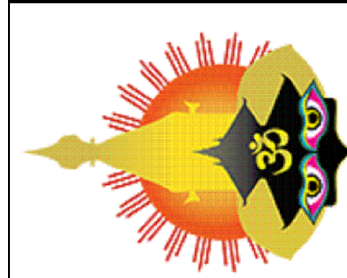
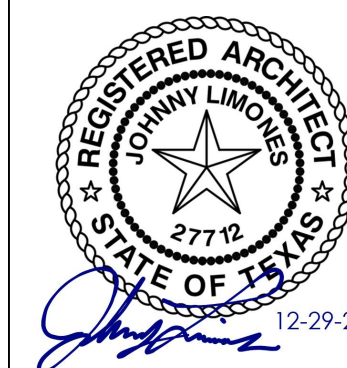


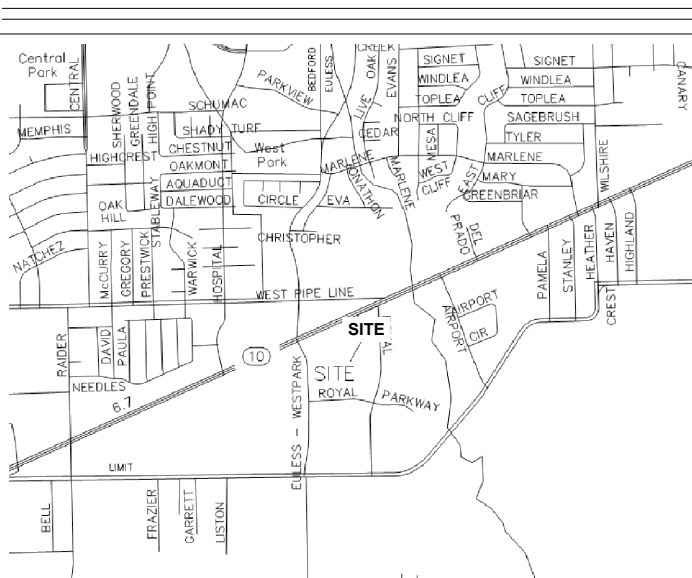
CJR DESIGNS
& DEVELOPMENT, LLC
214-675-9175
DANIEL@DP-DESIGNS.CO



NEPALI CULTURAL AND SPIRITUAL CENTER

1212 ROYAL PARKWAY
EULESS, TEXAS 76040

VICINITY MAP NOT TO SCALE



CODES AND STANDARDS

- THE FOLLOWING CRITERIA HAS BEEN USED IN THE PREPARATION OF THESE DOCUMENTS.
TEXAS ACCESSIBILITY STANDARDS (TAS) MARCH 15, 2012 (TEXAS CIVIL STATUTES, ARTICLE 9102)
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES. PROJECT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING LIST:

BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE
MECHANICAL CODE: 2015 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE: 2014 NATIONAL ELECTRIC CODE (NEC)
PLUMBING CODE: 2015 INTERNATIONAL PLUMBING CODE
ENERGY CODE: 2015 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE: 2009 INTERNATIONAL FIRE CODE
CITY OF EULESS ADOPTED CODE AMENDMENTS

DRAWING SYMBOLS

ENTRY	ROOM NAME
101	ROOM NUMBER
D1	DOOR MARK
D	WINDOW MARK
3	DRAWING NOTE
A	COLUMN LINE MARK
⊕	DATUM MARK
3	REVISION NUMBER CLOUD AT LAST REV. ONLY

PROJECT DATA

STORIES	BUILDING	FLOOR AREA	CONSTR. TYPE	SPRINKLER SYSTEM	OCCUPANCY CLASSIFICATION
ONE STORY	RELIGIOUS CENTER	15,000 SQ.FT	TYPE V	YES - EXISTING	A-3

PROJECT SCOPE

NEW EXTERIOR WALL TREATMENT AND ADDITIONAL ENTRY VESTIBULE.

ABBREVIATIONS

∠	ANGLE	FT.	FOOT OR FEET	REF.	REFERENCE
@	AT	FURR.	FURRING	REFR.	REFRIGERATOR
CL	CENTERLINE	GA.	GAUGE	REINF.	REINFORCING
Ø	DIAMETER	GAFMC	GAF MATERIALS CORP.	REQ.	REQUIRED
#	NUMBER	GC	GENERAL CONTRACTOR	RESIL.	RESILIENT
ACOUST.	ACOUSTICAL	GALV.	GALVANIZED	RM.	ROOM
A.D.	AREA DRAIN	G.B.	GRAB BAR	R.O.	ROUGH OPENING
ADJ.	ADJUSTABLE	GYP.	GYPSPUM	R&R	REMOVE AND REPLACE
A.F.F.	ABOVE FINISH FLOOR	H.B.	HOSE BIBB	S.	SOUTH
AGG.	AGGREGATE	H.C.	HOLLOW CORE	S.C.	SOLID CORE
ALUM.	ALUMINUM	HDWR.	HARDWARE	SCHED.	SCHEDULE
APPROX.	APPROXIMATELY	H.M.	HOLLOW METAL	SECT.	SECTION
BD.	BOARD	HORIZ.	HORIZONTAL	SHT.	SHEET
BLDG.	BUILDING	HGT.	HEIGHT	SHWR.	SHOWER
B.	BOTTOM	I.D.	INSIDE DIAMETER	SIM.	SIMILAR
BA	BUILDING AREA	INSUL.	INSULATION	SPEC.	SPECIFICATIONS
C.J.	CONTROL JOINT	INT.	INTERIOR	SQ.	SQUARE
CER.	CERAMIC	JOINT	JOINT	STD.	STANDARD
CLG.	CEILING	KIT.	KITCHEN	STL.	STEEL
CKT.	CIRCUIT	LAM.	LAMINATE	STOR.	STORAGE
CLO.	CLOSET	LAV.	LAVATORY	SUSP.	SUSPEND
CLR.	CLEAR	LKR.	LOCKER	SYM.	SYMMETRICAL
COL.	COLUMN	LT.	LIGHT	TRD.	TREAD
CONSTR.	CONSTRUCTION	LTG.	LIGHTING	T.C.	TOP OF CURB
CONT.	CONTINUOUS	M.V.D.	MANUAL VOLUME DAMPER	TELE.	TELEPHONE
CTR.	CENTER	MAX.	MAXIMUM	T&G	TONGUE & GROOVE
DBL.	DOUBLE	MECH.	MECHANICAL	THK.	THICK
DTL.	DETAIL	MEMB.	MEMBRANE	T.P.	TOP OF PAVEMENT
DIA.	DIAMETER	MFR.	METAL MANUFACTURER	T.V.	TELEVISION
DIM.	DIMENSION	MIN.	MINIMUM	T.W.	TOP OF WALL
DN.	DOWN	MISC.	MISCELLANEOUS	TYP.	THERMOPLASTIC OLEFIN TYPICAL
D.S.	DOWNSPOUT	M.O.	MASONRY OPENING	UNF.	UNFINISHED
DWR.	DRAWER	MNT.	MOUNT	U.N.O.	UNLESS NOTED OTHERWISE
DWG.	DRAWING	MTD.	MOUNTED	VERT.	VERTICAL
E.	EAST	N.	NORTH	VEST.	VESTIBULE
EA.	EACH	N.I.C.	NOT IN CONTRACT	W.	WEST
E.J.	EXPANSION JOINT	NO.	NUMBER	W/C.	WITH WATER CLOSET
ELEV.	ELEVATION	NOM.	NOMINAL	W/O.	WITHOUT
ELEC.	ELECTRICAL	N.T.S.	NOT TO SCALE	WP.	WATERPROOF
E.P.	ELECTRICAL PANELBOARD	O.C.	ON CENTER	WSCT.	WAINSCOT
EQ.	EQUAL	O.D.	OUTSIDE DIAMETER	WT.	WEIGHT
EQUIP.	EQUIPMENT	OPH.	OPPOSITE HAND		
EXIST.	EXISTING	OPP.	OPPOSITE		
EXT.	EXTERIOR	PL.	PLATE		
F.D.	FLOOR DRAIN	PLAS.	PLASTIC		
F.E.	FIRE EXTINGUISHER	PLYWD.	PLYWOOD		
FIN.	FINISH	PR.	PAIR		
FL.	FLOOR	PVC	POLYVINYL CHLORIDE		
FLASH.	FLASHING	R.	RADIUS		
FLUOR.	FLUORESCENT	R.D.	ROOF DRAIN		
F.O.C.	FACE OF CONCRETE				
F.O.S.	FACE OF STUD				
F.P.	FREEZE PROOF				

GENERAL NOTES

- THESE NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
- ALL WORK INCLUDING CIVIL, MECHANICAL, PLUMBING, & ELECTRICAL SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, & LOCAL CODE REQUIREMENTS, AND IN ACCORDANCE WITH ACCEPTED CONSTRUCTION INDUSTRY STANDARDS.
- OWNER SHALL OBTAIN AND PAY FOR ALL APPLICABLE PERMITS. GC TO HANDLE INSPECTIONS AND APPROVALS, INCLUDING THOSE RELATED TO BUILDING AND CONTRACTOR SIGNAGE.
- PRIOR TO TURNING BUILDING OVER TO OWNER, REPAIR OR REPLACE ALL MATERIALS, GLASS, OR ASSEMBLIES DAMAGED OR BROKEN DURING CONSTRUCTION.
- SMOKE DETECTORS SHALL BE HARDWIRED INTO AN AC ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH BATTERY BACK-UP. SMOKE DETECTORS SHALL BE TESTED FOR COMPLIANCE UPON COMPLETION OF WORK.
- AT ALL RATED WALLS, FLOORS AND RATED CEILINGS, ALL PLUMBING, ELECTRICAL & HVAC PENETRATIONS SHALL BE SEALED WITH APPROVED FIRESTOPPING MATERIAL.
- SEAL ALL PENETRATIONS THRU FLOOR DECK.
- FRAMER SHALL PROVIDE IN-WALL BLOCKING AS REQUIRED AT TOILET ACCESSORIES.
- GC TO PROVIDE ALL MISC. STEEL AND STL. STUD SUPPORT AND HANGERS FOR COMPLETE INSTALLATION OF ALL NEW ARCHITECTURAL AND MEP SYSTEMS.
- PROVIDE ALL ROOFING REPAIR/REPLACEMENT AS REQUIRED FOR MECHANICAL UNIT AND ELECTRICAL PENETRATIONS.
- GENERAL CONTRACTOR SHALL SUBMIT ALL CHANGES TO PLANS, MATERIAL AND EQUIPMENT TO THE ARCHITECT AND/OR ENGINEER FOR REVIEW AND APPROVAL. THE ARCHITECT AND/OR ENGINEER SHALL THEN SUBMIT THE CHANGE REQUEST TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF THE CHANGE.

INDEX OF DRAWINGS

ARCHITECTURAL	MEP	STRUCTURAL
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ADA-2 TAS & ADA SPECIFICATIONS & DETAILS		S5.01 STEEL DETAILS
ADA-3 TAS & ADA SPECIFICATIONS & DETAILS		
A2.0 FLOOR PLAN		
A2.1 REFLECTED CEILING PLAN		
A2.2 FLOOR FINISH PLAN		
A2.3 ROOF PLAN		
A2.4 EMERGENCY EGRESS FLOOR PLAN		
A4.0 ELEVATIONS		
A4.1 ELEVATIONS		
A5.0 BUILDING AND WALL SECTIONS		
A5.1 WALL SECTION DETAILS		
A5.2 WALL SECTION DETAILS		
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A8.2 ROOM SCHEDULE		
SP1 SPECIFICATIONS		
SP2 SPECIFICATIONS		
SP3 SPECIFICATIONS		
SP4 SPECIFICATIONS		
SP5 SPECIFICATIONS		

PROJECT CONTACTS		
ARCHITECT	MEP ENGINEER	STRUCTURAL ENGINEER
DP DESIGNS 500 WISTERGLEN DRIVE DESOTO, TEXAS 75115	A. F. ELGIN & ASSOCIATES 816 APRIL SOUND CT. - SUITE 200 FT. WORTH, TX 76120	MK ENGINEERS & ASSOCIATES, INC. 400 CHISHOLM PLACE, SUITE 106 PLANO, TX 75075
PROJECT CONTACT: DANIEL PARRISH (214)675-9175 DANIEL@DP-DESIGNS.CO	PROJECT CONTACT: ARTHUR F. ELGIN (817)929-2373 ARTHUR.ELGIN@AFELGIN.COM	PROJECT CONTACT: MOHAMMAD KABIR (214)501-3354 INFO@MKAAINC.COM

COVER SHEET
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

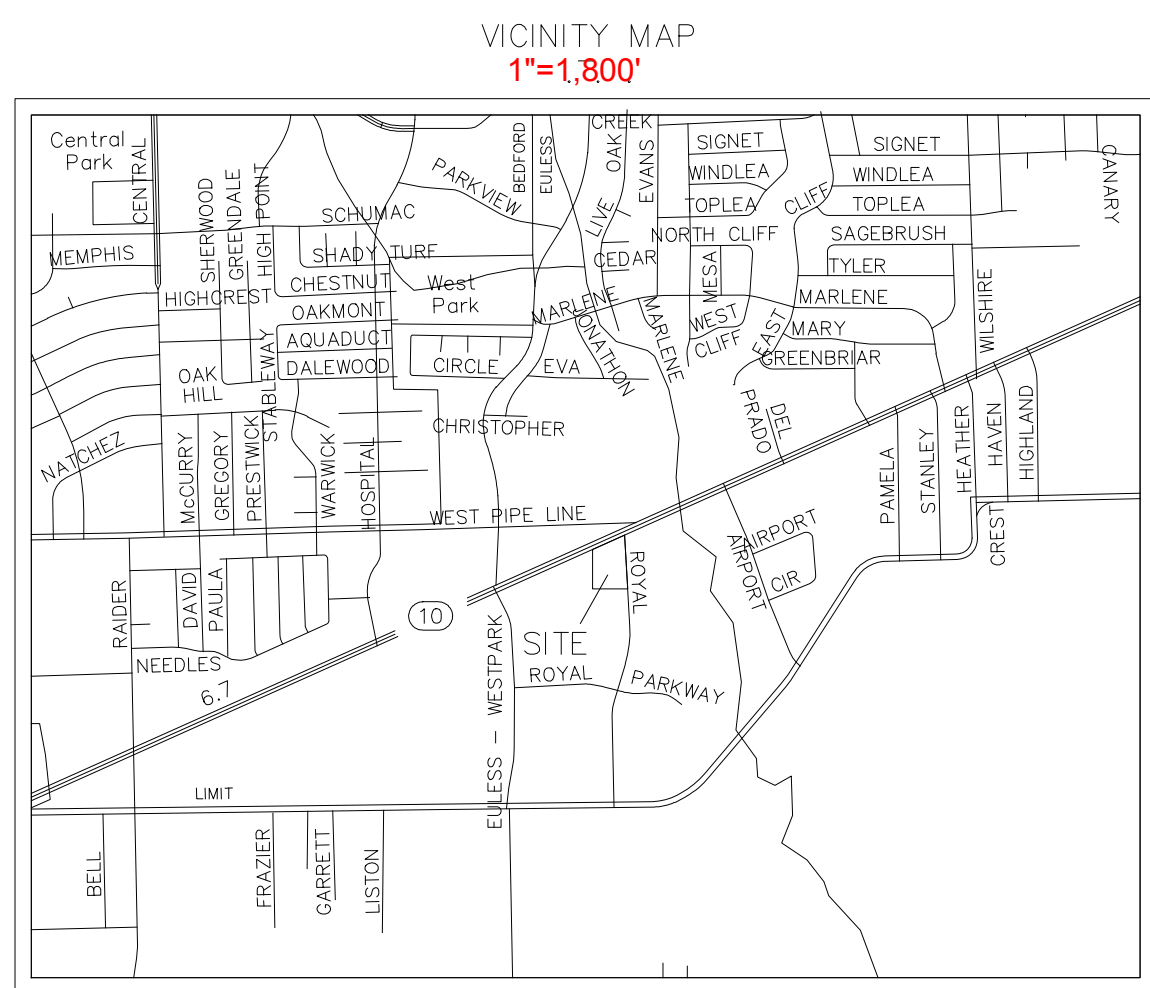
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CS

RENOVATION NEPALESE CULTURE AND SPIRITUAL CENTER

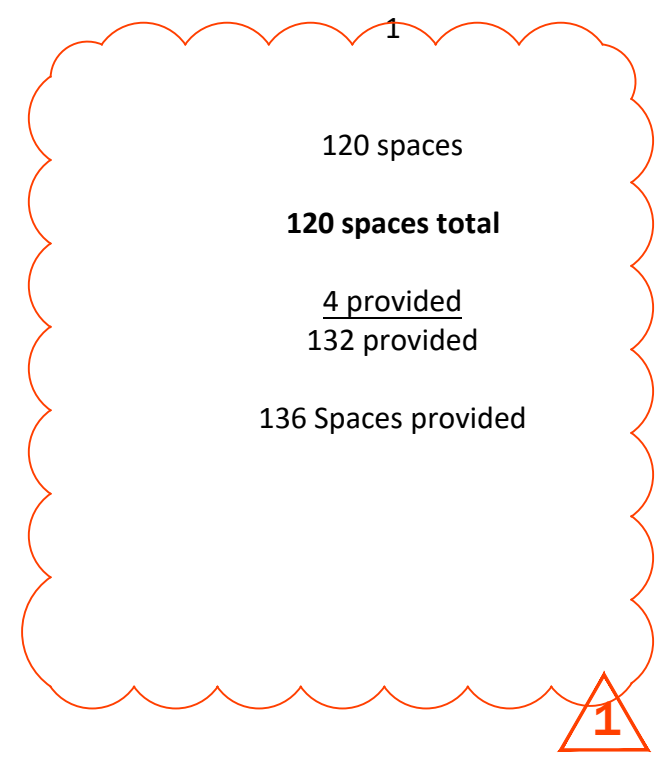
1212 ROYAL PARKWAY
EULESS, TX. 76040



SITE LOCATION MAP



CODE ANALYSIS	
Building Code	2015 IBC with City of Euleless Amendments and 2014 NEC
Occupancy Classification	Group A-2, Group B, Group E
Building Area	15,000 sf
Stories	1
Sprinkler System	Yes
Construction Type (Table 601)	II-B
Allowable Area (Table 506.2a)	
Group A-2, S1	38,000sf
Group B, S1	92,000sf
Group E, S1	58,000sf
Area separation requirement (Table 508.4)	1hr between E/B and A/B
Allowable Height (Table 504.3)	55 ft
Occupant Load (Section 1004)	1027
Plumbing Fixture Requirements (Table 2902.1)	
Women	
Toilets	4
Lavatories	2
Men	
Toilets	2
Lavatories	2
Drinking Fountains	1
Parking	
Parking Required	120 spaces
Handicap Spaces required/provided	4 provided
Regular parking spaces	132 provided
Total Spaces Provided	136 Spaces provided



TABS2020017687

ARCHITECT:
INTEGRATED LLC
TBA FIRM BR-1707
7700 WINDROSE AVE.
PLANO, TX. 75024
972.802.4507
DAVID@ARTEC.SOLUTIONS

MEP ENGINEER:
IMPERIUM ENGINEERING INC.
FIRM # 20059
304 PARK MEADOWS
EULESS, TX. 76039
915.202.9820
IMPERIUMENGINEERINGINC@GMAIL.COM

DRAWING INDEX

GENERAL INFORMATION	
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	<input type="checkbox"/> NOT INCLUDED IN ISSUE
	<input type="checkbox"/> ADDENDUM #

SHEET #	SHEET TITLE
G0.00	PROJECT COVER SHEET
G2.00	ACCESSIBILITY DRAWINGS AND NOTES

CIVIL	
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	<input type="checkbox"/> NOT INCLUDED IN ISSUE
	<input type="checkbox"/> ADDENDUM #

SHEET #	SHEET TITLE
G1.0	CIVIL COVER SHEET
C1.0	EXISTING AREA DRAINAGE MAP
C1.1	PROPOSED AREA DRAINAGE MAP
C1.2	POND DETAILS
C2.0	UTILITY PLAN
C3.0	SITE DETAILS

ARCHITECTURAL	
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SHEET #	SHEET TITLE
A0.0	SITE PLAN
A0.01	PHASING PLAN
A0.1	LANDSCAPE PLAN
A0.2	IRRIGATION PLAN
A0.3	IRRIGATION DETAILS
A1.0	DEMOLITION FLOORPLAN
A1.1	FLOORPLAN
A1.2	ENLARGED KITCHEN PLAN
A1.3	ENLARGED BATHROOM PLAN
A2.0	EXTERIOR ELEVATIONS
A4.0	WALL TYPES
A5.0	DOOR+ WINDOW SCHEDULE
A5.1	ROOM FINISH SCHEDULE
A6.0	REFLECTED CLG PLAN
A7.0	EMERGENCY EGRESS PLAN

MECHANICAL	
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M01	MECHANICAL GENERAL INFORMATION
M1	MECHANICAL PLAN

PLUMBING	
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SHEET #	SHEET TITLE
P01	PLUMBING GENERAL INFORMATION
P1	PLUMBING PLAN
P2	HVAC PLUMBING PLAN
P3	PLUMBING PLAN ISOMETRICS

ELECTRICAL	
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SHEET #	SHEET TITLE
E0.1	GENERAL ELECTRICAL INFORMATION
E1	POWER PLAN
E2	LIGHTING PLAN
E3	HVAC POWER PLAN

CAPTIVEAIRE	
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	<input type="checkbox"/> NOT INCLUDED IN ISSUE
	<input type="checkbox"/> ADDENDUM #

SHEET #	SHEET TITLE
A1-10	CAPTIVEAIRE SHEETS



ARTEC INTEGRATED LLC
7700 WINDROSE AVE
SUITE 6300
PLANO, TEXAS 75024
TYPE ENGINEERING FIRM # 16272
TYPE ARCHITECTURE BR 1707
artec.solutions
972.802.4507

PROJECT
NEPALI MANDIR COMMUNITY CENTER

1212 ROYAL PARKWAY EULESS TEXAS, 76040
DATE: PROJECT NO. DATE NO. DATE
1 07/10/2020
2
3
4
5
6



Affixation Date: 07/10/2020
COVER

SCALE: X"=1'-0"



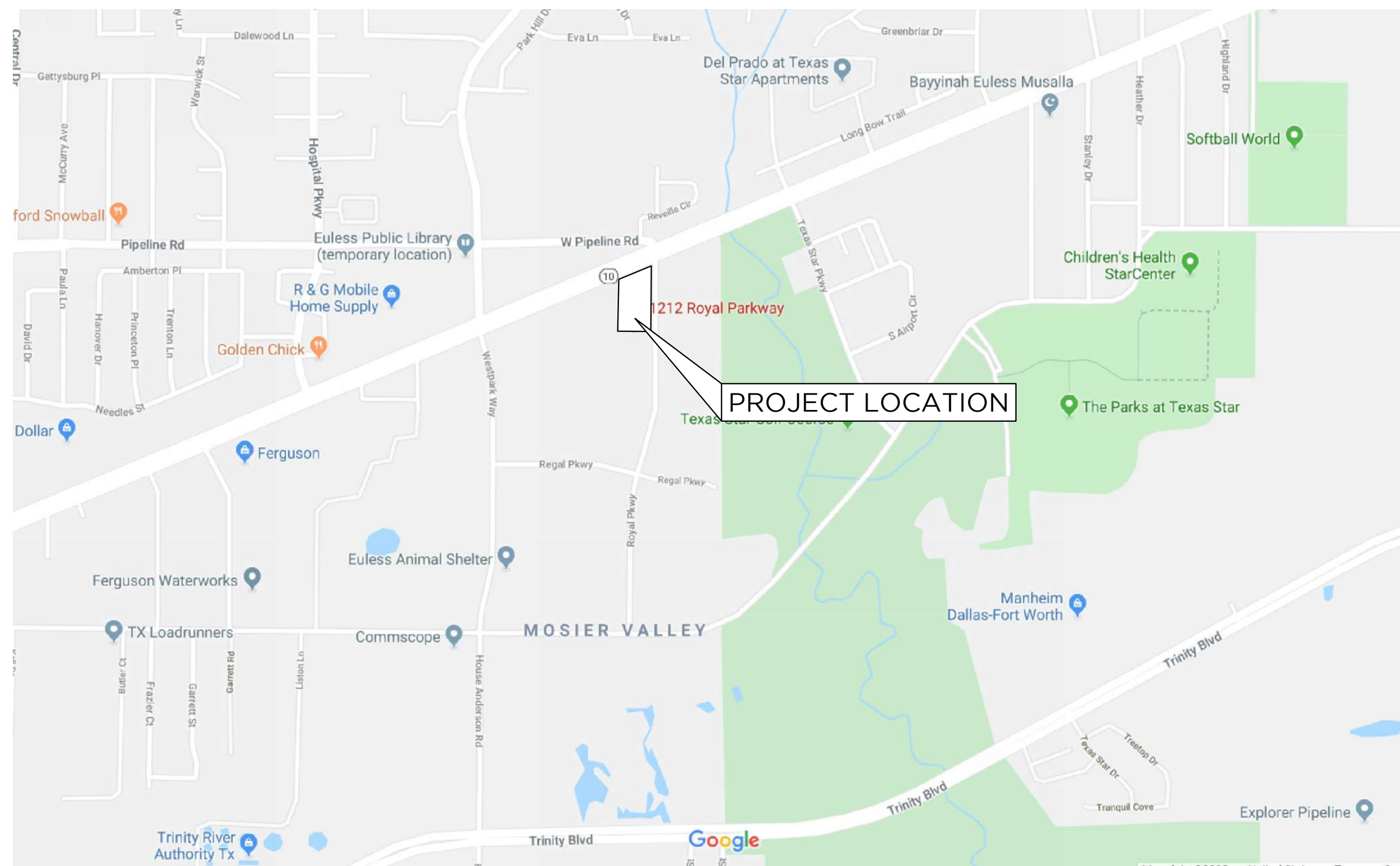
DRAWN BY: YOU

FACILITY	DIMENSION	FACILITY	DIMENSION	FACILITY	DIMENSION	FACILITY	DIMENSION	FACILITY	DIMENSION	FACILITY	DIMENSION	FACILITY	DIMENSION
□ UIC □ RETAIL	□ 16" □ 18"	□ UIC □ RETAIL	□ 36" MIN	□ UIC □ RETAIL	□ 33" □ 36"	□ UIC □ RETAIL	□ 17" MAX	□ UIC □ RETAIL	□ 34" MAX	□ UIC □ RETAIL	□ 46" MAX	□ UIC □ RETAIL	□ 17" □ 19"
A STANDARD STALL		B GRAB BAR REAR WALLS		C GRAB BAR SIDE WALLS		D ELONGATED RIM URINAL		E LATCHATOR FRONT APPROACH		F PUBLIC TELEPHONE SIDE APPROACH		G WATER CLOSET	
H MIRRORS IN BATHROOMS		I DISPENSERS CONTROLS SWITCHES FRONT APPROACH		J DISPENSERS CONTROLS SWITCHES SIDE APPROACH		K WALL MOUNTED DRINKING FOUNTAIN		L CHANGES IN LEVEL		M MULTIPLE CURB RAMPS		N CURB RAMPS FLARED SIDES	
O STAIR HANDRAIL EXTENSION AT BOTTOM		P STAIR HANDRAIL EXTENSION AT TOP		Q DOOR SIGNAGE LOCATION		R SIGN HEIGHT DETAIL		S SINGING DOOR FRONT APPROACH		T SINGING DOOR LATCH APPROACH		U SINGING DOOR LATCH APPROACH	
V SINGING DOOR HINGE APPROACH		W SINGING DOOR HINGE APPROACH		X SINGING DOOR FRONT APPROACH		CONTROLS AND OPERATING MECHANISMS							
<p>HEIGHT: SWITCHES, THERMOSTATS, CONTROLS, DISPENSERS, RECEIPT TABLES AND THE HIGHEST OPERABLE PART OF OTHER OPERABLE EQUIPMENT SHALL BE PLACED NO HIGHER THAN 44" A.F.F. FOR FRONT APPROACH AND 48" FOR SIDE APPROACH AND WITHIN THE REACH RANGES REQUIRED BY THE 2012 TAS & 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.</p> <p>FLUSH CONTROLS: FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE SIDE SIDE OF TOILET. TOP OF FLUSH CONTROL VALVE UNIT SHALL BE MOUNTED 1 1/2" CLEAR FROM BOTTOM OF GRAB BAR.</p> <p>OPERATION: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.</p> <p>GRAB BARS</p> <p>OUTSIDE DIAMETER: THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1 1/4" MIN. TO 2" MAX. OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.</p> <p>CLEARANCE: THE SPACE BETWEEN ALL HAND AND GRAB BARS SHALL BE 1 1/2" MIN.</p> <p>STRESSES: ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT AN ANGLE POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE.</p> <p>ROTATION: GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.</p> <p>EDGES: SHARP OR ABRASIVE ELEMENTS ARE NOT ACCEPTABLE FOR A HANDRAIL OR GRAB BAR AND ALL OTHER SURFACE ADJACENT TO IT. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".</p> <p>GENERAL NOTES</p> <p>1. DETAILS ON THIS SHEET COMPLY WITH THE 2012 TEXAS ACCESSIBILITY STANDARDS (2012 TAS) AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.</p> <p>2. DETAILS SHOWN ON THIS SHEET ARE INFORMATIONAL. REFER TO THE FLOOR PLANS, ELEVATIONS, DETAILS, SPECIFICATIONS SHOWN IN THE CONSTRUCTION DOCUMENTS FOR SPECIFIC REQUIREMENTS. THE CONSTRUCTION DOCUMENTS SHALL TAKE PRECEDENCE OVER THIS SHEET. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR FURTHER INSTRUCTIONS.</p>													
EE RAMP HANDRAIL EXTENSIONS													

SUP GRADING & DRAINAGE PLAN

1212 ROYAL PARKWAY
EULESS, TEXAS 76040

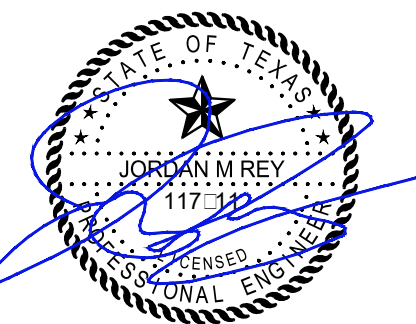
SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G-1.0	COVER SHEET
C-1.0	EXISTING DRAINAGE AREA MAP
C-1.1	PROPOSED DRAINAGE & OVERALL GRADING
C-1.2	POND DETAILS
C-2.0	CONCEPTUAL UTILITY PLAN
C-3.0	SITE DETAILS



SITE LOCATION MAP

PROJECT LEGEND

	PROPOSED	EXISTING
PROPERTY LINE	---	---
EASEMENT	---	---
TREE REMOVAL	✕	
CURB AND GUTTER	====	====
SILT FENCE	— SF —	
5' CLASS A REINFORCED CONCRETE	■	
8" REINFORCED CONCRETE PAVEMENT	■	
SIDEWALK PAVEMENT	■	
PAVEMENT REMOVAL (ASPH)		▨
PAVEMENT REMOVAL (CONC)		▩
COORDINATE POINT NUMBER (SEE TABLE, EACH SHEET, FOR COORD. INFORMATION.)	⑨	
SURFACE CONTOUR	566	566
SPOT ELEVATIONS	403.74	403.74
FINISHED FLOOR ELEVATION		FF=403.74
TRAFFIC SIGN	—	—
SANITARY SEWER	— SS —	— SS —
WATER METER		⊗ WM
BUILDING LINE		▨
STORM DRAIN		—
GAS LINE		— G —
OVERHEAD ELECTRIC LINES		— OHE —
CONTROL POINT	⊕	⊕ CP-864
BENCHMARK	⊕	⊕ BM-503
TRAFFIC SIGNAL POLE	• TSP	
TRAFFIC SIGNAL CONTROLLER	□ TSC	
TELEPHONE PEDESTAL	□ TPEd	
GAS METER	⊗ GM	
LIGHT STANDARD	⊙ LP	
POWER POLE	⊙ PP	
WATERLINE	— W —	— W —
WATER VALVE	⊕	⊕ WW
FIRE HYDRANT	⊕	⊕ FH
SPRINKLER CONTROL VALVE	⊕	⊕ SCV
ELECTRIC PULL BOX	□ PB	
ELECTRIC METER	⊕ EM	
ELECTRIC JUNCTION BOX	⊕ EB	
SANITARY SEWER CLEANOUT	○ SSCo	
WATER FAUCET	⊕ WF	
SODDED AREA	■	
UNDERGROUND DATA	— UC —	— UC —



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PROJECT

1212 ROYAL PARKWAY
EULESS TEXAS 76040
ORIGINAL ISSUE

REVISIONS

TITLE:

COVER SHEET

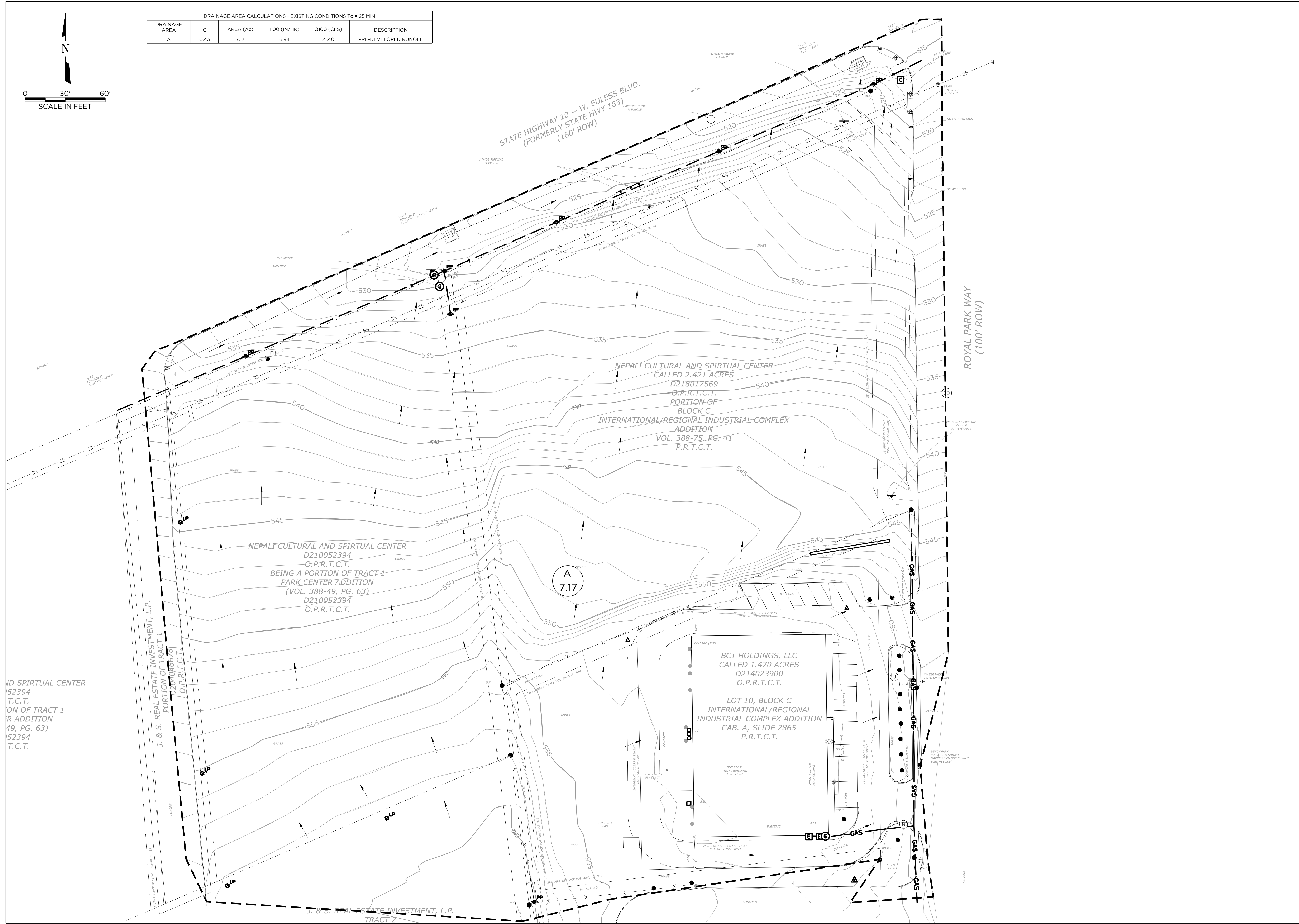
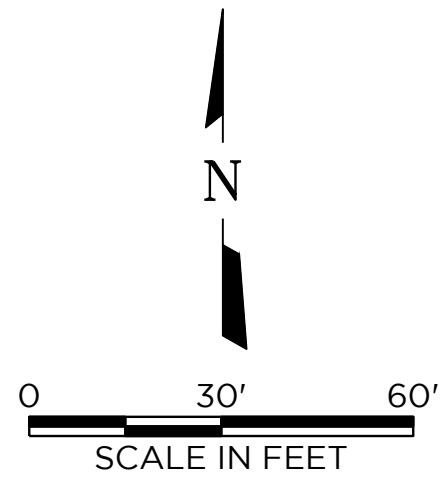
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DATE: 12/27/19

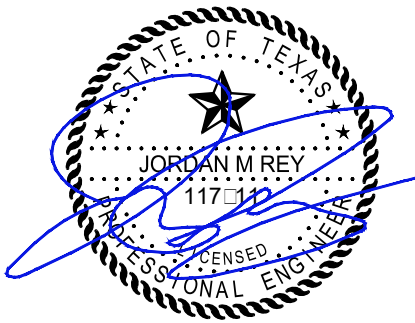
SHEET:

G-1.0

DRAINAGE AREA CALCULATIONS - EXISTING CONDITIONS Tc = 25 MIN					
DRAINAGE AREA	C	AREA (Ac)	I100 (IN/HR)	Q100 (CFS)	DESCRIPTION
A	0.43	7.17	6.94	21.40	PRE-DEVELOPED RUNOFF



ARTEC INTEGRATED LLC
7700 WINDROSE AVE
SUITE G300
PLANO, TEXAS 75024
TBPE ENGINEERING FIRM F-16272
www.artec-engineering.com
214.799.3505



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JORDAN M REY, PE 117211 ON 7/16/2020

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PROJECT
NEPALI MANDIR
1212 ROYAL PARKWAY
EULESS TEXAS 76040
ORIGINAL ISSUE

SUP
DOCUMENTS
REVISIONS

TITLE: **EXISTING DRAINAGE AREA MAP**

PROJECT NUMBER: 20.02.01

DATE: 12/27/19

SHEET:

C-1.0

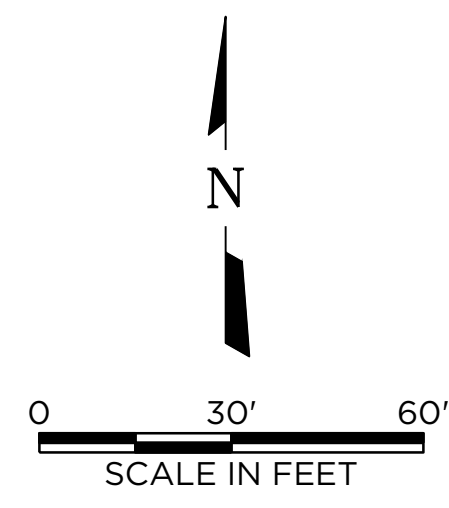
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O.P.R.T.C.T.
PORTION OF TRACT 1
INDUSTRIAL COMPLEX ADDITION
VOL. 388-49, PG. 63
D210052394
O.P.R.T.C.T.

J. & S. REAL ESTATE INVESTMENT, L.P.
PORTION OF TRACT 1
D210052394
O.P.R.T.C.T.

BCT HOLDINGS, LLC
CALLED 1.470 ACRES
D214023900
O.P.R.T.C.T.

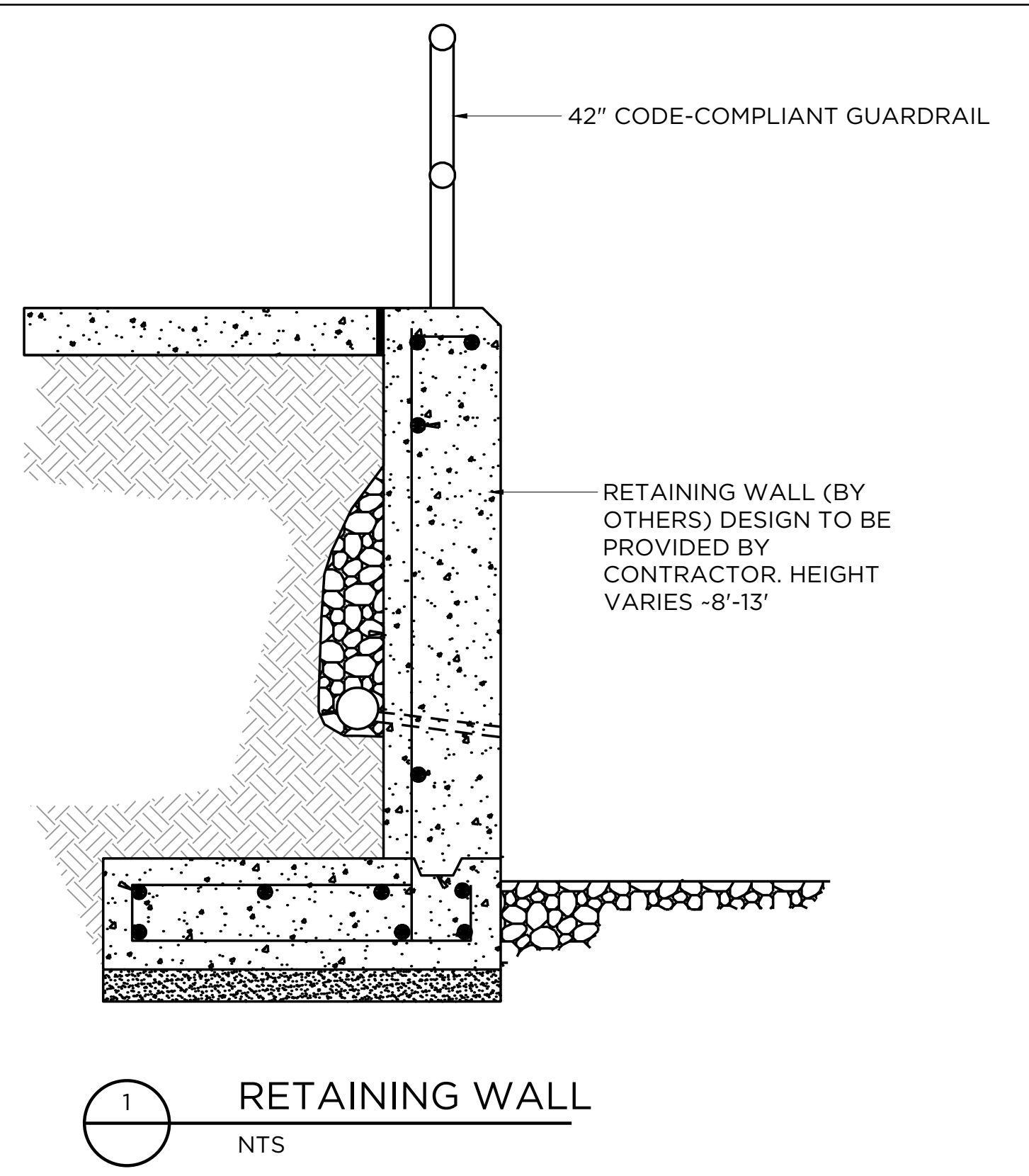
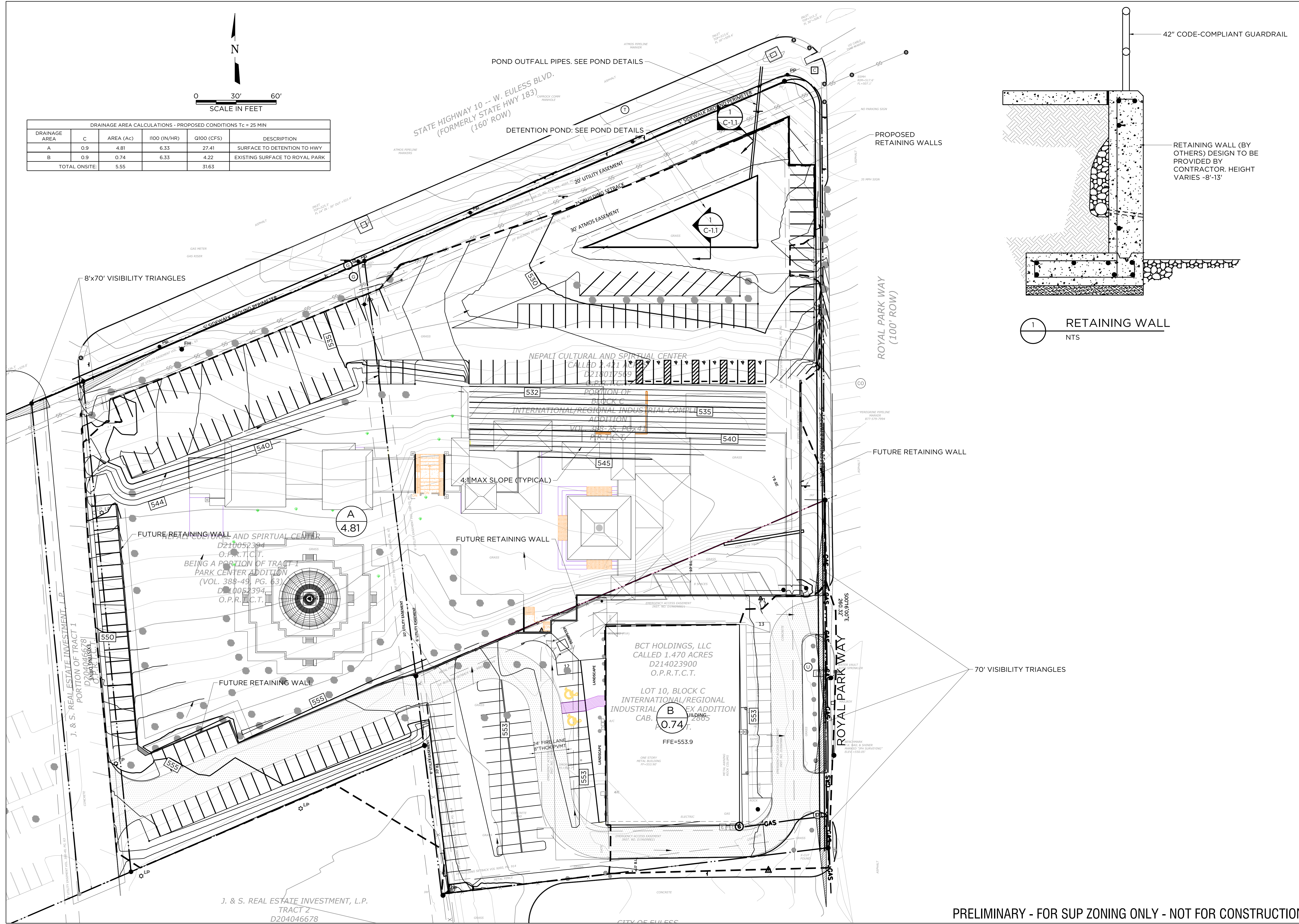
LOT 10, BLOCK C
INTERNATIONAL/REGIONAL
INDUSTRIAL COMPLEX ADDITION
CAB. A, SLIDE 2865
P.R.T.C.T.

J. & S. REAL ESTATE INVESTMENT, L.P.
TRACT 2

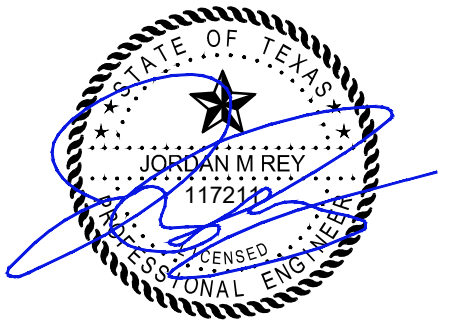


DRAINAGE AREA CALCULATIONS - PROPOSED CONDITIONS Tc = 25 MIN

DRAINAGE AREA	C	AREA (Ac)	I100 (IN/HR)	Q100 (CFS)	DESCRIPTION
A	0.9	4.81	6.33	27.41	SURFACE TO DETENTION TO HWY
B	0.9	0.74	6.33	4.22	EXISTING SURFACE TO ROYAL PARK
TOTAL ONSITE:		5.55		31.63	



1 RETAINING WALL
NTS



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PROJECT
NEPALI MANDIR
1212 ROYAL PARKWAY
EULESS TEXAS 76040

ORIGINAL ISSUE
SUP DOCUMENTS
REVISIONS

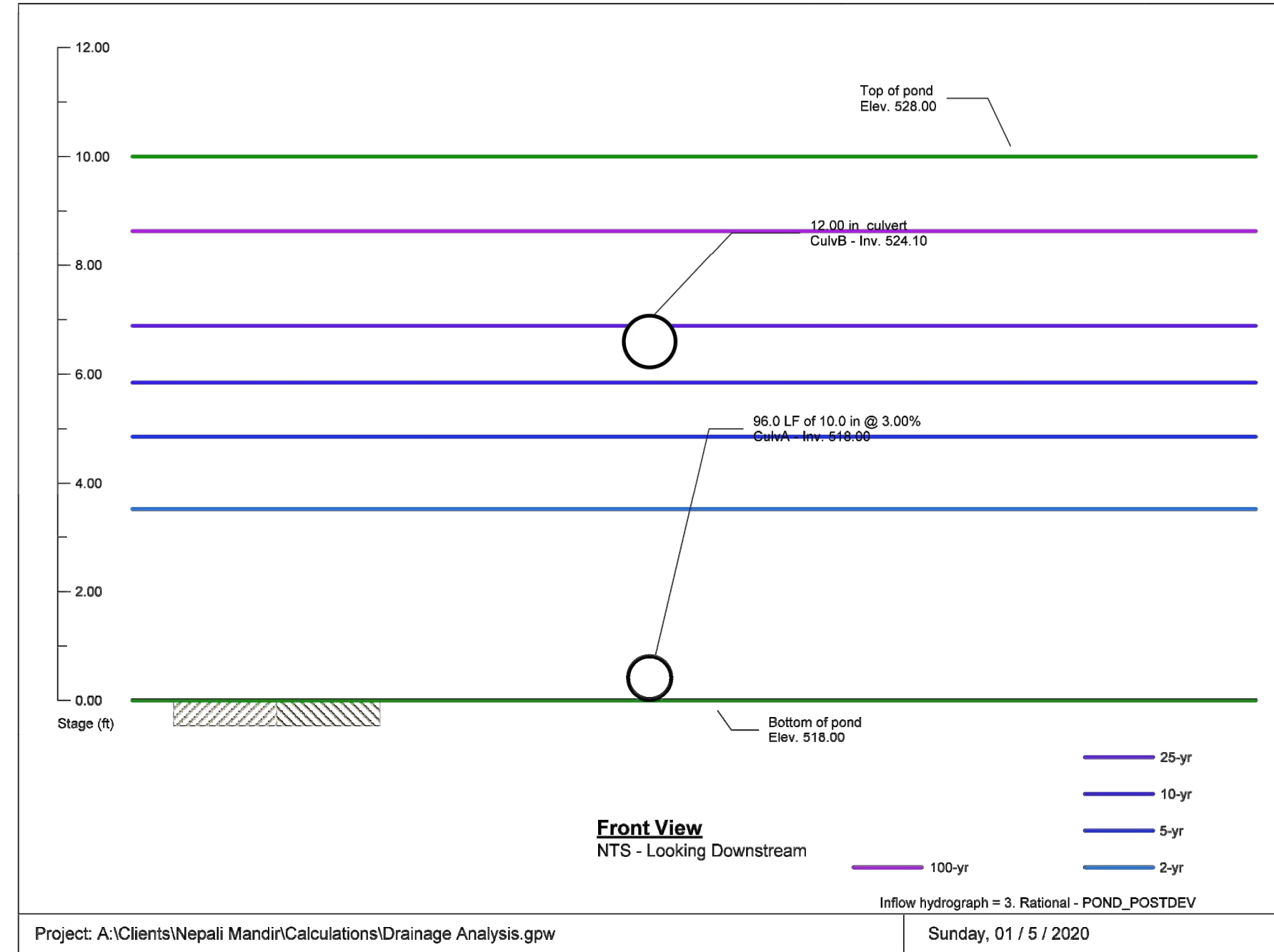
PROPOSED TITLE
DRAINAGE & OVERALL GRADING

PROJECT NUMBER: 20.02.01
DATE: 12/27/19
SHEET:

PRELIMINARY - FOR SUP ZONING ONLY - NOT FOR CONSTRUCTION

Pond No. 1 - NEPALI POND

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020



Project: A:\Clients\Nepali Mandir\Calculations\Drainage Analysis.gpw

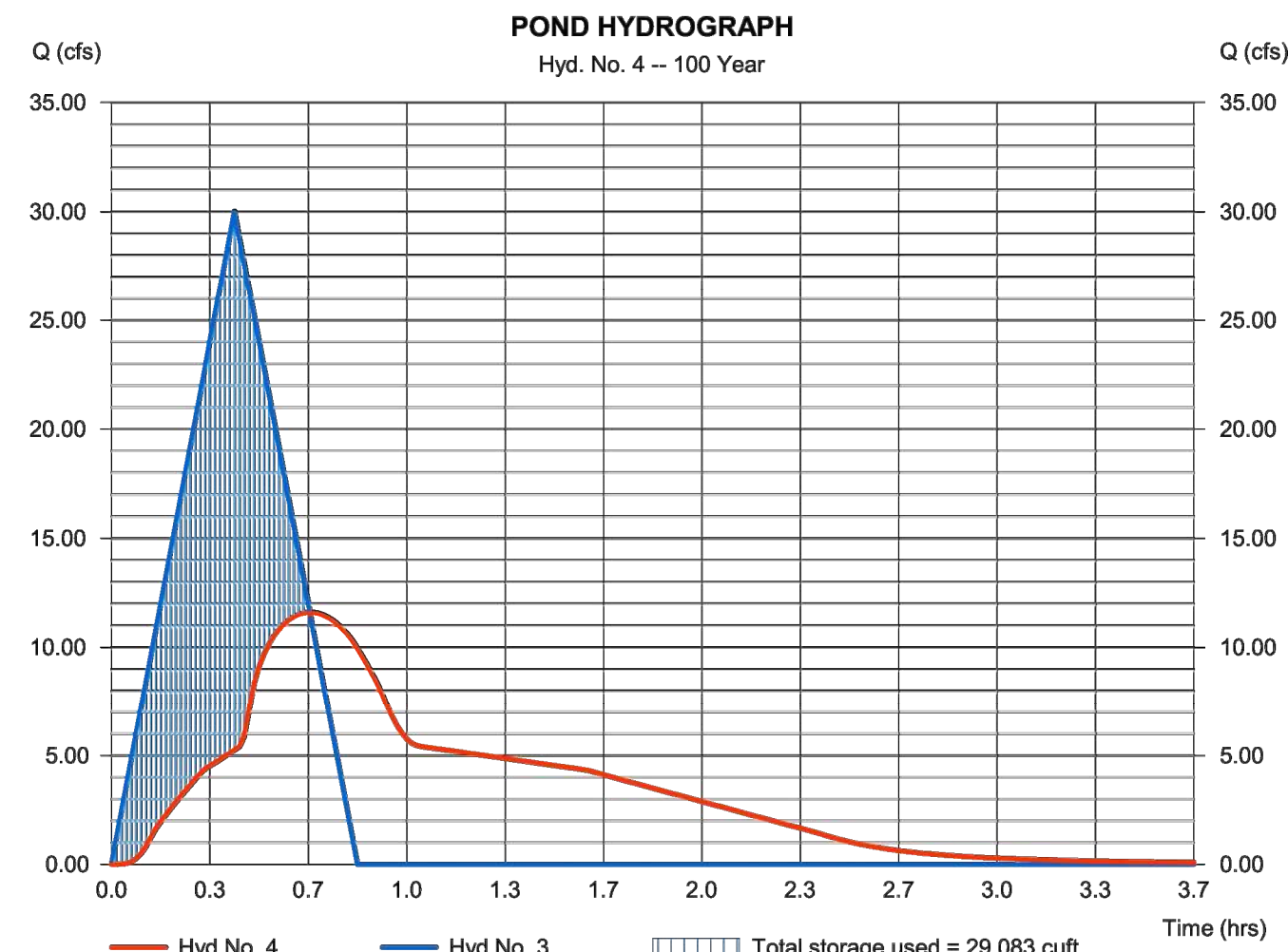
Sunday, 01 / 5 / 2020

Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020 Sunday, 01 / 5 / 2020

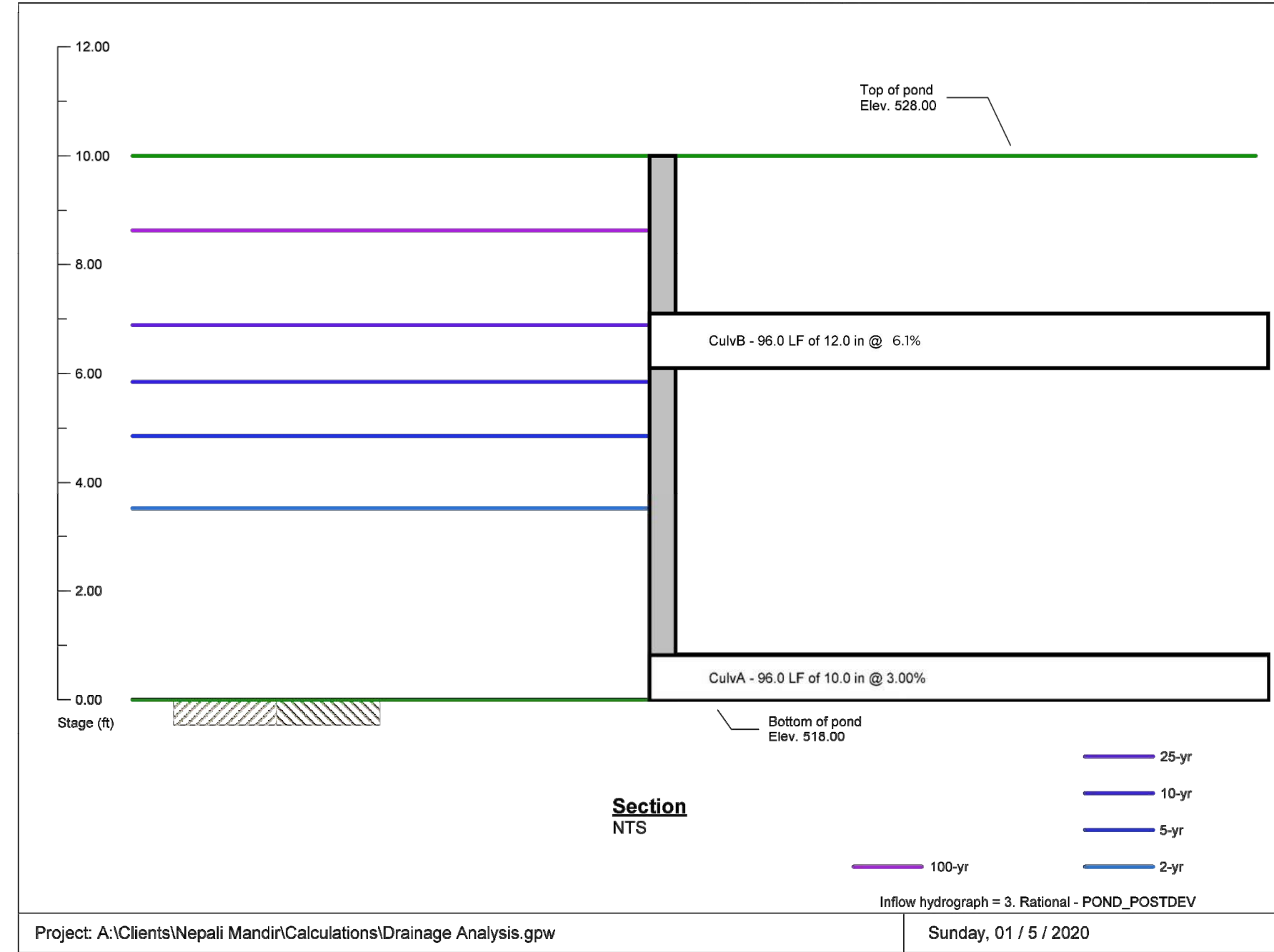
Hyd. No. 4
POND HYDROGRAPH
 Hydrograph type = Reservoir Peak discharge = 11.61 cfs
 Storm frequency = 100 yrs Time to peak = 0.67 hrs
 Time interval = 1 min Hyd. volume = 45,028 cuft
 Inflow hyd. No. = 3 - POND_POSTDEV Max. Elevation = 526.64 ft
 Reservoir name = NEPALI POND Max. Storage = 29,083 cuft

Storage Indication method used.



Pond No. 1 - NEPALI POND

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020



Project: A:\Clients\Nepali Mandir\Calculations\Drainage Analysis.gpw

Sunday, 01 / 5 / 2020

Pond Report

3

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020 Sunday, 01 / 5 / 2020

Pond No. 1 - NEPALI POND

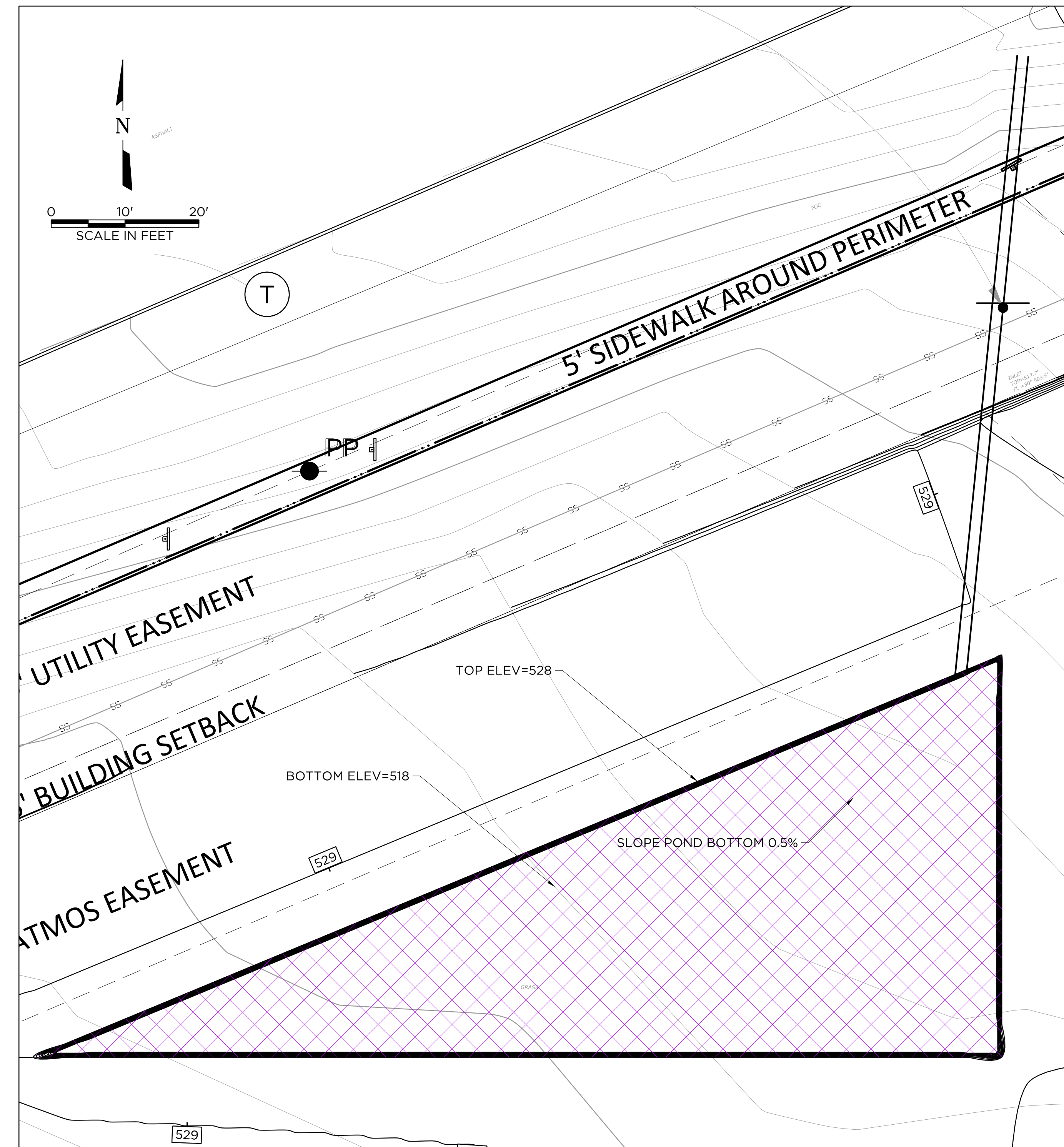
Pond Data
 Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 518.00 ft

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	518.00	3,368	0	0
1.00	519.00	3,368	3,368	3,368
2.00	520.00	3,368	3,368	6,735
3.00	521.00	3,368	3,368	10,103
4.00	522.00	3,368	3,368	13,471
5.00	523.00	3,368	3,368	16,838
6.00	524.00	3,368	3,368	20,206
7.00	525.00	3,368	3,368	23,574
8.00	526.00	3,368	3,368	26,941
9.00	527.00	3,368	3,368	30,309
10.00	528.00	3,368	3,368	33,677

Culvert / Orifice Structures				Weir Structures					
	[A]	[B]	[C]	[PrRsr]		[A]	[B]	[C]	[D]
Rise (in)	= 10.00	12.00	0.00	0.00	Crest Len (ft)	= 0.00	0.00	0.00	0.00
Span (in)	= 10.00	12.00	0.00	0.00	Crest EL. (ft)	= 0.00	0.00	0.00	0.00
No. Barrels	= 1	1	0	0	Weir Coeff.	= 3.33	3.33	3.33	3.33
Invert EL. (ft)	= 518.00	524.10	0.00	0.00	Weir Type	=			
Length (ft)	= 96.00	96.00	0.00	0.00	Multi-Stage	= No	No	No	No
Slope (%)	= 3.00	3.00	0.00	n/a					
N-Value	= 0.15	0.15	0.15	n/a	Exfil. (in/hr)	= 0.000	(by Contour)		
Orifice Coeff.	= 0.60	0.60	0.60	No	TW Elev. (ft)	= 0.00			
Multi-Stage	= n/a	No	No	No					

Note: Culvert/Orifice outfalls are analyzed under inlet (i) and outlet (o) control. Weir weirs checked for orifice conditions (i) and submergence (i).

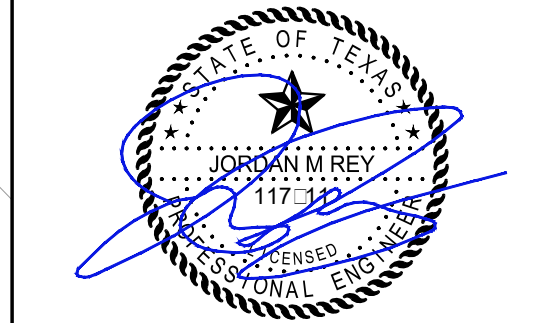
Stage ft	Storage cuft	Elevation ft	Civ A cfs	Civ B cfs	Civ C cfs	PrRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	518.00	0.00	0.00	---	---	---	---	---	---	---	---	0.000
1.00	3,368	519.00	2.01 ic	0.00	---	---	---	---	---	---	---	---	2.006
2.00	6,735	520.00	3.30 ic	0.00	---	---	---	---	---	---	---	---	3.304
3.00	10,103	521.00	4.22 ic	0.00	---	---	---	---	---	---	---	---	4.220
4.00	13,471	522.00	4.68 oc	0.00	---	---	---	---	---	---	---	---	4.679
5.00	16,838	523.00	5.05 oc	0.00	---	---	---	---	---	---	---	---	5.051
6.00	20,206	524.00	5.40 oc	0.00	---	---	---	---	---	---	---	---	5.397
7.00	23,574	525.00	5.72 oc	2.41 ic	---	---	---	---	---	---	---	---	8.128
8.00	26,941	526.00	6.03 oc	4.47 ic	---	---	---	---	---	---	---	---	10.50
9.00	30,309	527.00	6.32 oc	6.96 ic	---	---	---	---	---	---	---	---	12.18
10.00	33,677	528.00	6.60 oc	6.97 ic	---	---	---	---	---	---	---	---	13.58



1 DETENTION POND
 1"=10'



ARTEC INTEGRATED LLC
 7700 WINDROSE AVE
 SUITE G300
 PLANO, TEXAS 75024
 TBPE ENGINEERING FIRM F-16272
 j.m. artec.enr@artec.com
 214.799.3505



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PROJECT
NEPALI MANDIR
 1212 ROYAL PARKWAY
 EULESS TEXAS 76040
 ORIGINAL ISSUE

SUP DOCUMENTS
 REVISIONS

TITLE:
POND DETAILS
 PROJECT NUMBER: 20.02.01
 DATE: 12/27/19
 SHEET:

C-1.2

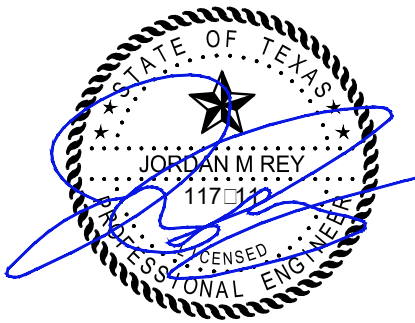
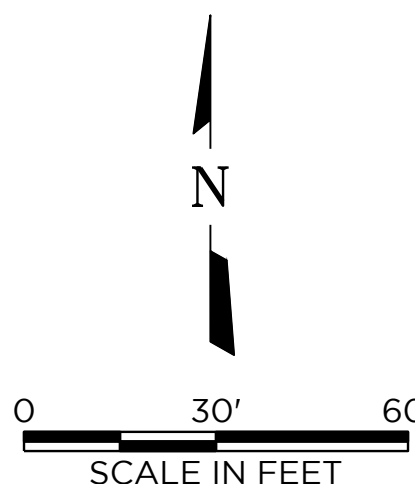
UTILITY MATERIAL SPECIFICATIONS	
DESCRIPTION	SPECIFICATION
3" WATER LINE AND SMALLER	AWWA C901 & ASTM F714 PE PIPE
GAS LINES	ASTM D-25 13 DIRECT BURIAL PE PIPE
SANITARY SEWER (4" TO 15")	SDR35 MEETING ASTM D3034
SANITARY SEWER (150 PSI PRESSURE-RATED)	SDR26 MEETING ASTM D2241

NOTES:

- THIS IS A CONCEPTUAL UTILITY PLAN FOR ZONING PURPOSES - A FOR-CONSTRUCTION UTILITY PLAN MUST BE COMPLETED AS PART OF THE CONSTRUCTION DOCUMENTS FOR CONSTRUCTION.



ARTEC INTEGRATED LLC
 7700 WINDROSE AVE
 SUITE G300
 PLANO, TEXAS 75024
 TBPE ENGINEERING FIRM F-16272
 artec.enr@artec.com
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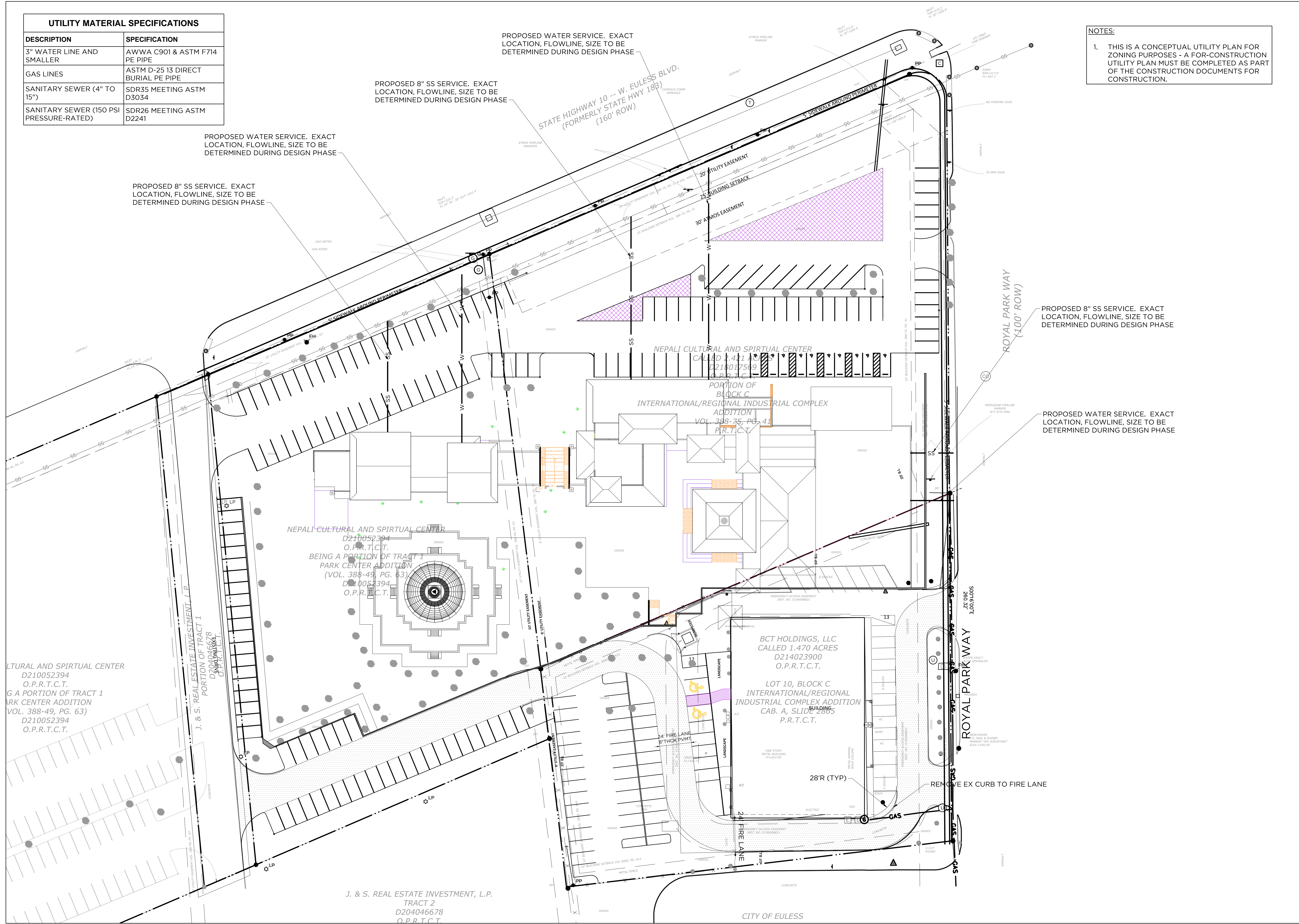
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PROJECT
NEPALI MANDIR
 1212 ROYAL PARKWAY
 EULESS TEXAS 76040
 ORIGINAL ISSUE

SUP
DOCUMENTS
 REVISIONS

TITLE:
CONCEPTUAL UTILITY PLAN
 PROJECT NUMBER: 20.02.01
 DATE: 12/27/19
 SHEET:

C-2.0



NEPALI CULTURAL AND SPIRITUAL CENTER
 D210052394
 O.P.R.T.C.T.
 BEING A PORTION OF TRACT 1
 PARK CENTER ADDITION
 (VOL. 388-49, PG. 63)
 D210052394
 O.P.R.T.C.T.

J. & S. REAL ESTATE INVESTMENT, L.P.
 PORTION OF TRACT 1
 D204046678
 O.P.R.T.C.T.

NEPALI CULTURAL AND SPIRITUAL CENTER
 D210052394
 O.P.R.T.C.T.
 BEING A PORTION OF TRACT 1
 PARK CENTER ADDITION
 (VOL. 388-49, PG. 63)
 D210052394
 O.P.R.T.C.T.

PROPOSED WATER SERVICE. EXACT LOCATION, FLOWLINE, SIZE TO BE DETERMINED DURING DESIGN PHASE

PROPOSED 8" SS SERVICE. EXACT LOCATION, FLOWLINE, SIZE TO BE DETERMINED DURING DESIGN PHASE

PROPOSED WATER SERVICE. EXACT LOCATION, FLOWLINE, SIZE TO BE DETERMINED DURING DESIGN PHASE

PROPOSED 8" SS SERVICE. EXACT LOCATION, FLOWLINE, SIZE TO BE DETERMINED DURING DESIGN PHASE

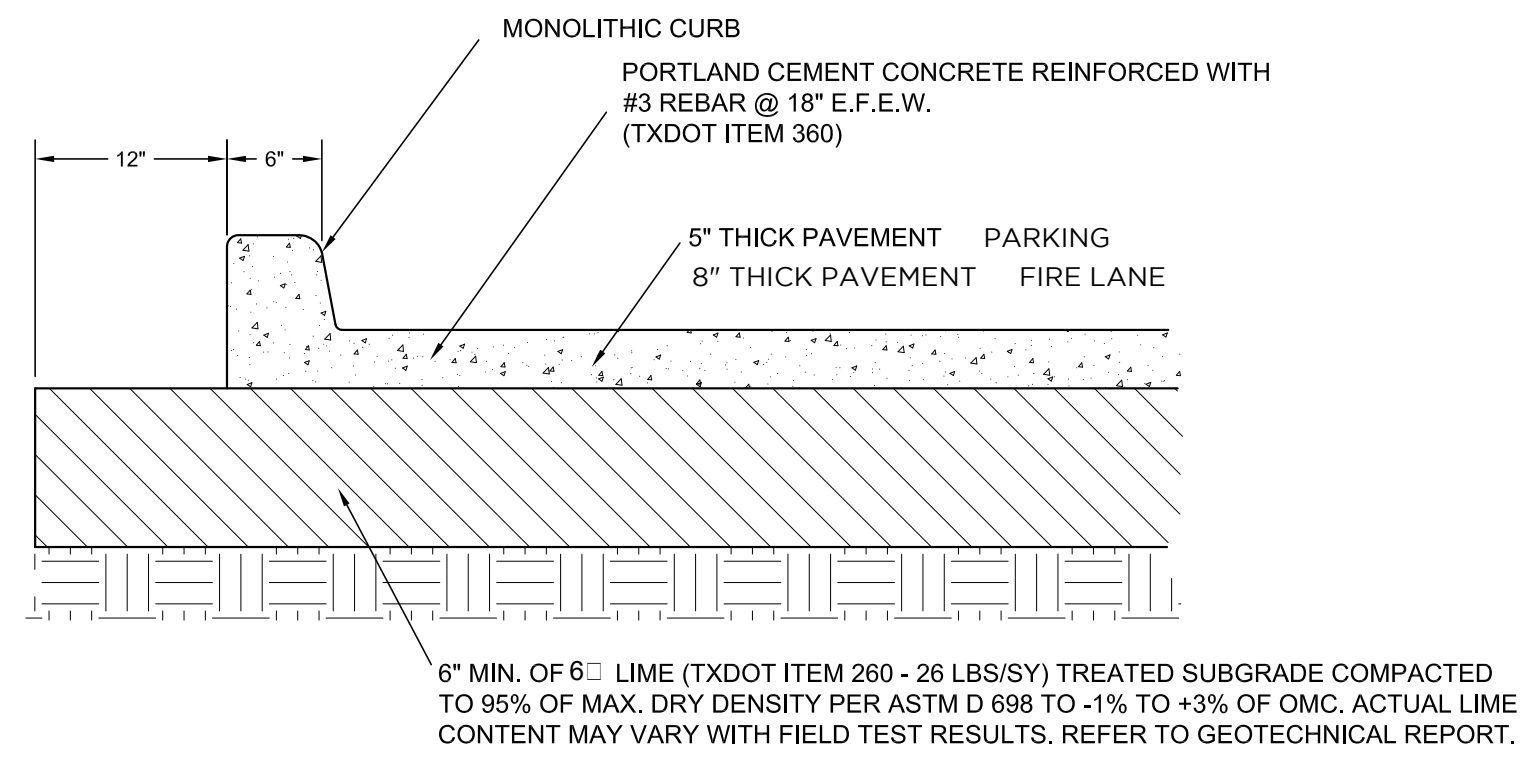
STATE HIGHWAY 10 -- W. EULESS BLVD.
 (FORMERLY STATE HWY 183)
 (160' ROW)

NEPALI CULTURAL AND SPIRITUAL CENTER
 CALLED 2.41 ACRES
 D218017569
 O.P.R.T.C.T.
 PORTION OF BLOCK C
 INTERNATIONAL/REGIONAL INDUSTRIAL COMPLEX
 ADDITION
 VOL. 388-75, PG. 41
 P.R.T.C.T.

BCT HOLDINGS, LLC
 CALLED 1.470 ACRES
 D214023900
 O.P.R.T.C.T.
 LOT 10, BLOCK C
 INTERNATIONAL/REGIONAL
 INDUSTRIAL COMPLEX ADDITION
 CAB. A, SLIDE 2885
 P.R.T.C.T.

J. & S. REAL ESTATE INVESTMENT, L.P.
 TRACT 2
 D204046678
 O.P.R.T.C.T.

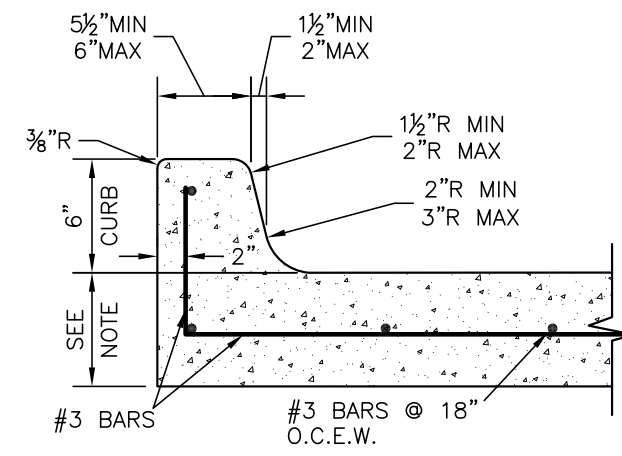
CITY OF EULESS



- CONCRETE STRENGTH NOTES:
- CONCRETE SHALL MEET TXDOT ITEM 360 AND HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3,600 psi MIN., WITH 4-6% AIR ENTRAINMENT.
 - FOR DRIVEWAYS IN CITY ROW, CONCRETE TO HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,500 psi MIN.

1 CONCRETE PAVEMENT SECTION

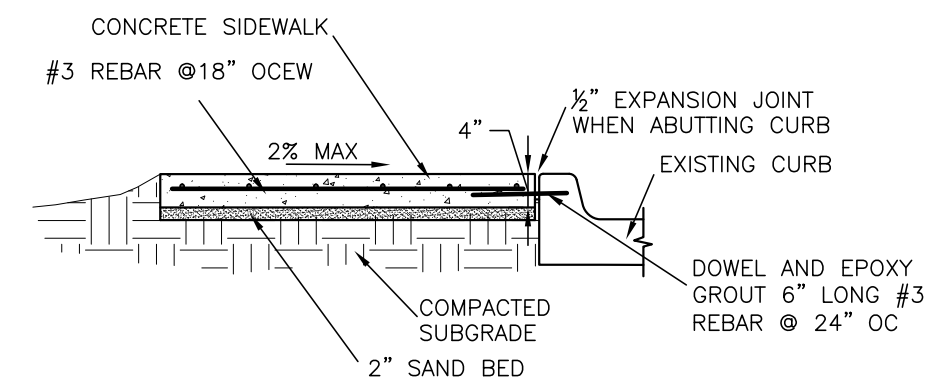
NTS



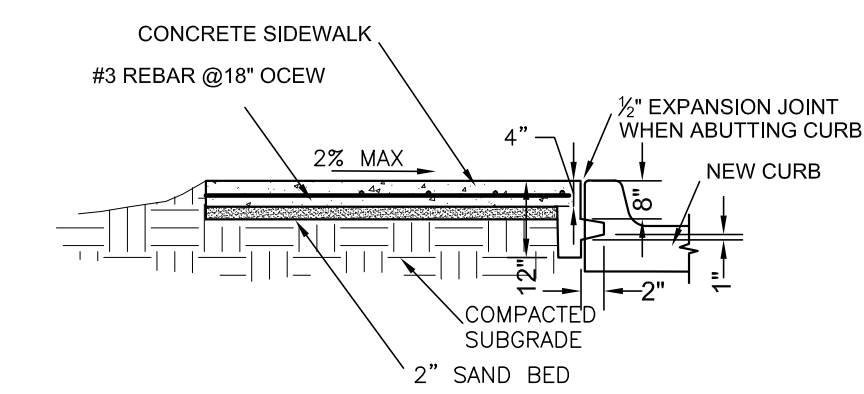
NOTE:
THIS DIMENSION WILL VARY. REFER TO PAVEMENT SECTION
DETAIL FOR HEAVY/REGULAR DUTY PAVEMENT DIMENSION.

PAVEMENT SECTION - MONOLITHIC CURB

NTS



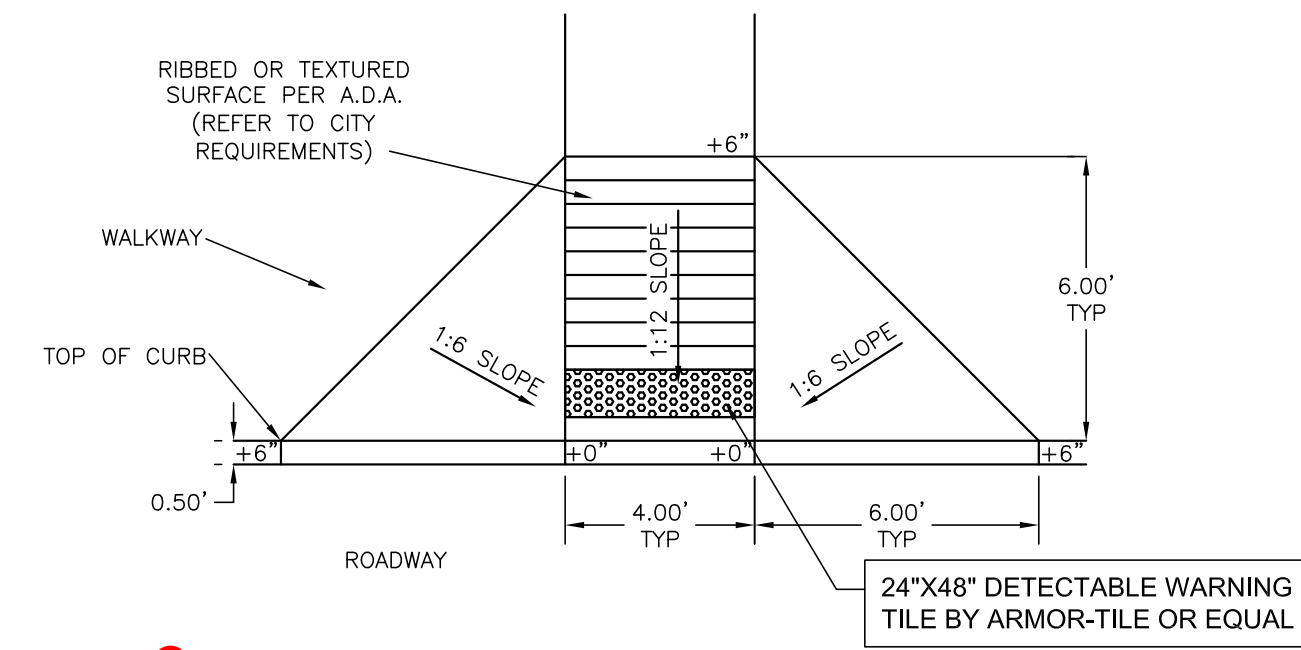
TYPICAL SIDEWALK AGAINST EXISTING CURB



2 TYPICAL SIDEWALK AGAINST NEW CURB

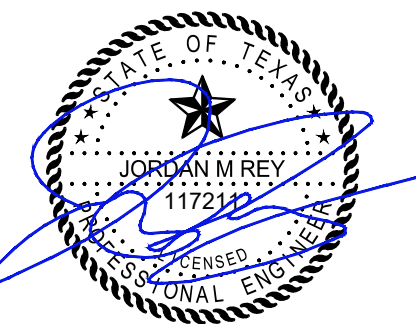
NOTE:

1. ALL HOMECOMB IN THE BACK OF CURB TO BE TROWEL PLASTERED BEFORE POURING SIDEWALK.
2. LUG MAY BE FORMED BY SHAPING SUBGRADE TO THE APPROXIMATE DIMENSIONS SHOWN.
3. ALL SIDEWALK SUBGRADE TO BE LIME STABILIZED SUBGRADE OR SELECT FILL WITH PI BETWEEN 10 - 18.
4. SUBGRADE TO BE COMPACTED TO ASTM D 968 TO $\pm 3\%$ OF OMC
5. EXPANSION JOINTS TO BE PROVIDED AT STREET JOINTS AT A MAXIMUM OF 40' DISTANCE.



