0950.01	SUSPENDED AC
0950.09 0980.03	
0000.00	•
	10 - SPECIALTIE
DIVISION	10 – SPECIALTIE PLASTIC LAMINA

# RCP GENERAL NOTES

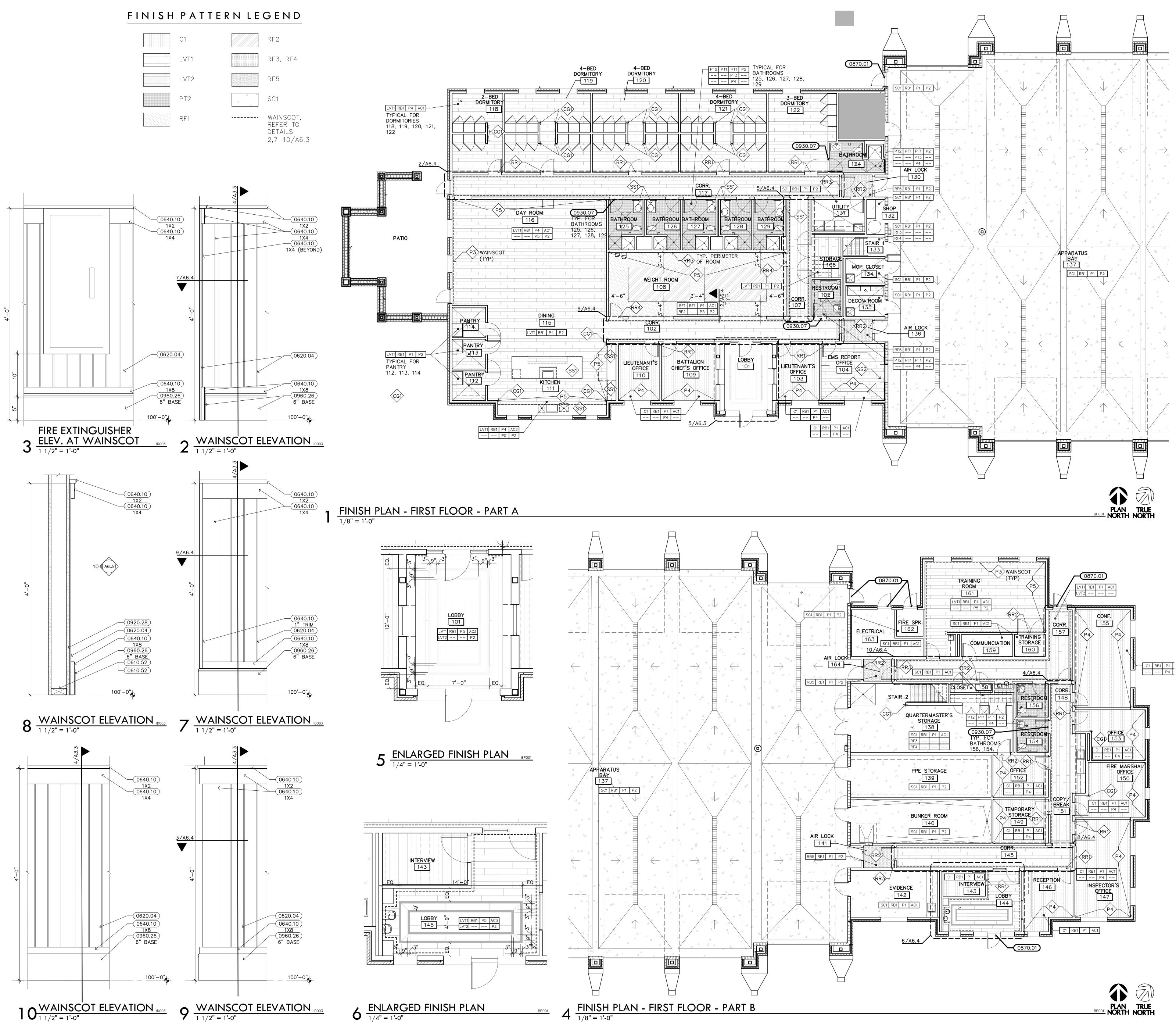
1. VERIFY FIELD CONDIT LOCATIONS OF ALL PLU STRUCTURAL ELEMENTS APPLICABLE ITEMS. ARF NON-VISIBLE ITEMS TO CLEARANCE FOR CEILIN
2. FINAL SPRINKLER HE SHALL BE SET BY ENG COORDINATED WITH ARC HEADS IN ACOUSTICAL PANELS WHERE POSSIB
3. REFER TO ELECTRICA FIXTURE TYPE SCHEDUL
4. MEASURE EACH CEIL ESTABLISH LAYOUT OF AS SHOWN TO BALANC AT OPPOSITE EDGES OF
5. SEE MECHANICAL AN DRAWINGS FOR DIFFUSE EQUIPMENT, GRILLES, D AND SIZES.
6. CEILINGS AND OTHER

6. CEILINGS AND OTHER SUSPENDED ITEMS SHALL BE ATTACHED TO STRUCTURE BY EMBEDDED OR "SHEAR" CONNECTIONS. PULL OUT CONNECTIONS ARE NOT ACCEPTABLE.

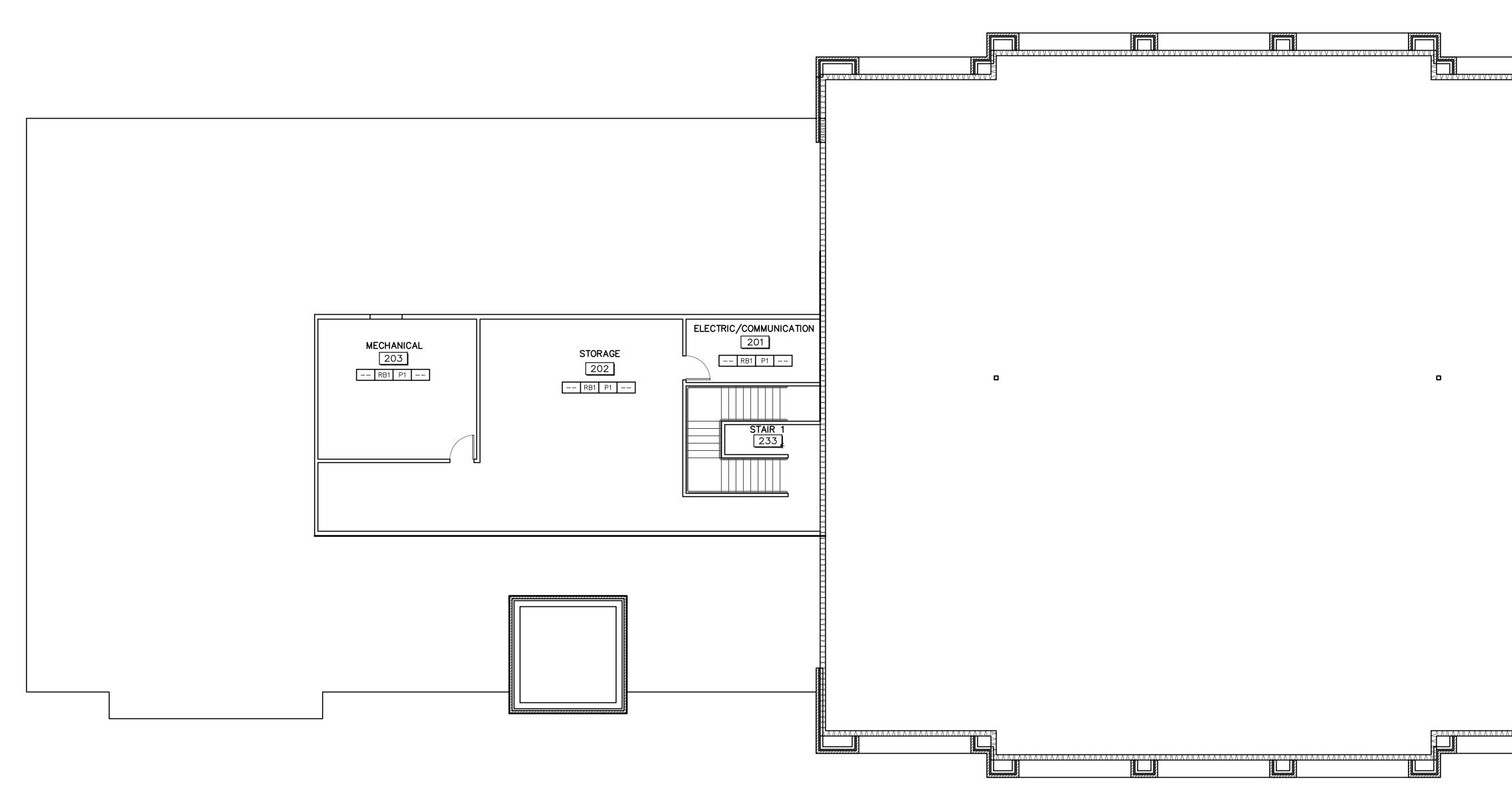
8. FIRE SPRINKLER CONTRACTOR SHALL REFERENCE ALL DRAWINGS AND SPECIFICATIONS FOR DETERMINING PROPER COVERAGE AND SPRINKLER HEAD LAYOUT / DESIGN.



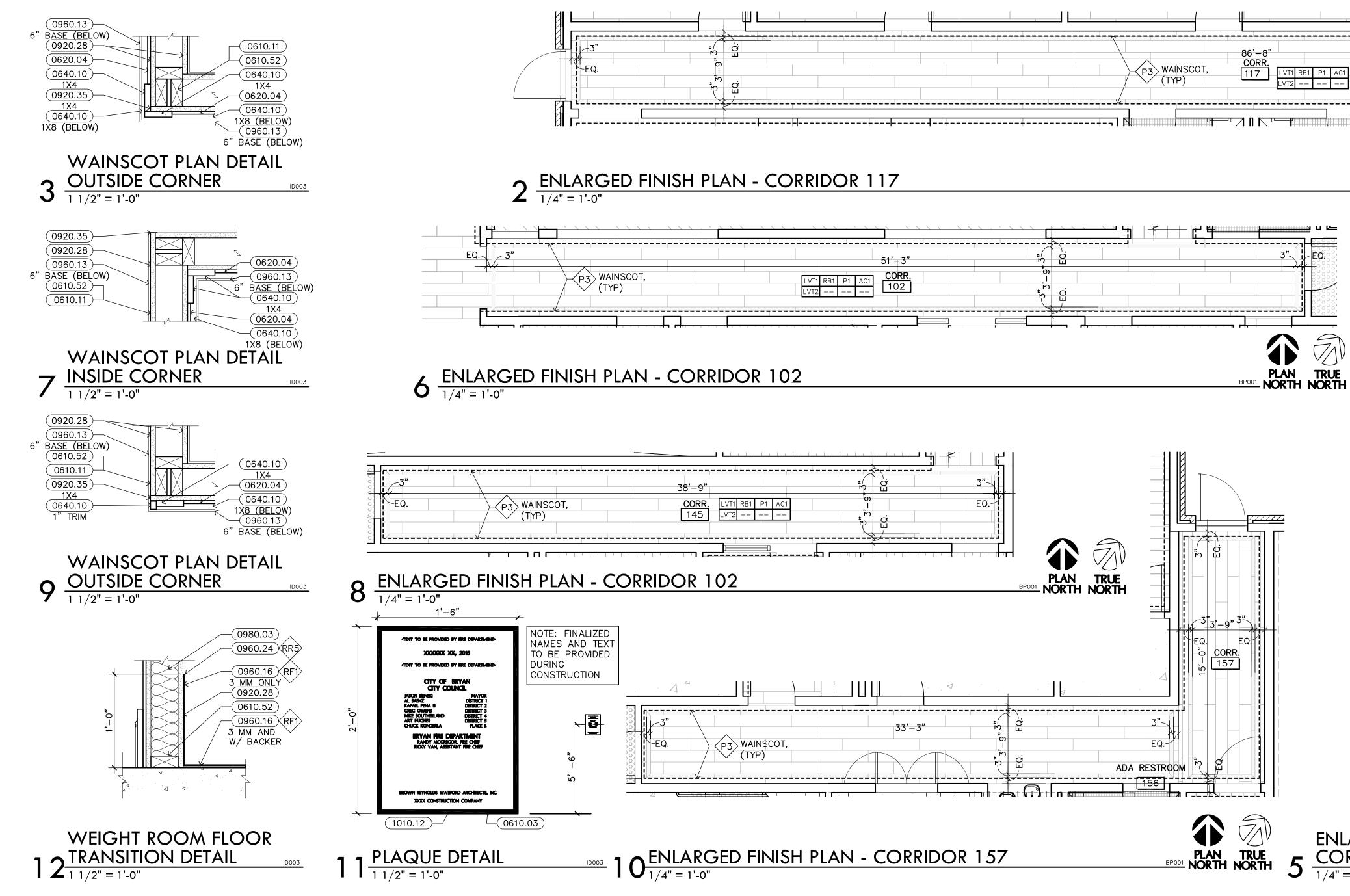
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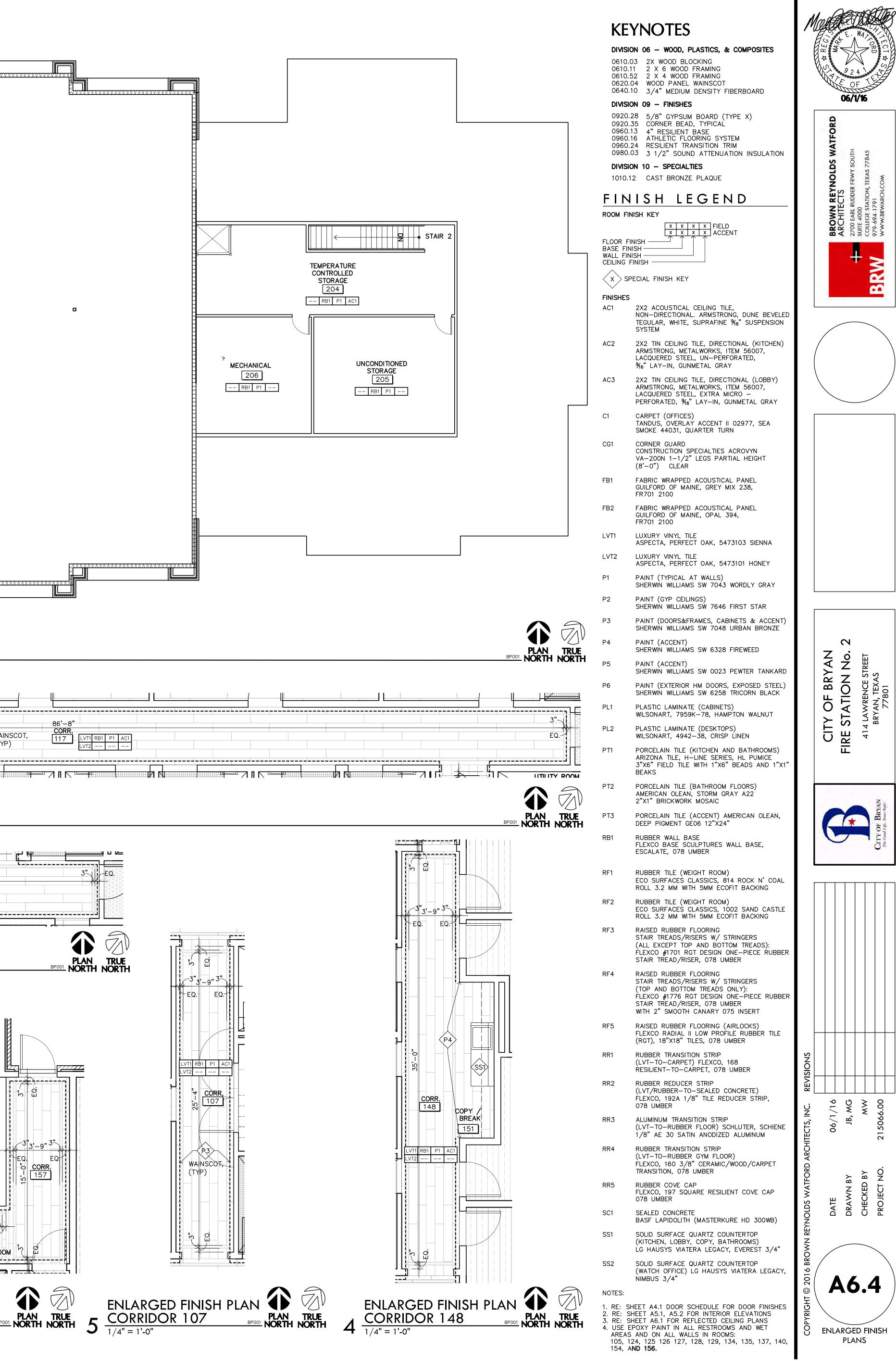
KE	YNOTES	M	late		<i>D</i>	
DIVIS	ION 06 - WOOD, PLASTICS, & COMPOSITES		REG			LECT R
0620 0640	.52 2 X 4 WOOD FRAMING 0.04 WOOD PANEL WAINSCOT 0.10 3/4" MEDIUM DENSITY FIBERBOARD ION 08 – OPENINGS		S S A	92 XE 0		S A
0870	.03 WALL ACCESS PANEL .01 METAL THRESHOLD. SET IN SEALANT			06/1	<b>1/16</b>	
0920 0930 0960	ION 09 – FINISHES .28 5/8" GYPSUM BOARD (TYPE X) .07 7/8" GRANITE THRESHOLD .26 RESILIENT BASE ION 32 – EXTERIOR IMPROVEMENTS		VOLDS WATFORD	SOUTH	EXAS 77845	
	NISH LEGEND		VIOLE	ER FRWY	SUITE 4000 COLLEGE STATION, TEXAS 77845	H.COM
			VN RE	HITECT: ARL RUDD	000 SE STATIO	4-1791 BRWARCH
FLOOR BASE F			BROWN	ARCHITE 2700 EARL R	SUITE 4 COLLEC	979-69 WWW
WALL F				-		2
FINISHE	SPECIAL FINISH KEY					
AC1	2X2 ACOUSTICAL CEILING TILE, NON-DIRECTIONAL. ARMSTRONG, DUNE BEVELED TEGULAR, WHITE, SUPRAFINE %6" SUSPENSION SYSTEM					
AC2	2X2 TIN CEILING TILE, DIRECTIONAL (KITCHEN) ARMSTRONG, METALWORKS, ITEM 56007, LACQUERED STEEL, UN-PERFORATED, ¾6" LAY-IN, GUNMETAL GRAY					
AC3	2X2 TIN CEILING TILE, DIRECTIONAL (LOBBY) ARMSTRONG, METALWORKS, ITEM 56007, LACQUERED STEEL, EXTRA MICRO — PERFORATED, %6" LAY—IN, GUNMETAL GRAY					
C1	CARPET (OFFICES) TANDUS, OVERLAY ACCENT II 02977, SEA SMOKE 44031, QUARTER TURN					
CG1	CORNER GUARD CONSTRUCTION SPECIALTIES ACROVYN VA-200N 1-1/2" LEGS PARTIAL HEIGHT (8'-0") CLEAR					
FB1	FABRIC WRAPPED ACOUSTICAL PANEL GUILFORD OF MAINE, GREY MIX 238, FR701 2100					
FB2	FABRIC WRAPPED ACOUSTICAL PANEL GUILFORD OF MAINE, OPAL 394, FR701 2100					
LVT1 LVT2	LUXURY VINYL TILE ASPECTA, PERFECT OAK, 5473103 SIENNA LUXURY VINYL TILE					
P1	ASPECTA, PERFECT OAK, 5473101 HONEY PAINT (TYPICAL AT WALLS)					
P2	SHERWIN WILLIAMS SW 7043 WORDLY GRAY PAINT (GYP CEILINGS)					
P3	SHERWIN WILLIAMS SW 7646 FIRST STAR PAINT (DOORS&FRAMES, CABINETS & ACCENT) SHERWIN WILLIAMS SW 7048 URBAN BRONZE					
P4	PAINT (ACCENT) SHERWIN WILLIAMS SW 6328 FIREWEED			2		
P5	PAINT (ACCENT) SHERWIN WILLIAMS SW 0023 PEWTER TANKARD		AN	<u>V</u> 0.	RET	
P6	PAINT (EXTERIOR HM DOORS, EXPOSED STEEL) SHERWIN WILLIAMS SW 6258 TRICORN BLACK		BRY.	ZN	ICE STR	EXAS )1
PL1	PLASTIC LAMINATE (CABINETS) WILSONART, 7959K—78, HAMPTON WALNUT		OF	ATIC	WREN	BRYAN, TEXAS 77801
PL2	PLASTIC LAMINATE (DESKTOPS) WILSONART, 4942-38, CRISP LINEN		ЗПΥ	FIRE STATION No.	414 LAWRENCE STREET	BR
PT1	PORCELAIN TILE (KITCHEN AND BATHROOMS) ARIZONA TILE, H–LINE SERIES, HL PUMICE 3"X6" FIELD TILE WITH 1"X6" BEADS AND 1"X1" BEAKS		U	FIR		
PT2	PORCELAIN TILE (BATHROOM FLOORS) AMERICAN OLEAN, STORM GRAY A22 2"X1" BRICKWORK MOSAIC					7
PT3	PORCELAIN TILE (ACCENT) AMERICAN OLEAN, DEEP PIGMENT GE06 12"X24"		1	7		F BRYAN
RB1	RUBBER WALL BASE FLEXCO BASE SCULPTURES WALL BASE, ESCALATE, 078 UMBER		C	)		CITY OI The Good Lij
RF1	RUBBER TILE (WEIGHT ROOM) ECO SURFACES CLASSICS, 814 ROCK N' COAL ROLL 3.2 MM WITH 5MM ECOFIT BACKING					
RF2	RUBBER TILE (WEIGHT ROOM) ECO SURFACES CLASSICS, 1002 SAND CASTLE ROLL 3.2 MM WITH 5MM ECOFIT BACKING					
RF3	RAISED RUBBER FLOORING STAIR TREADS/RISERS W/ STRINGERS (ALL EXCEPT TOP AND BOTTOM TREADS): FLEXCO #1701 RGT DESIGN ONE-PIECE RUBBER STAIR TREAD/RISER, 078 UMBER					
RF4	RAISED RUBBER FLOORING STAIR TREADS/RISERS W/ STRINGERS (TOP AND BOTTOM TREADS ONLY): FLEXCO #1776 RGT DESIGN ONE-PIECE RUBBER STAIR TREAD/RISER, 078 UMBER					
RF5	WITH 2" SMOOTH CANARY 075 INSERT RAISED RUBBER FLOORING (AIRLOCKS) FLEXCO RADIAL II LOW PROFILE RUBBER TILE (RGT), 18"X18" TILES, 078 UMBER					
RR1	RUBBER TRANSITION STRIP (LVT–TO–CARPET) FLEXCO, 168 RESILIENT–TO–CARPET, 078 UMBER	NS				
RR2	RUBBER REDUCER STRIP (LVT/RUBBER-TO-SEALED CONCRETE) FLEXCO, 192A 1/8" TILE REDUCER STRIP, 078 UMBER	REVISIONS				
RR3	ALUMINUM TRANSITION STRIP (LVT-TO-RUBBER FLOOR) SCHLUTER, SCHIENE 1/8" AE 30 SATIN ANODIZED ALUMINUM	ECTS, INC.	6/1/16	JB, MG	WW	5066.00
RR4	RUBBER TRANSITION STRIP (LVT-TO-RUBBER GYM FLOOR) FLEXCO, 160 3/8" CERAMIC/WOOD/CARPET TRANSITION, 078 UMBER		0			. 21
RR5	RUBBER COVE CAP FLEXCO, 197 SQUARE RESILIENT COVE CAP 078 UMBER	VATFOR		DRAWN BY	СНЕСКЕР ВУ	PROJECT NO
SC1	SEALED CONCRETE BASF LAPIDOLITH (MASTERKURE HD 300WB)		DATE	DRAM	CHECI	PROJI
SS1	SOLID SURFACE QUARTZ COUNTERTOP (KITCHEN, LOBBY, COPY, BATHROOMS) LG HAUSYS VIATERA LEGACY, EVEREST 3/4"	N REYN				
SS2	SOLID SURFACE QUARTZ COUNTERTOP (WATCH OFFICE) LG HAUSYS VIATERA LEGACY, NIMBUS 3/4"	COPYRIGHT © 2016 BROWN REYNOLDS WATFORD ARCHIT				
	SHEET A4.1 DOOR SCHEDULE FOR DOOR FINISHES	ЧТ © 2С		46	). (	3
2. RE: 3. RE: 4. USE AREA 105,	SHEET A5.1, A5.2 FOR INTERIOR ELEVATIONS SHEET A6.1 FOR REFLECTED CEILING PLANS EPOXY PAINT IN ALL RESTROOMS AND WET AS AND ON ALL WALLS IN ROOMS: 124, 125 126 127, 128, 129, 134, 135, 137, 140, AND 156.	COPYRIG	F		PLA	N