3 BARRIER FREE RAMP DETAIL

NTS



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JORDAN M REY, PE 117211 ON
7/16/2020

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PROJECT
NEPALI MANDIR
1212 ROYAL PARKWAY
EULESS TEXAS 76040
ORIGINAL ISSUE

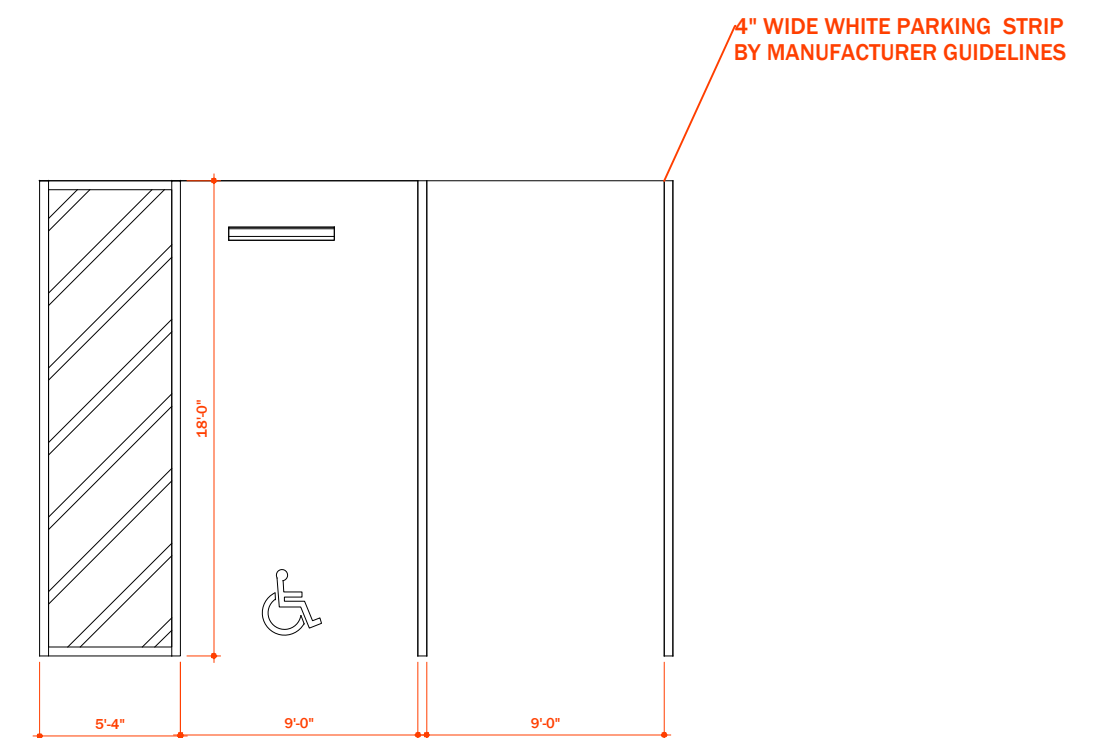
SUP
DOCUMENTS
REVISIONS

TITLE:

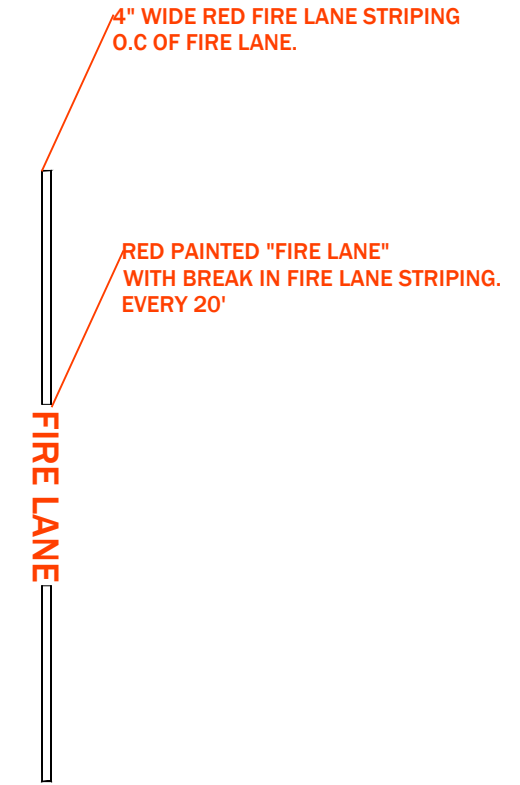
SITE DETAILS
PROJECT NUMBER: 20.02.01

DATE: 12/27/19

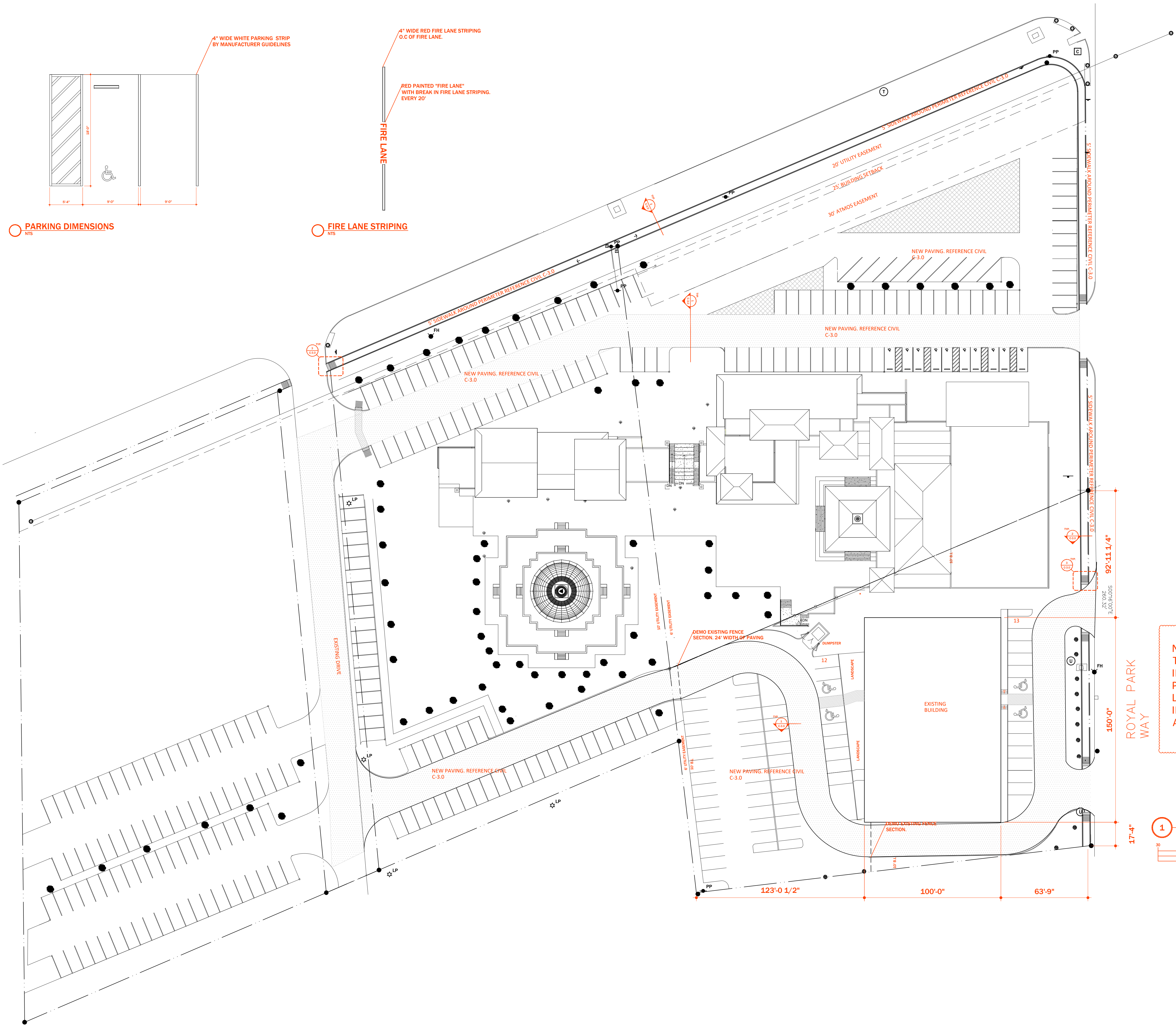
SHEET:



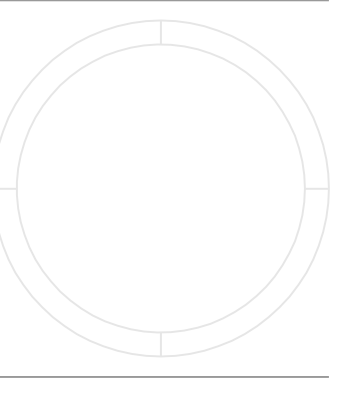
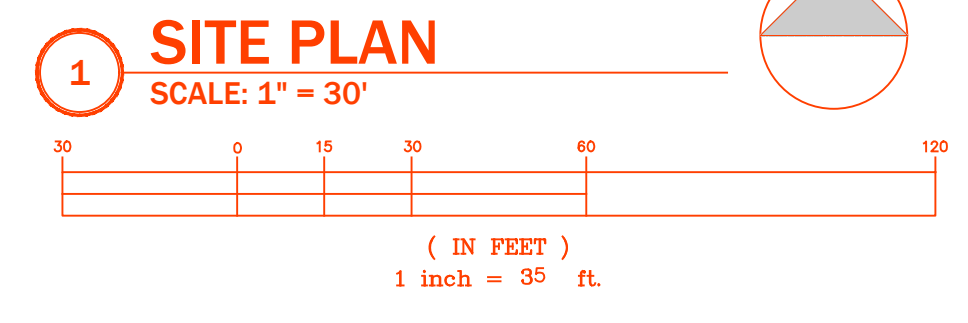
PARKING DIMENSIONS
N/S



FIRE LANE STRIPING
N/S



NOTE:
THE ENTIRE FIRE LANE WILL BE INSTALLED FROM ROYAL PARKWAY TO EXISTING FIRE LANE ON WEST SIDE, PRIOR TO INSTALLING ANY FURNITURE OR APPROVAL FOR OCCUPANCY



SITE PLAN

SCALE: 1" = 30'

A0.0

DRAWN BY: YOU

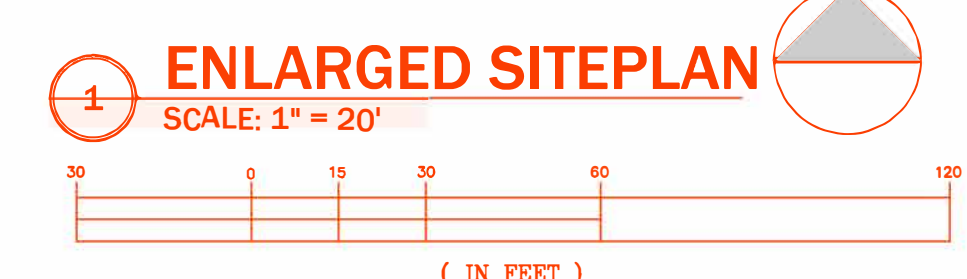
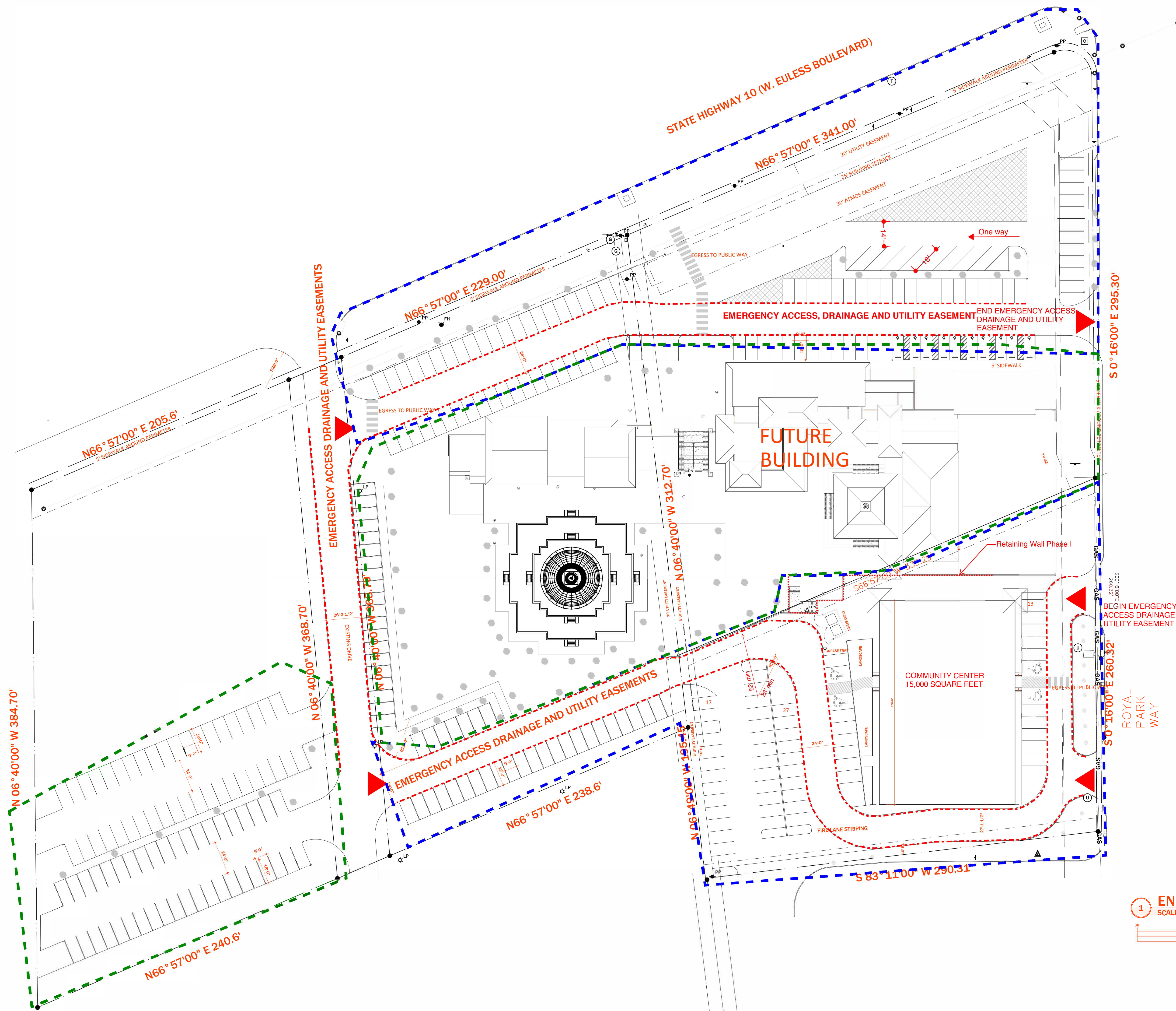
LANDSCAPING CALCULATIONS

STREETYARD: 31,856 S.F.

LANDSCAPING: 61,689 S.F.

PHASE I CONSTRUCTION

PHASE II CONSTRUCTION



Affixation Date: 05/20/2020

PHASING PLAN

SCALE: 1" = 20'

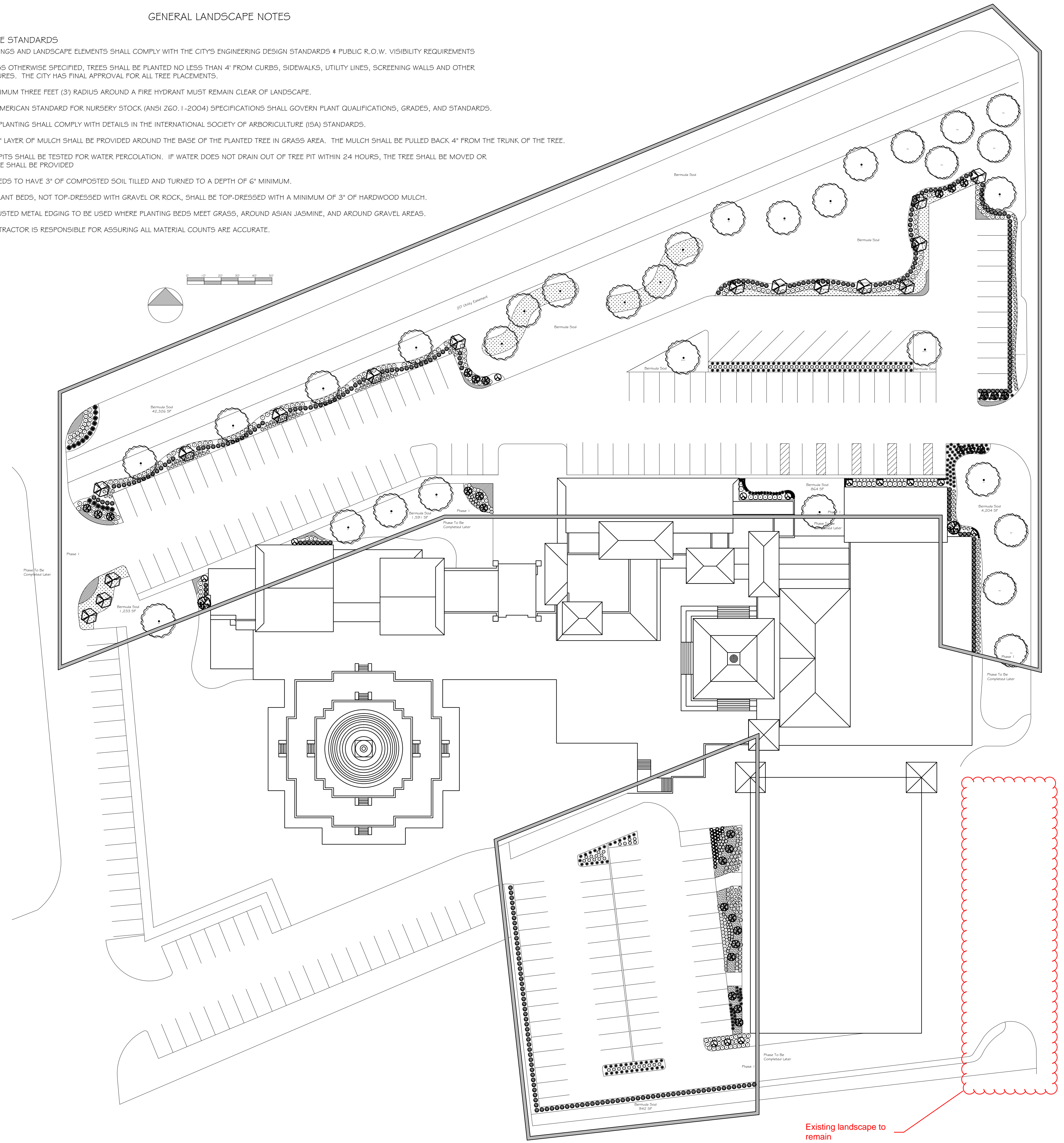
A0.01

DRAWN BY: YOU

PLANT LEGEND					
SYMBOL	AMOUNT	COMMON NAME	SCIENTIFIC NAME	SIZE	SPACING
	15	LIVE OAK	QUERCUS VIRGINIANA	5" CALIPER	AS SHOWN
	3	MULTI-TRUNK LIVE OAK	QUERCUS VIRGINIANA	5" CALIPER	AS SHOWN
	8	SHUMARD RED OAK	QUERCUS SHUMARDI	5" CALIPER	AS SHOWN
	13	MAGNOLIA 'D.D. BLANCHARD'	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	100 GALLON	AS SHOWN
	2	LITTLE GEM MAGNOLIA	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	100 GALLON	AS SHOWN
	32	EASTERN REDBUD	CERCIS CANADENSIS	45 GALLON	AS SHOWN
	13	NELLIE R. STEVENS HOLLY	ILEX 'NELLIE R. STEVENS'	45 GALLON	AS SHOWN
	24	JAPANESE YEW HICKS	JAPANESE YEW HICKSII	7 GALLON	AS SHOWN
	229	DWARF YAUPON HOLLY	ILEX VOMITORIA 'NANA'	7 GALLON	AS SHOWN
	331	DWARF BURFORD HOLLY	ILEX CORNUTA 'DWARF BURFORD'	7 GALLON	AS SHOWN
	17	SUNSHINE LIGUSTRUM	LIGUSTRUM SINENSE 'SUNSHINE'	7 GALLON	AS SHOWN
	168	ABELIA 'KALEIDOSCOPE'	ABELIA X GRANDIFLORA 'KALEIDOSCOPE'	3 GALLON	AS SHOWN
	113	MEXICAN BUSH SAGE	SALVIA LEUCANTHA	3 GALLON	AS SHOWN
	51	DWARF POMEGRANATE	PUNICA GRANATUM 'NANA'	3 GALLON	AS SHOWN
	21	DWARF GARDENIA	GARDENIA RADICANS	3 GALLON	24" O.C.
	12	HOLLY FERN	CYRTOMIUM FALCATUM	3 GALLON	24" O.C.
	29	SALVIA GREGGI - PINK	SALVIA GREGGI	3 GALLON	24" O.C.
	212	PINK MUHLY GRASS	MUHLENBERGIA CAPILLARIS	1 GALLON	36" O.C. OR AS SHOWN
	58	SHASTA DAISY	LEUCANTHEMUM X SUPERBUM	1 GALLON	24" O.C. OR AS SHOWN
	66	LIRIOPE 'BIG BLUE'	LIRIOPE MUSCARI	1 GALLON	12" O.C.
	550	BLACK STAR GRAVEL	2" DEPTH RIVER ROCK BED WITH LANDSCAPE FABRIC BENEATH <1" SIZE - METAL EDGING AROUND	SQUARE FEET	100% COVERAGE
	471	ANNUAL COLOR	4" POTS COLOR SCHEME - RED/PINK/WHITE	SQUARE FEET	100% COVERAGE
	2,522	ASIAN JASMINE GROUNDCOVER	4" POTS BROWN METAL EDGING AROUND	SQUARE FEET	100% COVERAGE
	51,160	BERMUDA SOD TIF 419		SQUARE FEET	100% COVERAGE
	2,115	4" BROWN METAL EDGING		LINEAR FEET	

GENERAL LANDSCAPE NOTES

- LANDSCAPE STANDARDS
1. PLANTINGS AND LANDSCAPE ELEMENTS SHALL COMPLY WITH THE CITY'S ENGINEERING DESIGN STANDARDS & PUBLIC R.O.W. VISIBILITY REQUIREMENTS
 2. UNLESS OTHERWISE SPECIFIED, TREES SHALL BE PLANTED NO LESS THAN 4' FROM CURBS, SIDEWALKS, UTILITY LINES, SCREENING WALLS AND OTHER STRUCTURES. THE CITY HAS FINAL APPROVAL FOR ALL TREE PLACEMENTS.
 3. A MINIMUM THREE FEET (3') RADIUS AROUND A FIRE HYDRANT MUST REMAIN CLEAR OF LANDSCAPE.
 4. THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) SPECIFICATIONS SHALL GOVERN PLANT QUALIFICATIONS, GRADES, AND STANDARDS.
 5. TREE PLANTING SHALL COMPLY WITH DETAILS IN THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) STANDARDS.
 6. A 2-3" LAYER OF MULCH SHALL BE PROVIDED AROUND THE BASE OF THE PLANTED TREE IN GRASS AREA. THE MULCH SHALL BE PULLED BACK 4" FROM THE TRUNK OF THE TREE.
 7. TREE PITS SHALL BE TESTED FOR WATER PERCOLATION. IF WATER DOES NOT DRAIN OUT OF TREE PIT WITHIN 24 HOURS, THE TREE SHALL BE MOVED OR DRAINAGE SHALL BE PROVIDED
 8. ALL BEDS TO HAVE 3" OF COMPOSTED SOIL TILLED AND TURNED TO A DEPTH OF 6" MINIMUM.
 9. ALL PLANT BEDS, NOT TOP-DRESSED WITH GRAVEL OR ROCK, SHALL BE TOP-DRESSED WITH A MINIMUM OF 3" OF HARDWOOD MULCH.
 10. 4" RUSTED METAL EDGING TO BE USED WHERE PLANTING BEDS MEET GRASS, AROUND ASIAN JASMINE, AND AROUND GRAVEL AREAS.
11. CONTRACTOR IS RESPONSIBLE FOR ASSURING ALL MATERIAL COUNTS ARE ACCURATE.



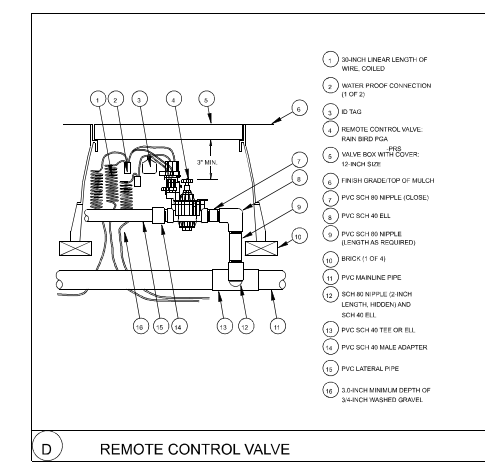
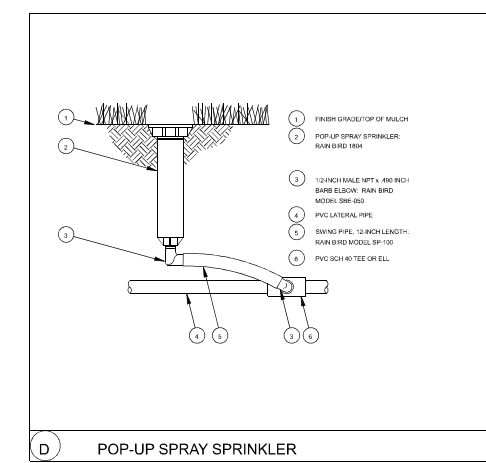
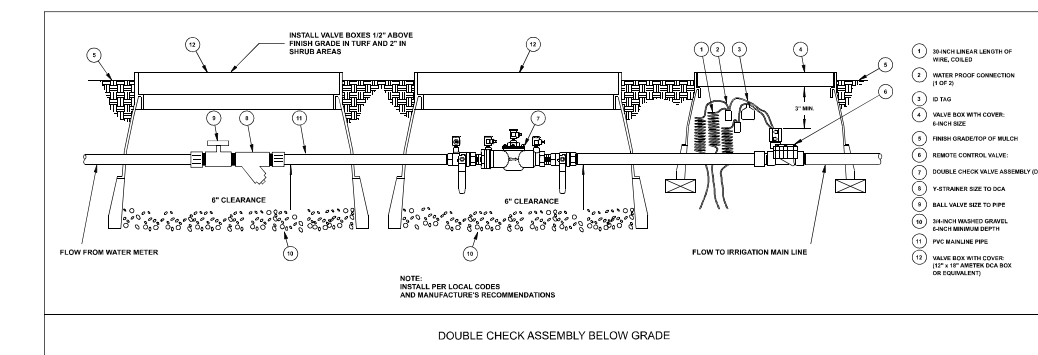
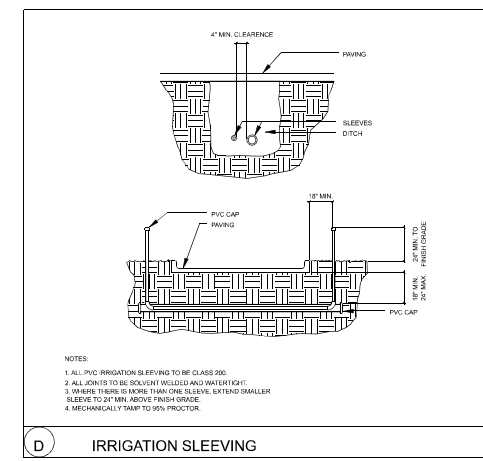
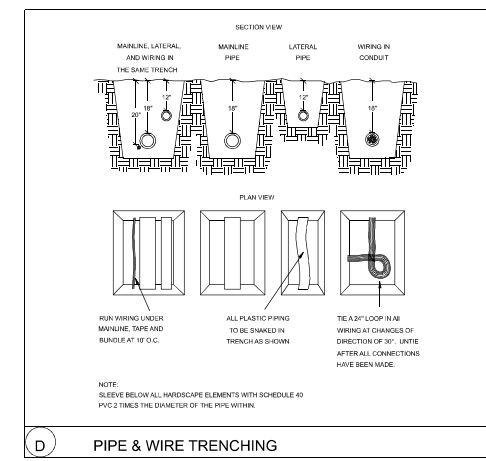
ARTEC INTEGRATED LLC
 7700 WINDROSE AVE
 SUITE 6300
 PLANO, TEXAS 75024
 75% ENGINEERING FIRM # 18272
 100% ARCHITECTURE BB-1107
 artec solutions
 972.862.4507

PROJECT
NEPALI MANDIR

1212 ROYAL PARKWAY
 EULESS TEXAS, 76040

DATE	PROJECT NO.	DATE NO.
REVISION	DATE	
1		
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DATE:	DATE
PROJECT NO.	NO.
REVISION	DATE
1	
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Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
Irrigation						
Sprinklers						
1	●	Hunter MP1000 180° - PROS-04-PRS30	MP1000 90-210°	30 psi	0.32 gpm 12 ft	
1	●	Hunter MP1000 360° - PROS-04-PRS30	MP1000 360°	30 psi	0.85 gpm 12 ft	
166	●	Hunter MP0000 180° - PROS-04-PRS30	MP0000 90-210°	30 psi	0.63 gpm 17 ft	
2	●	Hunter MP0000 270° - PROS-04-PRS30	MP0000 270-270°	30 psi	0.85 gpm 17 ft	
8	●	Hunter MP0000 360° - PROS-04-PRS30	MP0000 360°	30 psi	1.27 gpm 17 ft	
19	●	Hunter MP0000 80° - PROS-04-PRS30	MP0000 90-210°	30 psi	0.33 gpm 18 ft	
197	●	Hunter MP0000 180° - PROS-04-PRS30	MP0000 90-210°	30 psi	1.58 gpm 27 ft	
44	●	Hunter MP0000 360° - PROS-04-PRS30	MP0000 360°	30 psi	3.15 gpm 27 ft	
20	●	Hunter MP0000 80° - PROS-04-PRS30	MP0000 90-210°	30 psi	0.74 gpm 27 ft	
2	●	Rain Bird 150° - 1804	150°	30 psi	1.58 gpm 10 ft	
12	●	Rain Bird 150° - 1804	150°	30 psi	0.79 gpm 10 ft	
10	●	Rain Bird 150° - 1804	150°	30 psi	0.38 gpm 10 ft	
3	●	Rain Bird 12° - 1804	12°	30 psi	2.8 gpm 12 ft	
9	●	Rain Bird 54° - 1804	54°	30 psi	1.3 gpm 12 ft	
9	●	Rain Bird 120° - 1804	120°	30 psi	0.85 gpm 12 ft	
23	●	Rain Bird 140°	140°	30 psi	0.5 gpm 10 ft	
6	●	Rain Bird 15EST - 1804	15EST	30 psi	0.81 gpm 15 x 4 ft	
19	●	Rain Bird 15SST - 1804	15SST	30 psi	1.21 gpm 16 x 4 ft	
3	●	Rain Bird 54 - 1804	54	30 psi	0.2 gpm 5 ft	
1	●	Rain Bird 54 - 1804	54	30 psi	0.1 gpm 5 ft	
1	●	Rain Bird 8F - 1804	8F	30 psi	1.05 gpm 8 ft	
4	●	Rain Bird 84 - 1804	84	30 psi	0.52 gpm 8 ft	
3	●	Rain Bird 8Q - 1804	8Q	30 psi	0.26 gpm 8 ft	
Meters/Pumps						
1	■	2 inch meter				
1	■	2 inch meter				
Backflow Devices						
2	□	Febco 850 - 2"	850 - 2"			
Control Valves						
32	▢	Rain Bird 150-PGA Angle	150-PGA			
2	▢	Rain Bird 200-PGA Angle	200-PGA			
1	▢	Rain Bird XCZ-100-COM	XCZ-100-COM			
4	▢	Rain Bird XCZ-100-PRB-COM	XCZ-PRB-100-COM			
7	▢	Rain Bird XCZ-PRB-100-COM	XCZ-PRB-100-COM			
Irrigation Accessories						
2	○	Nibco 2" isolation valve				
1	△	Rain Bird ESP-LXD	ESP-LXD			
1	△	Rain Bird Rain-Head Sensor				
2	△	Wilkins 2" Wire Strainer SKL				
Lateral Line Pipe						
1205 ft	—	Class 200 3/4"	0			
4274 ft	—	Class 200 1"	0			
Mainline Pipe						
2765 ft	—	Class 200 2"	0			
Sleeving						
164 ft	—	Class 160 4"	0			
Drip Tubing						
17060 ft	—	Rain Bird XFS-06-18	XFS-06-18			



IRRIGATION
DETAILS

SCALE: X"=1'-0"

A0.3

DATE:	DATE
PROJECT NO.	NO.
REVISION	DATE
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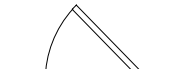
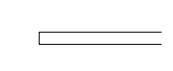
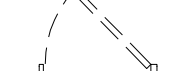
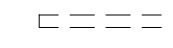
GENERAL NOTES

- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL SHEET, WHERE APPLICABLE, FOR ADDITIONAL DEMO INFO.
- ON ALL WALLS SCHEDULED TO REMAIN, TO BE REWORKED, OR RECEIVE NEW FINISH, CONTRACTORS SHALL REMOVE ANY EXISTING EQUIPMENT AND SALVAGE FOR REINSTALLATION AS DIRECTED BY OWNER. CONTRACTOR IS TO PATCH ANY HOLES OR ABANDONED ANCHORS AND RETEXTURE WALLS IF NECESSARY, AND PREP FOR NEW FINISH AS SCHEDULED.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES
- ALL ITEMS INDICATED TO BE SALVAGED ARE TO BE VERIFIED WITH THE OWNER. IF OWNER DECLINES SALVAGE, CONTRACTOR SHALL REMOVE ITEMS FROM THE SITE AND DISPOSE OF THEM PROPERLY.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REINSTALLATION OF ANY PLUMBING FIXTURES, ELECTRICAL ITEMS, TOILET ACCESSORIES, WALL-HUNG EQUIPMENT, ETC. WHERE WALLS ARE TO RECEIVE NEW FINISHES. ALL ITEMS ARE TO BE REINSTALLED IN COMPLIANCE WITH T.A.S. REQUIREMENTS
- ALL HOLLOW CORE DOORS ARE TO BE REPLACED WITH SOLID-CORE DOORS.
- ALL EXISTING SOLID CORE DOORS ARE TO REMAIN AND BE REFINISHED AS SPECIFIED.
- REMOVE/REPAIR ANY ABANDONED WALL ANCHORS OR HOLES FOR NEW FINISH.
- PATCH AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGES DUE TO FIXTURE OR DEVICE REMOVAL, RELOCATION, MACH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
- ALL EXISTING FLOORING TO BE REMOVED AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO FINISH SCHEDULE.

KEYED NOTES

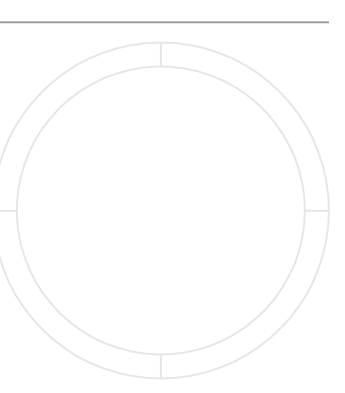
- REMOVE EXISTING FLOORING AND BASE. PREPARE FLOOR FOR NEW FINISH. REFERENCE FINISH AND MATERIAL SCHEDULE.
- PREPARE WALLS TO REMAIN TO RECEIVE NEW PAINT, REPAIR ANY DAMAGE TO WALLS. RE-TEXTURE TO MATCH EXISTING.
- CEILING GRID TO REMAIN. REPLACE ALL CEILING TILES.

DEMOLITION PLAN LEGEND

-  EXISTING DOOR TO REMAIN
-  EXISTING WALL TO REMAIN
-  EXISTING DOOR TO BE REMOVED
-  EXISTING WALL TO BE REMOVED



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

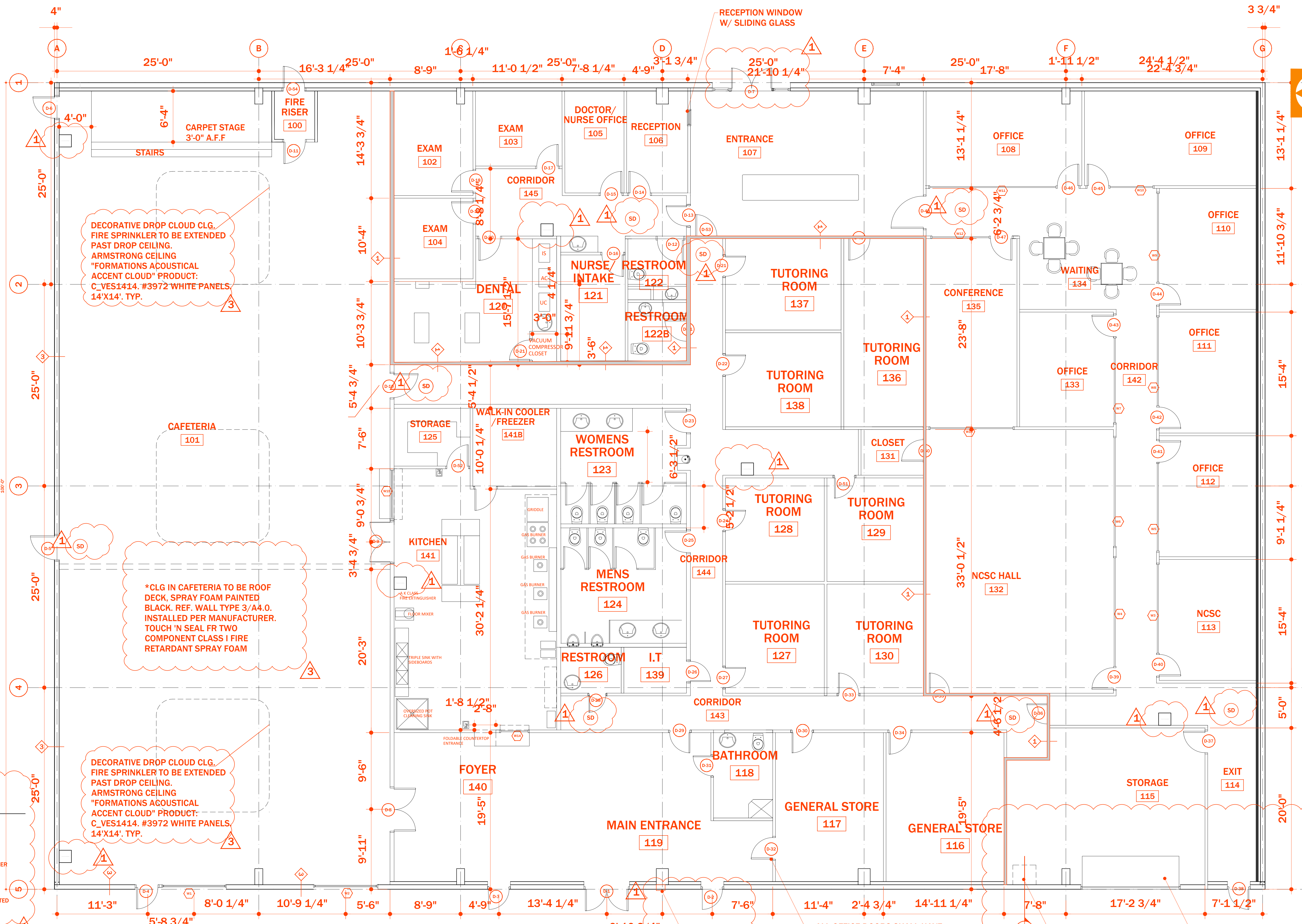


DEMOLITION PLAN

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

A1.0

DRAWN BY: YOU



DECORATIVE DROP CLOUD CLG. FIRE SPRINKLER TO BE EXTENDED PAST DROP CEILING. ARMSTRONG CEILING "FORMATIONS ACOUSTICAL ACCENT CLOUD" PRODUCT: C_VES1414. #3972 WHITE PANELS, 14'X14', TYP.

*CLG IN CAFETERIA TO BE ROOF DECK, SPRAY FOAM PAINTED BLACK. REF. WALL TYPE 3/A4.0. INSTALLED PER MANUFACTURER. TOUCH 'N SEAL FR TWO COMPONENT CLASS I FIRE RETARDANT SPRAY FOAM

DECORATIVE DROP CLOUD CLG. FIRE SPRINKLER TO BE EXTENDED PAST DROP CEILING. ARMSTRONG CEILING "FORMATIONS ACOUSTICAL ACCENT CLOUD" PRODUCT: C_VES1414. #3972 WHITE PANELS, 14'X14', TYP.

PLAN LEGEND

- 1 HOUR FIRE WALL
- EXISTING WALL
- TYP. FIRE EXTINGUISHER 2A:10B:C MIN. SIZE
- SMOKE DETECTOR REQUIRED IN NON-RATED EXIT CORRIDORS

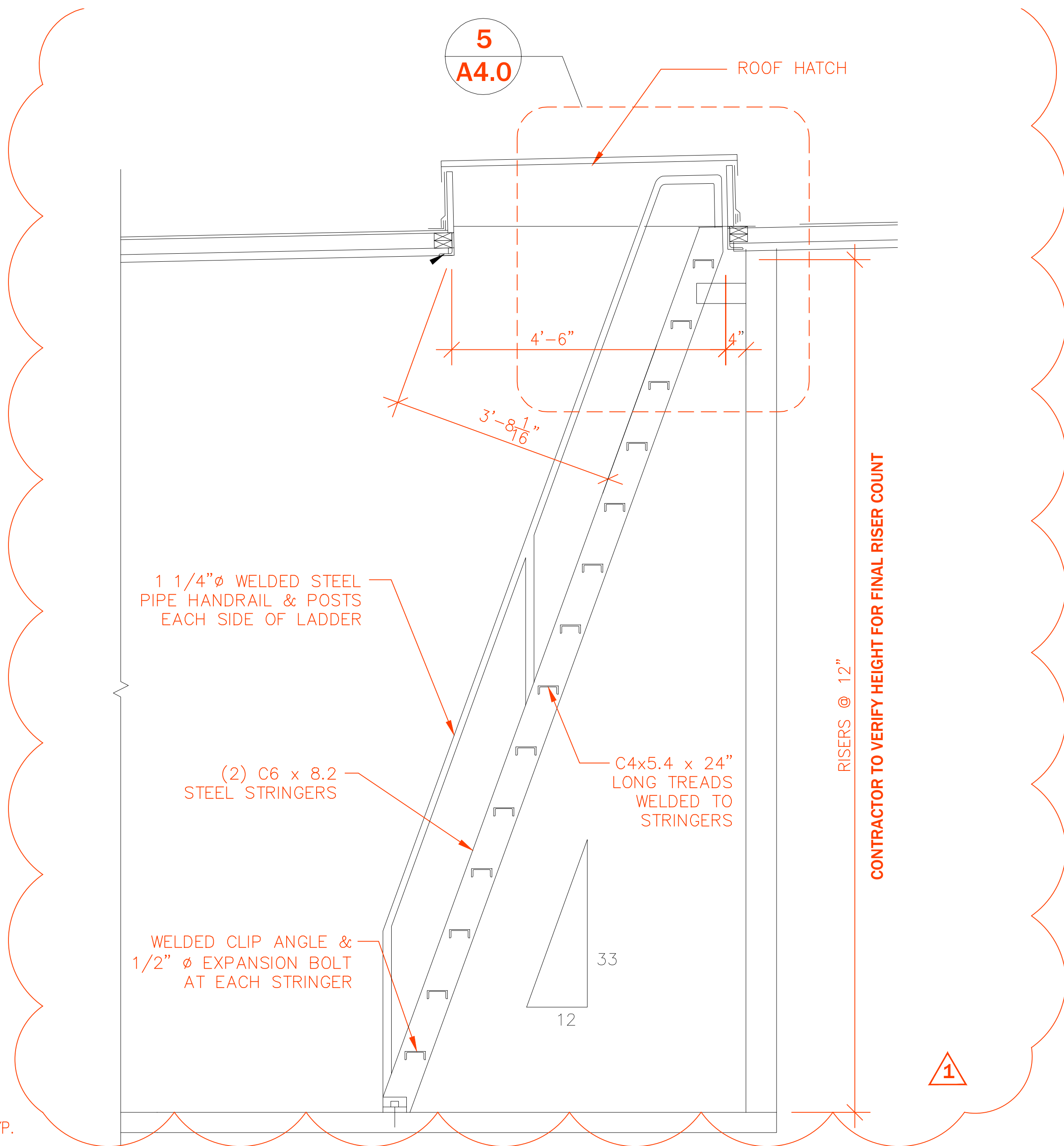
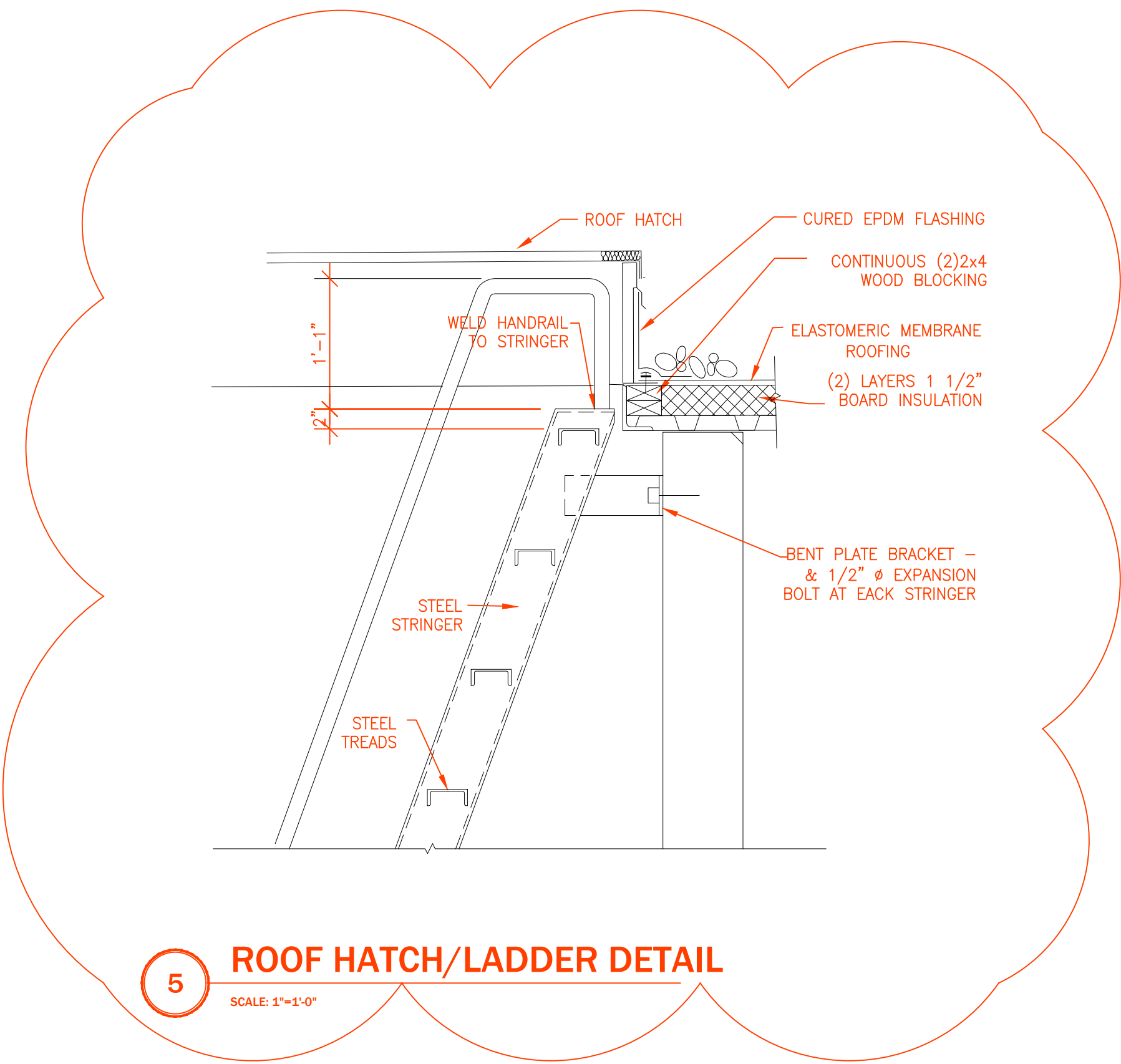
1 FLOOR PLAN
 SCALE: 3/16" = 1'-0"

ALL OFFICE DOORS SHALL HAVE FULL GLASS PANELS, 2'-8" WINDOWS STARTING 4'-0" A.F.F.

PERMANENT ROOF ACCESS LADDER

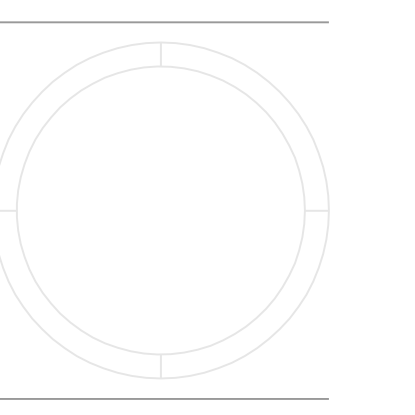
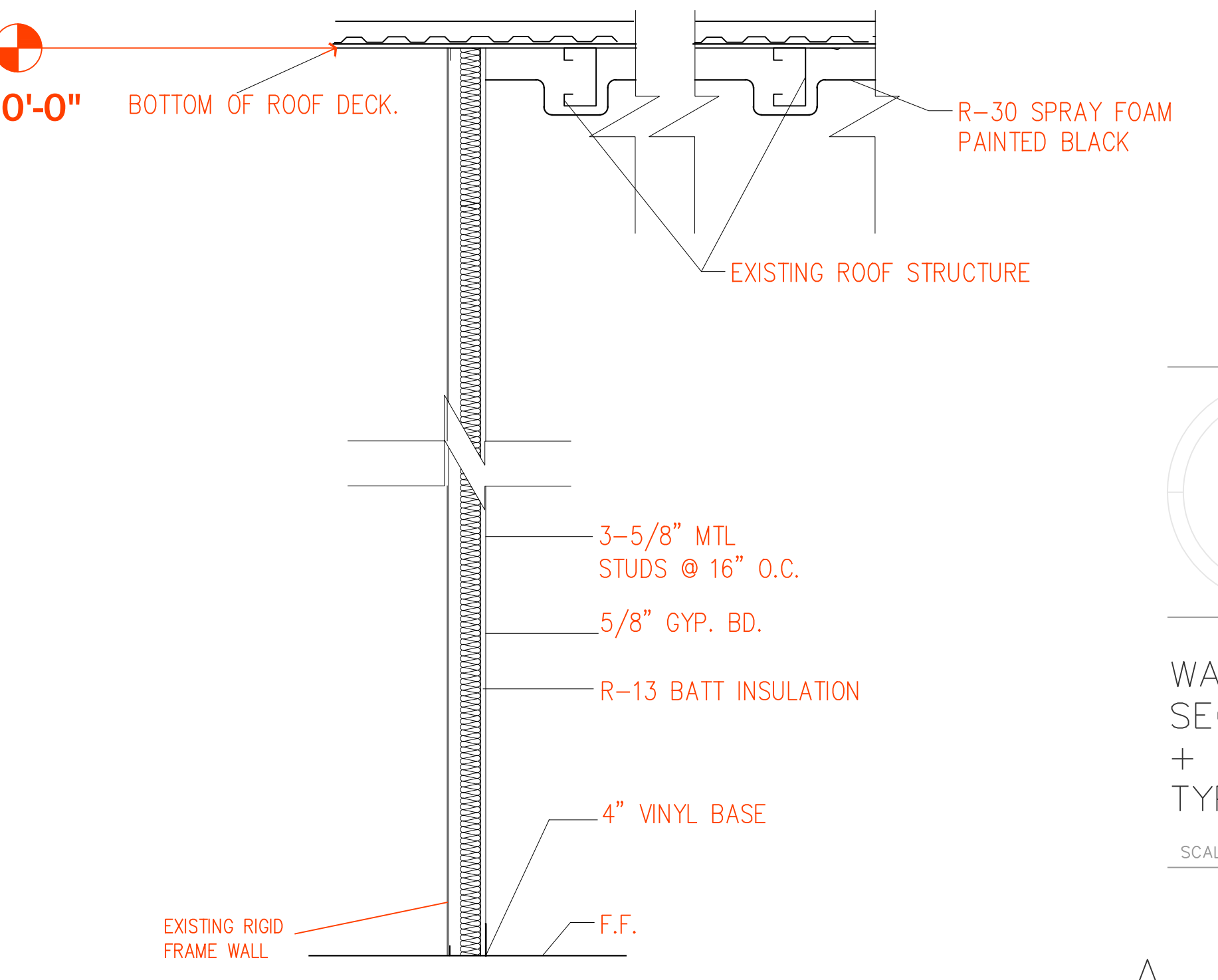
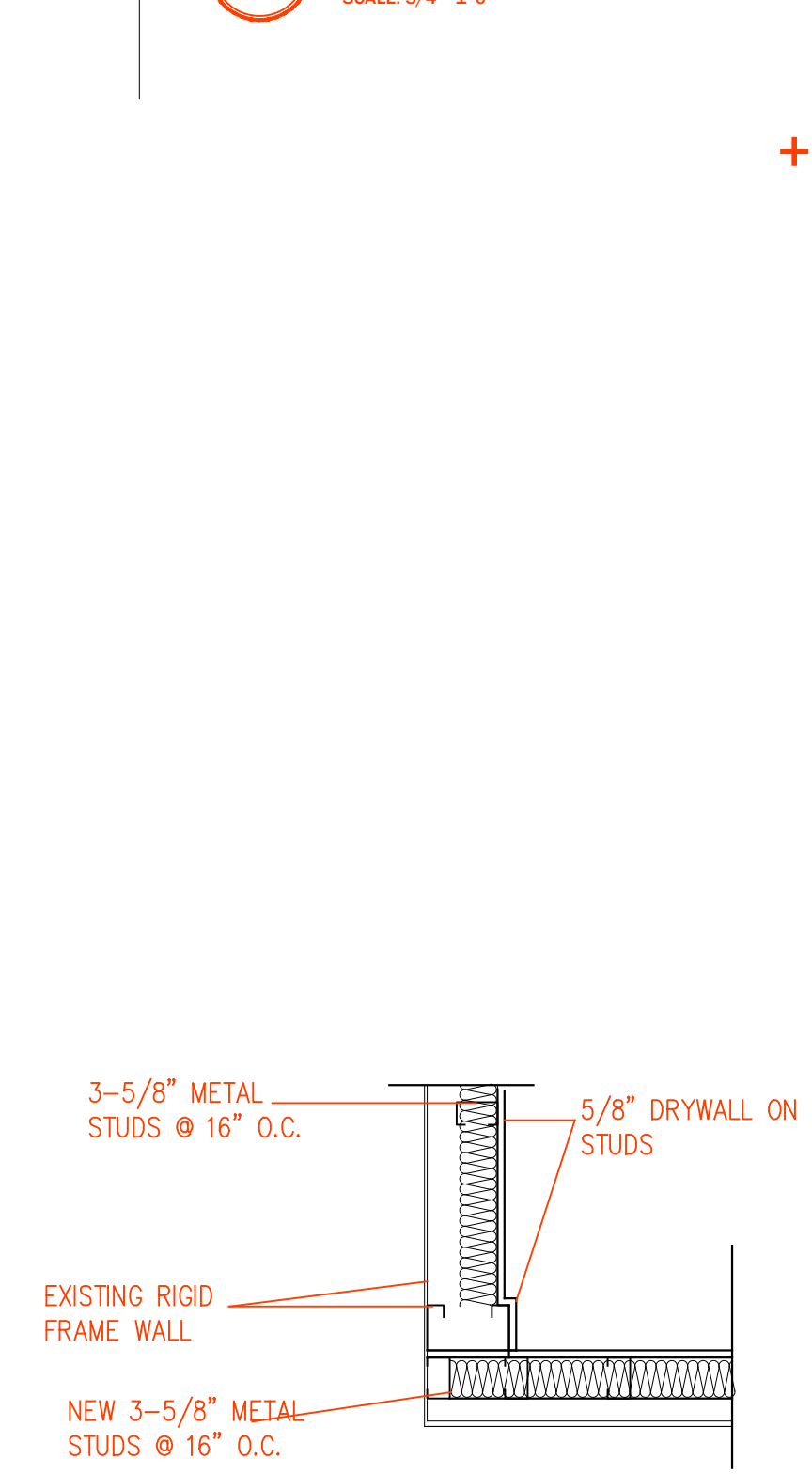
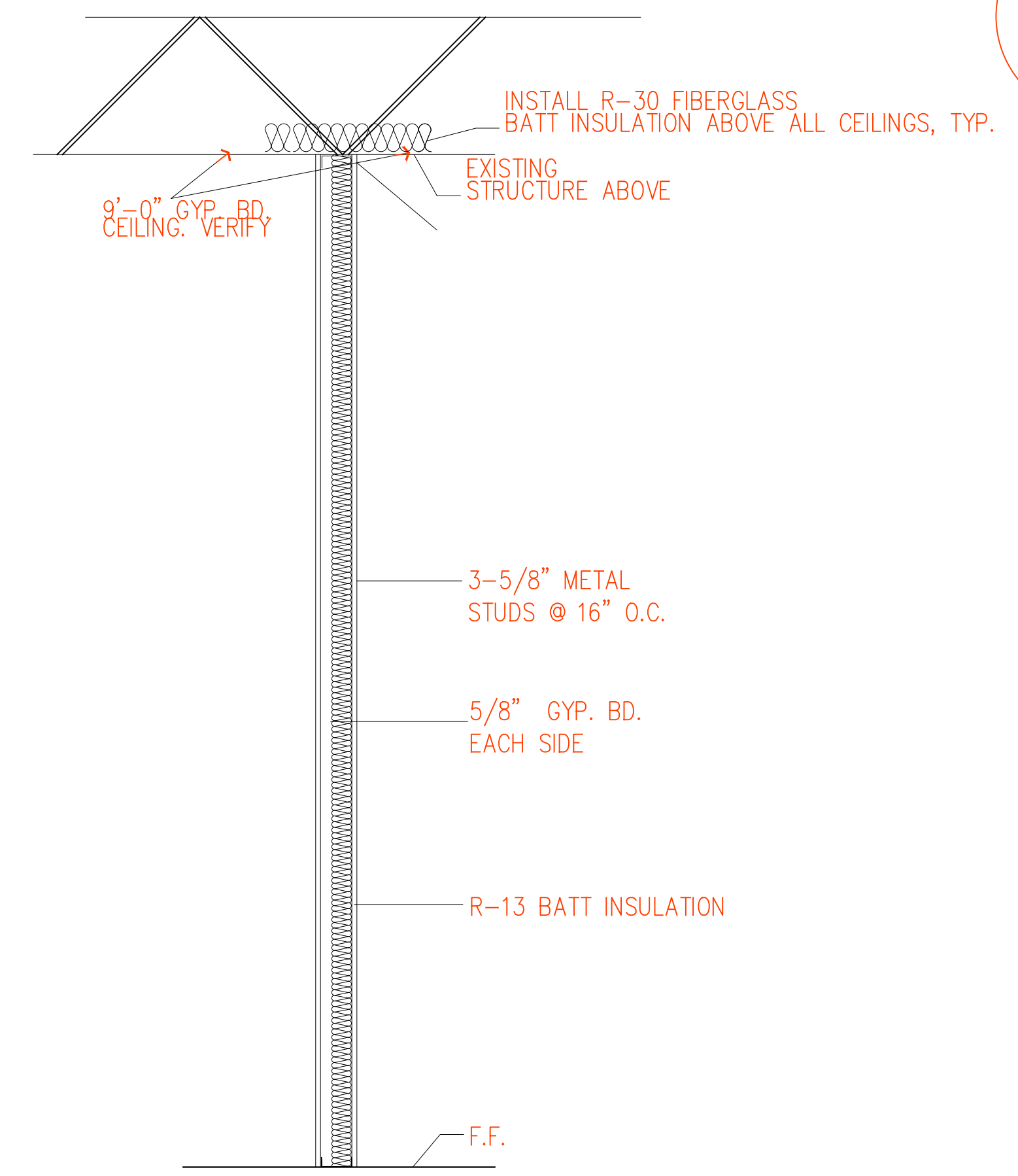
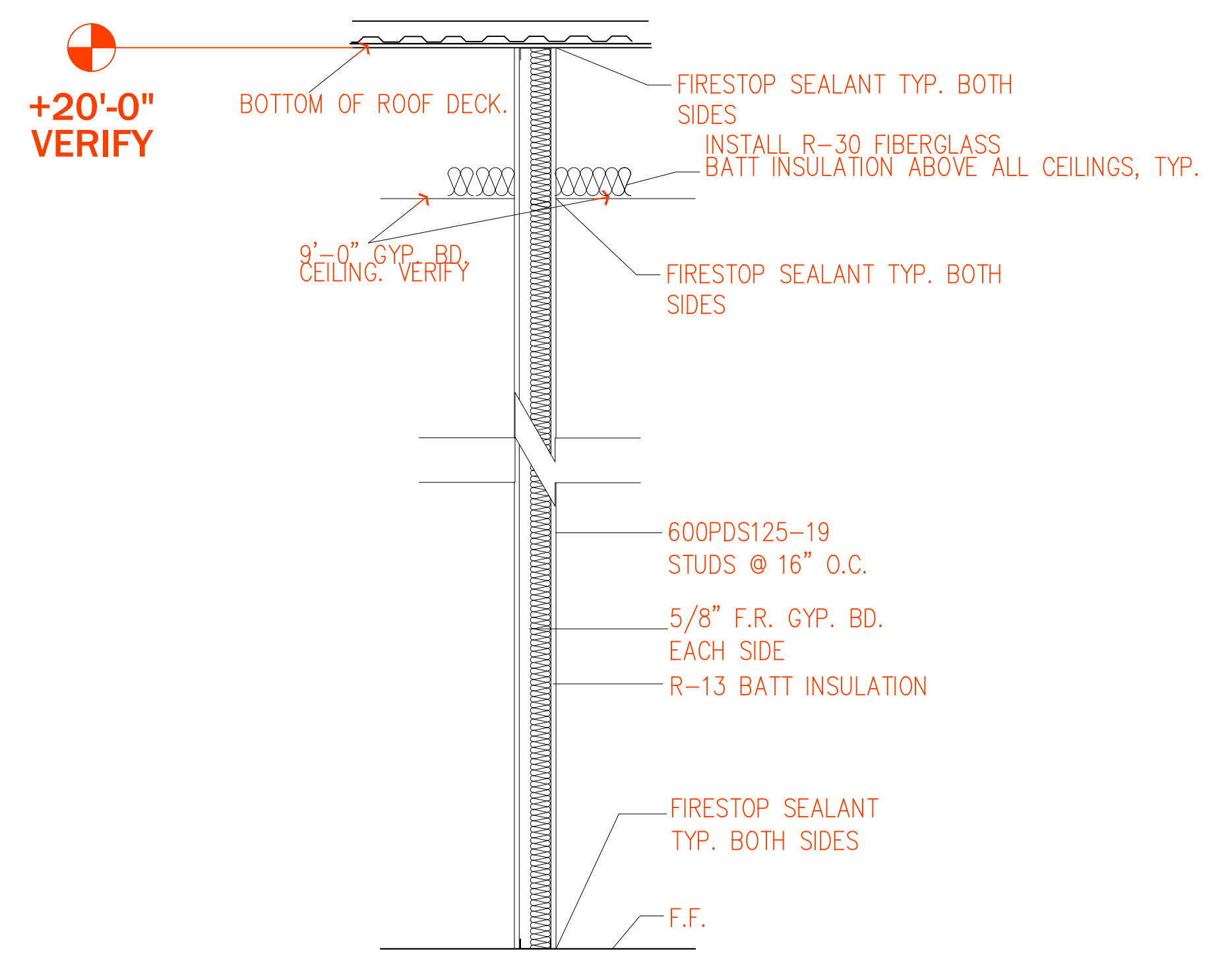
EXISTING OVERHEAD DOOR TO REMAIN

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

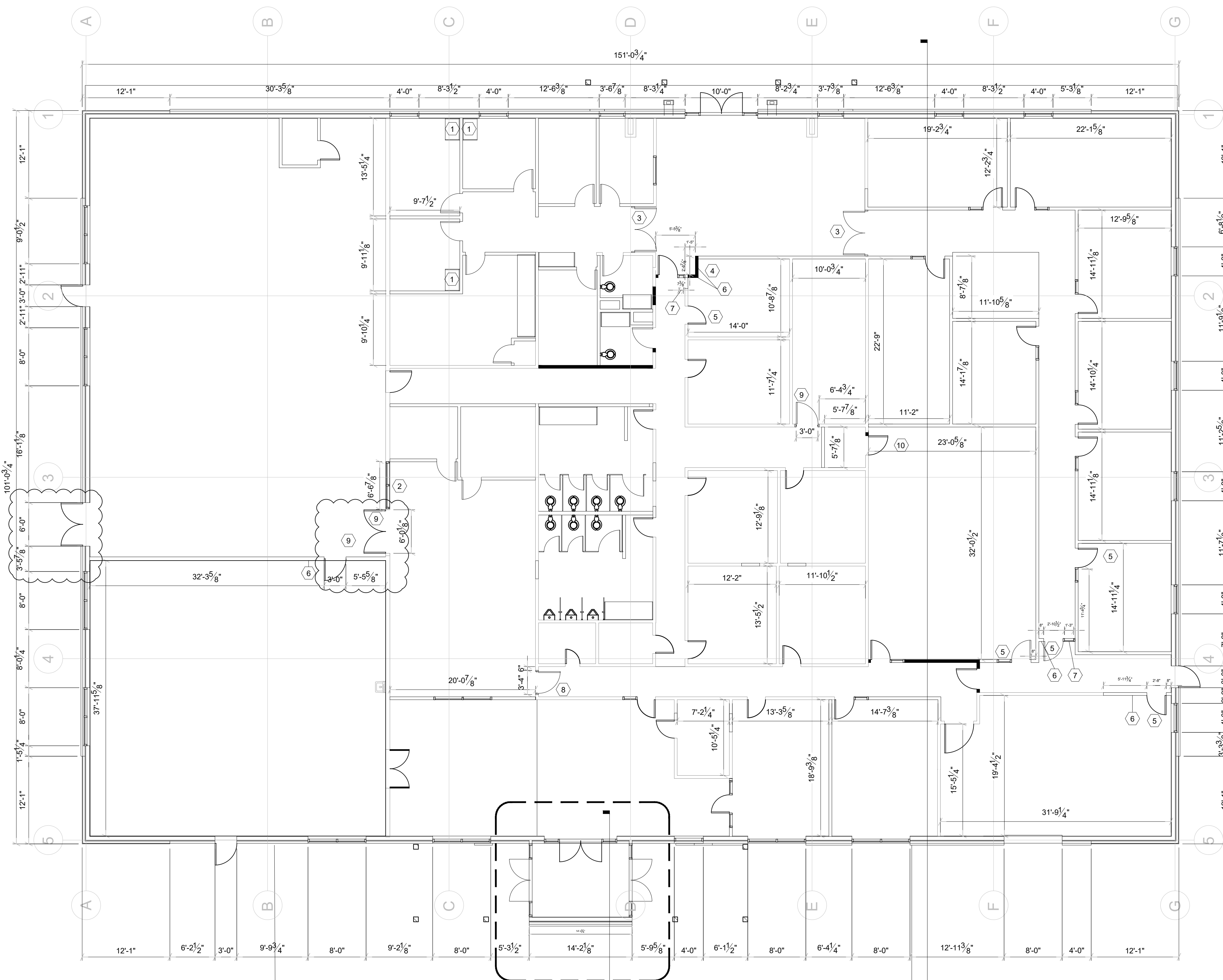


WALL TYPES

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



WALL SECTIONS + WALL TYPES
SCALE: 1"=1'-0"



1 FLOOR PLAN
A2.0 SCALE: 1/8" = 1'-0"

2
A2.0

4
A5.0

1
A5.0

GENERAL NOTES

- CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS THE CONTRACTORS SHALL NOTIFY THE ARCHITECT AND/OR ENGINEER(S).
- VERIFY ALL DIMENSIONS, CONDITIONS, AND GRADES AT JOB SITE PRIOR TO COMMENCING WORK.
- VERIFY SIZE, LOCATION, AND CHARACTERISTICS, OF ALL WORK AND EQUIPMENT TO BE FURNISHED BY OWNER OR OTHERS, WITH THE MANUFACTURER OR SUPPLIER BEFORE ANY CONSTRUCTION PERTAINING TO SAME IS BEGUN.
- VERIFY SIZE AND LOCATION OF ALL OPENINGS FOR MECHANICAL EQUIPMENT AND WORK WITH CONTRACTORS INVOLVED.
- ERRORS AND/OR OMISSIONS IN ROOM, DOOR, AND WINDOW SCHEDULES DO NOT RELIEVE THE CONTRACTOR FROM EXECUTING WORK SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS.
- ALL DOORS 5" FROM WALL TO DOOR OPENING U.N.O. PLACEMENT OF DOOR AND FRAME SHALL COMPLY TO ADA AND TAS ACCESSIBILITY STANDARDS REF. ADA SHEET.
- ALL DIMENSIONS SHOWN TO FACE OF EXTERIOR WALLS ARE FACE OF STUD, ALL DIMENSIONS SHOWN TO INTERIOR WALLS ARE TO CENTERLINE OF STUD, OR FACE OF FINISH GYPSUM BOARD OR PLYWOOD.
- ALL EXTERIOR WALLS SHALL BE 2x6 WOOD STUDS AT 16" O.C. W/ 5/8" WATER RESISTANT GYPSUM BOARD ON THE INTERIOR FACE, U.O.N. ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED.
- ALL EXTERIOR JOINTS AROUND DOOR FRAMES & AT ALL PENETRATIONS THROUGH BUILDING ENVELOPE SHALL BE SEALED USING SEALANT & CAULKING. ADDITIONALLY, FOAM INSULATION SHALL BE PROVIDED IN & AROUND ALL WINDOW AND/OR DOOR FRAMES WHERE METAL MEETS WOOD FRAMING PLUS ALL EXTERIOR WALL OPENINGS/PENETRATIONS.
- ALL GLAZING WITHIN DOORS AND OPERABLE WINDOW, AND ALL GLAZING ADJACENT TO DOORS SHALL BE TEMPERED AS REQUIRED BY CURRENT BUILDING CODE.
- ANY TIME THE BUILDING IS OCCUPIED, THE MEANS OF EGRESS SHALL BE ILLUMINATED AT AN INTENSITY OF NOT LESS THAN 1 FOOT-CANDLE AT THE FLOOR LEVEL. SEE ELECTRICAL DRAWINGS.
- PROVIDE EXIT SIGNS FOR EGRESS IDENTIFICATION. SEE ELECTRICAL DRAWINGS.
- ALL FINISH SURFACES SHALL HAVE A FLAME SPREAD CLASSIFICATION OF CLASS C OR HIGHER (FLAME SPREAD INDEX 76 THROUGH 200 & A SMOKE DENSITY RATING OF 450).
- GENERAL CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS PER LOCAL FIRE MARSHAL. GENERAL CONTRACTOR TO INSTALL.
- PROVIDE 2x SOLID BLOCKING IN WALLS AS REQUIRED FOR REINFORCEMENT OF ALL GRAB BARS, RESTROOM FIXTURES, PLUMBING LINES, WALL BUMPERS AND MILLWORK ATTACHMENT, ETC.
- PROVIDE APPROVED EGRESS ILLUMINATION AND ILLUMINATED EXIT SIGNS. SEE ELECTRICAL DRAWINGS.
- PROVIDE APPROVED PANIC HARDWARE ON EXIT DOORS.

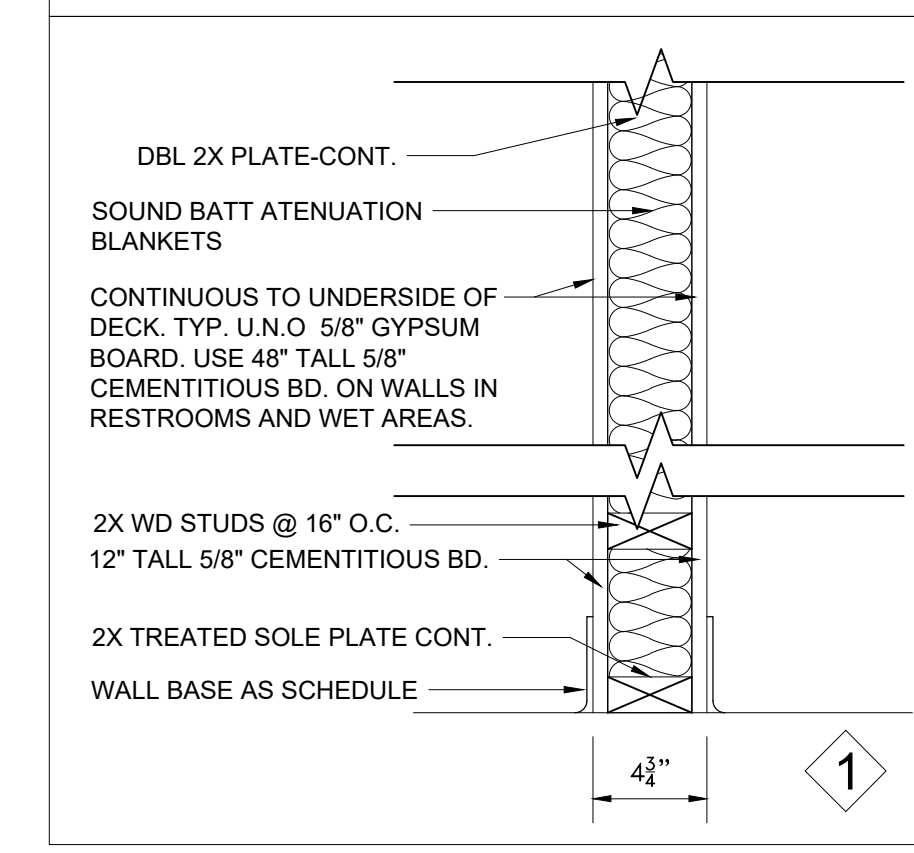
WALL TYPE NOTES

- ALL DIMENSIONS ON PLANS UNLESS OTHERWISE NOTED ARE TO FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD AND FROM FACE OF INTERIOR FINISH SURFACE TO FACE OF EXTERIOR FINISH SURFACE.
- FRAMER SHALL ALLOW FOR DRYWALL AND CORNER BEADS FOR PROPER FINISHED DIMENSIONS REQUIRED AT CRITICAL DIMENSIONS TO INSTALL EQUIPMENT.
- REFER TO SECTIONS AND DETAILS FOR INSULATION THICKNESS AND "R" RATINGS.