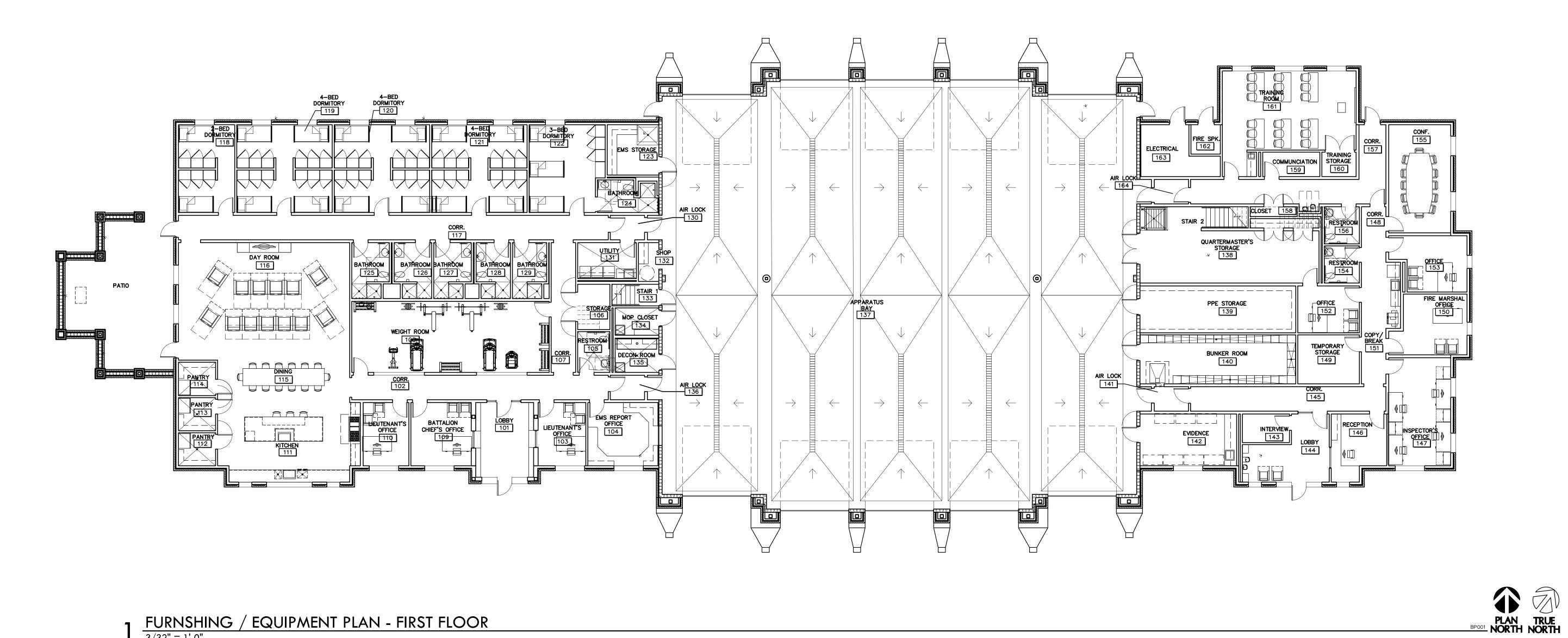


FINISH PLAN - MEZZANINE

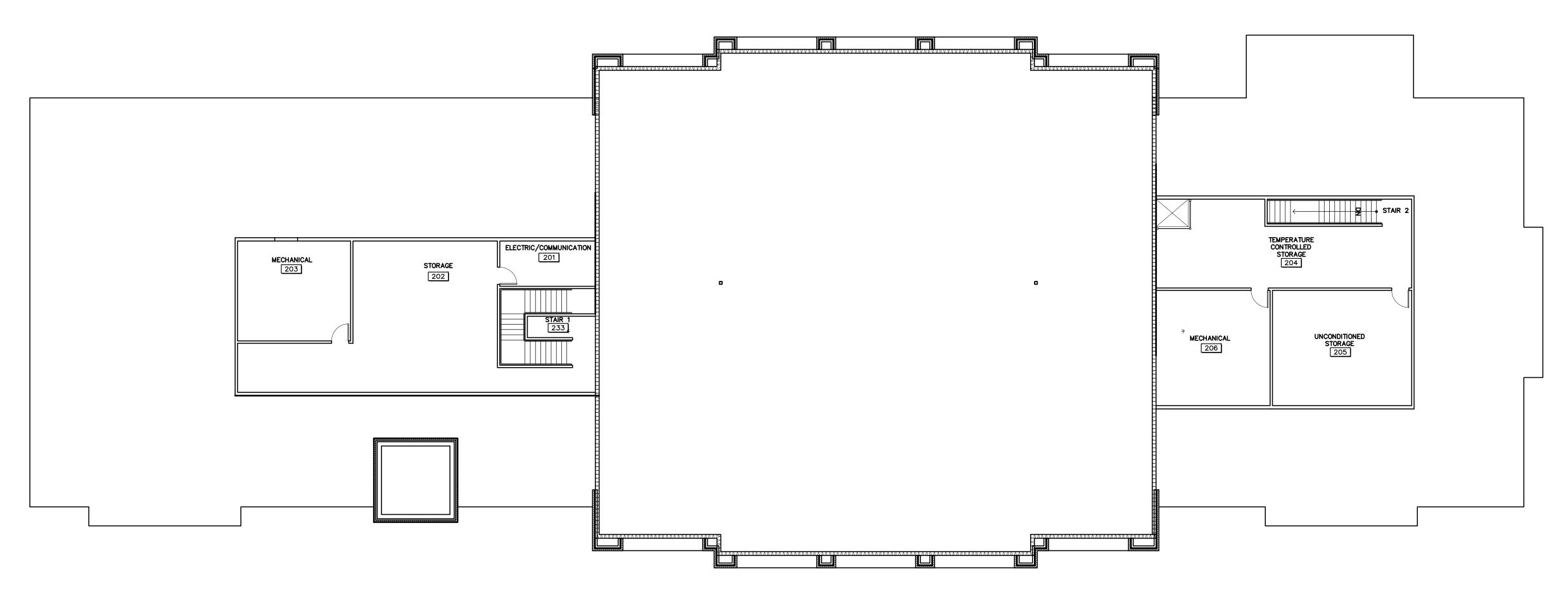


3"			 >				<b></b>					86'-8"		
EQ.		3"3 <sup>1</sup> 9	у ц						P3 (	/AINSCO TYP)	T,	CORR. 117	LVT1 RI LVT2 –	 A(
	 			 	·	 +		 1				715		

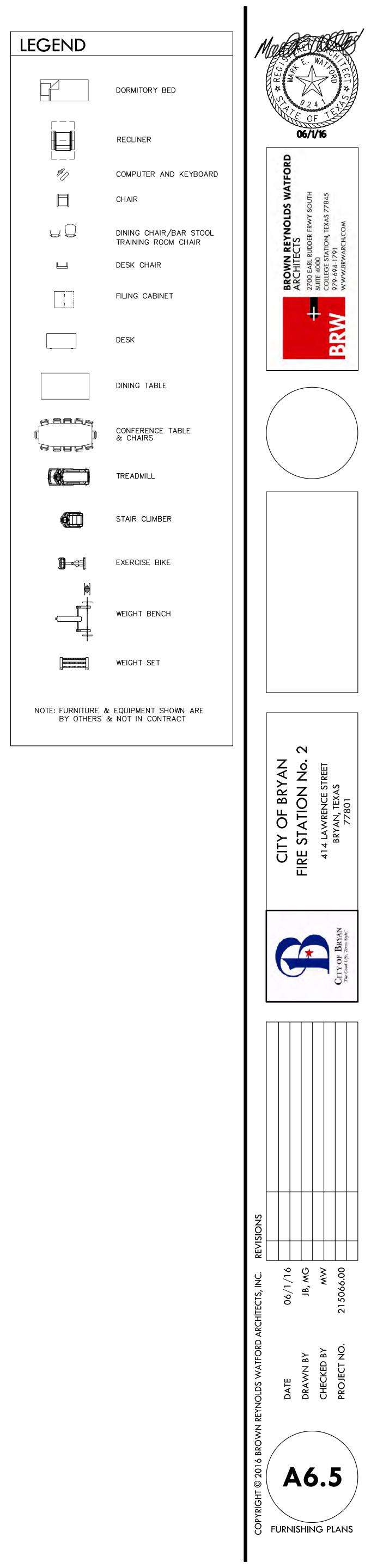




 $\frac{\text{FURNSHING / EQUIPMENT PLAN - FIRST FLOOR}}{3/32'' = 1'-0''}$ 



 $2 \frac{\text{FURNISHING / EQUIPMENT PLAN - MEZZANINE}}{3/32" = 1'-0"}$ 





## ELECTRICAL GENERAL NOTES

TRANSFORMER, THE ELECTRIC METER, AND THE SECONDARY CONNECTIONS IN THE PADMOUNT TRANSFORMER.

THE CUSTOMER SHALL INSTALL, OWN, AND MAINTAIN A CONCRETE TRANSFORMER PAD CONSTRUCTED TO BTU SPECIFICATIONS SHOWN BELOW. IF THE TRANSFORMER IS LOCATED IN AN AREA WHERE IT MAY BE SUBJECT TO PHYSICAL DAMAGE (E.G. FROM VEHICULAR TRAFFIC), BTU MAY REQUIRE THE CUSTOMER TO INSTALL, OWN, AND MAINTAIN AN APPROVED MEANS OF PROTECTION.

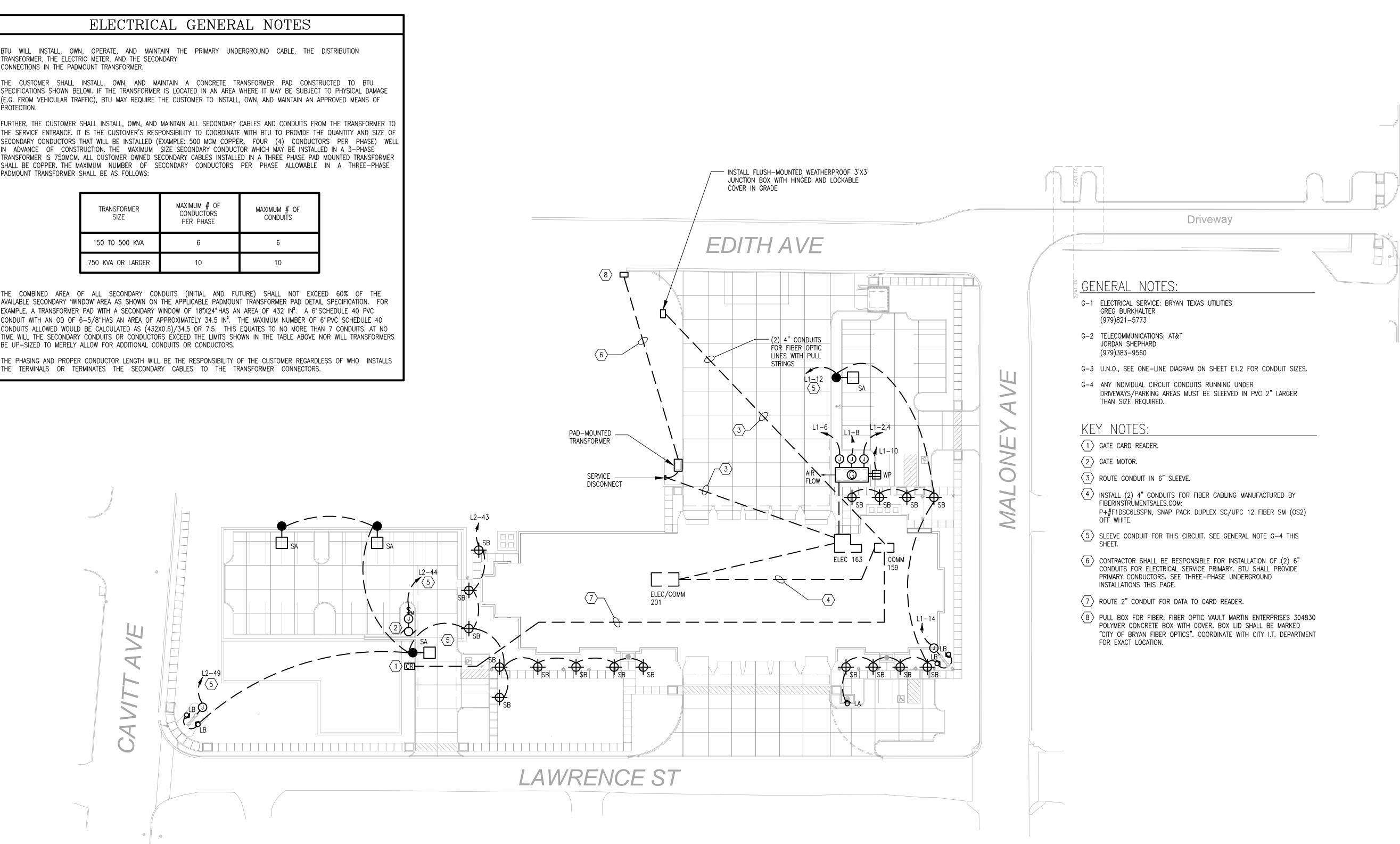
FURTHER, THE CUSTOMER SHALL INSTALL, OWN, AND MAINTAIN ALL SECONDARY CABLES AND CONDUITS FROM THE TRANSFORMER TO THE SERVICE ENTRANCE. IT IS THE CUSTOMER'S RESPONSIBILITY TO COORDINATE WITH BTU TO PROVIDE THE QUANTITY AND SIZE OF SECONDARY CONDUCTORS THAT WILL BE INSTALLED (EXAMPLE: 500 MCM COPPER, FOUR (4) CONDUCTORS PER PHASE) WELL IN ADVANCE OF CONSTRUCTION. THE MAXIMUM SIZE SECONDARY CONDUCTOR WHICH MAY BE INSTALLED IN A 3-PHASE TRANSFORMER IS 750MCM. ALL CUSTOMER OWNED SECONDARY CABLES INSTALLED IN A THREE PHASE PAD MOUNTED TRANSFORMER SHALL BE COPPER. THE MAXIMUM NUMBER OF SECONDARY CONDUCTORS PER PHASE ALLOWABLE IN A THREE-PHASE PADMOUNT TRANSFORMER SHALL BE AS FOLLOWS:

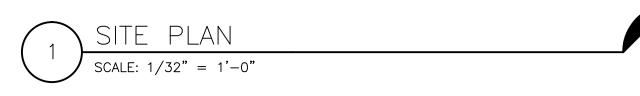
TRANSFORMER SIZE	MAXIMUM # OF CONDUCTORS PER PHASE	MAXIN CC
150 TO 500 KVA	6	
750 KVA OR LARGER	10	

THE COMBINED AREA OF ALL SECONDARY CONDUITS (INITIAL AND FUTURE) SHALL NOT EXCEED 60% OF THE AVAILABLE SECONDARY "WINDOW" AREA AS SHOWN ON THE APPLICABLE PADMOUNT TRANSFORMER PAD DETAIL SPECIFICATION. FOR EXAMPLE, A TRANSFORMER PAD WITH A SECONDARY WINDOW OF 18"X24" HAS AN AREA OF 432 IN<sup>2</sup>. A 6" SCHEDULE 40 PVC CONDUIT WITH AN OD OF 6-5/8" HAS AN AREA OF APPROXIMATELY 34.5 IN<sup>2</sup>. THE MAXIMUM NUMBER OF 6" PVC SCHEDULE 40 CONDUITS ALLOWED WOULD BE CALCULATED AS (432X0.6)/34.5 OR 7.5. THIS EQUATES TO NO MORE THAN 7 CONDUITS. AT NO TIME WILL THE SECONDARY CONDUITS OR CONDUCTORS EXCEED THE LIMITS SHOWN IN THE TABLE ABOVE NOR WILL TRANSFORMERS BE UP-SIZED TO MERELY ALLOW FOR ADDITIONAL CONDUITS OR CONDUCTORS.