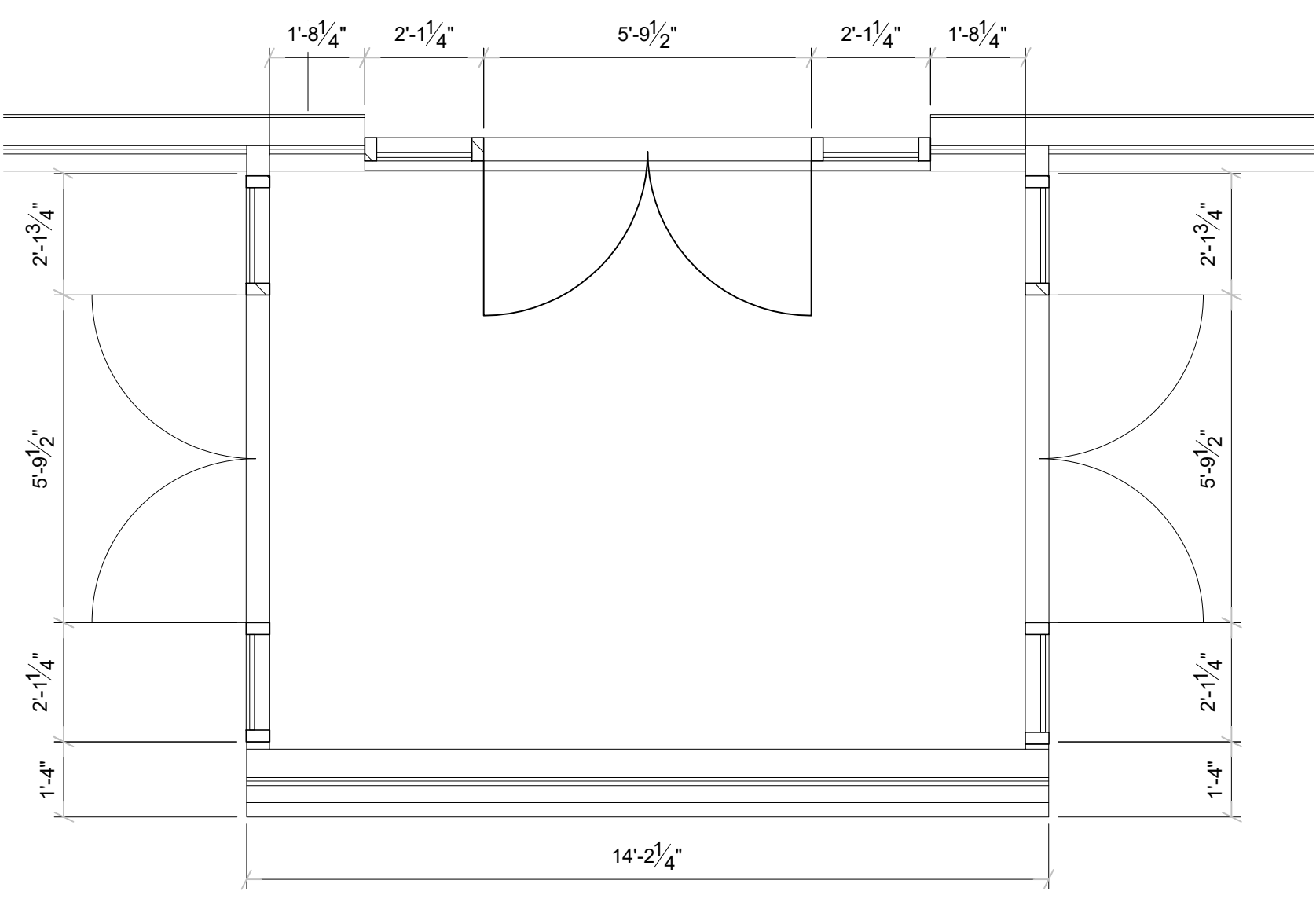
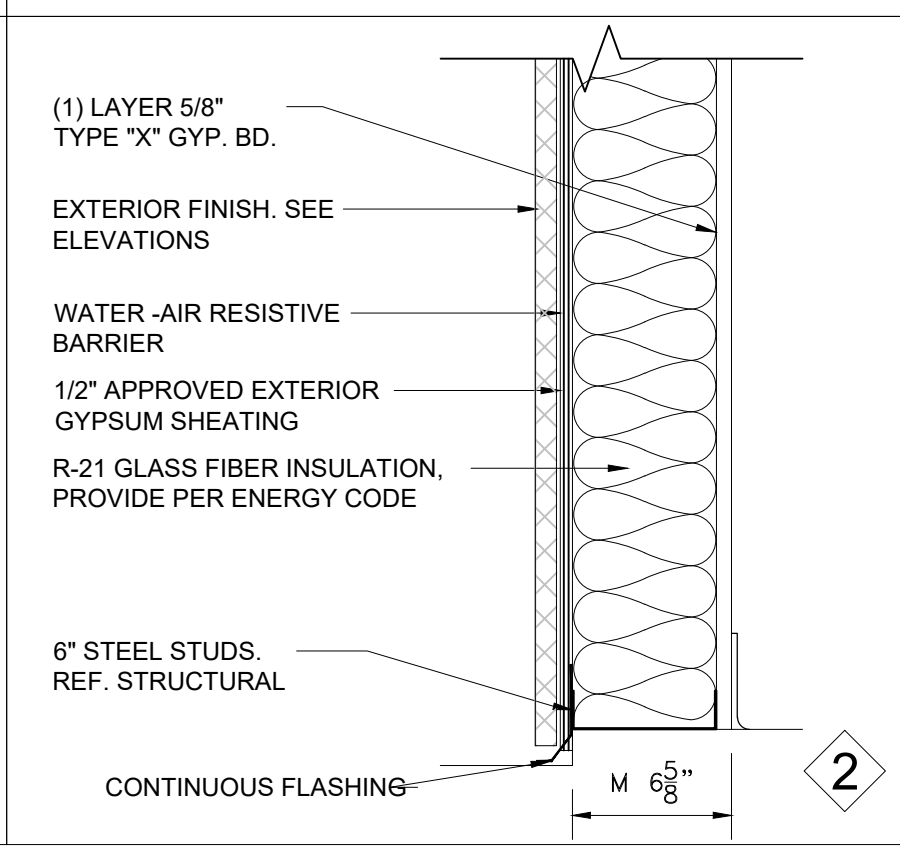
FLOOR PLAN KEY NOTES

- | | |
|---|----------------------------------|
| 1 GC TO INSTALL SINS AND INSULATED CABINETS. REF. 6/A7.0. | 6 NEW WALL. SEE WALL TYPE 1 |
| 2 SERVING WINDOW W/ SLIDING GLASS | 7 FULL WALL HEIGHT SIDELITE |
| 3 NEW DOUBLE DOORS | 8 EXISTING DOOR TO REMAIN |
| 4 NEW DOOR SIZE AND OPENING. ADA COMPLIANT | 9 NEW SINGLE DOOR |
| 5 REVISED DOOR LOCATION | 10 REVISED/FLIP DOOR STRIKE SIDE |

WALL TYPE 1 - INTERIOR WALL

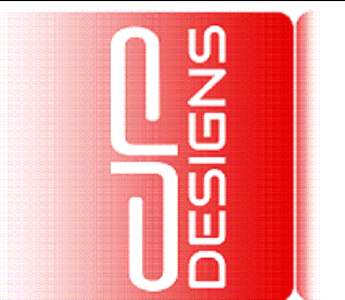


WALL TYPE 2 - EXTERIOR WALL

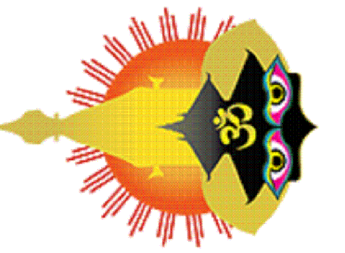


2 ENLARGED VESTIBULE FLOOR PLAN
A2.0 SCALE: 3/8" = 1'-0"

DRAWN BY: DP
CHECKED BY: DP



DESIGNS & DEVELOPMENT, LLC
214-675-9175
DANIEL@DP-DESIGNS.CO



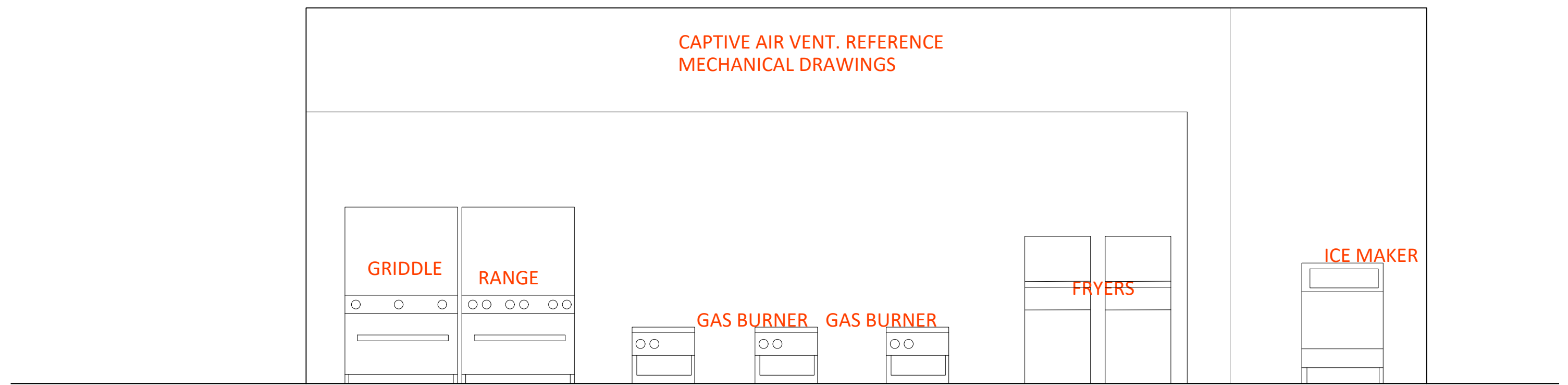
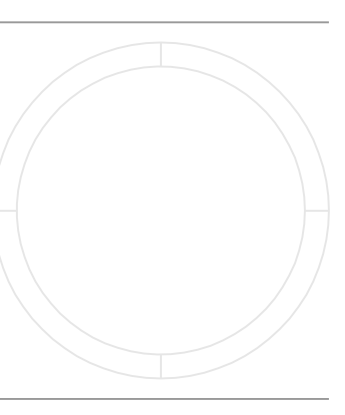
FLOOR PLAN
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

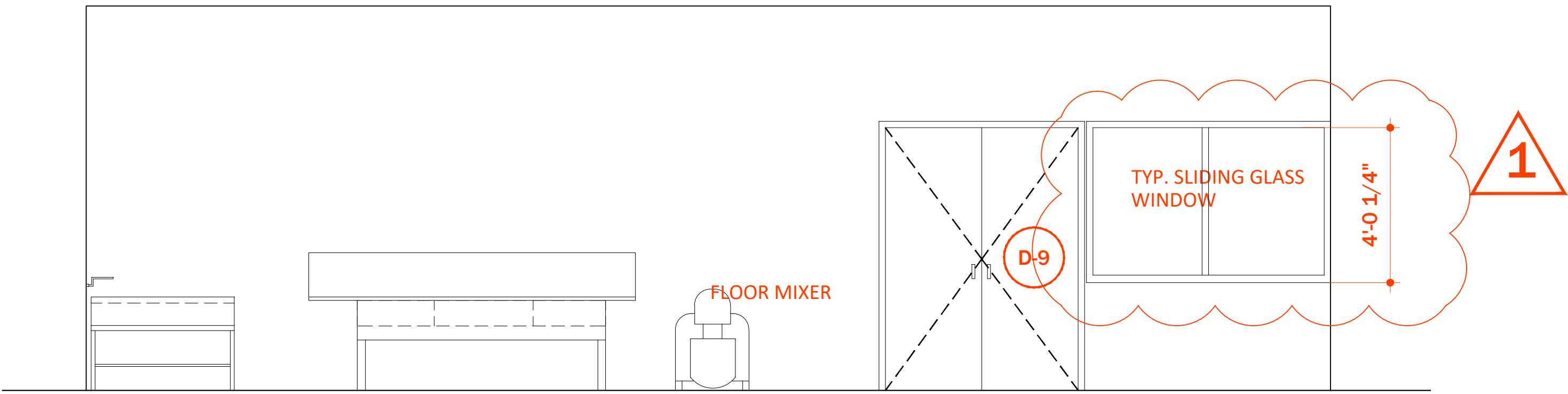
PROJECT NO.
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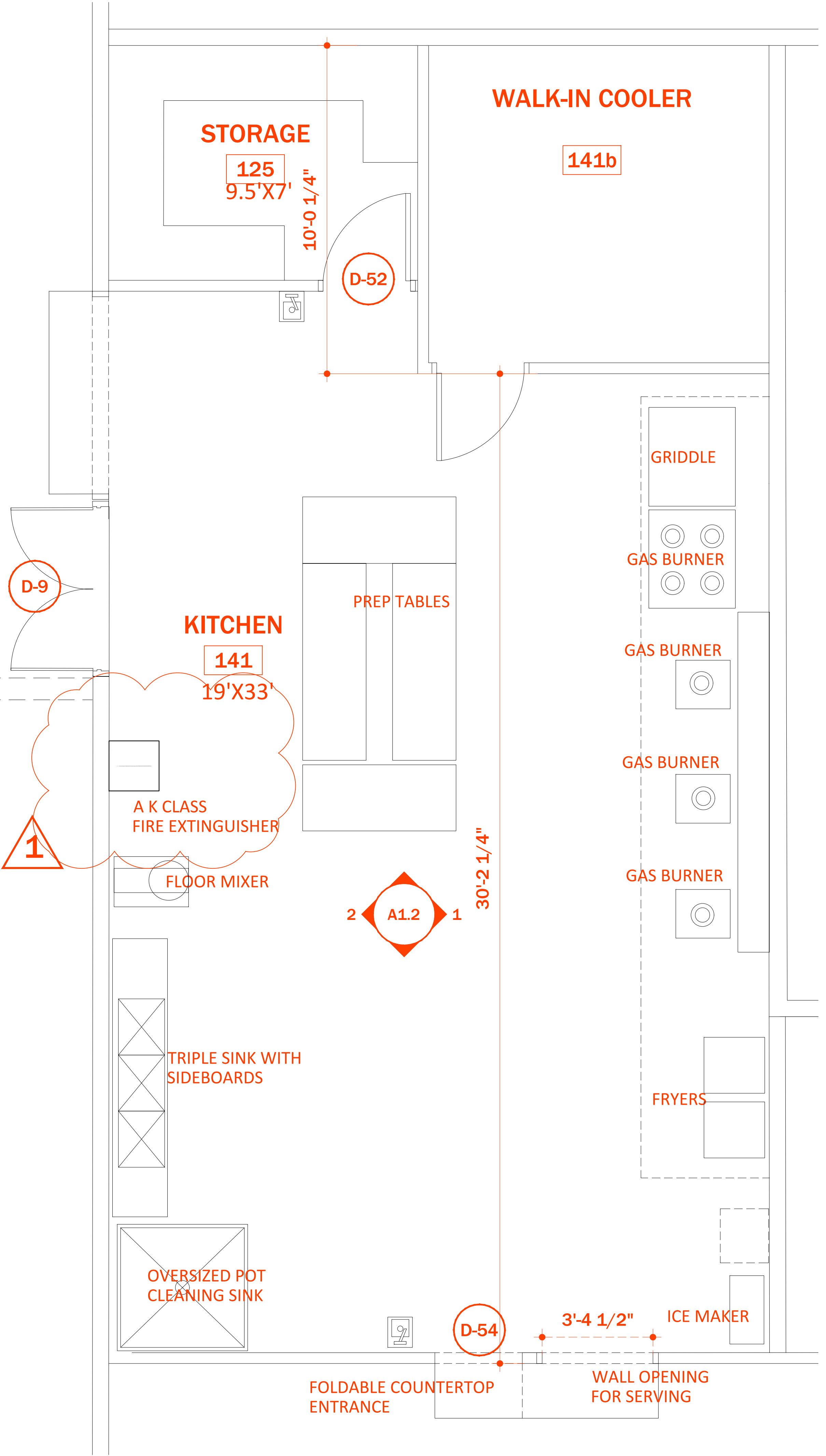
1 KITCHEN ELEVATION

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



2 KITCHEN ELEVATION

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

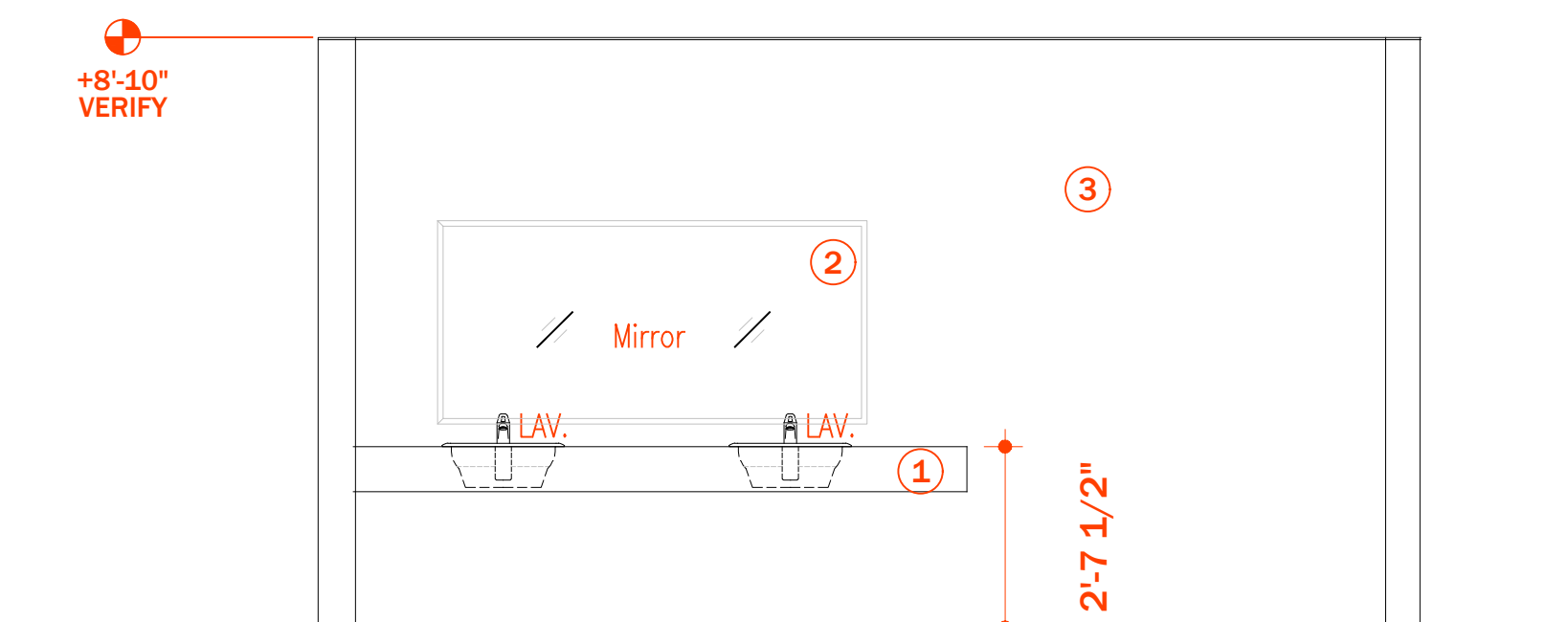


1 ENLARGED KITCHEN PLAN

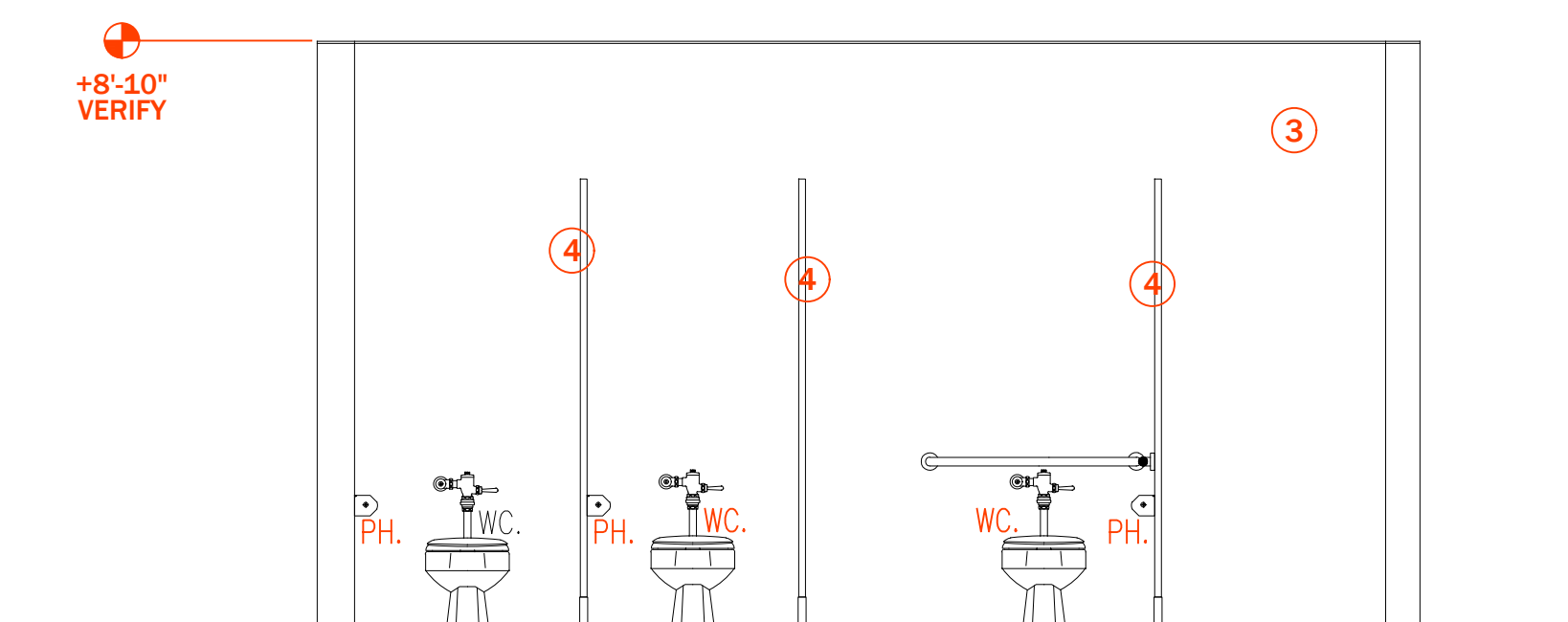
SCALE: 1/2" = 1'-0"

KEYED NOTES

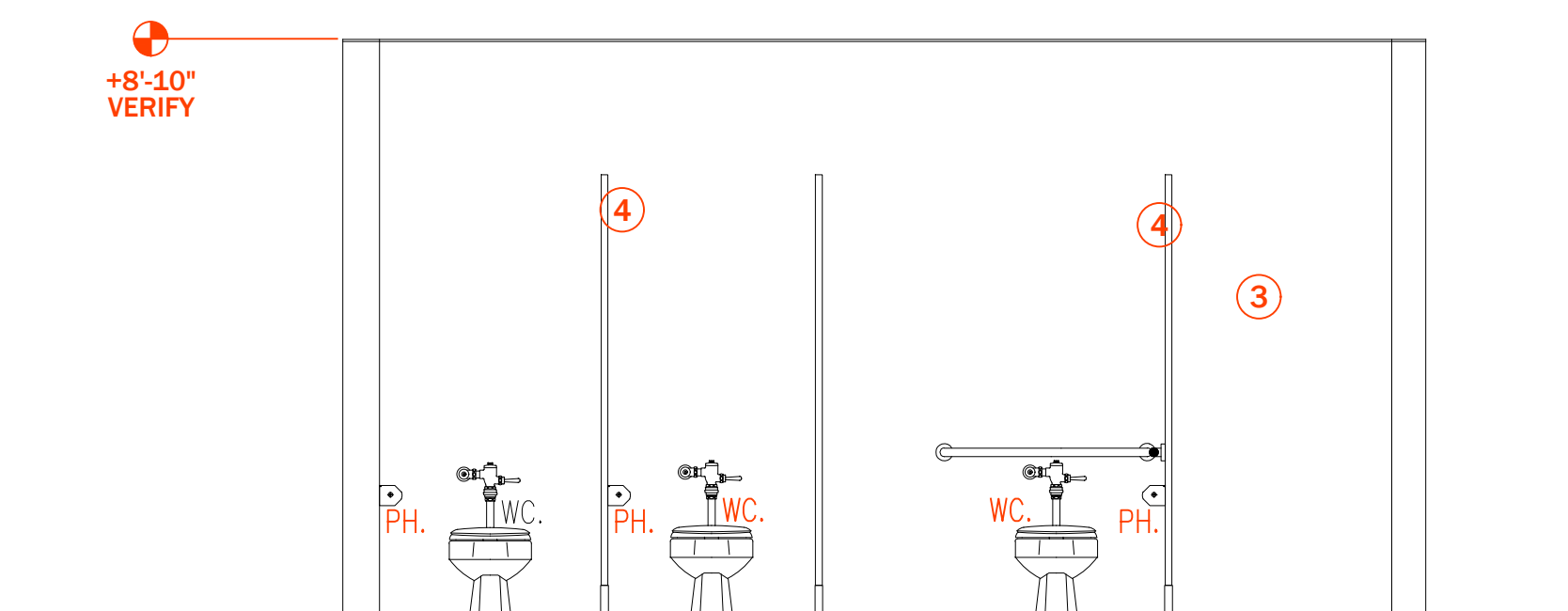
- ① SOLID SURFACE MATERIAL. FINISH SELECTED BY OWNER
- ② MIRROR SELECTED BY OWNER
- ③ WALL FINISH SELECTED BY OWNER
- ④ FLOOR MOUNTED STALL PARTITION. SELECTED BY OWNER



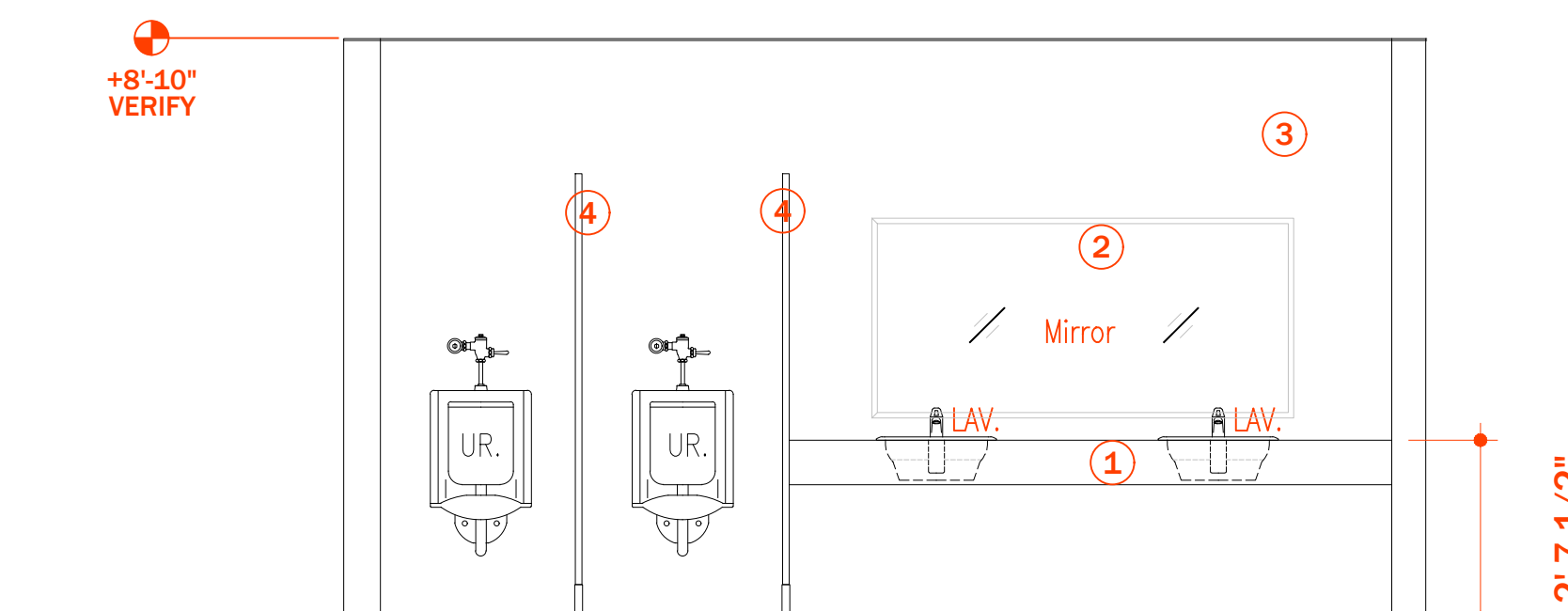
① WOMENS RESTROOM
SCALE: 3/8"=1'-0"



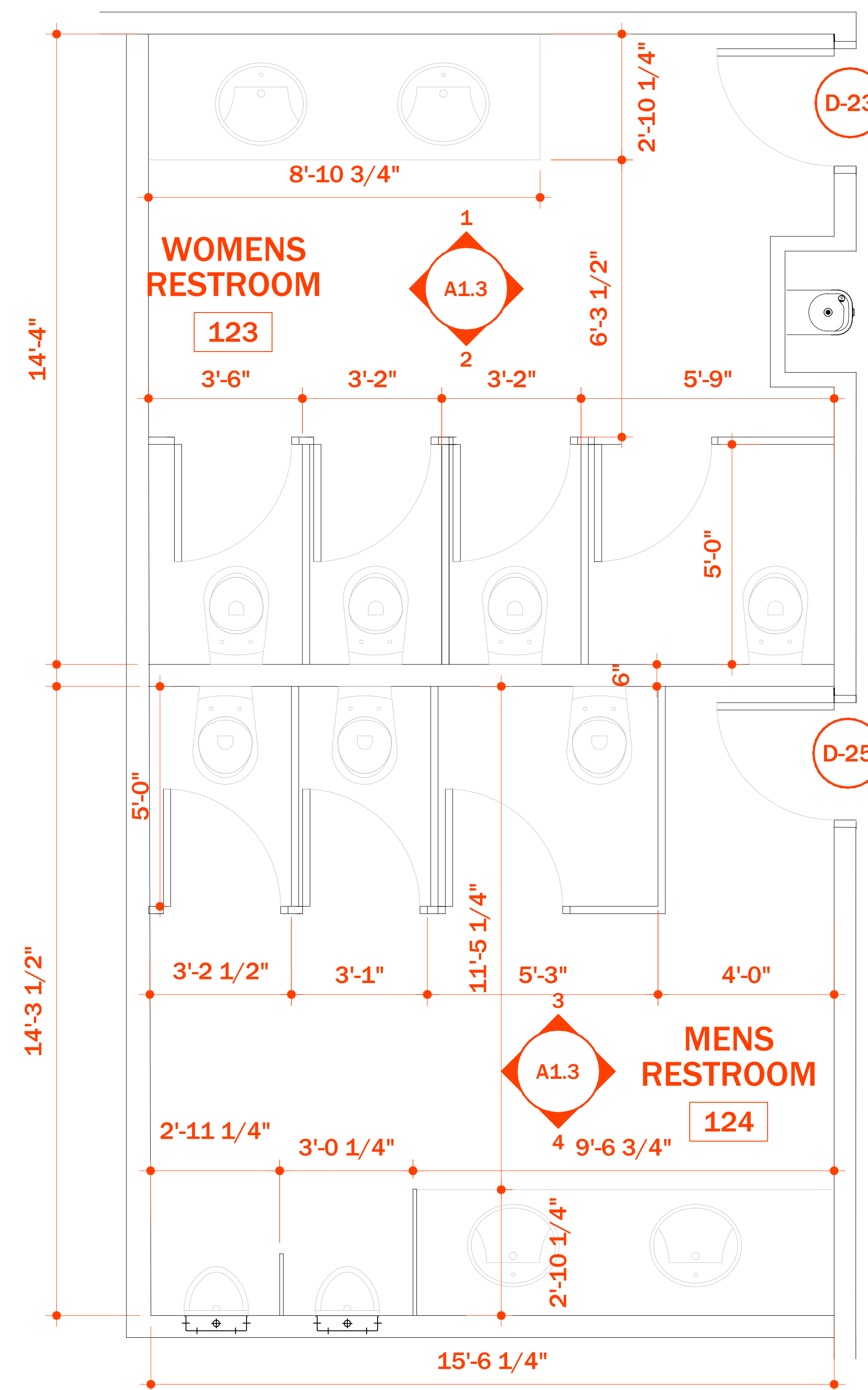
② WOMENS RESTROOM
SCALE: 3/8"=1'-0"



③ MENS RESTROOM
SCALE: 3/8"=1'-0"



④ MENS RESTROOM
SCALE: 3/8"=1'-0"



⑤ ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"



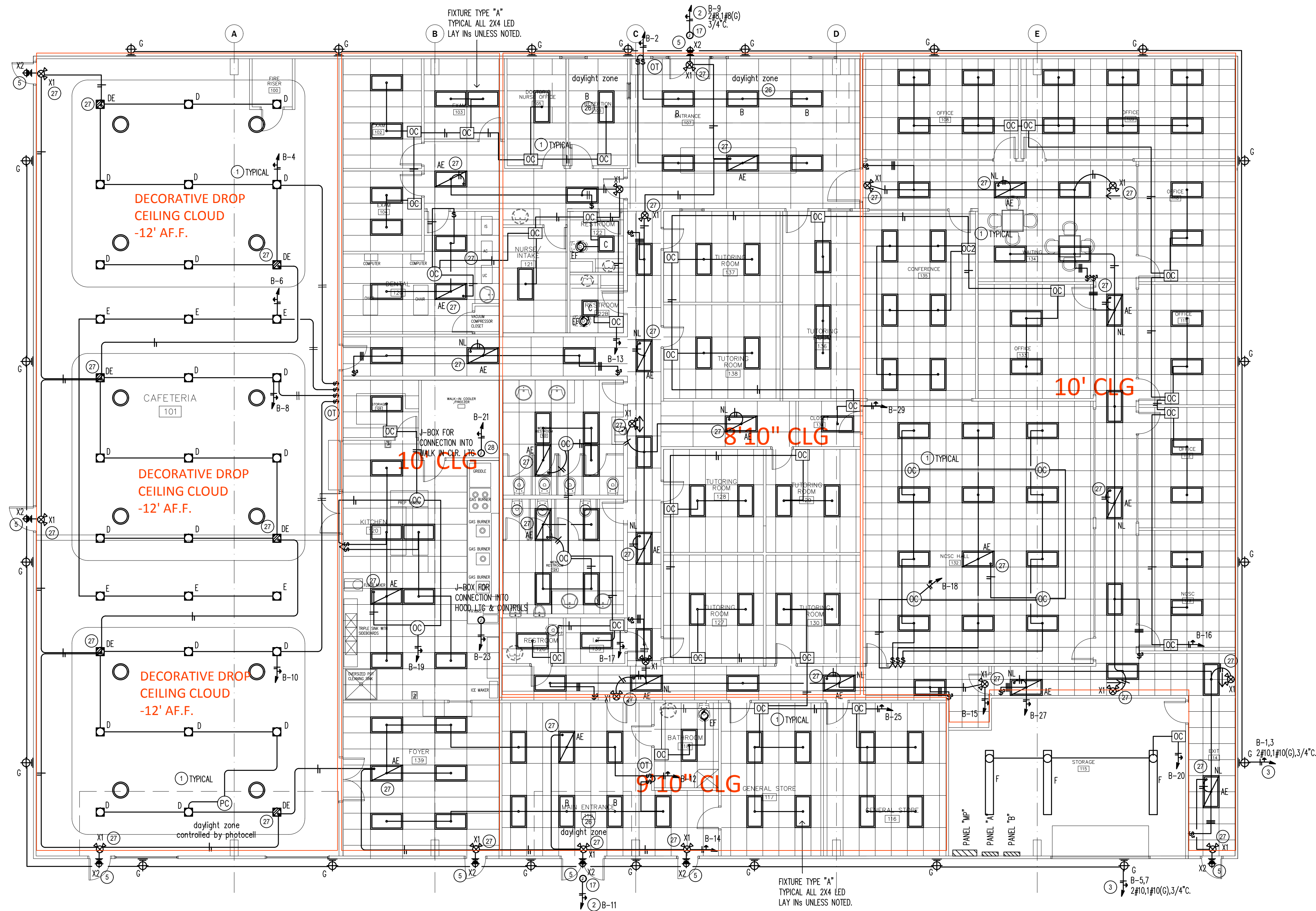
Affixation Date: 05/20/2020

ENLARGED RESTROOM PLAN + ELEVATIONS

SCALE: X"=1'-0"

A1.3

DRAWN BY: YOU



ELECTRICAL KEYED NOTES:

- 1 PROVIDE SWITCHING OF LIGHT FIXTURES PER IECC 405.2.2 REQUIREMENTS.
- 2 EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF PER OWNERS DIRECTIONS AND SHALL COMPLY WITH LOCAL MUNICIPAL LIGHTING ORDINANCE.
- 3 EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF AT DAY BREAK. LIGHTS ON THIS CIRCUIT INTENDED FOR NIGHT TIME SECURITY.
- 4 HOT WATER RECIRCULATING PUMP TO BE CONTROLLED BY TIME CLOCK PER IECC 404.6 REQUIREMENTS.
- 5 PROVIDE EGRESS EXIT DISCHARGE ILLUMINATION PER IFC 1006 REQUIREMENTS.
- 6 INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE PER NEC 406.8.
- 7 INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE FOR HVAC EQUIPMENT PER NEC 210.63 AND NEC 406.8 REQUIREMENTS.
- 8 INSTALL GROUNDING AND BONDING PER NEC 250 REQUIREMENTS.
- 9 PROVIDE GROUNDING ELECTRODE SYSTEM PER NEC 250.50, 250.52 WITH PROPER BONDING.
- 10 PROVIDE INTERSYSTEM BONDING WITH MIN. # 6 AWG CU. PER NEC 250.94 REQUIREMENTS.
- 11 MOUNT RECEPTACLE AT +42" GFL.
- 12 GFI PROTECTED RECEPTACLE AS REQUIRED PER NEC 210.8 (B) (5).
- 13 PROVIDE GFI PROTECTED RECEPTACLE FOR DRINKING FOUNTAIN CONNECTION PER NEC 422.52.
- 14 PROVIDE MEANS OF CIRCUIT & EQUIPMENT PROTECTION PER NEC 440.21.
- 15 PROVIDE A COMPLETE PANEL DIRECTORY PER NEC 408.4 REQUIREMENTS.
- 16 ALL 15 AND 20 AMP 125 V. RECEPTACLES IN KITCHEN AREA TO BE GFI PROTECTED PER NEC 210.8 (B) (2).
- 17 WEATHER RESISTANT J-BOX ON FASCIA FOR SIGN CONNECTION. VERIFY EXACT LOCATION PRIOR TO ROUGH IN.
- 18 3/4" CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING.
- 19 INSTALL SERVICE EQUIPMENT PER NEC 230 REQUIREMENTS AND OVERCURRENT PROTECTION PER NEC 240 REQUIREMENTS.
- 20 INSTALL METERING AND ENCLOSURE PER ELECTRIC UTILITY CO. REQUIREMENTS AND STANDARDS.
- 21 INSTALL PANELBOARDS PER NEC 408 REQUIREMENTS.
- 22 4"x8"x3/4" FIRE RETARDANT COATED PLYWOOD FOR TELEPHONE AND DATA EQUIPMENT MOUNTING.
- 23 CIRCUIT THRU SHUNT TRIP BREAKER CONNECTED INTO EXHAUST HOOD FIRE SUPPRESSION SYSTEM.
- 24 J-BOX FOR CONNECTION INTO FIRE SPRINKLER TAMPER SWITCH.
- 25 J-BOX FOR CONNECTION INTO FIRE SPRINKLER FLOW MONITOR.
- 26 FIXTURES IN THIS DAYLIGHT ZONE HAVE INTEGRAL OCCUPANCY AND PHOTOCELL SENSOR TO COMPLY WITH IECC SECTION 405 REQUIREMENTS.
- 27 EMERGENCY BATTERY PACK IN LIGHT FIXTURE TO BE WIRED INTO NON SWITCHED LIGHTING CIRCUIT.
- 28 COMPLY WITH NEC 300.7(A) FOR CONDUIT INSTALLATIONS AT COLD STORAGE AND EXTERIOR APPLICATIONS.

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



DATE:	PROJECT NO.:	DATE NO.:	DATE:



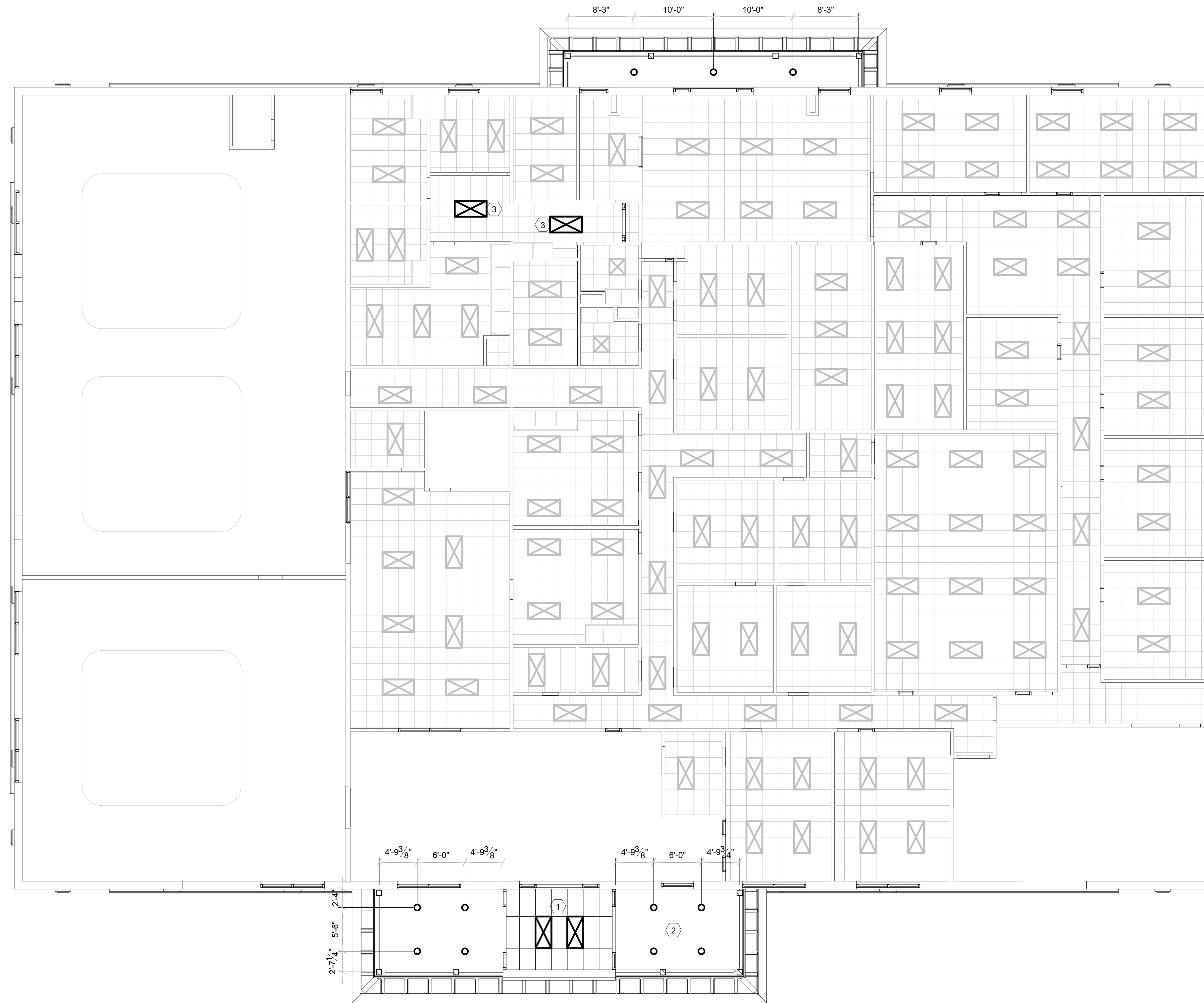
Affixation Date: 05/20/2020

REFLECTED CEILING PLAN

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

A6.0

DRAWN BY: YOU



R.C.P. GENERAL NOTES

1. REFER TO ORIGINAL PLAN SET FOR ALL OTHER ROOM RCP ITEM. DETAIL & REMARKS ON THIS PAGE TO EITHER NEW OR ADDITIONAL SCOPE ITEMS FOR GENERAL CONTRACTOR. GC SHALL SUBMIT IN WRITING ANY QUESTIONS WITH PROJECT TO OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
2. A. VERIFY ALL PLACEMENTS OF LIGHTS WITH OWNER PRIOR TO INSTALLATION.
3. SEE ELECTRICAL PLANS FOR ADDITIONAL LIGHTING INFORMATION
4. ALL CEILING MATERIAL SHALL NOT EXCEED FLAME CLASS II - FLAME SPREAD INDEX 25-75
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK FOR ALL TRADES INVOLVED IN THE CEILING WORK TO ENSURE THAT PROPER CLEARANCES FOR DUCTS, LIGHTS, PIPING, ETC. ARE MET AND THAT THE CEILING HEIGHTS NOTED ON THE DRAWING ARE MAINTAINED.
6. GENERAL CONTRACTOR TO VERIFY REQUIREMENTS AND QUANTITIES OF FIRE PROTECTION DEVICES INCLUDING SMOKE DETECTORS, DUCT SMOKE DETECTORS, FIRE ALARMS, RELATED SPEAKERS, STROBES, ETC. LIFE SAFETY INSTALLATIONS TO MEET REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES
7. CAULK JOINTS BETWEEN CEILING GRID AND ADJACENT SURFACES.

R.C.P. LEGEND

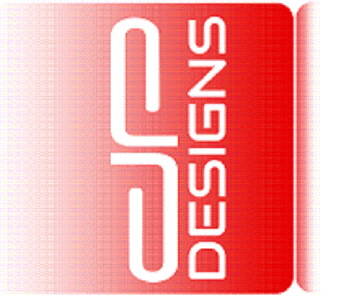
- EXIT LIGHT
- EMERGENCY EXIT LIGHT
- RECESSED CEILING LIGHT FIXTURE
- LED LIGHT FIXTURE

R.C.P. KEY NOTES

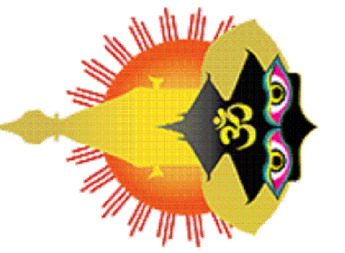
- ① LAY-IN CEILING @ 10'-0" A.F.F.
- ② 1X6 T&G SOFFIT @ 10'-0" A.F.F. OR OWNER APPROVED EQUAL
- ③ ADD LED LIGHT FIXTURE

1 REFLECTED CEILING PLAN
A2.1 SCALE: 1/8" = 1'-0"

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REFLECTED CEILING PLAN
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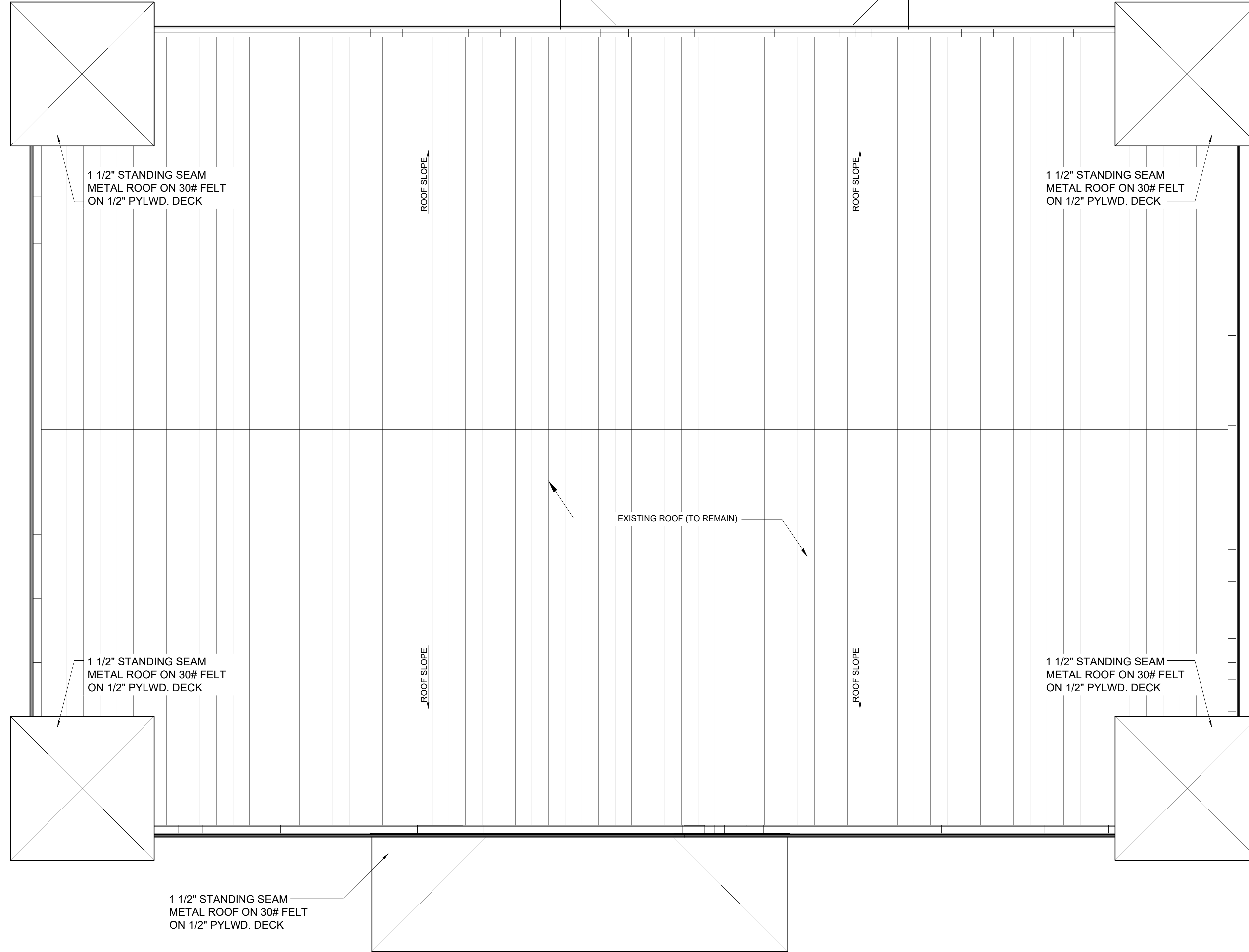
DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

SHEET NO.
A2.1

1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK



1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK

1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK

1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK

1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK

1 1/2" STANDING SEAM
METAL ROOF ON 30# FELT
ON 1/2" PYLWD. DECK

EXISTING ROOF (TO REMAIN)

ROOF SLOPE

ROOF SLOPE

ROOF SLOPE

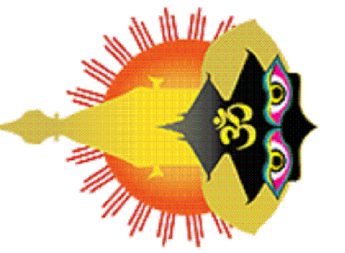
ROOF SLOPE

1 ROOF PLAN
A2.3 SCALE: 1/4" = 1'-0"

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ROOF PLAN
NEPALI CULTURAL AND SPIRITUAL CENTER
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EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

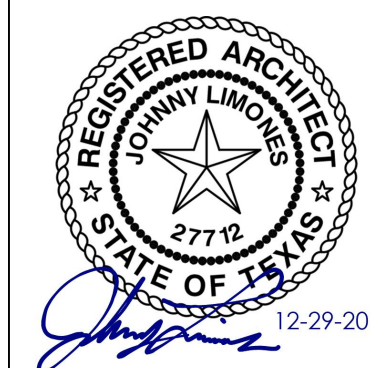
SCALE:
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PROJECT NO.
088-01

SHEET NO.
A2.3



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EMERGENCY EGRESS FLOOR PLAN
 NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

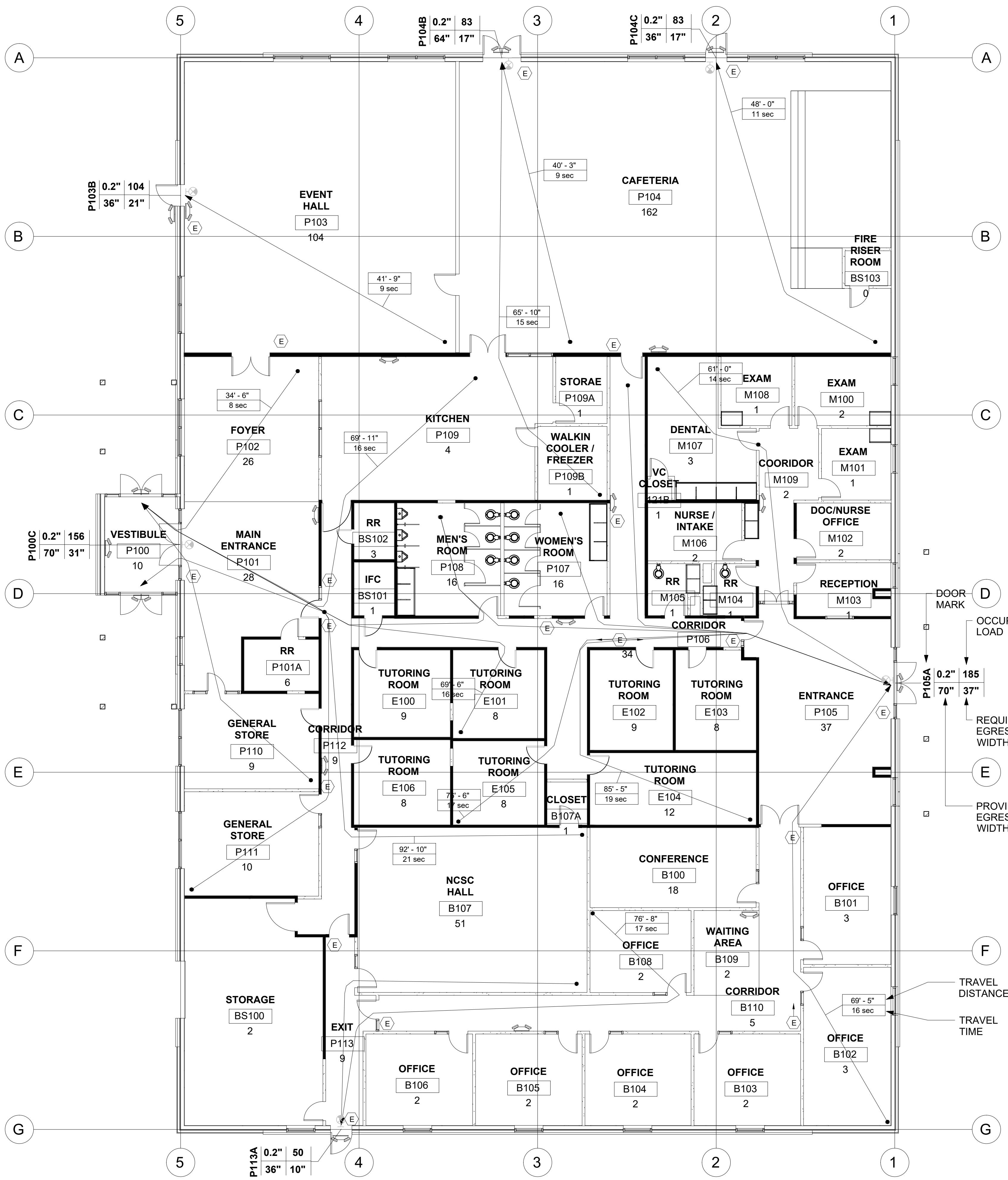
SHEET NO.
A2.4

OCCUPANT LOAD CALCULATION SCHEDULE

Name	Area	Occupant Factor	Occupant Load	Comments
FIRE RISER ROOM	31 SF	0	0	
ACCESSORY STORAGE	31 SF		0	
IFC	42 SF	300	1	
STORAGE	594 SF	300	2	
	636 SF		3	
ASSEMBLY				
CAFETERIA	2422 SF	15	162	
CONFERENCE	260 SF	15	18	
CORRIDOR	502 SF	15	34	
ENTRANCE	549 SF	15	37	
EVENT HALL	1546 SF	15	104	
EXIT	134 SF	15	9	
FOYER	381 SF	15	26	
MAIN ENTRANCE	415 SF	15	28	
MEN'S ROOM	228 SF	15	16	
NCSC HALL	739 SF	15	49	
RR	44 SF	15	3	
RR	75 SF	15	6	
VESTIBULE	140 SF	15	10	
WOMEN'S ROOM	227 SF	15	16	
	7673 SF		518	
BUSINESS				
CLOSET	34 SF	100	1	
CORRIDOR	432 SF	100	5	
OFFICE	235 SF	100	3	
OFFICE	162 SF	100	2	
OFFICE	271 SF	100	3	
OFFICE	191 SF	100	2	
OFFICE	190 SF	100	2	
OFFICE	191 SF	100	2	
OFFICE	191 SF	100	2	
WAITING AREA	108 SF	100	2	
	2006 SF		24	
EDUCATION				
TUTORING ROOM	164 SF	20	9	
TUTORING ROOM	157 SF	20	8	
TUTORING ROOM	160 SF	20	8	
TUTORING ROOM	150 SF	20	8	
TUTORING ROOM	162 SF	20	9	
TUTORING ROOM	155 SF	20	8	
TUTORING ROOM	234 SF	20	12	
	1182 SF		62	
INSTITUTIONAL				
COORIDOR	170 SF	100	2	
DENTAL	239 SF	100	3	
DOC/NURSE OFFICE	105 SF	100	2	
EXAM	96 SF	100	1	
EXAM	97 SF	100	1	
EXAM	129 SF	100	2	
NURSE / INTAKE	106 SF	100	2	
RECEPTION	95 SF	100	1	
RR	49 SF	100	1	
RR	48 SF	100	1	
VC CLOSET	10 SF	100	1	
	1143 SF		17	
KITCHEN				
KITCHEN	623 SF	200	4	
STORAE	67 SF	200	1	
WALKIN COOLER / FREEZER	100 SF	200	1	
	790 SF		6	
MERCENTILE				
CORRIDOR	268 SF	30	9	
GENERAL STORE	274 SF	30	10	
GENERAL STORE	250 SF	30	9	
	791 SF		28	
	14251 SF		660	

EGRESS LEGEND

EXIT LIGHT	
EMERGENCY EXIT LIGHT	
EXIT SIGNS	



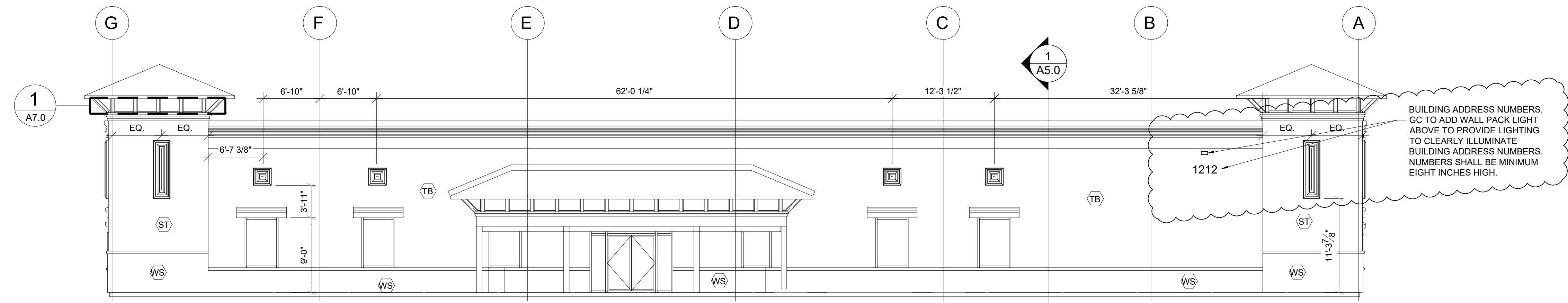
1 EMERGENCY EGRESS FLOOR PLAN
 A2.4 SCALE: 1/8" = 1'-0"

ELEVATION STUCCO WALL TABLE

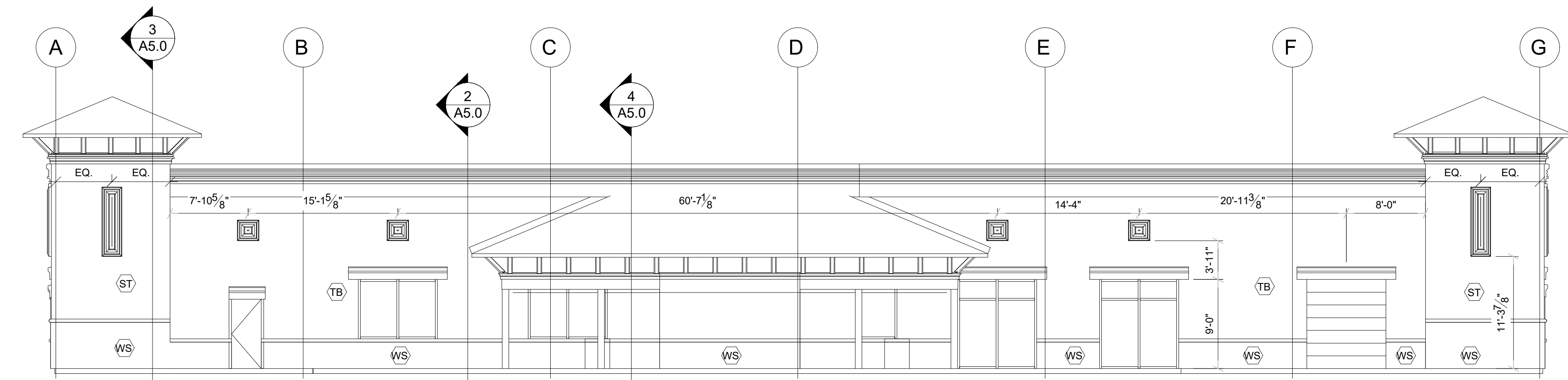
REF. 1/A7.2	REF. 2/A7.2	REF. 3/A7.2	REF. 4/A7.2	REF. 5/A7.2

EXTERIOR MATERIAL LEGEND

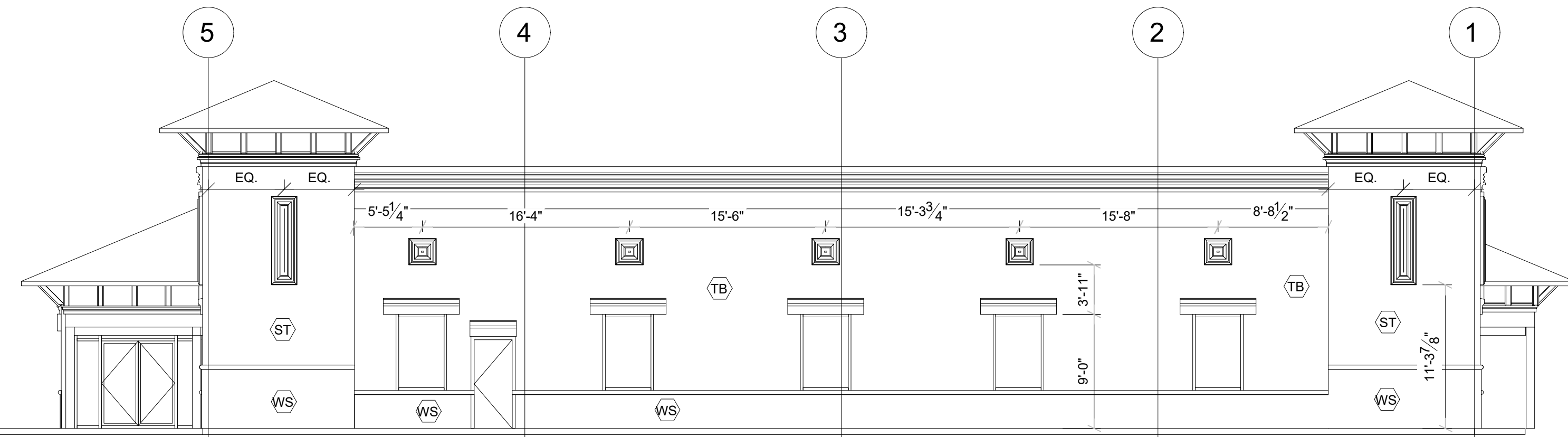
- STUCCO ON MTL. LATH, VAPOR BARRIER & 1/2" SHEATHING
- WHITE STONE VENEER (UP TO 5'-0" A.F.F.): TYPE IS A ASHLAR PATTERN, CHOPPED/SPLIT FACE, COURSEABLE LIMESTONE. COLOR IS KIRBY CREAM. THICKNESS TO BE 3"-5" DEPTHS. MORTAR TO BE SAVANNAH IVORY: ARGOS-US.COM. STONE TO BE HARVESTED BY KIRBY STONE COMPANY, LLC AND DISTRIBUTED BY ACME BRICK COMPANY.
- THIN BRICK VENEER.



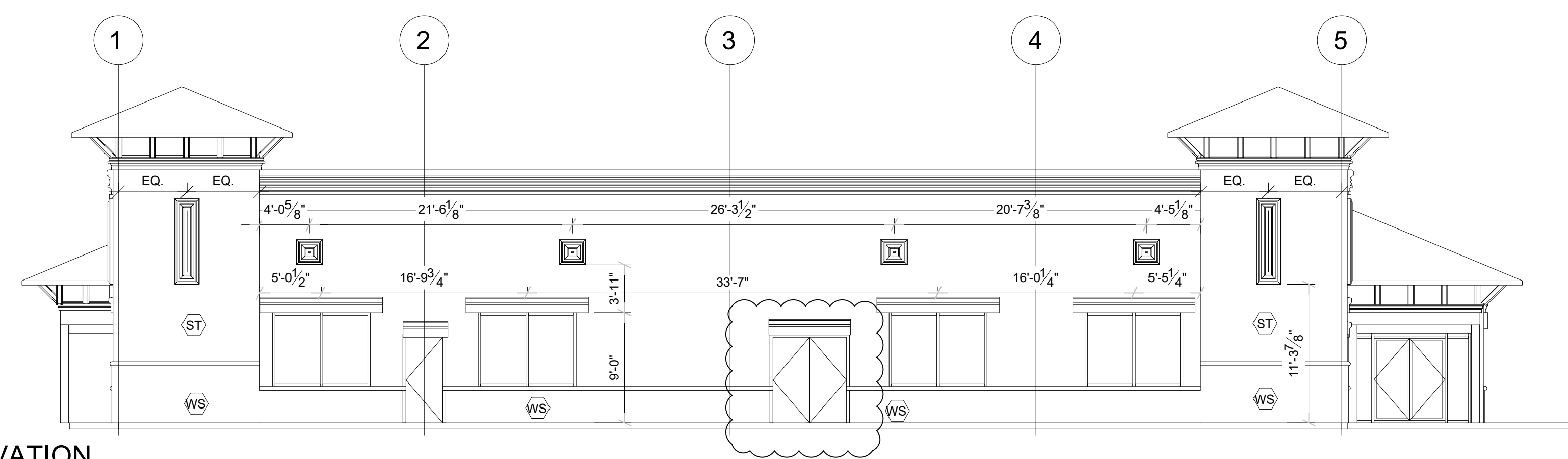
1 EAST (REAR) ELEVATION
A4.0 SCALE: 1/8" = 1'-0"



2 WEST (FRONT) ELEVATION
A4.0 SCALE: 1/8" = 1'-0"

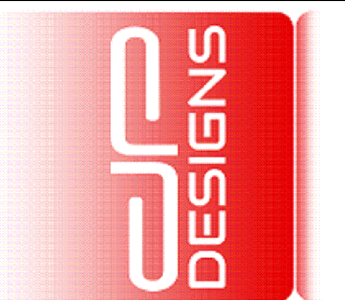


3 SOUTH (SIDE) ELEVATION
A4.0 SCALE: 1/8" = 1'-0"

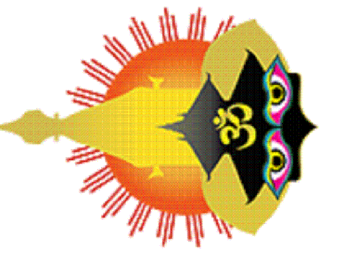


4 NORTH (SIDE) ELEVATION
A4.0 SCALE: 1/8" = 1'-0"

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ELEVATIONS
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EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
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PROJECT NO.
088-01

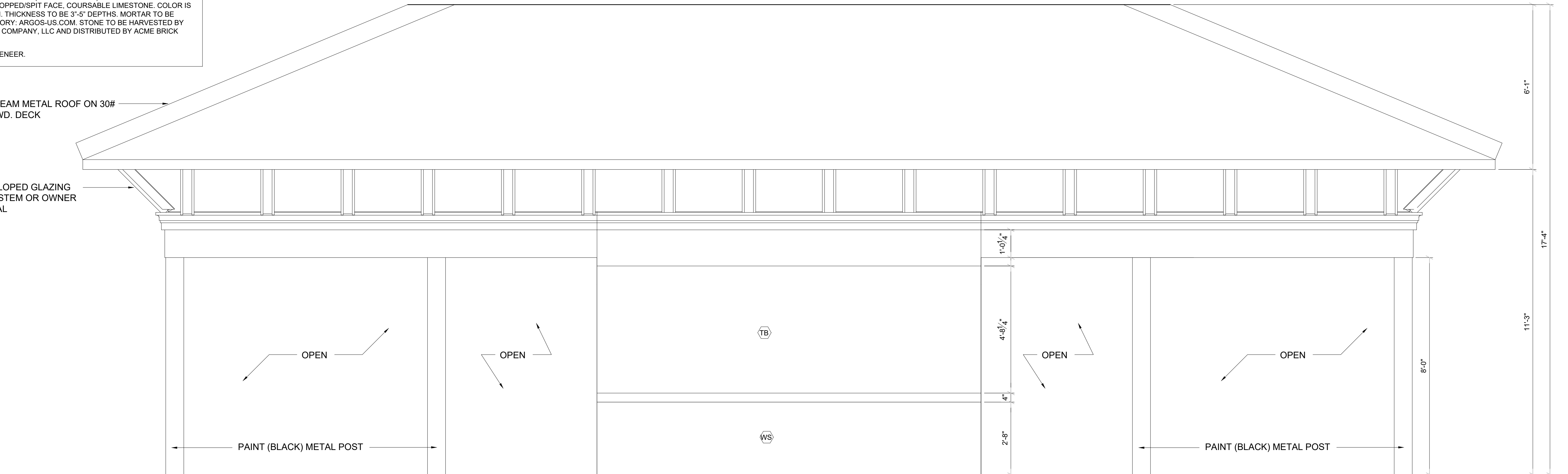
SHEET NO.
A4.0

EXTERIOR MATERIAL LEGEND

- (ST) STUCCO ON MTL. LATH, VAPOR BARRIER & 1/2" SHEATHING
- (WS) WHITE STONE VENEER (UP TO 5'-0" A.F.F.): TYPE IS A ASHLAR PATTERN, CHOPPED/SPIT FACE, COURSABLE LIMESTONE. COLOR IS KIRBY CREAM. THICKNESS TO BE 3"-5" DEPTHS. MORTAR TO BE SAVANNAH IVORY; ARGOS-US.COM. STONE TO BE HARVESTED BY KIRBY STONE COMPANY, LLC AND DISTRIBUTED BY ACME BRICK COMPANY.
- (TB) THIN BRICK VENEER.

1 1/2" STANDING SEAM METAL ROOF ON 30# FELT ON 1/2" PYLWD. DECK

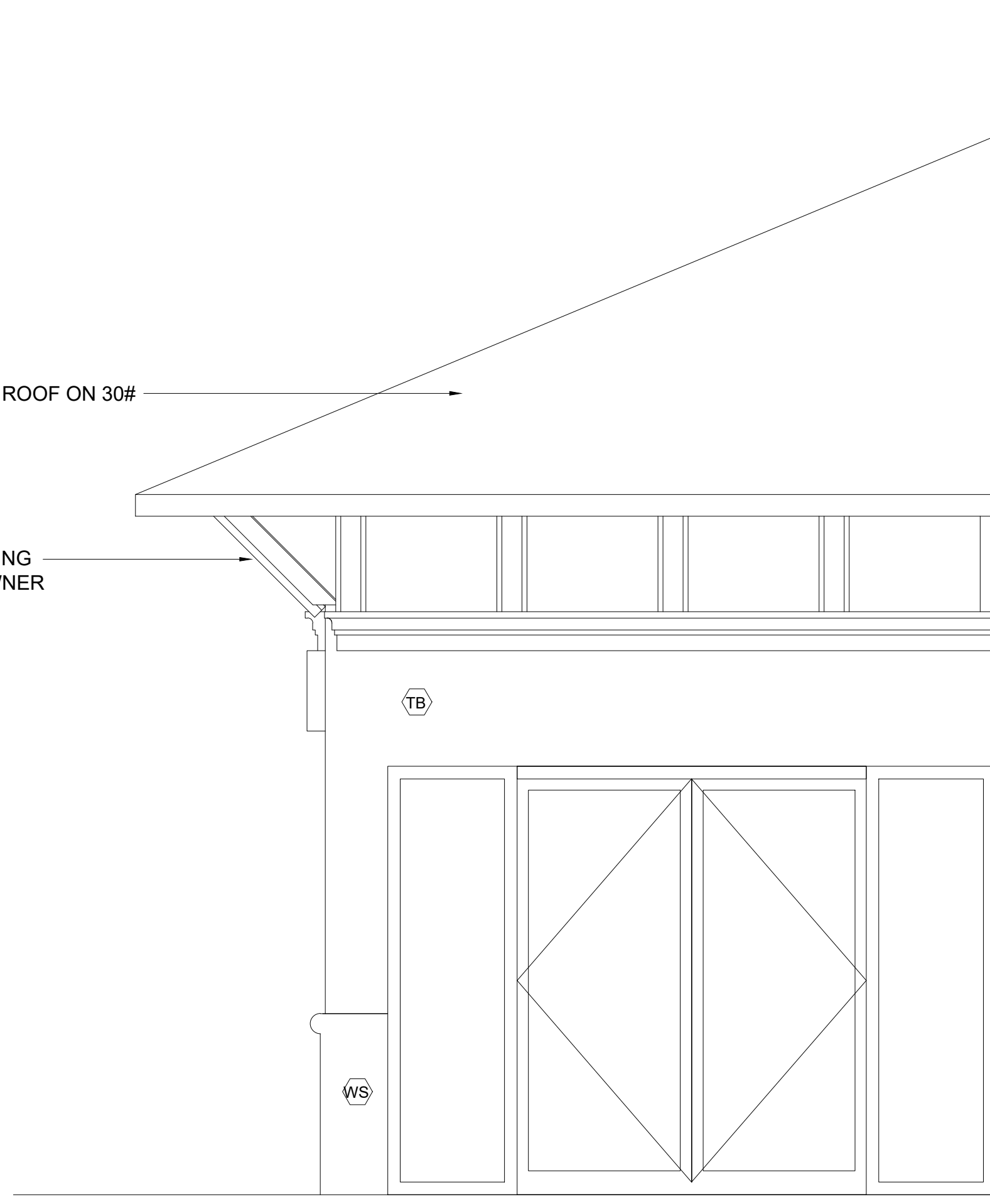
KAWNEER 1600 SLOPED GLAZING STOREFRONT SYSTEM OR OWNER APPROVED EQUAL



1 VESTIBULE ENLARGED ELEVATION
A4.0 SCALE: 1/8" = 1'-0"

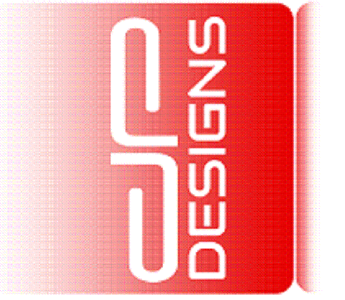
1 1/2" STANDING SEAM METAL ROOF ON 30# FELT ON 1/2" PYLWD. DECK

KAWNEER 1600 SLOPED GLAZING STOREFRONT SYSTEM OR OWNER APPROVED EQUAL

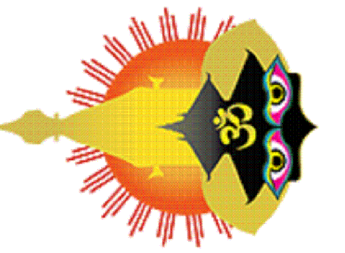


1 VESTIBULE ENLARGED ELEVATION
A4.0 SCALE: 1/8" = 1'-0"

DRAWN BY: DP
CHECKED BY: DP



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VESTIBULE ENLARGED ELEVATIONS
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

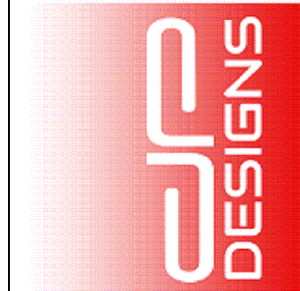
DATE	DESCRIPTION	BY

SCALE:
AS NOTED

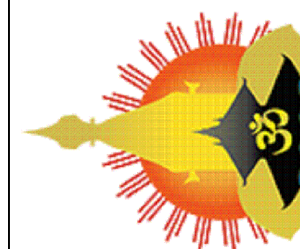
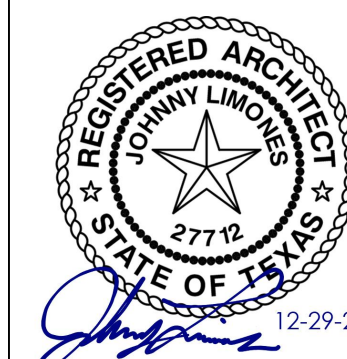
PROJECT NO.
088-01

SHEET NO.
A4.1

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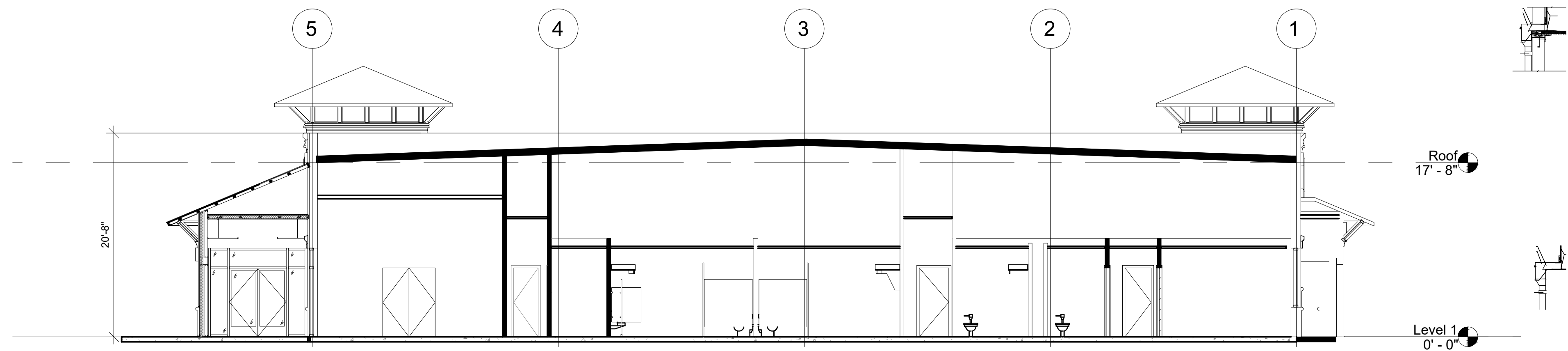
BUILDING AND WALL SECTIONS
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

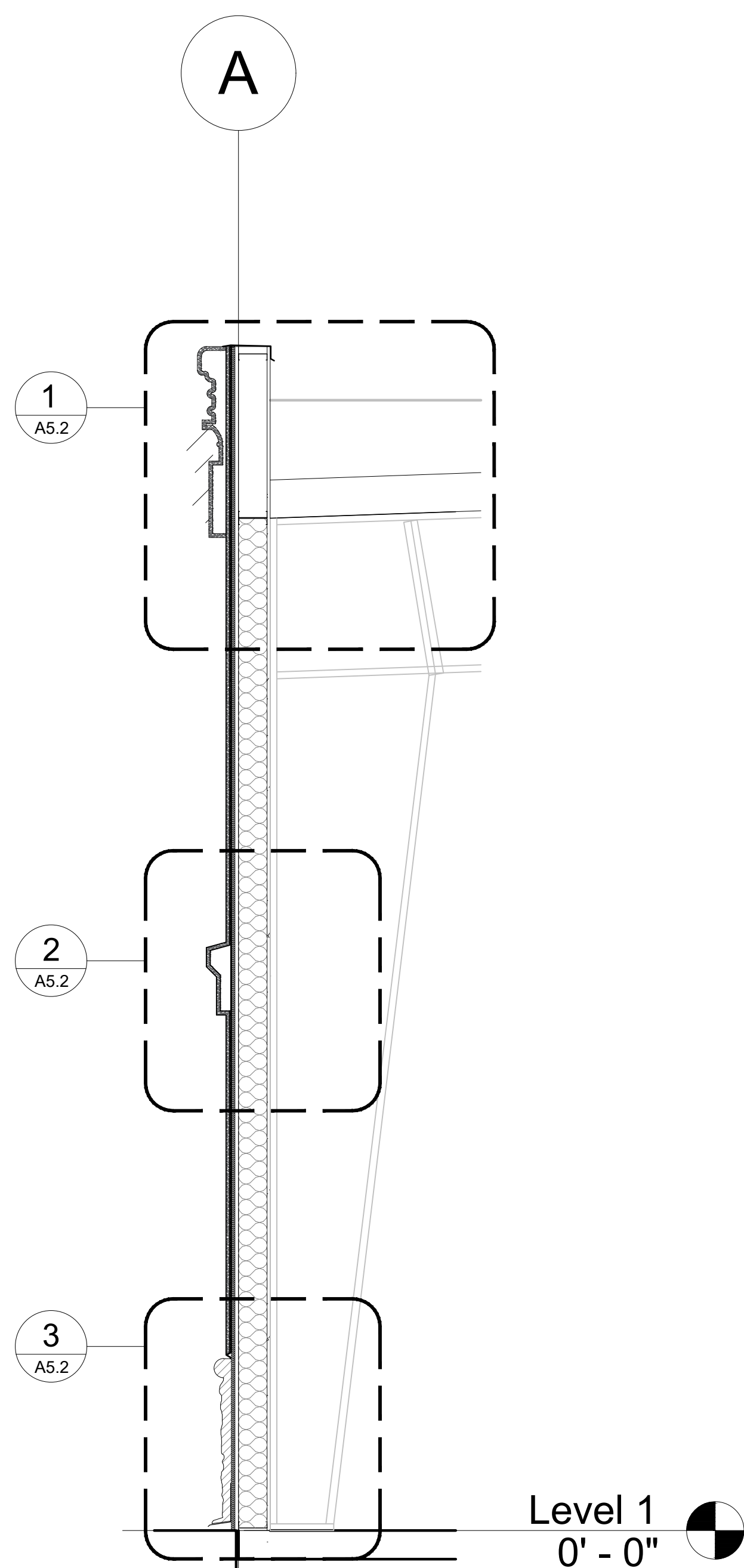
SCALE:
AS NOTED

PROJECT NO.
088-01

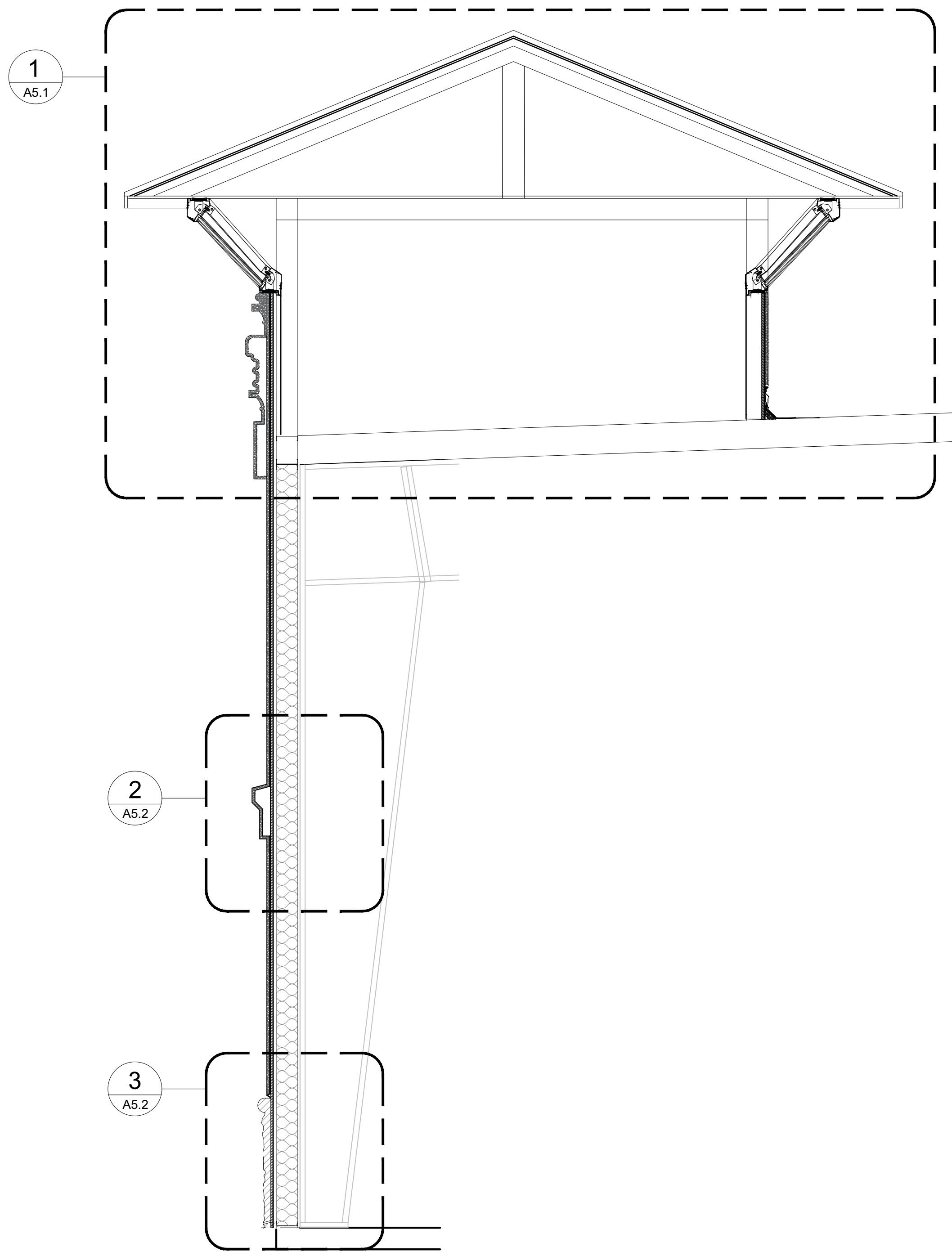
SHEET NO.
A5.0



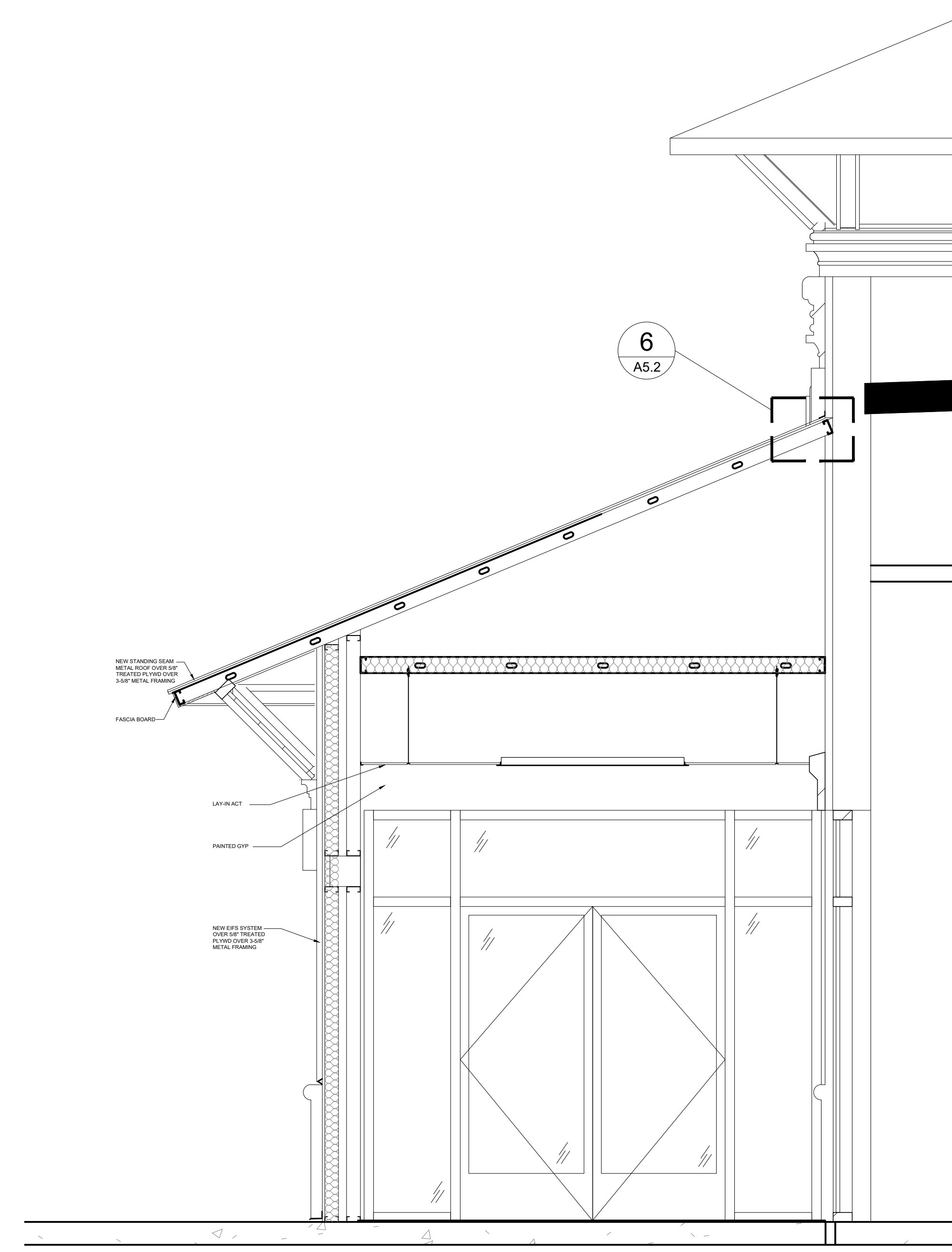
1 BUILDING SECTION
A5.0 SCALE: 1/8" = 1'-0"



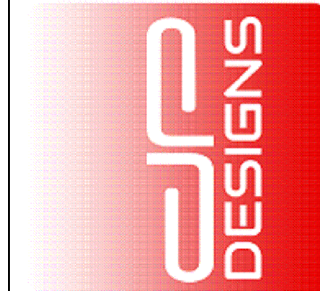
2 WALL SECTION
A5.0 SCALE: 1/2" = 1'-0"



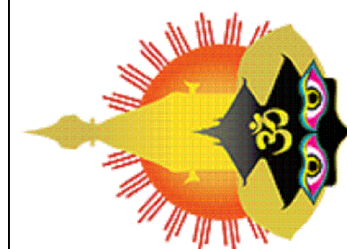
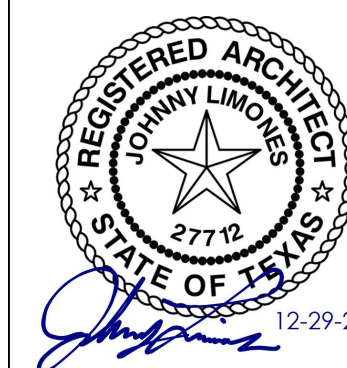
3 WALL SECTION
A5.0 SCALE: 1/2" = 1'-0"



4 WALL SECTION
A5.0 SCALE: 1/2" = 1'-0"



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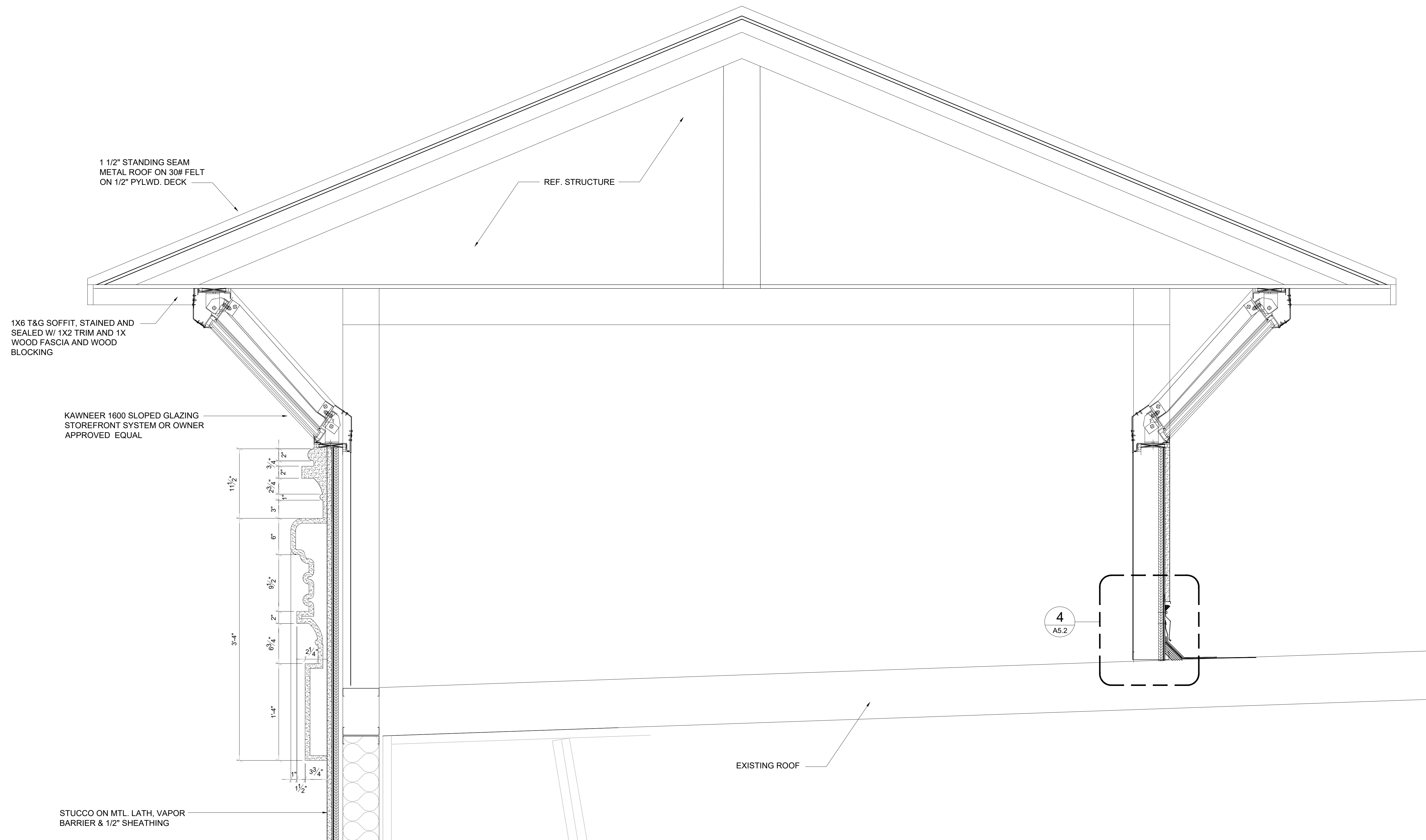
WALL SECTION DETAILS
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
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PROJECT NO.
088-01

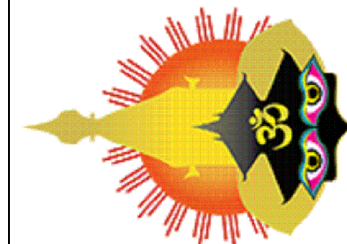
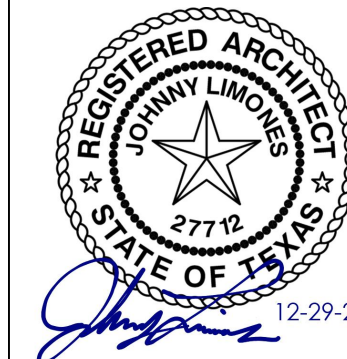
SHEET NO.
A5.1