THE PHASING AND PROPER CONDUCTOR LENGTH WILL BE THE RESPONSIBILITY OF THE CUSTOMER REGARDLESS OF WHO INSTALLS THE TERMINALS OR TERMINATES THE SECONDARY CABLES TO THE TRANSFORMER CONNECTORS.

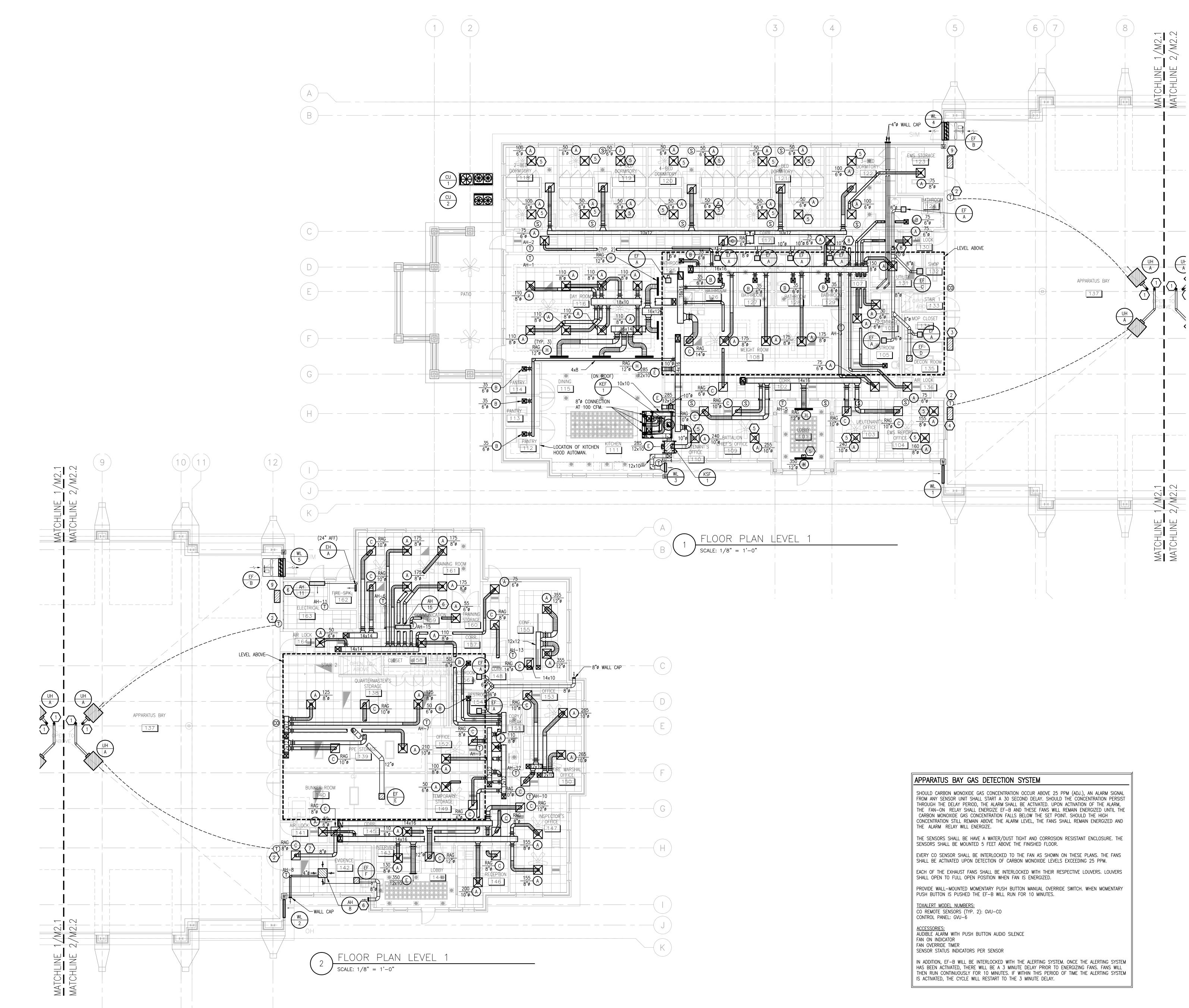
Ш  $\geq$ Y V











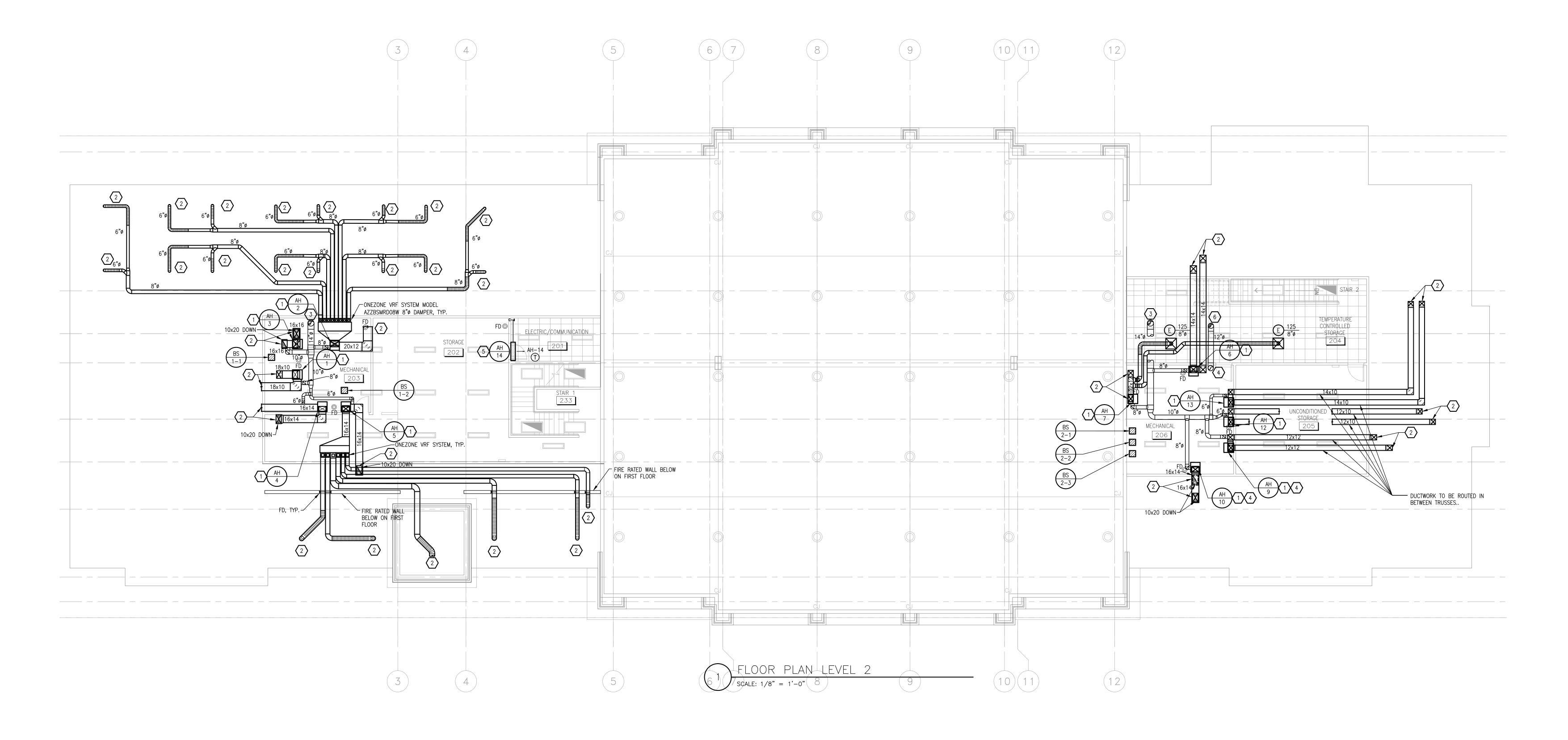
- KEYED NOTES (APPLIES GAS VENT THRU ROOF, CONTRAC LOCATION OF CAP CANNOT BE SI THE BUILDING.
- INTERLOCK HEATER CONTROLS WI SECTIONAL DOORS ARE OPEN, TH SHUT "OFF". IF SECTIONAL DOORS HEATERS WILL TURN "ON" AS NE TEMPERATURE SETPOINT.
- 3 LOCATION OF GAS DETECTION CO COORDINATE EXACT HEIGHT AND PRIOR TO INSTALLATION.
- 4 LOCATION OF MANUAL OVERRIDE COORDINATE EXACT HEIGHT AND PRIOR TO INSTALLATION.
- 5 REFER TO SHEET M2.3 FOR CON  $\overline{(6)}$  FULL SIZE CONDENSATE TO BE F
- PROVIDE BACKDRAFT DAMPER IN BACKDRAFT DAMPER SHALL BE PO ALLOWS AIR TO BE PULLED FROM ALLOWS AIR FROM EVIDENCE 142 CORRIDOR 145.
- 8 EXHAUST AIR DUCTWORK ROUTED PROVIDE ROOF CAP AT ROOF PE 9 MOTOR STARTER FOR EF-B. FIELD LOCATION WITH OWNER/ARCHITEC
- ALL DUCTS RUNNING ABOVE HALLWAY ALONG EDGE OF CORRIDORS AND AT CEILING ALLOWING CLEARANCE FOR LI FIRE SPRINKLER RUNS/SPRINKERS.

ALL CONDENSATE TO BE ROUTED AN SEWER.

FROM ANY SENSOR UNIT SHA THROUGH THE DELAY PERIOD THE FAN-ON RELAY SHALL CARBON MONOXIDE GAS CO	GAS CONCENTRATION OCCUR ABOVE 25 PPM (ADJ.), AN ALARM SIG ALL START A 30 SECOND DELAY. SHOULD THE CONCENTRATION PER ), THE ALARM SHALL BE ACTIVATED. UPON ACTIVATION OF THE ALAR ENERGIZE EF—B AND THESE FANS WILL REMAIN ENERGIZED UNTIL NCENTRATION FALLS BELOW THE SET POINT. SHOULD THE HIGH N ABOVE THE ALARM LEVEL, THE FANS SHALL REMAIN ENERGIZED A IERGIZE.
	VE A WATER/DUST TIGHT AND CORROSION RESISTANT ENCLOSURE. T D 5 FEET ABOVE THE FINISHED FLOOR.
	E INTERLOCKED TO THE FAN AS SHOWN ON THESE PLANS. THE FAI DETECTION OF CARBON MONOXIDE LEVELS EXCEEDING 25 PPM.
	S SHALL BE INTERLOCKED WITH THEIR RESPECTIVE LOUVERS. LOUVE POSITION WHEN FAN IS ENERGIZED.
	MENTARY PUSH BUTTON MANUAL OVERRIDE SWITCH. WHEN MOMENT/ HE EF—B WILL RUN FOR 10 MINUTES.
TOXALERT MODEL NUMBERS: CO REMOTE SENSORS (TYP. CONTROL PANEL: GVU-6	2): GVU-CO
ACCESSORIES: AUDIBLE ALARM WITH PUSH I FAN ON INDICATOR FAN OVERRIDE TIMER	BUTTON AUDIO SILENCE

es to this sheet only)
ACTOR TO FIELD VERIFY SEEN FROM THE FRONT OF
WITH SECTIONAL DOORS. IF THE HEATERS WILL BE ORS ARE CLOSED, THE NEEDED TO MEET AREA
CONTROL PANEL. D LOCATION WITH OWNER
DE SWITCH FOR EF—B. D LOCATION WITH OWNER
ONTINUATION.
E ROUTED AS SHOWN.
IN TRANSFER DUCT. THE POSITIONED SO THAT IT ROM CORRIDOR 145, BUT 142 TO MIGRATE INTO
ED THRU ROOF AS SHOWN, PENETRATION.
IELD COORDINATE EXACT ECT PRIOR TO INSTALLATION.
/AY CEILINGS SHALL RUN AT A HEIGHT ABOVE LIGHT FIXTURES AND
AND DRAIN TO SANITARY





 KEYED NOTES
 (APPLIES TO THIS SHEET ONLY)

 1
 ROUTE CONDENSATE TO FUNNEL DRAIN IN MECHANICAL ROOM, REFER TO PLUMBING PLANS FOR EXACT LOCATION.

 2
 REFER TO SHEET M2.1 FOR CONTINUATION.

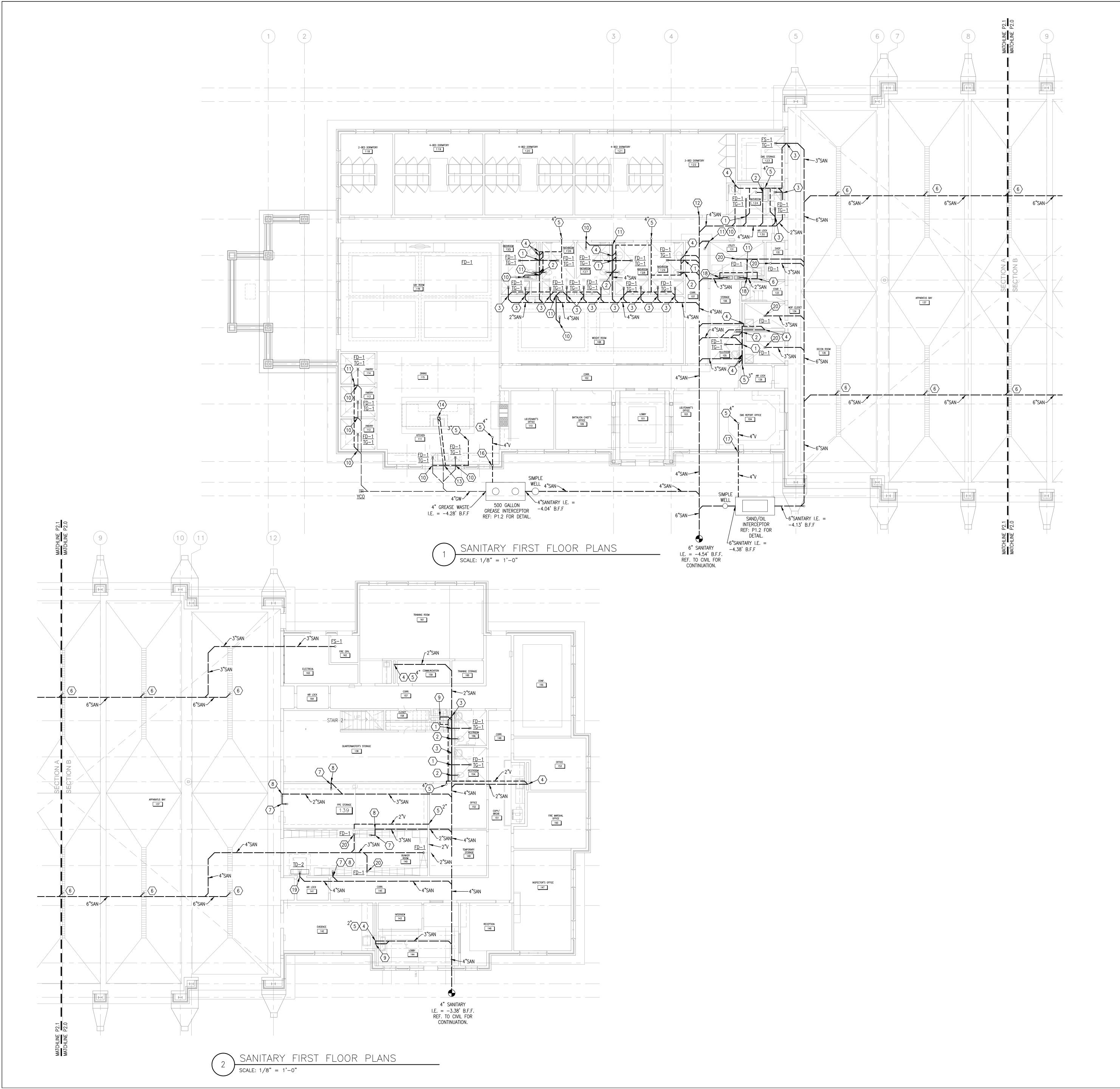
 3
 14"Ø OUTSIDE AIR DUCTWORK ROUTED THRU ROOF AS SHOWN, PROVIDE ROOF CAP AT ROOF PENETRATION.

 4
 12"Ø EXHAUST DUCTWORK ROUTED THRU ROOF AS SHOWN, PROVIDE ROOF CAP AT ROOF PENETRATION.

 5
 FULL SIZE CONDENSATE TO BE ROUTED AS SHOWN.

 6
 12"Ø EXHAUST AIR DUCTWORK ROUTED THRU ROOF AS SHOWN.





(19) 4" SANITARY LINE UP TO 4" P-TRAP FOR TRENCH DRAIN, ROUTE 2" VENT UP THRU SLAB WITHIN WALL TO CEILING TO VENT MAIN.  $\langle 20 \rangle$  3" UP TO 3" FLOOR DRAIN, ROUTE 3" LINE TO SAND/OIL INTERCEPTOR.

TO VENT MAIN.

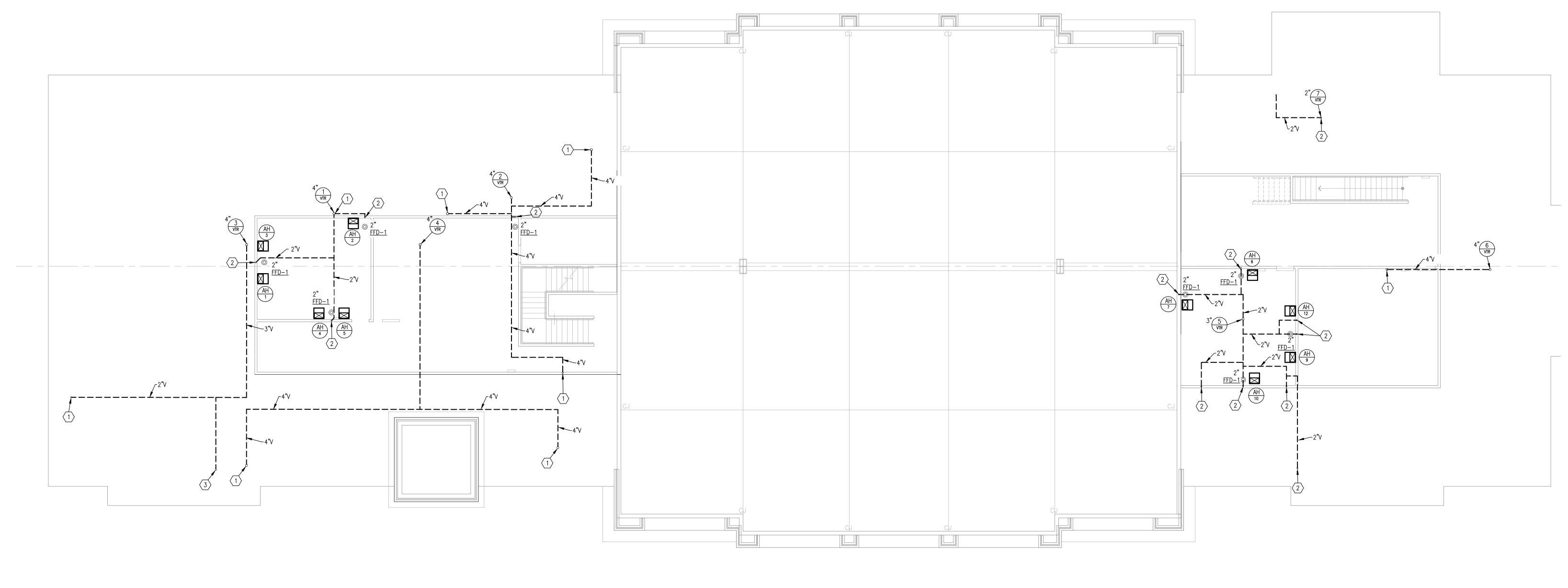
 $\langle 18 \rangle$  route 2" sanitary line up thru floor to washing machine box,

MOUNT BOX AT 48" A.F.F., ROUTE 2" VENT UP WITHIN WALL TO CEILING

- 4" SAND/OIL INTERCEPTOR VENT ROUTED UP THRU SLAB WITHIN WALL TO CEILING, ROUTE VENT LINE INTO ATTIC SPACE.
- (16) 4" GREASE INTERCEPTOR VENT ROUTED UP THRU SLAB WITHIN WALL TO CEILING, ROUTE VENT LINE INTO ATTIC SPACE.
- $\langle 15 \rangle$  3" vent routed up wall to ceiling, route line to vent main.
- $\langle 14 \rangle$  2" SANITARY AND VENT UP FROM BELOW FLOOR TO ISLAND SINK DRAIN.
- $\langle 12 \rangle$  4" SANITARY LINE UP THRU SLAB WITHIN WALL TO WALL CLEAN-OUT, MOUNT AT 12" A.F.F.  $\langle 13 \rangle$  2" SANITARY LINE ROUTED UP TO PLUMBING FIXTURES DRAIN, ROUTE 2" SANITARY AND VENT LINE BELOW SLAB TO ISLAND SINK, ROUTE 2" VENT IN WALL TO CEILING TO VENT MAIN.
- $\langle 11 \rangle$  2" vent routed up thru attic area.
- $\langle 10 
  angle$  2" Sanitary line routed up to 2" P–trap for floor drain, ROUTE 2" VENT UP THRU FLOOR WITHIN WALL TO CEILING TO VENT MAIN.
- $\langle 9 \rangle$  route 2" sanitary line routed up thru floor to drinking FOUNTAIN DRAIN, ROUTE 2" VENT UP WITHIN WALL TO CEILING TO VENT MAIN.
- 8 ROUTE 2" SANITARY LINE WITHIN WALL THRU FLOOR, CONNECT TO SANITARY MAIN BELOW SLAB.
- $\overline{7}$  2" SANITARY LINE ROUTED IN CEILING TO 2" P-TRAP FOR FUNNEL FLOOR DRAIN, ROUTE 2" VENT UP THRU FLOOR TO ATTIC.
- 6 4" ROUTED UP TO TRENCH DRAIN, CONNECT 4" LINE ROUTED TO SAND/OIL INTERCEPTOR.
- $\langle 5 \rangle$  vent main up thru floor to attic, sizes noted on plan.
- $\overleftarrow{4}$  2" SANITARY LINE ROUTED UP THRU FLOOR TO SINK DRAIN, ROUTE 2" VENT UP WITHIN WALL TO CEILING TO VENT MAIN.
- $\left< 3 \right>$  2" SANITARY LINE ROUTED UP THRU FLOOR TO LAVATORY DRAIN, ROUTE 2" VENT UP WITHIN WALL TO CEILING TO VENT MAIN.
- $\langle 2 \rangle$  4" SANITARY LINE ROUTED UP TO FLOOR FLANGE FOR WATER CLOSET, ROUTE 2" VENT UP THRU FLOOR WITHIN WALL TO CEILING TO VENT MAIN..
- (1) 3" SANITARY LINE ROUTED TO 3" P-TRAP FOR FLOOR DRAIN, ROUTE 2" VENT UP THRU FLOOR WITHIN WALL TO CEILING TO VENT MAIN.
- KEY NOTES:
- 5. TRAPS PRIMER TO BE INSTALL IN ALL FLOOR DRAINS AND FLOOR SINKS UNLESS OTHER WISE NOTED.
- 3. CONCEAL ALL PIPING WITHIN WALLS OF APPARATUS BAYS AND PROVIDE PIPE INSULATION ON ALL PLUMBING VERTICAL DROPS IN BAY, NO EXPOSED PIPING, CONDUIT, ETC. IN APPARATUS BAYS.
- REFER TO PLUMBING RISER DIAGRAMS FOR ADDITION SIZES AND PIPE ROUTING.
- 1. ALL HORIZONTAL PIPING IN APPARATUS BAY SHALL BE PROVIDED WITH HEAT-TRACE FREEZE PROTECTION AND COORDINATE W/ELECTRICAL.

GENERAL NOTES:



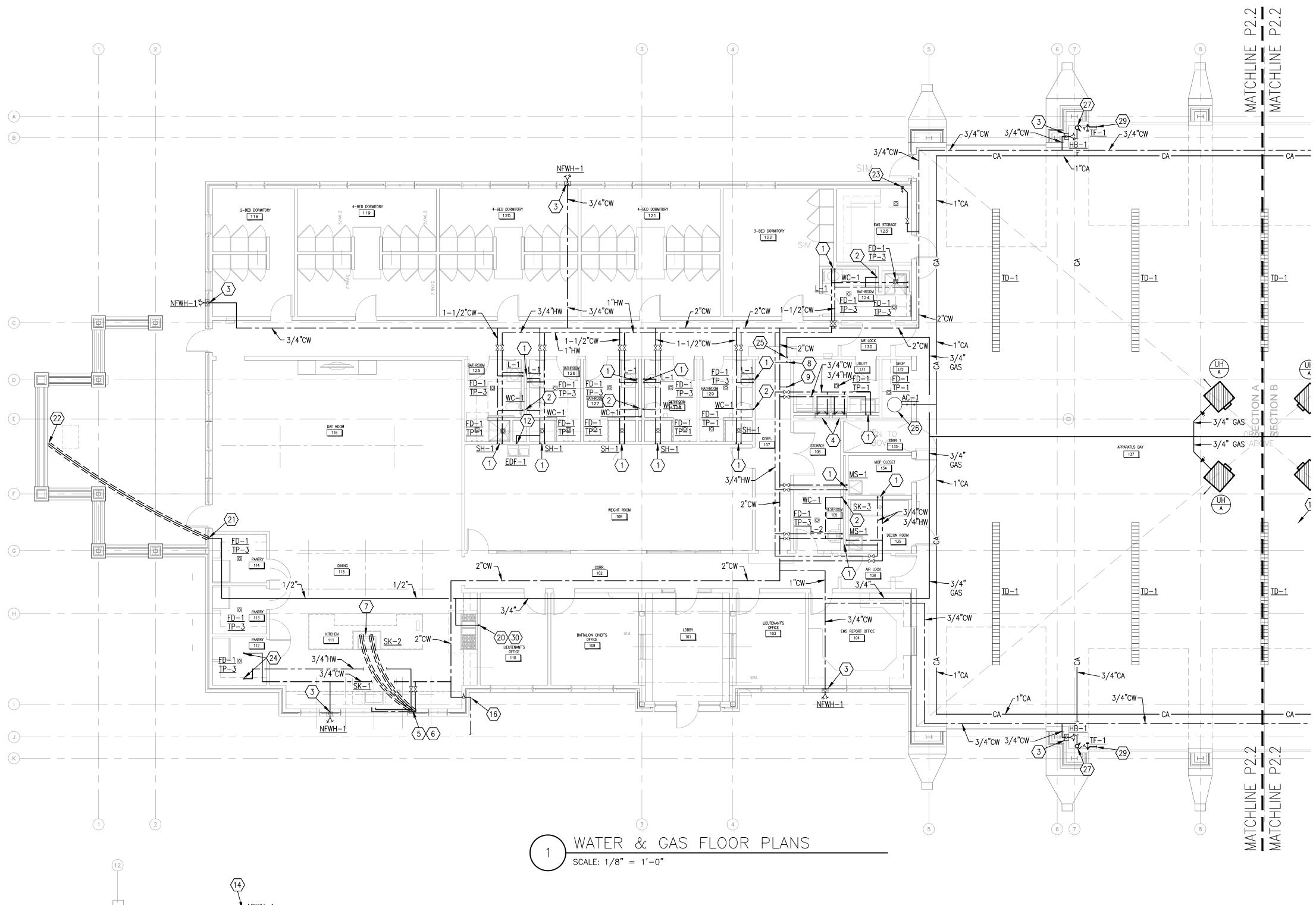


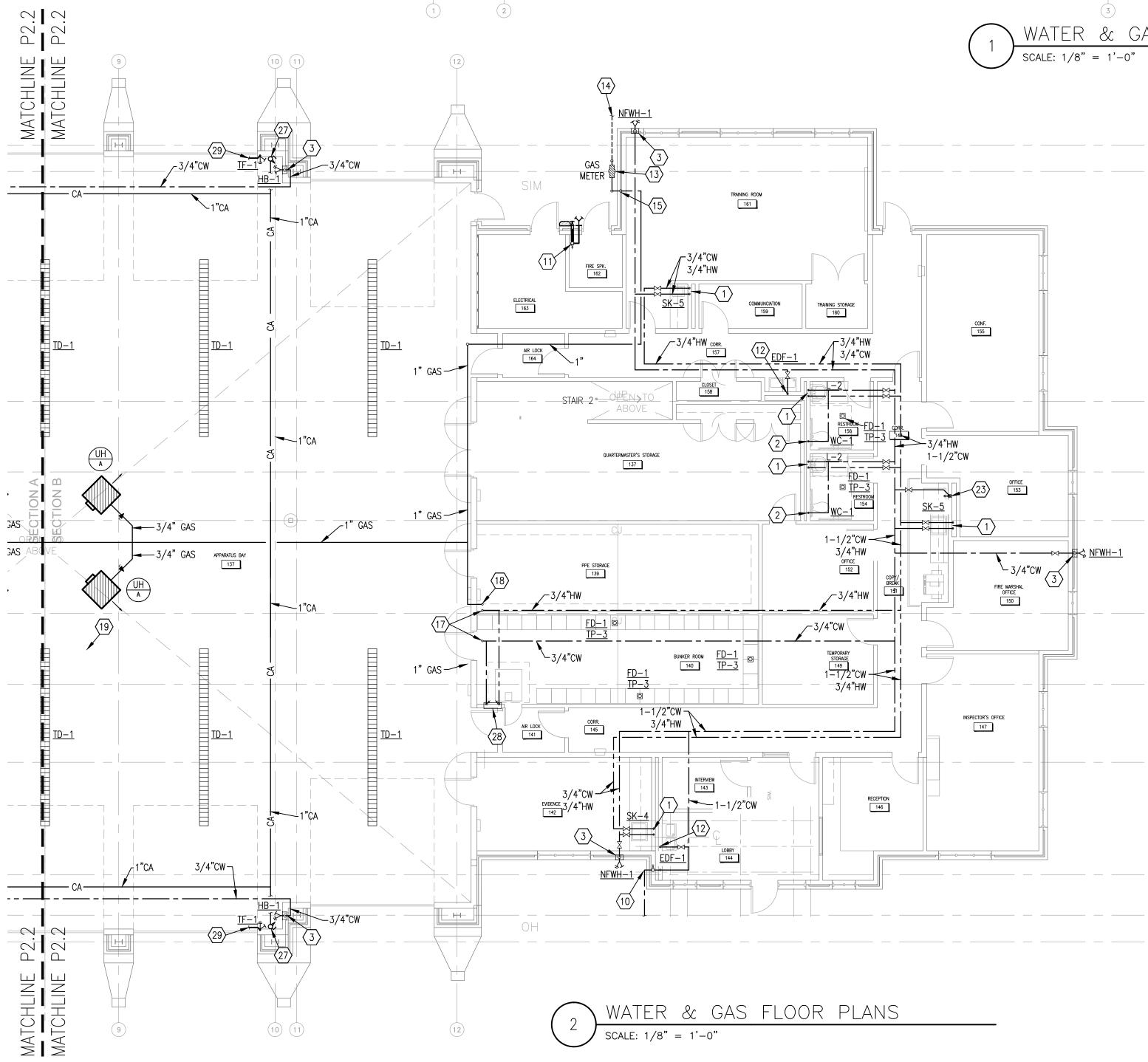


KEY NOTES:

 $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$  4" vent routed up thru floor to vent main in attic space.  $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$  2" vent up thru floor to vent main in attic space.  $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$  3" vent up thru floor to vent main in attic space







### GENERAL NOTES:

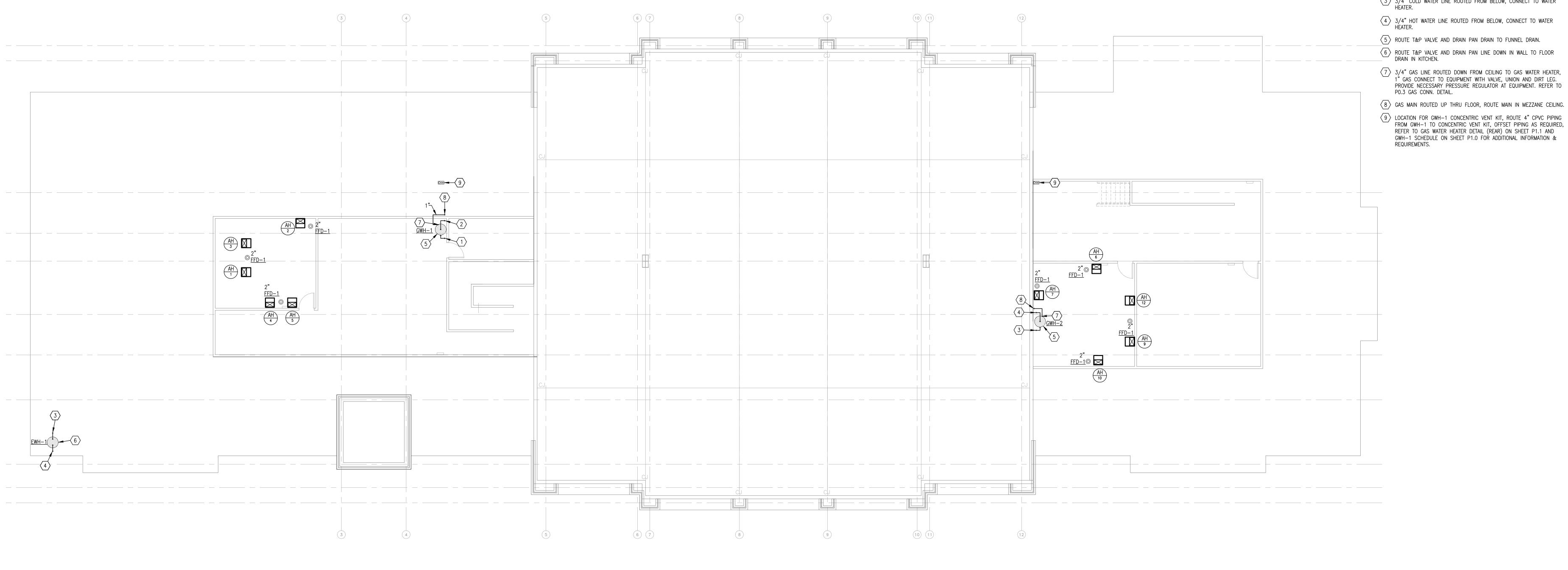
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- 4. TRAPS SEALS TO BE INSTALL IN ALL FLOOR DRAINS AND FLOOR SINKS UNLESS OTHER WISE NOTED.

### KEY NOTES:

 $\langle 1 \rangle$  3/4" COLD AND HOT WATER DOWN WITHIN WALL TO PLUMBING , FIXTURE/FIXTURES.