1 WALL SECTION DETAIL
A5.1 SCALE: 1 1/2" = 1'-0"



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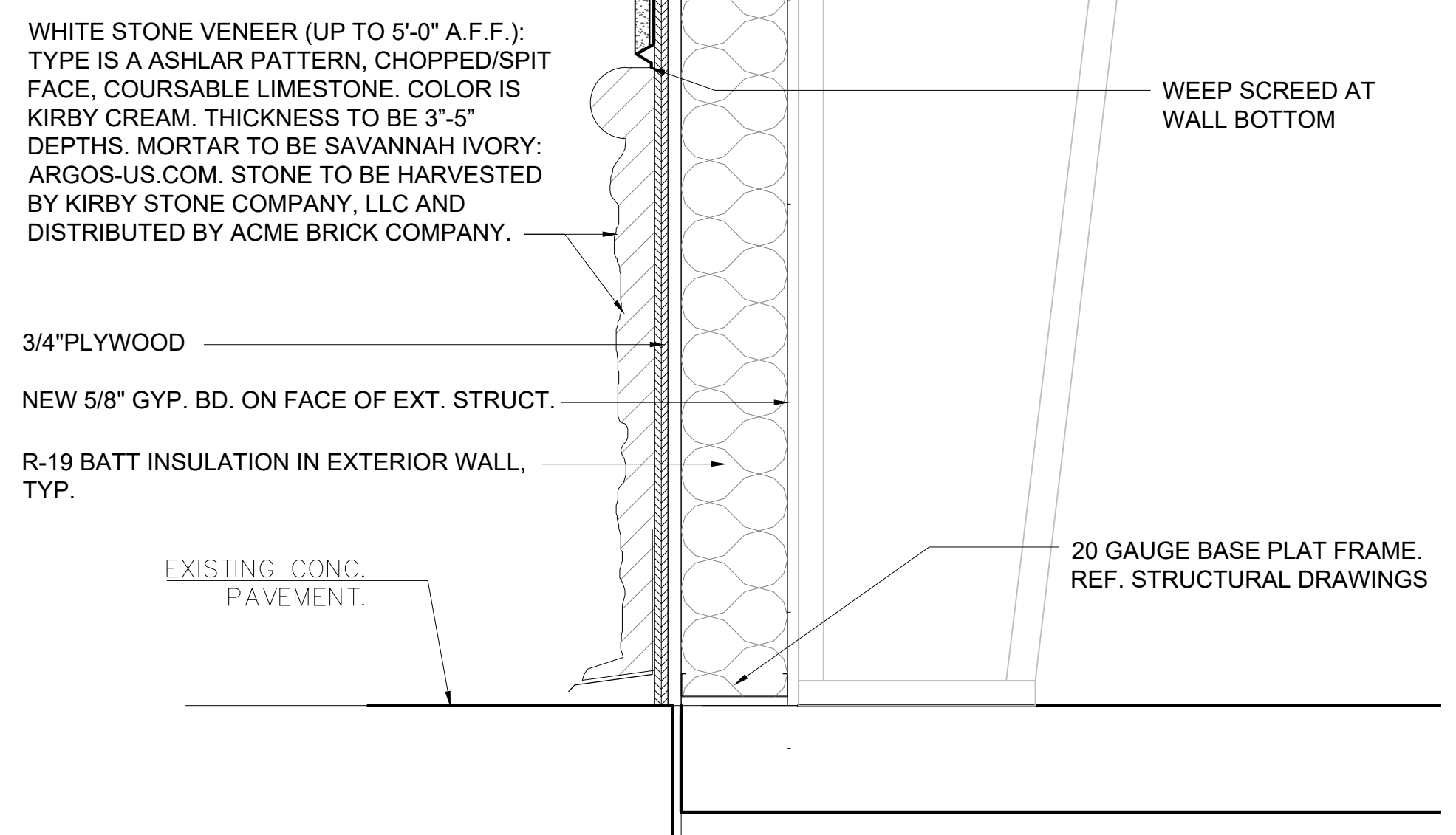
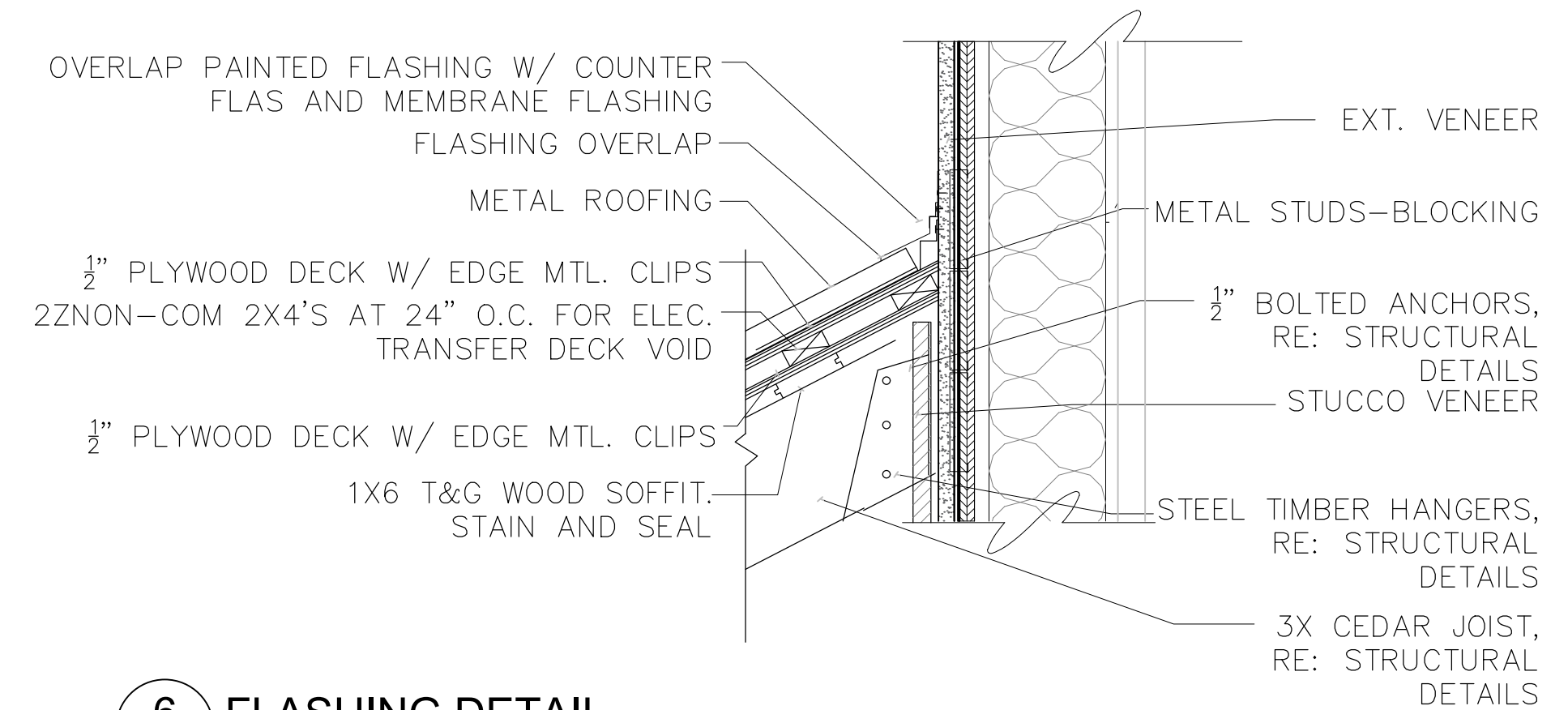
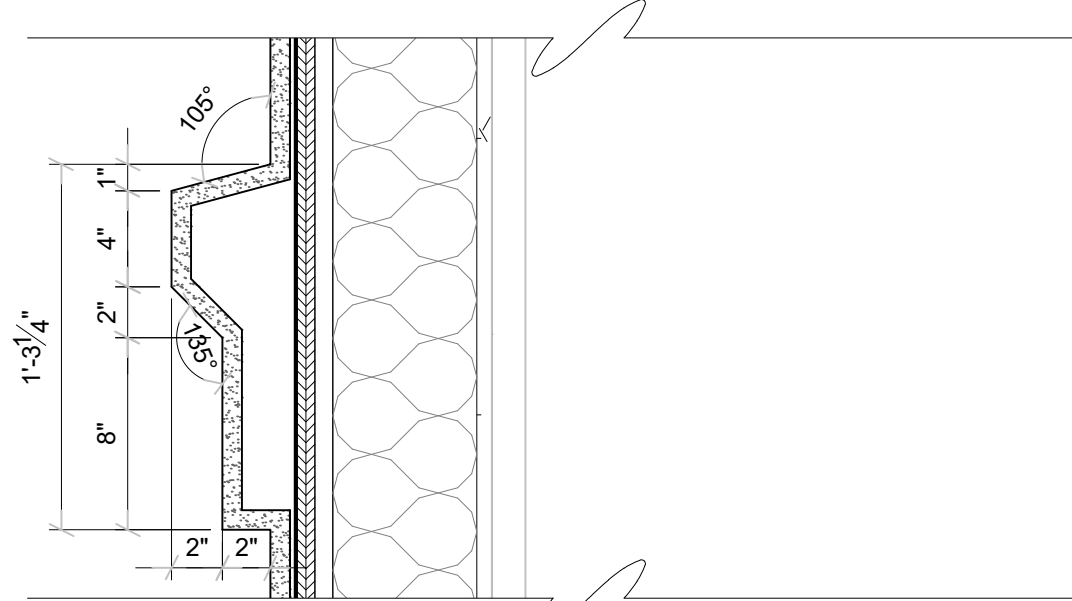
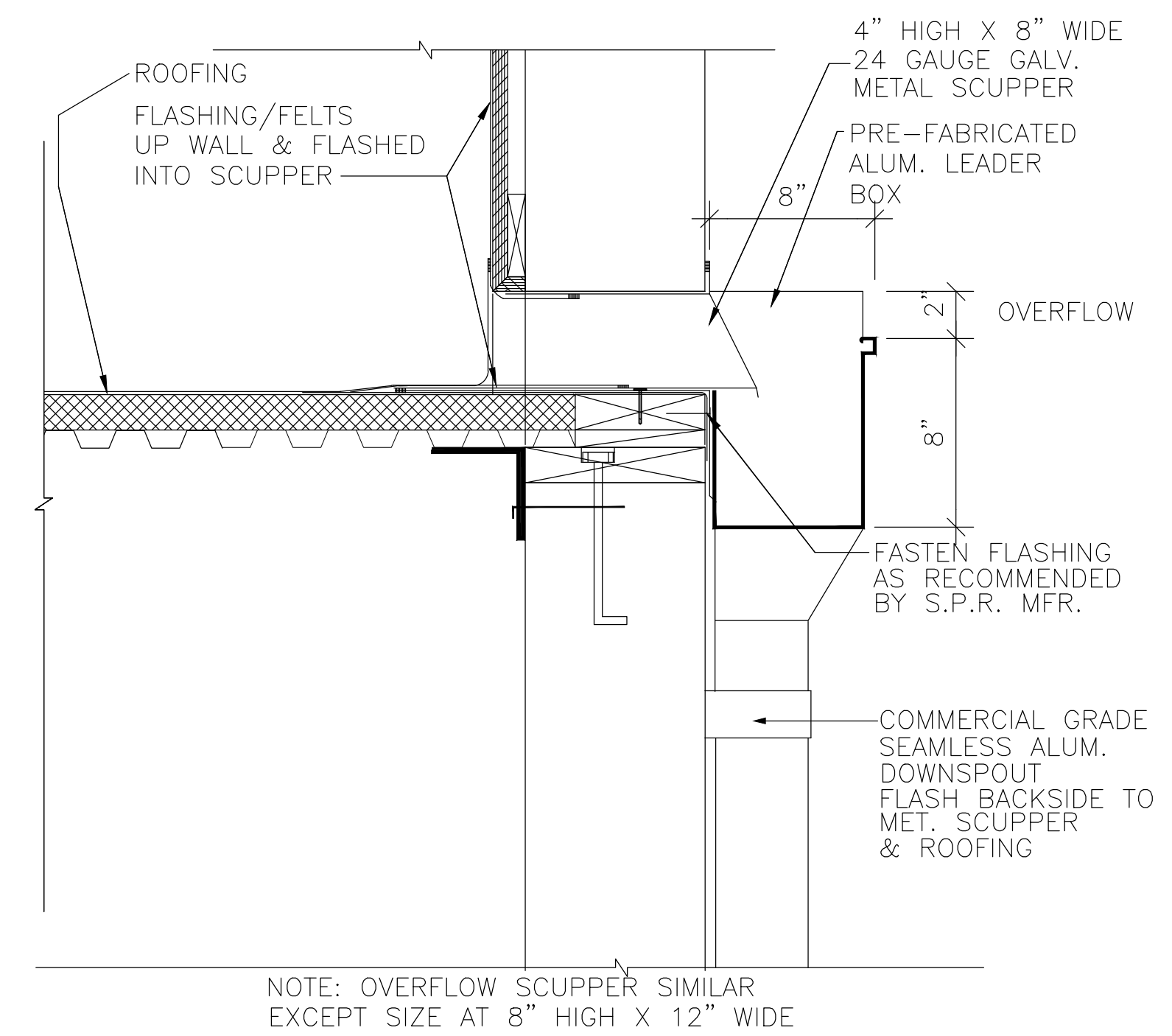
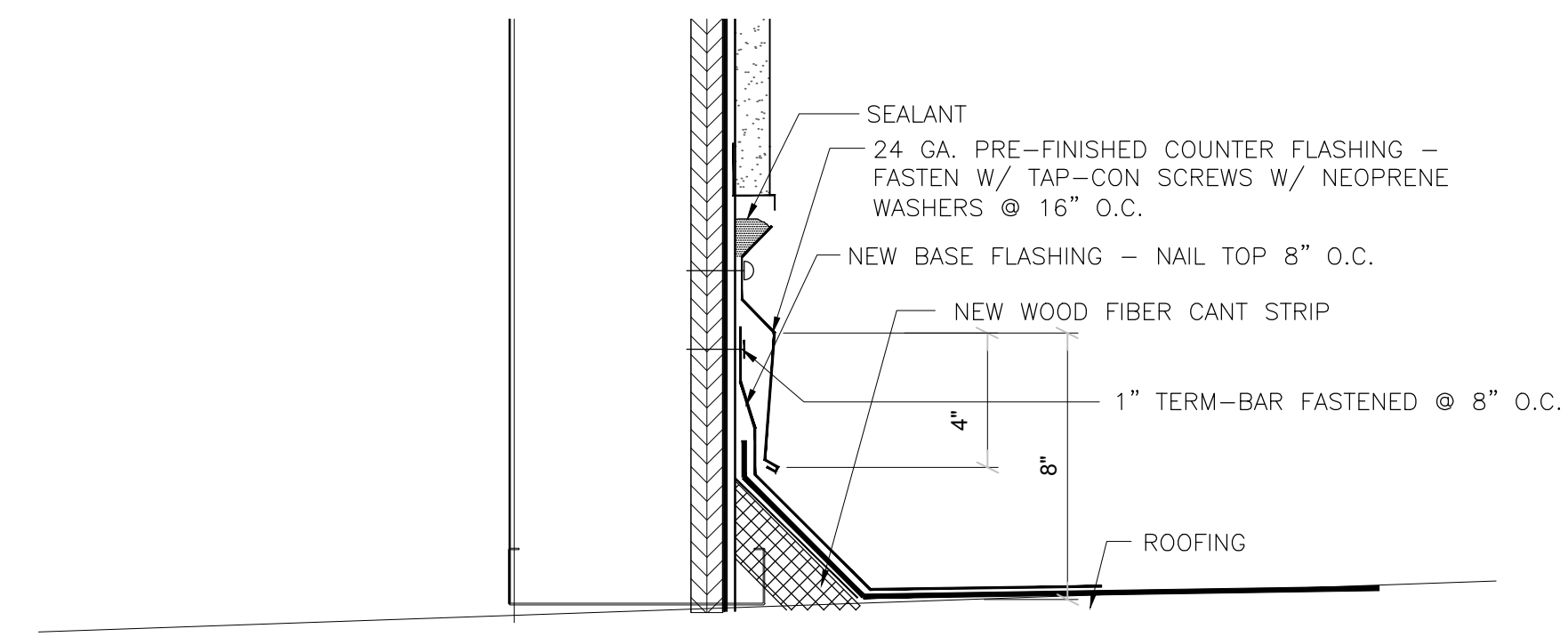
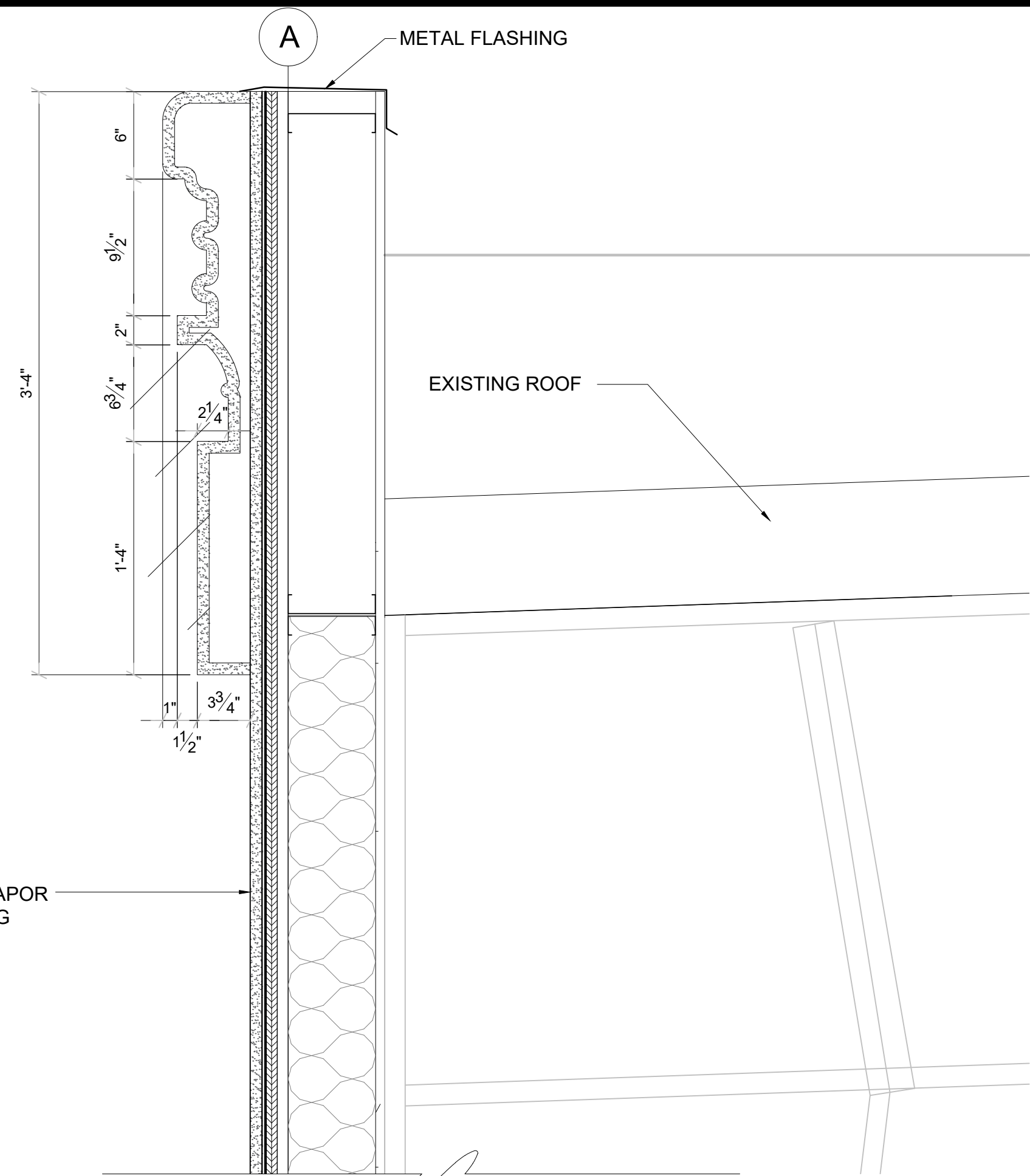
WALL SECTION DETAILS
 NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

SHEET NO.
A5.2

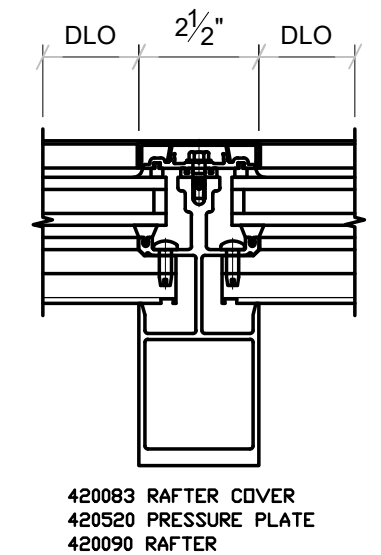
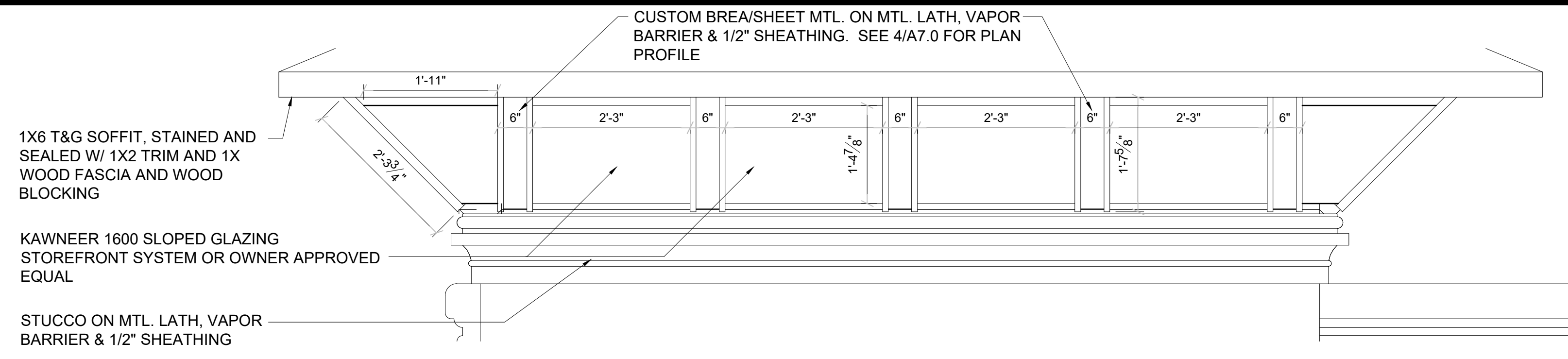


WHITE STONE VENEER (UP TO 5'-0" A.F.F.):
 TYPE IS A ASHLAR PATTERN, CHOPPED/SPIT
 FACE, COURSBLE LIMESTONE. COLOR IS
 KIRBY CREAM. THICKNESS TO BE 3'-5"
 DEPTHS. MORTAR TO BE SAVANNAH IVORY:
 ARGOS-US.COM. STONE TO BE HARVESTED
 BY KIRBY STONE COMPANY, LLC AND
 DISTRIBUTED BY ACME BRICK COMPANY.

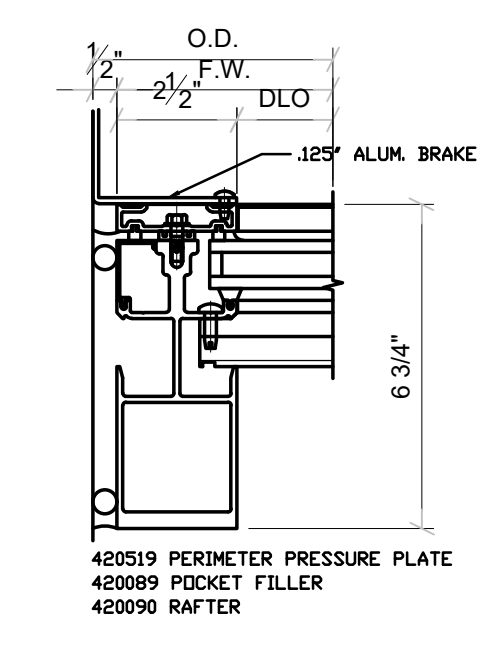
3/4" PLYWOOD
 NEW 5/8" GYP. BD. ON FACE OF EXT. STRUCT.
 R-19 BATT INSULATION IN EXTERIOR WALL,
 TYP.

EXISTING CONC. PAVEMENT.
 20 GAUGE BASE PLAT FRAME.
 REF. STRUCTURAL DRAWINGS

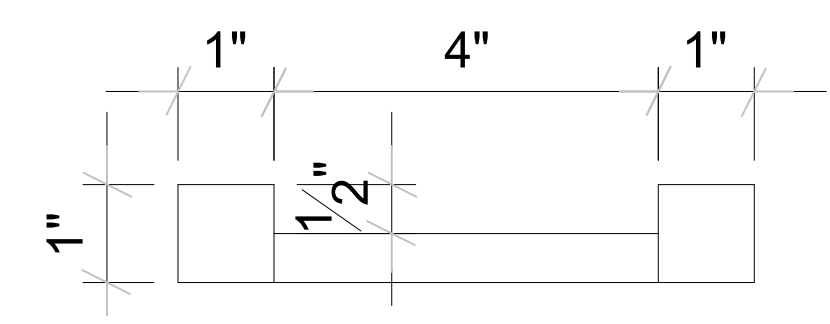
WEEP SCREED AT
 WALL BOTTOM



2 KAWNEER 1600 SLOPED GLAZING SYSTEM - RAFTER DETAIL
SCALE: 3" = 1'-0"

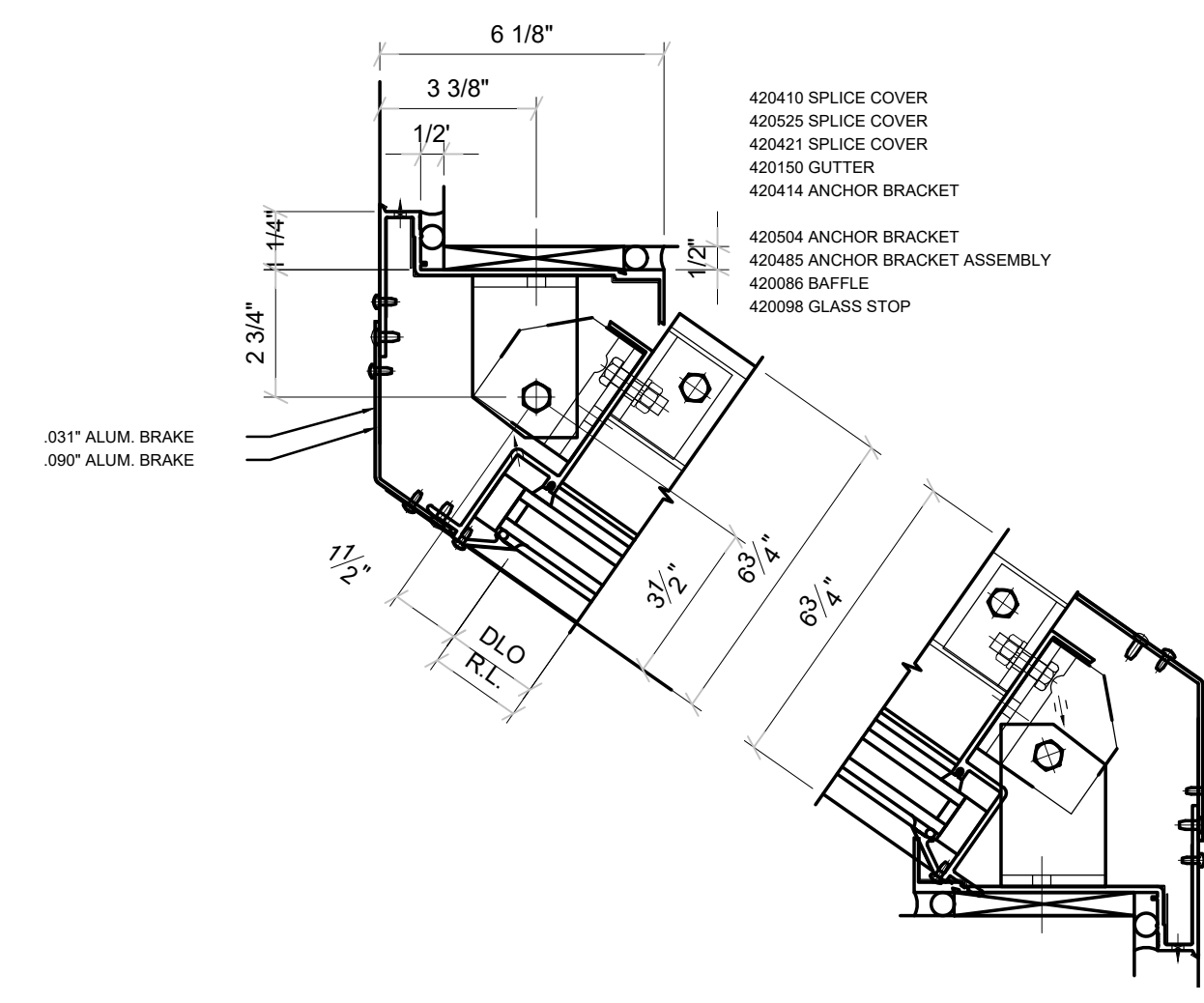


3 KAWNEER 1600 SLOPED GLAZING SYSTEM - VERTICAL JAMB DETAIL
SCALE: 3" = 1'-0"

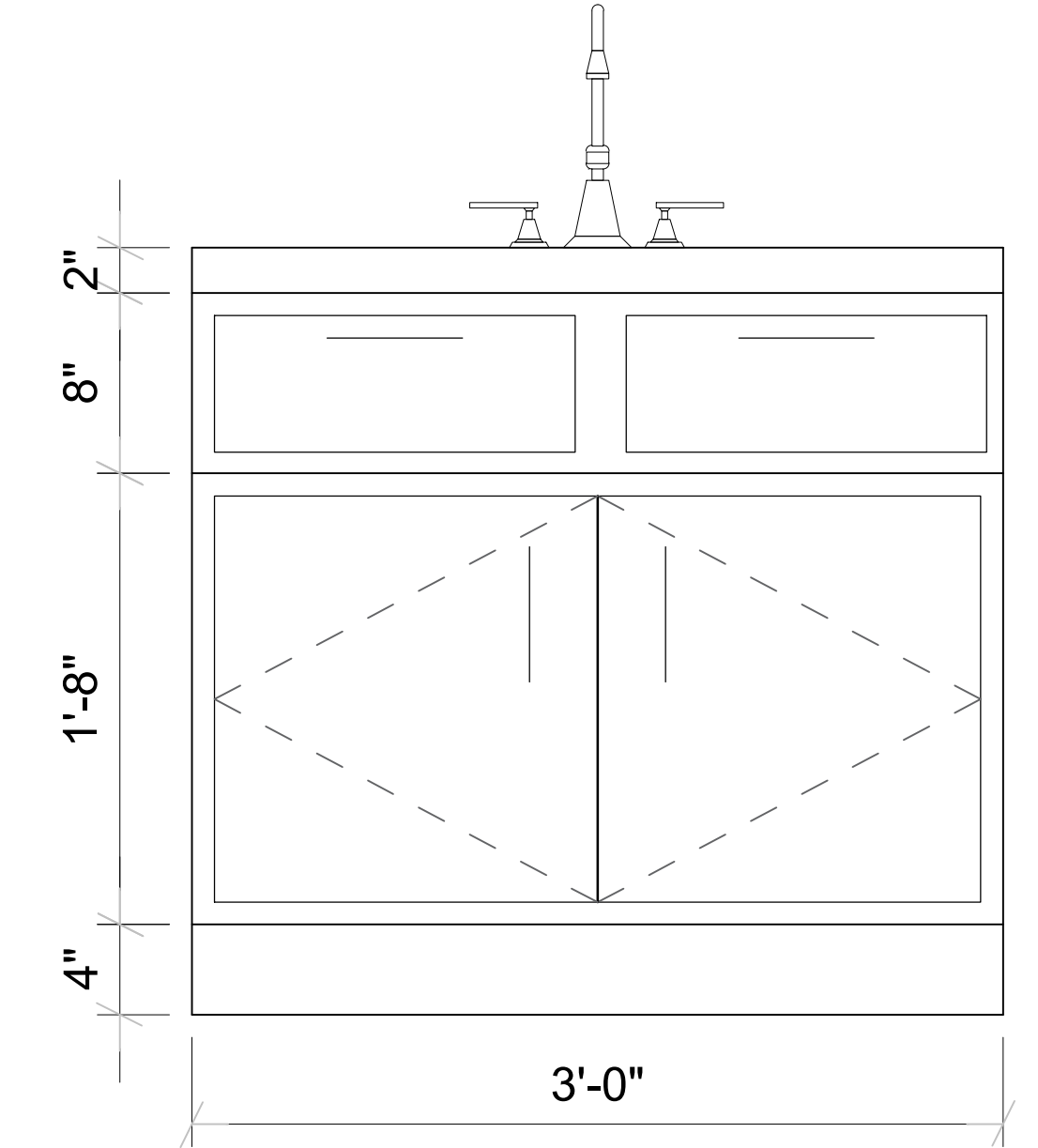


4 BREAK METAL DETAIL
SCALE: 6" = 1'-0"

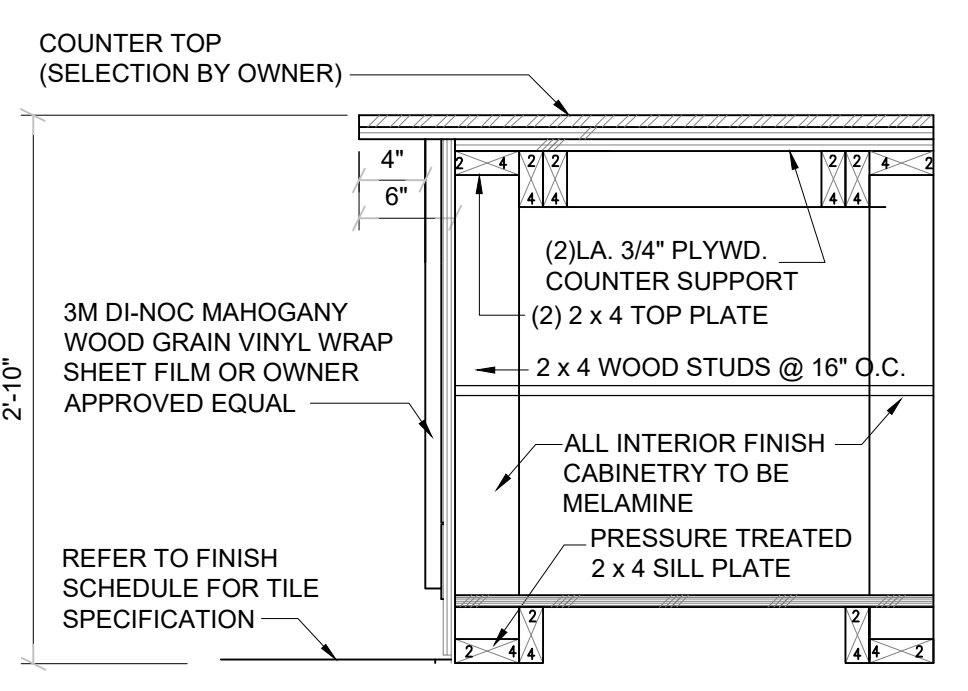
1 CORBEL ENLARGED DETAIL
SCALE: 3/4" = 1'-0"



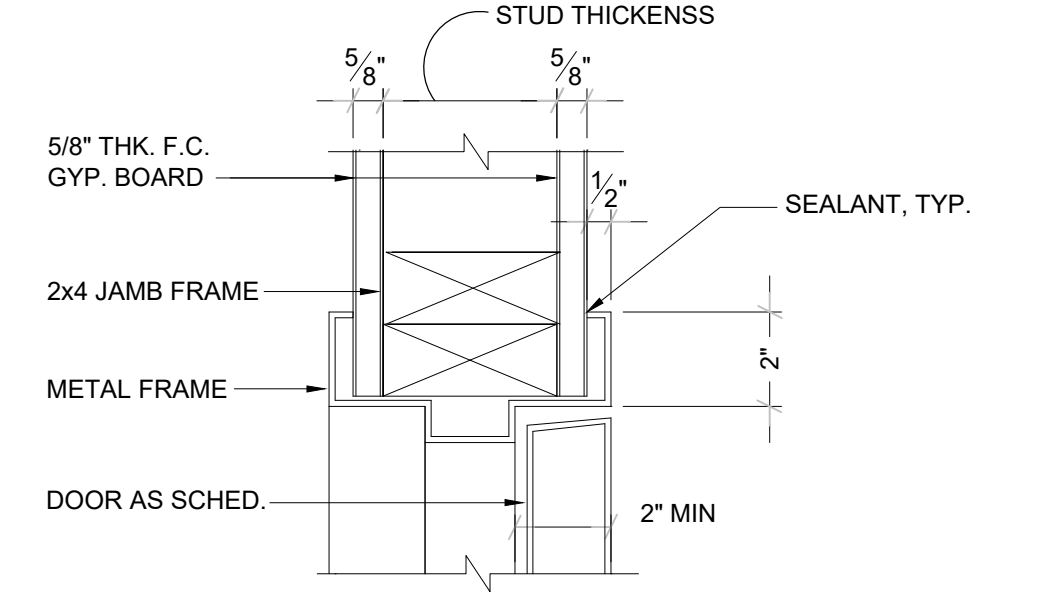
5 KAWNEER 1600 SLOPED GLAZING DETAIL
SCALE: 3" = 1'-0"



6 EXAM ROOM CABINET DETAIL
SCALE: 3" = 1'-0"

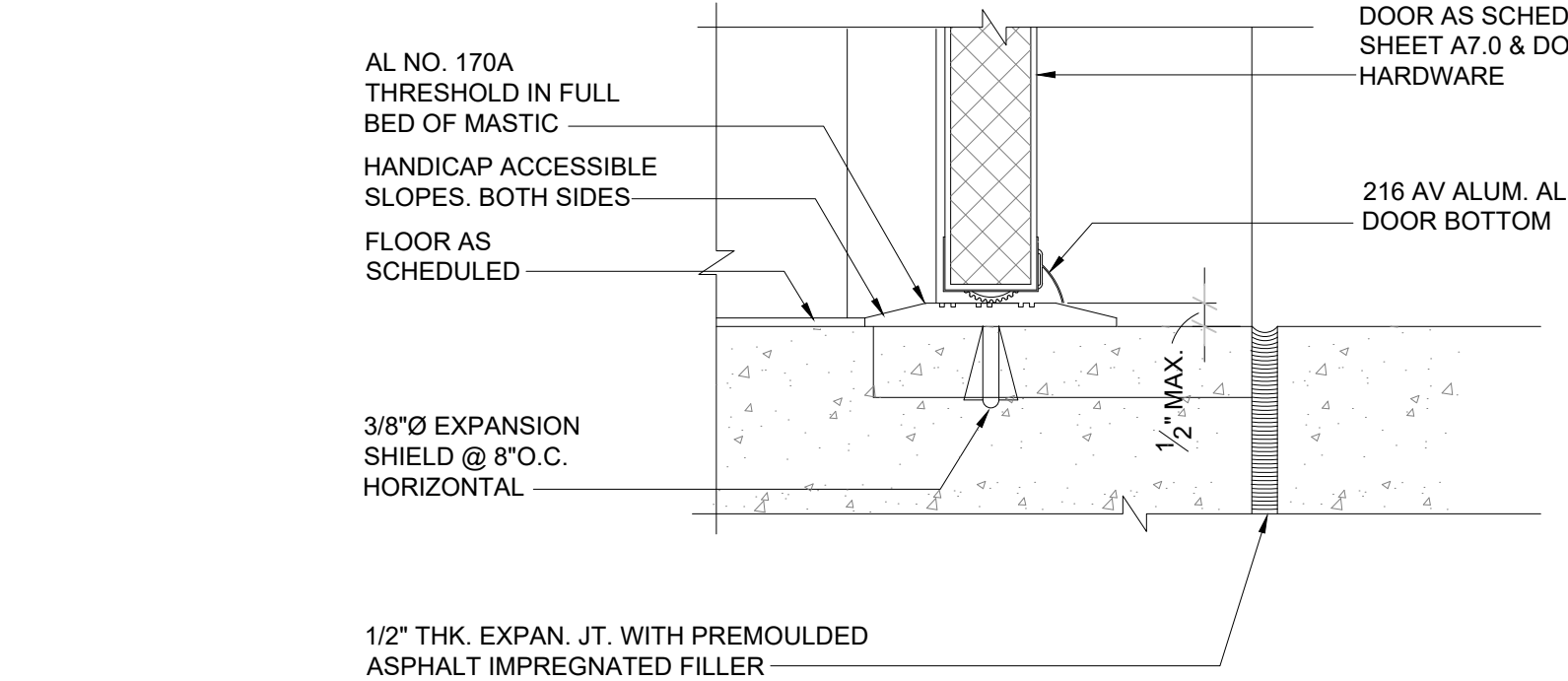


7 EXAM ROOM CABINET SECTION DETAIL
SCALE: 1" = 1'-0"

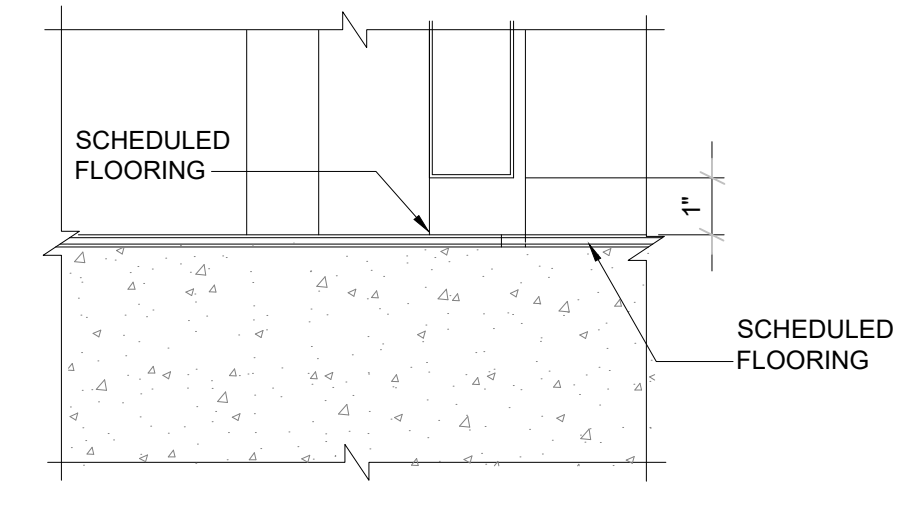


8 DOOR JAMB DETAIL HEAD (SIM.)
SCALE: 3" = 1'-0"

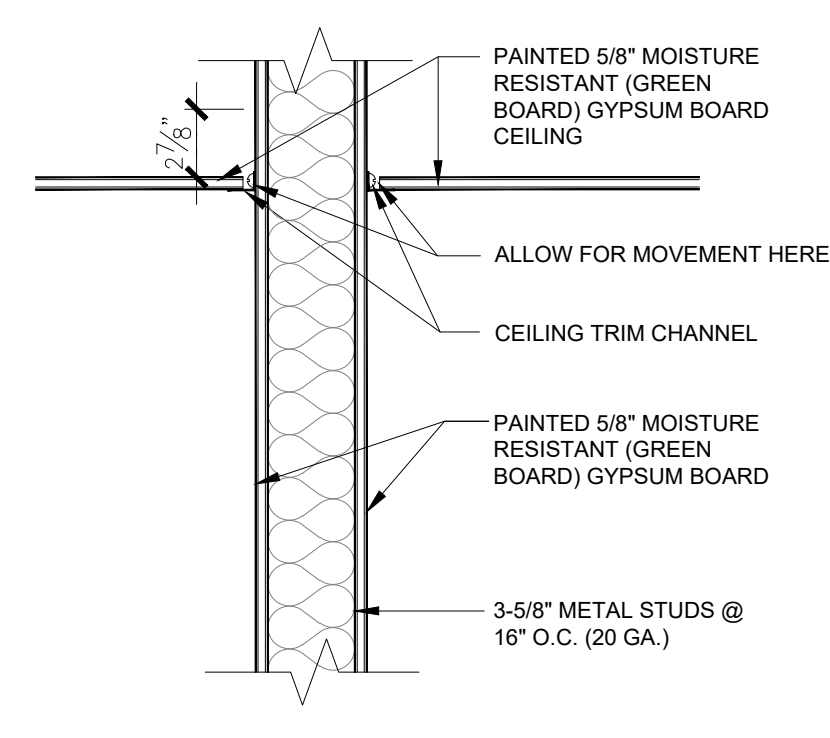
NOTE:
• ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
• ALL WOOD BLOCKING AND FRAMING SHALL NON-COM TREATED LUMBER.



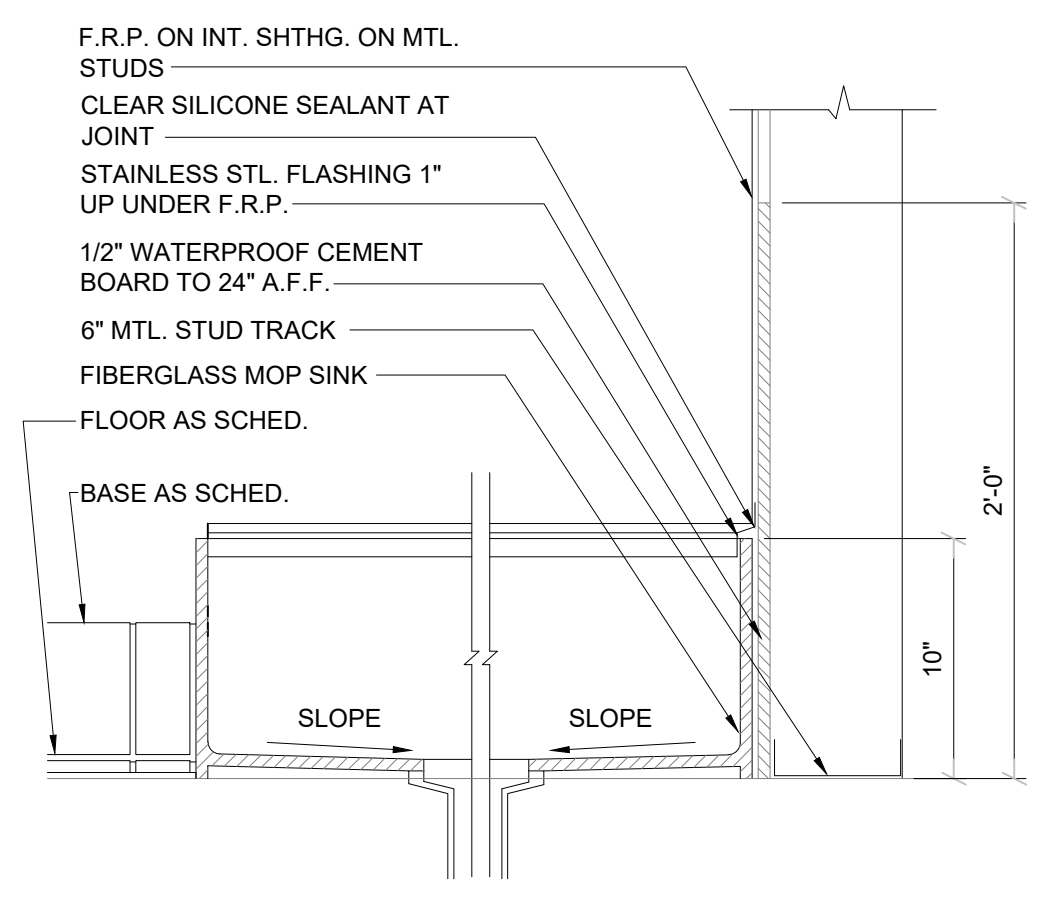
9 DOOR SILL DETAIL
SCALE: 3" = 1'-0"



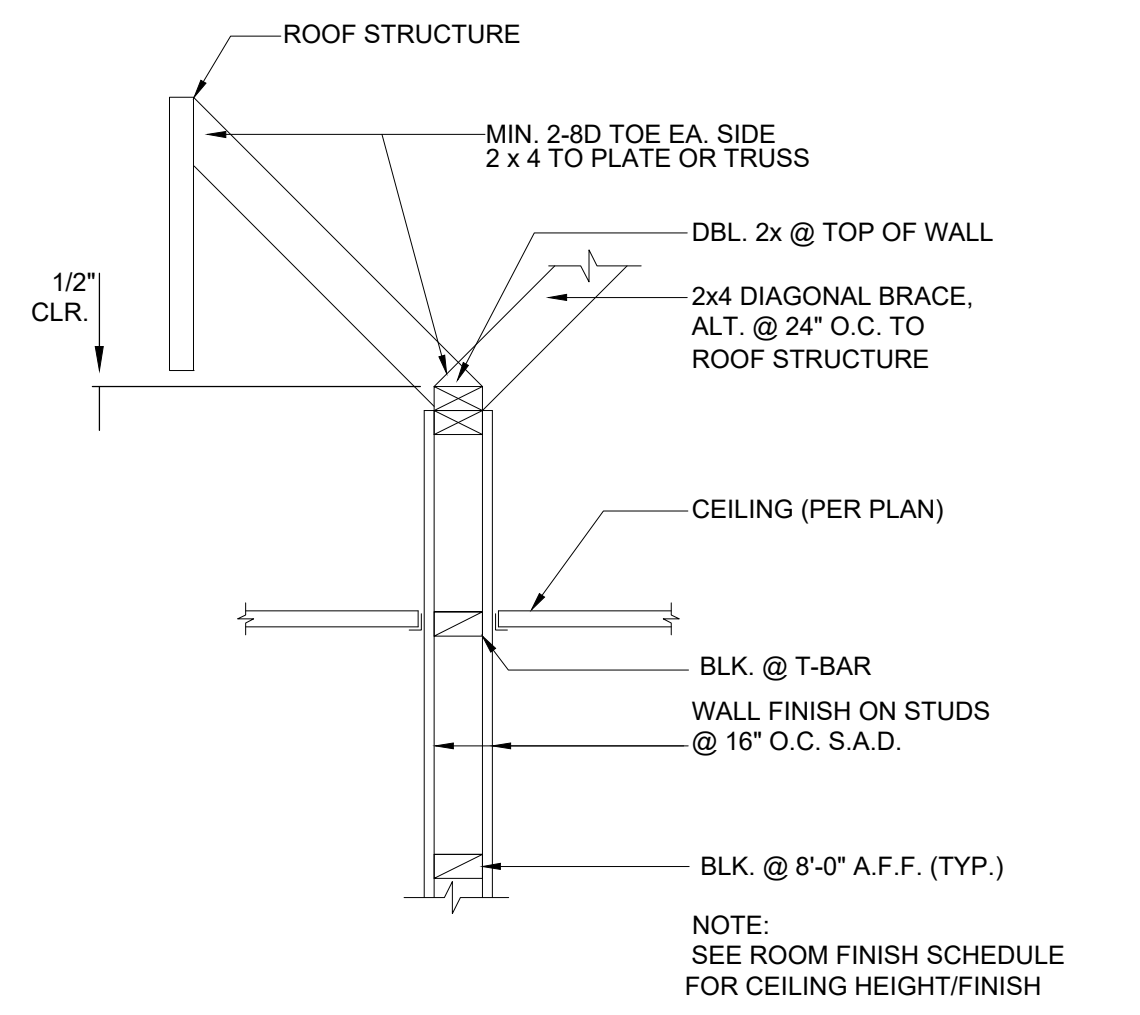
10 TRESHOLD DETAIL
SCALE: 3" = 1'-0"



11 RESTROOM CEILING DETAIL
SCALE: 1-1/2" = 1'

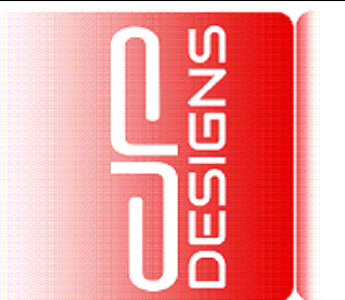


12 MOP SINK DETAIL
SCALE: 1 1/2" = 1'-0"

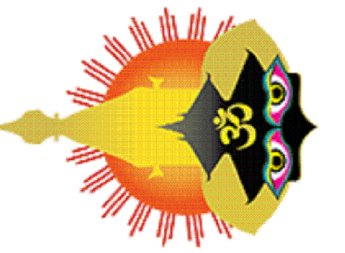


13 WALL BRACING DETAIL
SCALE: 3" = 1'-0"

DRAWN BY: DP
CHECKED BY: DP



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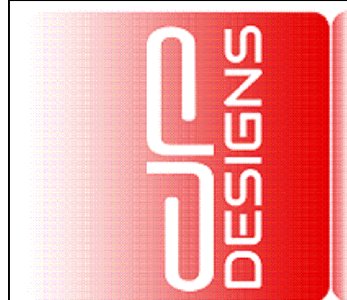
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

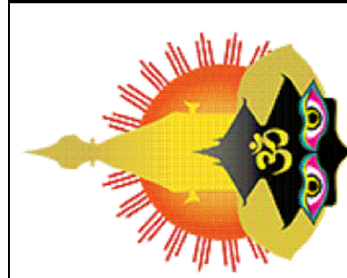
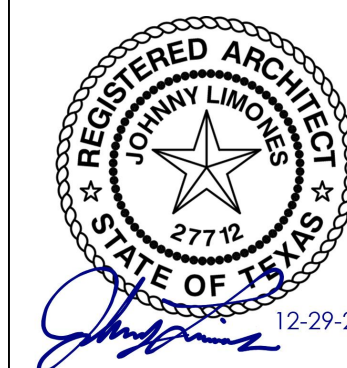
SCALE:
AS NOTED

PROJECT NO.
088-01

SHEET NO.
A7.0



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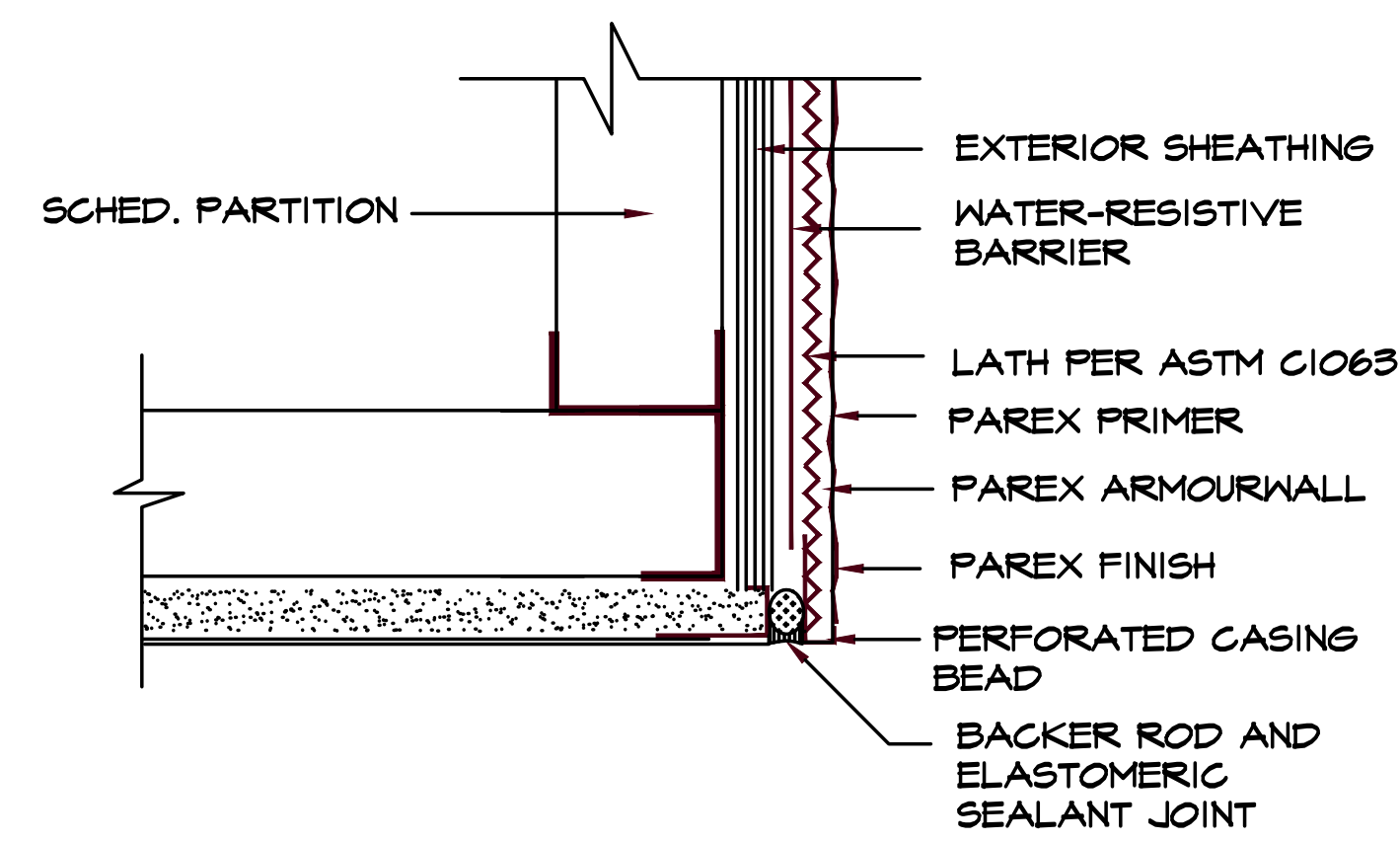
STUCCO DETAILS
 NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

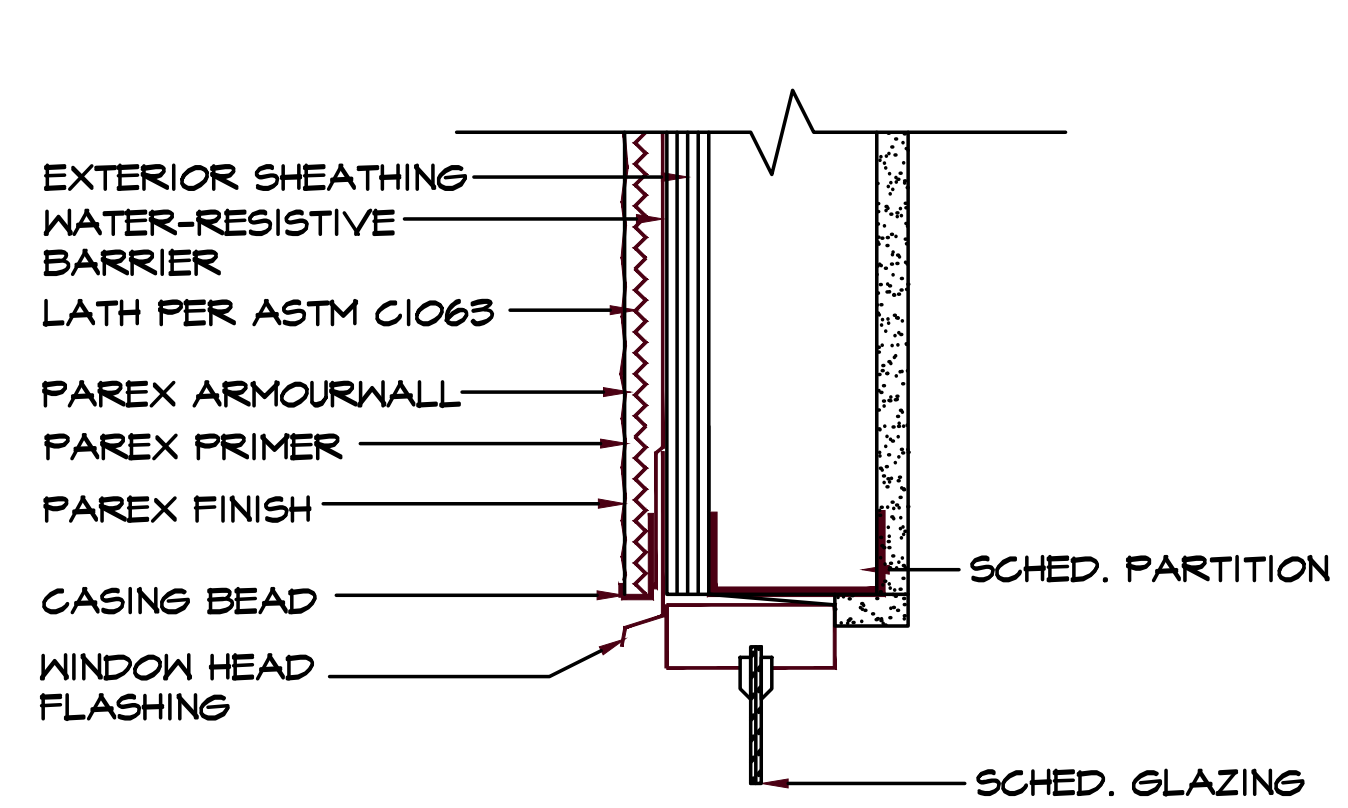
SCALE:
AS NOTED

PROJECT NO.
088-01

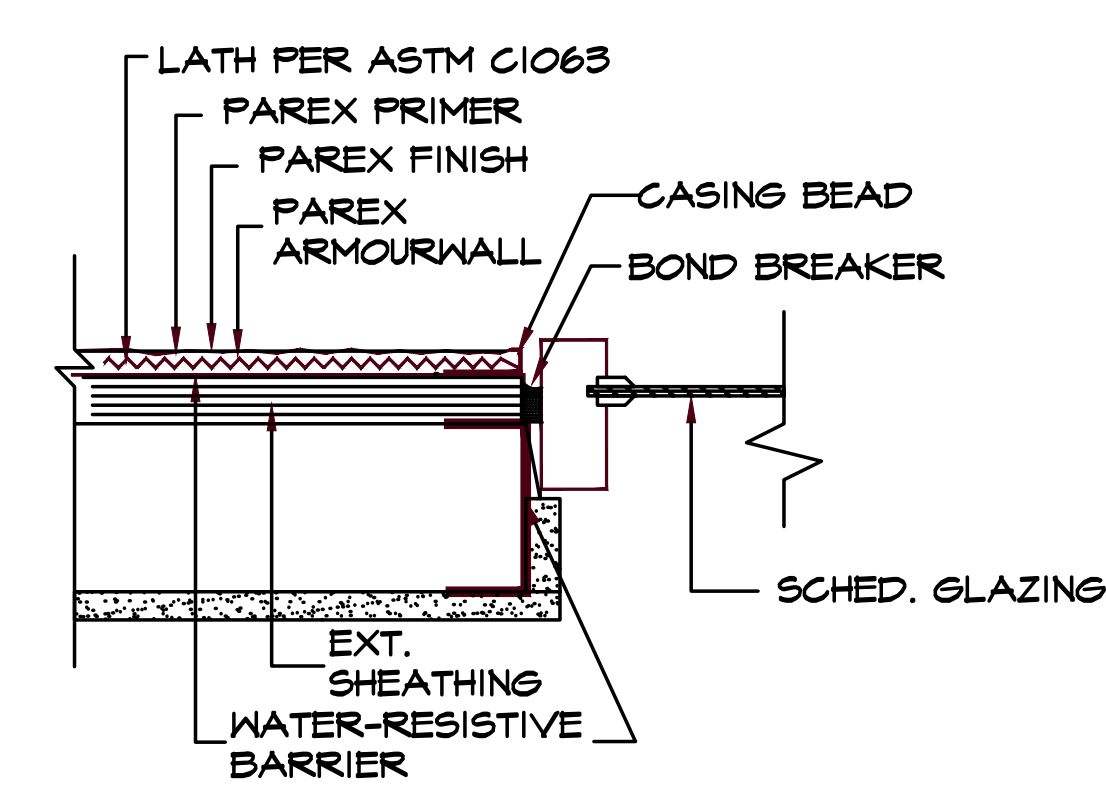
SHEET NO.
A7.1



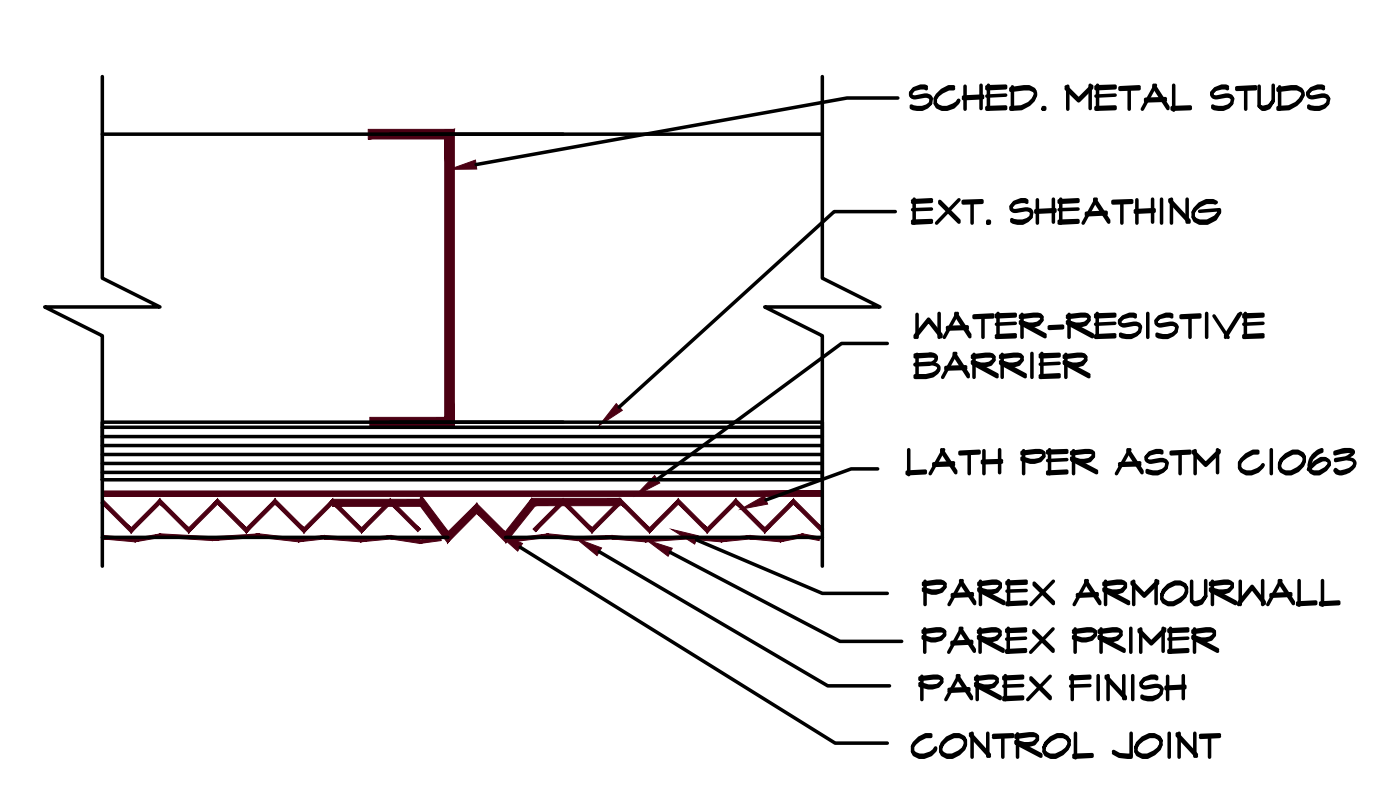
1 STUCCO FASCIA/SOFFIT JOINT DETAIL
 A7.1 NOT TO SCALE



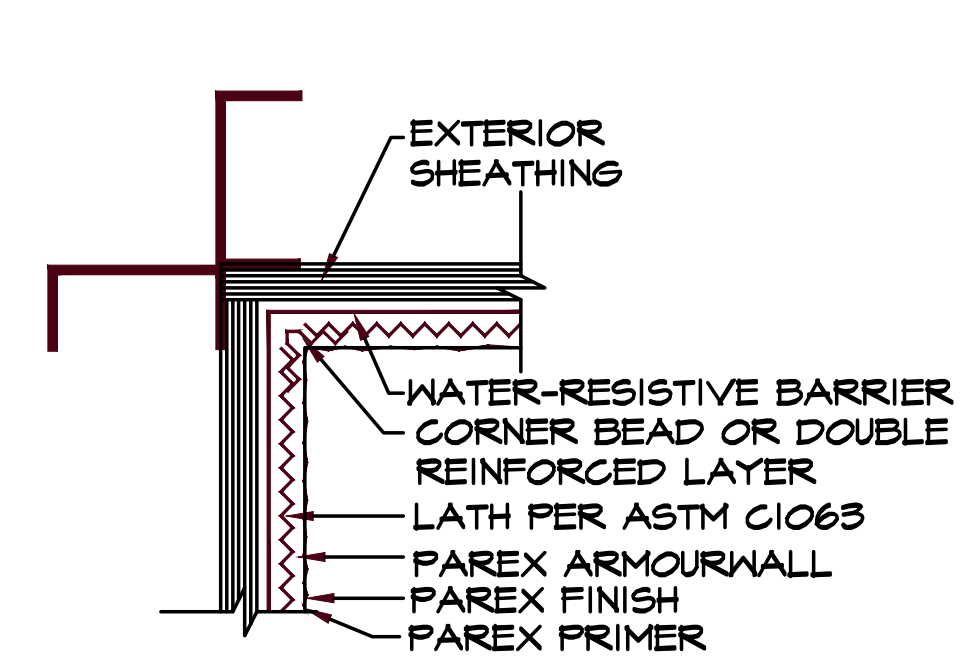
2 STUCCO WINDOW HEAD ASSEMBLY DETAIL
 A7.1 NOT TO SCALE



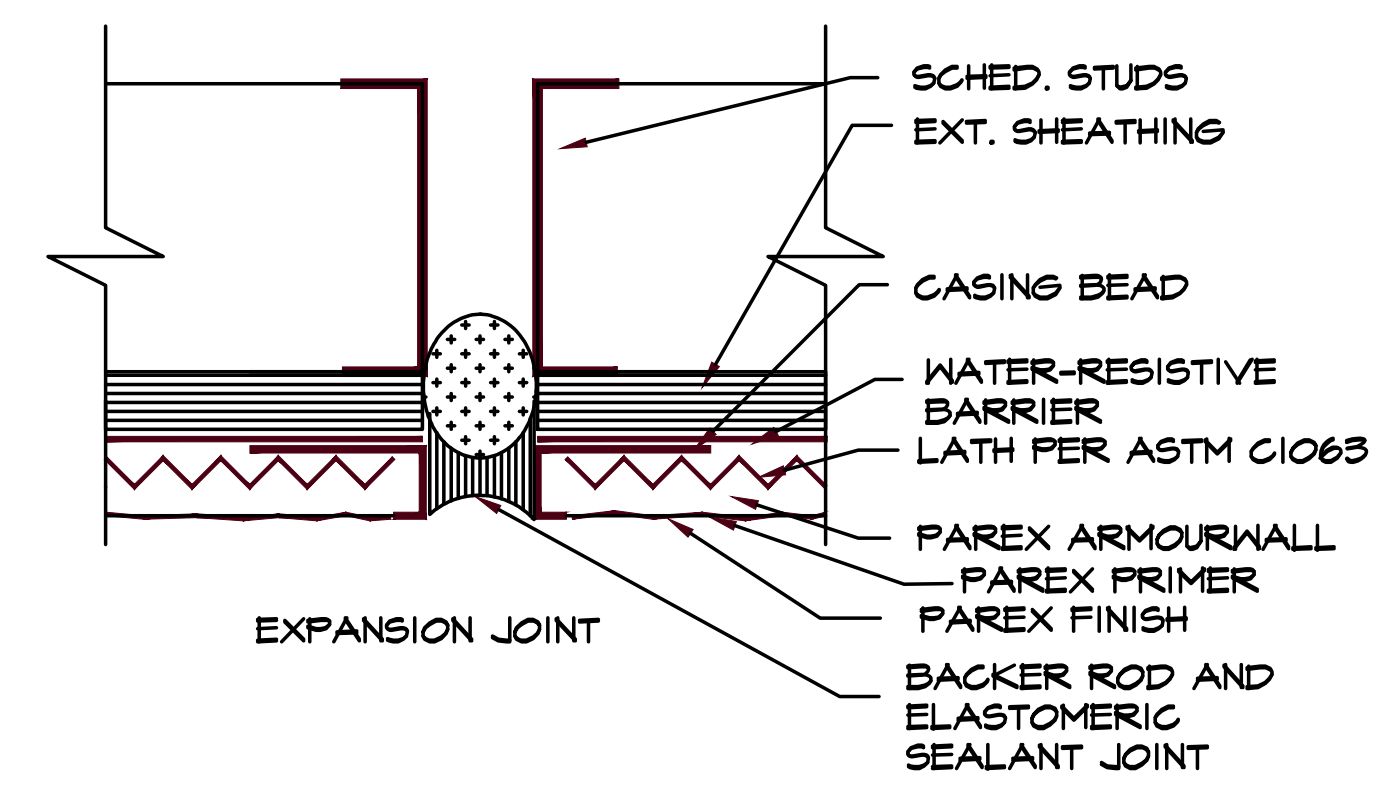
3 STUCCO WINDOW JAMB ASSEMBLY DETAIL
 A7.1 NOT TO SCALE



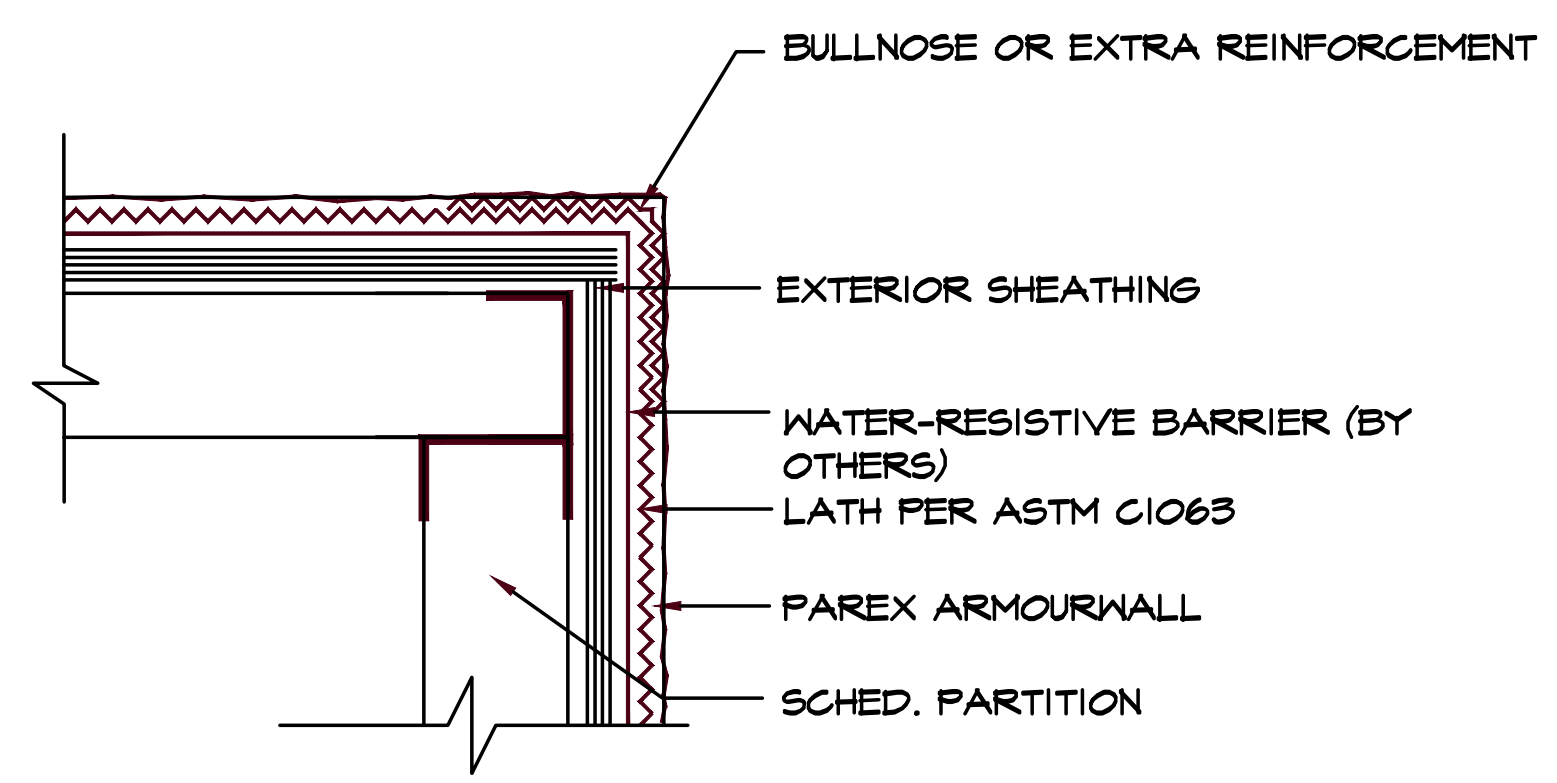
4 STUCCO CONTROL JOINT DETAIL
 A7.1 NOT TO SCALE



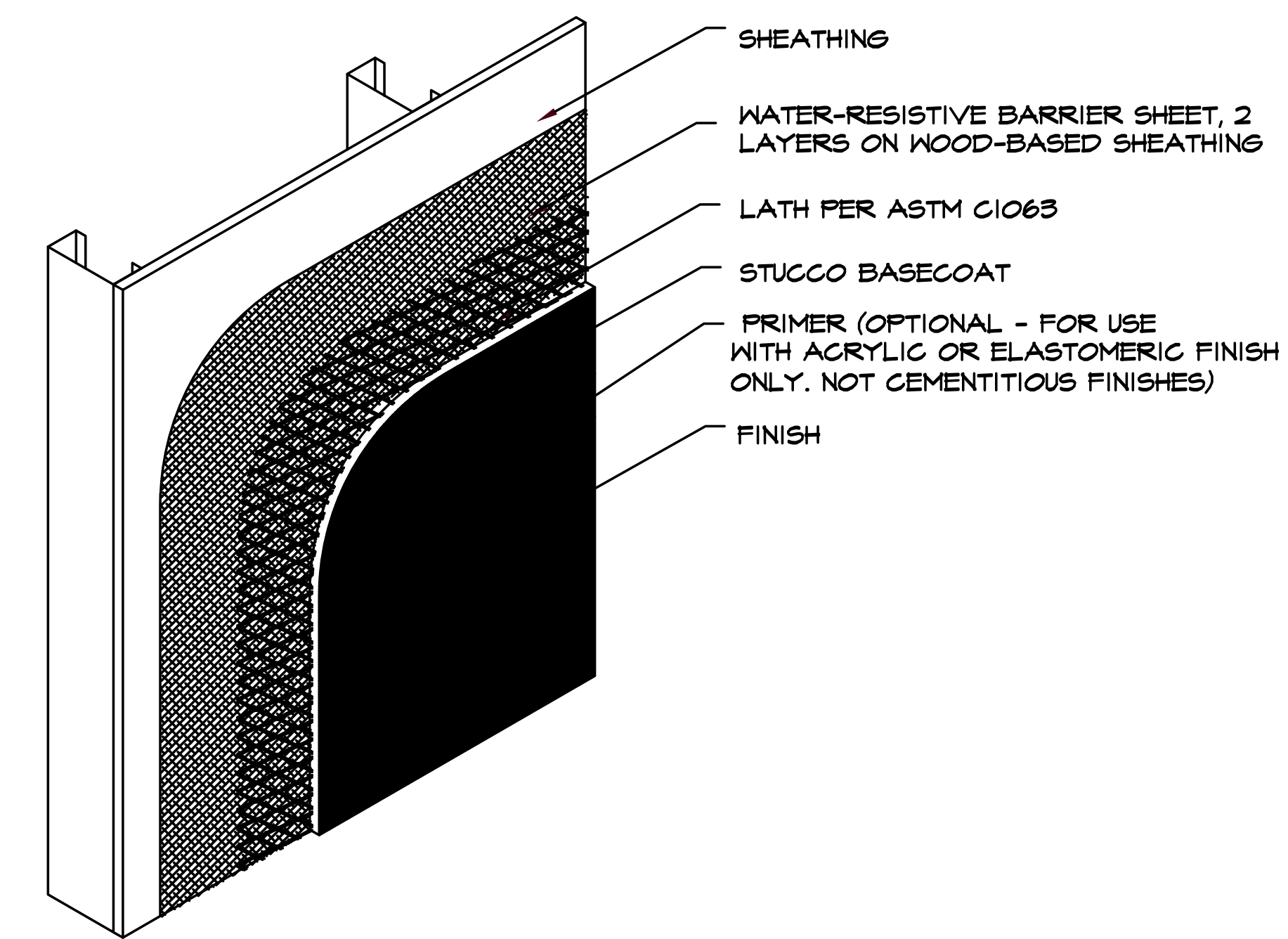
5 STUCCO INSIDE CORNER DETAIL
 A7.1 NOT TO SCALE



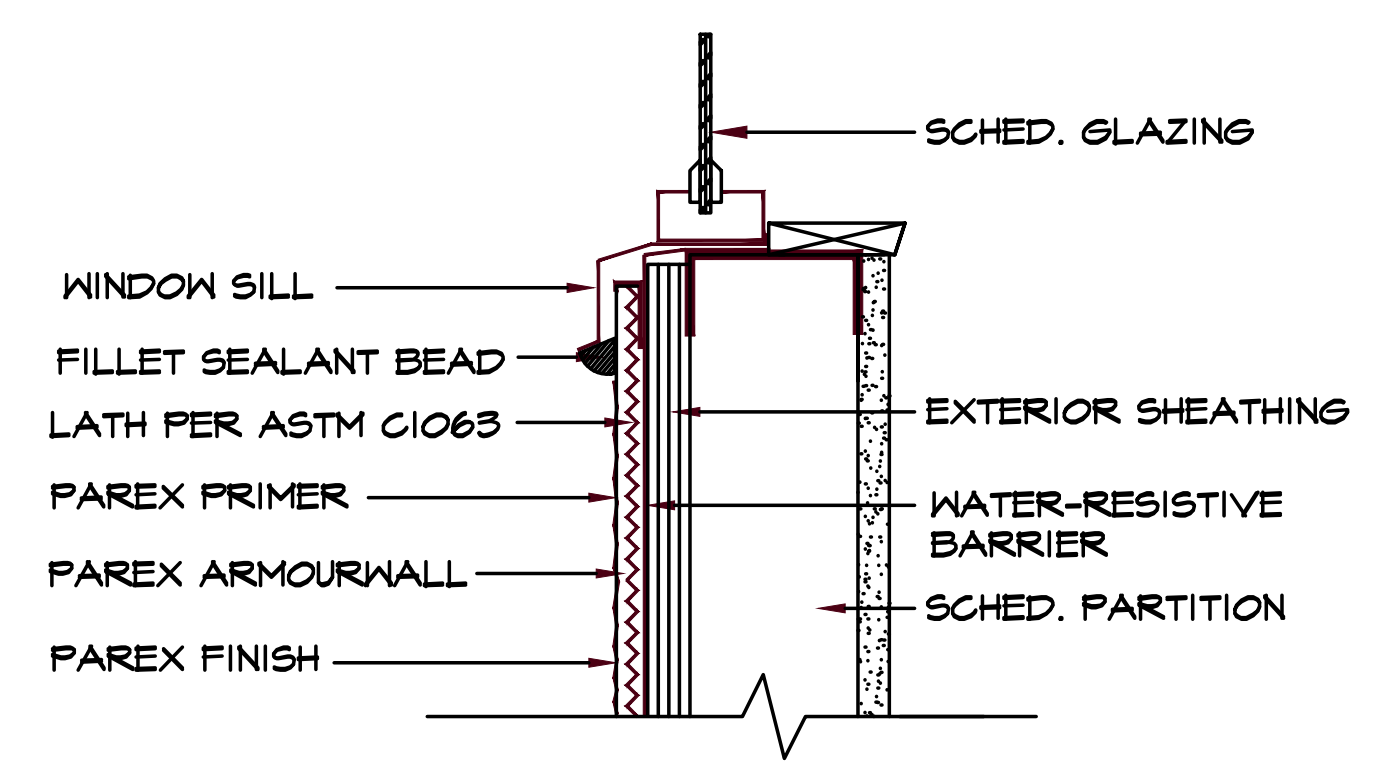
6 STUCCO CONTROL JOINT AND EXPANSION JOINT DETAIL
 A7.1 NOT TO SCALE



7 STUCCO OUTSIDE CORNER DETAIL
 A7.1 NOT TO SCALE



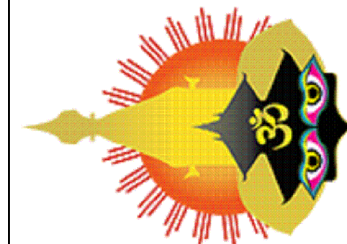
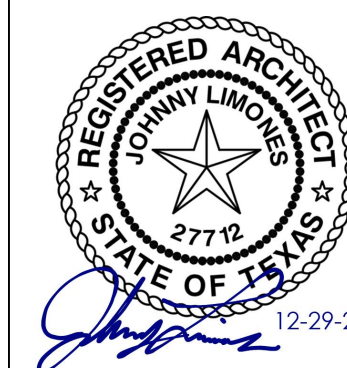
8 STUCCO ISOMETRIC DETAIL
 A7.1 NOT TO SCALE



9 STUCCO WINDOW SILL ASSEMBLY DETAIL
 A7.1 NOT TO SCALE



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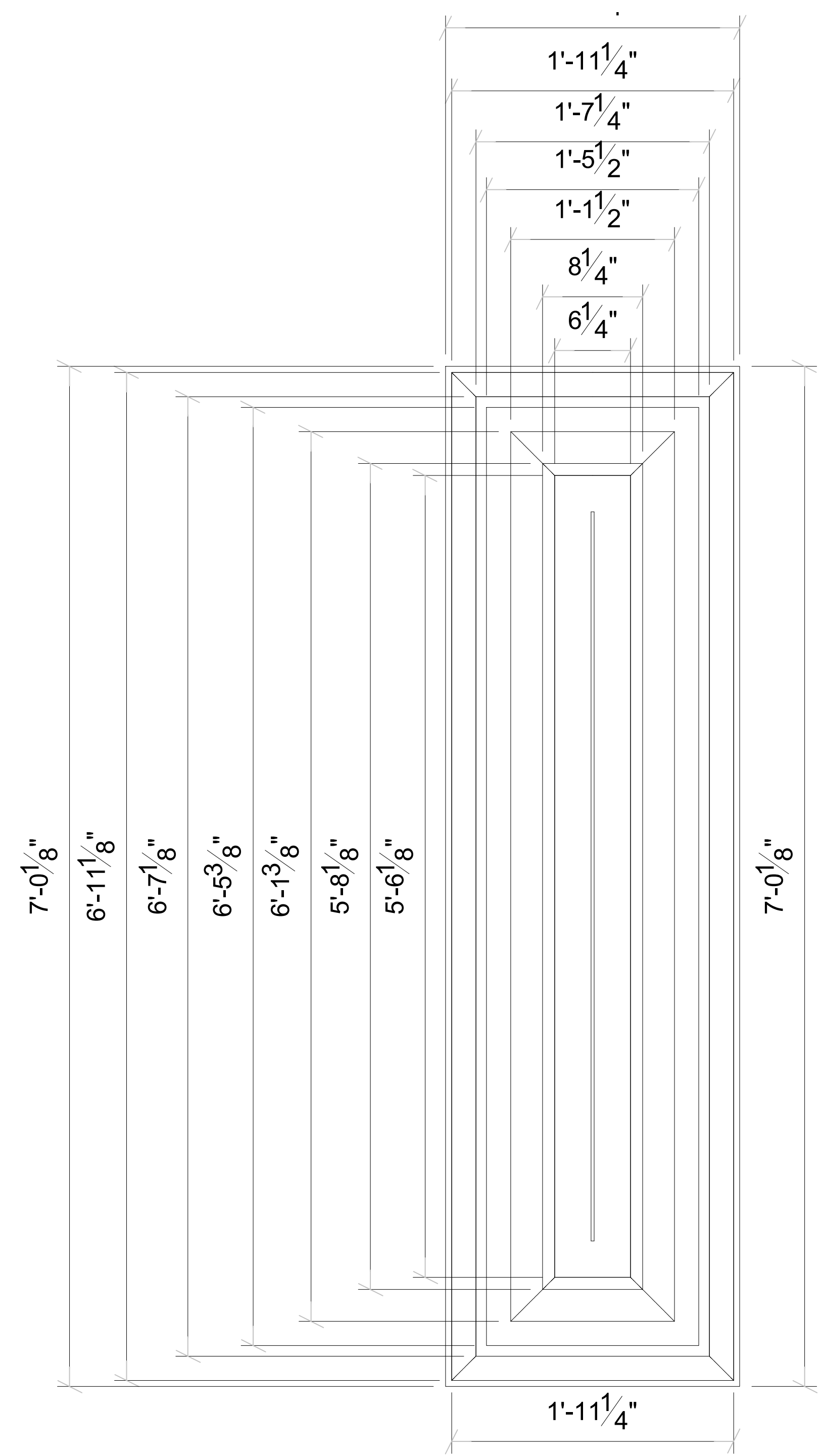
STUCCO DETAILS
 NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

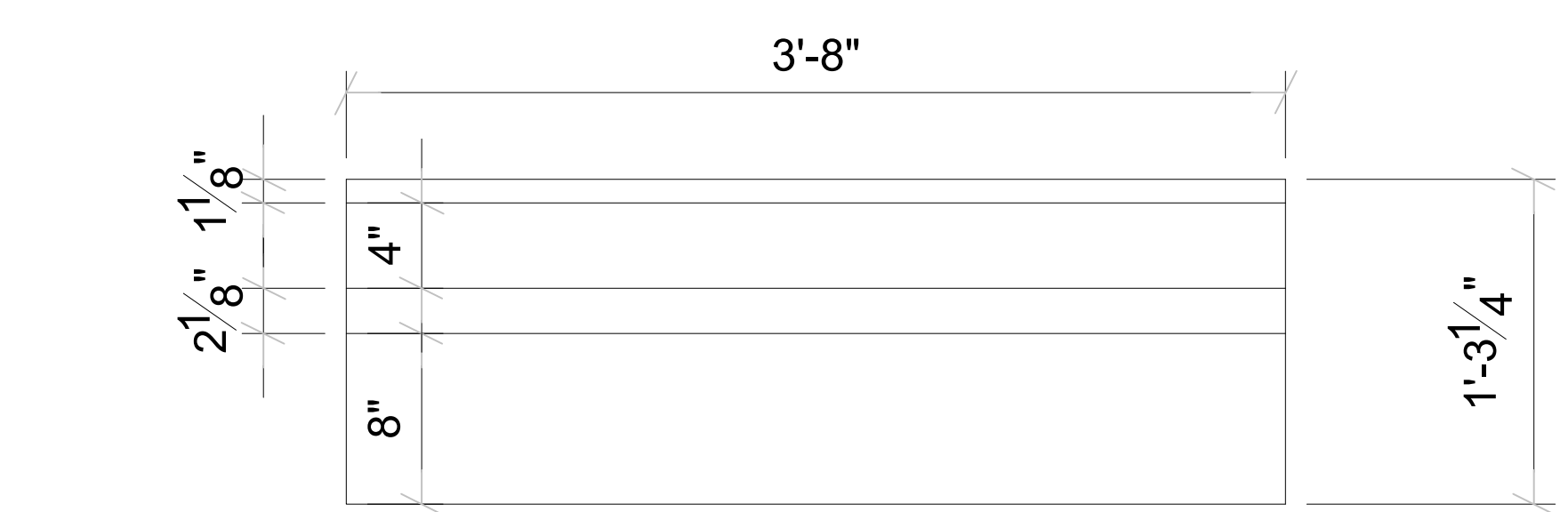
PROJECT NO.
088-01

SHEET NO.
A7.2

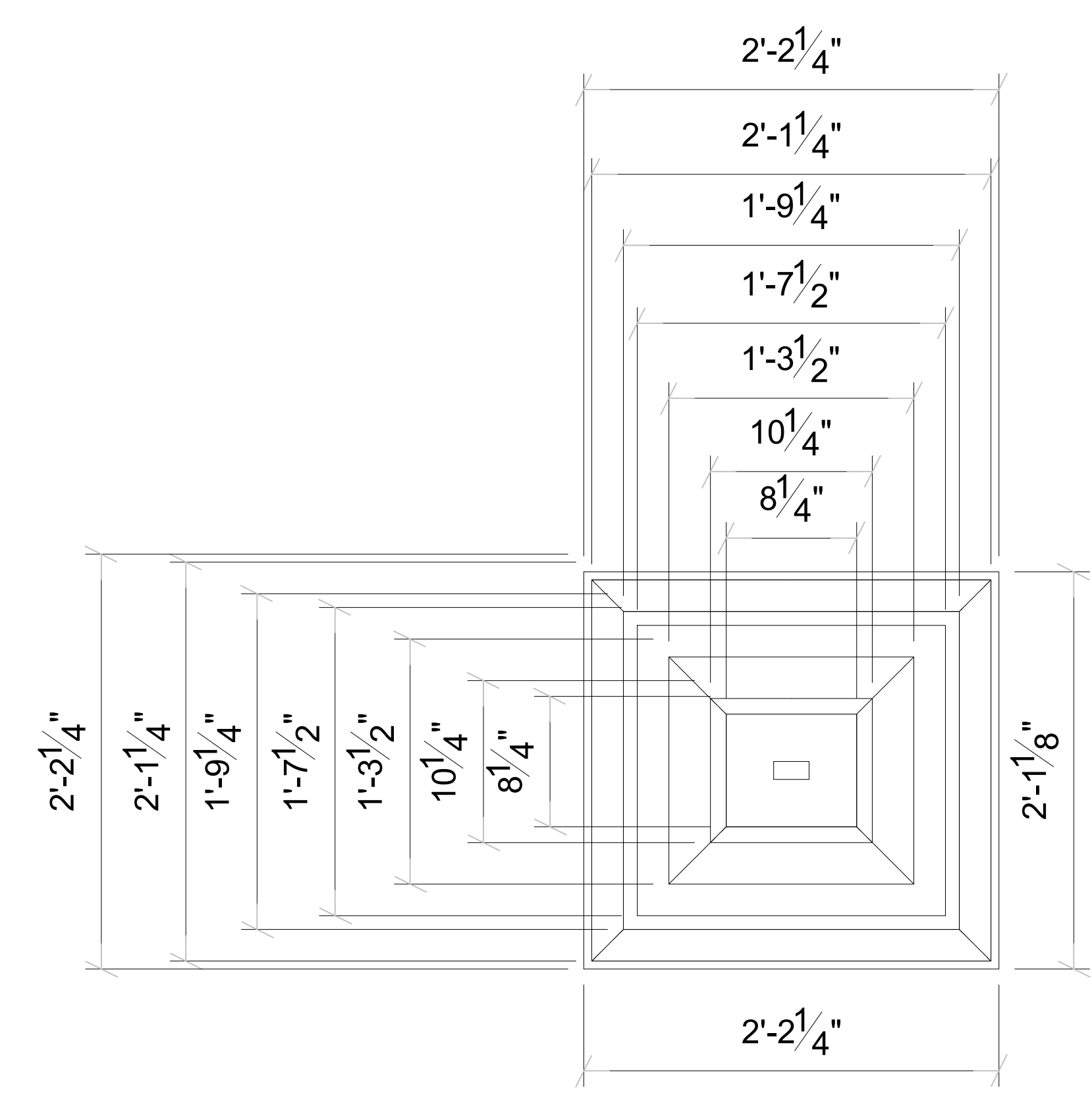


1 STUCCO WALL DETAIL
 A7.2 SCALE: 1 1/2" = 1'-0"

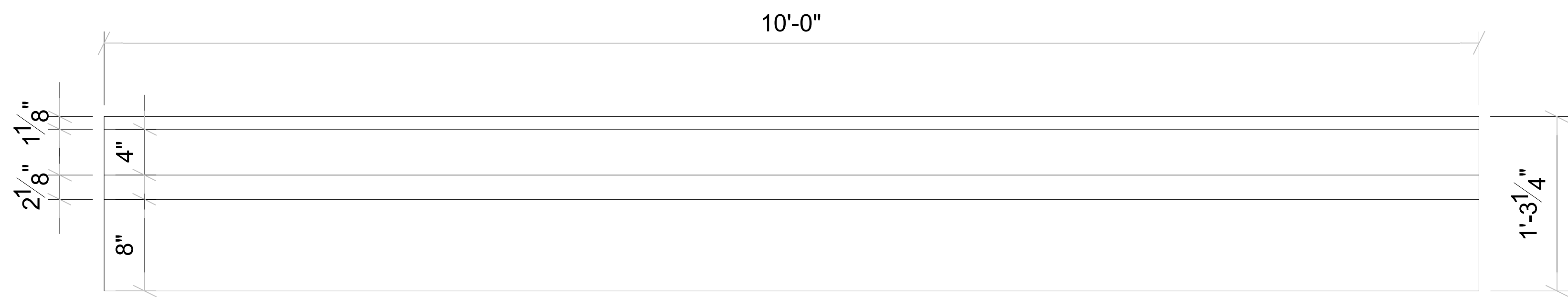
NOTE: ALL STUCCO DETAILS ON THIS PAGE ARE 1" IN THICKNESS



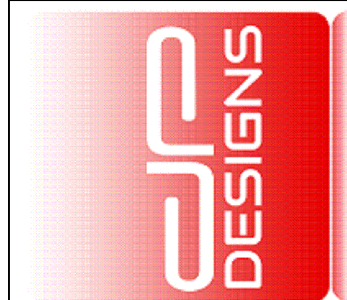
2 STUCCO WALL DETAIL
 A7.2 SCALE: 1 1/2" = 1'-0"



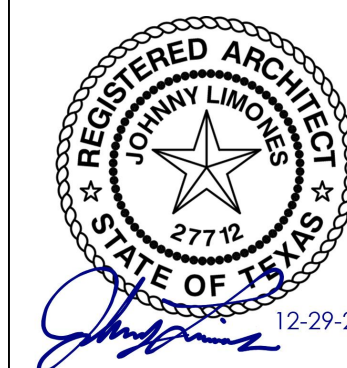
3 STUCCO WALL DETAIL
 A7.2 SCALE: 1 1/2" = 1'-0"



4 STUCCO WALL DETAIL
 A7.2 SCALE: 1 1/2" = 1'-0"



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DOOR SCHEDULE
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED
PROJECT NO.
088-01
SHEET NO.
A8.0

DOOR SCHEDULE

Door Schedule

To Room: Number	To Room: Name	Mark	Phase Created	Function	Type	Height	Width	Thickness	Fire Rating	Frame Type	Frame Material	Door Hardware Group	Comments	Finish	Operation	Model	Manufacturer
Exterior																	
BS100	STORAGE	BS100B	New Construction	Exterior	Door Overhead	9' - 0"	8' - 0"	0' - 1 1/2"									
P100	VESTIBULE	P100A	New Construction	Exterior	72" x 84" EXT	6' - 8 1/4"	5' - 9 1/2"					12					
P100	VESTIBULE	P100B	New Construction	Exterior	72" x 84" EXT	6' - 8 1/4"	5' - 9 1/2"					12					
P103	EVENT HALL	P103B	New Construction	Exterior	36" x 84" EXT	7' - 0"	3' - 0"	0' - 2"				1;2;3;4;7;8;9;10;11;12					
P104	CAFETERIA	P104C	New Construction	Exterior	36" x 84" EXT	7' - 0"	3' - 0"	0' - 2"				1;2;3;4;7;8;9;12	MUST BE KEYED OPERABLE FROM OUTSIDE				
P104	CAFETERIA	P104B	New Construction	Exterior	36" x 84" EXT	7' - 0"	3' - 0"	0' - 2"				1;2;3;4;7;8;9;10;11;12					
P105	ENTRANCE	P105A	New Construction	Exterior	72" x 84" EXT	6' - 8 1/4"	5' - 9 1/2"					1;2;3;4;7;8;9;10;11;12					
P113	EXIT	P113A	New Construction	Exterior	36" x 84" EXT	7' - 0"	3' - 0"	0' - 2"				1;2;3;4;7;8;12					
8																	
Interior																	
B100	CONFERENCE	B100	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B101	OFFICE	B101	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B102	OFFICE	B102	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B103	OFFICE	B103	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B104	OFFICE	B104	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B105	OFFICE	B105	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B107	NCSC HALL	B107A	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B107	NCSC HALL	B107B	New Construction	Interior	32" x 84" FIRE	7' - 0"	2' - 8"	0' - 2"	1 HR			1;3;7;8;9	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
B107A	CLOSET	B107AA	New Construction	Interior	32" x 84" FIRE	7' - 0"	2' - 8"	0' - 2"	1 HR			1;3;7;8;9	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
B108	OFFICE	B108	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
B110	CORRIDOR	B110	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
BS100	STORAGE	BS100C	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
BS103	FIRE RISER ROOM	BS103	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"					1;7;8;9				
E100	TUTORING ROOM	E100	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
E101	TUTORING ROOM	E101	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
E102	TUTORING ROOM	E102	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
E103	TUTORING ROOM	E103	New Construction	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
E104	TUTORING ROOM	E104	Existing	Interior	32" x 84" FIRE	7' - 0"	2' - 8"	0' - 2"	1 HR			1;3;7;8;9	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
E105	TUTORING ROOM	E105	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
E106	TUTORING ROOM	E106	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"					1;7;8;9				
M100	EXAM	M100	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M101	EXAM	M101	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M102	DOC/NURSE OFFICE	M102	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M103	RECEPTION	M103	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M104	RR	M104	New Construction	Interior	34" x 84"	7' - 0"	2' - 10"	0' - 2"									
M105	RR	M105	New Construction	Interior	34" x 84" FIRE	7' - 0"	2' - 10"	0' - 2"	1 HR			3					
M106	NURSE / INTAKE	M106	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M107	DENTAL	M107A	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
M107	DENTAL	M107B	New Construction	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"									
M108	EXAM	M108	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"									
P100	VESTIBULE	P100C	New Construction	Interior	72" x 84"	6' - 8 1/4"	5' - 9 1/2"					1;2;3;4;7;8;9;10;11					
P101	MAIN ENTRANCE	P101A	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9;12					
P101	MAIN ENTRANCE	P101B	New Construction	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9					
P101	MAIN ENTRANCE	P110B	New Construction	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9					
P103	EVENT HALL	P103A	New Construction	Interior	64" x 84"	7' - 0"	5' - 4"	0' - 2"				1;7;8;9;12					
P103	EVENT HALL	P103C	New Construction	Interior	36" x 84"	7' - 0"	3' - 0"	0' - 2"				1;7;8;9;12					
P104	CAFETERIA	P104A	New Construction	Interior	60" x 84"	7' - 0"	5' - 0"	0' - 2"				1;7;8;9					
P105	ENTRANCE	P105B	New Construction	Interior	60" x 84"	7' - 0"	4' - 0"	0' - 2"		HM		1;7;8;9					
P105	ENTRANCE	P105C	New Construction	Interior	32" x 84" FIRE	7' - 0"	2' - 8"	0' - 2"	1 HR			1;3;7;8;9;12	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
P105	ENTRANCE	M109	New Construction	Interior	48" x 84" INT	6' - 8 1/4"	3' - 3 1/2"										
P106	CORRIDOR	P106A	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9					
P106	CORRIDOR	P106B	New Construction	Interior	36" x 84"	7' - 0"	3' - 0"	0' - 2"				1;7;8;12	EXIT SIGN ON CAFETERIA SIDE OF DOOR				
P107	WOMEN'S ROOM	P107	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				1;7;8;9					
P108	MEN'S ROOM	P108	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				1;7;8;9					
P109	KITCHEN	P109A	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9					
P109	KITCHEN	P109B	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				1;7;8;9					
P109A	STORAE	P109AA	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				1;7;8;9					
P110	GENERAL STORE	P110A	Existing	Interior	30" x 84"	7' - 0"	2' - 6"	0' - 2"				1;7;8;9					
P111	GENERAL STORE	P111	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				1;7;8;9					
P112	CORRIDOR	P112A	Existing	Interior	24"x84"	7' - 0"	2' - 0"	0' - 2"				1;7;8;9					
P112	CORRIDOR	BS100A	New Construction	Interior	48" x 84" FIRE	7' - 0"	4' - 0"	0' - 2"	1 HR			1;3;7;8;9	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
P112	CORRIDOR	P113C	New Construction	Interior	34" x 84" FIRE	7' - 0"	2' - 10"	0' - 2"	1 HR			1;3;7;8;9;12	3/4 HOUR RATED DOOR AND FIRE EXIT HARDWARE				
P113	EXIT	P113B	New Construction	Interior	32" x 84"	7' - 0"	2' - 8"	0' - 2"				12					

M109	CORRIDOR	M109	New Construction	Interior	60" x 84"	7' - 0"	5' - 0"	0' - 2"					1;7;8;9				
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GENERAL NOTES NOTES ABOUT DOOR HARDWARE TO BE VERIFIED WITH OWNER.

- DOOR HARDWARE :
1. 4X4 HINGE, 15PAIR
 2. EXIT DEVICE
 3. CLOSER
 4. THRESHOLD & WEATHER STRIP
 5. WALL STOP
 6. FLOOR STOP
 7. HINGE STOP
 8. PASSAGE SET
 9. LOCK SET
 10. ENTRANCE LOCK
 11. LEVER & PUSH BAR
 12. PANIC HARDWARE, TO COMPLY WITH UL305

WINDOW SCHEDULE

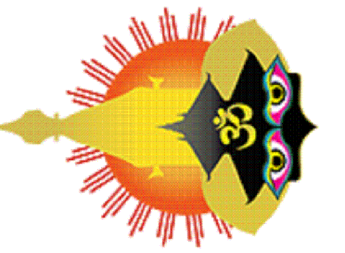
Storefront/Window Schedule					
TYPE	TYPE MARK	LENGTH	HEIGHT	SILL HEIGHT	COMMENTS
Exterior					
Storefront Exterior 8'-0"	SF01	8' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 2"	9' - 0"	0' - 0"	
Storefront Exterior 8'-0"	SF01	8' - 0"	9' - 0"	0' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior 4'-0"	SF02	4' - 0"	6' - 0"	3' - 0"	
Storefront Exterior LT 4'-0"	SF03	3' - 9 11/32"	6' - 0"	3' - 0"	LESS THAN 4'-0" IN LENGTH
Storefront Exterior 10'-0"	SF06	10' - 0"	9' - 0"	0' - 0"	
Storefront Exterior 10'-0"	SF06	10' - 0"	9' - 0"	0' - 0"	
Storefront Exterior 10'-0"	SF06	10' - 0"	9' - 0"	0' - 0"	
Storefront Exterior 10'-0"	SF06	10' - 0 1/2"	9' - 0"	0' - 0"	
25					

Interior					
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior 2'-0"	SF04	2' - 0"	7' - 2"	0' - 0"	
Storefront Interior LT 2'-0"	SF05	1' - 10 1/2"	7' - 2"	0' - 0"	LESS THAN 2'-0" IN LENGTH
Storefront Interior LT 2'-0"	SF05	1' - 0 11/32"	7' - 2"	0' - 0"	LESS THAN 2'-0" IN LENGTH
Storefront Window Serving	SF07	8' - 0"	6' - 0"	3' - 0"	SLIDING WINDOW FOR SERVING
Storefront Window Serving	SF07	6' - 6"	6' - 0"	3' - 0"	SLIDING WINDOW FOR SERVING
Storefront Medical Suite	SF08	5' - 1 1/16"	9' - 0"	0' - 0"	
19					

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214-675-9175
DANIEL@DP-DESIGNS.CO



WINDOW SCHEDULE
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

SHEET NO.
A8.1

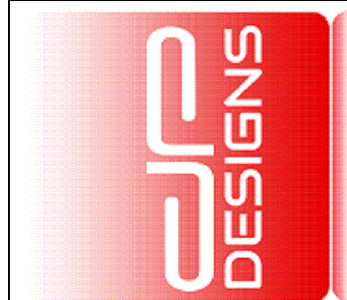
ROOM SCHEDULE

Room Schedule		
Number	Name	Area
B100	CONFERENCE	260 SF
B101	OFFICE	235 SF
B102	OFFICE	271 SF
B103	OFFICE	191 SF
B104	OFFICE	190 SF
B105	OFFICE	191 SF
B106	OFFICE	191 SF
B107	NCSC HALL	751 SF
B107A	CLOSET	43 SF
B108	OFFICE	162 SF
B109	WAITING AREA	108 SF
B110	CORRIDOR	432 SF
BS100	STORAGE	594 SF
BS101	IFC	42 SF
BS102	RR	44 SF
BS103	FIRE RISER ROOM	31 SF
E100	TUTORING ROOM	164 SF
E101	TUTORING ROOM	157 SF
E102	TUTORING ROOM	162 SF
E103	TUTORING ROOM	155 SF
E104	TUTORING ROOM	234 SF
E105	TUTORING ROOM	150 SF
E106	TUTORING ROOM	160 SF
M100	EXAM	129 SF
M101	EXAM	97 SF
M102	DOC/NURSE OFFICE	105 SF
M103	RECEPTION	95 SF
M104	RR	49 SF
M105	RR	48 SF
M106	NURSE / INTAKE	106 SF
M107	DENTAL	239 SF
M108	EXAM	96 SF
M109	COORIDOR	170 SF
P100	VESTIBULE	140 SF
P101	MAIN ENTRANCE	415 SF
P101A	RR	75 SF
P102	FOYER	381 SF
P103	EVENT HALL	1546 SF
P104	CAFETERIA	2422 SF
P105	ENTRANCE	549 SF
P106	CORRIDOR	492 SF
P107	WOMEN'S ROOM	227 SF
P108	MEN'S ROOM	228 SF
P109	KITCHEN	623 SF
P109A	STORAE	67 SF
P109B	WALKIN COOLER / FREEZER	100 SF
P110	GENERAL STORE	250 SF
P111	GENERAL STORE	273 SF
P112	CORRIDOR	268 SF
P113	EXIT	134 SF
		14251 SF

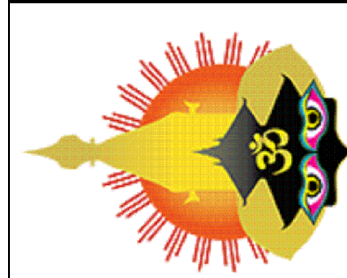
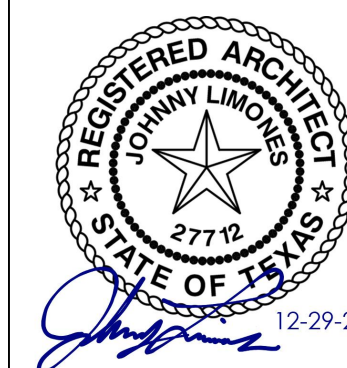
ROOM SCHEDULE BY DEPARTMENT

Room Area by Department													
Room Finish Key	Room Number	Room Type	Department	Unbounded Height	Area	Perimeter	Wall Finish	Base Finish	Ceiling Finish	Floor Finish	Equipment List	Special Requirements	Comments
ADMIN													
(none)	B106	OFFICE	ADMIN	10' - 0"	191	55' - 5 23/32"							
(none)	B107	NCSC HALL	ADMIN	10' - 0"	751	111' - 2 21/32"							
FF01	B107A	CLOSET	ADMIN	10' - 0"	43	26' - 8 3/16"							
3					985								
BUILDING SERVICES													
(none)	BS100	STORAGE	BUILDING SERVICES	10' - 0"	594	102' - 3 5/16"							
(none)	BS101	IFC	BUILDING SERVICES	10' - 0"	42	26' - 1 1/2"							
(none)	BS102	RR	BUILDING SERVICES	10' - 0"	44	27' - 0 5/32"							
(none)	BS103	FIRE RISER ROOM	BUILDING SERVICES	10' - 0"	31	22' - 6 11/16"							
4					711								
BUSINESS													
(none)	B100	CONFERENCE	BUSINESS	10' - 0"	260	68' - 10 15/32"							
(none)	B101	OFFICE	BUSINESS	10' - 0"	235	62' - 11"							
(none)	B102	OFFICE	BUSINESS	10' - 0"	271	68' - 8 11/16"							
(none)	B103	OFFICE	BUSINESS	10' - 0"	191	55' - 5 1/2"							
(none)	B104	OFFICE	BUSINESS	10' - 0"	190	55' - 3 5/8"							
(none)	B105	OFFICE	BUSINESS	10' - 0"	191	55' - 5 1/2"							
(none)	B108	OFFICE	BUSINESS	10' - 0"	162	51' - 3 7/32"							
(none)	B109	WAITING AREA	BUSINESS	10' - 0"	108	41' - 11 3/4"							
(none)	B110	CORRIDOR	BUSINESS	10' - 0"	432	175' - 2 15/32"							
9					2041								
EDUCATION													
(none)	E100	TUTORING ROOM	EDUCATION	10' - 0"	164	51' - 3 5/32"							
(none)	E101	TUTORING ROOM	EDUCATION	10' - 0"	157	50' - 2 5/32"							
(none)	E102	TUTORING ROOM	EDUCATION	10' - 0"	162	51' - 2 17/32"							
(none)	E103	TUTORING ROOM	EDUCATION	10' - 0"	155	50' - 6 7/32"							
(none)	E104	TUTORING ROOM	EDUCATION	10' - 0"	234	66' - 7 13/16"							
(none)	E105	TUTORING ROOM	EDUCATION	10' - 0"	150	48' - 11 7/16"							
(none)	E106	TUTORING ROOM	EDUCATION	10' - 0"	160	50' - 8 1/8"							
7					1182								
GENERAL PUBLIC													
(none)	P100	VESTIBULE	GENERAL PUBLIC	10' - 0"	140	47' - 9 29/32"							
(none)	P101	MAIN ENTRANCE	GENERAL PUBLIC	10' - 0"	415	90' - 6 9/16"							
(none)	P101A	RR	GENERAL PUBLIC	10' - 0"	75	35' - 3 3/32"							
(none)	P102	FOYER	GENERAL PUBLIC	10' - 0"	381	78' - 1 11/32"							
(none)	P103	EVENT HALL	GENERAL PUBLIC	10' - 0"	1546	157' - 4 1/2"							
(none)	P104	CAFETERIA	GENERAL PUBLIC	10' - 0"	2422	215' - 11 1/8"							
(none)	P105	ENTRANCE	GENERAL PUBLIC	10' - 0"	549	108' - 3 13/32"							
(none)	P106	CORRIDOR	GENERAL PUBLIC	10' - 0"	492	223' - 11 15/16"							
(none)	P107	WOMEN'S ROOM	GENERAL PUBLIC	10' - 0"	227	60' - 4 3/8"							
(none)	P108	MEN'S ROOM	GENERAL PUBLIC	10' - 0"	228	60' - 5 23/32"							
(none)	P109	KITCHEN	GENERAL PUBLIC	10' - 0"	623	104' - 10 25/32"							
(none)	P109A	STORAE	GENERAL PUBLIC	10' - 0"	67	33' - 0 19/32"							
(none)	P109B	WALKIN COOLER / FREEZER	GENERAL PUBLIC	10' - 0"	100	40' - 0 13/32"							
(none)	P110	GENERAL STORE	GENERAL PUBLIC	10' - 0"	250	64' - 2 1/32"							
(none)	P111	GENERAL STORE	GENERAL PUBLIC	10' - 0"	273	66' - 9 17/32"							
(none)	P112	CORRIDOR	GENERAL PUBLIC	10' - 0"	268	135' - 10 19/32"							
(none)	P113	EXIT	GENERAL PUBLIC	10' - 0"	134	66' - 9 3/8"							
17					8189								
MEDICAL													
(none)	121B	VC CLOSET	MEDICAL	10' - 0"	10	12' - 6 15/16"							
(none)	M100	EXAM	MEDICAL	10' - 0"	129	46' - 1 1/2"							
(none)	M101	EXAM	MEDICAL	10' - 0"	97	39' - 5 5/8"							
(none)	M102	DOC/NURSE OFFICE	MEDICAL	10' - 0"	105	42' - 3 11/32"							
(none)	M103	RECEPTION	MEDICAL	10' - 0"	95	46' - 6 1/8"							
(none)	M104	RR	MEDICAL	10' - 0"	49	29' - 3 3/4"							
(none)	M105	RR	MEDICAL	10' - 0"	48	29' - 1 25/32"							
(none)	M106	NURSE / INTAKE	MEDICAL	10' - 0"	106	42' - 5 5/8"							
(none)	M107	DENTAL	MEDICAL	10' - 0"	239	70' - 5 29/32"							
(none)	M108	EXAM	MEDICAL	10' - 0"	96	39' - 1 5/16"							
(none)	M109	COORIDOR	MEDICAL	10' - 0"	170	69' - 5 3/4"							
11					1143								
Grand total:					51	14251							

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214-675-9175
DANIEL@DP-DESIGNS.CO



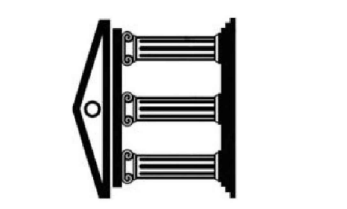
ROOM SCHEDULE
NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TEXAS 76040

DATE	DESCRIPTION	BY

SCALE:
AS NOTED

PROJECT NO.
088-01

SHEET NO.
A8.2



MECHANICAL KEYED NOTES:

- 1 MOUNT UNIT WITH PROPER CLEARANCE OR INSTALL GUARD PER IMC 304.9 REQUIREMENTS.
- 2 DISCHARGE CONDENSATE AS REQUIRED PER IMC 307.2 AND IPC SECTION 314 REQUIREMENTS.
- 3 INSTALL GREASE EXHAUST DUCT AS REQUIRED IN IMC SECTION 506.
- 4 PROVIDE SOLID STATE PROGRAMMABLE T-STAT WITH 7 DAY & SET BACK FUNCTIONS PER IECC 403.2.4 REQUIREMENTS.
- 5 SUPPLY AND RETURN AIR DUCTS TO BE PROPERLY INSULATED AND SEALED PER IECC 403.2.7 REQUIREMENTS.
- 6 4" DOUBLE WALL FLUE UP THRU ROOF WITH FLUE CAP. FLUE VENT SHALL BE INSTALLED PER IMC 802 REQUIREMENTS.
- 7 FULL SIZE SUPPLY AND RETURN AIR DUCT DOWN THRU ROOF.
- 8 14" WELDED SEAM STAINLESS STEEL EXHAUST DUCT UP THRU ROOF TO EXH FAN.
- 9 4" EXHAUST DUCT UP THRU ROOF WITH WEATHER CAP.
- 10 (2) 6" COMBUSTION AIR DUCTS UP THRU ROOF WITH WEATHER CAP. INSTALL COMBUSTION AIR PER IMC SECTION 703, 708, 709 AND 710 REQUIREMENTS.
- 11 FULL SIZE MAKE UP AIR DUCT DOWN THRU ROOF.
- 12 12X12 EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN.
- 13 UNDERCUT DOOR 1.5" FOR RETURN AIR.
- 14 MOUNT UNIT OVER EXISTING STRUCTURAL STEEL ORDER. REFER TO STRUCTURAL PLANS FOR ADDITION SUPPORT REQUIREMENTS.



Project Information

Energy Code:	2015 IECC
Project Title:	Euleless, Texas
Location:	3a
Climate Zone:	New Construction
Project Type:	

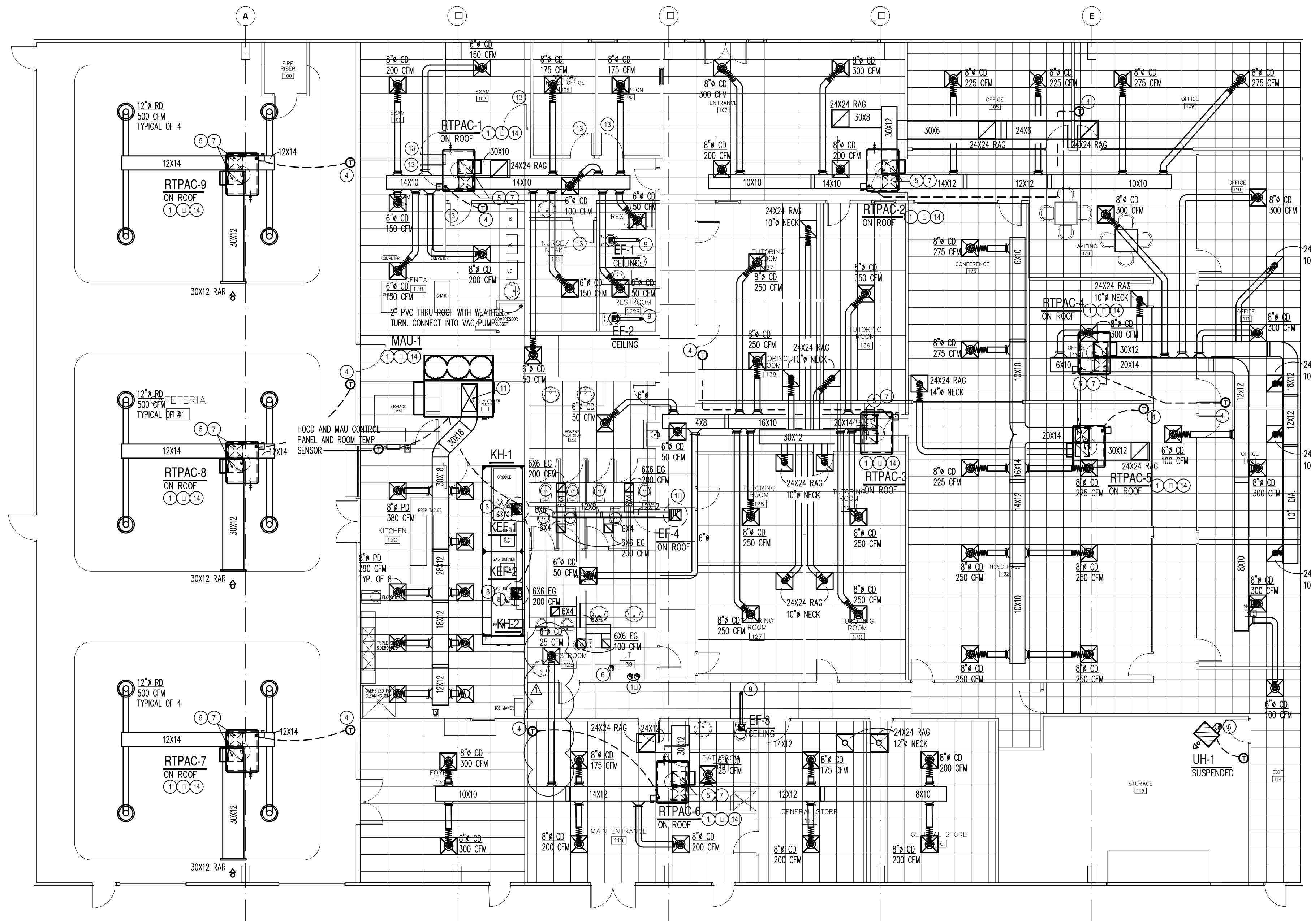
Construction Site: NAPALI MANDIR COMMUNITY CENTER, EULESS, TX
Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Unspecified

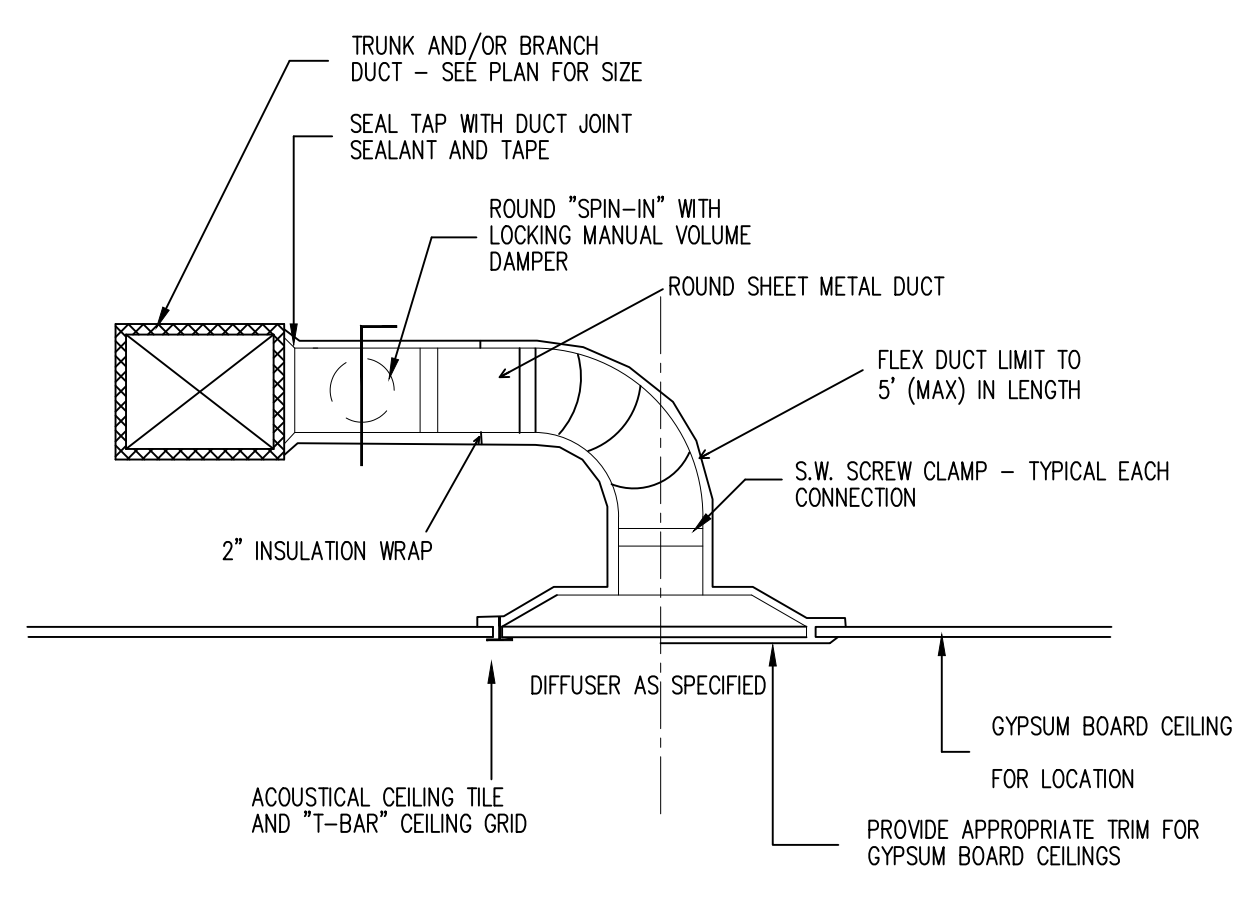
Mechanical Systems List

Quantity	System Type & Description
1	HVAC System 1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 75 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency: 80.00% E1 or 78% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: None
8	HVAC System 2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 96 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency: 80.00% E1 or 78% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: None
1	HVAC System 3 (Single Zone): Heating: 1 each - Unit Heater, Gas, Capacity = 30 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency: 80.00% E1 Fan System: None

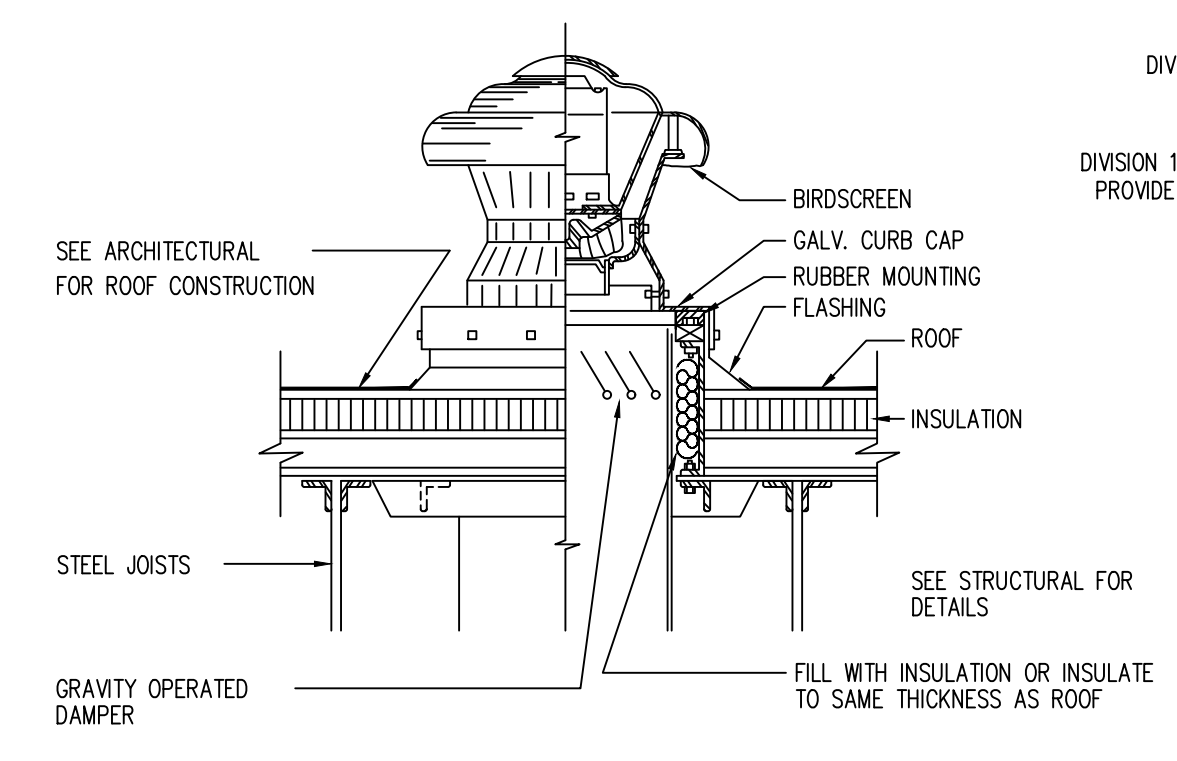
Mechanical Compliance Statement
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
IRVIN ROHRER PROJECT MANAGER
Signature: *I. Rohrer* Date: 7/10/20



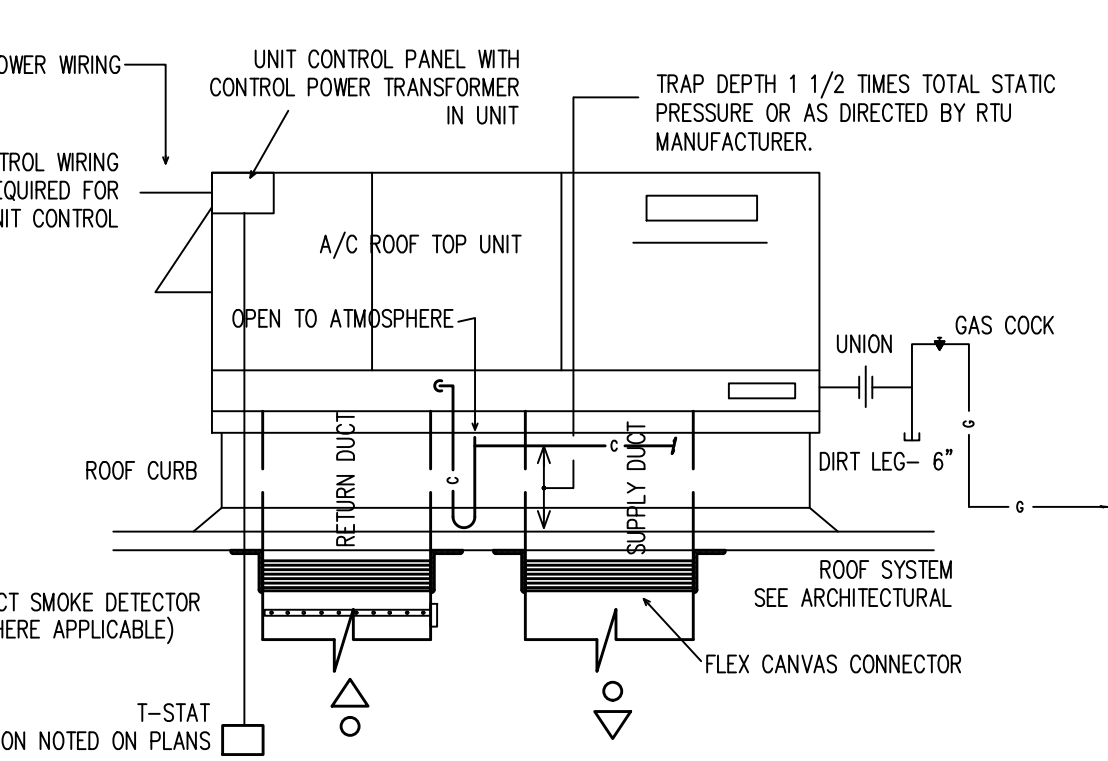
1 MECHANICAL PLAN
M1 SCALE: 1/8"=1'-0"



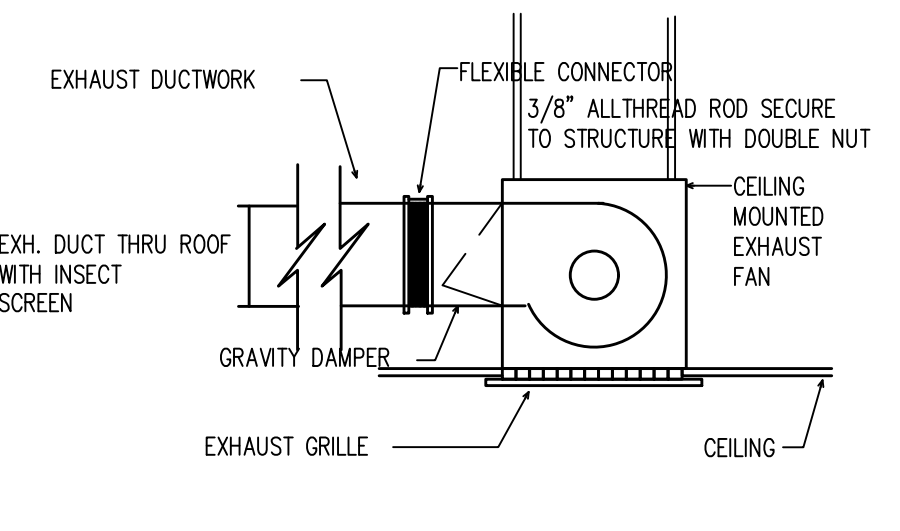
DUCT - DIFFUSER CONNECTION DETAIL
NO SCALE



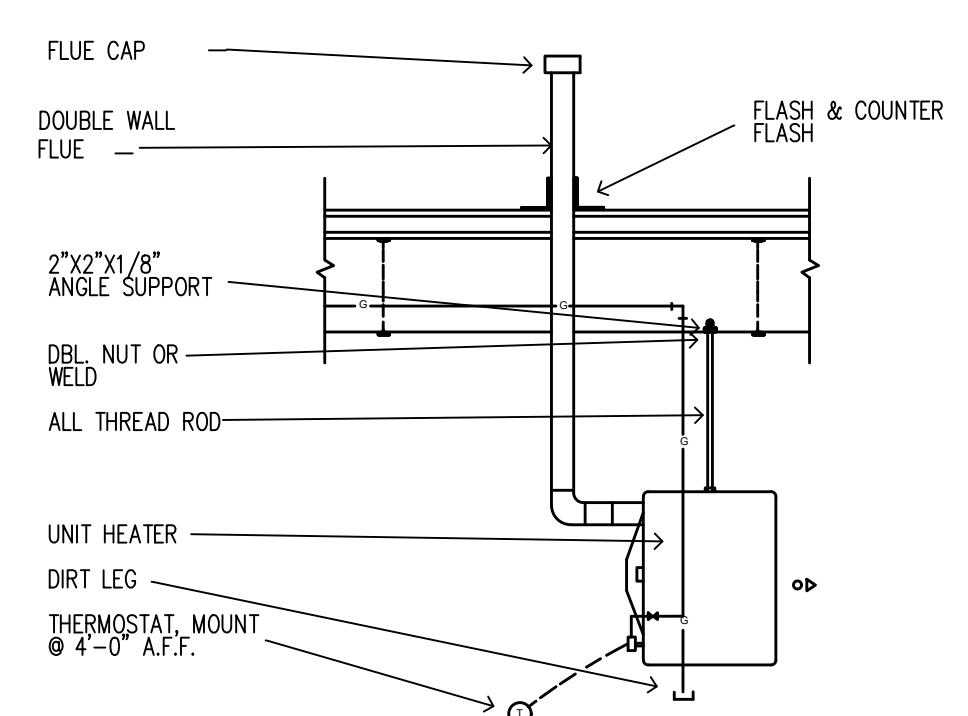
ROOF MOUNT EXHAUST CAN DETAIL
SCALE: NONE



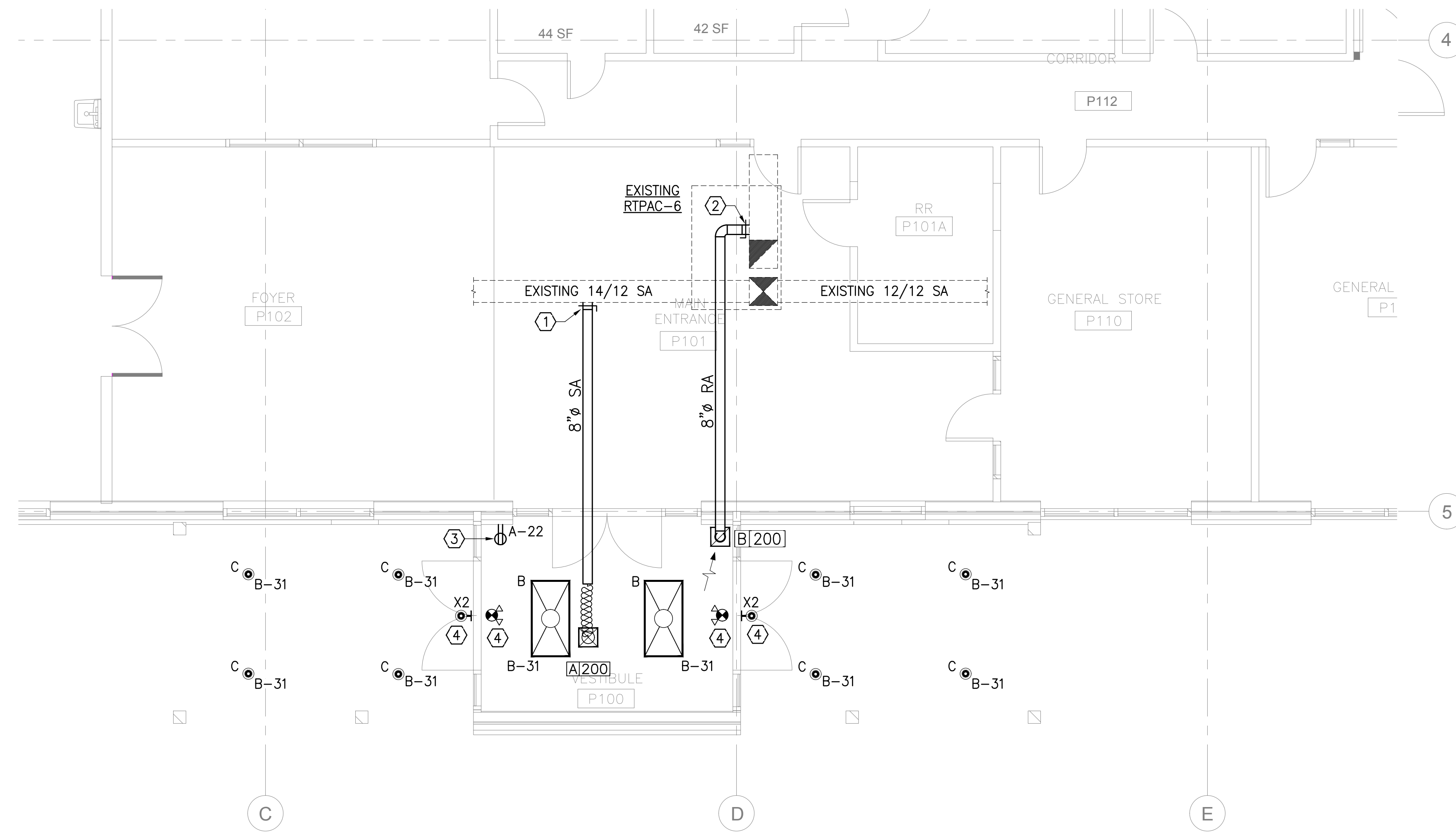
PACKAGE ROOFTOP AC UNIT DETAIL
SCALE: NONE



CEILING MOUNT EXHAUST CAN DETAIL
SCALE: NONE



UNIT HEATER DETAIL
NO SCALE



NEW VESTIBULE FLOOR PLAN - HVAC/LIGHTING
 SCALE: 1/4" = 1'-0"

DIFFUSER, REGISTER AND GRILLE SCHEDULE						
MARK	CFM RANGE	SERVES	TYPE	NECK SIZE INCHES	MANUFACTURER AND MODEL NO.	REMARKS
A	0-150	SUPPLY	12"x12" LAY-IN	6"	TITUS # TMS-AA	①②③④
B	0-600	RETURN	12"x12" SNGL DEFLECTION	8"	TITUS # 355 FL	①②③④

① UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING TYPES AND CONDITIONS.
 ② STANDARD OFF-WHITE BAKED ENAMEL FINISH.
 ③ SOUND VALUES SHALL NOT EXCEED 30 NC (ROOM), UNLESS OTHERWISE NOTED.
 ④ ALL ALUMINUM CONSTRUCTION
 ⑤ PROVIDE OPTIONAL AIR SCOOP DAMPER WITH THIS GRILLE
 ⑥ PROVIDE PAINT-READY PRIMER ON THIS GRILLE. GRILLE COLOR TO MATCH SURROUNDING WALL.
 U.N.O. - UNLESS NOTED OTHERWISE

LIGHT FIXTURE SCHEDULE										
MARK	DESCRIPTION	FIX. QTY	LAMPS				WATTS PER FIXTURE	PROPOSED MOUNTING HEIGHT (FT)	MANUFACTURER & MODEL	NOTES
			TYPE	VOLT	COLOR	LUMENS				
B	2x4 LED LAY-IN TROFFER	2	LED	MULTI	4000K	6,838	49	LAY-IN CEILING HEIGHT	LITHONIA: 2BLT460LADSMEZ1LP840MDPDT7ADCX	1,2
C	6" EXTERIOR RECESSED CAN	8	LED	MULTI	4000K	840	11	LAY-IN CEILING HEIGHT	LITHONIA: WF6E LED 40K 90CRI	2,3
X2	WALL-MOUNTED SECURITY/EGRESS	2	LED	MULTI	4000K	1,454	11	8'-0"	LITHONIA: ARC1 LED P1 40K	2,3,5
	SURFACE EXIT LIGHT WITH COMBINATION EGRESS LIGHT	2	LED	120	-	-	5	CEILING/WALL SURFACE	LITHONIA LHQM LED R, WHITE WITH RED LETTERS, STANDARD BATTERY PACK.	5

SCHEDULE NOTES:
 1. CONSTANT 0 - 10VDC DIMMING DOWN TO 1%
 2. FINAL FIXTURE COLOR AND/OR TEXTURE TO BE SELECTED BY ARCHITECT
 3. PROVIDE FIXTURE SUITABLE FOR WET LOCATIONS
 4. PROVIDE ADJUSTABLE EXTENSION CABLE/STEM AS REQUIRED TO ACHIEVE LISTED HEIGHT TO BOTTOM OF FIXTURE
 5. PROVIDE BATTERY BACKUP PACK CAPABLE OF 90 MINUTES OF EMERGENCY EGRESS/POINT-OF-REFUGE ILLUMINATION
 6. PROVIDE FIXTURE WITH INTEGRAL PHOTO-SENSING, AUTO-DIMMING DAYLIGHTING CONTROLS.

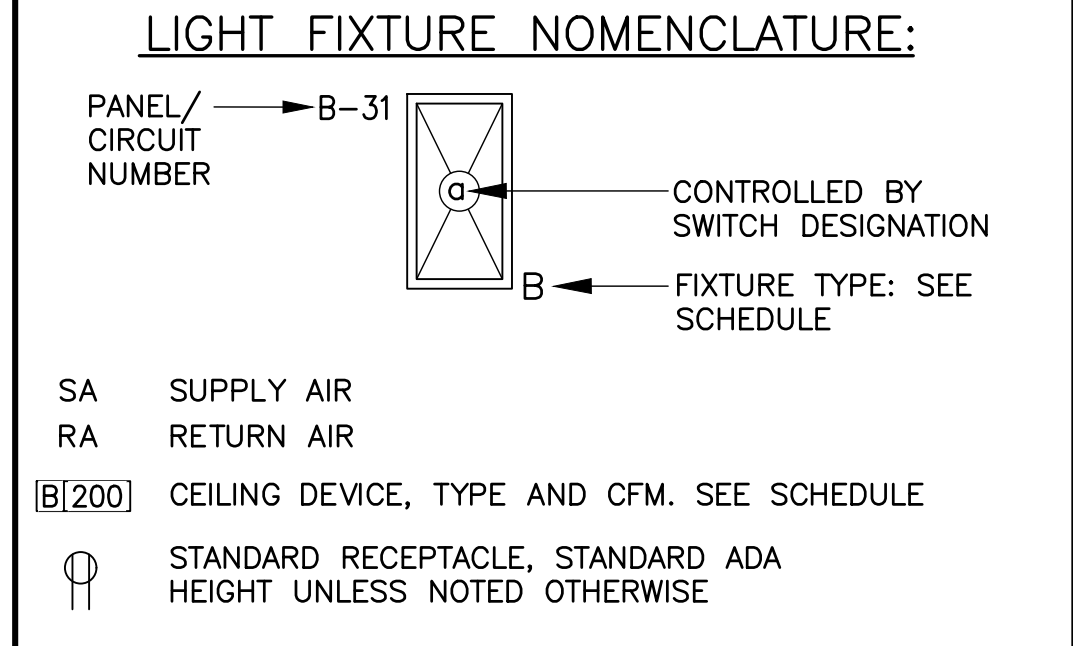
GENERAL NOTES

1. FIELD VERIFY ARCHITECTURAL AND STRUCTURAL BUILDING CONDITIONS PRIOR TO DUCT AND EQUIPMENT FABRICATION. COORDINATE FOR CORRECT INSTALLATION.
2. PERFORM ALL WORK IN ACCORDANCE WITH CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES.
3. ALL DUCT SIZES SHOWN ON THE DRAWINGS ARE NET INSIDE CLEAR DIMENSIONS.
4. PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO DIFFUSERS & GRILLES, FOR BALANCING PURPOSES. **NO EXCEPTIONS!**
5. ALL DUCTWORK CONSTRUCTION AND INSTALLATION SHALL CONFORM TO SMACNA AND ASHRAE RECOMMENDATIONS.
6. ALL SUPPLY AIR DUCTWORK SHALL BE INSULATED, UNLESS OTHERWISE INDICATED.
7. COORDINATE ALL CEILING DIFFUSER/GRILLE LOCATIONS WITH LIGHTS, SPRINKLER HEADS AND OTHER CEILING DEVICES.
8. CONTRACTOR SHALL SEAL ALL WALL PENETRATIONS AIR & WATER TIGHT.
9. IN ACCORDANCE WITH THE 2015 I.E.C.C, ALL SUPPLY DUCTWORK SHALL BE PROVIDED WITH DUCT WRAP OR DUCT LINER WITH A MINIMUM INSULATING VALUE OF R-8. ALL RETURN DUCTWORK SHALL BE PROVIDED WITH DUCT WRAP OR DUCT LINER WITH A MINIMUM INSULATING VALUE OF R-6.
10. MINIMUM CONDUCTOR SIZE: ALL CIRCUIT HOMERUNS AND ALL CONDUIT AND WIRE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
11. MINIMUM CONDUIT SIZE SHALL BE 1/2" DIAMETER.
12. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
13. WHERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX INCHES.
14. ALL SWITCHES AND RECEPTACLES SHALL BE COMMERCIAL GRADE AND SHALL BE WHITE WITH WHITE PLASTIC COVER PLATES UNLESS INDICATED OTHERWISE.
15. PROVIDE THE TYPE OF MOUNTING HARDWARE AND TRIM NECESSARY FOR THE PROPER INSTALLATION OF SPECIFIED LIGHTING FIXTURES IN THE TYPE OF CEILING WHERE INSTALLED.
16. ALL EXTERIOR LIGHTING FOR THIS PROJECT SHALL BE CONTROLLED ON/OFF BY PHOTOCELL.
17. WIRING CONSISTS OF SWITCH LEG AND NEUTRAL UNLESS INDICATED OTHERWISE.

NOTES BY SYMBOL

1. CONNECT NEW 8" SUPPLY DUCT TO EXISTING 14/12 SUPPLY DUCT AS SHOWN. MODIFY/ADJUST EXISTING ROOF-MOUNTED A/C UNIT RTPAC-6 SUPPLY FAN TO ACCOMMODATE ADDITIONAL CAPACITY.
2. CONNECT NEW 8" RETURN DUCT TO EXISTING RA DUCT WITH MANUAL BALANCE DAMPER. BALANCE RETURN AIR FLOW TO 200 CFM.
3. CONNECT NEW STANDARD HEIGHT RECEPTACLE TO EXISTING, ADJACENT RECEPTACLE CIRCUIT SHOWN.
4. CONNECT THIS EMERGENCY EGRESS LIGHT FIXTURE TO AN ADJACENT, NON-SWITCHED EMERGENCY LIGHTING CIRCUIT.

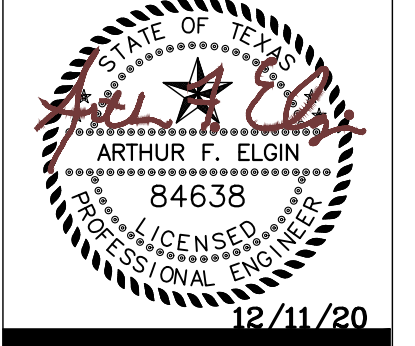
LEGEND



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DESIGNS & DEVELOPMENT, LLC

214-675-9175
 DANIEL@DP-DESIGNS.CO
 816 APRIL SOUND CT, SUITE 200
 FT. WORTH, TX 76120
 PHONE: (817) 919-4874
 www.dp-designs.com



FLOOR PLAN - HVAC/LIGHTING

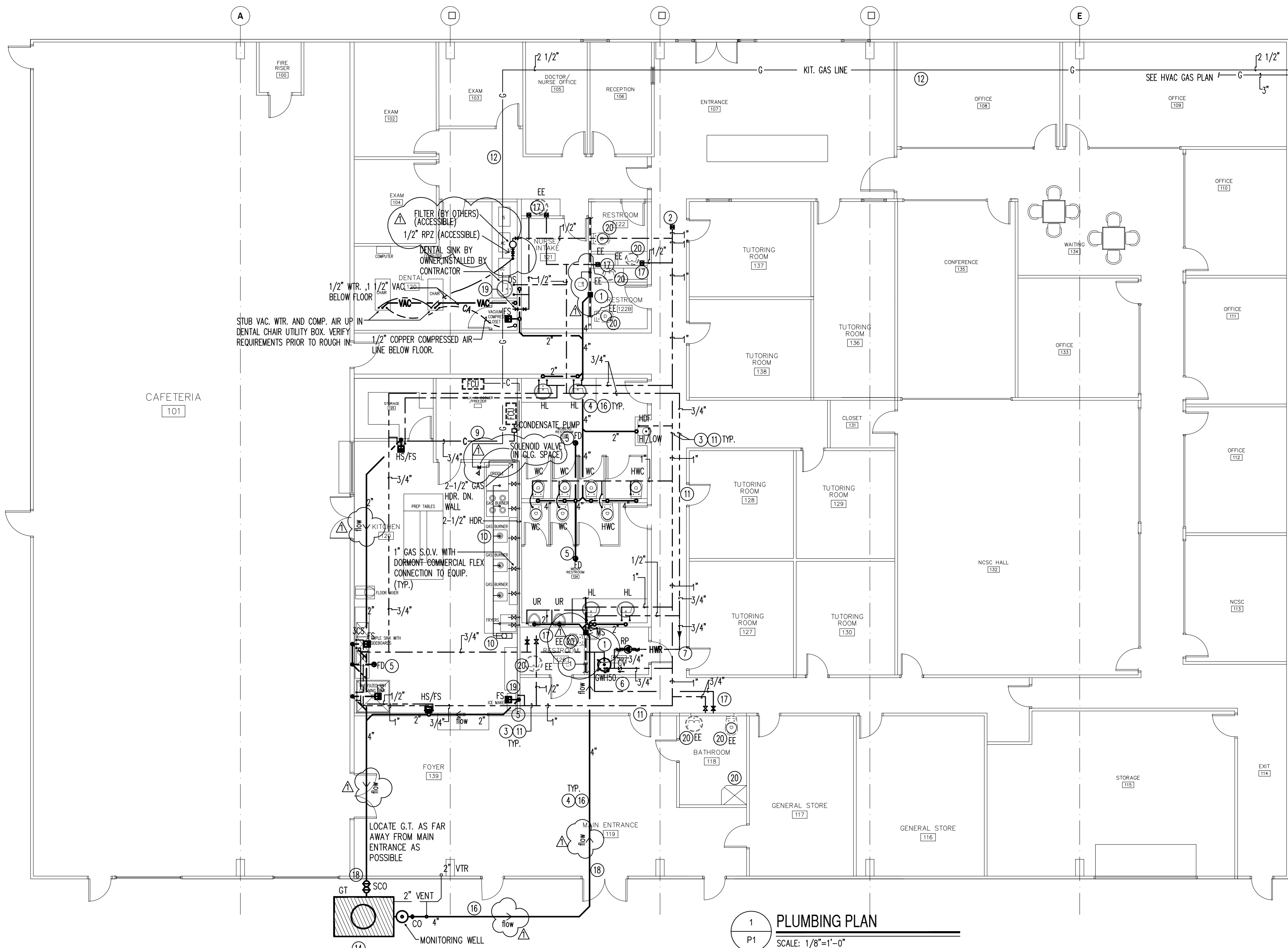
NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TEXAS 76040

DATE	DESCRIPTION	BY
12/11/20	IFP	AFE

SCALE:
AS NOTED

PROJECT NO.
88-01

SHEET NO.
ME-2.1



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

PLUMBING KEYED NOTES:

1. CONNECT INTO EXISTING MAIN SEWER LINE IN AREA. FIELD VERIFY EXACT LOCATION.
2. CONNECT INTO EXISTING MAIN WATER LINE IN AREA. FIELD VERIFY EXACT LOCATION.
3. DOMESTIC WATER SERVICE PIPE SHALL BE INSTALLED PER IPC 604.8, SECTION 605,606,607 AND 608 REQUIREMENTS.
4. BUILDING SEWER SHALL CONFORM TO IPC CHAPTER 7.
5. INSTALL TRAP GUARDS IN ALL FLOOR DRAIN AND FLOOR SINKS.
6. WATER HEATER DISCHARGE SHALL CONFORM WITH IPC 504.6.1.
7. HOT WATER RETURN PIPE SHALL BE INSULATED WITH 1" INSULATION PER IECC 404.5
8. WATER FLOW RATES SHALL CONFORM WITH TABLE 604.4 IPC FOR PLUMBING FIXTURES. PROVIDE FLOW RESTRICTORS AS REQUIRED.
9. DISCHARGE CONDENSATE AS REQUIRED PER IMC 307.2 AND IPC SECTION 314 REQUIREMENTS.
10. PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM FOR COMMERCIAL COOKING EQUIPMENT PER IBC 904.11 AND NFPA 96.
11. INSTALL PROPER PIPE SUPPORT PER IPC SECTION 308.
12. GAS PIPE RUN IN JOIST SPACE SECURED TO PREFAB PIPE SUPPORTS AT 10' ON CENTER AND AT ALL ELBOWS. PROVIDE EXPANSION OFFSETS AS REQUIRED.
13. DISCHARGE CONDENSATE INTO MOP SINK.
14. INSTALL INTERCEPTOR AND SEPARATOR PER IPC SECTION 1003.
15. GAS METER (BY SERVING GAS CO) PLUMBING CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH GAS CO. INCLUDING SERVICE APPLICATIONS AND FORMS.
16. PROVIDE PROPER TRENCHING, EXCAVATION AND BACKFILL PER IPC SECTION 306.
17. CONNECT INTO EXISTING HOT AND COLD WATER LINES SERVING EXISTING PLUMBING FIXTURES TO REMAIN.
18. PROVIDE PIPE PROTECTION PER IPC SECTION 305.
19. PROVIDE BACKFLOW DEVICE CONNECTION PER IPC 608 REQUIREMENTS.
20. EXISTING PLUMBING FIXTURE TO REMAIN. CLEAN AND REPAIR AS REQUIRED FOR PROPER OPERATION.
21. APPROXIMATE LOCATION OF EXISTING 4" SEWER LINE. FIELD VERIFY EXACT LOCATION AND EXISTING INVERT PRIOR TO ROUGH IN CONNECTION OF NEW PLUMBING. NOTIFY ARCHITECT IF DISCREPANCIES EXIST WITH EXISTING INVERTS OR CONDITION OF EXISTING PIPING.

DENTAL EQUIPMENT NOTES:

1. FINAL DENTAL CHAIR CONNECTIONS, LOCATIONS AND REQUIREMENTS TO BE FIELD COORDINATED WITH DENTAL EQUIPMENT SUPPLIER.
2. FIELD COORDINATE EXACT VACUUM LINE LOCATION AND CONNECTION TO DENTAL CHAIRS PRIOR TO SAW CUTTING CONCRETE SLAB. DENTAL EQUIPMENT CONTRACTOR TO PROVIDE TEMPLATE FOR DENTAL CHAIRS INDICATING EXACT LOCATIONS AND QUANTITIES OF UTILITY CONNECTIONS. DO NOT BEGIN INSTALLATION WORK UNTIL TEMPLATE HAS BEEN PROVIDED AND FIELD VERIFIED FOR ACCURACY.
3. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED ACCESSORIES FOR DENTAL CHAIRS, TO MAKE THEM FULLY FUNCTIONAL. THIS MAY REQUIRE NEW ISOLATION VALVES, FLEXIBLE HOSES, UNIONS, ETC. FIELD COORDINATE WITH DENTAL EQUIPMENT SUPPLIER.
4. VERIFY REQUIREMENTS FOR ANY PLUMBING CONNECTIONS TO DENTAL EQUIPMENT WITH OWNER AND DENTAL EQUIPMENT SUPPLIER. DO NOT PLACE PLUMBING SUPPLY OR VENT LINES WHERE RECESSED TOWEL AND TISSUE DISPENSERS ARE TO BE LOCATED.

2015 IPC TABLE 1003.3.4.1 CAPACITY OF GREASE INTERCEPTORS

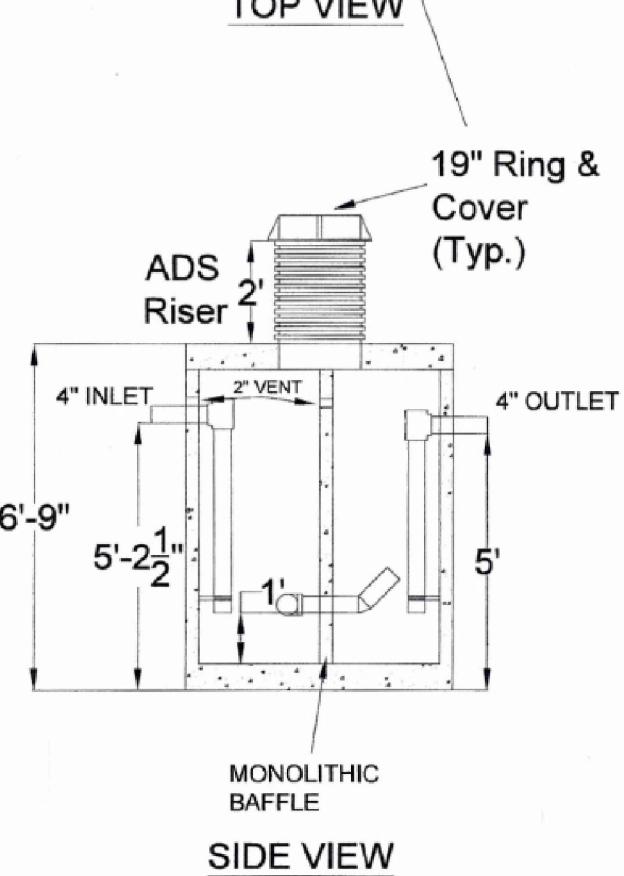
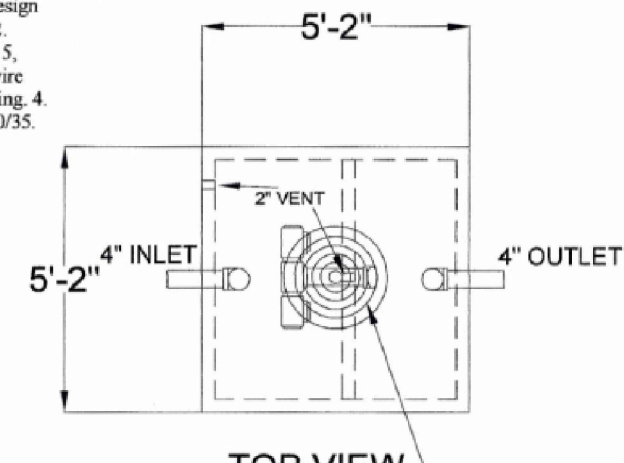
2015 IPC TABLE 709.1 DRAINAGE FIXTURE UNITS		
1. HAND SINKS	2 DFU x 2	= 4 DFU
2. FLOOR SINK	2 DFU	= 2 DFU
3. FLOOR DRAIN	2 DFU	= 2 DFU
TOTAL DFU = 8		
1 DFU = 7.5 GPM	= 60 GPM	= 60 GPM

NO KITCHEN DISHWASHER MACHINE

4. KITCHEN 3 COMP. SINK	20X20X14 = 5,600 X 3	= 16,800 CI
5. KITCHEN POT SINK	30X30X24 = 21,600	= 21,600 CI
TOTAL CI = 38,400 CI		
1 GALLON = 231 CU		
38,400/231 = 166 GALLONS		= 166 GPM
TOTAL GPM = 226 GPM		

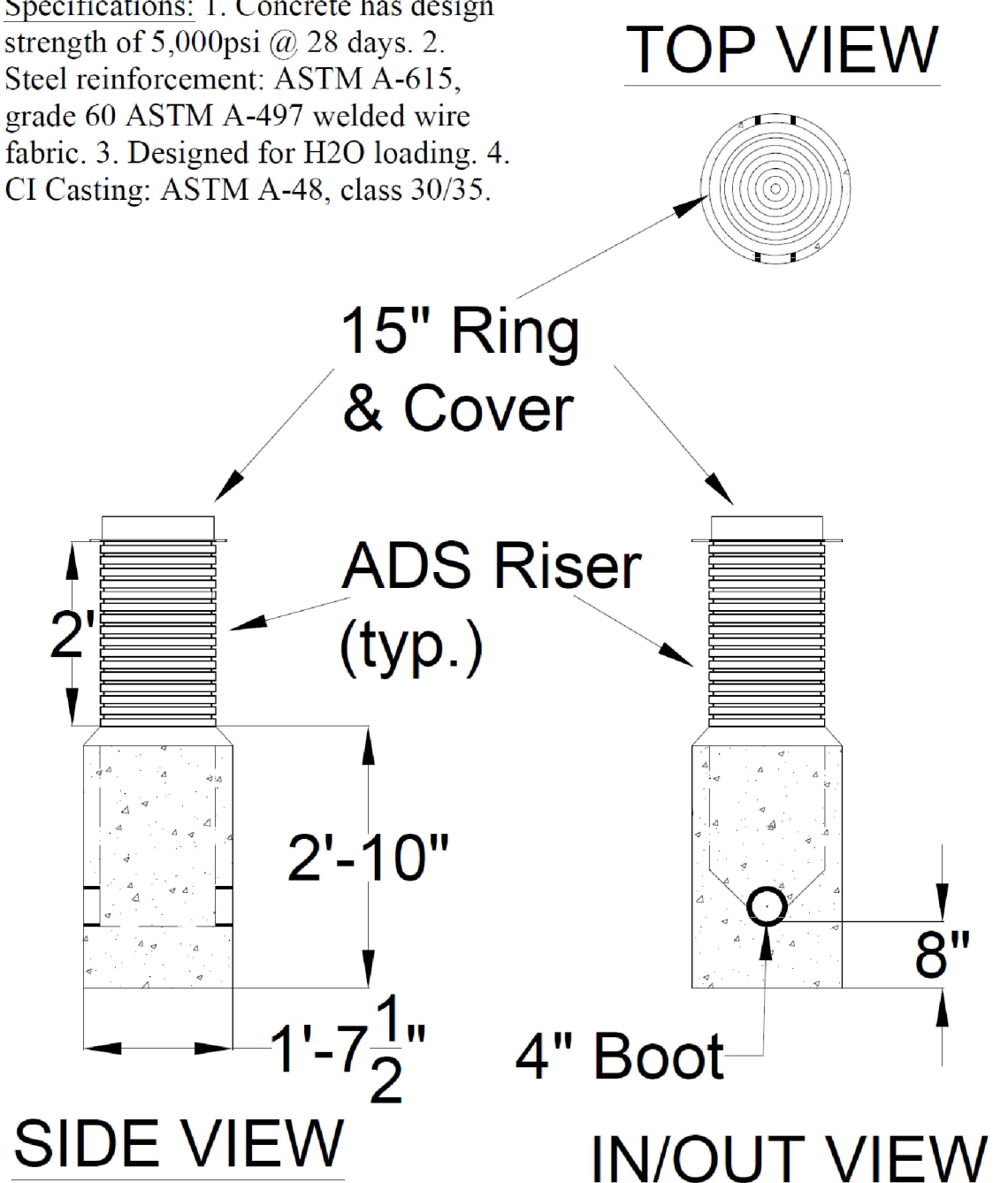
500 GALLON PRECAST CONCRETE INTERCEPTOR HAS A 250 GPM FLOW RATE 500 LB GREASE CAPACITY

Specifications: 1. Concrete has design strength of 5,000psi @ 28 days. 2. Steel reinforcement: ASTM A-615, grade 60 ASTM A-497 welded wire fabric. 3. Designed for H2O loading. 4. CI Casting: ASTM A-48, class 30/35.



3 GREASE TRAP SHOP DWG.
SCALE: NONE BASIS OF DESIGN

Specifications: 1. Concrete has design strength of 5,000psi @ 28 days. 2. Steel reinforcement: ASTM A-615, grade 60 ASTM A-497 welded wire fabric. 3. Designed for H2O loading. 4. CI Casting: ASTM A-48, class 30/35.



MONITORING WELL DETAIL
SCALE: NONE BASIS OF DESIGN

HVAC & WTR HTR. GAS LINE GAS DEMAND CALCULATIONS		
EQUIPMENT		DEMAND
PACKAGE A/C UNIT X 9 UNITS	@ 96,000 BTUH EACH	= 864,000 BTUH
M.A.U. X 1 UNIT	@ 272,000 BTUH EACH	= 272,000 BTUH
UNIT HTR. X 1 UNIT	@ 30,000 BTUH EACH	= 30,000 BTUH
WTR HTR. X 1 UNIT	@ 175,000 BTUH EACH	= 175,000 BTUH
TOTAL DEMAND		= 1,341,000 BTUH

1,341,000 BTUH DIVIDED BY 1000 BTUH/CU. FT. = 1,341 CFH. TOTAL DEVELOPED PIPING LENGTH FOR METER EQUALS 225'. BASED ON TABLE 402.4(2) OF THE 2015 EDITION OF THE INTERNATIONAL FUEL GAS CODE, A (3") GAS LINE WILL CARRY 1,341 CFH OVER 225'. REMAINING BRANCH LINES WILL BE SIZED ACCORDING TO THE TOTAL DEVELOPED LENGTH, AND BASED ON TABLE 402.4(2).

SCHEDULE 40 METALLIC PIPE
GAS: NATURAL, --- INLET PRESSURE: LESS THAN 2 PSI, --- PRESSURE DROP: 0.5 IN. W.E., --- SPECIFIC GRAVITY 0.60

NOTES:

1. ALL INTERMEDIATE PRESSURE GAS PIPING TO BE WELDED.
2. ALL GAS FIRED EQUIPMENT / COMPONENTS SHALL BE PROVIDED WITH A DIRTLEG, GAS COCK AND UNION ON LOW PRESSURE GAS LINE.

KITCHEN GAS LINE GAS DEMAND CALCULATIONS		
EQUIPMENT		DEMAND
FRYERS X 2 UNITS	@ 150,000 BTUH EACH	= 300,000 BTUH
RANGE/OVEN X 4 UNITS	@ 102,000 BTUH EACH	= 408,000 BTUH
GRIDDLE X 1 UNIT	@ 150,000 BTUH EACH	= 105,000 BTUH
TOTAL DEMAND		= 858,000 BTUH

858,000 BTUH DIVIDED BY 1000 BTUH/CU. FT. = 858 CFH. TOTAL DEVELOPED PIPING LENGTH FOR METER EQUALS 200'. BASED ON TABLE 402.4(2) OF THE 2015 EDITION OF THE INTERNATIONAL FUEL GAS CODE, A (2 1/2") GAS LINE WILL CARRY 858 CFH OVER 200'. REMAINING BRANCH LINES WILL BE SIZED ACCORDING TO THE TOTAL DEVELOPED LENGTH, AND BASED ON TABLE 402.4(2).

SCHEDULE 40 METALLIC PIPE
GAS: NATURAL, --- INLET PRESSURE: LESS THAN 2 PSI, --- PRESSURE DROP: 0.5 IN. W.E., --- SPECIFIC GRAVITY 0.60

NOTES:

1. ALL INTERMEDIATE PRESSURE GAS PIPING TO BE WELDED.
2. ALL GAS FIRED EQUIPMENT / COMPONENTS SHALL BE PROVIDED WITH A DIRTLEG, GAS COCK AND UNION ON LOW PRESSURE GAS LINE.

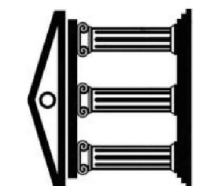


ARTEC INTEGRATED LLC 8018
7700 WINDROSE AVE
SUITE G300
PLANO, TEXAS 75024
TBE ARCHITECTURE BR-1707
arte.solutions
972.802.4507

PROJECT
**NEPALI
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COMMUNITY
CENTER**

1212 ROYAL
PARKWAY
EULESS TEXAS,
76040
DATE: PROJECT NO.
DATE: PROJECT NO.
REVISION
7/10/20 EULESS PLAN
CHECK COMMENTS

Imperium Engineering Inc.
304 Park Meadows
915 202 9820
Firm # 20599
Euless, Texas 76039
817 201 6401
DFW • EP

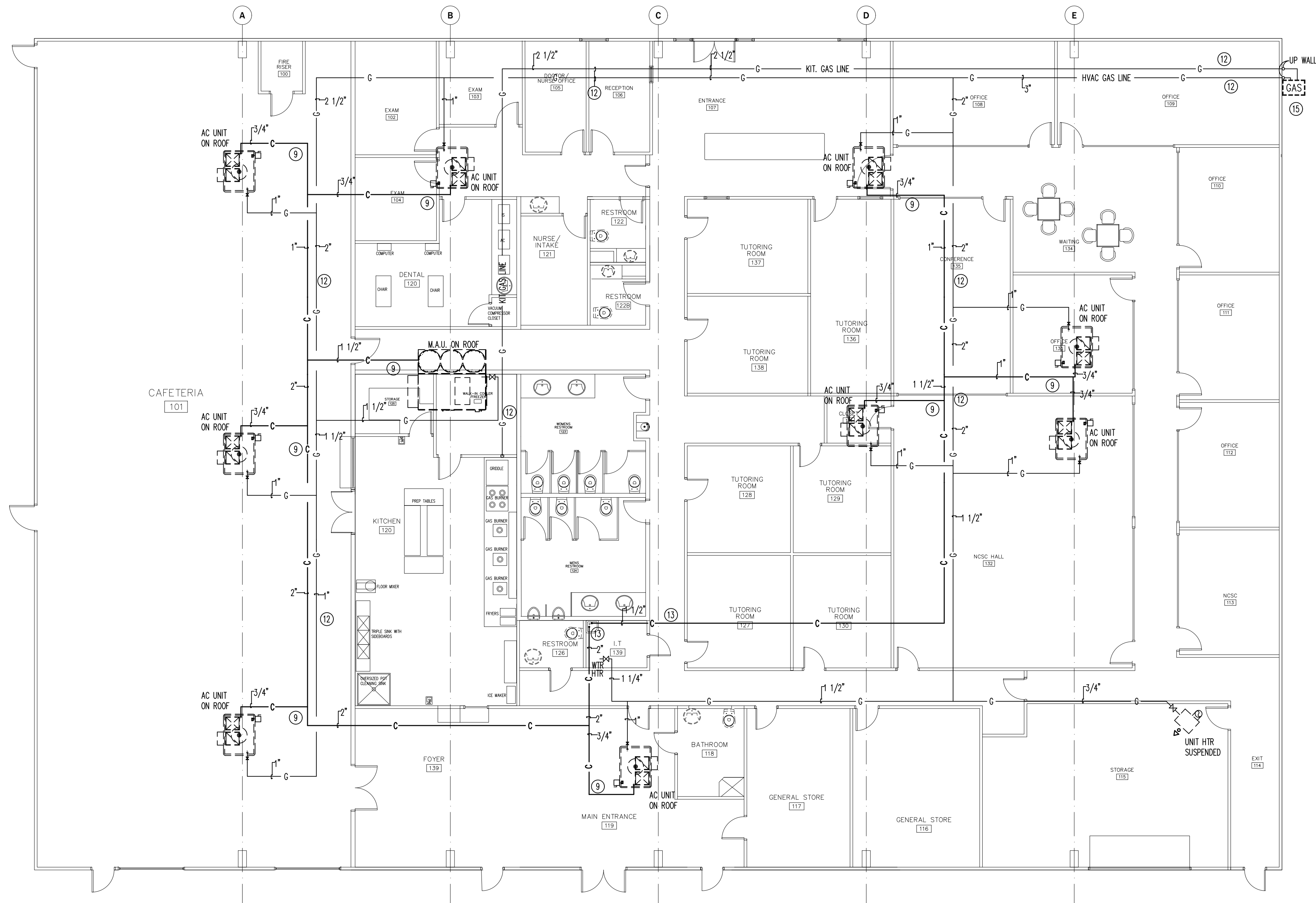


PLUMBING PLAN

SCALE: AS SHOWN

P1

DRAWN BY:



1 HVAC EQUIPMENT PLUMBING PLAN
 P2 SCALE: 1/8"=1'-0"

PLUMBING KEYED NOTES:

- 1 CONNECT INTO EXISTING MAIN SEWER LINE IN AREA. FIELD VERIFY EXACT LOCATION.
- 2 CONNECT INTO EXISTING MAIN WATER LINE IN AREA. FIELD VERIFY EXACT LOCATION.
- 3 DOMESTIC WATER SERVICE PIPE SHALL BE INSTALLED PER IPC 604.8, SECTION 605,606,607 AND 608 REQUIREMENTS.
- 4 BUILDING SEWER SHALL CONFORM TO IPC CHAPTER 7.
- 5 INSTALL TRAP GUARDS IN ALL FLOOR DRAIN AND FLOOR SINKS.
- 6 WATER HEATER DISCHARGE SHALL CONFORM WITH IPC 504.6.1.
- 7 HOT WATER RETURN PIPE SHALL BE INSULATED WITH 1" INSULATION PER IECC 404.5
- 8 WATER FLOW RATES SHALL CONFORM WITH TABLE 604.4 IPC FOR PLUMBING FIXTURES. PROVIDE FLOW RESTRICTORS AS REQUIRED.
- 9 DISCHARGE CONDENSATE AS REQUIRED PER IMC 307.2 AND IPC SECTION 314 REQUIREMENTS.
- 10 PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM FOR COMMERCIAL COOKING EQUIPMENT PER IBC 904.11 AND NFPA 96.
- 11 INSTALL PROPER PIPE SUPPORT PER IPC SECTION 308.
- 12 GAS PIPE RUN IN JOIST SPACE SECURED TO PREFAB PIPE SUPPORTS AT 10' ON CENTER AND AT ALL ELBOWS. PROVIDE EXPANSION OFFSETS AS REQUIRED.
- 13 DISCHARGE CONDENSATE INTO MOP SINK.
- 14 INSTALL INTERCEPTOR AND SEPARATOR PER IPC SECTION 1003.
- 15 GAS METER (BY SERVING GAS CO) PLUMBING CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH GAS CO. INCLUDING SERVICE APPLICATIONS AND FORMS.
- 16 PROVIDE PROPER TRENCHING, EXCAVATION AND BACKFILL PER IPC SECTION 306.
- 17 CONNECT INTO EXISTING HOT AND COLD WATER LINES SERVING EXISTING PLUMBING FIXTURES TO REMAIN.
- 18 PROVIDE PIPE PROTECTION PER IPC SECTION 305.
- 19 PROVIDE BACKFLOW DEVICE CONNECTION PER IPC 608 REQUIREMENTS.
- 20 EXISTING PLUMBING FIXTURE TO REMAIN. CLEAN AND REPAIR AS REQUIRED FOR PROPER OPERATION.
- 21 APPROXIMATE LOCATION OF EXISTING 4" SEWER LINE. FIELD VERIFY EXACT LOCATION AND EXISTING INVERT PRIOR TO ROUGH IN CONNECTION OF NEW PLUMBING. NOTIFY ARCHITECT IF DISCREPANCIES EXIST WITH EXISTING INVERTS OR CONDITION OF EXISTING PIPING.