- $\langle 2 
  angle$  1" COLD WATER DOWN WALL TO WATER CLOSER FLUSH VALVE.
- $\langle 3 \rangle$  3/4" COLD WATER ROUTED DOWN WITHIN WALL TO WALL HYDRANT, MOUNT HYDRANT AT 36" A.F.G.
- 4 3/4" COLD AND HOT WATER DOWN WITHIN WALL TO WASHING MACHINE BOX, MOUNT BOX AT 48" A.F.F.
- 5 3/4" COLD AND HOT WATER ROUTED DOWN WALL, ROUTE COLD AND HOT WATER LINE IN WALL TO KITCHEN SINK FAUCET, ROUTE COLD WATER LINE TO ICE MAKER MACHINE.
- 6 3/4" COLD AND HOT WATER ROUTED BELOW SLAB IN 6" SLEEVE TO ISLAND SINK FAUCET.
- $\langle 7 \rangle$  3/4" COLD AND HOT WATER FROM BELOW SLAB, ROUTE LINES TO SINF
- $\langle 8 \rangle$  1–1/2" HOT WATER LINE ROUTED DOWN THRU FLOOR ABOVE.
- $\langle 9 \rangle$  1-1/2" COLD WATER LINE ROUTED UP THRU FLOOR ABOVE.
- 10 1-1/2" COLD WATER RISER, REFER TO DOMESTIC WATER RISER DETAIL ON P1.2
- $\langle 11 
  angle$  fire water riser refer to fire riser detail on P1.1
- 12 3/4" COLD WATER LINE ROUTED TO REMOTE CHILLER IN CEILING, ROUTE LINE FROM CHILLER TO DRINKING FOUNTAIN WITHIN WALL.
- (13) 1-1/4" GAS LINE TO METER FROM GAS MAIN, 5 PSI GAS METER, CONNECT GAS COMPANY FOR METER SIZE.
- $\langle 14 \rangle$  COORDINATE 1-1/4" NATURAL GAS PIPING INSTALLATION W/CPE.
- $\langle 15 \rangle$  1" GAS LINE ROUTED UP WALL TO CEILING.
- (16) 2" COLD WATER RISER, REFER TO DOMESTIC WATER RISER DETAIL ON
- $\langle 17 \rangle$  3/4" COLD AND HOT WATER ROUTE UP THRU FLOOR ABOVE TO GAS WATER HEATER.
- $\langle 18 \rangle$  3/4" GAS LINE ROUTED UP THRU FLOOR TO MEZZANINE.
- $\langle 19 \rangle$  3/4" GAS LINE ROUTED TO GAS HEATER IN BAY, REFER TO MECHANIC/ EQUIPMENT FOR EXACT LOCATION OF TIE-IN POINT, INSTALL GAS COCK GAS REGULATOR, UNION AND 6" DIP LEG.
- 20> 1" GAS TO ROUTED DOWN WALL TO GAS STOVE, CONNECT EQUIPMENT WITH VALE, UNION, REGULATOR AND 6" DIRT LEG, PROVIDE NECESSARY PRESSURE REGULATOR AT EQUIPMENT, REFER TO P1.2 GAS CONN. DETAIL.
- $\langle 21 
  angle$  1/2" gas line routed down within wall, route gas line below SLAB IN 6" SLEEVE TO GRILL.
- $\langle 22 \rangle$  1/2" GAS LINE FROM BELOW, SHALL BE INSTALLED IN ACCESSIBLE RECESSED (FLUSH W/SURFACE) BOX, WITH HINGED DOOR, PAINT TO MATCH ADJACENT FINISHED MATERIAL, CONNECT TO GAS GRILL WITH VALVE, UNION AND DIRT LEG, PROVIDE IF NECESSARY PRESSURE REGULATOR AT EQUIPMENT. REFER TO EMERGENCY SOLENOID GAS SHUT-OFF VALVE SEQUENCE OF CONTROL NOTE ON SHEET P2.2.
- $\langle 23 \rangle$  3/4" COLD WATER DOWN WITHIN WALL TO ICE MAKER BOX, MOUNT 12
- $\langle 24 \rangle$  ROUTE 3/4" COLD AND HOT WATER UP TO ATTIC TO ELECTRIC WATER HEATER.
- $\langle 25 \rangle$  3/4" GAS LINE ROUTED UP TO MEZZANINE.
- $\langle 26 \rangle$  INSTALL AIR COMPRESSOR AND PIPING, REFER TO IAR COMPRESSOR DETAIL ON P1.2.
- ROUTE 3/4" COMPRESS AIR DOWN WALL TO AIR CONNECTOR, MOUNT 48" A.F.F.
- 3/4" COLD AND HOT WATER TO WASHING MACHINE EXTRACTOR, MOUNT BOX AT 48" A.F.F.
- $\langle 29 \rangle$  ROUTE 2" FIRE LINE TO DOWN TO TRUCK FILL VALVE, MOUNTED 36" A.F.F., ROUTE FIRE LINE TO FIRE MAIN RISER.
- 30> MOUNT MRS FOR FIRE SUPPRESSION SYSTEM IN THE SAME CABINET THAT THE ANSI SYSTEM IS INSTALLED, REFER TO THE MECHANICAL KITCHEN PLANS FOR ADDITIONAL INFORMATION.





) SECOND WATER & GAS FLOOR PLANS SCALE: 1/8" = 1'-0"  $\smile$ 

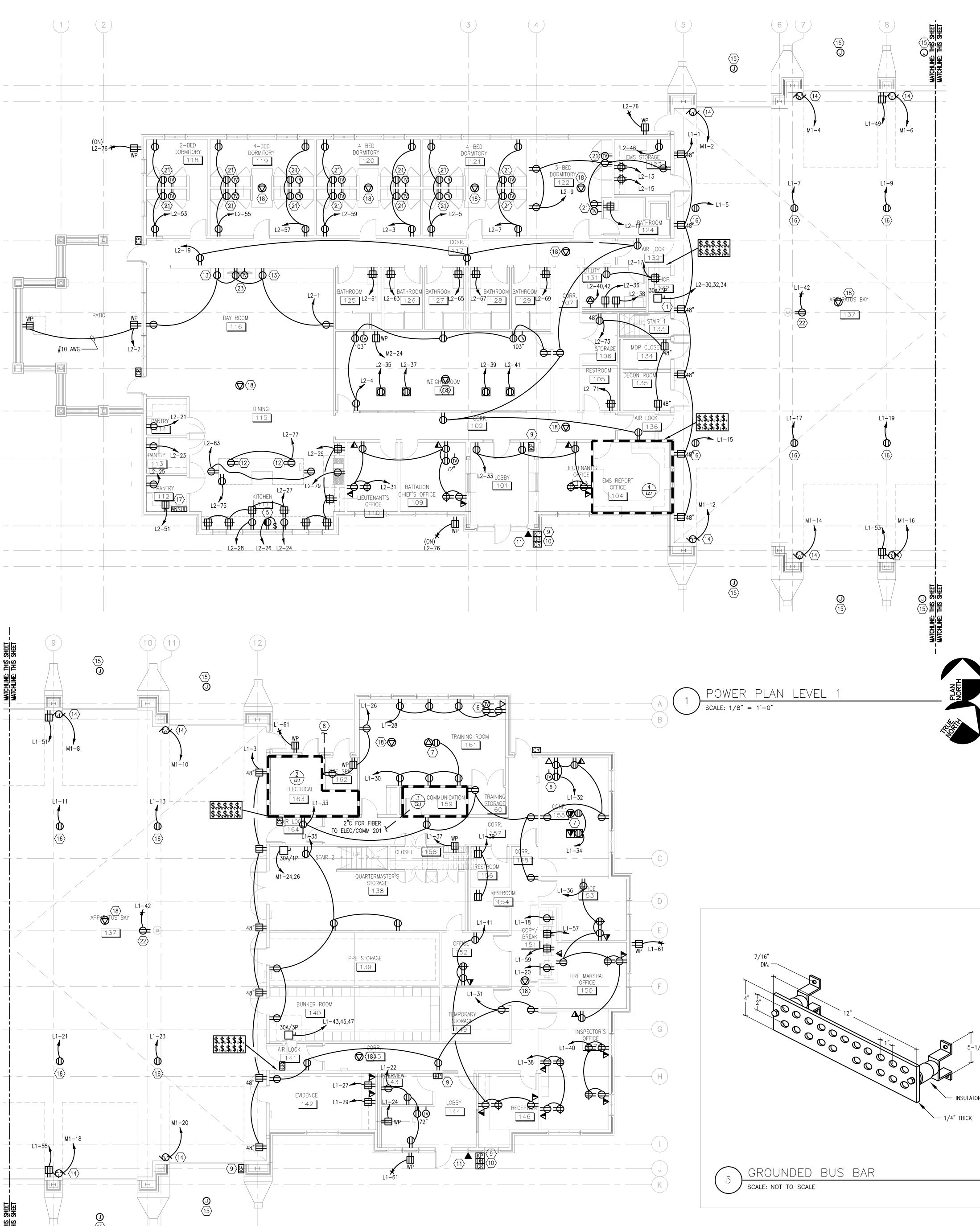


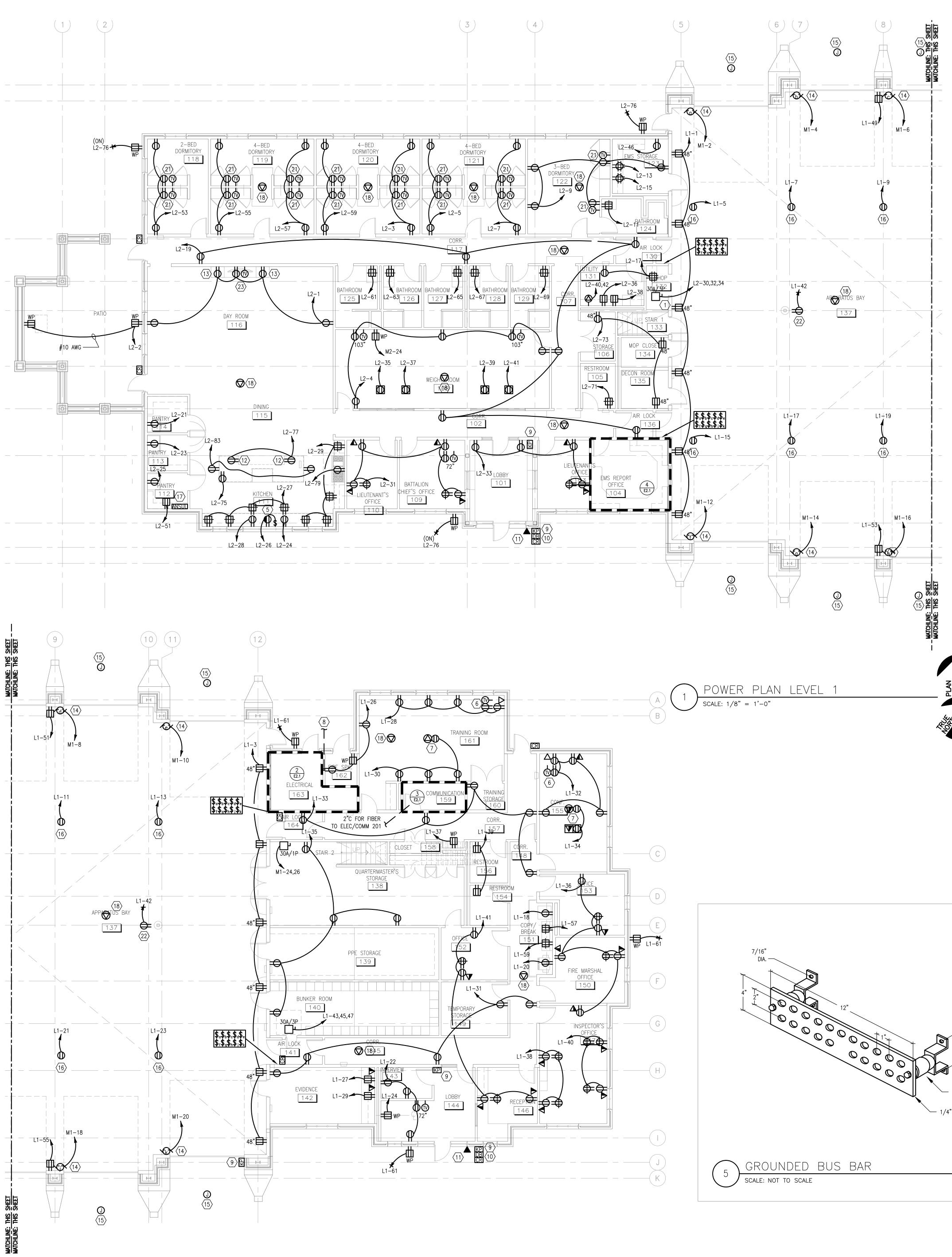
- 1. ALL HORIZONTAL PIPING IN APPARATUS BAY SHALL BE PROVIDED WITH HEAT-TRACE FREEZE PROTECTION AND COORDINATE W/ELECTRICAL.
- 2. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITION SIZES AND PIPE ROUTING.
- CONCEAL ALL PIPING WITHIN WALLS OF APPARATUS BAYS AND PROVIDE PIPE INSULATION ON ALL PLUMBING VERTICAL DROPS IN BAY, NO EXPOSED PIPING, CONDUIT, ETC. IN APPARATUS BAYS.
- 4. TRAPS SEALS TO BE INSTALL IN ALL FLOOR DRAINS AND FLOOR SINKS UNLESS OTHER WISE NOTED.

## KEY NOTES:

- 1 1/4" COLD WATER LINE ROUTED FROM BELOW, CONNECT TO GAS ELECTRIC WATER HEATER.
- 2 1–1/4" HOT WATER LINE ROUTED FROM BELOW, CONNECT TO GAS WATER HEATER.
- 3/4" COLD WATER LINE ROUTED FROM BELOW, CONNECT TO WATER HEATER.
- $\langle 4 \rangle$  3/4" HOT WATER LINE ROUTED FROM BELOW, CONNECT TO WATER HEATER.
- $\overline{(5)}$  ROUTE T&P VALVE AND DRAIN PAN DRAIN TO FUNNEL DRAIN.
- 6 ROUTE T&P VALVE AND DRAIN PAN LINE DOWN IN WALL TO FLOOR DRAIN IN KITCHEN.
- 3/4" GAS LINE ROUTED DOWN FROM CEILING TO GAS WATER HEATER, 1" GAS CONNECT TO EQUIPMENT WITH VALVE, UNION AND DIRT LEG. PROVIDE NECESSARY PRESSURE REGULATOR AT EQUIPMENT. REFER TO P0.3 GAS CONN. DETAIL.
- 9 LOCATION FOR GWH-1 CONCENTRIC VENT KIT, ROUTE 4" CPVC PIPING FROM GWH-1 TO CONCENTRIC VENT KIT, OFFSET PIPING AS REQUIRED, REFER TO GAS WATER HEATER DETAIL (REAR) ON SHEET P1.1 AND GWH-1 SCHEDULE ON SHEET P1.0 FOR ADDITIONAL INFORMATION & REQUIREMENTS.





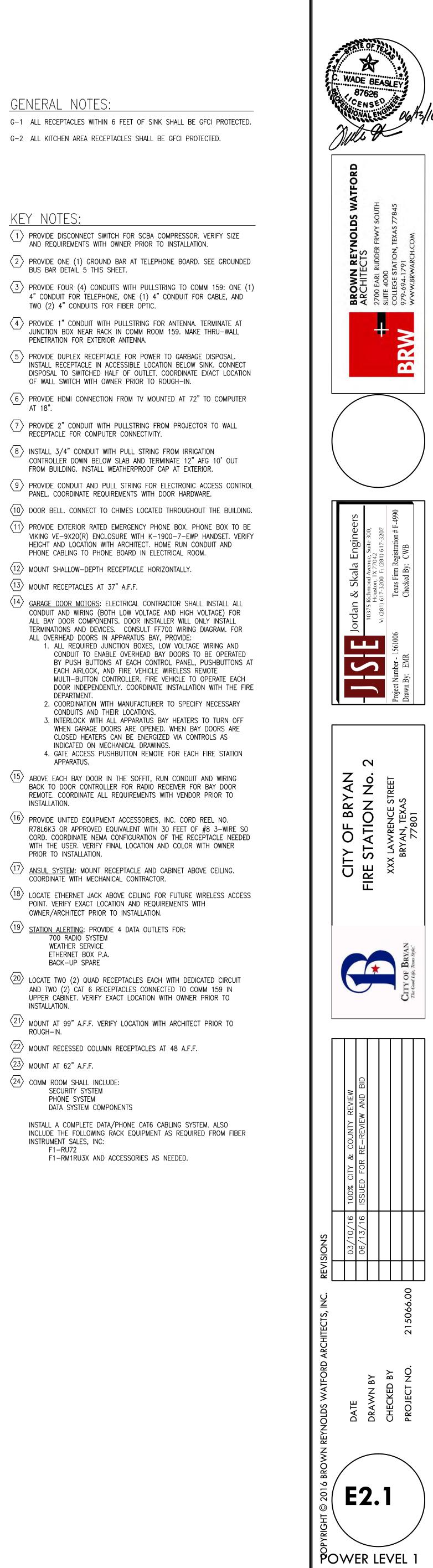


### GENERAL NOTES:

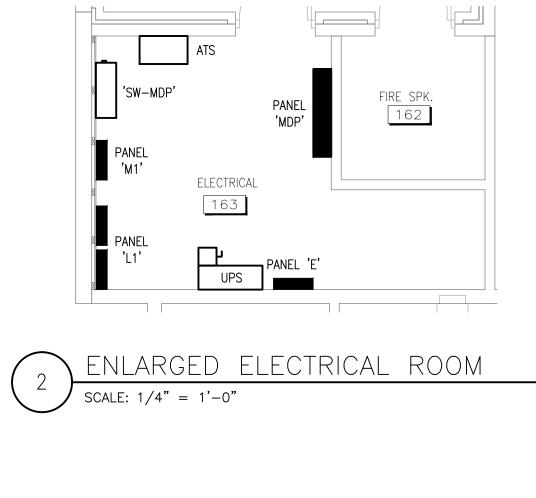
### KEY NOTES:

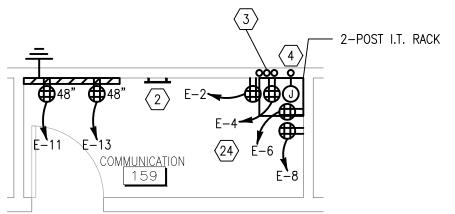
- $\langle 8 \rangle$  INSTALL 3/4" CONDUIT WITH PULL STRING FROM IRRIGATION

- $\langle 12 \rangle$  MOUNT SHALLOW-DEPTH RECEPTACLE HORIZONTALLY.
- $\langle 13 \rangle$  mount receptacles at 37" a.f.f.



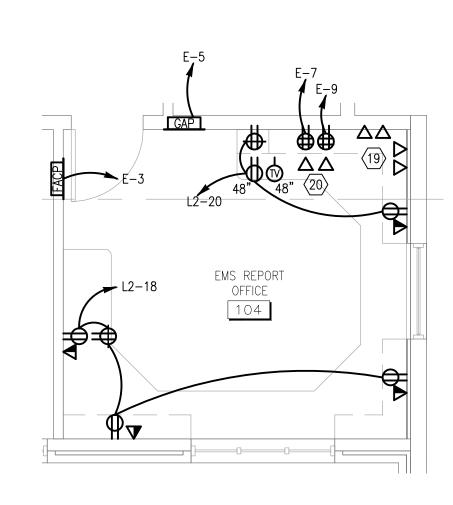
- 23 MOUNT AT 62" A.F.F.