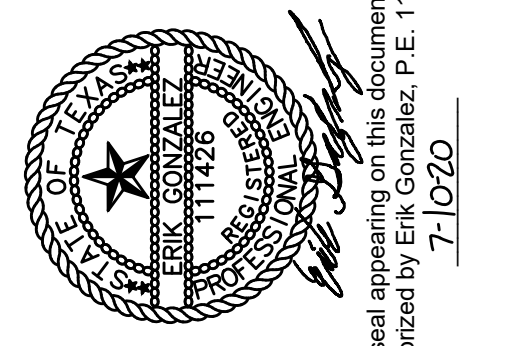
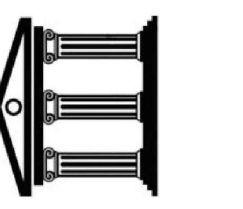


ARTEC INTEGRATED LLC 8018
 7700 WINDROSE AVE
 SUITE 0300
 PLANO, TEXAS 75024
 TBE ENGINEERING FIRM
 TBE ARCHITECTURE BR-1707
 artec.solutions
 972.802.4507

PROJECT
 NEPALI
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 COMMUNITY
 CENTER

1212 ROYAL
 PARKWAY
 EULESS TEXAS,
 76040
 DATE: DATE
 PROJECT NO. NO.
 NO. DATE
 REVISION
 7/10/20 EULESS PLAN
 CHECK COMMENTS

Imperium Engineering Inc.
 304 Park Meadows
 Euless, Texas 76039
 915.202.8520
 817.201.6401
 File # 20099
 DFW - EP



The seal appearing on this document was authorized by Erik Gonzalez, P.E., 11/4/20, on 7/10/20

HVAC PLUMBING PLAN

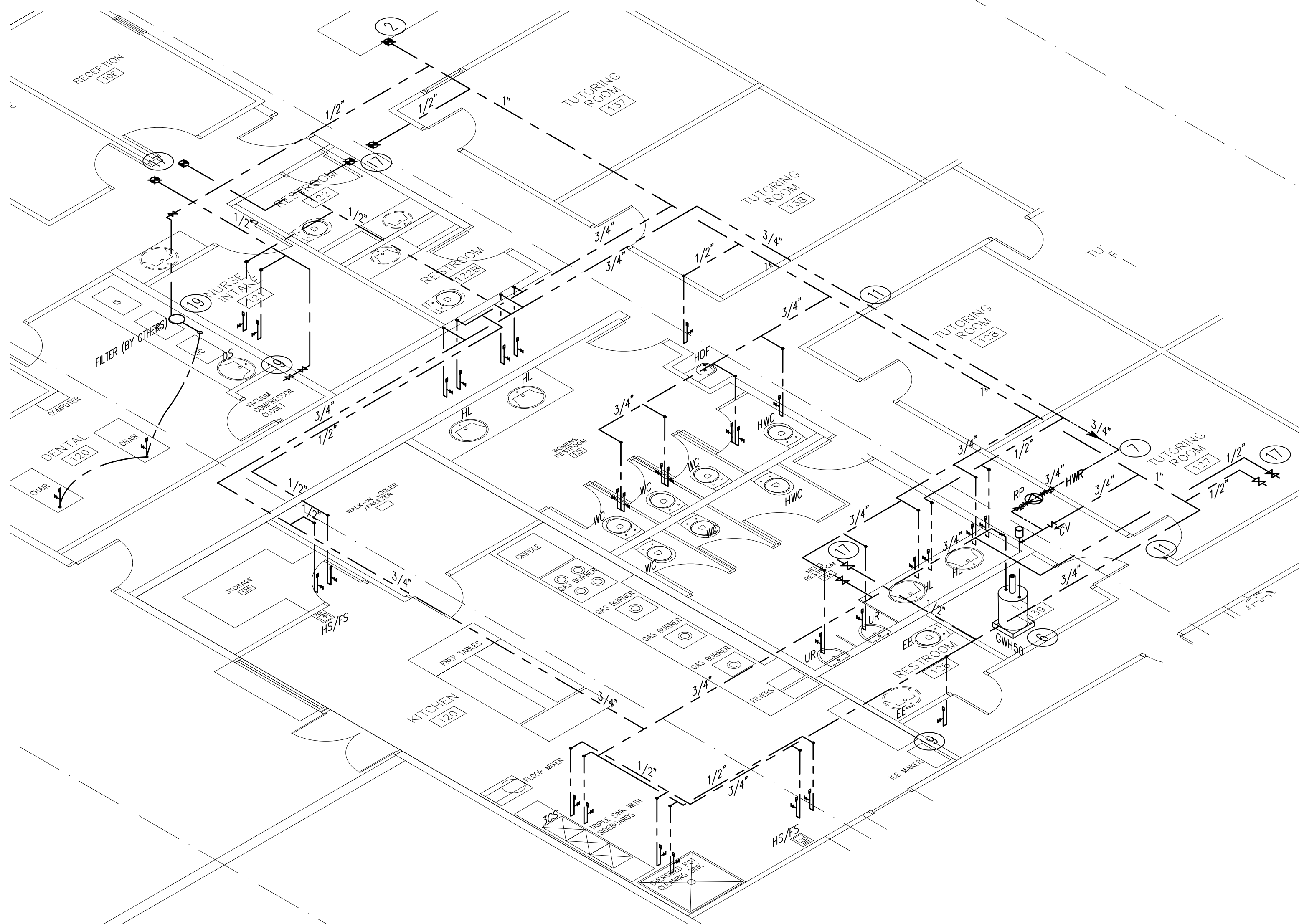
SCALE: AS SHOWN

P2

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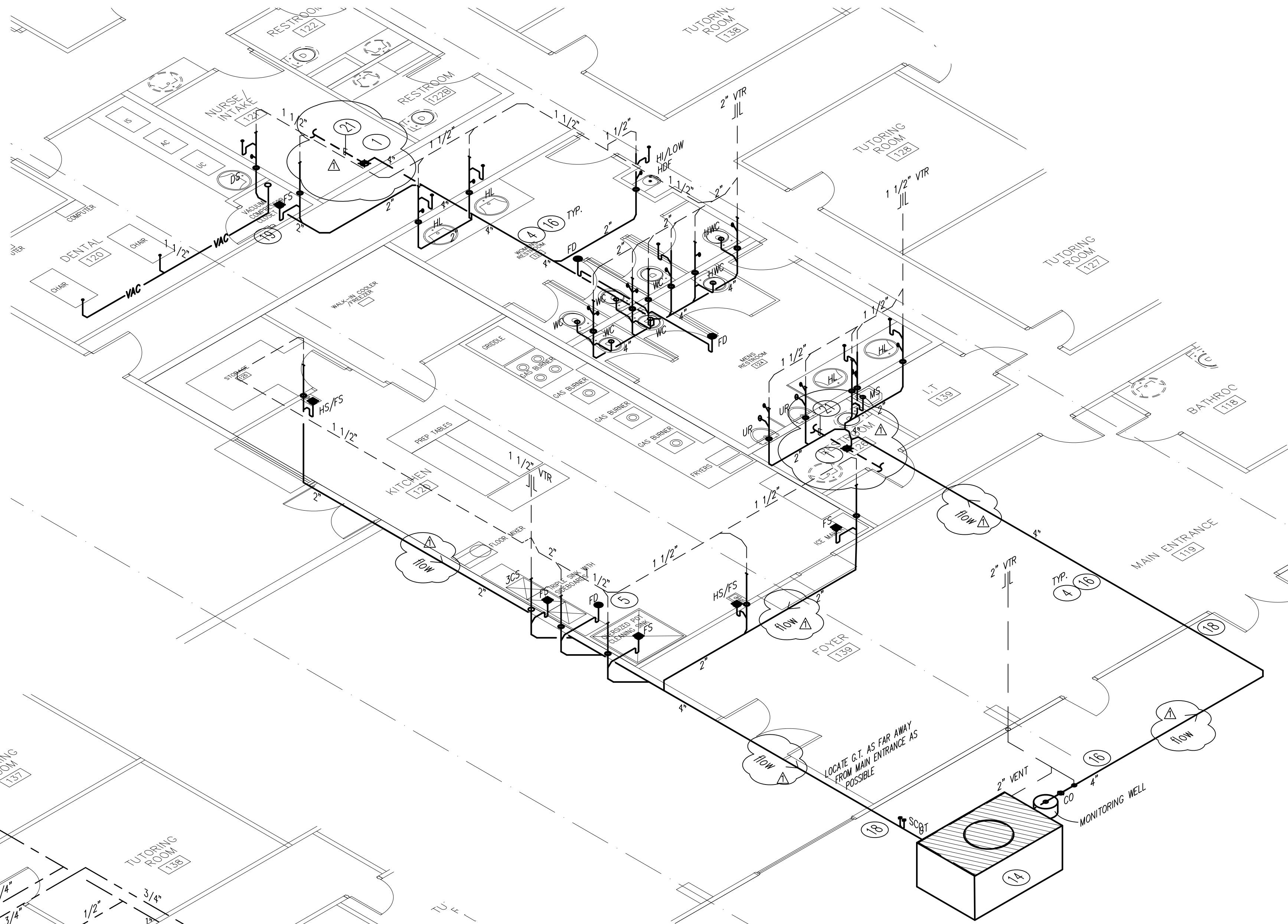
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- ⑥ WATER HEATER DISCHARGE SHALL CONFORM WITH IPC 504.6.1.
- ⑦ HOT WATER RETURN PIPE SHALL BE INSULATED WITH 1" INSULATION PER IECC 404.5
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- ⑨ DISCHARGE CONDENSATE AS REQUIRED PER IMC 307.2 AND IPC SECTION 314 REQUIREMENTS.
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- ⑪ INSTALL PROPER PIPE SUPPORT PER IPC SECTION 308.
- ⑫ GAS PIPE RUN IN JOIST SPACE SECURED TO PREFAB PIPE SUPPORTS AT 10' ON CENTER AND AT ALL ELBOWS. PROVIDE EXPANSION OFFSETS AS REQUIRED.
- ⑬ DISCHARGE CONDENSATE INTO MOP SINK.
- ⑭ INSTALL INTERCEPTOR AND SEPARATOR PER IPC SECTION 1003.
- ⑮ GAS METER (BY SERVICING GAS CO) PLUMBING CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH GAS CO. INCLUDING SERVICE APPLICATIONS AND FORMS.
- ⑯ PROVIDE PROPER TRENCHING, EXCAVATION AND BACKFILL PER IPC SECTION 306.
- ⑰ CONNECT INTO EXISTING HOT AND COLD WATER LINES SERVING EXISTING PLUMBING FIXTURES TO REMAIN.
- ⑱ PROVIDE PIPE PROTECTION PER IPC SECTION 305.
- ⑲ PROVIDE BACKFLOW DEVICE CONNECTION PER IPC 608 REQUIREMENTS.
- ⑳ EXISTING PLUMBING FIXTURE TO REMAIN. CLEAN AND REPAIR AS REQUIRED FOR PROPER OPERATION.
- ㉑ APPROXIMATE LOCATION OF EXISTING 4" SEWER LINE. FIELD VERIFY EXACT LOCATION AND NEW PLUMBING. NOTIFY ARCHITECT IF DISCREPANCIES EXIST WITH EXISTING INVERTS OR CONDITION OF EXISTING PIPING.



HOT AND COLD WATER ISOMETRIC

SCALE: NONE



WASTE AND VENT ISOMETRIC

SCALE: NONE



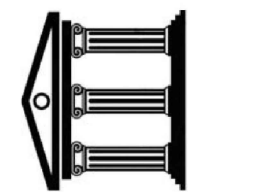
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7700 WINDROSE AVE
SUITE G300
PLANO, TEXAS 75024
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arte.solutions
972.802.4507

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1212 ROYAL
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76040

DATE:	DATE
PROJECT NO.	NO.
REVISION	DATE
Δ 7/10/20 EULESS PLAN	CHECK COMMENTS

Imperium Engineering Inc.
304 Park Meadows
Euless, Texas 76039
919.202.8620
Firm # 20089



PLUMBING
PLAN
ISOMETRICS

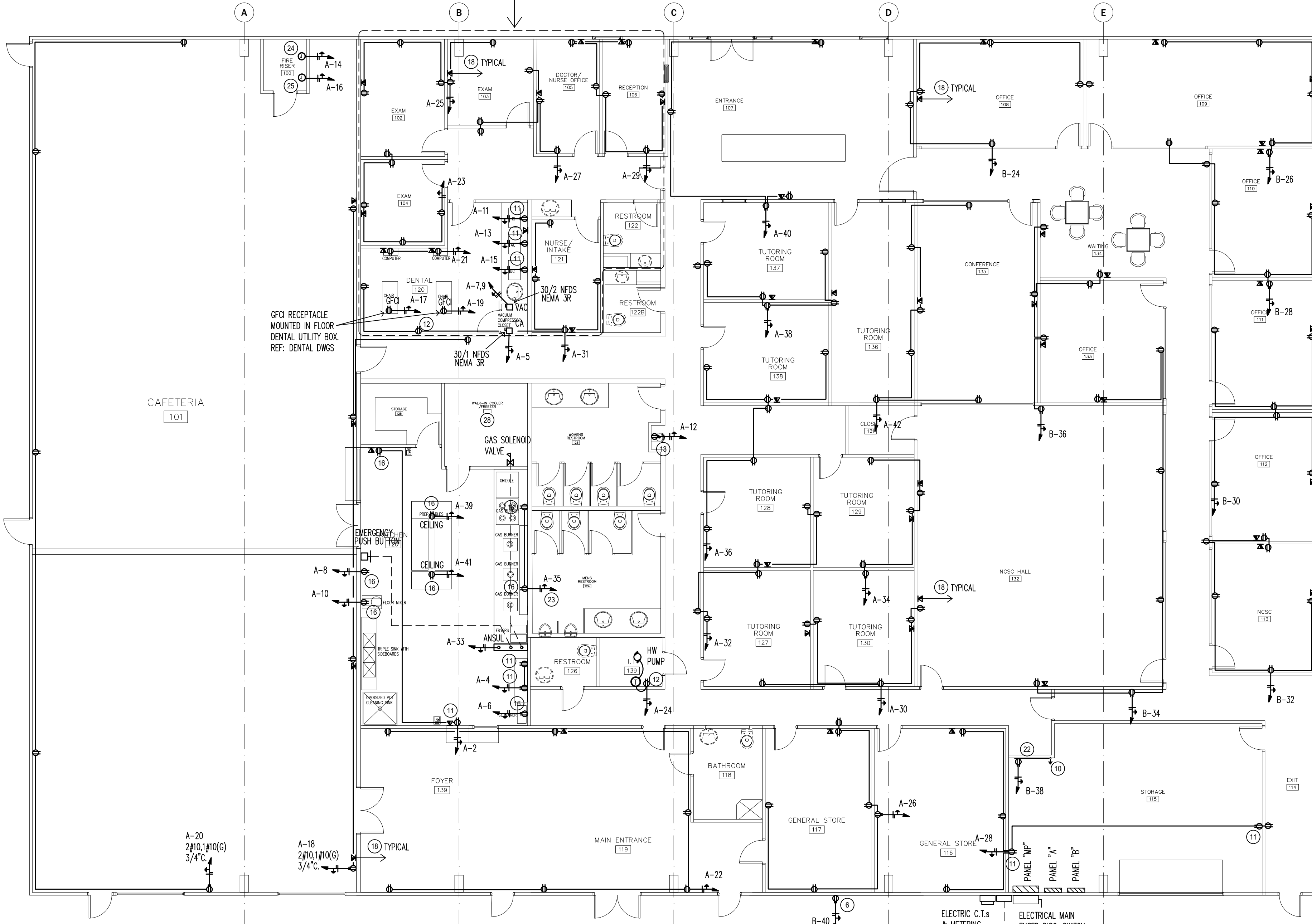
SCALE: AS SHOWN

P3

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WIRING IN PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13 (A) AND (B)
(A) WIRING METHODS - EFFECTIVE GROUND-FULT CURRENT PATH
(B) INSULATED EGC - INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR



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

ELECTRICAL KEYED NOTES:

- PROVIDE SWITCHING OF LIGHT FIXTURES PER IECC 405.2.2 REQUIREMENTS.
- EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF PER OWNERS DIRECTIONS AND SHALL COMPLY WITH LOCAL MUNICIPAL LIGHTING ORDINANCE.
- EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF AT DAY BREAK. LIGHTS ON THIS CIRCUIT INTENDED FOR NIGHT TIME SECURITY.
- HOT WATER RECIRCULATING PUMP TO BE CONTROLLED BY TIME CLOCK PER IECC 404.6 REQUIREMENTS.
- PROVIDE EGRESS EXIT DISCHARGE ILLUMINATION PER IFC 1006 REQUIREMENTS.
- INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE PER NEC 406.8.
- INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE FOR HVAC EQUIPMENT PER NEC 210.63 AND NEC 406.8 REQUIREMENTS.
- INSTALL GROUNDING AND BONDING PER NEC 250 REQUIREMENTS.
- PROVIDE GROUNDING ELECTRODE SYSTEM PER NEC 250.50, 250.52 WITH PROPER BONDING.
- PROVIDE INTERSYSTEM BONDING WITH MIN. # 6 AWG CU. PER NEC 250.94 REQUIREMENTS.
- MOUNT RECEPTACLE AT +42" GFI.
- GFI PROTECTED RECEPTACLE AS REQUIRED PER NEC 210.8 (B) (5).
- PROVIDE GFI PROTECTED RECEPTACLE FOR DRINKING FOUNTAIN CONNECTION PER NEC 422.52.
- PROVIDE MEANS OF CIRCUIT & EQUIPMENT PROTECTION PER NEC 440.21.
- PROVIDE A COMPLETE PANEL DIRECTORY PER NEC 408.4 REQUIREMENTS.
- ALL 15 AND 20 AMP 125 V. RECEPTACLES IN KITCHEN AREA TO BE GFI PROTECTED PER NEC 210.8 (B) (2).
- WEATHER RESISTANT J-BOX ON FASCIA FOR SIGN CONNECTION. VERIFY EXACT LOCATION PRIOR TO ROUGH IN.
- 3/4" CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING.
- INSTALL SERVICE EQUIPMENT PER NEC 230 REQUIREMENTS AND OVERCURRENT PROTECTION PER NEC 240 REQUIREMENTS.
- INSTALL METERING AND ENCLOSURE PER ELECTRIC UTILITY CO. REQUIREMENTS AND STANDARDS.
- INSTALL PANELBOARDS PER NEC 408 REQUIREMENTS.
- 4"X8"X1/4" FIRE RETARDANT COATED PLYWOOD FOR TELEPHONE AND DATA EQUIPMENT MOUNTING.
- CIRCUIT THRU SHUNT TRIP BREAKER CONNECTED INTO EXHAUST HOOD FIRE SUPPRESSION SYSTEM.
- J-BOX FOR CONNECTION INTO FIRE SPRINKLER TAMPER SWITCH.
- J-BOX FOR CONNECTION INTO FIRE SPRINKLER FLOW MONITOR.
- FIXTURES IN THIS DAYLIGHT ZONE HAVE INTEGRAL OCCUPANCY AND PHOTOCELL SENSOR TO COMPLY WITH IECC SECTION 405 REQUIREMENTS.
- EMERGENCY BATTERY PACK IN LIGHT FIXTURE TO BE WRED INTO NON SWITCHED LIGHTING CIRCUIT.
- COMPLY WITH NEC 300.7(A) FOR CONDUIT INSTALLATIONS AT COLD STORAGE AND EXTERIOR APPLICATIONS.

AIC Calculation

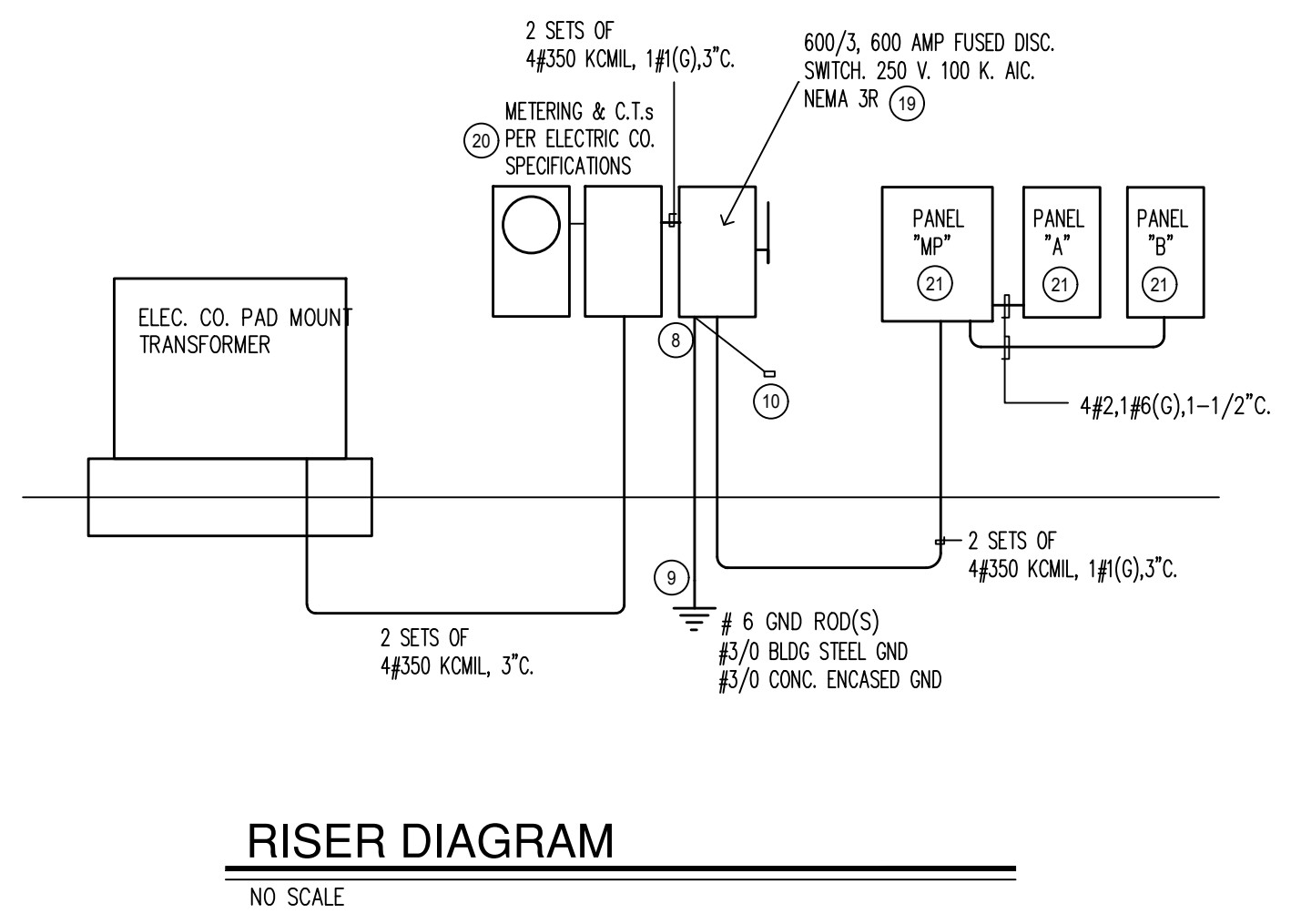
TRANSFORMER
208 Volts (L-L) 3 PHASE
150 KVA Z = 1.2 (%)

$$If = \frac{[KVA] \times [1000]}{(1.73) \times [Voltage]} = 416.4 \text{ AMPS}$$

$$Isc = \frac{[If] \times [100]}{Z} = 34698 \text{ AMPS}$$

Available fault current at transformer secondary **34698 AMPS**

For gear located at a distance of 10 feet of (n) conductors with constant value c.
c = 19703
n = 2
 $f = \frac{[Isc] \times [1.73] \times [length]}{(volts) \times c} = 0.0733$
m = $\frac{1}{1+f} = 0.9317$
Isc_new = m * Isc
Available fault current at gear: **32327 AMPS**
JUN FUSE LET THROUGH CURRENT = 8,000 AMPS



RISER DIAGRAM
NO SCALE

15 PANEL MP 208/120V, 3 PHASE, 4 WIRE, 600A MAIN LUGS, DOOR IN DOOR, SURFACE MOUNTED, GROUND BAR, NEUTRAL BAR, NEMA 1 ENCLOSURE, 10K AIC

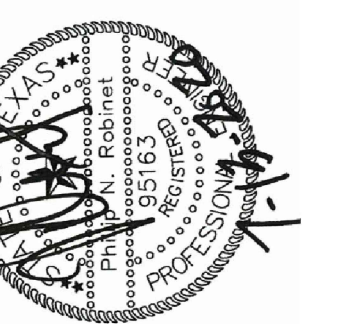
CCT#	LOAD DESCRIPTION	BKR SIZE (VA)	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE (VA)	LOAD DESCRIPTION	CCT#	
1	PANEL A	100/3	10072	19287			9215	100/3	PANEL B	2	
2			9712		20602		10890			4	
3			10000			20803	10000			6	
5	MAU	150/3	11640	14968			3328	50/2	RTPAC-1	8	
7			11640				3328			10	
11			11640				15696	4056	60/2	RTPAC-2	12
13	RTPAC-7	60/2	4056	8112			4056	60/2		14	
15			4056		8112		4056	60/2		16	
17	RTPAC-8	60/2	4056		8112		4056	60/2		18	
19			4056			8112	4056	60/2		20	
21	RTPAC-9	60/2	4056		8112		4056	60/2		22	
23			4056			8112	4056	60/2		24	
25	WIF COND. UNIT	30/2	1875	5931			4056			26	
27			1875		5931		4056	60/2		28	
29	WIC COND. UNIT	20/2	625		4681		4056			30	
31			625	985			360	20/1	FCU COOLER	32	
33	FCU FREEZER	20/2	1350		2418		1088	20/1	KEF-1	34	
35			1350			2418	1088	20/1	KEF-2	36	
37	SPACE		0				0		SPACE	38	
39	SPACE		0				0		SPACE	40	
41	SPACE		0				0		SPACE	42	
PER PHASE TOTAL FEED THRU			57395	60143	59822				NOTES:		
TOTAL LOAD (KVA)			177.4	@208V	492						

15 PANEL A 208/120V, 3 PHASE, 4 WIRE, 225A MAIN LUGS, DOOR IN DOOR, SURFACE MOUNTED, GROUND BAR, NEUTRAL BAR, NEMA 1 ENCLOSURE, 10K AIC

CCT#	LOAD DESCRIPTION	BKR SIZE (VA)	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE (VA)	LOAD DESCRIPTION	CCT#
1	EXH. FAN	20/1	480	840			360	20/1	RCPTS	2
3	UNIT HTR	20/1	360		720		360	20/1	RCPTS	4
5	AIR COMP.	20/1	960		1680		720	20/1	RCPTS	6
7	VACUUM	20/2	832	1552			720	20/1	RCPTS	8
9			832		2332		1500	20/1	RCPTS	10
11	DENTAL EQUIPMENT	20/1	720			1440	720	20/1	DF	12
13	DENTAL EQUIPMENT	20/1	720			1080	360	20/1	FIRE SPRINKLER TAMPER SWITCH	14
15	DENTAL EQUIPMENT	20/1	720			1080	360	20/1	FIRE SPRINKLER FLOW SWITCH	16
17	DENTAL CHAIR	20/1	480			1380	900	20/1	RCPTS	18
19	DENTAL CHAIR	20/1	480			1380	900	20/1	RCPTS	20
21	RCPTS	20/1	360			1440	1080	20/1	RCPTS	22
23	RCPTS	20/1	900			1260	360	20/1	HW PUMP	24
25	RCPTS	20/1	900			1980	1080	20/1	RCPTS	26
27	RCPTS	20/1	900			1800	900	20/1	RCPTS	28
29	RCPTS	20/1	1080			2160	1080	20/1	RCPTS	30
31	RCPTS	20/1	1080			2160	1080	20/1	RCPTS	32
33	ANSUL	20/1	360			1260	900	20/1	RCPTS	34
35	RCPTS - COOK LINE	20/1	360			1440	1080	20/1	RCPTS	36
37			360			1080	1080	20/1	RCPTS	38
39	RCPTS	20/1	360			1080	720	20/1	RCPTS	40
41	RCPTS	20/1	360			1440	1080	20/1	RCPTS	42
PER PHASE TOTAL FEED THRU			10072	9712	10800				NOTES:	
TOTAL LOAD (KVA)			30.6	@208V	85					

15 PANEL B 208/120V, 3 PHASE, 4 WIRE, 125A MAIN LUGS, DOOR IN DOOR, SURFACE MOUNTED, GROUND BAR, NEUTRAL BAR, NEMA 1 ENCLOSURE, 10K AIC

CCT#	LOAD DESCRIPTION	BKR SIZE (VA)	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE (VA)	LOAD DESCRIPTION	CCT#
1	EXT. LTG	20/2	750	1200			450	20/1	LTG	2
3			750		2090		1340	20/1	LTG	4
5	EXT. LTG	20/2	750		1643		893	20/1	LTG	6
7			750	2090			1340	20/1	LTG	8
9	SIGN	20/1	800			2140	1340	20/1	LTG	10
11	SIGN	20/1	800			1775	975	20/1	LTG	12
13	LTG	20/1	1125	1485			360	20/1	LTG	14
15	LTG	20/1	1050			2400	1350	20/1	LTG	16
17	LTG	20/1	750			1650	900	20/1	LTG	18
19	LTG	20/1	600			825	225	20/1	LTG	20
21	HOOD LTG & CONTROLS	20/1	360			540	180	20/1	LTG CONTROL	22
23	WALK IN LTG	20/1	360			1440	1080	20/1	RCPTS	24
25	LTG	20/1	1275	2175			900	20/1	RCPTS	26
27	LTG	20/1	1200			2280	1080	20/1	RCPTS	28
29	LTG	20/1	975			2055	1080	20/1	RCPTS	30
31	SPARE	20/1				1080	1080	20/1	RCPTS	32
33	SPARE	20/1				1080	1080	20/1	RCPTS	34
35	SPARE	20/1				1080	1080	20/1	RCPTS	36
37	SPARE	20/1				360	360	20/1	TTB	38
39	SPARE	20/1				360	360	20/1	EXTERIOR RCPT	40
41	SPARE	20/1				360	360	20/1	ROOF RCPTS	42
PER PHASE TOTAL FEED THRU			9215	10890	10003				NOTES:	
TOTAL LOAD (KVA)			30.1	@208V	84					



ELECTRICAL KEYED NOTES:

- PROVIDE SWITCHING OF LIGHT FIXTURES PER IECC 405.2.2 REQUIREMENTS.
- EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF PER OWNERS DIRECTIONS AND SHALL COMPLY WITH LOCAL MUNICIPAL LIGHTING ORDINANCE.
- EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF AT DAY BREAK. LIGHTS ON THIS CIRCUIT INTENDED FOR NIGHT TIME SECURITY.
- HOT WATER RECIRCULATING PUMP TO BE CONTROLLED BY TIME CLOCK PER IECC 404.6 REQUIREMENTS.
- PROVIDE EGRESS EXIT DISCHARGE ILLUMINATION PER IFC 1006 REQUIREMENTS.
- INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE PER NEC 406.8.
- INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE FOR HVAC EQUIPMENT PER NEC 210.63 AND NEC 406.8 REQUIREMENTS.
- INSTALL GROUNDING AND BONDING PER NEC 250 REQUIREMENTS.
- PROVIDE GROUNDING ELECTRODE SYSTEM PER NEC 250.50, 250.52 WITH PROPER BONDING.
- PROVIDE INTERSYSTEM BONDING WITH MIN. # 6 AWG CU. PER NEC 250.94 REQUIREMENTS.
- MOUNT RECEPTACLE AT +42" GFL.
- GFI PROTECTED RECEPTACLE AS REQUIRED PER NEC 210.8 (B) (5).
- COMPLY WITH NEC 300.7(A) FOR CONDUIT INSTALLATIONS AT COLD STORAGE AND EXTERIOR APPLICATIONS.
- PROVIDE MEANS OF CIRCUIT & EQUIPMENT PROTECTION PER NEC 440.21.
- PROVIDE A COMPLETE PANEL DIRECTORY PER NEC 408.4 REQUIREMENTS.
- ALL 15 AND 20 AMP 125 V. RECEPTACLES IN KITCHEN AREA TO BE GFI PROTECTED PER NEC 210.8 (B) (2).
- WEATHER RESISTANT J-BOX ON FASCIA FOR SIGN CONNECTION. VERIFY EXACT LOCATION PRIOR TO ROUGH IN.
- 3/4" CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING.
- INSTALL SERVICE EQUIPMENT PER NEC 230 REQUIREMENTS AND STANDARDS.
- INSTALL METERING AND ENCLOSURE PER ELECTRIC UTILITY CO. REQUIREMENTS AND STANDARDS.
- INSTALL PANELBOARDS PER NEC 408 REQUIREMENTS.
- 4"x8"x3/4" FIRE RETARDANT COATED PLYWOOD FOR TELEPHONE AND DATA EQUIPMENT MOUNTING.
- CIRCUIT THRU SHUNT TRIP BREAKER CONNECTED INTO EXHAUST HOOD FIRE SUPPRESSION SYSTEM.
- J-BOX FOR CONNECTION INTO FIRE SPRINKLER TAMPER SWITCH.
- J-BOX FOR CONNECTION INTO FIRE SPRINKLER FLOW MONITOR.
- FIXTURES IN THIS DAYLIGHT ZONE HAVE INTEGRAL OCCUPANCY AND PHOTOCELL SENSOR TO COMPLY WITH IECC SECTION 405 REQUIREMENTS.
- EMERGENCY BATTERY PACK IN LIGHT FIXTURE TO BE WIRED INTO NON SWITCHED LIGHTING CIRCUIT.
- COMPLY WITH NEC 300.7(A) FOR CONDUIT INSTALLATIONS AT COLD STORAGE AND EXTERIOR APPLICATIONS.

COMcheck Software Version 4.1.1.0
Interior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: New Construction
Project Type: New Construction
Construction Site: NAPALI MANDIR COMMUNITY CENTER, EULESS, TX
Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Unspecified

Area Category	Floor Area (ft ²)	Allowed Watts / ft ²	Allowed Watts (B X C)
1-Office	6800	0.82	5576
2-Dining/Family	5500	0.85	5225
3-School/University	2900	0.87	2522
Total Allowed Watts =			13063

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps / Fixture	# of Fixtures	Watt.	(C X D)
1-Office LED 1: A:AE B: 2x4 LED; Other: LED 2: C:2x2 LED; Other: LED 3: D:DE LED DOWNLIGHT; Other: LED 4: E: LED PENDANT; Other: LED 5: F: F STRIP LED; Other:	1	142	48	6816
	1	2	31	62
	1	27	119	3213
	1	6	119	714
	1	3	60	180
Total Proposed Watts =			10965	

Interior Lighting PASSES: Design 16% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

IRVIN ROBER PROJECT-MANAGER Signature: I. Robere Date: 7/10/20

COMcheck Software Version 4.1.1.0
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: New Construction
Project Type: Exterior Lighting Zone
Exterior Lighting Zone: 2 (Light Industrial area with limited nighttime use)

Allowed Exterior Lighting Power

Area/Surface Category	Quantity	Allowed Watts / Unit	Tradable Wattage	Allowed Watts (B X C)
Walkway >= 10 feet wide	14000 ft ²	0.14	Yes	1960
Total Tradable Watts (a) =			2160	
Total Allowed Watts =			2160	
Total Allowed Supplemental Watts (b) =			600	

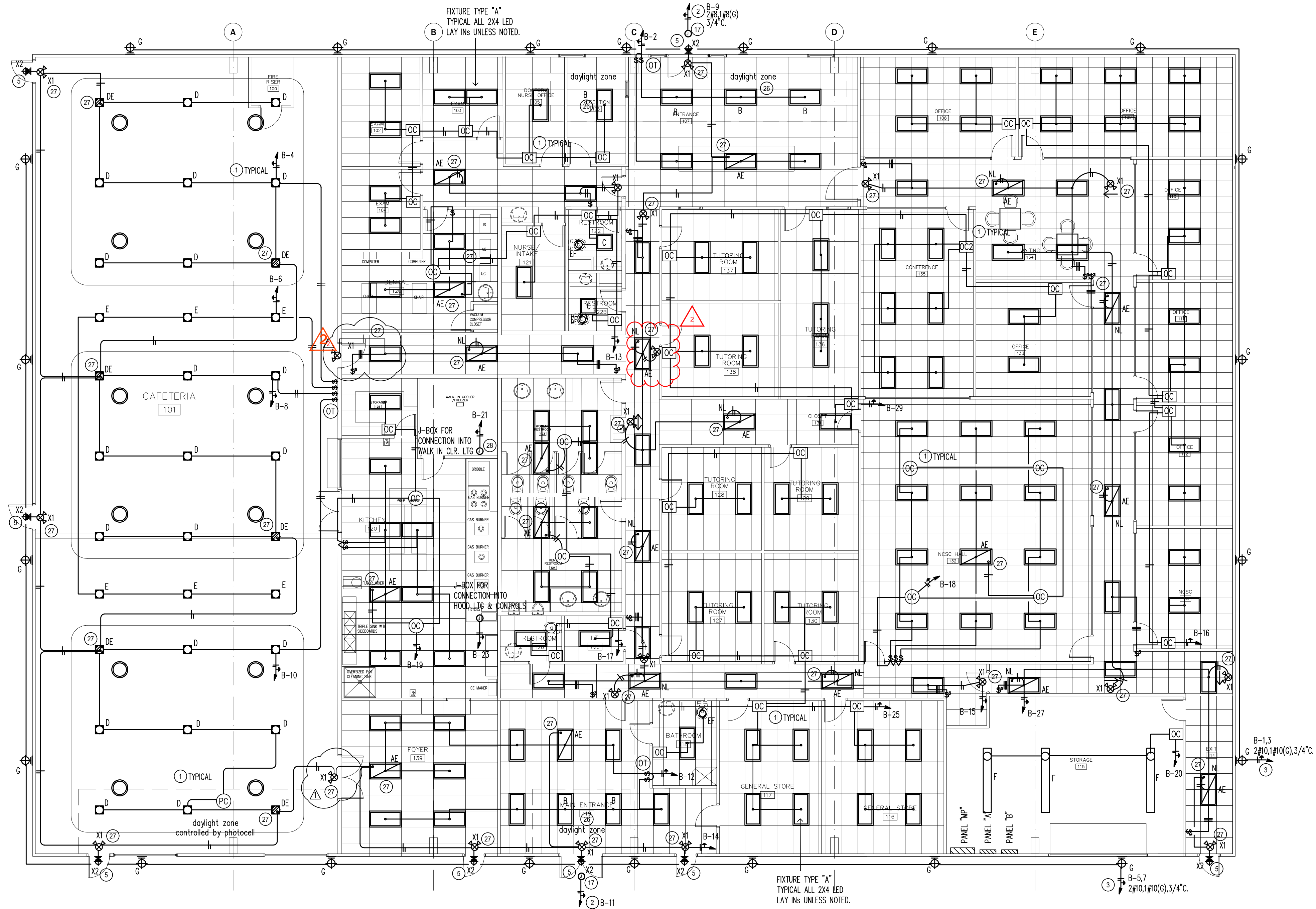
(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps / Fixture	# of Fixtures	Watt.	(C X D)
Walkway >= 10 feet wide (14000 ft ²): Tradable Wattage LED 1: G: WALL PACK; Other:	1	22	109	2398
Entry canopy (800 ft ²): Tradable Wattage				
Total Tradable Proposed Watts =			2398	

Exterior Lighting PASSES: Design 13% better than code

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

IRVIN ROBER PROJECT-MANAGER Signature: I. Robere Date: 7/10/20

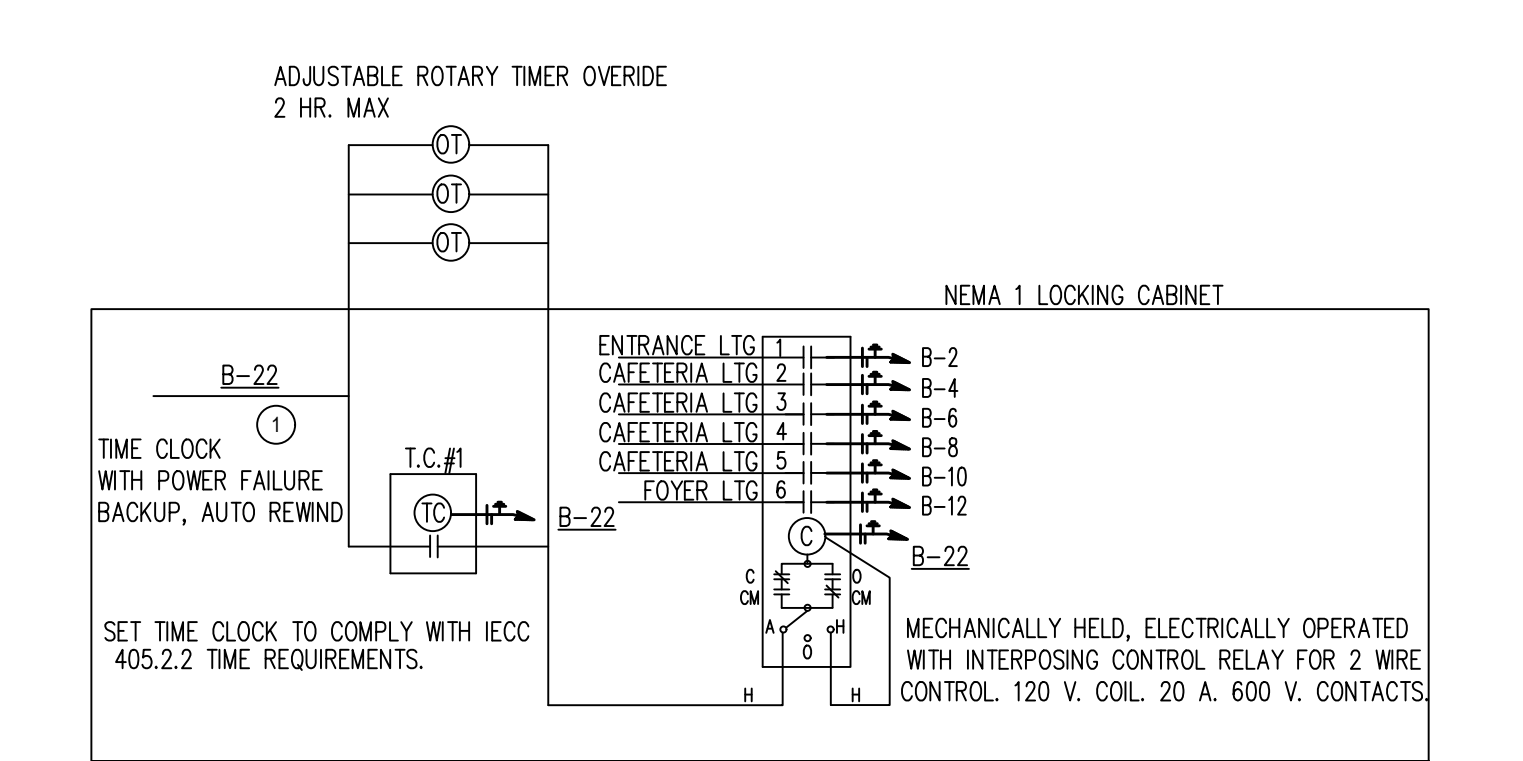


FIRE ALARM SYSTEM WITH VOICE ACTIVATION WILL BE INSTALLED.

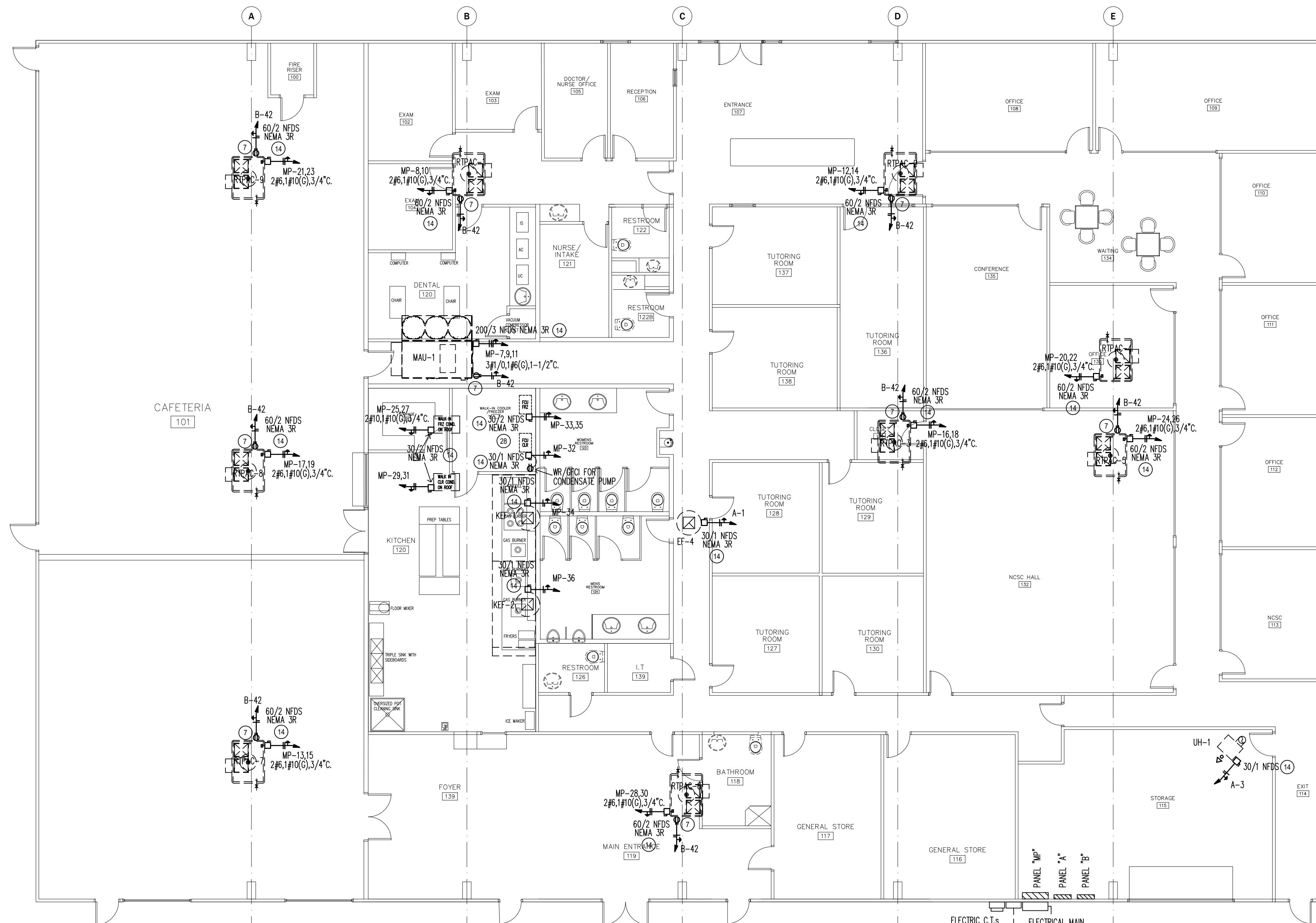
1 LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHT FIXTURE SCHEDULE

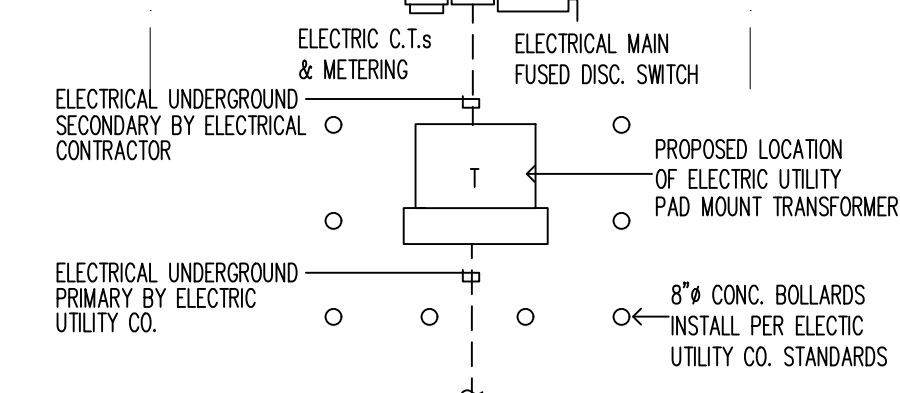
MANUFACTURER #	# LAMPS / TYPE	MOUNTING	VOLTS	REMARKS
A LITHONIA # 2BL146LADSMZ1LP840	48 w. LED	LAY IN	120	
AE LITHONIA # 2BL146LADSMZ1LP840EL14L	48 w. LED	LAY IN	120	EMERGENCY BATTERY PACK
B LITHONIA # 2BL146LADSMZ1LP840SDPD7ADXC	48 w. LED	LAY IN	120	INTEGRAL OCCUPANCY SENSOR/PHOTOCELL
C LITHONIA # 2BL1240LADSMZ1LP840	31 w. LED	LAY IN	120	
DE LITHONIA # LDN8408L08ARLSS	119 w. LED	RECESSED	120	
DEL LITHONIA # LDN8408L08ARLSS-EL	119 w. LED	RECESSED	120	EMERGENCY BATTERY PACK
E LITHONIA # LDN8408L08ARLSS-PM	119 w. LED	PENDANT	120	
F LITHONIA # 1ZL101966000MFST40K80CRWH	60 w. LED	SURFACE	120	
G LITHONIA # DSKW2LED30C100040K14M	109 w. LED	WALL	208	DARK SKY COMPLIANT
X1 LITHONIA # LHOMLED	WITH FIXTURE	UNIVERSAL	120	EMERGENCY BATTERY PACK
X2 LITHONIA # AFN	WITH FIXTURE	WALL	120	EMERGENCY BATTERY PACK



INTERIOR LIGHTING CONTROL SCHEMATIC
CAFETERIA, FOYER, MAIN ENTRANCE AND ENTRANCE LIGHTS

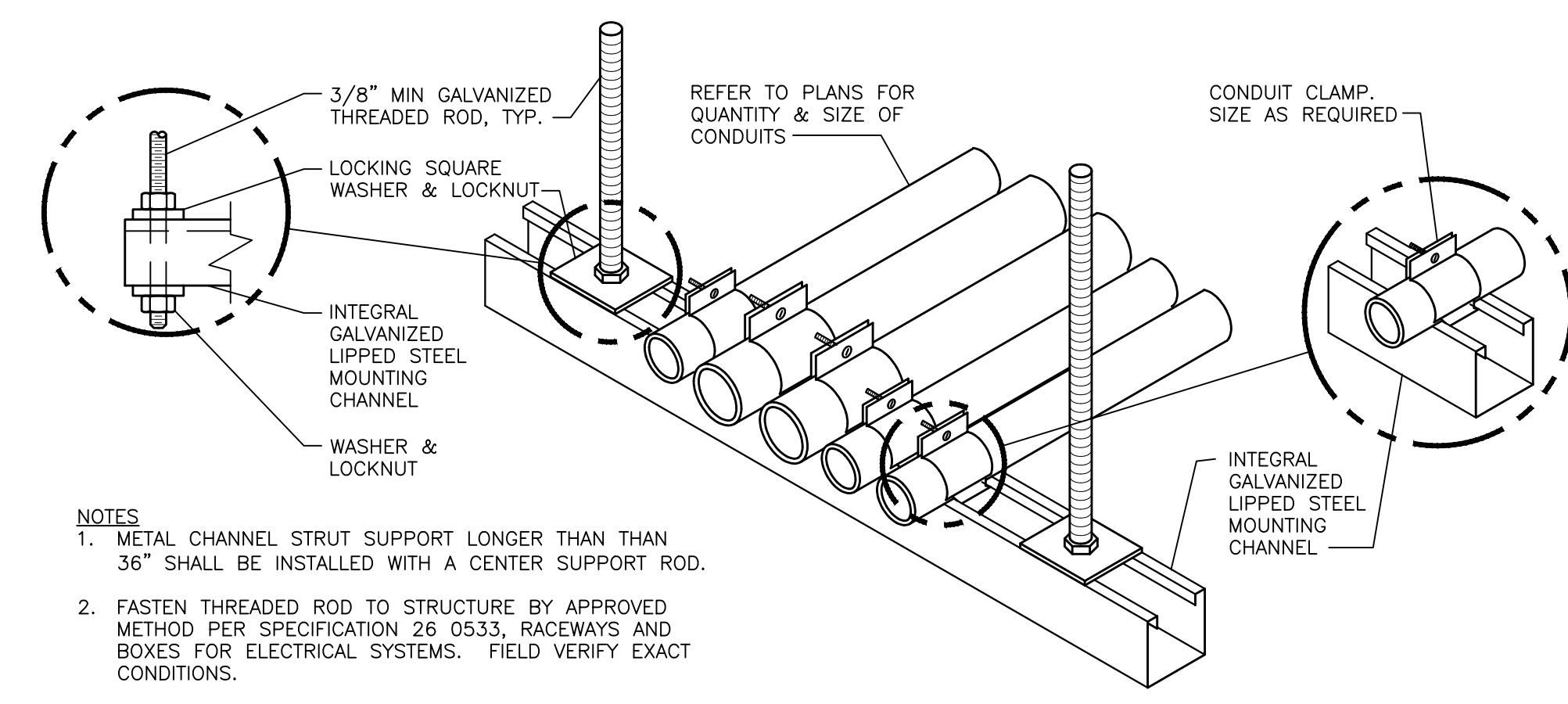


1 POWER PLAN - HVAC UNITS
 SCALE: 1/8"=1'-0"



ELECTRICAL KEYED NOTES:

- 1 PROVIDE SWITCHING OF LIGHT FIXTURES PER IECC 405.2.2 REQUIREMENTS.
- 2 EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF PER OWNERS DIRECTIONS AND SHALL COMPLY WITH LOCAL MUNICIPAL LIGHTING ORDINANCE.
- 3 EXTERIOR TIME CONTROLLER SHALL HAVE 7 DAY AND SEASONAL ADJUSTMENT WITH 4 HR. BACKUP PER IECC 405.2.4 REQUIREMENTS. TIMER TO BE ADJUSTED TO COME ON AT DUSK AND TURN OFF AT DAY BREAK. LIGHTS ON THIS CIRCUIT INTENDED FOR NIGHT TIME SECURITY.
- 4 HOT WATER RECIRCULATING PUMP TO BE CONTROLLED BY TIME CLOCK PER IECC 404.6 REQUIREMENTS.
- 5 PROVIDE EGRESS EXIT DISCHARGE ILLUMINATION PER IFC 1006 REQUIREMENTS.
- 6 INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE PER NEC 406.8.
- 7 INSTALL WEATHER RESISTANT WITH UV RESISTANCE COVER, GFI PROTECTED RECEPTACLE FOR HVAC EQUIPMENT PER NEC 210.63 AND NEC 406.8 REQUIREMENTS.
- 8 INSTALL GROUNDING AND BONDING PER NEC 250 REQUIREMENTS.
- 9 PROVIDE GROUNDING ELECTRODE SYSTEM PER NEC 250.50, 250.52 WITH PROPER BONDING.
- 10 PROVIDE INTERSYSTEM BONDING WITH MIN. # 6 AWG CU. PER NEC 250.94 REQUIREMENTS.
- 11 MOUNT RECEPTACLE AT +42" GFI.
- 12 GFI PROTECTED RECEPTACLE AS REQUIRED PER NEC 210.8 (B) (5).
- 13 PROVIDE GFI PROTECTED RECEPTACLE FOR DRINKING FOUNTAIN CONNECTION PER NEC 422.52.
- 14 PROVIDE MEANS OF CIRCUIT & EQUIPMENT PROTECTION PER NEC 440.21.
- 15 PROVIDE A COMPLETE PANEL DIRECTORY PER NEC 408.4 REQUIREMENTS.
- 16 ALL 15 AND 20 AMP 125 V. RECEPTACLES IN KITCHEN AREA TO BE GFI PROTECTED PER NEC 210.8 (B) (2).
- 17 WEATHER RESISTANT J-BOX ON FASCIA FOR SIGN CONNECTION. VERIFY EXACT LOCATION PRIOR TO ROUGH IN.
- 18 3/4" CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING.
- 19 INSTALL SERVICE EQUIPMENT PER NEC 230 REQUIREMENTS AND OVERCURRENT PROTECTION PER NEC 240 REQUIREMENTS.
- 20 INSTALL METERING AND ENCLOSURE PER ELECTRIC UTILITY CO. REQUIREMENTS AND STANDARDS.
- 21 INSTALL PANELBOARDS PER NEC 408 REQUIREMENTS.
- 22 4"x8"x3/4" FIRE RETARDANT COATED PLYWOOD FOR TELEPHONE AND DATA EQUIPMENT MOUNTING.
- 23 CIRCUIT THRU SHUNT TRIP BREAKER CONNECTED INTO EXHAUST HOOD FIRE SUPPRESSION SYSTEM.
- 24 J-BOX FOR CONNECTION INTO FIRE SPRINKLER TAMPER SWITCH.
- 25 J-BOX FOR CONNECTION INTO FIRE SPRINKLER FLOW MONITOR.
- 26 FIXTURES IN THIS DAYLIGHT ZONE HAVE INTEGRAL OCCUPANCY AND PHOTOCELL SENSOR TO COMPLY WITH IECC SECTION 405 REQUIREMENTS.
- 27 EMERGENCY BATTERY PACK IN LIGHT FIXTURE TO BE WIRED INTO NON SWITCHED LIGHTING CIRCUIT.
- 28 COMPLY WITH NEC 300.7(A) FOR CONDUIT INSTALLATIONS AT COLD STORAGE AND EXTERIOR APPLICATIONS.



- NOTES**
1. METAL CHANNEL STRUT SUPPORT LONGER THAN THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
 2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 0533, RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
 3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 10 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

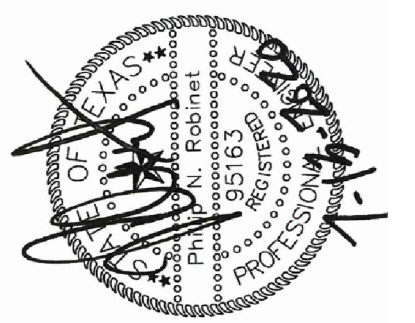
CONDUIT MOUNTING DETAIL

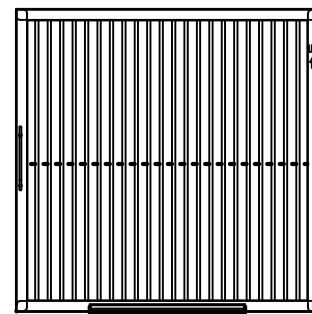
ARTECO INTEGRATED LLC 8018
 7700 WINDROSE AVE
 SUITE G300
 PLANO, TEXAS 75024
 TBPE ENGINEERING FIRM
 TBPE ARCHITECTURE BR-1707
 artec.solutions
 972.802.4507

PROJECT
NEPALI MANDIR COMMUNITY CENTER

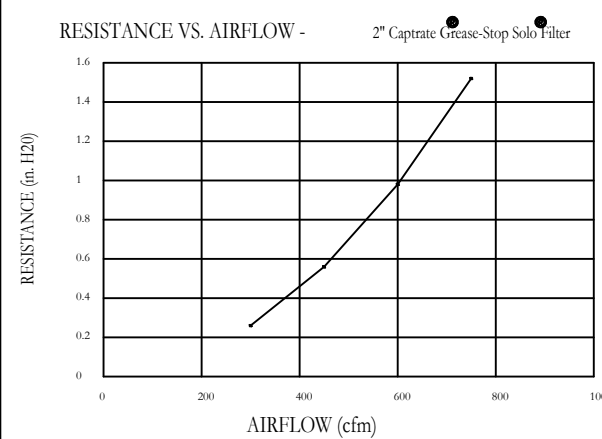
1212 ROYAL PARKWAY
 EULESS TEXAS, 76040
 DATE: PROJECT NO.
 DATE: REVISION

REVISION	DATE





Captrate Grease-Stop Solo Filter



Filter Detail

CAPTRATE

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA=144 X $\frac{CFM}{FPM(\cdot)}$
 DUCT LENGTH= $\frac{TOTAL DUCT AREA}{DUCT DEPTH}$

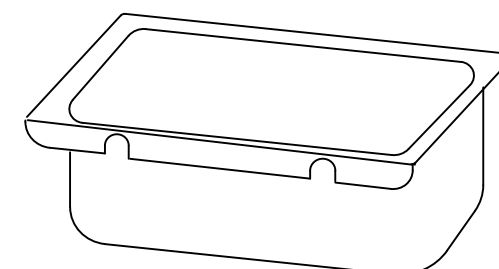
CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

- NFPA #86
- ETL SANITATION
- B.O.C.A. #93-16
- ICB O. 34416
- 3800 PSI & ESI NO. 93137
- ETL LISTED 102900318PRT-00 COMPLIES WITH UL710, UL710 AND ULC-3546 STANDARDS.
- LOS ANGELES RR#8080
- ETL IS LISTED TO ULC STANDARDS



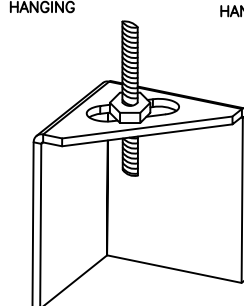
BUILDING CODES



Grease cup will be supported by 2 studs on the inside wall of the hood. The grease will drain through a concealed grease trough and into this removable cup.

1/2 Pint Grease Cup Detail

1/2" DIA. ALL THROUD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE



* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY

ND-2 HANGING ANGLE DETAIL

HANGING ANGLES WILL BE LOCATED IN THE FOLLOWING LOCATIONS FOR WALL CANOPIES

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24" High Hood)	DIM FROM FRONT (30" High Hood)
Wall Exhaust Only	4.166"	2.25"	2.25"
		With MUA	2.25"
Back Shelf Exhaust Only	4.166"	2.25"	2.25"
		With MUA	2.25"
Condensate	2.25"	2.25"	

HANGING ANGLE LOCATIONS

HOOD INFORMATION - Job#4338925

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TYPE	APPLIANCE DUTY	DESIGN CFM/Ft	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG.		
									WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.		S.P.	END TO END	RDW
1	KH-1	6030 ND-2	10' 0"	600 Deg.	I	Heavy	175	1750			4'	14'	1750	1637	-0.612'	430 SS Where Exposed	LEFT	FRONT
2	KH-2	6030 ND-2	10' 0"	600 Deg.	I	Heavy	175	1750			4'	14'	1750	1637	-0.612'	430 SS Where Exposed	RIGHT	FRONT

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WGT
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE		
1	KH-1	Captrate Solo Filter	7	20"	16"	85% See Filter Spec.	3	Recessed	ND					YES	482 LBS
2	KH-2	Captrate Solo Filter	7	20"	16"	85% See Filter Spec.	3	Recessed	ND	Right	12"x60"x30"	Cap Electric Wet Chemical	4.0/4.0/4.0/4.0		1046 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1	KH-1	FIELD WRAPPER 10.00' High Front
		BACKSPLASH 80.00' High X 253.00' Long 430 SS Vertical
		LEFT SIDESPLASH 80.00' High X 60.00' Long 430 SS Vertical
		LEFT END STANDOFF (FINISHED) 1' Wide 60' Long Insulated
		RISER SENSOR INSTALL 3IN DBL
		LEFT WALL AS END PANEL
		DI-PSP 8" 309CFM
		DI-PSP 8" 309CFM
		DI-PSP 8" 309CFM
		DI-PSP 8" 309CFM
		DI-PSP 8" 309CFM
		DI-PSP 8" 309CFM
2	KH-2	FIELD WRAPPER 10.00' High Front, Right
		STRUCTURAL FRONT PANEL
		RISER SENSOR INSTALL 3IN DBL
		RIGHT VERTICAL END PANEL 27" Top Width, 21" Bottom Width, 80" High Insulated 430 SS

DIFFUSER SCHEDULE

TAG	MODEL	CEILING HEIGHT	NOMINAL FACE SIZE	RISER DIA.	CFM	DUCT VELOCITY (FPM)	FACE DISCHARGE VELOCITY (FPM)	T50 AFF	S.P.	NOISE CRITERIA	LINKED FAN	LINKED HOOD
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2
DI-PSP	DI-PSP-08-24X24	10'	24 X 24	8	309	886	92	7.00'	0.141'	37	CASRTU3-1.300-18-20T-DDAS	6030ND-2

REVISIONS

DESCRIPTION	DATE:



CAPTIVE
 Dallas/Ft. Worth Mechanical
 www.captiveaire.com
 PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg137@captiveaire.com

Nepali Mandir Community Center
 1212 Royal Parkway,
 EULESS, TX, 76040

DATE: 5/11/2020

DWG.#: 4338925

DRAWN BY: mskertchly

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

MASTER DRAWING

SHEET NO. 1

FOR QUESTIONS, CALL
 ANDREW UPPERMAN: REGIONAL MANAGER
 PHONE: (817) 953-5611
 FAX: (817) 953-5611
 EMAIL: andrew.upperman@captiveaire.com

REVISIONS	
DESCRIPTION	DATE



CAPTIVE
 Dallas/Ft. Worth Mechanical
 www.captiveaire.com
 PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg1317@captiveaire.com

Nepali Mandir Community Center
 1212 Royal Parkway,
 EULESS, TX, 76040

DATE: 5/11/2020

DWG.#: 4338925

DRAWN BY: mskertchly

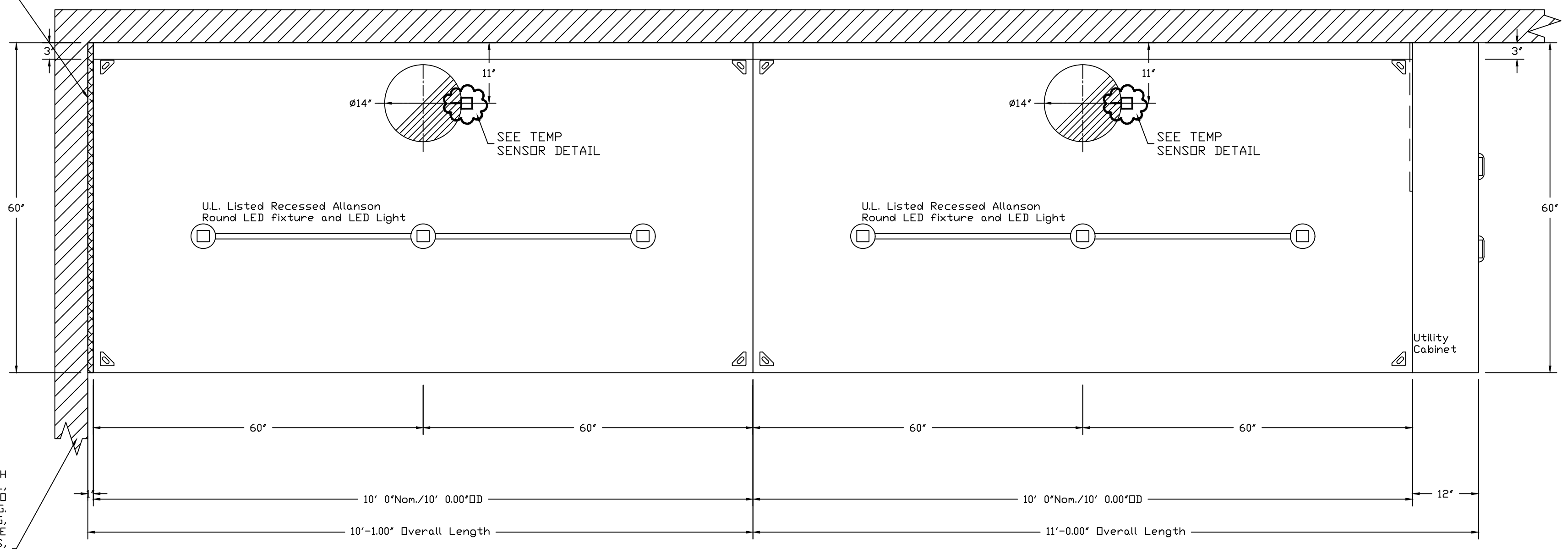
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 2

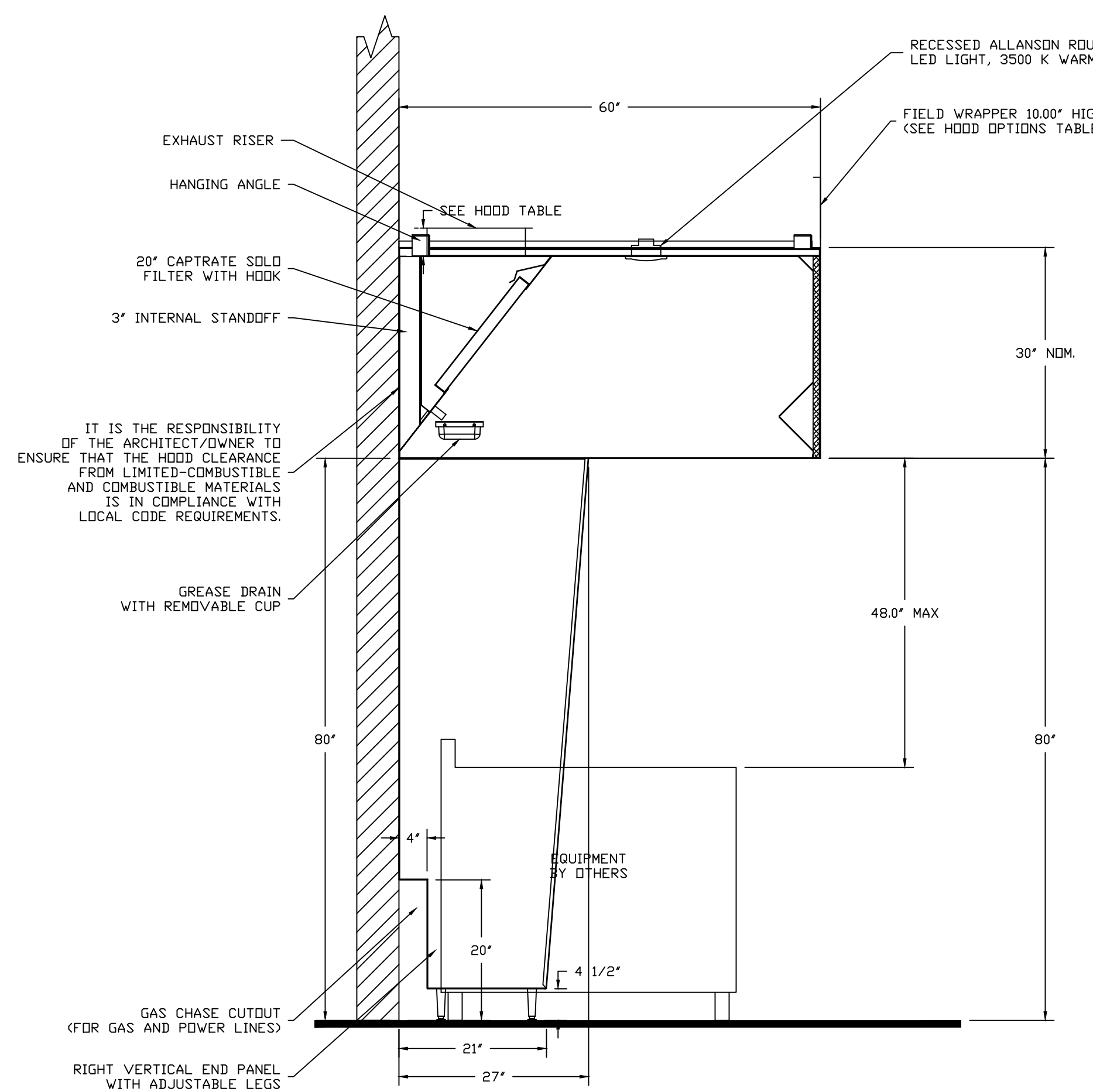
1" LAYER OF INSULATION FACTORY INSTALLED IN 100" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.

INSTALLER MUST CONFIRM HOOD IS INSTALLED SUCH THAT THE SPECIFIED WALL, ACTING AS AN END PANEL, IS MATED TIGHT TO THE CORRECT END OF HOOD TO ACHIEVE A REDUCED MINIMUM EXHAUST CFM LISTING. NON-COMPLIANCE WILL NULLIFY THE ETL LISTING, VOID THE MANUFACTURER'S WARRANTY, AND HOLD THE CONTRACTOR LIABLE FOR ANY AND ALL LOSSES, COSTS, AND EXPENSES RELATED TO THE NON-COMFORMANCE OF THE MANUFACTURER'S SPECIFIED INSTRUCTION. THE WALL ACTING AS AN END PANEL MUST EXTEND NO LESS THAN 20" FROM THE INTERSECTING WALL ON WHICH HOOD IS MOUNTED AND MUST EXTEND NO LESS THAN 20" UNDER BOTTOM OF HOOD TO BE ELIGIBLE FOR REDUCED MINIMUM EXHAUST CFM LISTING.

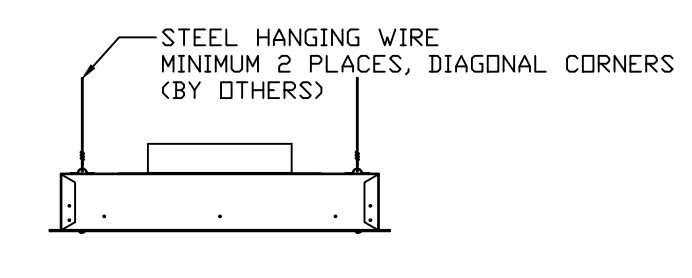
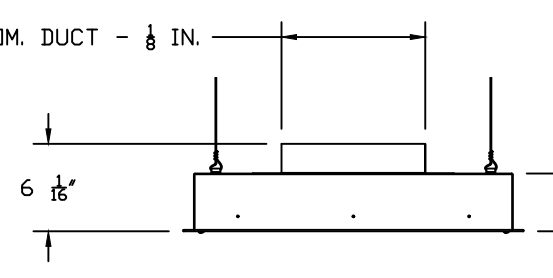
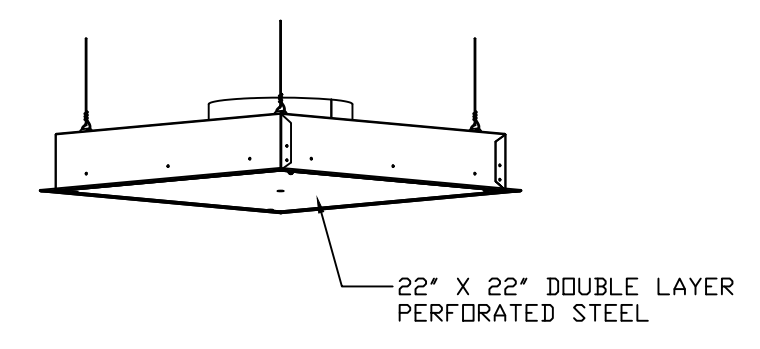
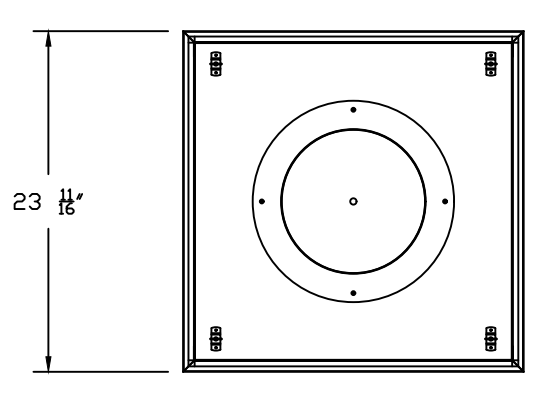


PLAN VIEW - Hood #1 (KH-1)
 10' 0.00" LONG 6030ND-2

PLAN VIEW - Hood #2 (KH-2)
 10' 0.00" LONG 6030ND-2



SECTION VIEW - MODEL 6030ND-2
 HOOD - #2 (KH-2)

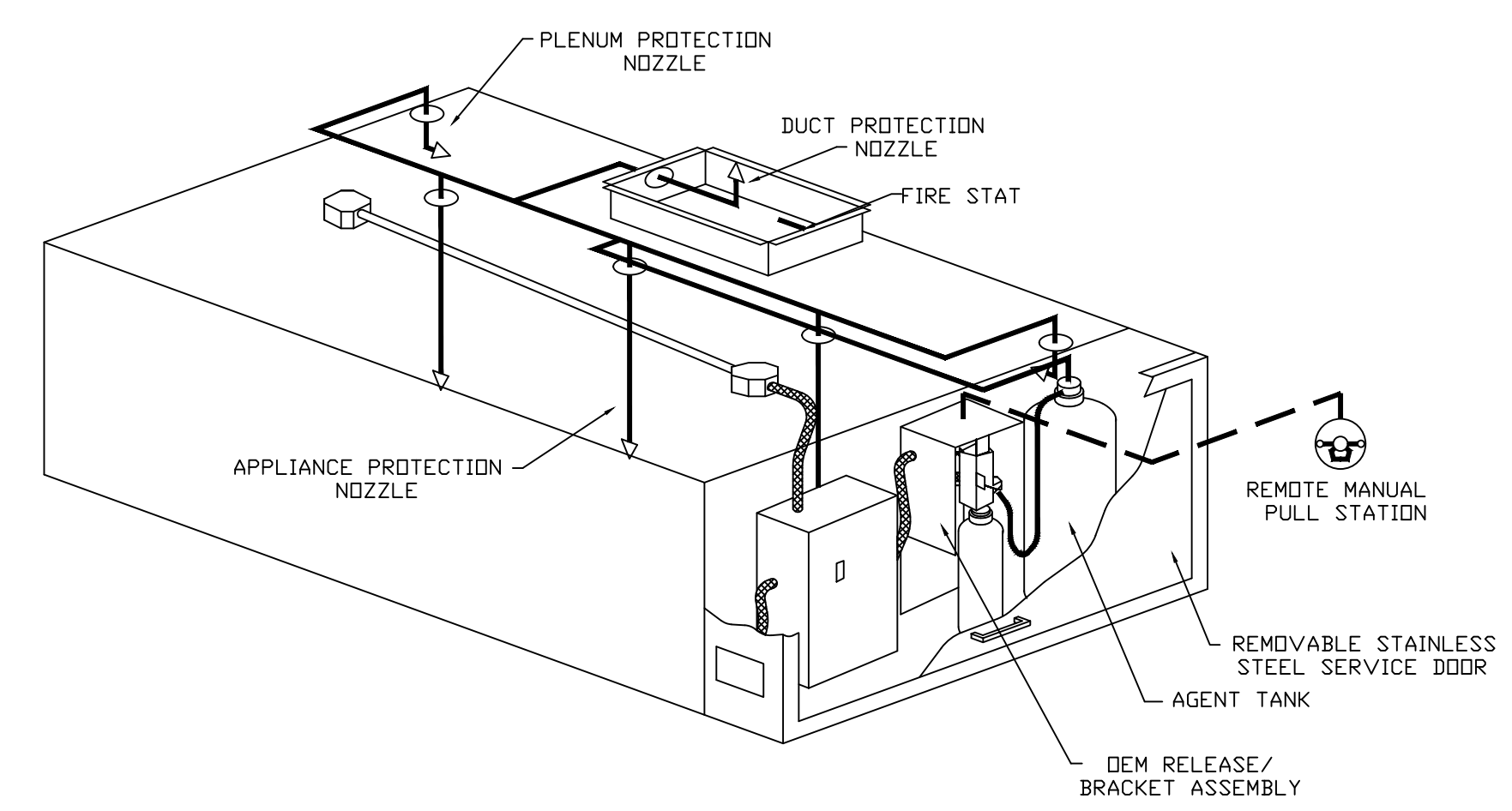


INSTALLATION NOTES:
 INTENDED FOR INSTALLATION IN LAY IN (DROP) CEILING.
 INSTALL SLIDING RADIAL DAMPER ON TOP SIDE OF COLLAR.