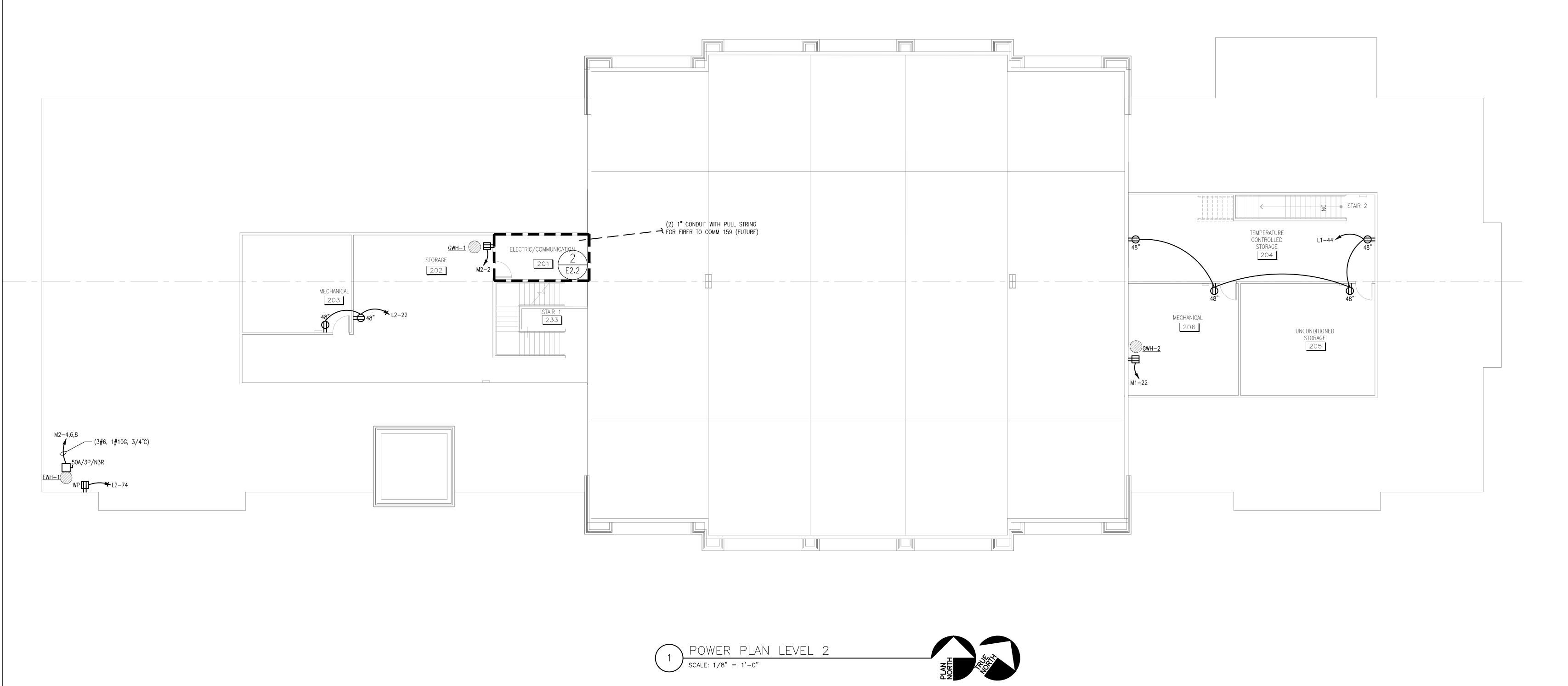


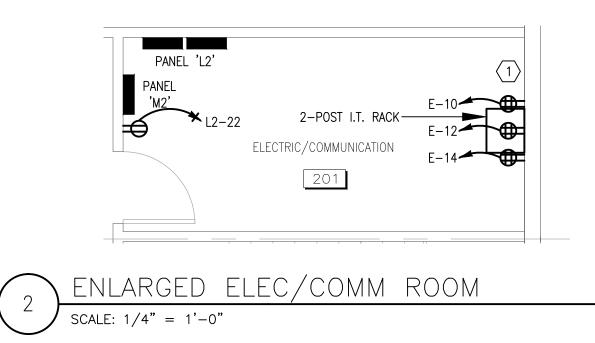
ENLARGED COMMUNICATION ROOM SCALE: 1/4" = 1'-0"

5-1/8"



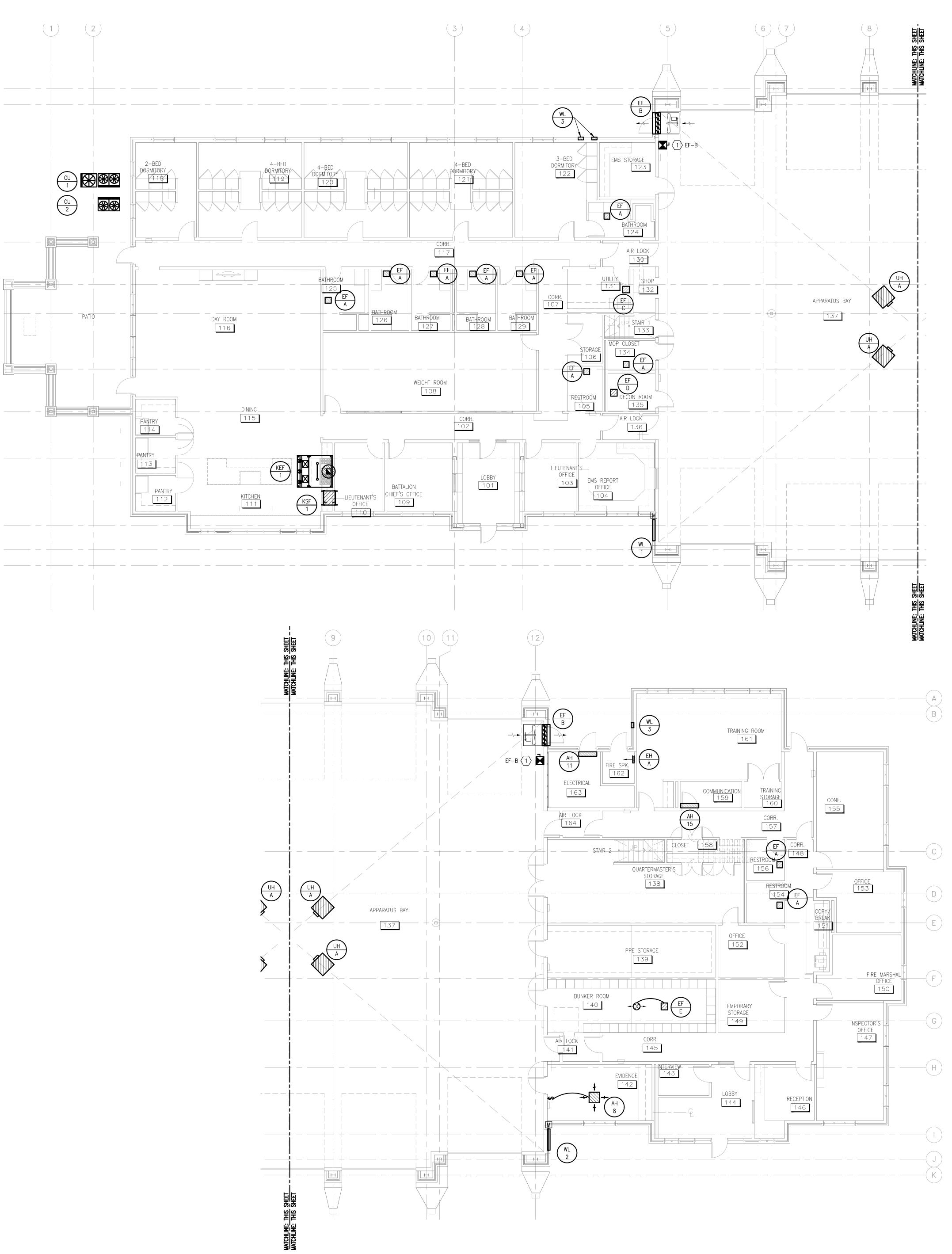
ENLARGED EMS REPORT OFFICE  $\int \text{SCALE: } 1/4" = 1'-0"$ 