FEATURES:
 STAINLESS STEEL PERFORATION AND TRIM
 REMOVABLE PERFORATION FOR PLENUM CLEANING
 DOUBLE PERFORATION FOR EVEN AIR DISTRIBUTION
 1/2" THICK INSULATION ON EXTERIOR TOP AND SIDES
 APPROX. WEIGHT = 20 lbs
 TO BE USED FOR FULLY CONDITIONED AIR ONLY

VERTICAL THROW DATA (Ft)			
CFM	T150	T100	T50
600	1.25	3.00	7.75
500	0.50	2.50	6.25
400	---	1.25	4.50
300	---	---	3.75

DIFFUSER SPECIFICATION



TYPICAL ELECTRIC WET CHEMICAL

FOR QUESTIONS, CALL
 ANDREW UPPERMAN: REGIONAL MANAGER
 PHONE: (817) 953-5611
 FAX: (817) 953-5611
 EMAIL: andrew.upperman@captiveaire.com

EXHAUST FAN INFORMATION - Job#4338925

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	MOTOR ENCL.	H.P.	B.H.P.	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SDNES
1	KEF-1	DUBSHFA	1750	1.000	1359	TEAD-ECM	0.750	0.4460	1	115	8.9	554 FPM	88	15.7
2	KEF-2	DUBSHFA	1750	1.000	1359	TEAD-ECM	0.750	0.4460	1	115	8.9	554 FPM	88	15.7

DOAS/RTU FAN SCHEDULE - Job#4338925

FAN UNIT NO.	TAG	DOAS/RTU MODEL #	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	MCA	MDCP	WEIGHT (LBS.)	SDNES
3	RTU-1	CASRTU3-1.300-18-20T-DOAS	18P-3	0	3500	3500	0.350	1336	5.000	1.9980	3	208	97.6A	150A	2962	13.9

DOAS/RTU COOLING SCHEDULE

FAN UNIT NO.	TAG	COMPRESSOR			OUTDOOR FAN				INDOOR COIL		OUTSIDE AIR DB TEMP.	OUTSIDE AIR WB TEMP.	MIXED AIR DB TEMP.	MIXED AIR WB TEMP.	LEAVING DB TEMP.	LEAVING WB TEMP.	LEAVING DP TEMP.	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	REHEAT LEAVING DB TEMP.	REHEAT LEAVING WB TEMP.	DESIRED REHEAT CAPACITY	MAX REHEAT CAPACITY	REHEAT LEAVING RELATIVE HUMIDITY	MOISTURE REMOVAL RATE	IEER
		TONNAGE	VOLTAGE	Ø	MOTOR VOLTAGE	MOTOR Ø	MOTOR FREQUENCY	MOTOR QTY	ROWS	FACE AREA																	
3	RTU-1	20	190-240	3	200-240	3	60	3	7	11.9 SQFT.	105.0°F	79.0°F	105.0°F	79.0°F	61.2°F	56.5°F	53.4°F	264.0 MBH	154.9 MBH	109.1 MBH	70.0°F	60.3°F	33.5 MBH	129.6 MBH	57	98.8 LBS/HR	18.2

DOAS/RTU HEATING SCHEDULE

FAN UNIT NO.	TAG	INPUT BTUS	OUTPUT BTUS	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
3	RTU-1	272431	217945	54 deg F	7 in. w.c. - 14 in. w.c.	Natural	80

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	KEF-1	1 - Grease Box 1 - ECM Wiring Package - PWM Signal from ECPM03 Prewire (TELCO Motor), CCW Rotation
2	KEF-2	1 - Grease Box 1 - ECM Wiring Package - PWM Signal from ECPM03 Prewire (TELCO Motor), CCW Rotation
3	RTU-1	1 - Single Point Electrical Connection for RTU. QNTY 1 750va Transformer Used. If a Non-DCV Prewire controls this unit, the #28, #47, #1A, or #12 Option Prewire must be selected. Do not provide supply starter in prewire.
		1 - RTU Size 3 Down Discharge
		1 - 2" MERV 13 Filters For Size 3 RTU. Qty 4.
		1 - 2" MERV 8 Filters For Size 3 RTU. Qty 4.
		1 - Overheat Stat
		1 - 20 Ton Modulating Cooling Option, 208/230V. R410A Refrigerant, Variable Speed Compressor, ECM Condensing Fan(s).
		1 - RTU Fixed 100% DA Intake Control
		1 - RTU Size 3 No Return
		1 - Inlet Pressure Gauge, 0-35"
		1 - Manifold Pressure Gauge, 0 to 10" w.c., 1 Furnace
1 - Commercial Smoke Detector/Alarm Interlock (Supplied by Others)		
1 - 20 Ton Modulating Reheat Option. Discharge Relative Humidity Control.		
1 - Size 3 RTU Curb Duct Hanger		
1 - Clogged Filter Switch with notification on HMI		
1 - Size 3 RTU Convenience Outlet (GFCI), 15 amp - Requires Separate 120V Connection. Includes receptacle, cover and J box.		
1 - RTU 3 Hall Guard		
1 - Unit Mounted VFD configured for DCV		

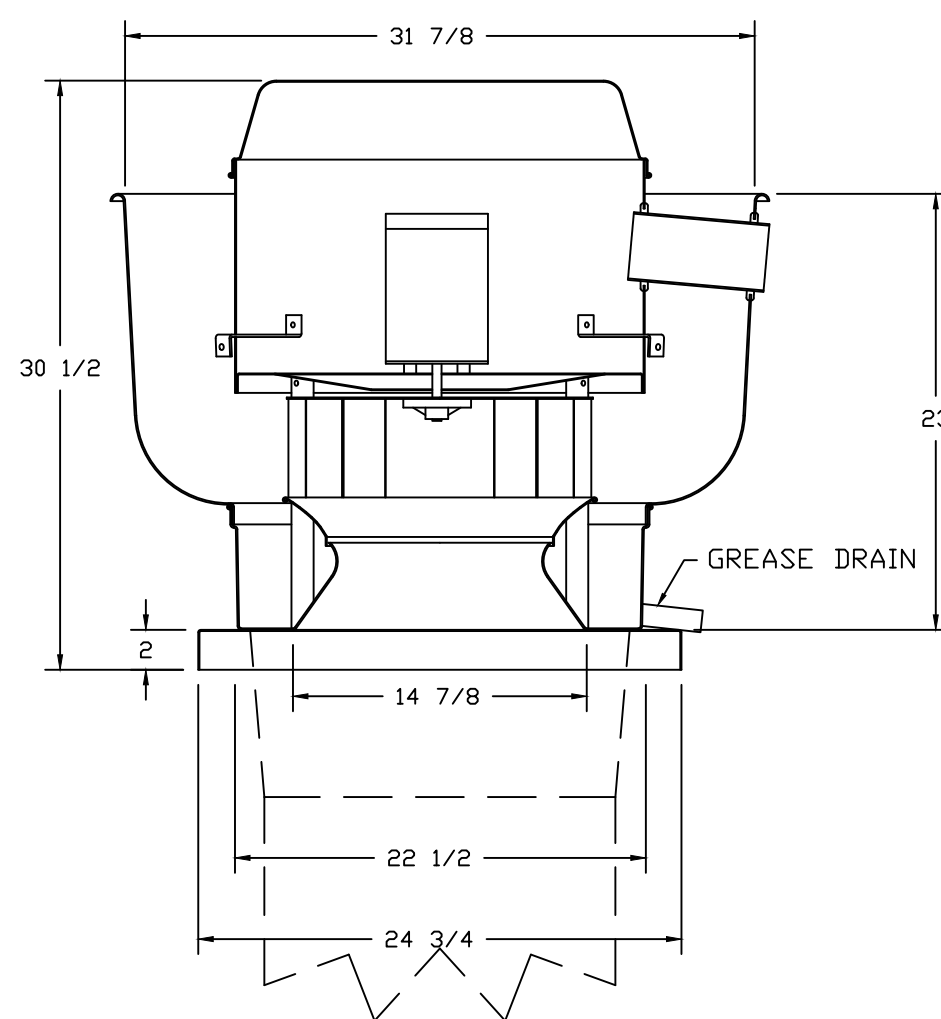
FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST				SUPPLY		
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	KEF-2	YES						

CURB ASSEMBLIES

NO.	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	36 LBS	Curb	23.000"W x 23.000"L x 20.000"H Vented Hinged
2	# 2	KEF-2	36 LBS	Curb	23.000"W x 23.000"L x 20.000"H Vented Hinged
3	# 3	RTU-1	74 LBS	Curb	59.500"W x 91.000"L x 14.000"H Insulated

FANS #1 (KEF-1), #2 (KEF-2) - DUBSHFA EXHAUST FAN



FEATURES:

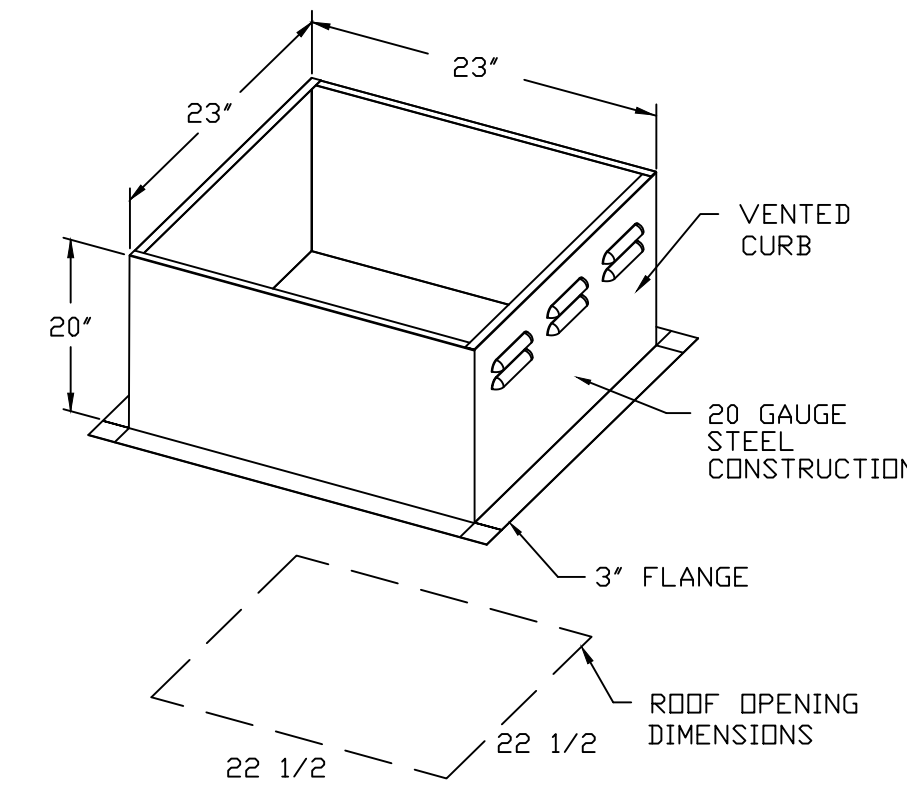
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-5645
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

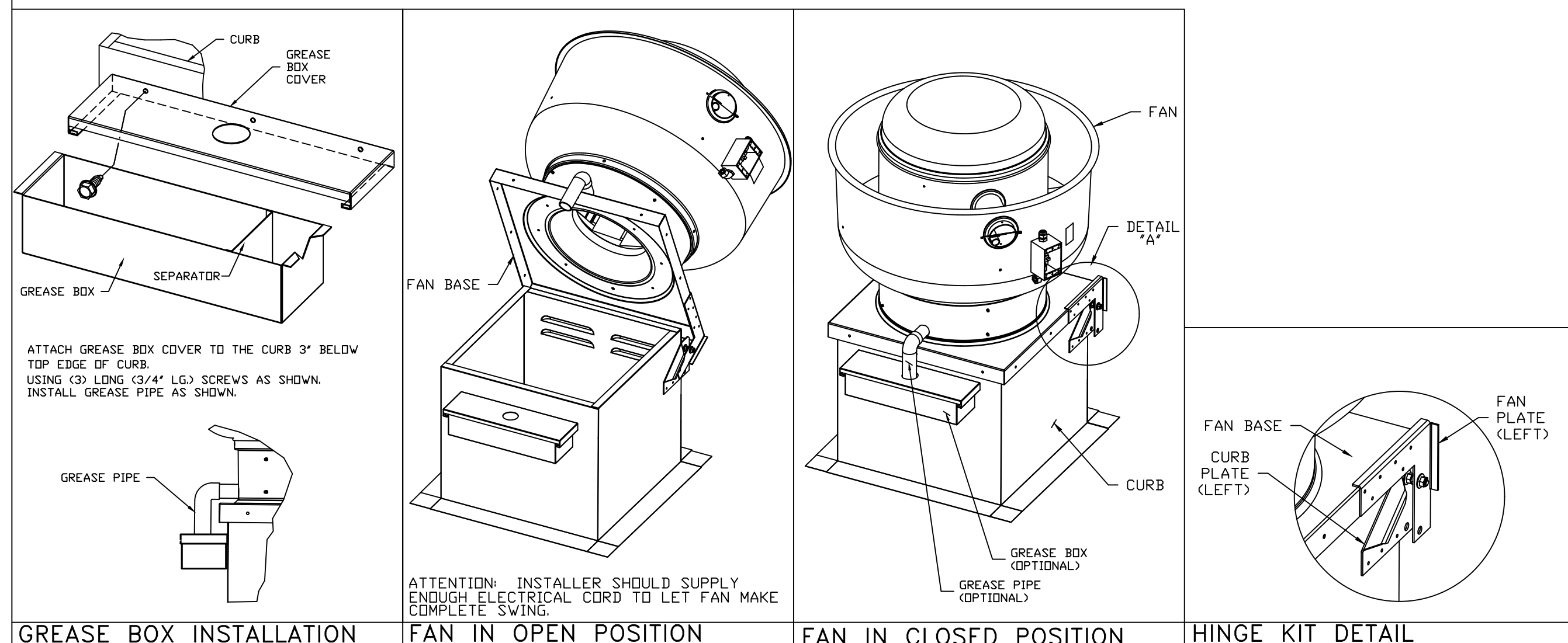
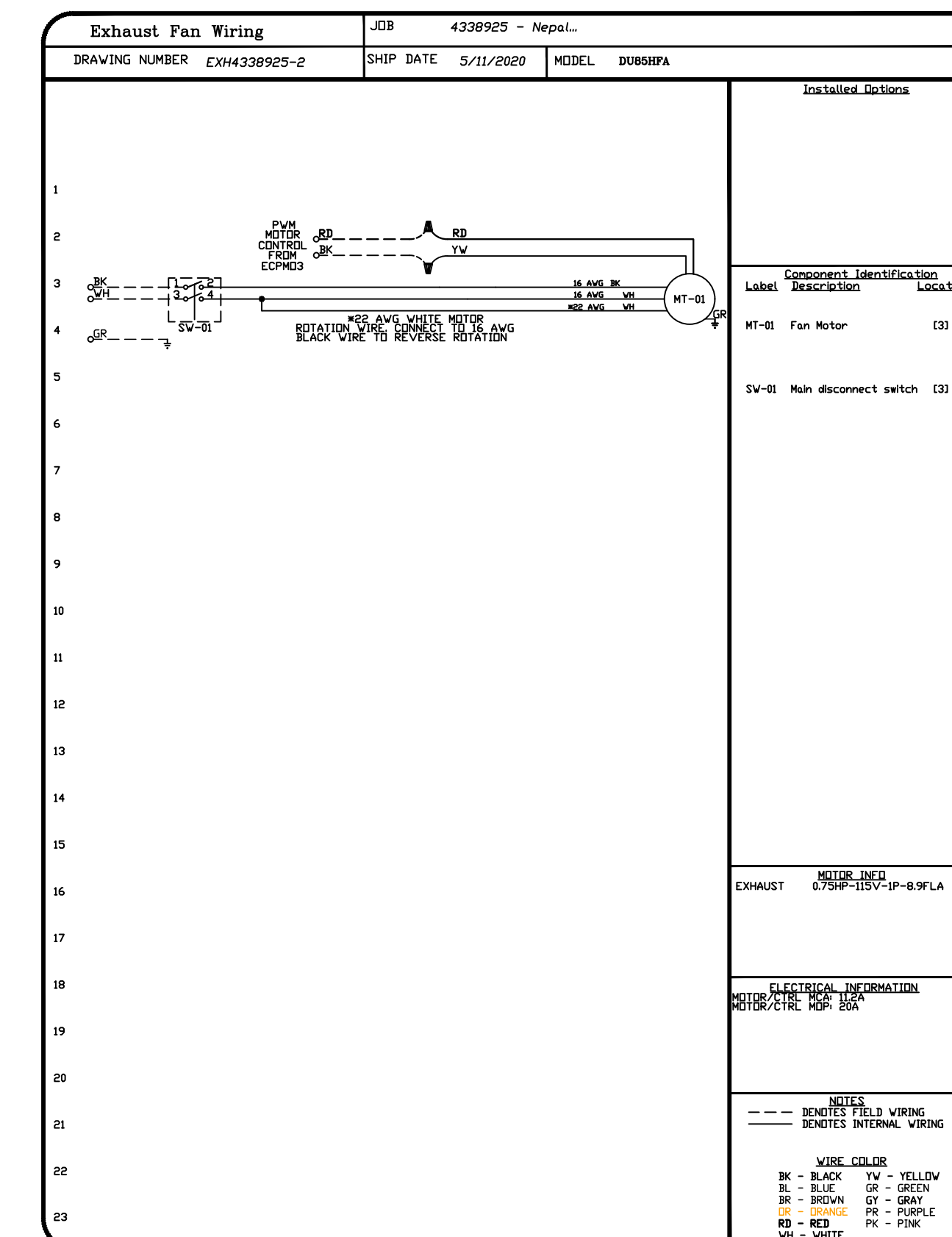
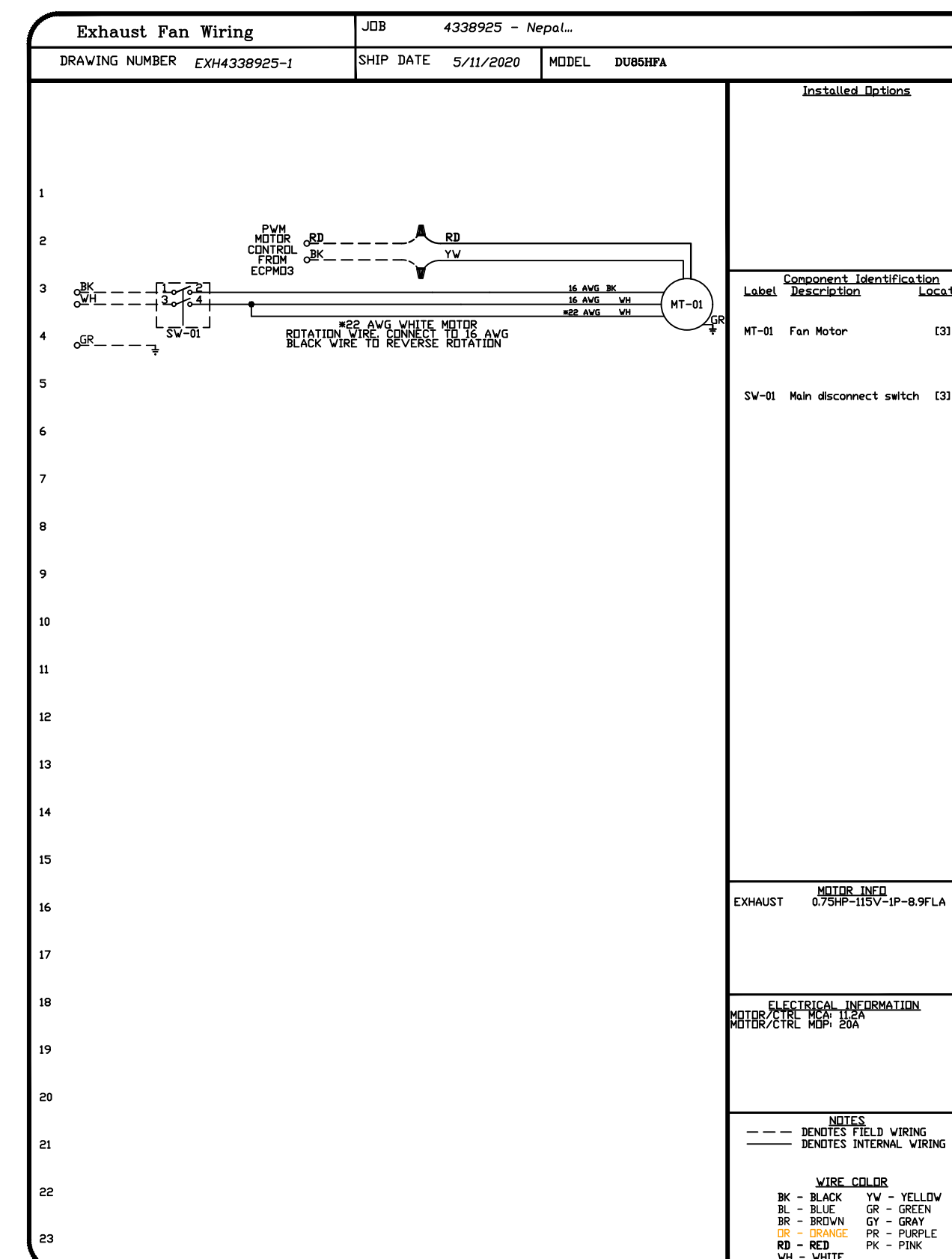
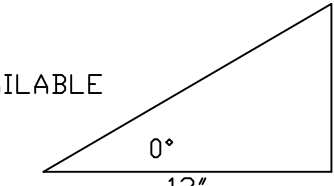
OPTIONS

GREASE BOX.
ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

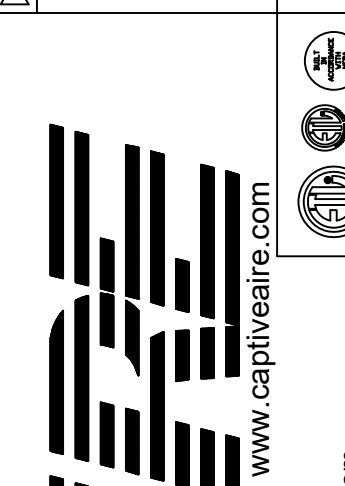
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



FOR QUESTIONS, CALL
ANDREW UPPERMAN: REGIONAL MANAGER
PHONE: (817) 953-5611
FAX: (817) 953-5611
EMAIL: andrew.upperman@captiveaire.com

REVISIONS

DESCRIPTION	DATE:



CAPTIVE AIR
Dallas/Ft. Worth Mechanical
PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg137@captiveaire.com

Nepali Mandir Community Center
1212 Royal Parkway,
EULESS, TX, 76040

DATE: 5/11/2020

DWG #: 4338925

DRAWN BY: msketchly

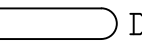
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MASTER DRAWING

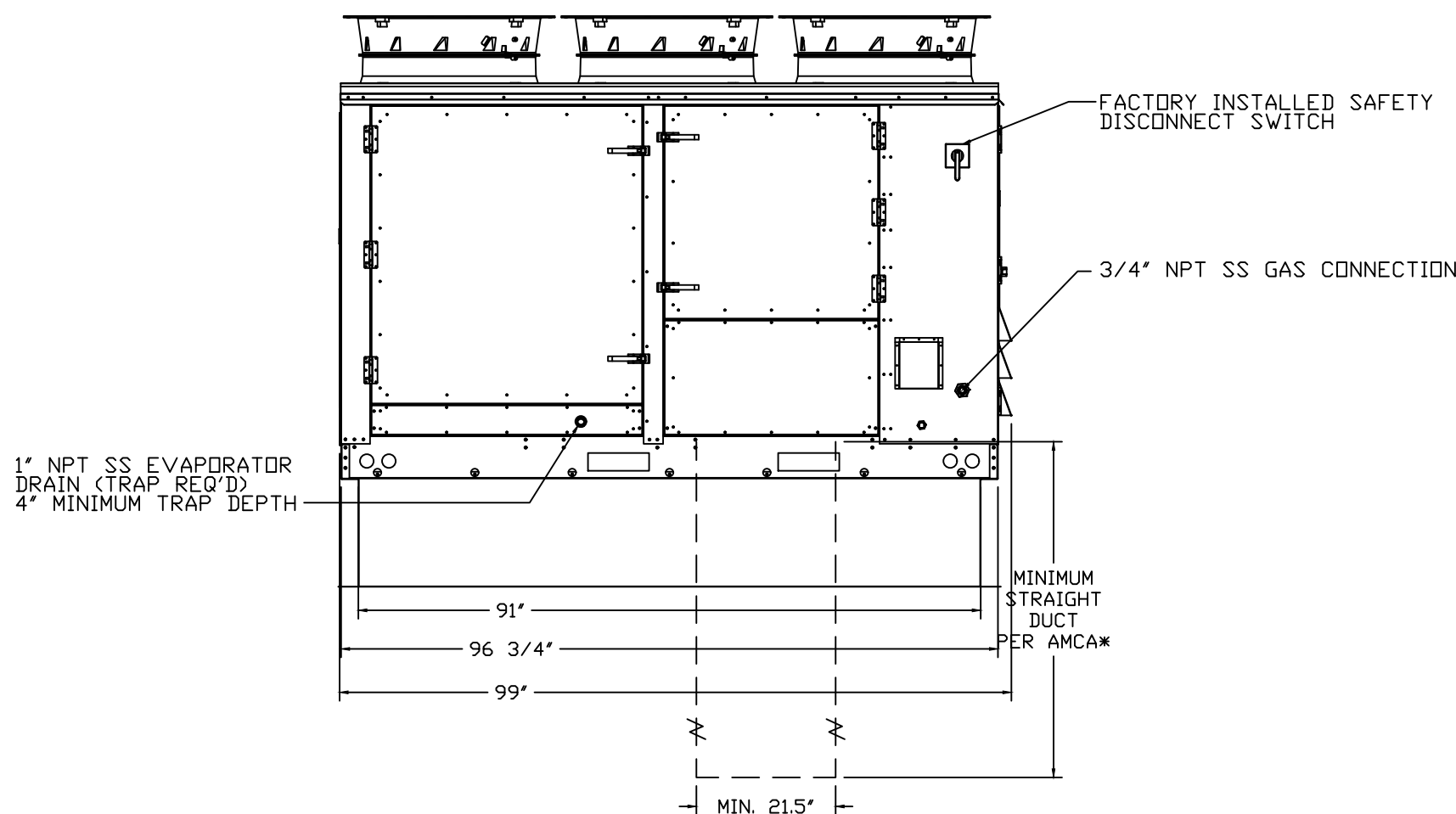
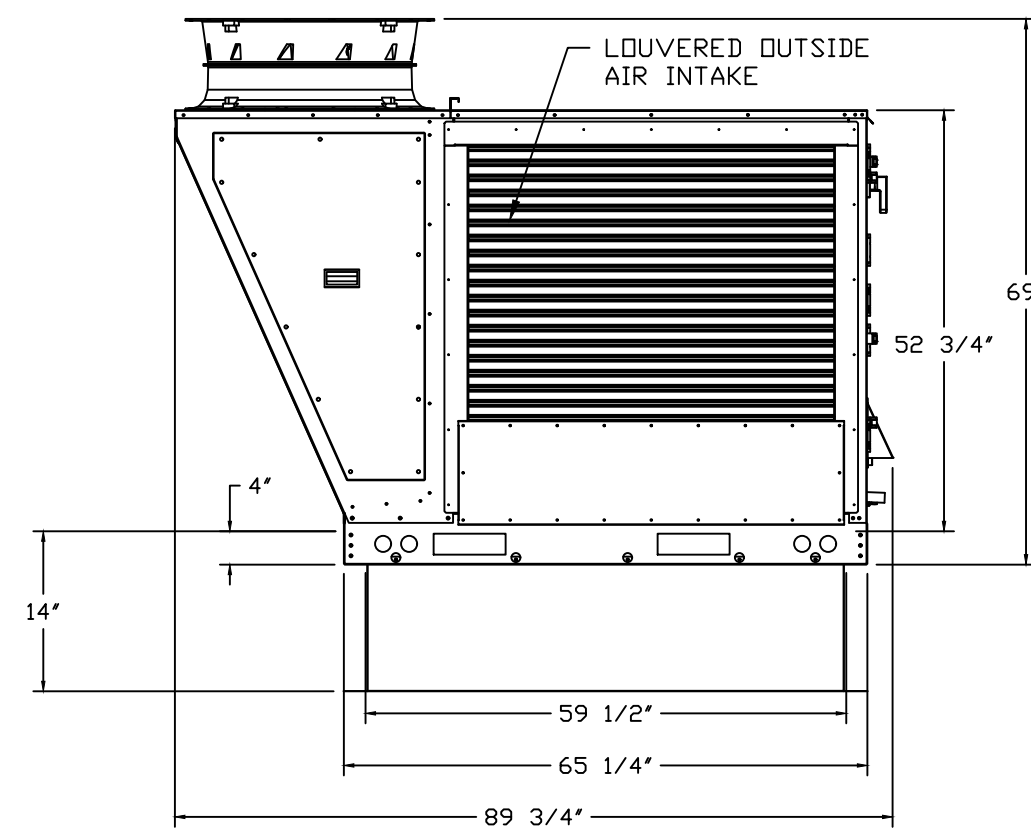
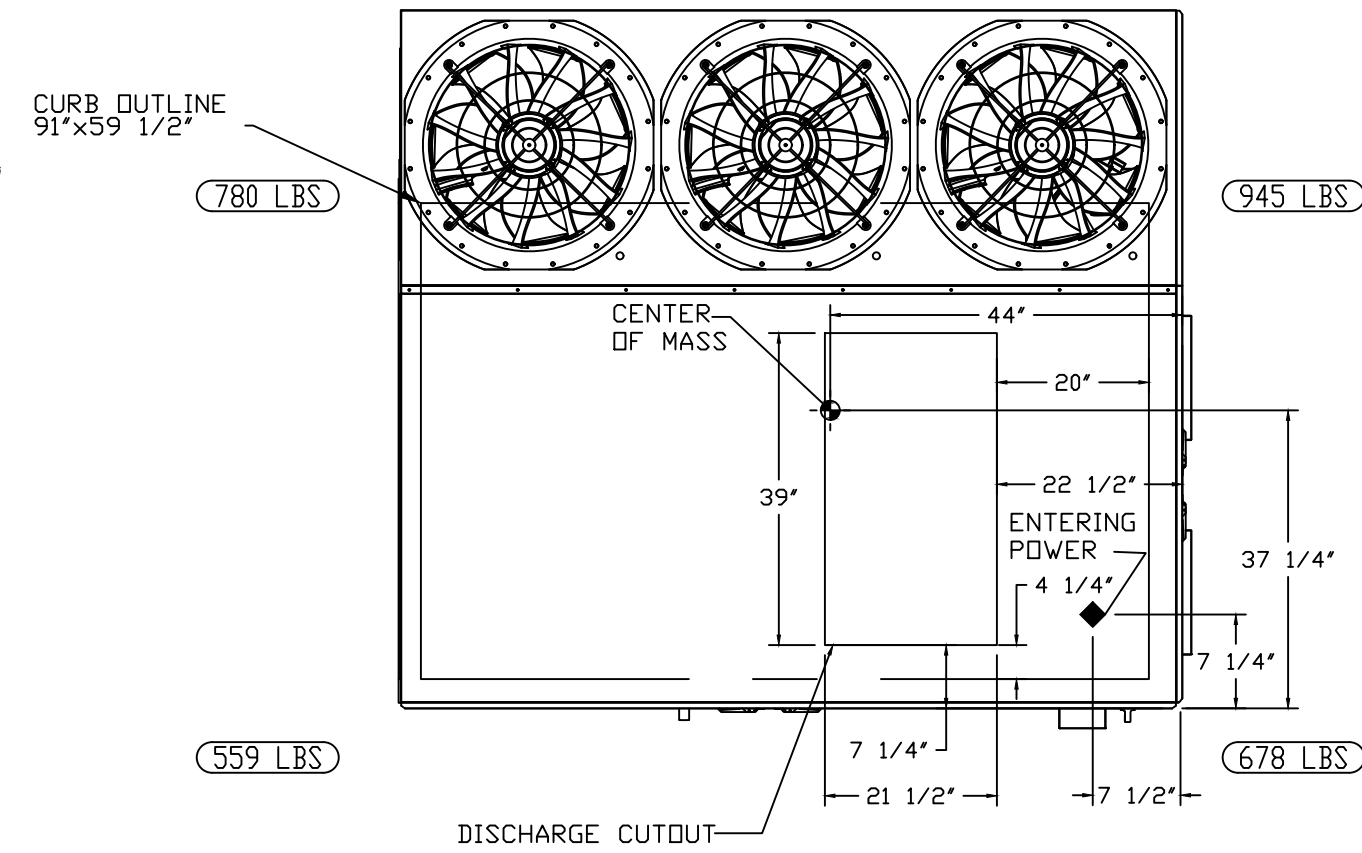
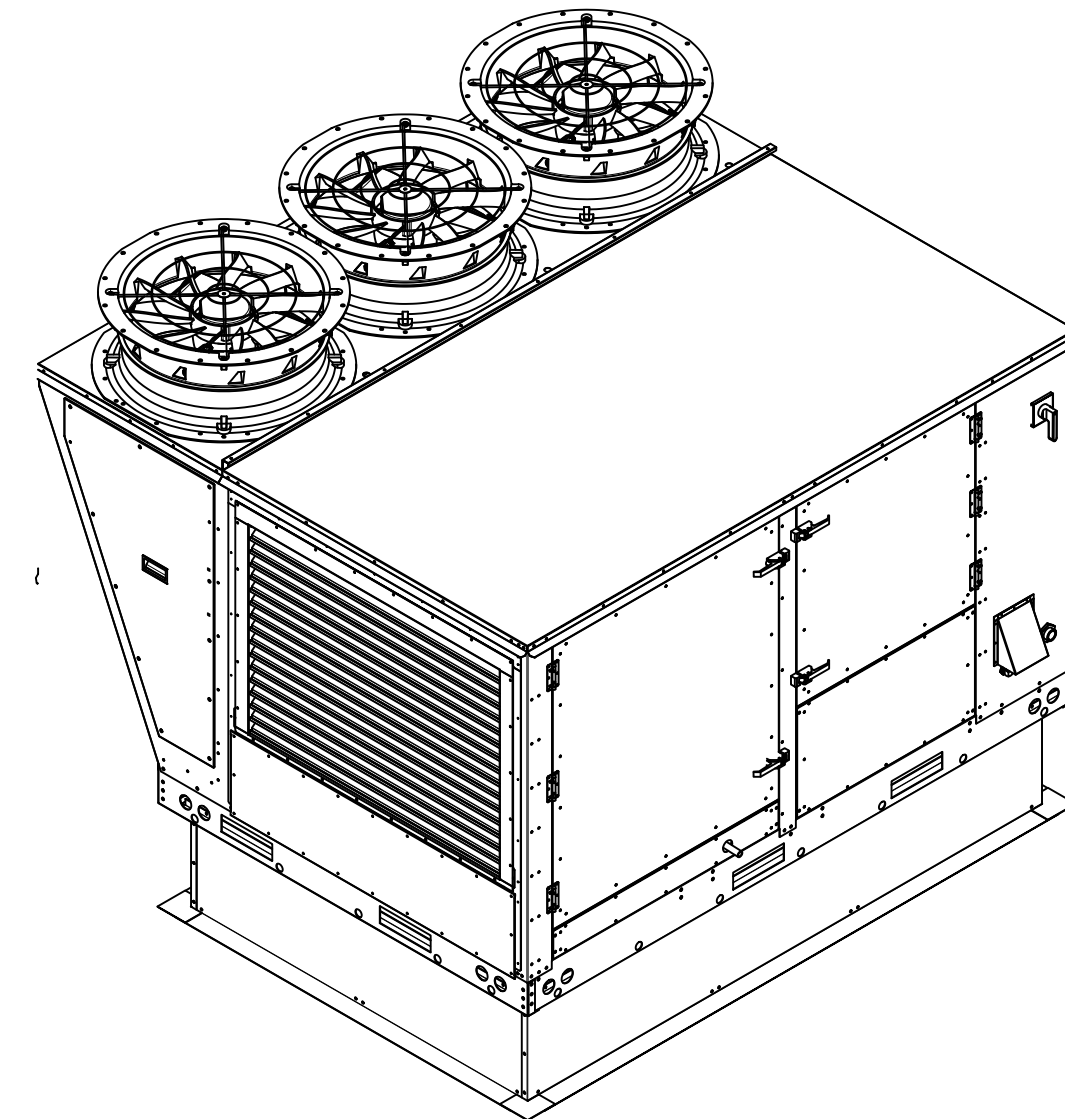
SHEET NO. 3

FAN #3 CASRTU3-1.300-18-20T-DDAS - HEATER (RTU-1)

NOTES:

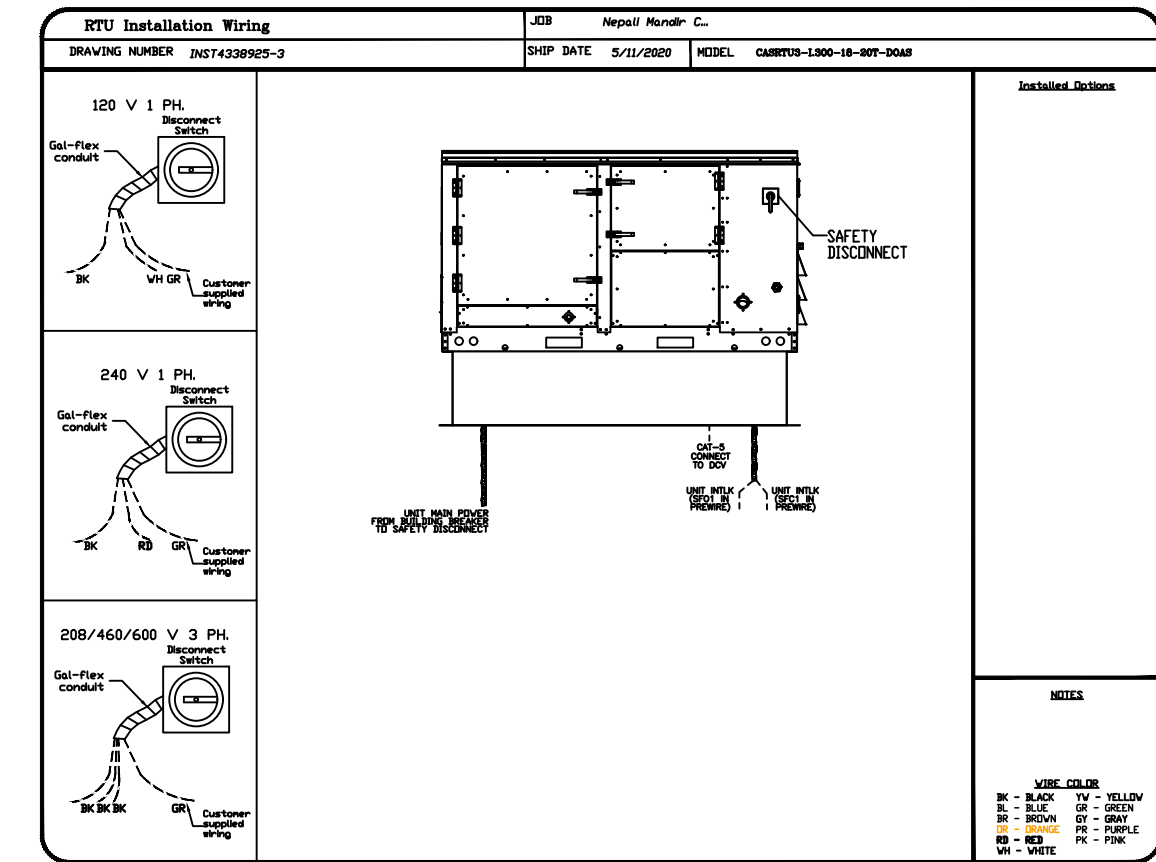
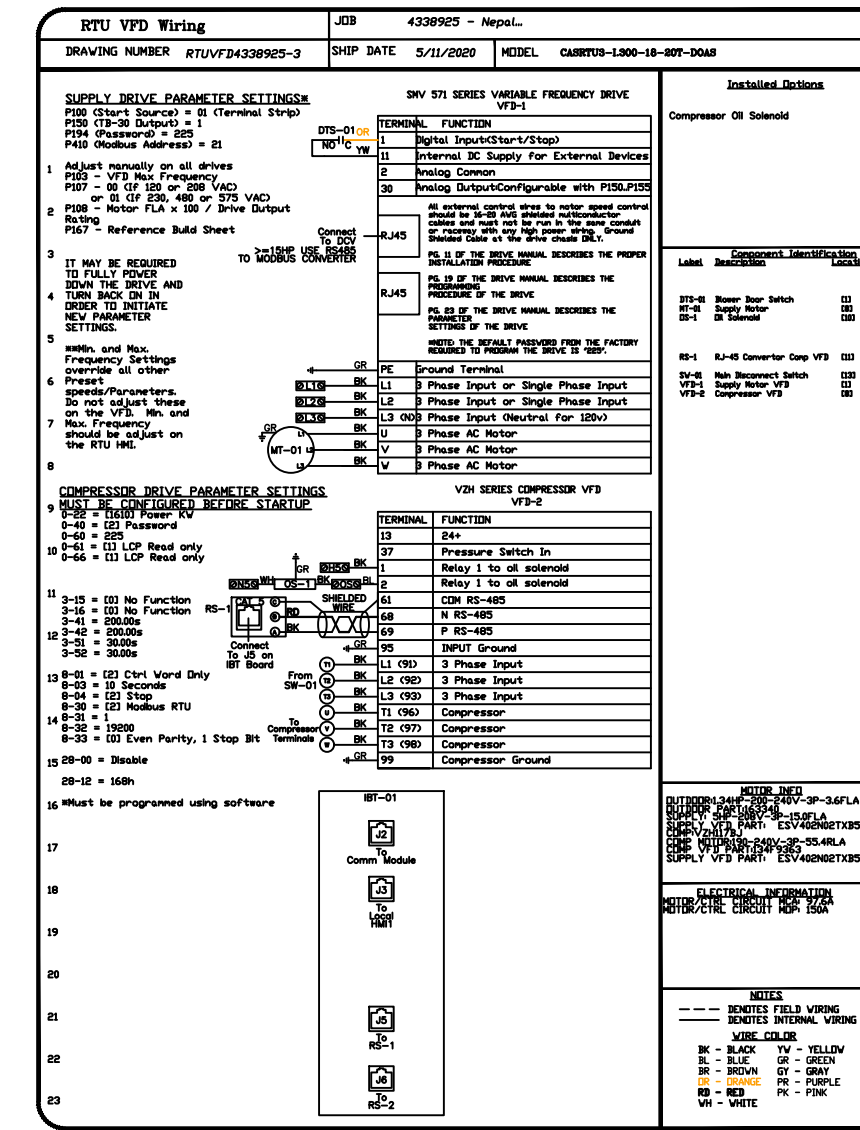
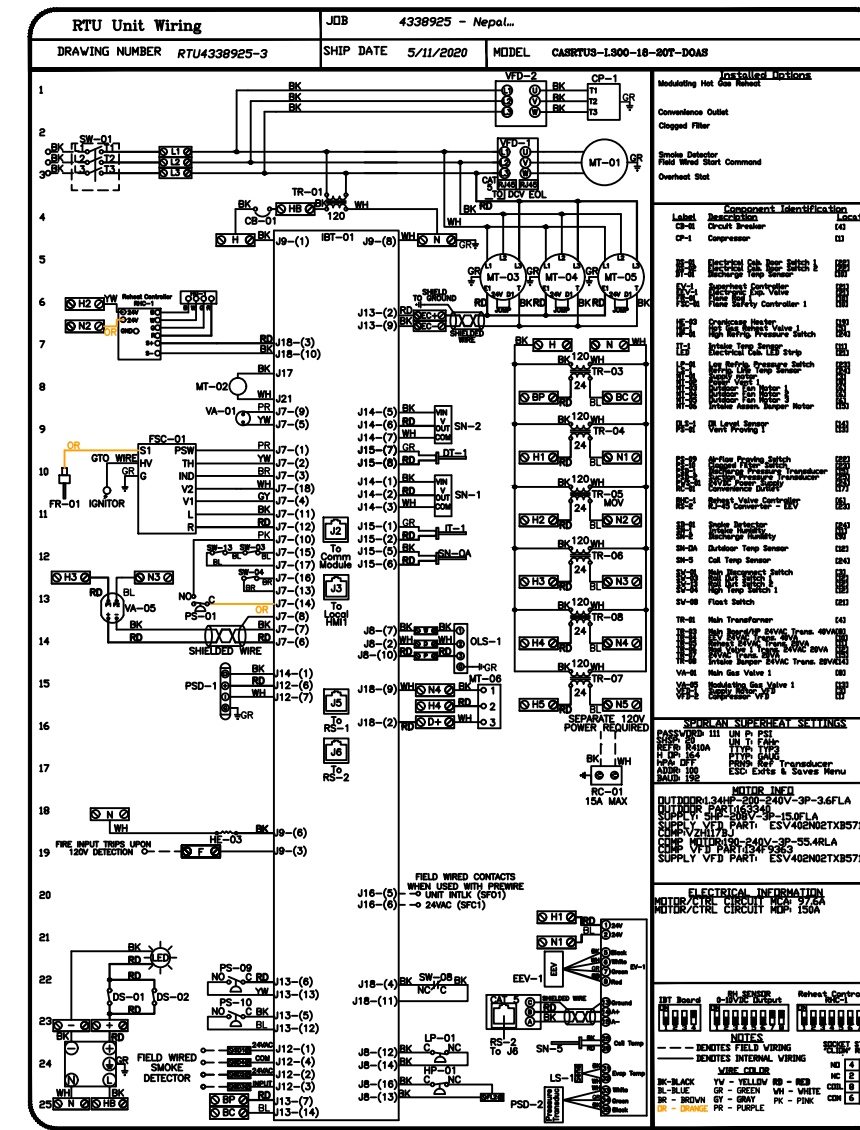
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
-  DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 21.5" x 39"



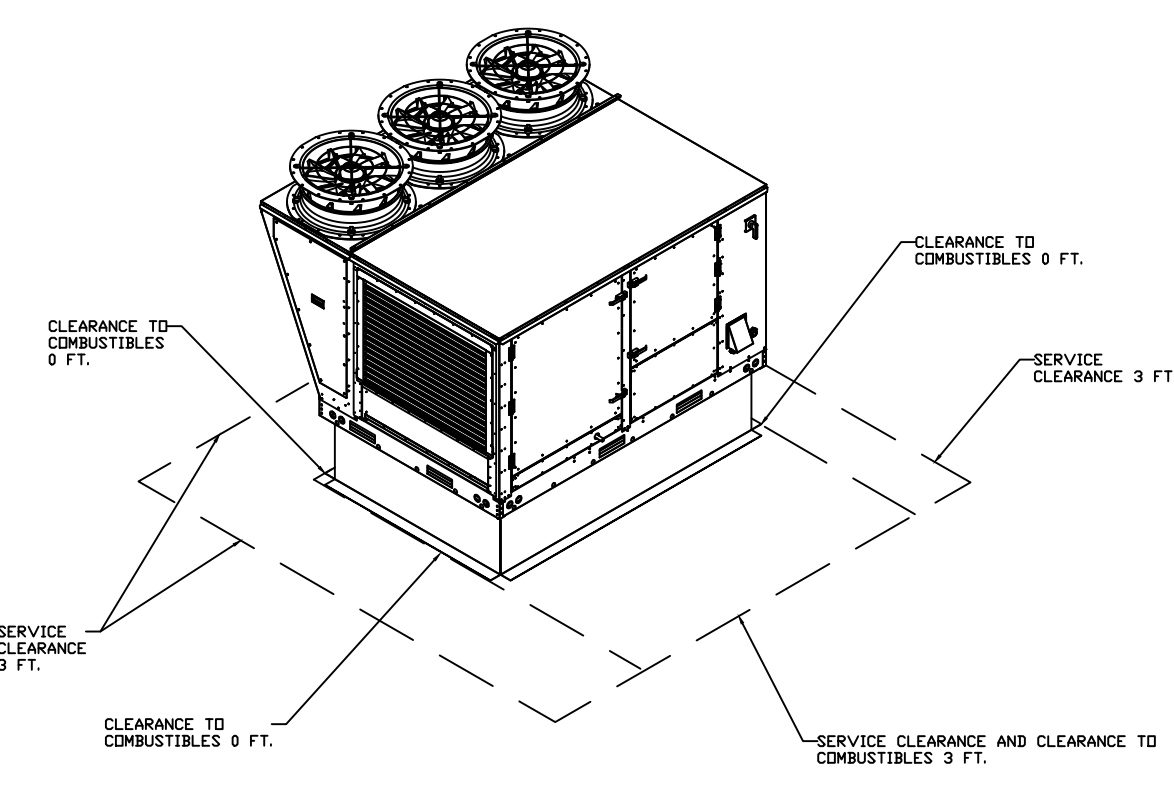
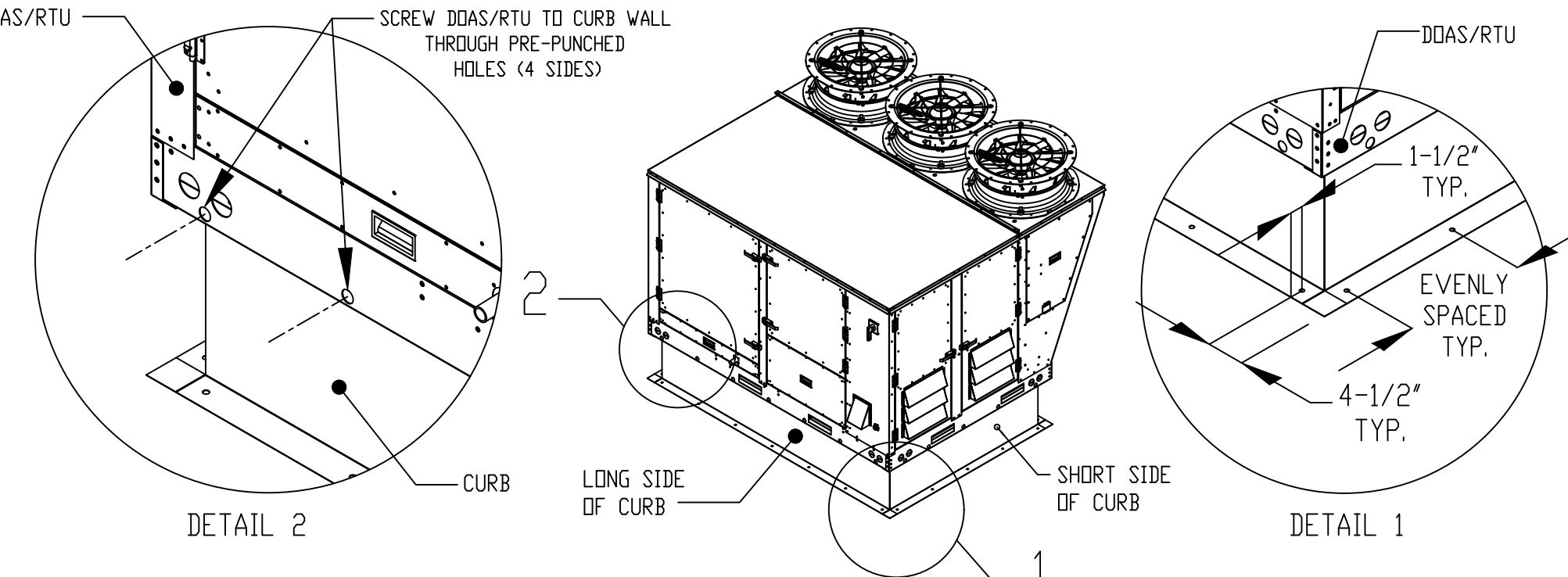
OPTIONS

- SINGLE POINT ELECTRICAL CONNECTION FOR RTU. QNTY 1 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" OPTION PREWIRE MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTER IN PREWIRE.
- RTU SIZE 3 DOWN DISCHARGE
- 2" MERV 13 FILTERS FOR SIZE 3 RTU. QTY 4.
- 2" MERV 8 FILTERS FOR SIZE 3 RTU. QTY 4.
- OVERHEAT STAT
- 20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FAN(S).
- RTU FIXED 100% DA INTAKE CONTROL
- RTU SIZE 3 NO RETURN
- INLET PRESSURE GAUGE, 0-35"
- MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
- COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK (SUPPLIED BY OTHERS)
- 20 TON MODULATING REHEAT OPTION. DISCHARGE RELATIVE HUMIDITY CONTROL.
- SIZE 3 RTU CURB DUCT HANGER
- CLOGGED FILTER SWITCH WITH NOTIFICATION ON HMI
- SIZE 3 RTU CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J BOX.
- RTU 3 HAIL GUARD
- UNIT MOUNTED VFD CONFIGURED FOR DCV



TYPICAL DDAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

- Secure the curb to the roof framing members by drilling 1/4" pilot holes in the curb flanges at locations shown in the diagram below. Using 3/8" x 2" zinc plated steel lag bolts, and zinc plated washers, screw through the curb flanges and into the roof framing members. A minimum of (5) lag bolts on each short side, and (7) lag bolts on each long side is required.
- Secure the unit base to the side walls of the curb using (24) 1/4"-14 x 2" self-drilling, steel zinc plated screws. Pre-punched holes have been provided for each screw location.



REVISIONS	
DESCRIPTION	DATE:



Nepali Mandir Community Center
1212 Royal Parkway,
EULESS, TX, 76040

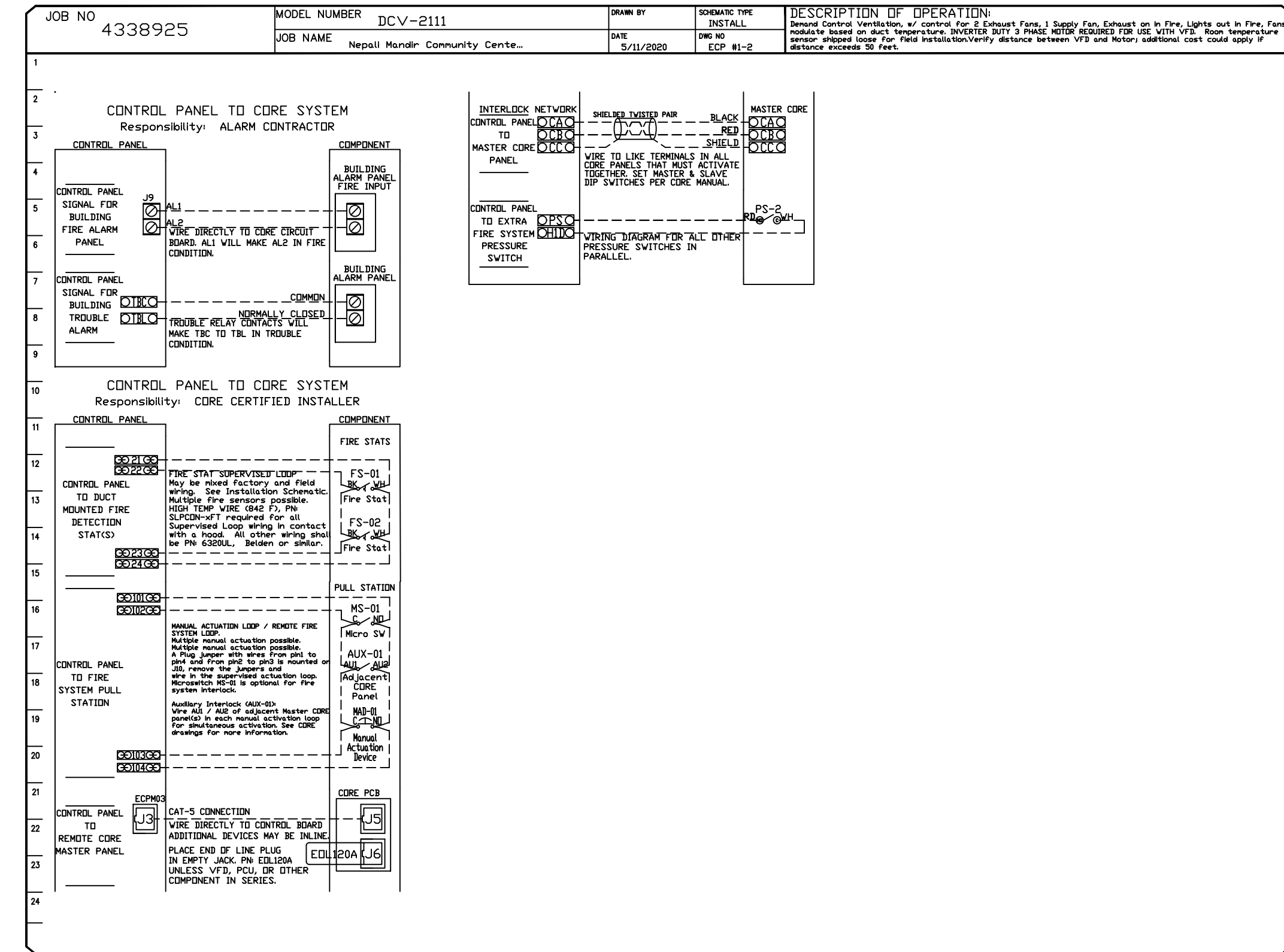
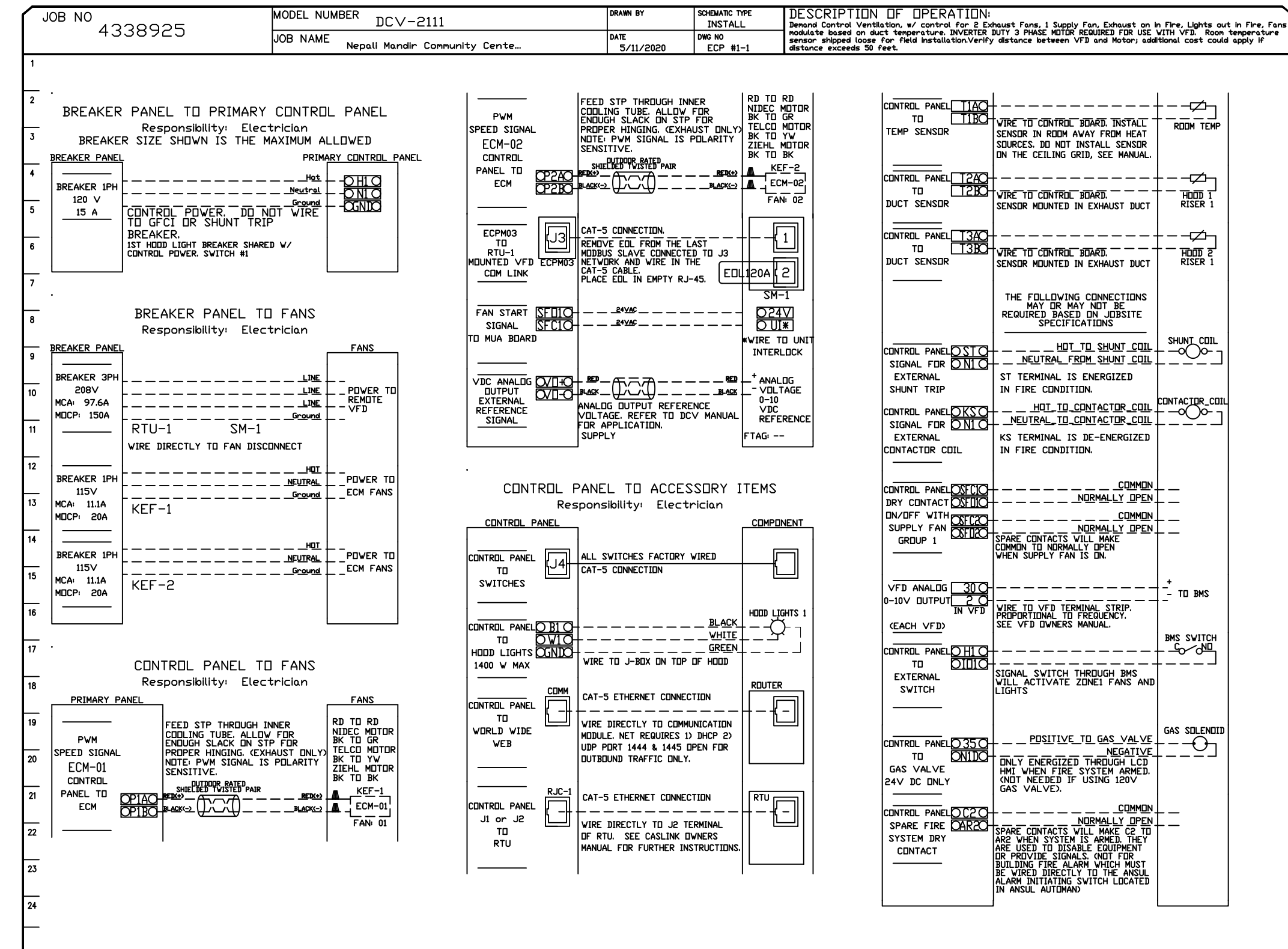
DATE: 5/11/2020
DWG #: 4338925
DRAWN BY: mskertchly
SCALE: 1/2" = 1'-0"
MASTER DRAWING

FOR QUESTIONS, CALL
ANDREW UPPERMANN REGIONAL MANAGER
PHONE: (817) 953-5611
FAX: (817) 953-5611
EMAIL: andrew.uppermann@captiveaire.com

SHEET NO. 4

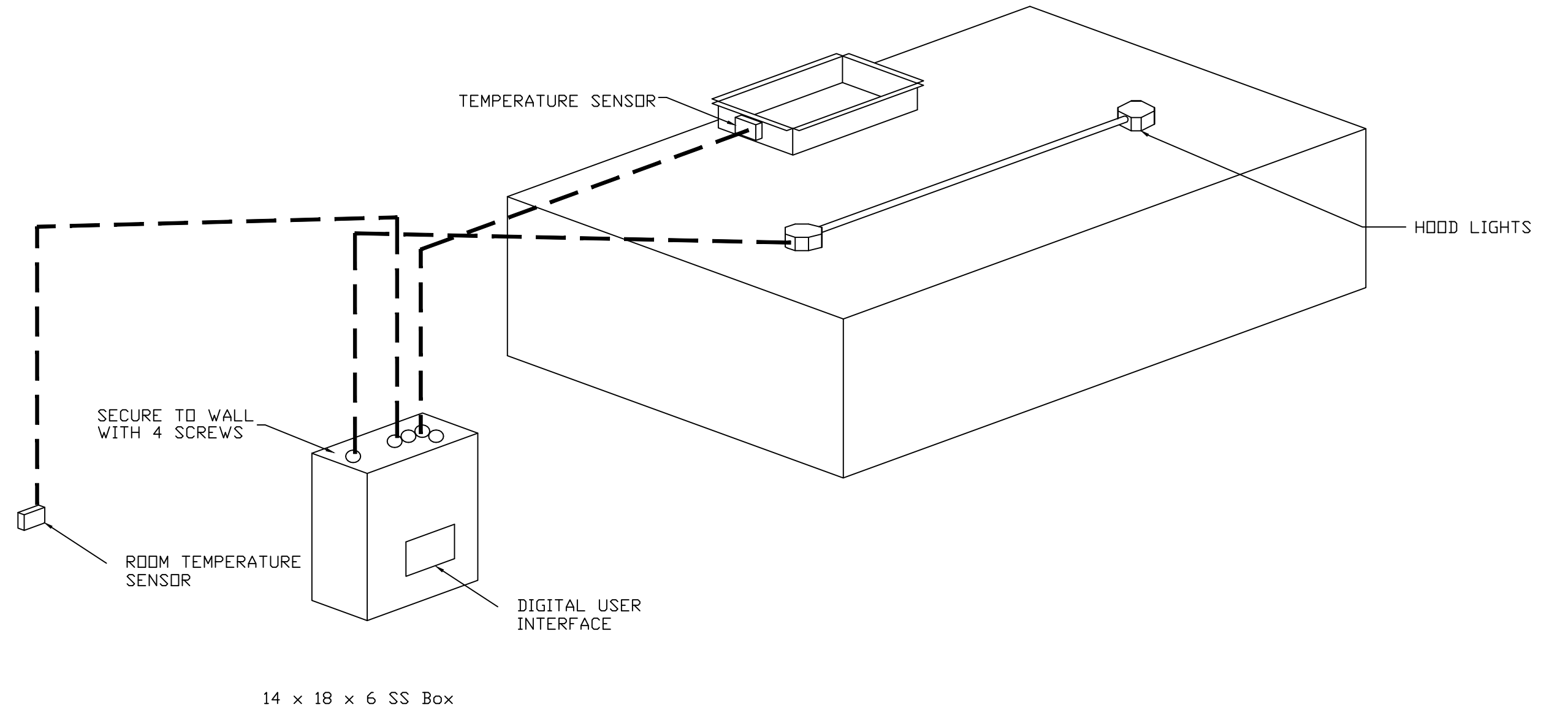
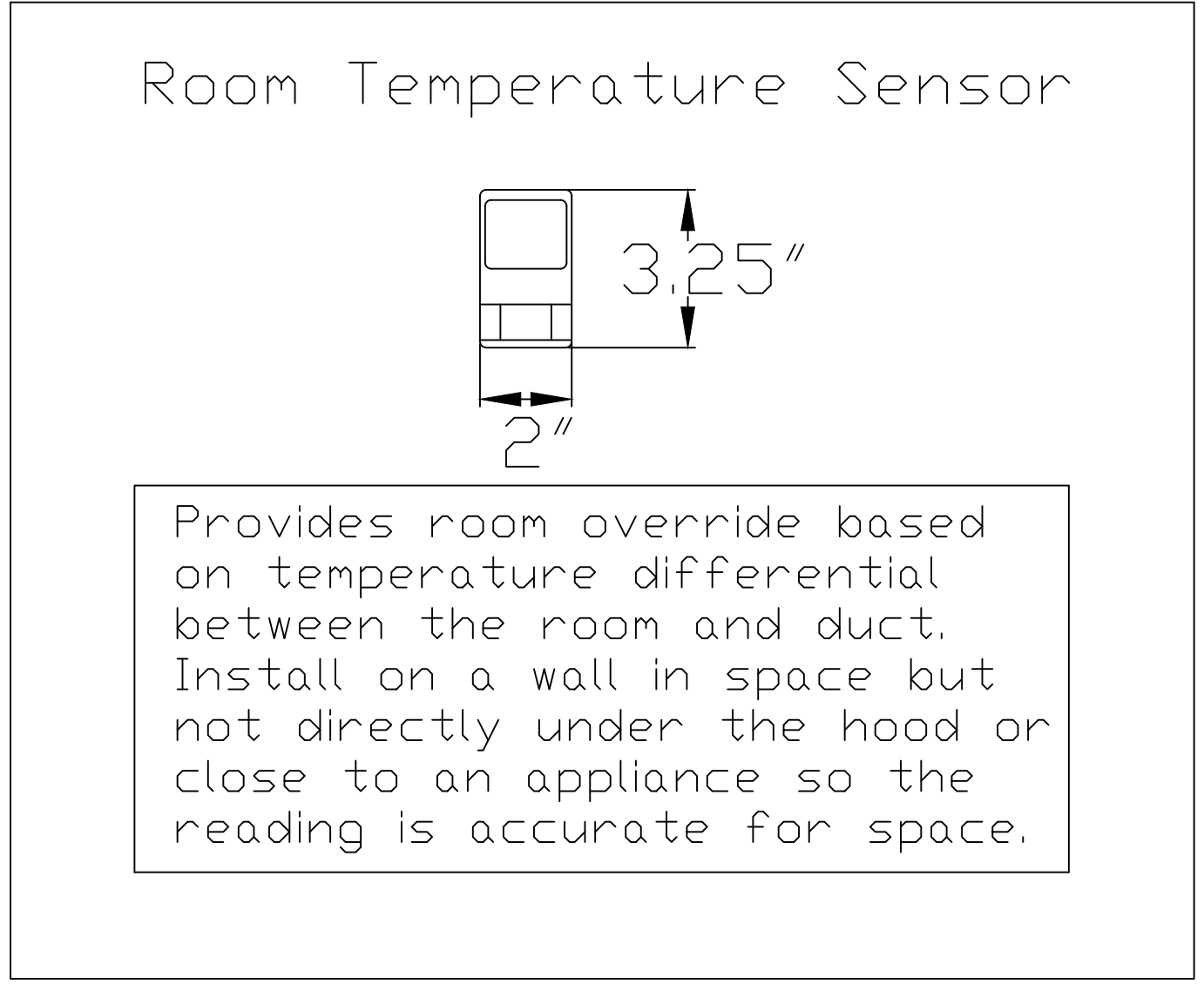
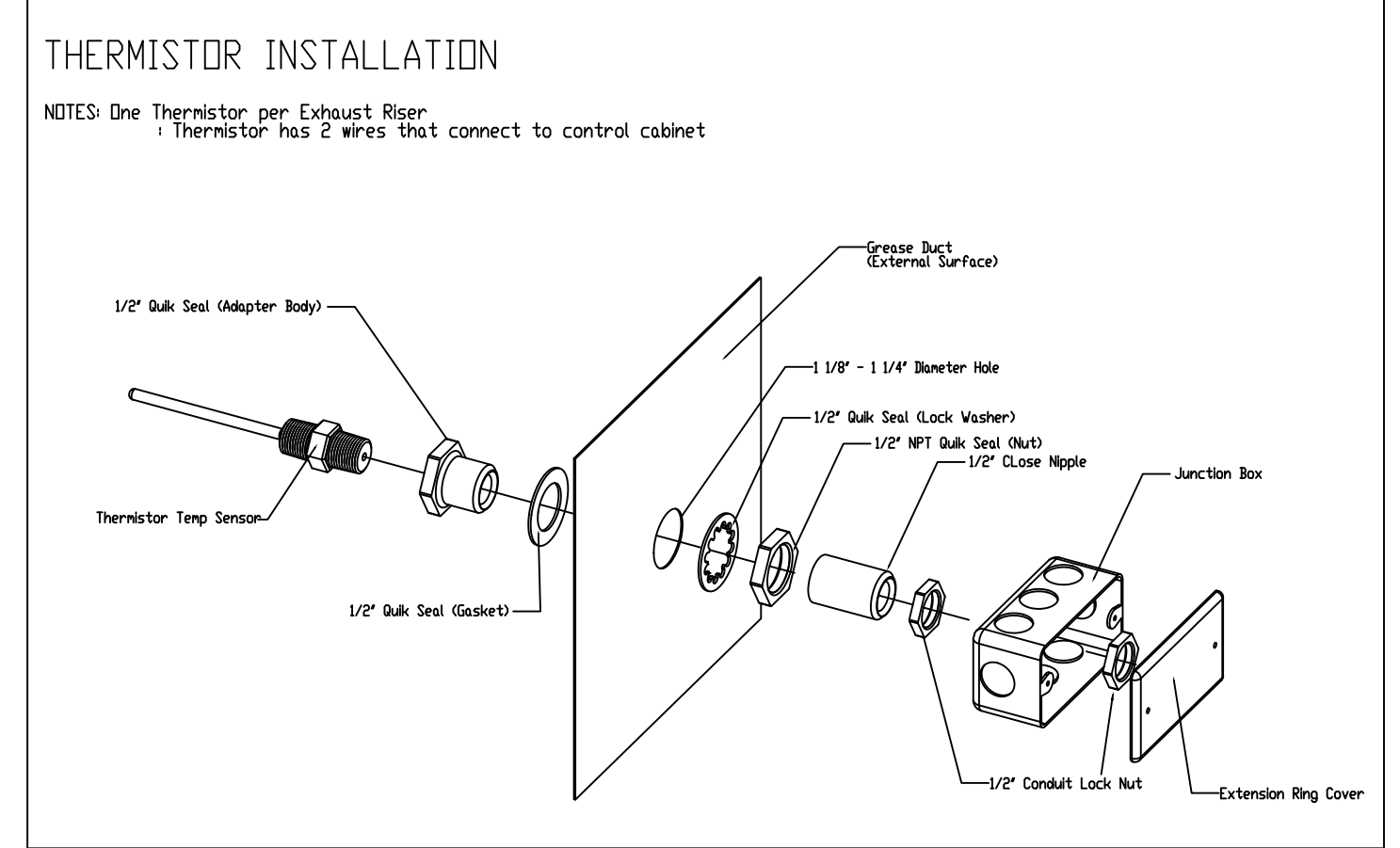
ELECTRICAL PACKAGE - Job#4338925

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	H.P.	VOLT	FLA
1	CP-1,2	DCV-2111	Wall Mount In SS Box	05 - SS Wall Mount Box	1 Light	Smart Controls DCV	KEF-1	Exhaust	1	0.750	115	8.9
					1 Fan		KEF-2	Exhaust	1	0.750	115	8.9
							RTU-1	Supply	3	5.000	208	15.0

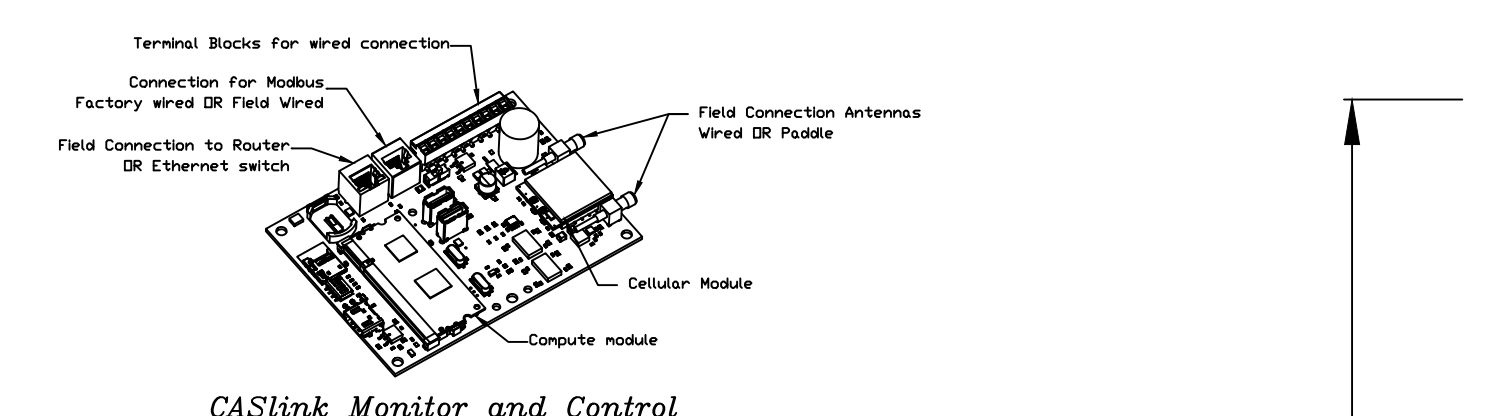


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 ANDREW UPPERMAN- REGIONAL MANAGER
 PHONE: (817) 953-5611
 FAX: (817) 953-5611
 EMAIL: andrew.upperman@captiveaire.com

IT IS THE RESPONSIBILITY OF THE EC TO MAKE ALL FIELD CONNECTIONS INTO AND OUT OF THE CAPTIVEAIRE CONTROL PANEL INCLUDING BUT NOT LIMITED TO LOW VOLTAGE, CAT 5, 24V WIRES TO ALL TEMP SENSORS, INCLUDING THE ROOM TEMP SENSOR, MOTOR LINE VOLTAGE POWER FEEDS, AND CONTROL WIRING. REFER TO WIRING SCHEMATICS ON THIS PAGE AND POSTED INSIDE OF THE CONTROL CABINET.

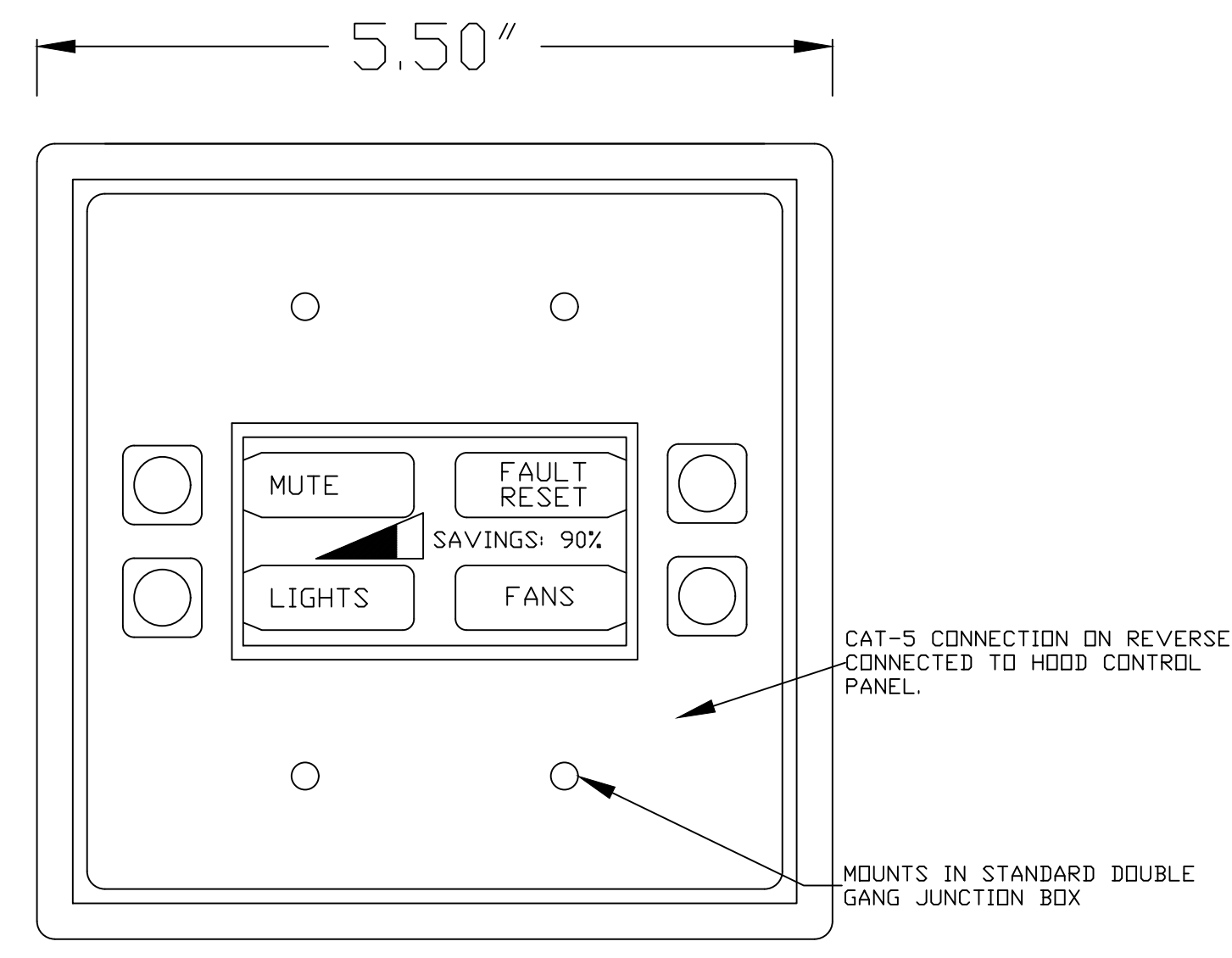


WALL MOUNTED CONTROL CENTER



CASlink Monitor and Control

- Hood control panel to support communications to cloud-based Building Management System
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list
- Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.



REVISIONS

NO.	DESCRIPTION	DATE

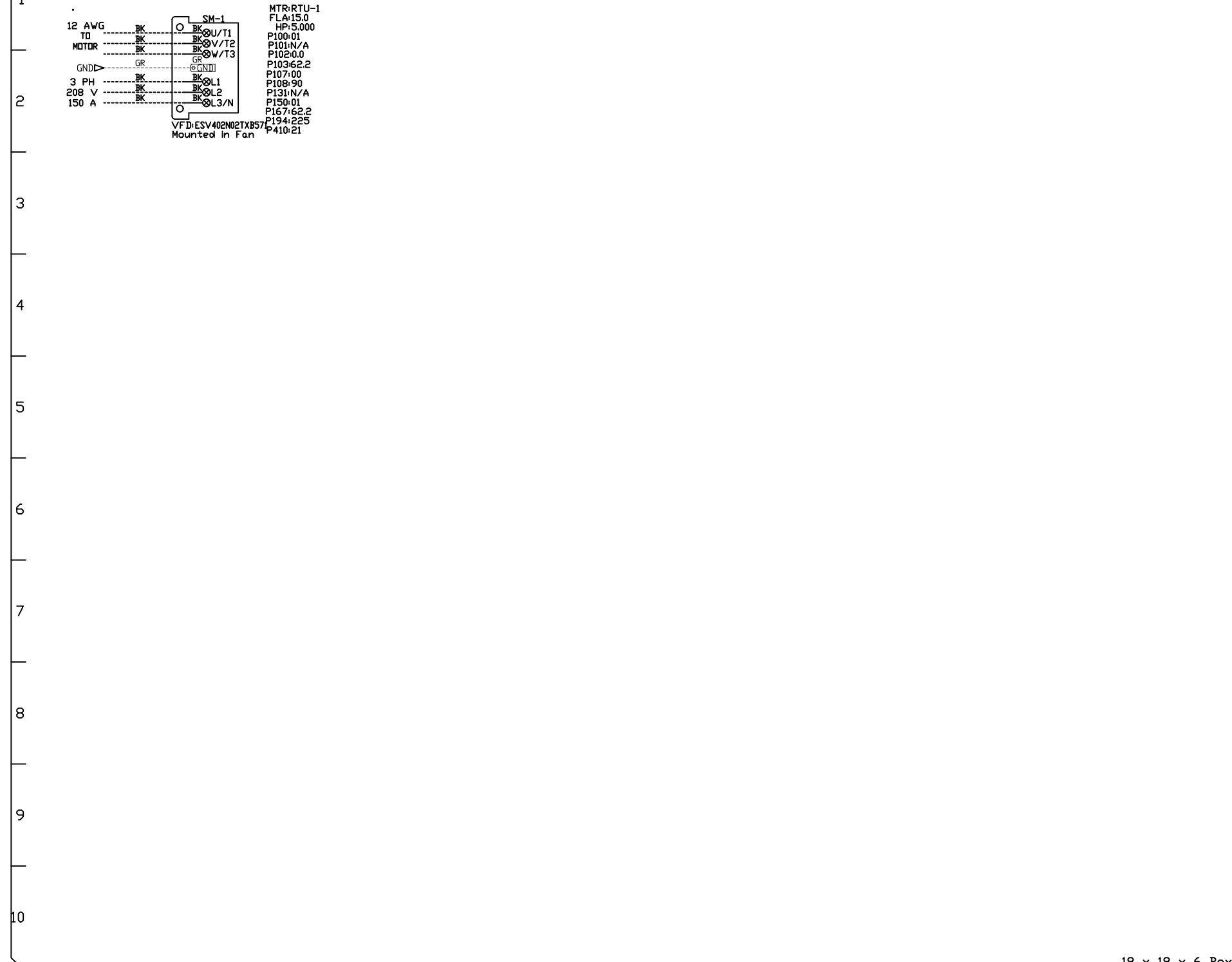
CAPTIVEAIRE
 Dallas/Ft. Worth Mechanical
 www.captiveaire.com
 PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg137@captiveaire.com

Nepali Mandir Community Center
 1212 Royal Parkway,
 EULESS, TX, 76040

DATE: 5/11/2020
 DWG.#: 4338925
 DRAWN BY: mskertchly
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 6

MOTOR POWER CIRCUITS - SEE INSTALLATION DIAGRAM FOR FIELD WIRING REQUIREMENTS.



FACTORY WIRING SCHEMATIC CIRCUIT BOARDS
 DCV Rev. 2.10.00
 HMI Rev. 2.10.00

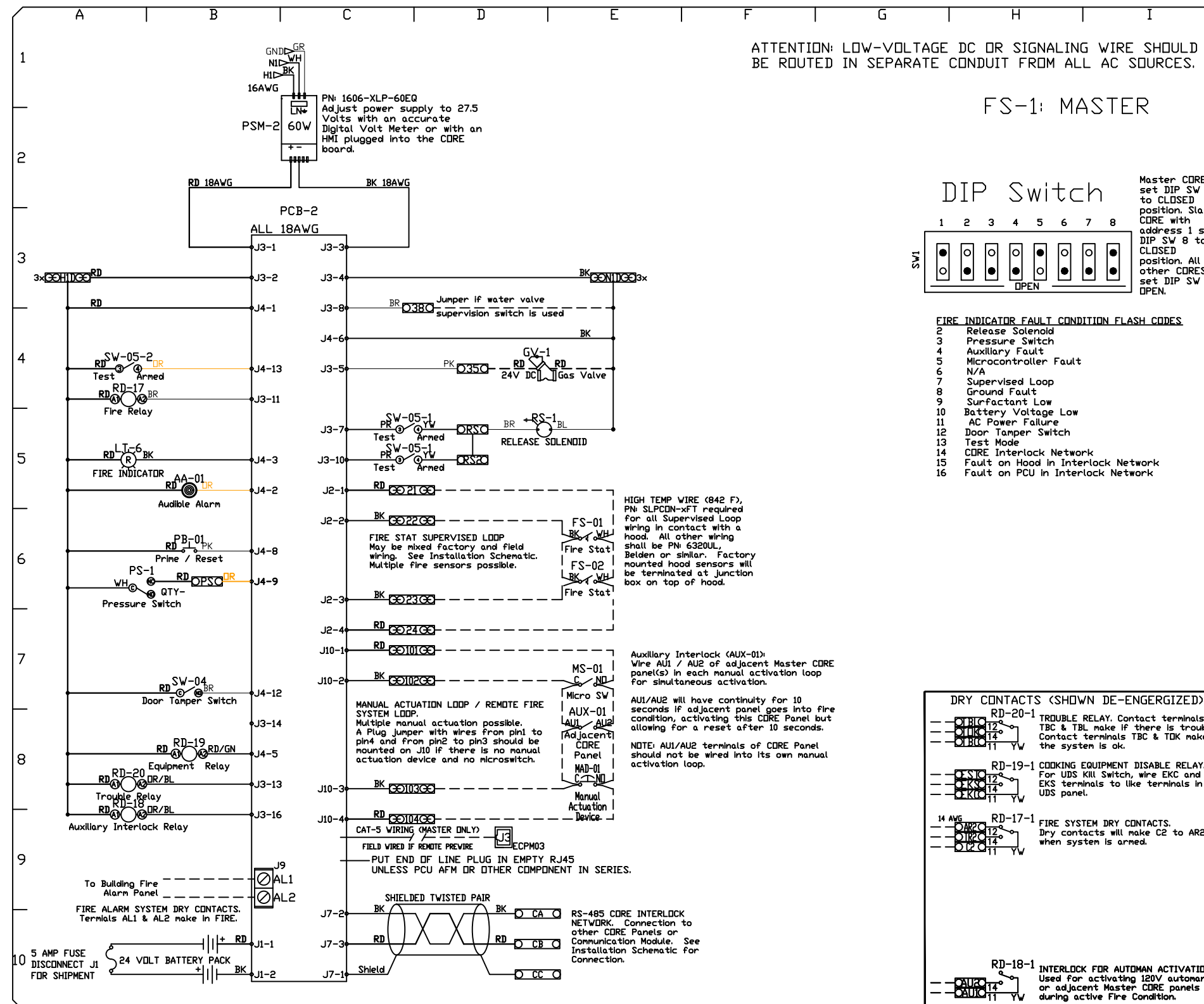
COMPONENT LIST

12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG
10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG
8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG
4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG
2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG

LEGEND

- Blue - FIELD WIRING
- Black - FACTORY WIRING
- Yellow - 24VDC
- Red - 120VAC
- Green - Ground

JOB NAME
 Nepali Mandir Co.
 1212 Royal Parkway, EULESS, TX, 76040



FACTORY WIRING SCHEMATIC CIRCUIT BOARDS
 DCV Rev. 2.10.00
 HMI Rev. 2.10.00

COMPONENT LIST

12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG
10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG
8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG
4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG
2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG

LEGEND

- Blue - FIELD WIRING
- Black - FACTORY WIRING
- Yellow - 24VDC
- Red - 120VAC
- Green - Ground

JOB NAME
 Nepali Mandir Co.
 1212 Royal Parkway, EULESS, TX, 76040

Demand Control Ventilation Hood Control Panel Specifications:

- Controls shall be listed by ETL (UL 508A) and shall comply with demand ventilation system shutdown requirements outlined in IECC 403.2.8 (2015).
- The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.
- Temperature probe(s) located in the exhaust duct riser(s) shall be constructed of stainless steel.
- A digital controller shall be provided to activate the hood exhaust fans dynamically based on a fixed differential between the ambient and duct temperatures sensors. This function shall meet the requirements of IMC 507.1.1.
- A digital controller shall provide adjustable hysteresis settings to prevent cycling of the fans after the cooking appliances have been turned off and/or the heat in the exhaust system is reduced.
- A digital controller shall provide an adjustable minimum fan run-time setting to prevent fan cycling.
- Variable Frequency Drives (VFDs) shall be provided for fans as required. The digital controller shall modulate the VFDs between a minimum setpoint and a maximum setpoint on demand. The duct temperature sensor input(s) to the digital controller shall be used to calculate the speed reference signal.
- The VFD speed range of operation shall be from 0% to 100% for the system, with the actual minimum speed set as required to meet minimum ventilation requirements.
- An internal algorithm to the digital controller shall modulate supply fan VFD speed proportional to all exhaust fans that are located in the same fan group as the supply fan.
- The system shall operate in PREP MODE during light cooking load or COOL DOWN MODE when sufficient heat remains underneath the hood system after cooking operations have completed. Operation during either of these periods will disable the supply fans and provide an exhaust fan speed that is equal to the minimum ventilation requirement.
- A digital controller shall disable the supply fan(s), activate the exhaust fan(s), activate the appliance shunt trip, and disable an electric gas valve automatically when fire condition is detected on a covered hood.
- A digital controller shall allow for external BMS fan control via Dry Contact (external control shall not override fan operation logic as required by code).
- An LCD interface shall be provided with the following features:
 - a. On/Off push button fan & light switch activation
 - b. Integrated gas valve reset for electronic gas valves (no reset relay required)
 - c. VFD Fault display with audible & visual alarm notification
 - d. Duct temperature sensor failure detection with audible & visual alarm notification
 - e. Mis-wired duct temperature sensor detection with audible & visual alarm notification
 - f. A single low voltage Cat-5 RJ45 wiring connection
 - g. An energy savings indicator that utilizes measured kWh from the VFDs

Sequence of Operations:

- The hood control panel is capable of operating in one or more of the following states at any given time:
- **Automatic:** The system operates based on the differential between room temperature and the temperature at the hood cavity or exhaust duct collar. Fans activate at a configurable temperature differential threshold. Depending on the job configuration each fan zone can be configured as static or dynamic. These terms refer to whether a variable motor (such as EC Motors or VFD driven motors) modulate with temperature. If the panel is equipped with variable speed fans and the zone is defined as "dynamic", these will modulate within a user-defined range based on the temperature differential. Panels equipped with variable speed fans and a fan zone defined as "static", fans will run at a set speed calculated for the drive. Demand control ventilation systems are capable of modulating exhaust and make up air fan speeds per the requirements outlined in IECC 403.2.8.
 - **Manual:** The system operates based on human input from an HMI.
 - **Schedule:** A weekly schedule can be set to run fans for a specified period throughout the day. There are three occupied times per day to allow for the user to set up a time that is suitable to their needs. Any time that is within the defined occupied time, the system will run at modulation mode and follow the fan procedure algorithm based on temperature during this time. During unoccupied time, the system will have an extra offset to prevent unintended activation of the system during a time where the system is not being occupied.
 - **Other:** The system operates based on the input from an external source (DDC, BMS or hard-wired interlock)

FOR QUESTIONS, CALL
 ANDREW UPPERMAN: REGIONAL MANAGER
 PHONE: (817) 953-5611
 FAX: (817) 953-5611
 EMAIL: andrew.upperman@captiveaire.com

REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVE

Nepali Mandir Community Center
 1212 Royal Parkway,
 EULESS, TX, 76040

DATE: 5/11/2020
 DWG #: 4338925
 DRAWN BY: msketchly
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 8

PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg137@captiveaire.com

DuctWork #1 Parts - Job#4338925

Tag	Part #	CFM	S.P.	Weight	Velocity	QTY	Description
P1	DW1445DWASY-2R-S	1750	-0.0438	19.87	1637.02	1	Double Wall Duct - 14' Inner 45 Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P2	DW1445DWASY-2R-S	1750	-0.0625	19.87	1637.02	1	Double Wall Duct - 14' Inner 45 Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P3	DW1447DWLT-2R-S	1750	-0.0186	62.39	1637.02	1	Double Wall Duct - 14' Inner Duct, 47' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P4	DW1435DWLT-2R-S	1750	-0.0139	46.53	1637.02	1	Double Wall Duct - 14' Inner Duct, 35' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P5	DW1447DWAJDT-2R-S	1750	-0.0155	93.06	1637.02	1	Double Wall Adjustable Duct Transition Plate - 14" Inner Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell. Min Length = 11' / Max Length = 48.5' / Adjustment = 30.5' / Adjustable Section May Need To Be Cut.
Assembled w/P6							Includes single and double wall "V" Clamps.
P6	DW2314TPDBEX	1750	0	8.00	1637.02	1	Duct to Curb Transition 3/4" Down Turn, 23" Curb to 14" Duct, 16 GA Aluminized. Used on NCA14FA & NCA14HPFA. Transition Plate DD is 23.5" Designed For Use With Exhaust Fan. Non-Standard Part.
Assembled w/P5							
System at P6		1750	-0.7663				
P7	DW1445DWASY-2R-S	1750	-0.0438	19.87	1637.02	1	Double Wall Duct - 14' Inner 45 Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P8	DW1445DWASY-2R-S	1750	-0.0625	19.87	1637.02	1	Double Wall Duct - 14' Inner 45 Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P9	DW1447DWLT-2R-S	1750	-0.0186	62.39	1637.02	1	Double Wall Duct - 14' Inner Duct, 47' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P10	DW1435DWLT-2R-S	1750	-0.0139	46.53	1637.02	1	Double Wall Duct - 14' Inner Duct, 35' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell.
P11	DW1447DWAJDT-2R-S	1750	-0.0155	93.06	1637.02	1	Double Wall Adjustable Duct Transition Plate - 14" Inner Duct - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Shell. Min Length = 11' / Max Length = 48.5' / Adjustment = 30.5' / Adjustable Section May Need To Be Cut.
Assembled w/P12							Includes single and double wall "V" Clamps.
P12	DW2314TPDBEX	1750	0	8.00	1637.02	1	Duct to Curb Transition 3/4" Down Turn, 23" Curb to 14" Duct, 16 GA Aluminized. Used on NCA14FA & NCA14HPFA. Transition Plate DD is 23.5" Designed For Use With Exhaust Fan. Non-Standard Part.
Assembled w/P11							
System at P12		1750	-0.7663				
	DW18DWRISER-2R-S			8.15		1	Double Wall Riser Cover - Used On 14" Inner Riser, 4' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Riser Shell Assembly. Includes Insulation & Single V Clamps For Inner & Outer Connections.
	DW18DWRISER-2R-S			8.15		1	Double Wall Riser Cover - Used On 14" Inner Riser, 4' long - 2 Layers Reduced Clearance - 18" Stainless Steel Outer Riser Shell Assembly. Includes Insulation & Single V Clamps For Inner & Outer Connections.
	3M-2000PLUS			0.80		3	Duct - 3M Fire Barrier 2000 Plus Silicone - Used as sealant to Seal Duct Joints.
	DW14DWCLASY-2R-S			7.21		6	Duct - 14" Duct - 18" Double "V" Clamp - 2R Insulation & Single "V" Clamp Included - Reduced Clearance.
Total Weight				561.40			

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (ft)	VERTICAL WALL SUPPORT (ft)	VERTICAL CURB SUPPORT (ft)
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (ft)
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

VERTICAL			
TYPE	WALL SUPPORT (ft)	CURB SUPPORT (ft)	FLOOR SUPPORT (ft)
2R & 2R HT (8"-16")	20'	24'	24'
2R (18")	18'	24'	24'
3R & 3Z (8"-24")	10'	24'	24'
3Z (26" -36")	10'	20'	20'

FOR QUESTIONS, CALL
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 PHONE: (817) 953-5611
 FAX: (817) 953-5611
 EMAIL: andrew.upperman@captiveaire.com

REVISIONS	
DESCRIPTION	DATE



CAPTIVE
 Dallas/Ft. Worth Mechanical
 PO Box 48519, Watauga, TX, 76148 PHONE: (817) 953-5611 EMAIL: reg137@captiveaire.com