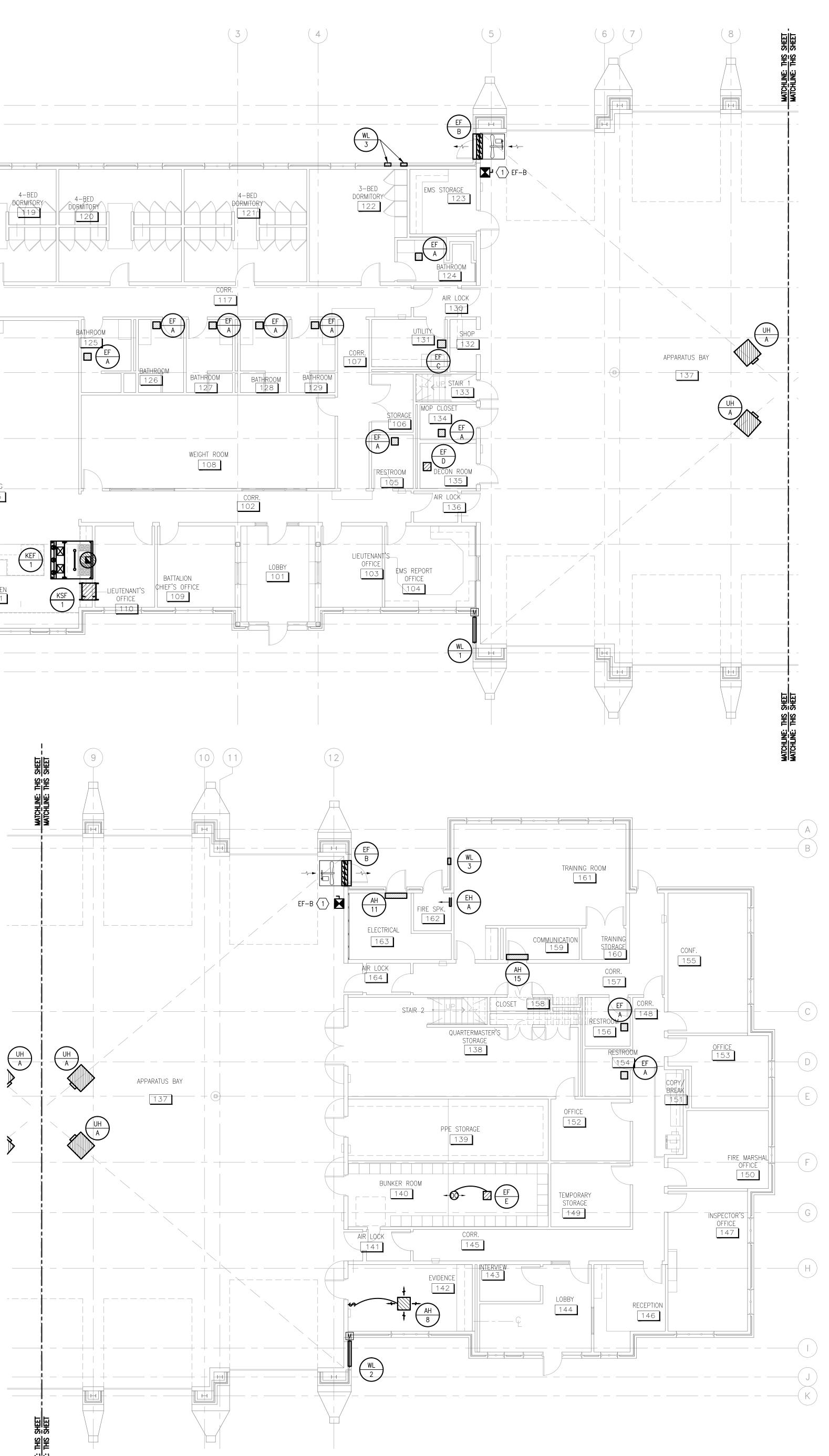


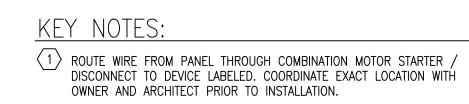


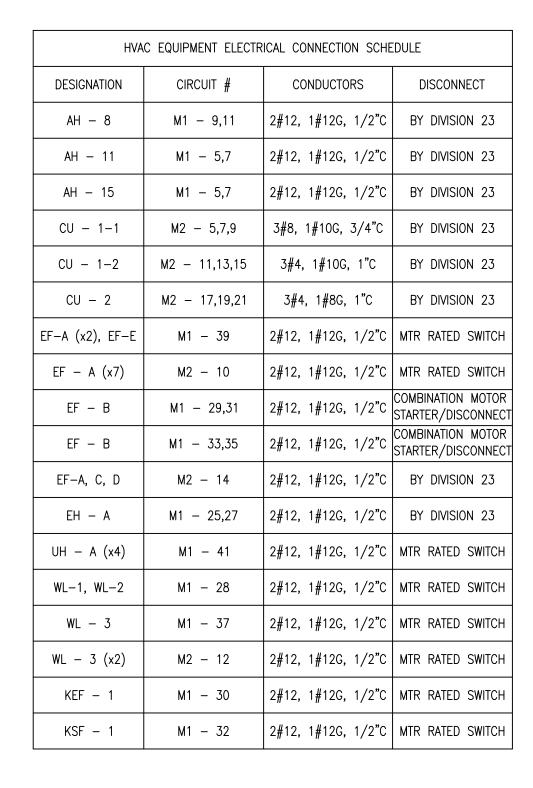
KEY NOTES: (1) COMM ROOM SHALL INCLUDE: ALERTING SYSTEM



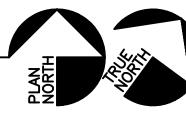




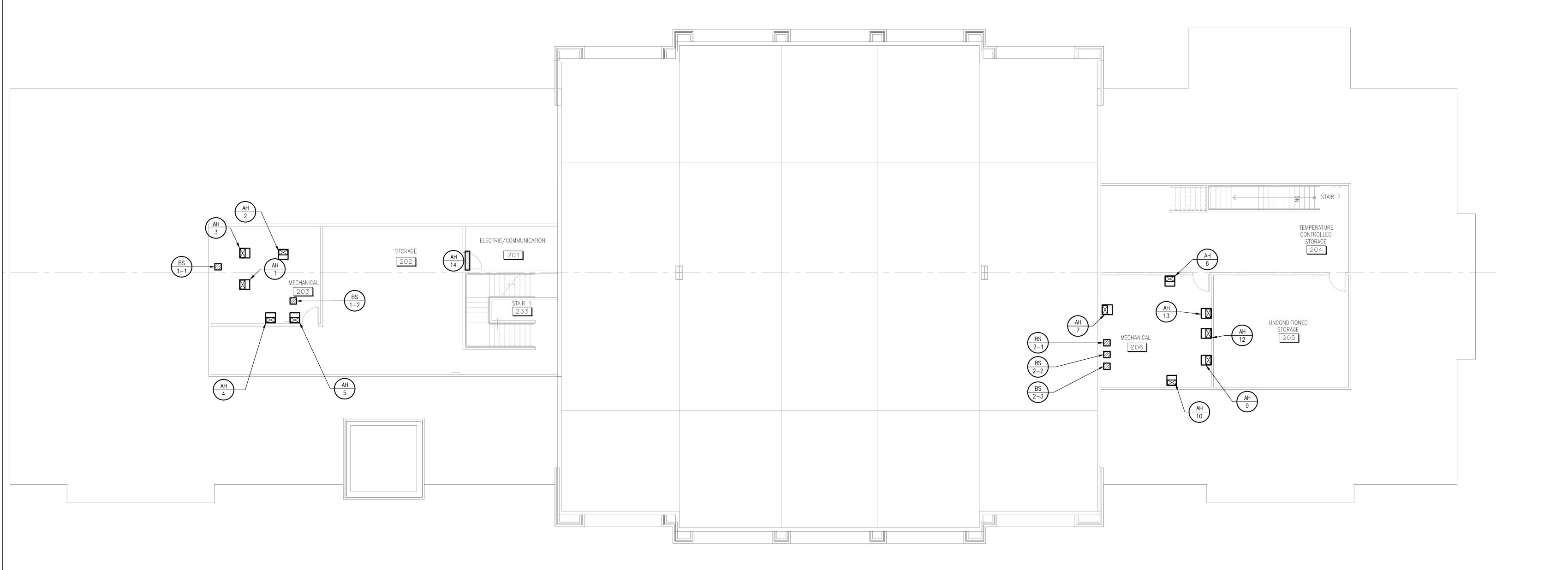


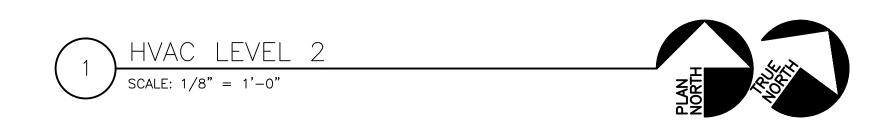






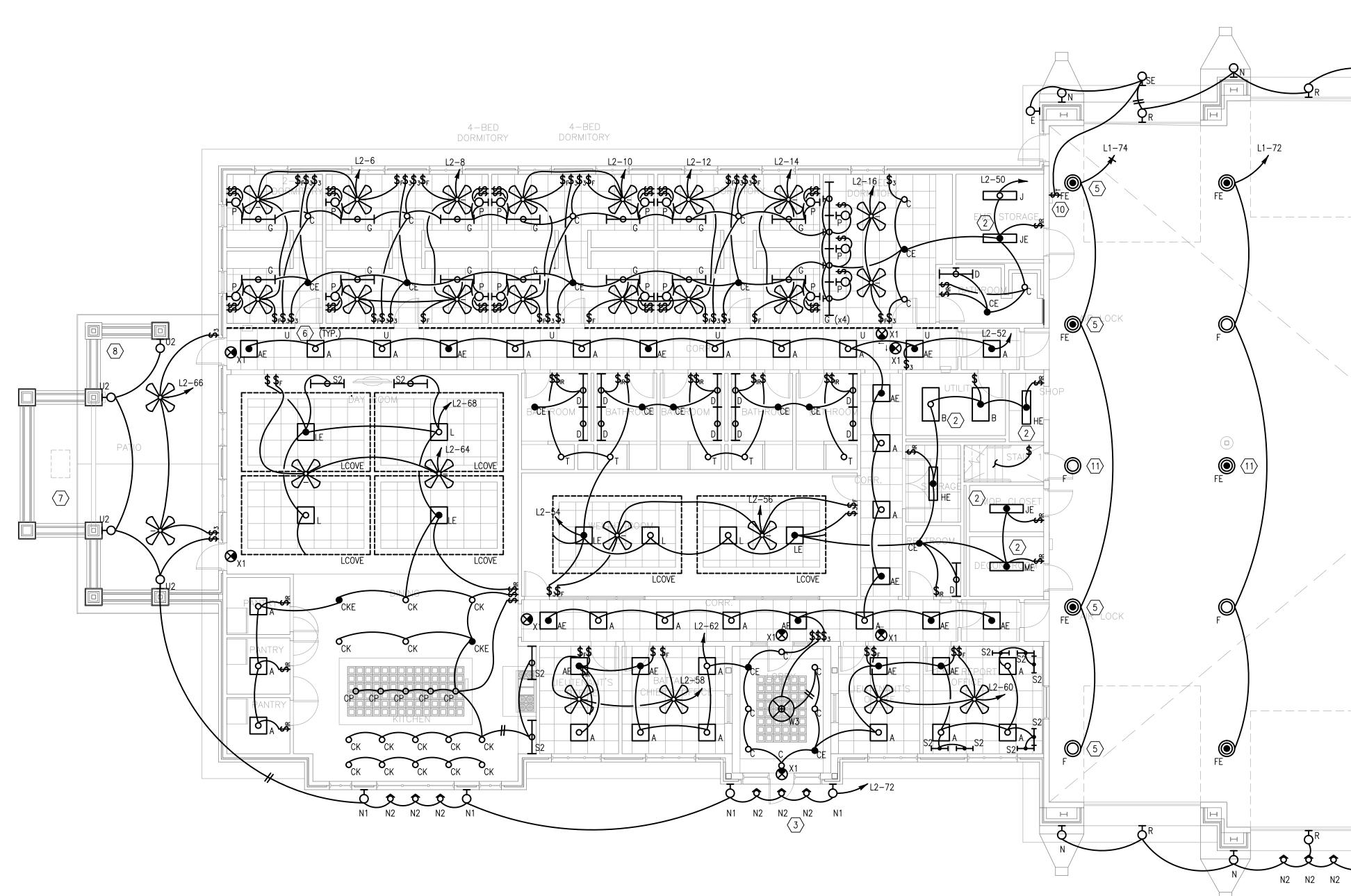


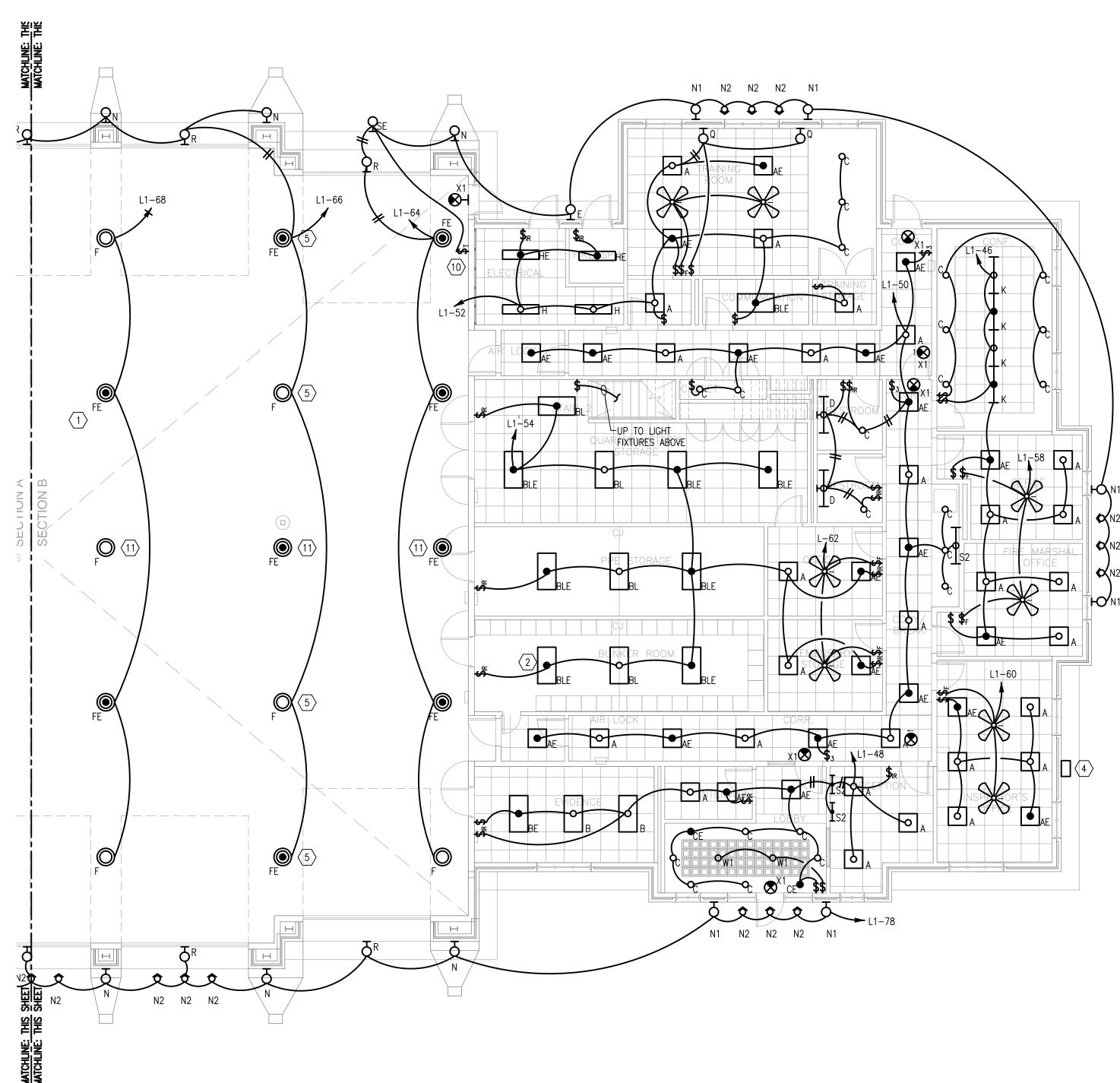


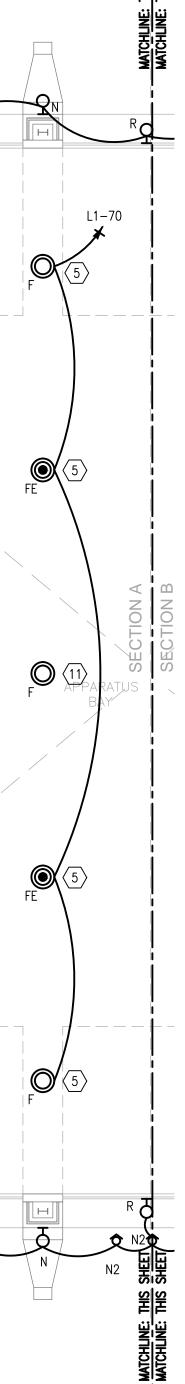


HV	AC EQUIPMENT ELECTR	RICAL CONNECTION SCHE	DULE
DESIGNATION	CIRCUIT #	CONDUCTORS	DISCONNECT
AH — 1	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH – 2	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 3	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH – 4	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 5	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 6	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 7	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 9	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 10	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 12	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 13	M1 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
AH — 14	M2 - 1,3	2#12, 1#12G, 1/2"C	BY DIVISION 23
BS 1-1	M2 - 16,18	2#12, 1#12G, 1/2"C	BY DIVISION 23
BS 1-2	M2 - 20,22	2#12, 1#12G, 1/2"C	BY DIVISION 23
BS 2-1	M1 - 13,15	2#12, 1#12G, 1/2"C	BY DIVISION 23
BS 2-2	M1 - 17,19	2#12, 1#12G, 1/2"C	BY DIVISION 23
BS 2-3	M1 - 21,23	2#12, 1#12G, 1/2"C	BY DIVISION 23









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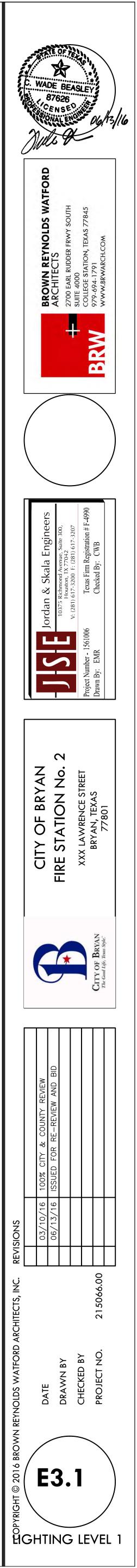
- G−1 REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.1.
   G−2 ALL EMERGENCY LIGHTS ( , , , , ) SHALL BE CONNECTED TO THE UNSWITCHED PHASE CONDUCTOR OF THE CIRCUIT SERVING THE
- RESPECTIVE AREA. G–3 ALL FANS ARE CONTROLLED BY 3–SPEED CONTROL (MARKED WITH AN "F") FOR HIGH, MEDIUM AND LOW SPEEDS. RHEOSTATS ARE NOT
- ALLOWED. G-4 INSTALL SWITCHES THAT ARE GROUNDED TOGETHER ON A SINGLE FACE
- PLATE. G-5 REFER TO MECHANICAL PLANS FOR EXHAUST FAN CONTROL.
- G-6 LOWER CASE LETTERS DESIGNATE SWITCH CONTROL.
- G-7 NO EXPOSED CONDUIT IN APPARATUS BAYS. ALL DEVICES RECESS OR FLUSH MOUNTED.
- G-8 REFER TO ARCHITECTURAL PLANS FOR FIXTURE MOUNTING.

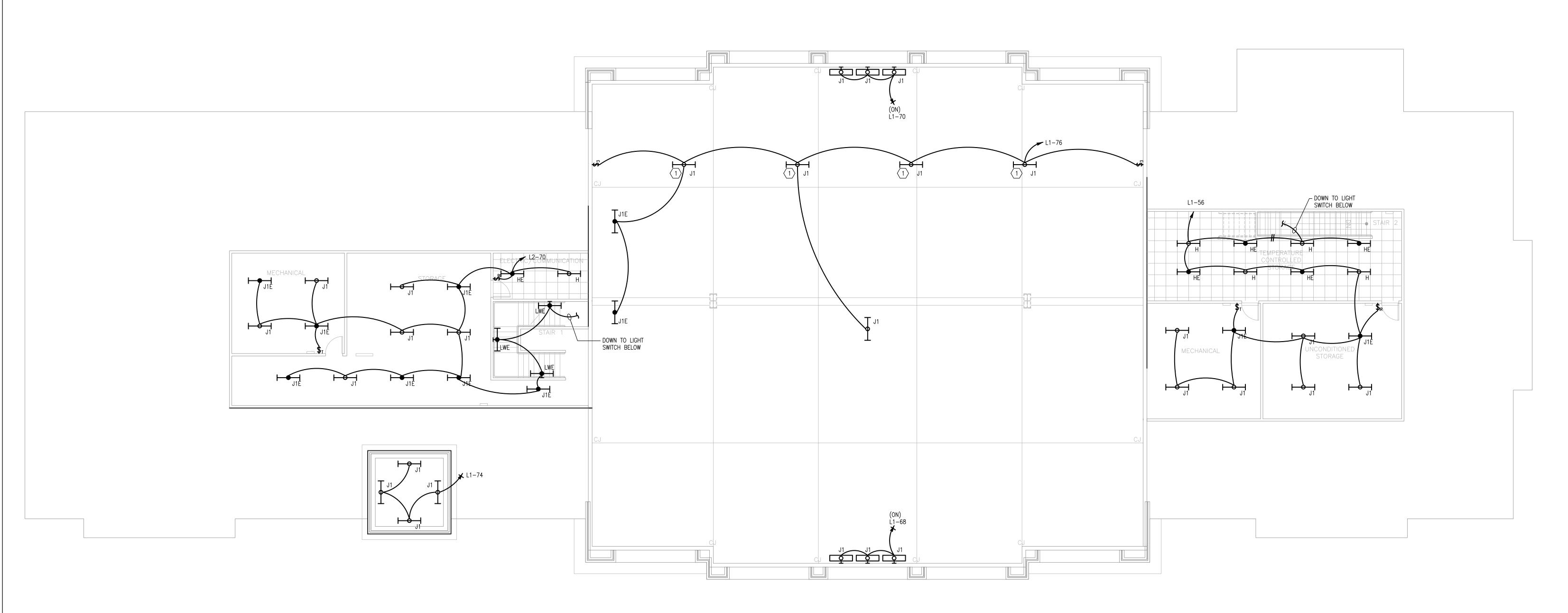
### KEY NOTES:

- (1) MOUNT LIGHT FIXTURES TIGHT TO STRUCTURE IN THIS ROOM.
- MOUNT LIGHT FIXTURES FLUSH TO CEILING IN THIS AREA.
   INSTALL WEATHERPROOF RECESSED JUNCTION BOX FOR ILLUMINATED SIGNAGE. CONTROL CIRCUIT VIA PHOTOCELL WITH
- OTHER SITE LIGHTING. VERIFY MOUNTING HEIGHT WITH ARCHITECT. WALL-MOUNTED PHOTOCELL 12" BELOW OVERHANG. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR
- TO INSTALLATION. (5) FIXTURES CONTROLLED NORMALLY BY WALL-MOUNTED SWITCHES AND ALSO BY ALERTING SYSTEM 3-MINUTE TIMER. ALERTING SYSTEM SHALL OVERRIDE WALL SWITCH.
- 6 LED TAPE FOR STEP LIGHTING MARKED "U" TO BE CONNECTED TO CIRCUIT L2-47 AND CONTROLLED VIA SINGLE EXTERIOR PHOTOCELL WITH ALL OTHER SITE LIGHTING. VERIFY
- EXACT LOCATIONS WITH ARCHITECT. (7) LIGHTING SHALL BE CIRCUITED WITH #10 AWG FOR VOLTAGE DROP COMPENSATION.
- 8 INSTALL CONDUCTORS THROUGH (INSIDE) STRUCTURAL STEEL MEMBERS. EXPOSED CONDUIT SHALL NOT BE PERMITTED. COORDINATE WITH STEEL FABRICATOR.
- 9 FIXTURES DESIGNATED AS "KV" ARE ONLY TO BE CONTROLLED THROUGH ALERTING SYSTEM. CONSULT LIGHTING FIXTURE SCHEDULE ON SHEET E0.1 FOR ORDERING INFORMATION.
- (10) TWO-HOUR WALL-MOUNTED TIMER DIAL SWITCH FOR BUILDING-MOUNTED TASK LIGHTING.
- $\langle 11 \rangle$  Control Central Bay Lights via Photocell.











### <u>GENERAL NOTES:</u>

G-2	ALL EMERGENCY LIGHTS (
G-3	ALL FANS ARE CONTROLLED BY 3–SPEED COI "F") FOR HIGH, MEDIUM AND LOW SPEEDS. RI ALLOWED.
G-4	INSTALL SWITCHES THAT ARE GROUNDED TOGE PLATE.
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- G-6 LOWER CASE LETTERS DESIGNATE SWITCH CONTROL.
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KEY NOTES:

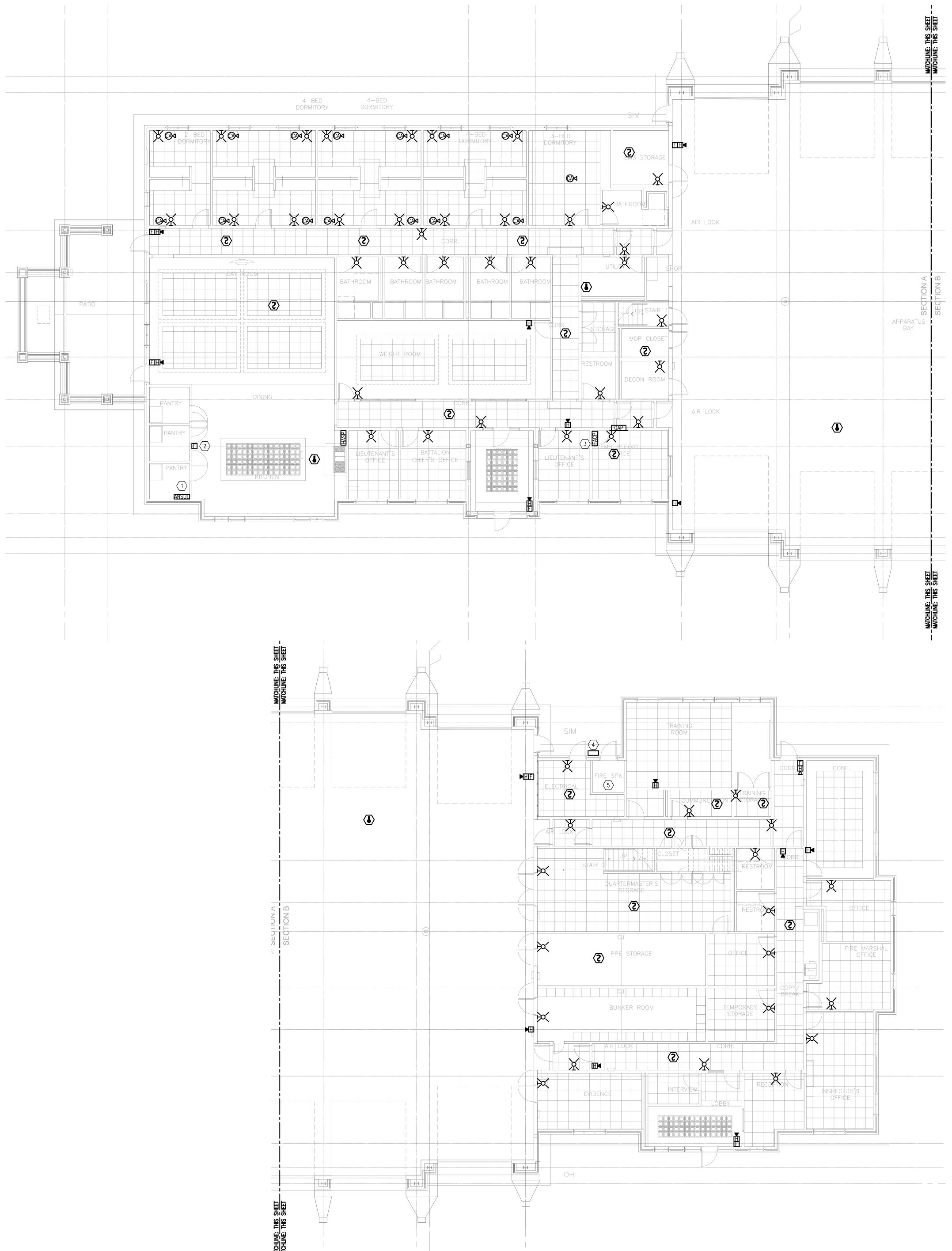
 $\langle 1 \rangle$  mount light fixtures tight to structure in this room.

G-1 REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.1. ALL BE CONNECTED TO THE RCUIT SERVING THE

CONTROL (MARKED WITH AN RHEOSTATS ARE NOT

GETHER ON A SINGLE FACE FAN CONTROL.







### GENERAL NOTES:

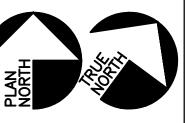
- G-1 COORDINATE MOUNTING HARDWARE WITH CEILING AND SURFACE TYPES AT EACH LOCATION PRIOR TO ORDERING ANY EQUIPMENT.
- G-2 COLOR OF ALL DEVICES SHALL BE WHITE, NOT RED.
- G-3 PHONE SYSTEM SHALL BE VOIP AS PRIMARY.

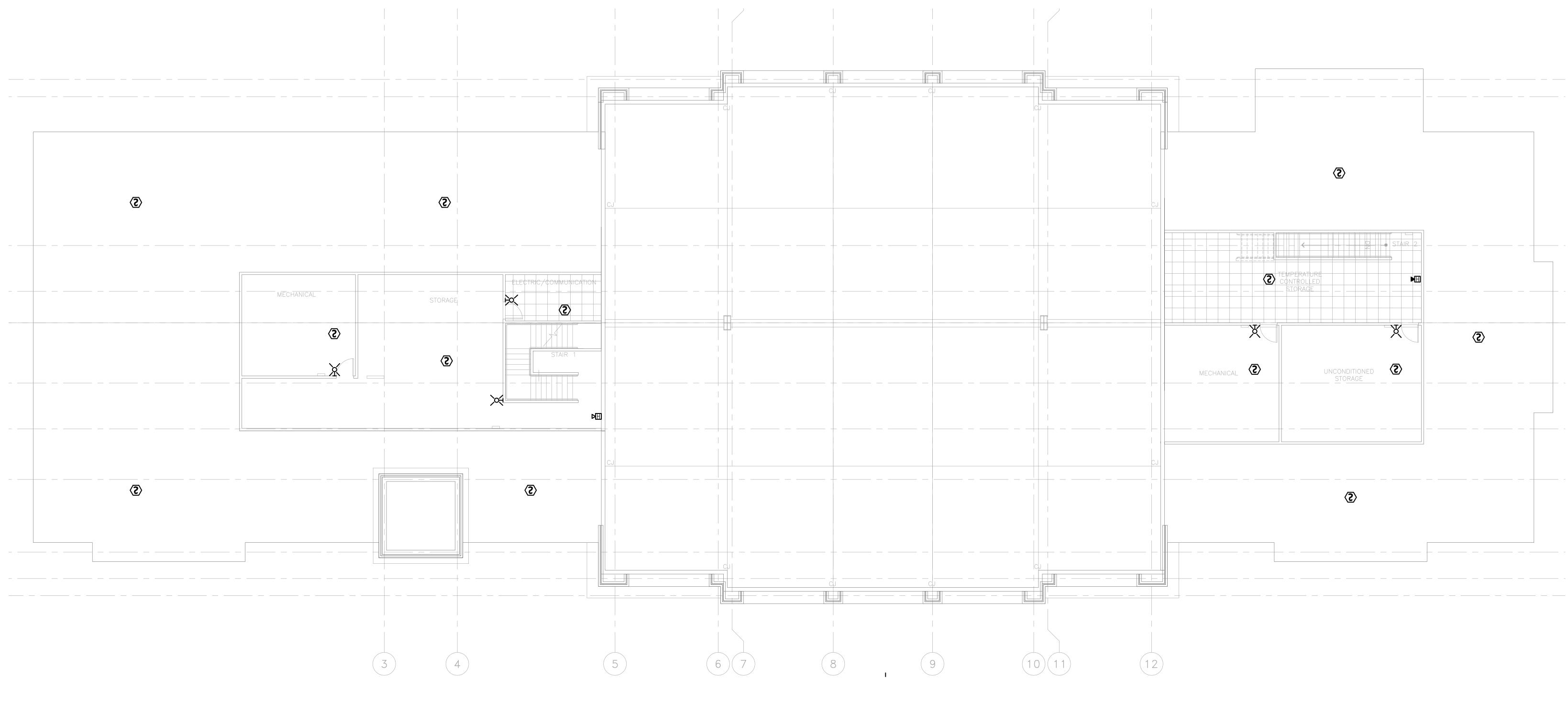
### KEY NOTES:

- 1 LOCATE HOOD ANSUL SYSTEM AND PANEL ABOVE CEILING IN PANTRY 112. COORDINATE WITH MECHANICAL CONTRACTOR.
- 2 LOCATE RECESSED PULL HASP FOR HOOD ANSUL SYSTEM. VERIFY EXACT POSITION WITH OWNER.
- 3 FIRE ALARM CONTROL PANEL SHALL BE RECESS-MOUNTED IN ROOM 104, ADDRESSABLE SILENT KNIGHT INTELLIKNIGHT 5808.
- 4 MOTOR GONG: COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT AND SPRINKLER CONTRACTOR.
- 5 COORDINATE LOCATION OF FLOW AND TAMPER SWITCHES WITH FIRE PROTECTION VENDOR.





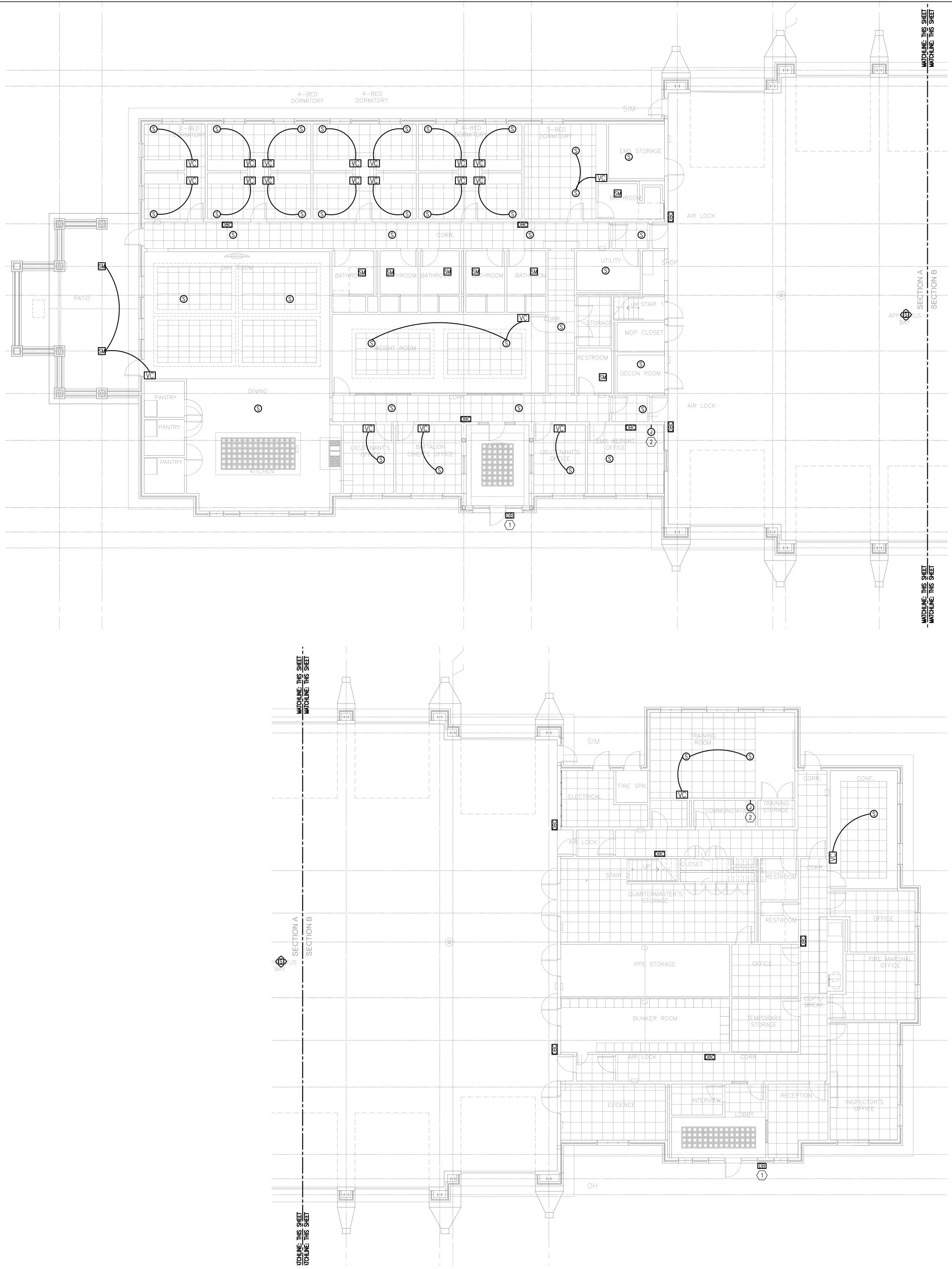


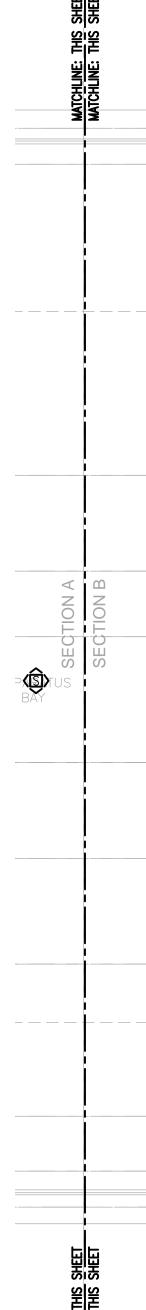


 1
 FIRE ALARM LEVEL 2

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







GENERAL NOTES:

- G-1 NO EXPOSED CONDUIT IN APPARATUS BAYS, ALL DEVICES FLUSH OR RECESSED MOUNTED. G-2 CONTRACTOR SHALL INCLUDE THE COMPLETE AND FUNCTIONAL ALERTING SYSTEM IN ITS ENTIRETY. CONTRACTOR
- IS RESPONSIBLE FOR INSTALLATION AND TESTING OF ALL DEVICES WITHIN THIS DRAWING AND THE SPECIFICATIONS. G-3 ALL EXTERIOR SPEAKERS SHALL BE CONTROLLED THROUGH A 24-HOUR ASTROLOGICAL TIME CLOCK. TIMER, BATTERY AND TRANSFORMER SHALL BE EQUAL TO ALTRONIX: PT724AE, LB2032, AND TP1220.
- G-4 MOUNT ALL WALL-MOUNTED VOLUME CONTROLS NEAR LIGHT SWITCH.
- G–5 PROVIDE SPACE IN ALERTING RELAY PANEL FOR TRAFFIC CONTROL.
- G-6 PROVIDE SPACE IN ALERTING RELAY PANEL FOR FUTURE
- CAMERA(S) CONTROL. G-7 CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO INSTALLATION.
- G-8 CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING DEVICES, TRANSFORMERS, GRILLS, BACK BOXES, CONDUIT, WIRE, ETC. FOR A COMPLETE AND FUNCTIONAL SYSTEM. CONDUIT SHALL BE INSTALLED ABOVE ALL AREAS WITH GYP CEILINGS
- G-9 CONTRACTORS PRICING SHALL INCLUDE THE COMPLETE AND FUNCTIONAL ALERTING SYSTEM, WHICH SHALL INCLUDE, BUT NOT LIMITED TO ALL ITEMS WITHIN ALERTING LEGEND SHOWN WITHIN THIS SHEET, ALERTING SYSTEM, CABLE HANGERS, CABLING, TRANSFORMERS, RACK AND ALL PROCESSING EQUIPMENT, TIME CLOCKS, LABOR AND MATERIALS, WARRANTY, TRIP CHARGES, MISCELLANEOUS MOUNTING DEVICES, ETC.
- G–10 ROUTING OF CABLING SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, USING CABLE HANGERS THROUGHOUT CEILING SPACES AND BUNDLED NEATLY, MAKING EVERY EFFORT TO INSTALL AWAY FROM 120V OR HIGHER ELECTRICAL RUNS TO ELIMINATE THE POSSIBILITY OF FEEDBACK OR NOISE IN THE SPEAKER SYSTEM. THE SYSTEM SHALL BE INSPECTED BY FIRE DEPARTMENT AND ARCHITECT FOR CLARITY AND INTELLIGIBILITY ONCE COMPLETED. BAY SPEAKER AND EXTERIOR SPEAKERS SHALL BE SET AT 85 db AT 6 FT A.F.F. AND ALL LIVING SPACE SPEAKERS SHALL BE SET AT 75 db AT 6 FT A.F.F.
- G-11 INSTALLATION: CONCEAL ALL ACCESSORIES IN WALLS OR MOUNTING RACKS. EXPOSED SHALL NOT BE ACCEPTABLE. INSTALL EQUIPMENT ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

## ALERTING LEGEND:

SM	SPEAKER – MOISTURE RESISTANT RECESSED IN CEILING QUAM: 8C10PAOT-M AND REQUIRED ACCE
S	SPEAKER – RECESSED IN CEILING ATLAST SD72, 8" DUAL CONE WITH TRANS (GYP CEILINGS= ATLAS CS95–8 BACK B (CEILING TILES= 81–8R ROUND HOLE T-
< <u>(</u>	SPEAKER PENDANT KDM ELECTRONICS: OCTASOUND MODEL #S
VC	VOLUME CONTROL – (RECESS WALL MOUNTED) ATLAS: AT10
DBO	DOOR BELL CHIME
	ITEMS NOT SHOWN, BUT SHALL BE COMPLETELY ROOM 201 AND THROUGHOUT BUILDING: * SPEAKER CABLING (16-4 SHIELDED, PL REMEE PRODUCTS - PT # 725163. COMMUNICATION ROOM 201 AND TE ZONES LISTED BELOW * AMP - ATLAS #AA120 WITH 6 INPUTS * WOOFER AND NEODYMIUM TWEETER * RACKMOUNT VOLUME CONTROLS -

- ATLAS: AT PLATE–052 (1) ATLAS: AT 100-RM ATTENUATOR (6)
- \* 2 POST FLOOR MOUNTED RACK WITH FLOOR MOUNTING KIT RACKMOUNT SOLUTIONS: #445519

KEY NOTES:

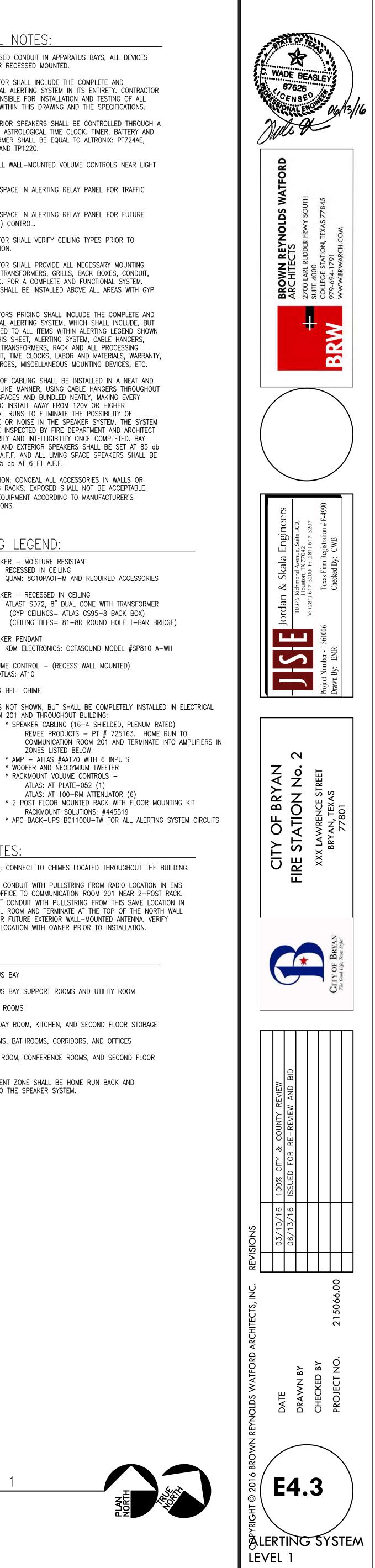
(1) DOORBELL: CONNECT TO CHIMES LOCATED THROUGHOUT THE BUILDING. 2 ROUTE 1" CONDUIT WITH PULLSTRING FROM RADIO LOCATION IN EMS REPORT OFFICE TO COMMUNICATION ROOM 201 NEAR 2-POST RACK. INSTALL 1" CONDUIT WITH PULLSTRING FROM THIS SAME LOCATION IN ELECTRICAL ROOM AND TERMINATE AT THE TOP OF THE NORTH WALL THERE FOR FUTURE EXTERIOR WALL-MOUNTED ANTENNA. VERIFY ANTENNA LOCATION WITH OWNER PRIOR TO INSTALLATION.

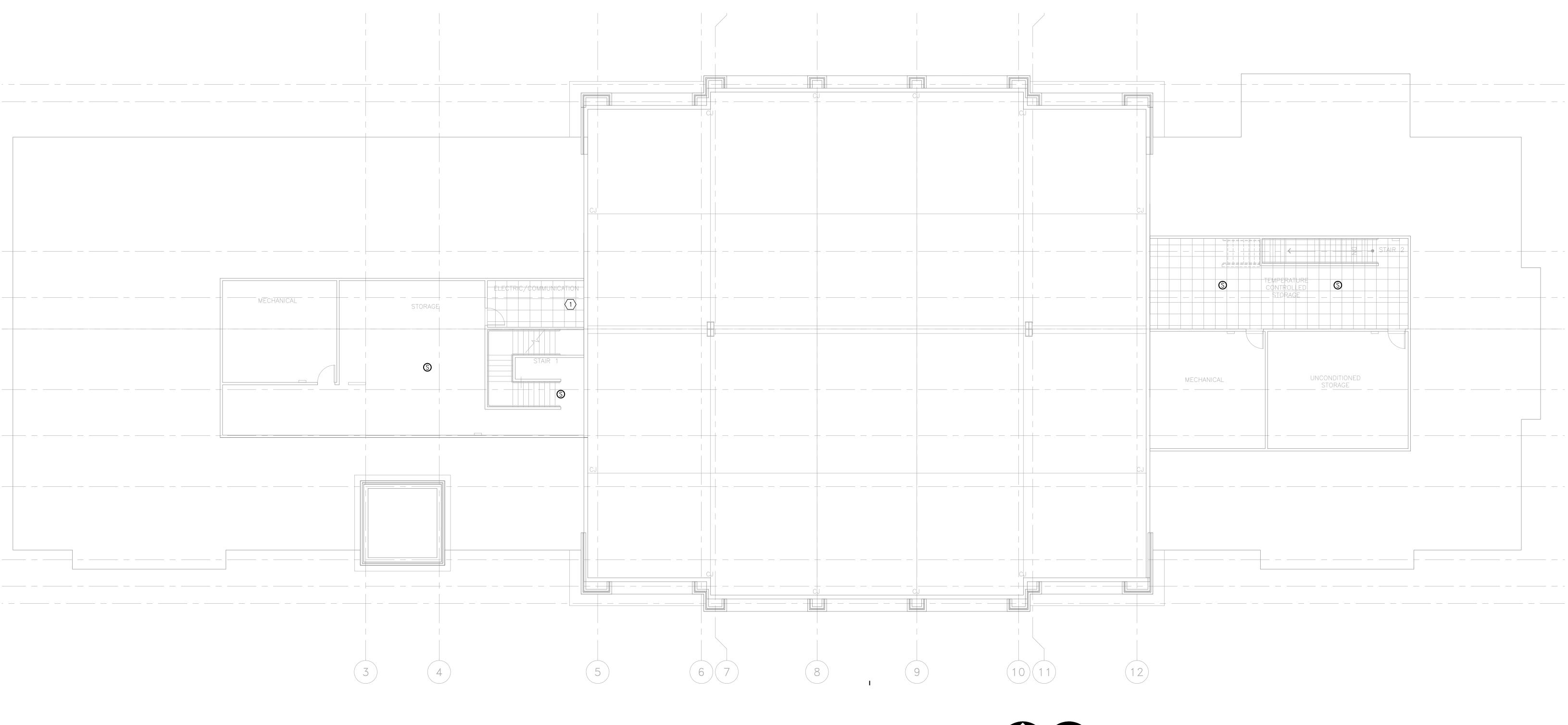
ZONES:

- A. APPARATUS BAY
- B. APPARATUS BAY SUPPORT ROOMS AND UTILITY ROOM
- C. SLEEPING ROOMS
- D. WEIGHT, DAY ROOM, KITCHEN, AND SECOND FLOOR STORAGE
- E. RESTROOMS, BATHROOMS, CORRIDORS, AND OFFICES F. TRAINING ROOM, CONFERENCE ROOMS, AND SECOND FLOOR STORAGE

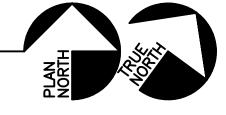
EACH INDEPENDENT ZONE SHALL BE HOME RUN BACK AND TERMINATED INTO THE SPEAKER SYSTEM.







 $1 \qquad ALERTING SYSTEM LEVEL 2 \\ SCALE: 1/8" = 1'-0"$ 



KEY NOTES: (1) ALERTING SYSTEM SHALL BE INSTALLED WITH RACK LOCATED IN COMM ROOM 201. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.