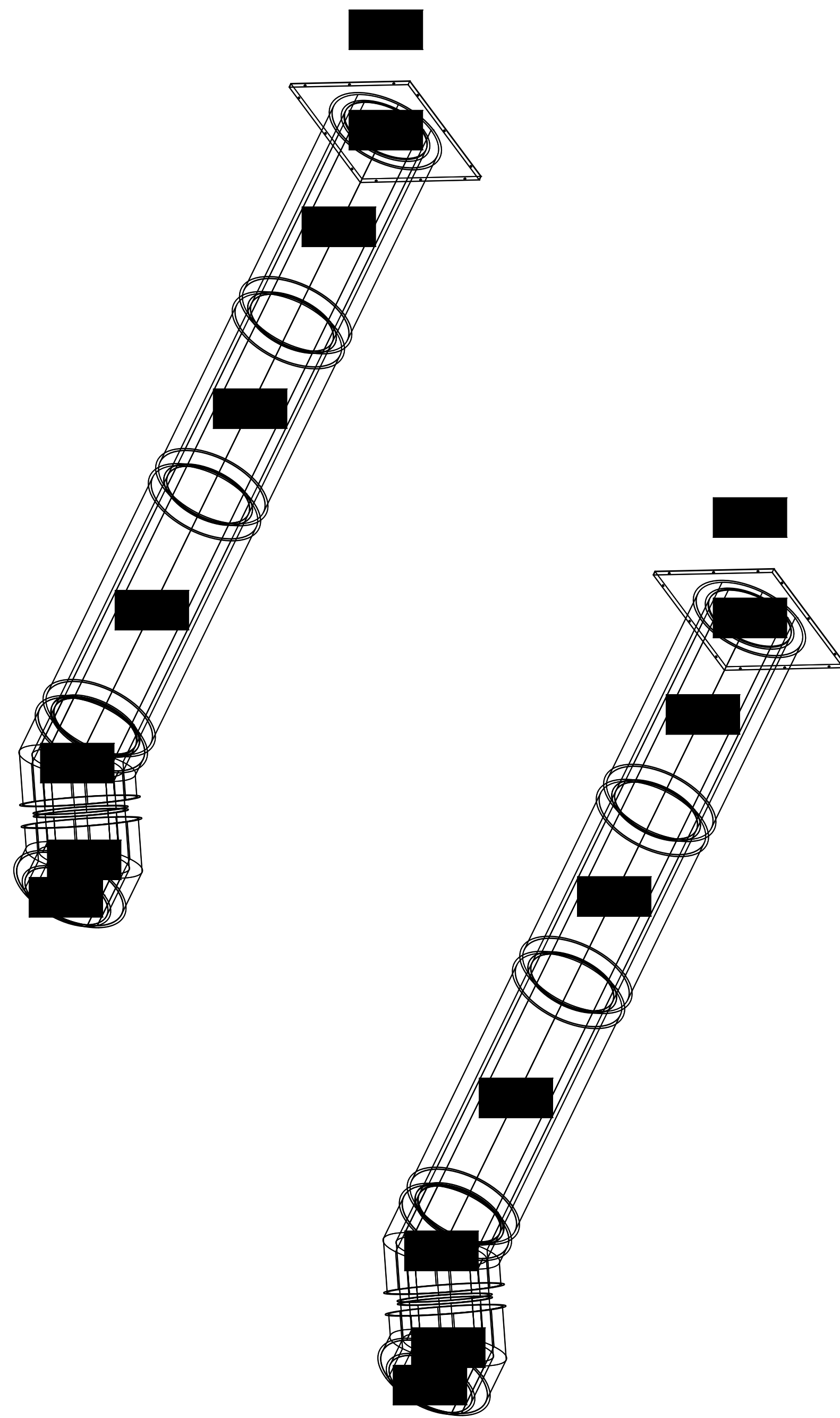
Nepali Mandir Community Center
 1212 Royal Parkway,
 EULESS, TX, 76040

DATE: 5/11/2020
 DWG.#: 4338925
 DRAWN BY: mskertchly
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

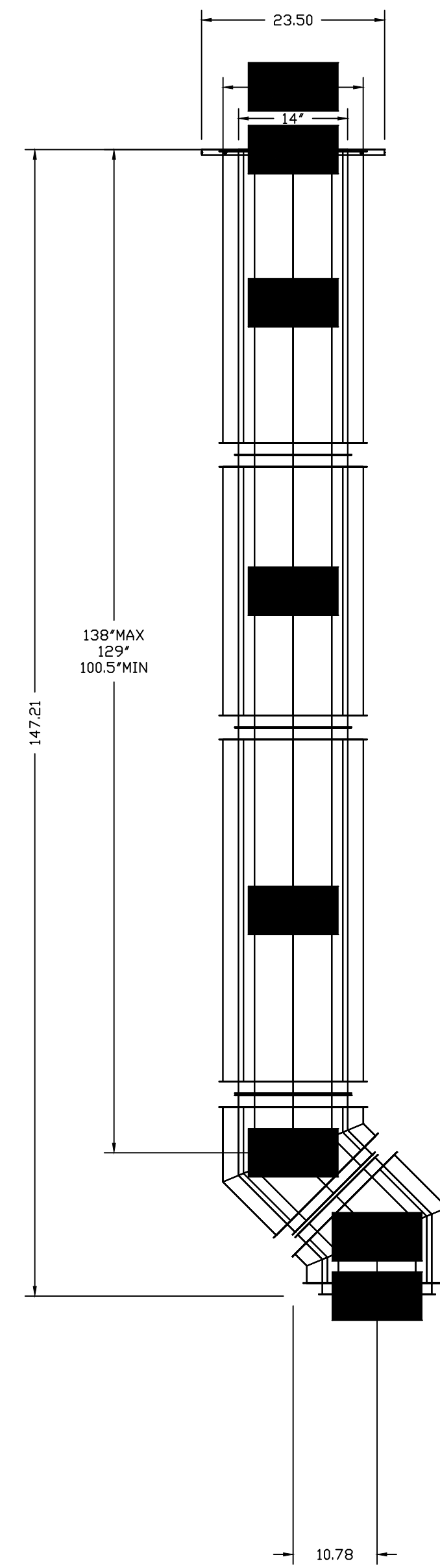
SHEET NO. 9

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

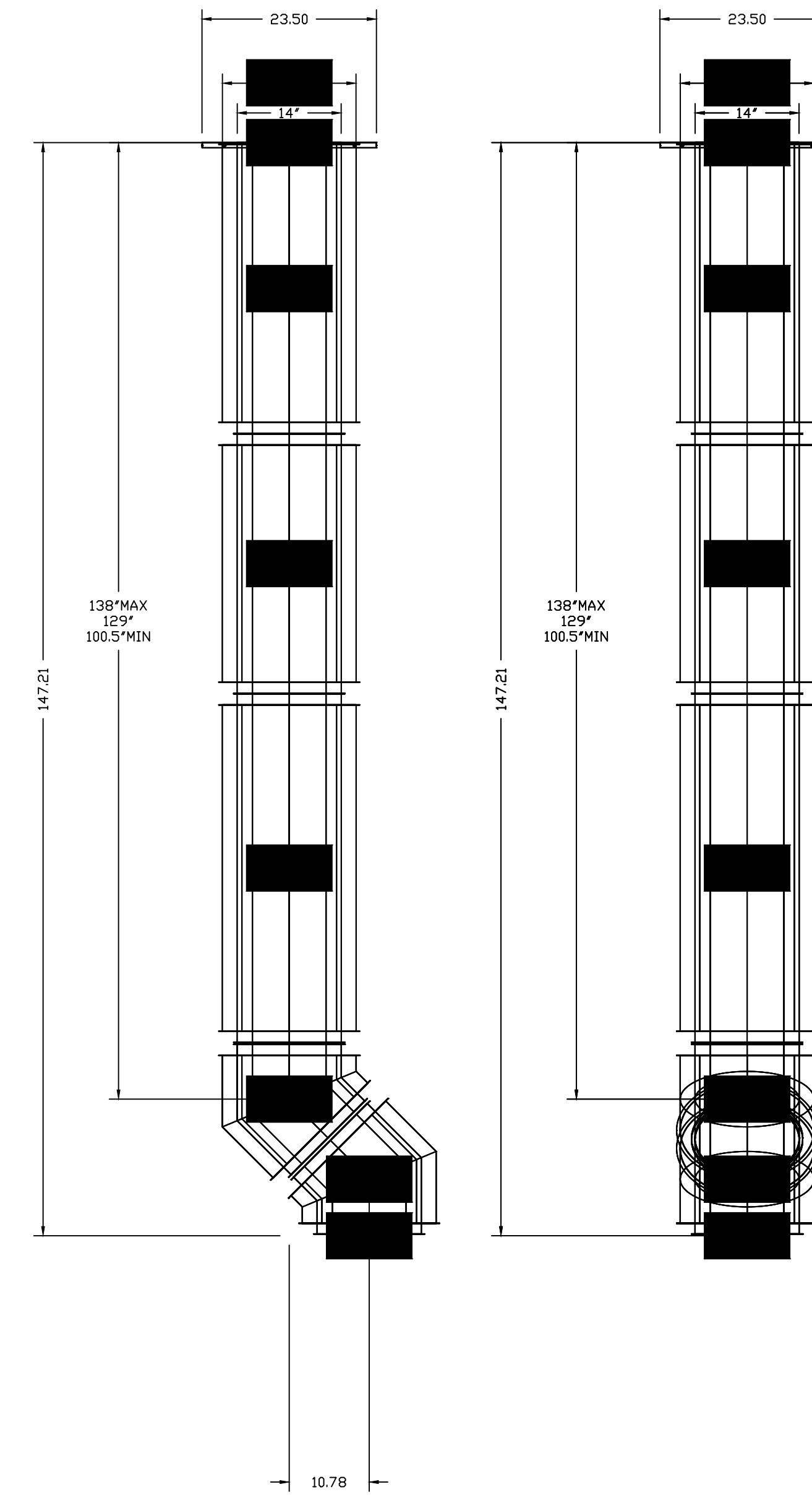
DuctWork #1 SE View



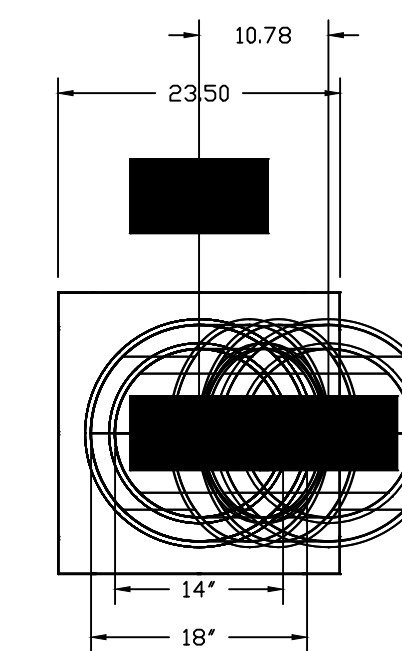
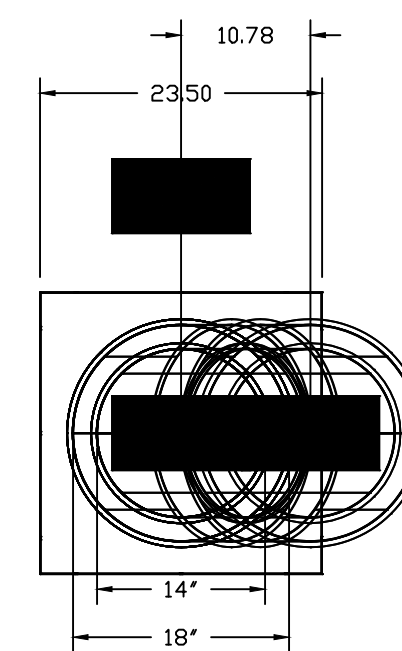
DuctWork #1 Front View



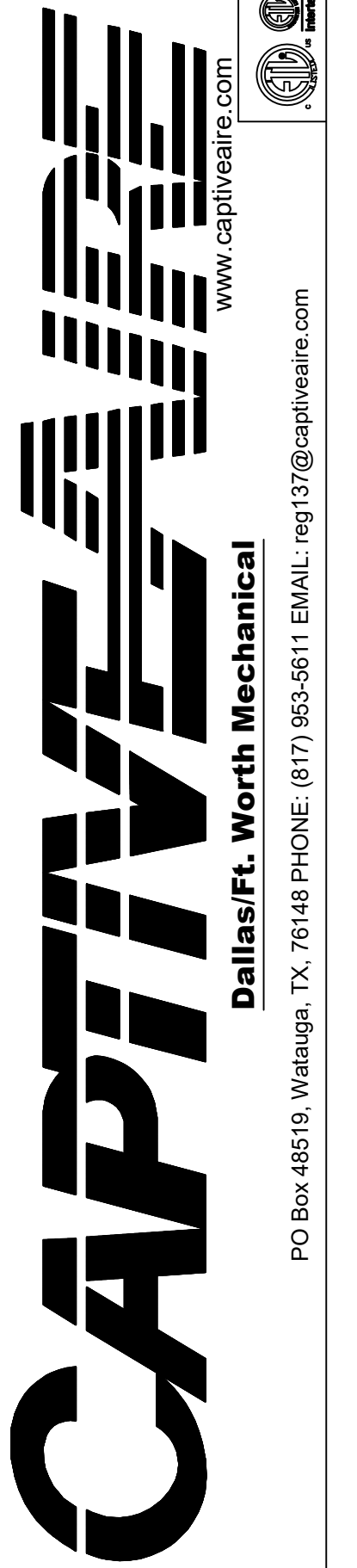
DuctWork #1 Side View



DuctWork #1 Top View



REVISIONS	
DESCRIPTION	DATE

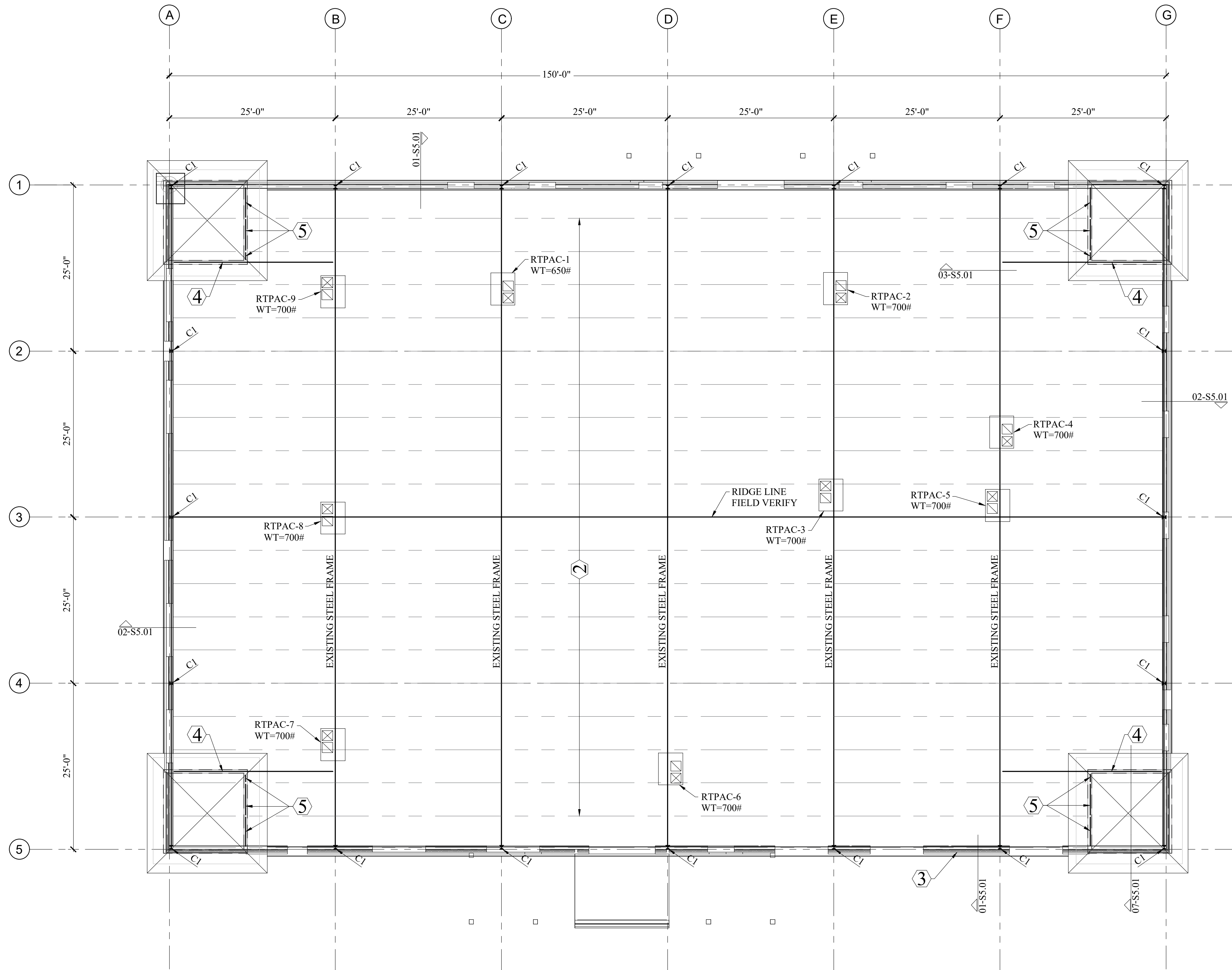


Nepali Mandir Community Center
1212 Royal Parkway,
EULESS, TX, 76040

DATE: 5/11/2020
DWG.#: 4338925
DRAWN BY: mskertchly
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 10

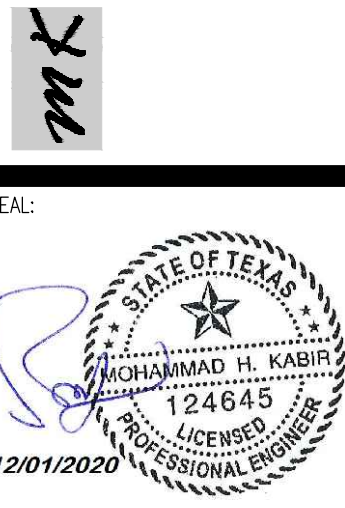
FOR QUESTIONS, CALL
ANDREW UPPERMAN: REGIONAL MANAGER
PHONE: (817) 953-5611
FAX: (817) 953-5611
EMAIL: andrew.upperman@captiveaire.com



ROOF FRAMING PLAN

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

- PLAN & KEY NOTES:**
- ① C1 DENOTES EXISTING STEEL COLUMN - FIELD VERIFY
 - ② EXISTING C9 STEEL CHANNEL ROOF JOISTS - FIELD VERIFY
 - ③ EXISTING CMU WALL TO BE DEMO - REF. ARCH. & FIELD VERIFY
 - ④ PROVIDE NEW HSS9X7X5/16 (BEAM DEPTH MATCH WITH EXISTING ROOF JOIST) TO SUPPORT NEW TOWER WALL. ALTERNATIVE: DOUBLE C9 JOISTS MATCH W/ EXISTING
 - ⑤ PROVIDE NEW HSS9X7X5/16 BLOCKING BETWEEN EXIST. ROOF JOISTS TO SUPPORT NEW TOWER WALL. ALTERNATIVE: DOUBLE C9 MATCH W/ EXISTING
 6. G.C. SHALL FIELD VERIFY AND REFER ARCH'L DWGS FOR ALL DIMENSIONS AND ELEVATIONS
 7. G.C. SHALL THOROUGHLY INVESTIGATE ALL EXSTING CONDITIONS PRIOR TO CONSTRUCTION. CARE MUST BE TAKEN TO PREVENT DAMAGES TO EXISTING STRUCTURAL AND MEP ELEMENTS.
 8. G.C. MUST NOTIFY AND CONSULT W/ STRUCTURAL ENGINEER IF EXISTING CONDITIONS ARE DIFFERENT FROM WHAT SHOWN IN THE CONSTRUCTION DOCUMENTS.
 9. PROVIDE ADD'L. TWO C9 ROOF JOISTS (MATCH W/ EXISTING) TO SUPPORT NEW RTU UP TO 1,200# - REF. ARCH/MEP ALTERNATIVE: HSS9X7X5/16



GENERAL NOTES:

DESIGN LIVE LOADS

MINIMUM DESIGN LIVE LOADS ARE IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) OR CURRENTLY ADOPTED BY CITY OFFICIALS. DESIGN LOADS ARE:

WIND DESIGN DATA

BASIC WIND SPEED (3 SECOND GUST)	115 MPH (ULTIMATE)
RISK CATEGORY	II
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR (Iw)	1.0

SEISMIC DESIGN DATA

SEISMIC IMPORTANCE FACTOR (Ie)	1.00
SPECTRAL RESPONSE ACCELERATION (Ss)	0.092
SPECTRAL RESPONSE ACCELERATION (S1)	0.05
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B

COLD FORMED METAL FRAMING

METAL FRAMING IS TO CONFORM TO ASTM A446. MINIMUM YIELD STRENGTH IS TO BE 33,000 PSI, WITH 1 5/8" MINIMUM FLANGE WIDTH.

MEMBERS ARE TO BE FABRICATED IN ACCORDANCE WITH AISI SPECIFICATIONS FOR THE DESIGN OF COLD-FORM STEEL STRUCTURAL MEMBERS, LATEST EDITION. MEMBERS ARE TO BE GALVANIZED.

CONNECTIONS ARE TO BE SCREWED OR WELDED, WITH A MINIMUM OF 2 - #12 TEK SCREWS OR 3/16 FILLET WELD AND USED AT EACH CONNECTION AS MINIMUM.

METAL FRAMING MEMBERS ARE TO BE CLOSED OFF AT BOTH ENDS WITH CONTINUOUS METAL TRACK OF EQUIVALENT GAGE OR GREATER THICKNESS THAN METAL GAGE MEMBERS.

33 MIL	- 20 GA
43 MIL	- 18 GA
54 MIL	- 16 GA
68 MIL	- 14 GA
97 MIL	- 12 GA
118 MIL	- 10 GA

GENERAL NOTES:

REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ANCHORS, INSERTS, REGLETS AND EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR IS TO VERIFY DIMENSIONS AT THE SITE. CONTRACTOR IS TO VERIFY MECHANICAL LOADINGS AND LOCATIONS. THE CONTRACTOR IS TO ALSO VERIFY SIZES AND LOCATIONS OF MECHANICAL OPENINGS.

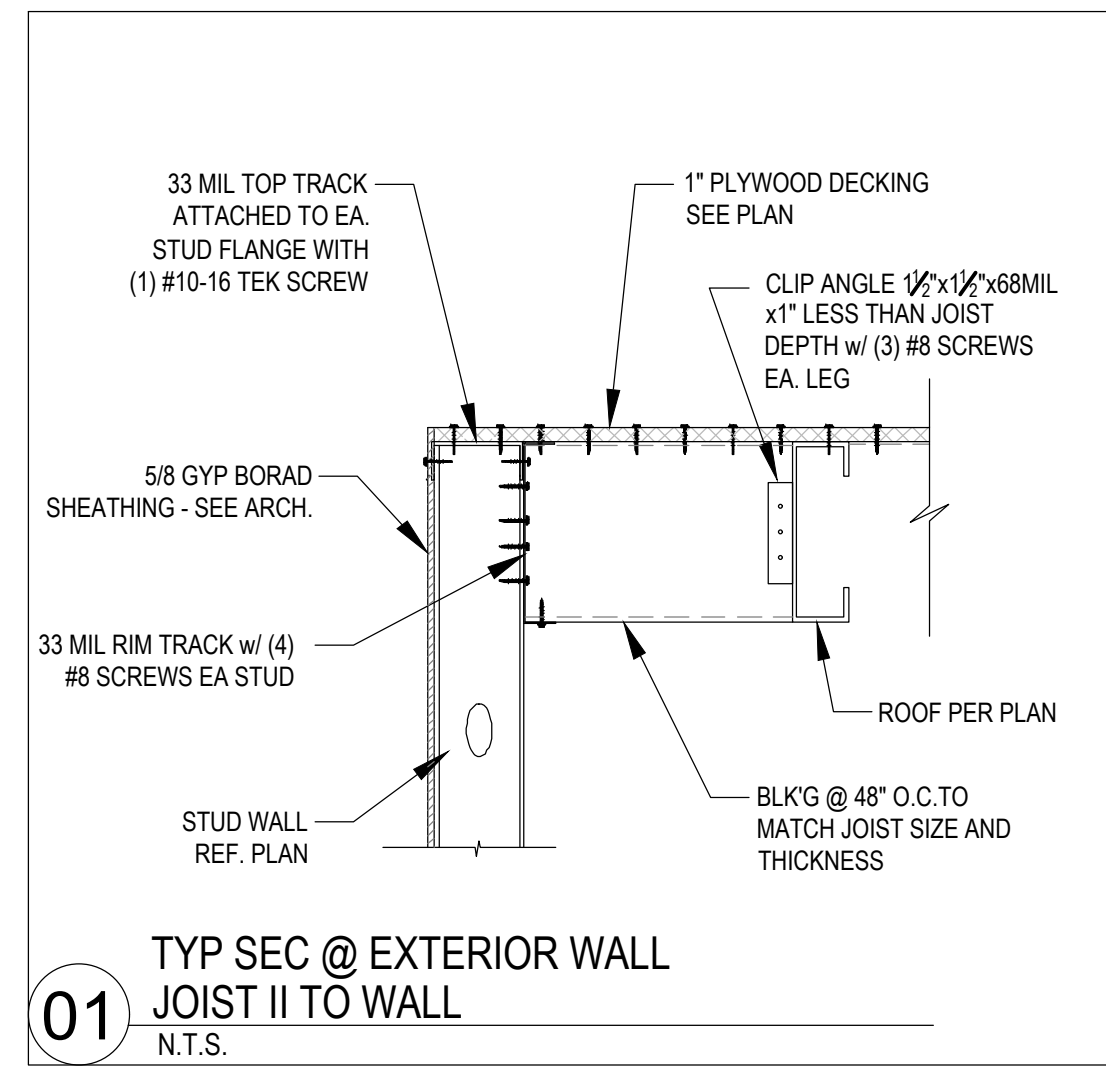
CONSTRUCTION MATERIALS ARE TO BE SPREAD OUT IF PLACED ON FRAME FLOORS OR ROOF. LOAD IS NOT TO EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

STRUCTURAL STEEL

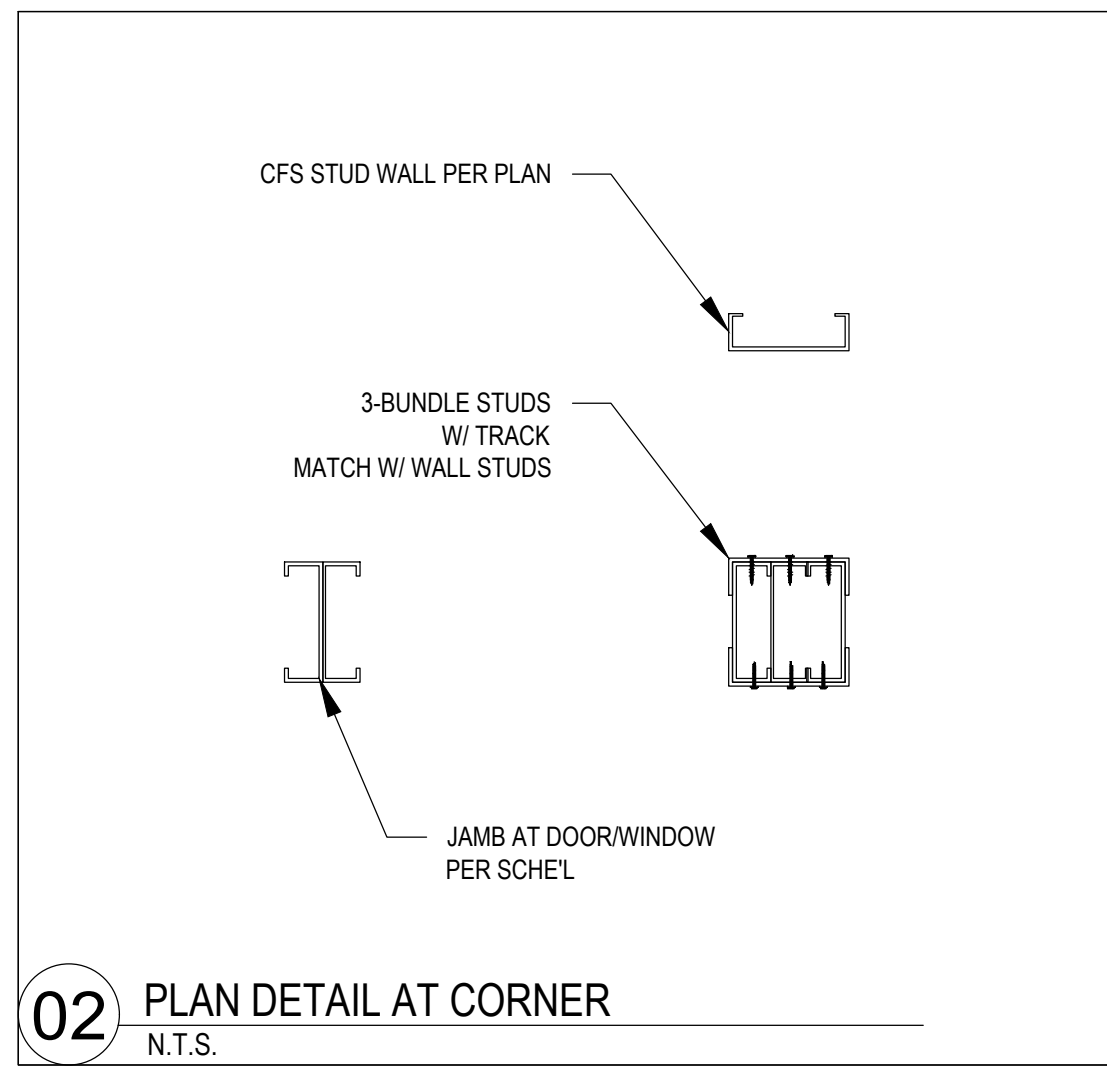
STRUCTURAL STEEL FOR COLUMNS AND BEAMS IS TO BE NEW DOMESTIC STEEL, IS TO CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, AND IS TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS.

STEEL WIDE FLANGE SECTIONS ASTM A992, GRADE 50
 MISCELLANEOUS STEEL SECTIONS ASTM A36
 HOLLOW STEEL SECTIONS ASTM A500, GRADE B
 STEEL PIPE/ROUND HSS SECTIONS ASTM A53, GRADE B

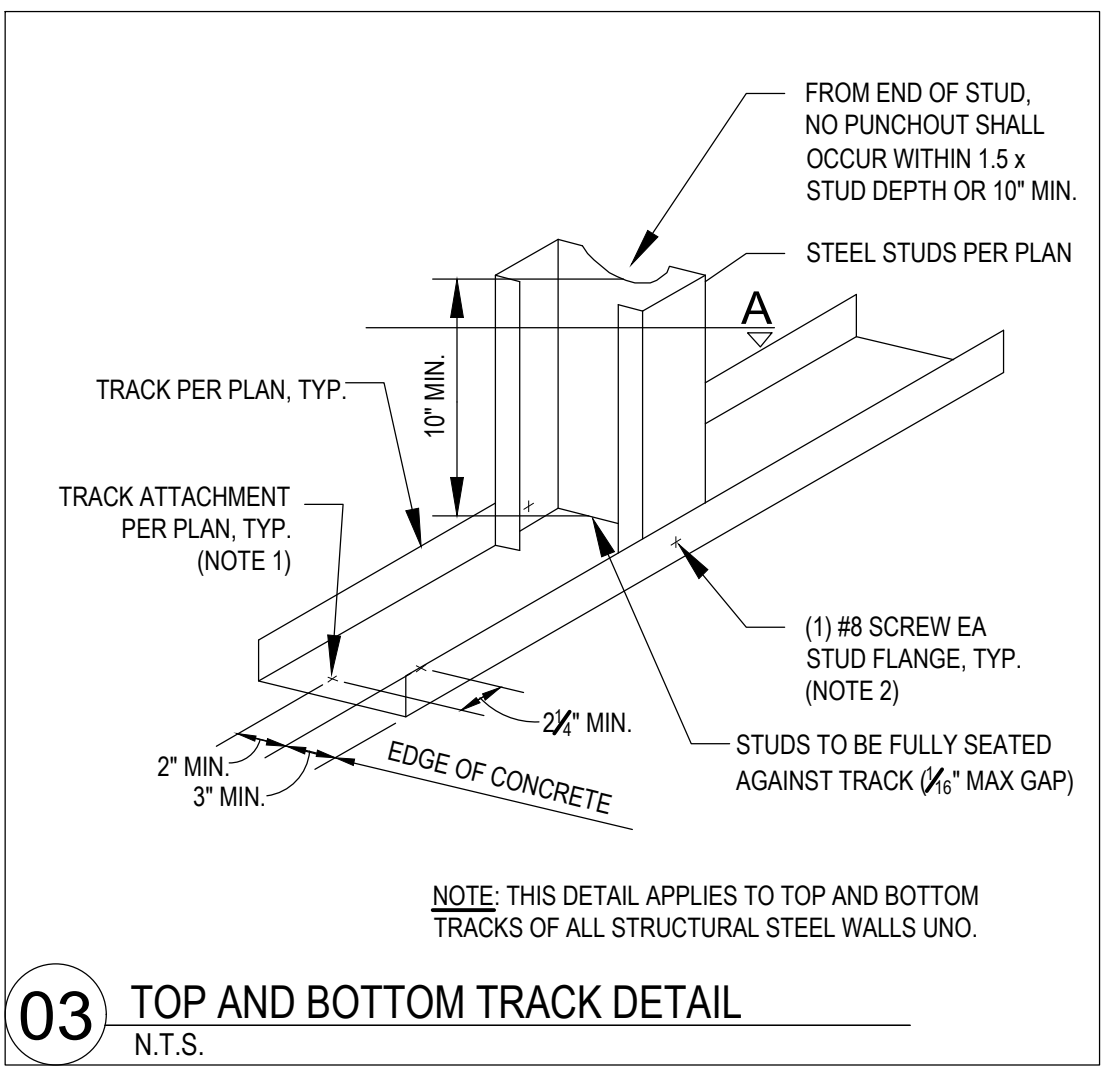
ALL BEAM CONNECTIONS NOT DETAILED ARE TO BE DOUBLE OR SINGLE ANGLE "FRAMED BEAM CONNECTIONS" AS SHOWN IN THE AISC "MANUAL OF STEEL CONSTRUCTION", USING 3/4" DIAMETER A325 BOLTS.



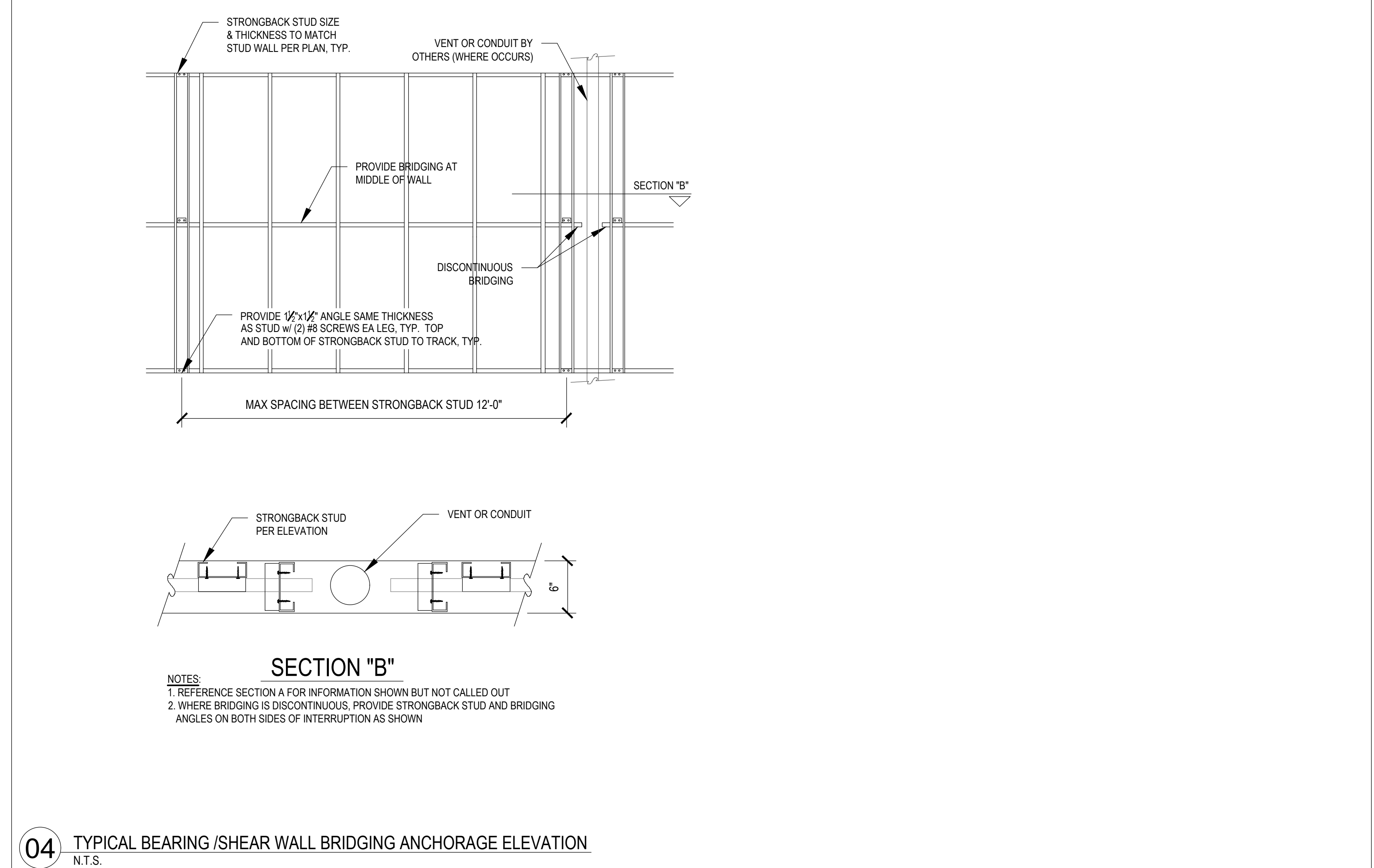
01 TYP SEC @ EXTERIOR WALL JOIST II TO WALL
N.T.S.



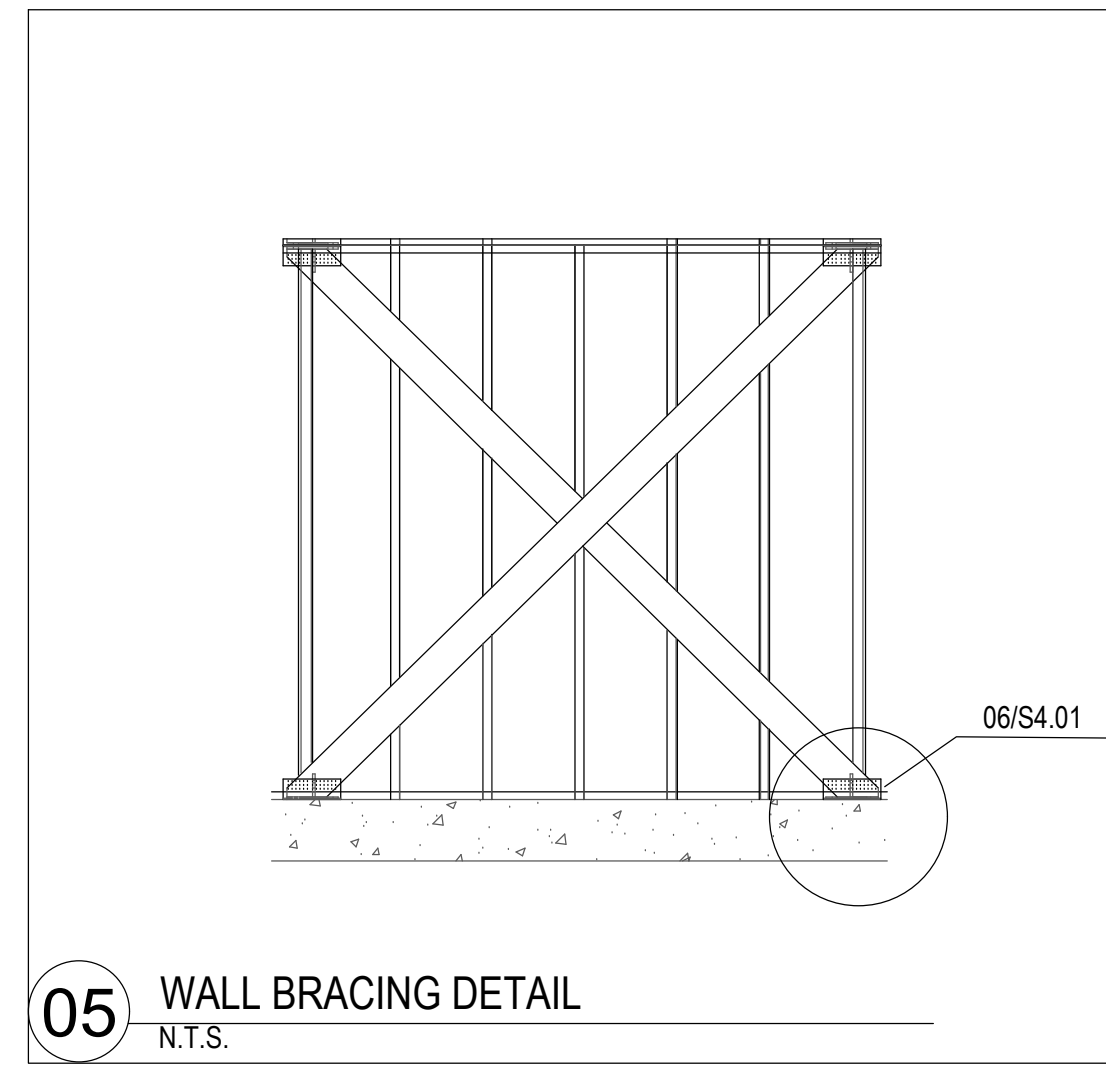
02 PLAN DETAIL AT CORNER
N.T.S.



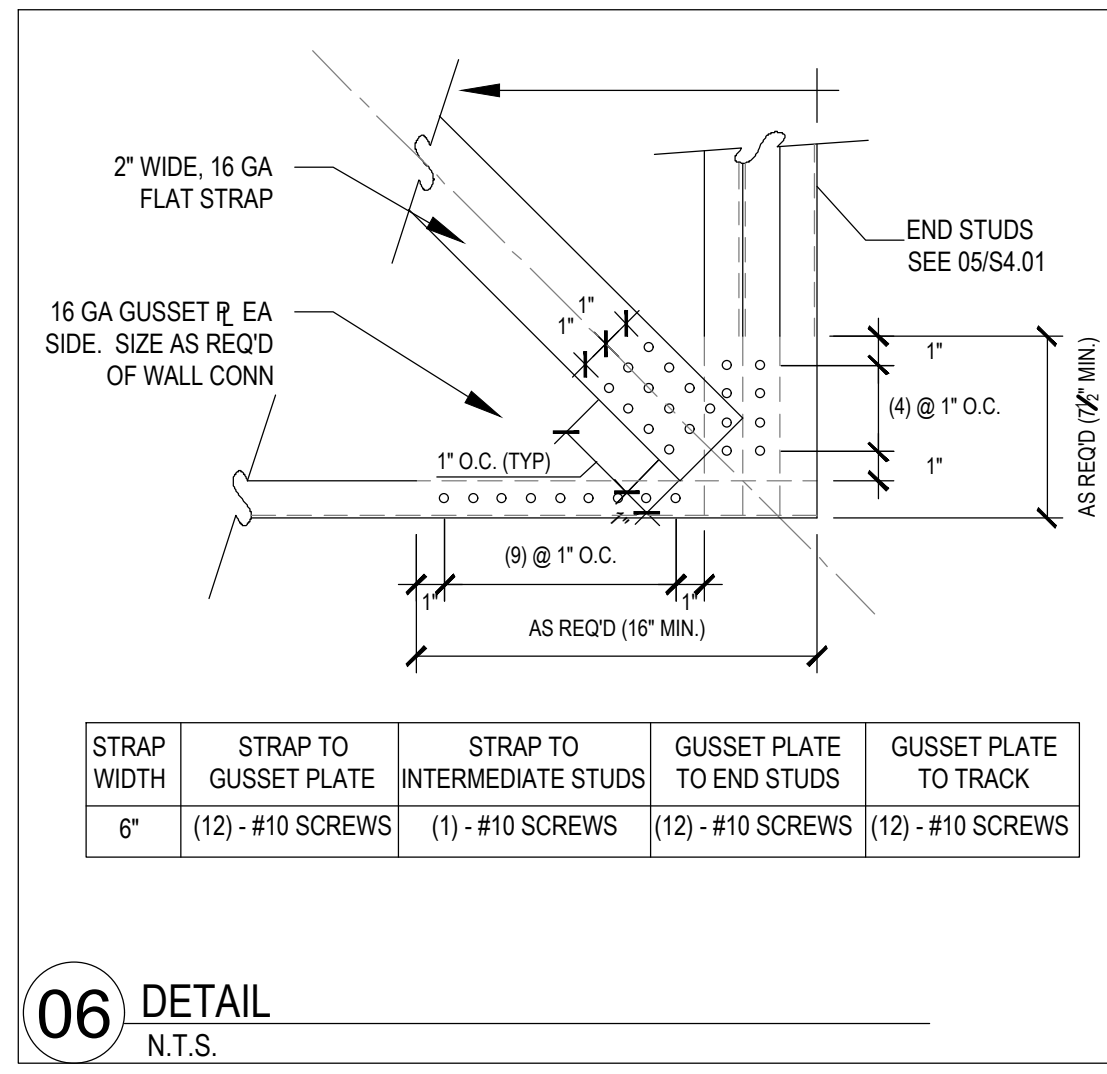
03 TOP AND BOTTOM TRACK DETAIL
N.T.S.



04 TYPICAL BEARING /SHEAR WALL BRIDGING ANCHORAGE ELEVATION
N.T.S.



05 WALL BRACING DETAIL
N.T.S.

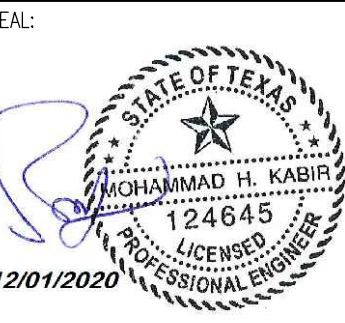


06 DETAIL
N.T.S.



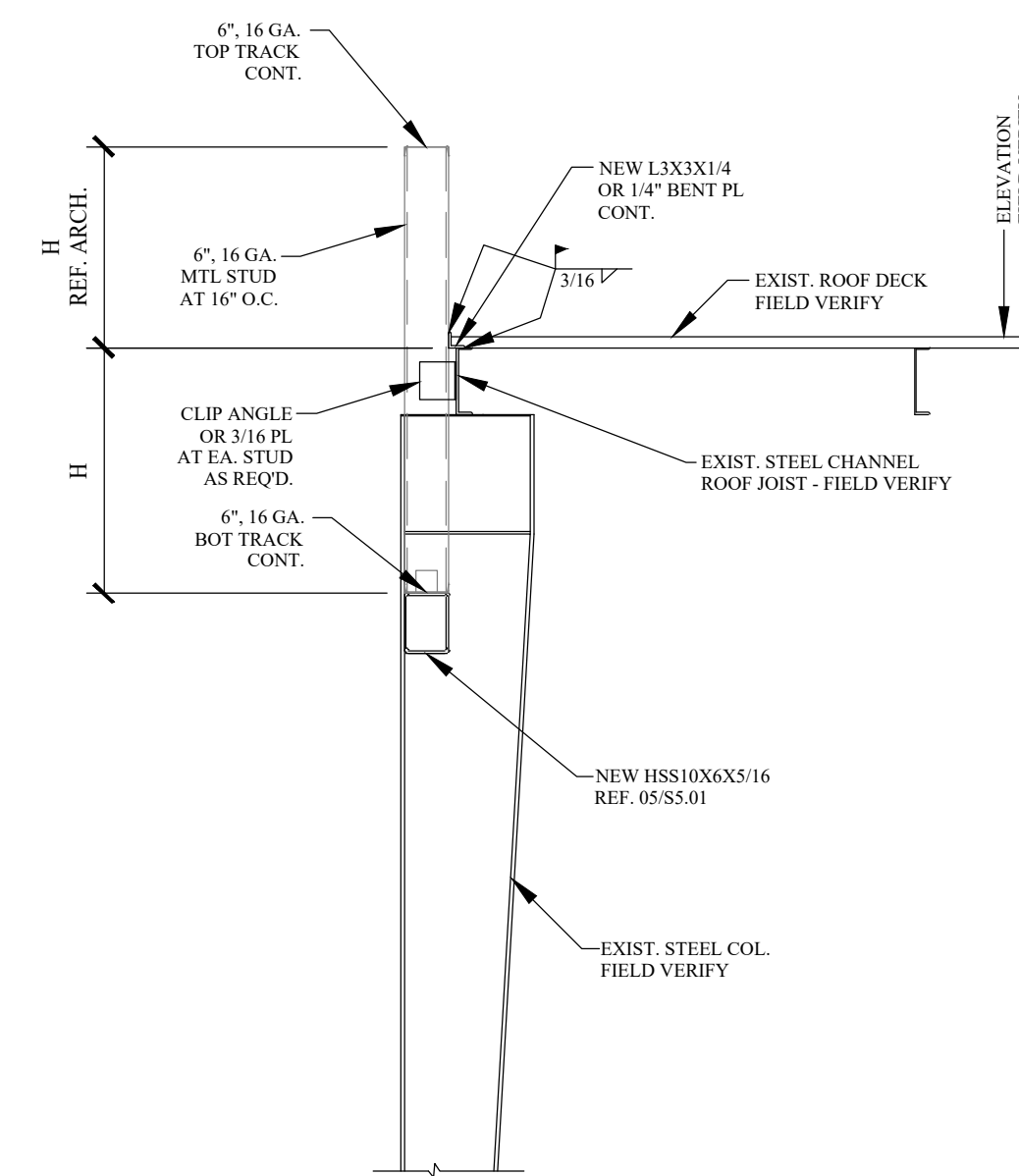
NEPALI CULTURAL AND SPIRITUAL CENTER
 1212 ROYAL PARKWAY
 EULESS, TX 76040

MK Engineers and Associates, Inc.
 FIRM REGISTRATION: F18656
 400 CHISHOLM PLACE, SUITE 106
 PLANO, TX 75075
 Phone: (214) 501-3354
 Email: info@mkaainc.com

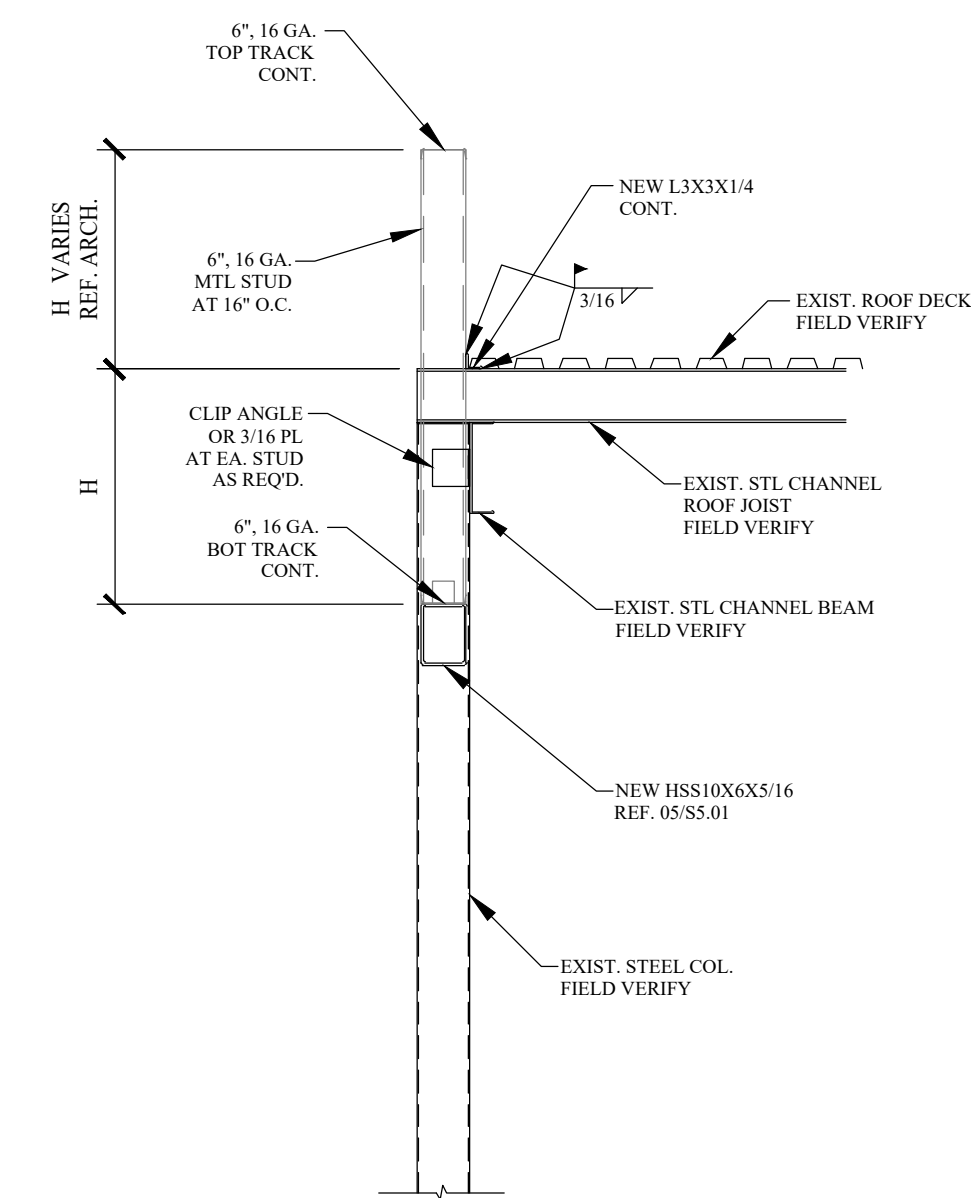


DWG. TITLE
GENERAL NOTES & LIGHT-GAUGE FRAMING DETAILS

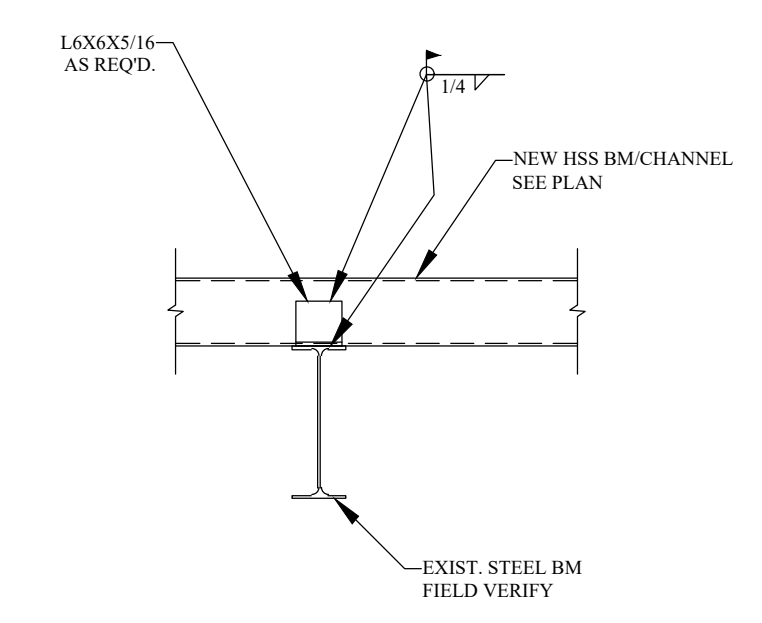
DATE: 12/01/2020
 SCALE: PER PLAN
 DRAWN: KD/JJ
 CHECKED: MK
 PROJECT #: 20092
 SHEET #: **S4.01**



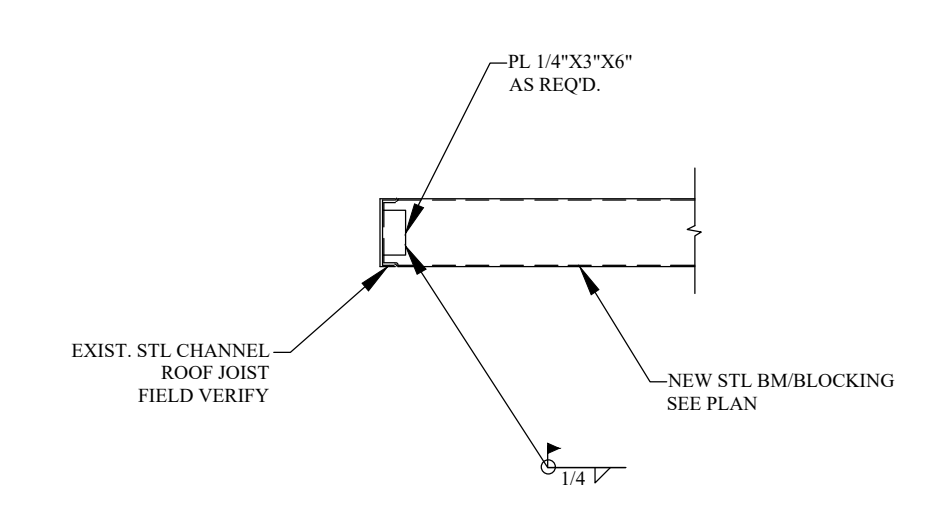
01 DETAIL
N.T.S.



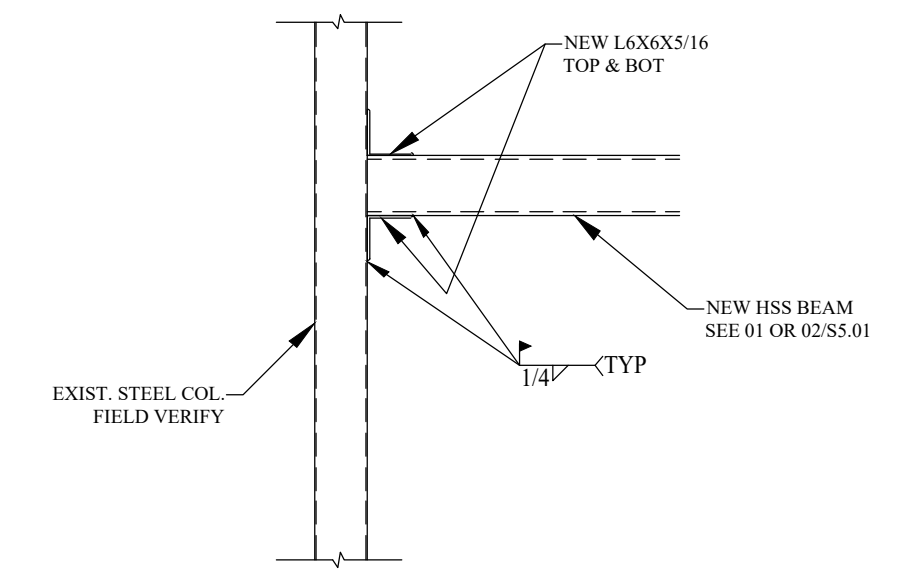
02 DETAIL
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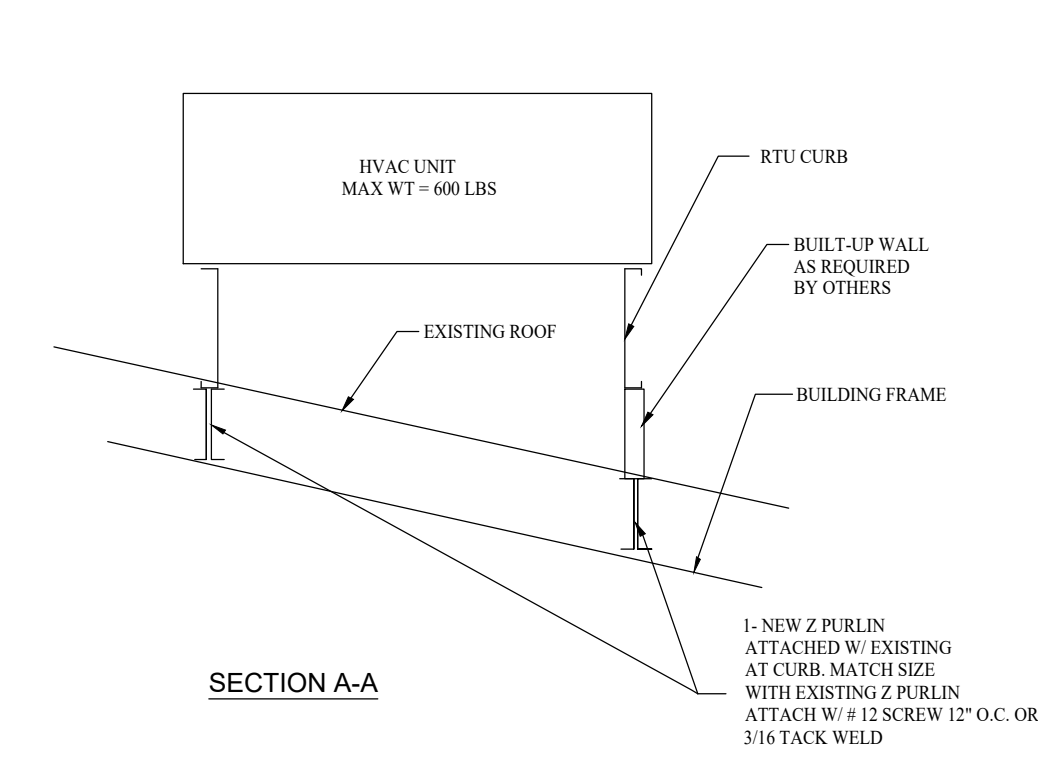
03 DETAIL
N.T.S.



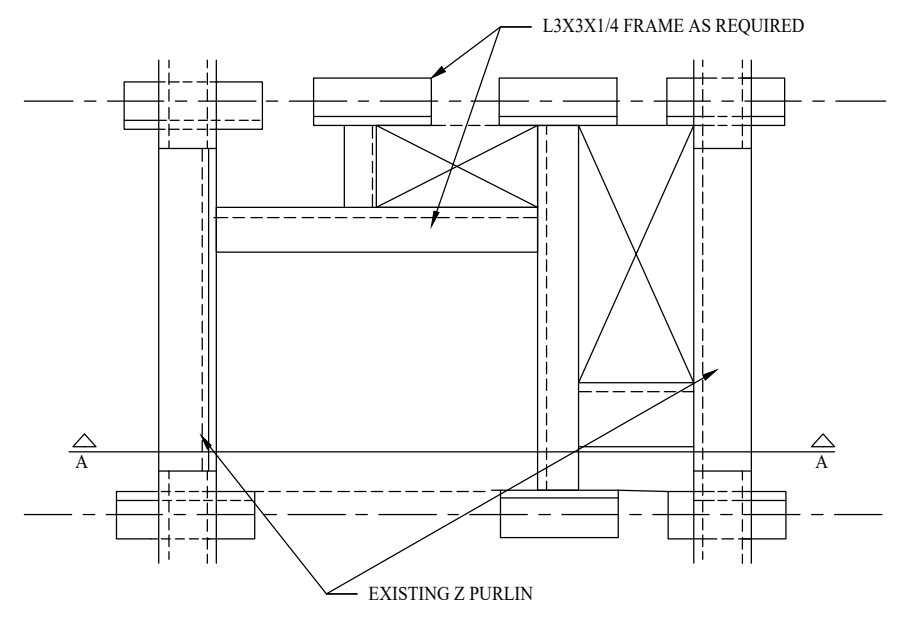
04 DETAIL
N.T.S.



05 DETAIL
N.T.S.

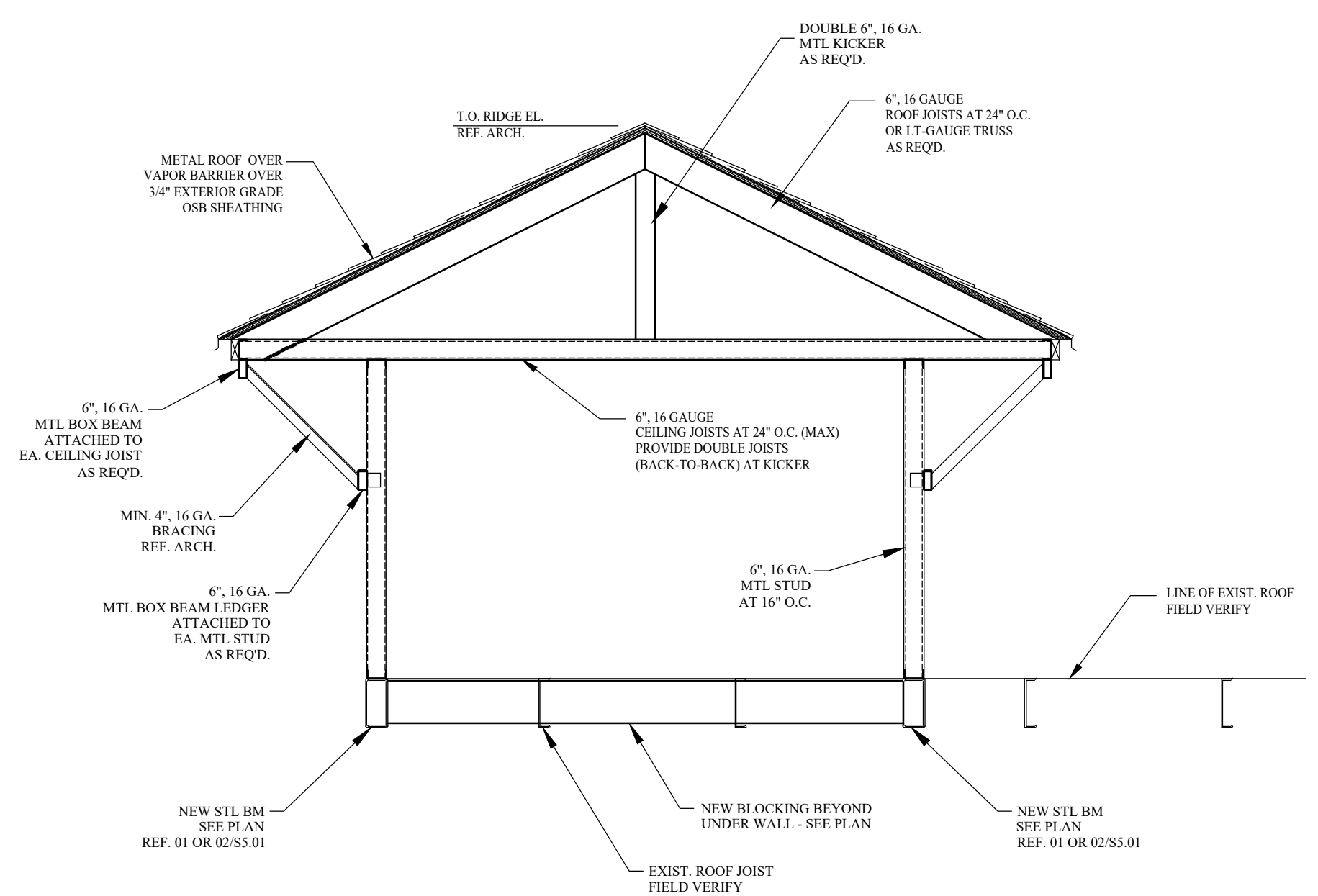


06 TYPICAL RTU CURB DETAIL
N.T.S.

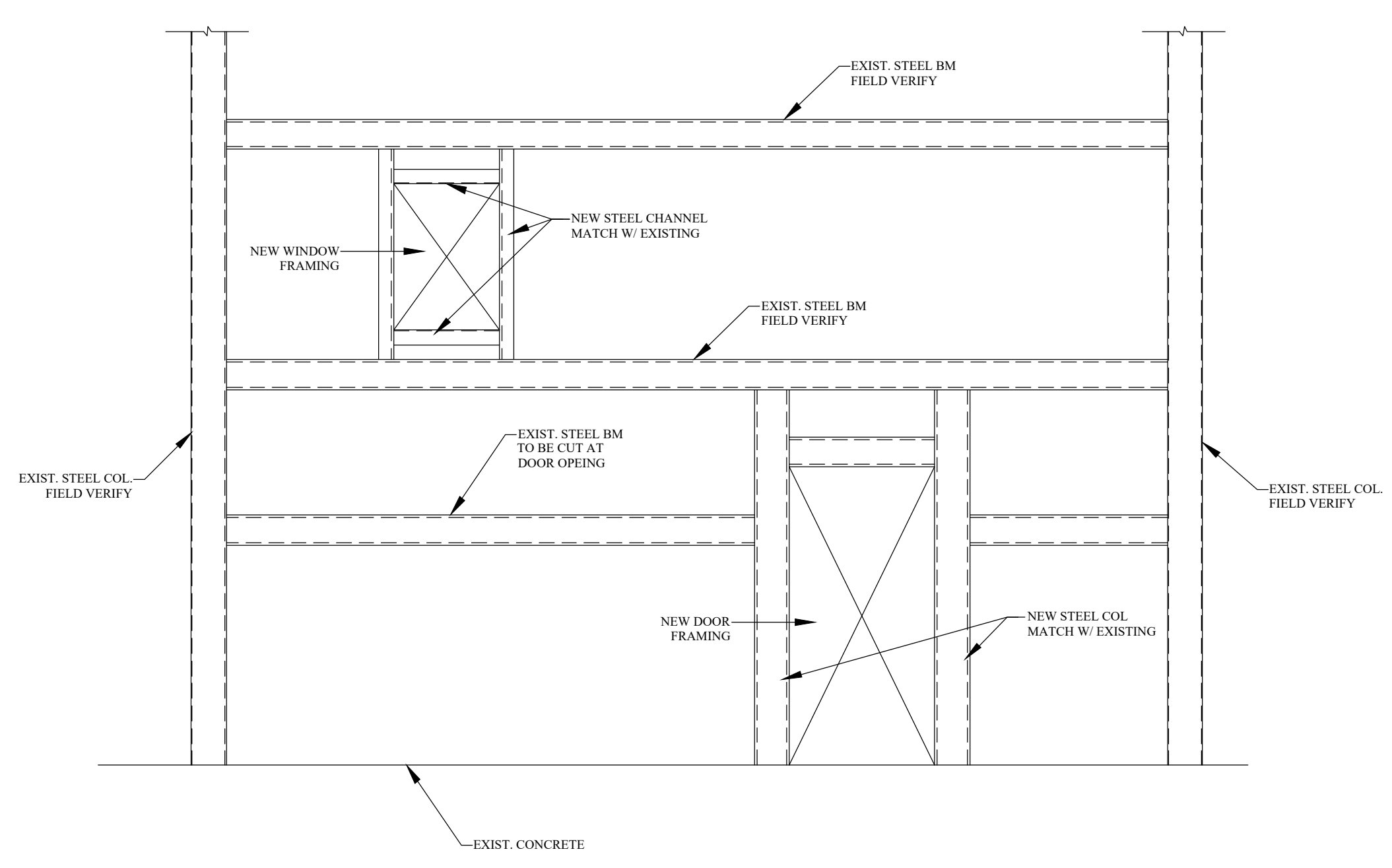


PLAN VIEW
LOCATION AND ORIENTATION OF OPENING THRU DECK ARE DIAGRAMMATIC. FOR RETURN AND SUPPLY OPENING, COORDINATE VENDORS FOR REQUIREMENTS OF ACTUAL UNIT PURCHASED.

09 NOT USED
N.T.S.



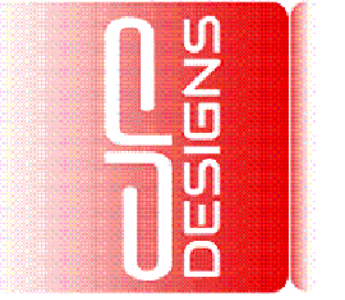
07 DETAIL
N.T.S.



08 NEW OPENING DETAIL (TYP)
N.T.S.

10 NOT USED
N.T.S.

11 NOT USED
N.T.S.

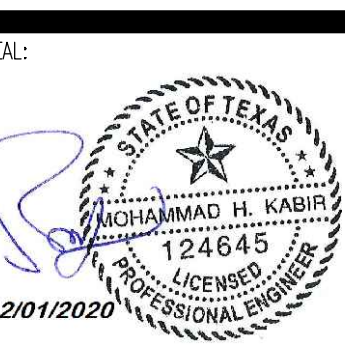


DESIGNS & DEVELOPMENT, LLC
214-675-9175
DANIEL@DP-DESIGNS.CO



NEPALI CULTURAL AND SPIRITUAL CENTER
1212 ROYAL PARKWAY
EULESS, TX 76040

MK Engineers and Associates, Inc.
FIRM REGISTRATION: F10656
400 CHISHOLM PLACE, SUITE 106
PLANO, TX 75075
Phone: (214) 501-3354
Email: info@mkainc.com



DWG. TITLE
STEEL DETAILS

DATE: 12/01/2020	SCALE: PER PLAN
DRAWN: KD/JJ	CHECKED: MK
PROJECT #: 20092	
SHEET #: S5.01	

**DESIGN CRITERIA 2019 N.F.P.A. 13:
DESIGN CRITERIA 2015 IFC AND THE CITY OF EULESS WITH AMENDMENTS.**

A3 ASSEMBLY

**ORDINARY HAZARD II - 0.2 GPM OVER THE MOST REMOTE 1,500 SQ.FT
MAXIMUM SPRINKLER HEAD SPACING 130 SQ.FT. PER HEAD. (STORAGE)**

**ORDINARY HAZARD I - 0.15 GPM OVER THE MOST REMOTE 1,500 SQ.FT
MAXIMUM SPRINKLER HEAD SPACING 130 SQ.FT. PER HEAD. (KITCHEN & SERVICE)**

**LIGHT HAZARD - 0.10 GPM OVER MOST REMOTE 1500 SQ.FT.,
MAXIMUM SPRINKLER HEAD SPACING 225 SQ.FT. PER HEAD. (ALL OTHER AREAS)**

SCOPE OF WORK:

EXISTING FIRE SPRINKLER SYSTEM REMODEL.
REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW HEADS.

FIRE PROTECTION INSTALLATION NOTES

1. ALL DESIGN, MATERIAL, FABRICATION, AND INSTALLATION SHALL CONFORM TO THE STANDARDS SET FORTH IN NFPA 13 2019, IFC 2015, AND THE CITY OF EULESS AMENDMENTS.

2. ALL MATERIALS AND DEVICES SHALL BE U.L. LISTED FOR FIRE PROTECTION SERVICE AND SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTINGS.

3. NEW SPRINKLER PIPE, SIZES 1" THRU 1-1/2" TO BE THREADED SCHEDULE 40 SPRINKLER PIPE, ASTM A-135, USING IRON PIPE THREADS WITH STANDARD CLASS 125 CAST IRON FITTINGS.

4. NEW SPRINKLER PIPE, SIZES 2" TO 8" TO BE SCHEDULE 10 BLACK STEEL SPRINKLER PIPE, CONFORMING TO ASTM A-135 USING ROLLED GROOVES WITH MECHANICAL GROOVED FITTINGS, AND LISTED WELDED OUTLETS.

5. PIPING SHALL BE SUBJECTED TO ACCEPTANCE TESTING IN ACCORDANCE WITH NFPA. ALL TESTING SHALL BE WITNESSED BY THE APPROVING AUTHORITIES.

6. OWNER TO PROVIDE PROPER HEAT IN AREAS PROTECTED BY WET PIPE SYSTEM TO PREVENT FREEZING OF WATER IN PIPES.

7. PIPE SIZING IS BASED ON HYDRAULIC CALCULATIONS. SEE PLAN FOR REQUIRED DENSITIES AND REMOTE AREAS.

8. ANY PAINTING OF PIPING SHALL BE PERFORMED BY OTHERS. CARE SHALL BE EXERCISED THAT NO PORTION OF ANY SPRINKLER IS PAINTED OR COATED WITH ANY SUBSTANCE.

9. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS IN ACCORDANCE TO NFPA LATEST EDITION WITH AMENDMENTS AS ADOPTED BY THE CITY OF EULESS, TEXAS REQUIREMENTS. MINIMUM HYDROSTATIC TEST PRESSURE SHALL BE 200 PSI FOR 2 HOURS OR 50 PSI IN EXCESS OF STATIC PRESSURE IF GREATER THAN 150 PSI.

10. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE UTILIZING HANGERS, MATERIALS, AND METHODS PER NFPA LATEST EDITION PIPING SUPPORT SHALL BE IN ACCORDANCE WITH THE LATEST NFPA EDITION

11. WET SYSTEM PIPING SHALL BE INSTALLED LEVEL TO DRAIN BACK TO THE SYSTEM RISER & TRAPPED SECTIONS OF PIPING SHALL HAVE AUXILIARY DRAIN CONNECTIONS IN ACCORDANCE WITH NFPA LATEST EDITION.

OWNER INFORMATION FOR SPARE SPRINKLERS
SPARE SPRINKLER HEADS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13, LATEST EDITION AT A LOCATION NEAR THE SPRINKLER RISER, FIRE PUMP ROOM, OR MAINTENANCE SHOP.

A MINIMUM OF TWO SPRINKLERS OF EACH TYPE AND TEMPERATURE RATING SHOULD BE PROVIDED.

THE STOCK OF SPARE SPRINKLERS SHALL INCLUDE ALL TYPES AND RATINGS INSTALLED AND SHALL BE AS FOLLOWS:

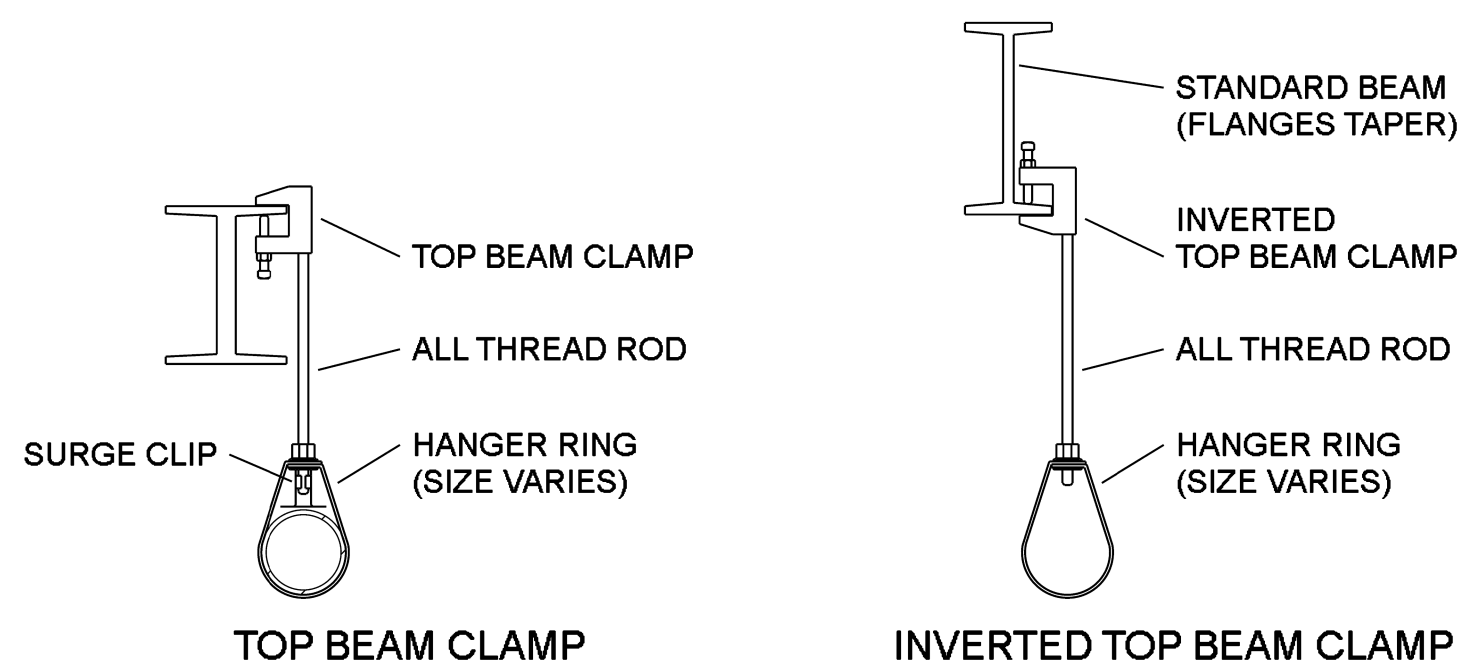
- (1) FOR PROTECTED FACILITIES HAVING UNDER 300 SPRINKLERS - NO FEWER THAN 6 SPRINKLERS
- (2) FOR PROTECTED FACILITIES HAVING 300 TO 1000 - NO FEWER THAN 12 SPRINKLERS
- (3) FOR PROTECTED FACILITIES HAVING OVER 1000 SPRINKLERS - NO FEWER THAN 24 SPRINKLERS

**** THE SPRINKLER HEAD WRENCHES ARE ONLY TO BE USED ON THE SPRINKLER HEADS FOR WHICH THEY ARE MADE AND FOR NO OTHER USE. ****

ELECTRIC SPRINKLER-FLOW DETECTION AND SUPERVISORY DEVICES FOR THE MONITORING OF THE SPRINKLER SYSTEM SHALL BE INSTALLED BY FIRE PROTECTION CONTRACTOR. ALL WIRING OF THE DEVICES IS THE RESPONSIBILITY OF OTHERS.

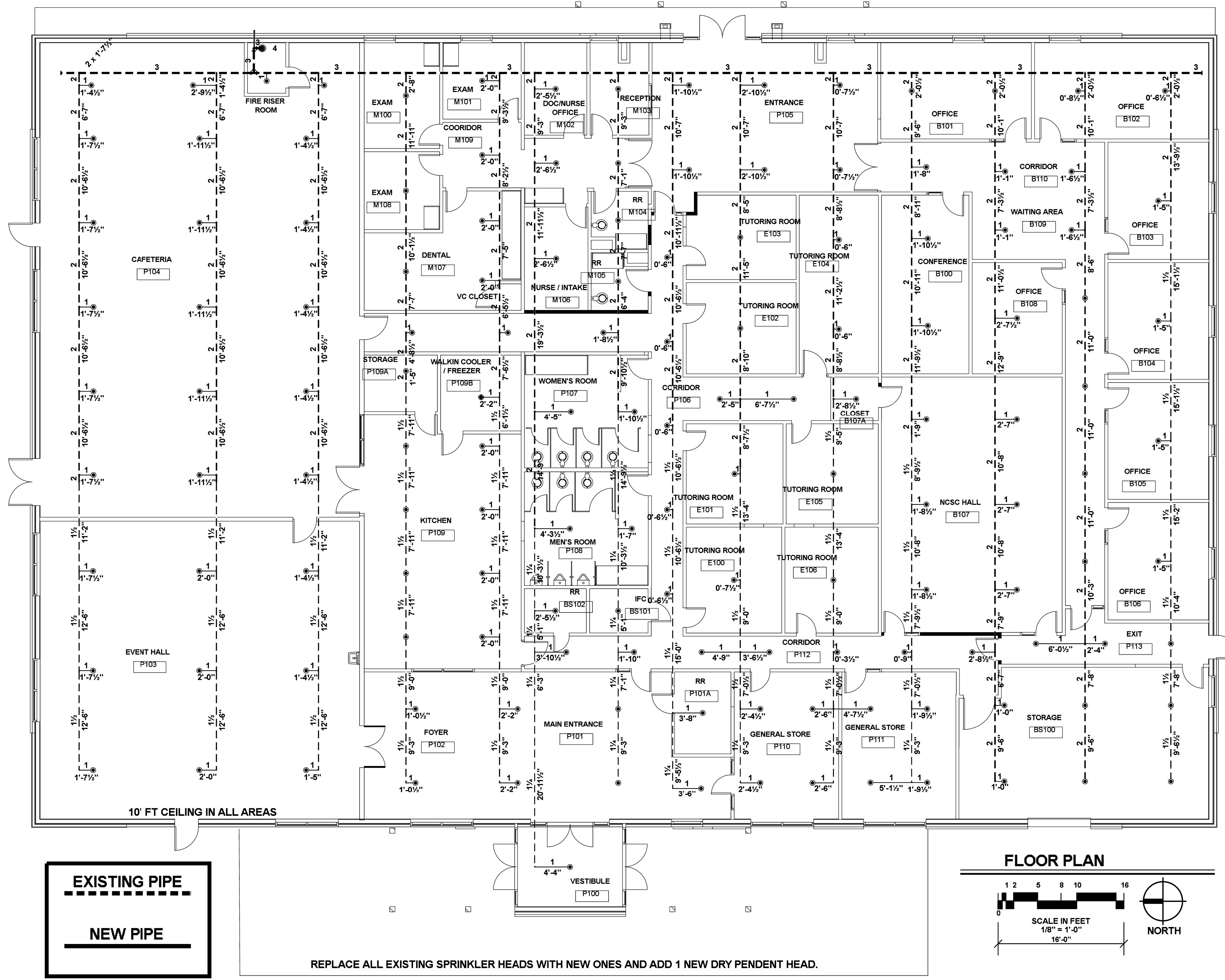
PER BUILDING CODE, SUPERVISION OF THE SPRINKLER-FLOW ALARM TO AN APPROVED CENTRAL STATION, REMOTE STATION, OR PROPRIETARY MONITORING STATION IS REQUIRED FOR THE FOLLOWING.:

SPRINKLER HEADS AND PIPING LOCATIONS ARE SUBJECT TO CHANGE TO DUE FIELD CONDITIONS. IN LOCATIONS SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT THROUGHOUT WET SPRINKLER SYSTEM AREAS.

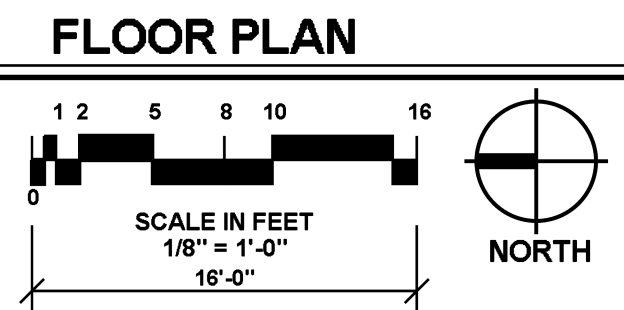


MAXIMUM DISTANCE BETWEEN HANGERS (ft.-in.)

NOMINAL PIPE SIZE	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"
-STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12'-0"	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
-THREADED LIGHTWALL STEEL PIPE	N/A	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	N/A	N/A	N/A	N/A	N/A
-COPPER TUBING	8'-0"	8'-0"	10'-0"	10'-0"	12'-0"	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
-CPVC	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"	10'-0"	N/A	N/A	N/A	N/A	N/A
-DUCTILE IRON PIPE	N/A	N/A	N/A	N/A	N/A	N/A	15'-0"	N/A	15'-0"	N/A	15'-0"	15'-0"



REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW ONES AND ADD 1 NEW DRY PENDENT HEAD.



Sprinkler Legend										
Symbol	SIN	Model	Quantity	K-Factor	Type	Size	Response	Orifice	Finish	Temperature
	GL5601	GL-QR	141	5.6K	Pendent	1/2"	Quick	1/2"	Chrome	155°F
	GL5635	GL-QR/DRY	1	5.6K	Pendent	1/2"	Quick	1/2"	Brass	175°F
			Total = 142							

DESIGN INFORMATION		DRAWING INFORMATION	
BUILDING CODE	2015 IFC WITH LOCAL AMENDMENTS	SYSTEM TYPE	Wet
NFPA CODE	2019 NFPA 13	DATE DRAWN	04/04/21
OCCUPANCY TYPE	A-3 (ASSEMBLY)	SCALE DRAWN	1/8" = 1'-0"
OCCUPANCY HAZARD	LIGHT/ ORDINARY 1	SCALE FACTOR	1:96
OCCUPANCY LOAD	1027 (15,000 SQ FT)	PLOT SIZE	24" X 36"
CONSTRUCTION TYPE	II-B	SHEET NUMBER	FP1

CONTRACTOR INFORMATION		PROJECT INFORMATION	
NAME	ECA	PROJECT NAME	NEPALI CULTURAL AND SPIRITUAL CENTER
ADDRESS 1	565 E. Church Street	PROJECT ADDRESS 1	1212 ROYAL PARKWAY
ADDRESS 2	Lewisville, TX 75057	PROJECT ADDRESS 2	EULESS, TX 76040
ADDRESS 3	-	PROJECT ADDRESS 3	-
SCR NUMBER	SCR-G-2457934	BUILDING STATUS	EXISTING BUILDING
PHONE NUMBER	469-916-1099	DRAWING TITLE	FIRE SPRINKLER INTERIOR REMODEL
DESIGNER	Dennis Gray	AHJ	City of Euleess Fire Department
RME NUMBER	RME-GD-1846533	PERMIT NUMBER	-

I Have Reviewed These Plans and Certify that They Comply with The Adopted NFPA Standards.	
ECA 565 E. Church Street Lewisville, TX 75057 469-916-1099 SCR-G-2457934 RME-Signature: <i>Dennis Gray</i> Printed RME Name: Dennis Gray RME-GD-1846533 Date: 04/04/21	
<input type="checkbox"/> AS-BUILT	<input checked="" type="checkbox"/> SUBMITTAL
<input type="checkbox"/> OTHER	

