

ABBREVIATIONS	
ACT	ACCOUSTICAL TILE
A.F.S	ABOVE FLOOR SLAB
AHU	AIR HANDLER UNIT
ALUM	ALUMINUM
CLG	CEILING
C.J.	CONTRACTION JOINT
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DET	DETAIL
DG	DOOR GRILLE
ELEV	ELEVATION
EWC	ELECTRIC WATER COOLER
E.J.	EXPANSION JOINT
FD	FIRE DAMPER
FE	FIRE EXTINGUISHER
F.F.	FACTORY FINISH
FLR	FLOOR
F.O.B.	FACE OF BRICK
F.O.S.	FACE OF STUD/ FACE OF SLAB
GA	GUAGE
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
H/W	HARDWOOD
H.MET	HOLLOW METAL
HT	HEIGHT
MAT'L	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
N.L.C.	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
P	PAINT AND COLOR NO.
PL	PLASTIC LAMINATE AND COLOR NO.
PT	PRESSURE TREATED
PVC	POLY VINYL CHLORIDE
RAD	RADIUS
R/A/G	RETURN AIR GRILLE
REIN	REINFORCING
RET	RETAINING
SCWD	SOLID CORE WOOD
SIM	SIMILAR
SHT	SHEET
SQ	SQUARE
STL	STEEL
THK	THICK
T.J.	TOOLED JOINT
T.O.B.	TOP OF BRICK
TYP	TYPICAL
USPS	UNITED STATES POSTAL SERVICE
VCT	VINYL COMPOSITION TILE
WD	WOOD
WWF	WELDED WIRE FABRIC

SYMBOLS

	EARTH & FILL		GRAVEL
	CONCRETE		BRICK
	CMU		RIGID INSULATION
	FINISH WOOD		STEEL
	ROUGH WOOD/STUDS OR BLOCKING		BATT INSULATION
	PLYWOOD		GYPSUM DRYWALL
	ACCOUSTICAL TILE		

PLAN & SECTION INDICATIONS

	BRICK		CONCRETE
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ELEVATION INDICATIONS

	BUILDING OR WALL DETAIL		WINDOW NUMBER
	DOOR NUMBER		SITE GRAPHIC
	DETAIL REFERENCE		FXP FIXTURE NUMBER
	CONTROL POINT ELEVATION		

GENERAL PROJECT NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENT REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF ANY ENGINEER REGISTERED IN THE STATE OF LOUISIANA.

THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AS REQUIRED FOR VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR PORTION THEREOF DURING CONSTRUCTION.

SHOP DRAWING NOTES:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON HIS REVIEW. ALL SHOP DRAWINGS SHALL BE REVIEW STAMPED BY CONTRACTOR PRIOR TO SUBMITTAL.

VERIFY ALL DIMENSIONS:

ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL TO BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.

THE ARCHITECT MAY DISAPPROVE CHANGES TO THE SHOP DRAWINGS IDENTIFIED AND SUBMITTED BY THE CONTRACTOR DURING SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF CONTRACT DOCUMENTS FOR SHOP DRAWINGS.

SCHEDULE PAINTING:

A. EXTERIOR SURFACES:

- METAL - ALKYD, GLOSS**
FIRST COAT - MOORE'S #M12 ALKYD METAL PRIMER
SECOND COAT - MOORE'S # M22 URETHANE ALKYD GLOSS ENAMEL
THIRD COAT - SAME AS SECOND COAT.
- METAL - ALKYD, GLOSS (GALVANIZED)**
FIRST COAT - MOORE'S # M104 ACRYLIC METAL PRIMER
SECOND COAT - MOORE'S # M22 URETHANE ALKYD GLOSS ENAMEL
THIRD COAT - SAME AS SECOND COAT
- EXTERIOR WOODWORK**
FIRST COAT - MOORE'S # 176 ALKYD PRIMER
SECOND COAT - MOORE'S # 170 ALKYD LATEX
THIRD COAT - SAME AS SECOND COAT
- EXTERIOR MASONRY ELASTOMERIC COATING**
FIRST COAT - BLOCK FILLER
SECOND COAT - ELASTOMERIC MASONRY WATERPROOFING COATING
THIRD COAT - SAME AS SECOND COAT
- STUCCO**
TWO (2) COATS ELASTOMERIC WATERPROOFING COATING.

INTERIOR SURFACES:

- METALS - ALKYD, SATIN (GALVANIZED)**
FIRST COAT - MOORE'S # M04 ACRYLIC METAL PRIMER
SECOND COAT - MOORE'S # 271 ALKYD ENAMEL
THIRD COAT - SAME AS SECOND COAT
- ALUMINUM - LATEX SATIN**
FIRST COAT - MOORE'S #283 LATEX ENAMEL
SECOND COAT - SAME AS FIRST COAT
- GYPSUM DRYWALL - LATEX EGGSHELL**
FIRST COAT - MOORE'S LATEX PRIMER
SECOND COAT - MOORE'S LATEX EGGSHELL
THIRD COAT - SAME AS SECOND COAT
- CONCRETE MASONRY UNITS - LATEX EGGSHELL**
FIRST COAT - MOORE'S # 285 LATEX BLOCKFILLER
SECOND COAT - MOORE'S # M26 LATEX EGGSHELL
THIRD COAT - SAME AS SECOND COAT
- CONCRETE MASONRY AND GYPSUM BD - EPOXY FINISH**
FIRST COAT - MOORE'S # 284 LATEX PRIMER
SECOND COAT - MOORE'S # M25 EPOXY ESTER
THIRD COAT - SAME AS SECOND COAT
- WOODWORK TRANSPARENT SATIN FINISH**
FIRST COAT - OIL BASED WOOD STAIN
SECOND COAT - ALL PRO # 3071 POLYURETHANE SATIN
THIRD COAT - SAME AS SECOND COAT
- WOODWORK - PAINT FINISH - LATEX SEMI GLOSS**
FIRST COAT - MOORE'S # 245 ALKYD UNDERBODY
SECOND COAT - MOORE'S # 285 LATEX ENAMEL
THIRD COAT - SAME AS SECOND COAT

B. INTERIOR SURFACES:

- METALS - ALKYD, SATIN**
FIRST COAT - MOORE'S # M12 ALKYD METAL PRIMER
SECOND COAT - MOORE'S # 271 ALKYD ENAMEL
THIRD COAT - SAME AS SECOND COAT

DRAWING INDEX

NO.	TITLE SHEET/ NOTES	NO.	TITLE SHEET/ NOTES
A-1	TITLE SHEET/ NOTES	ADA-1	ADA DETAILS
SP-1	SITE PLAN	CRS-/ CRS-2	COLD ROLLED STEEL DETAILS
SD-1	SITE DETAILS	P-1	PLUMBING
C-1/ C-2	CIVIL DRAWINGS	P-2	PLUMBING
A-2	FLOOR PLAN/ SCHEDULES	M-1	HVAC
PT-1	FOUNDATION PLAN	E-1/ E-2	TITLE SHEET/ NOTES
A-3	DETAILS/ NOTES	ME-1- ME-3	TYPICAL MECHANICAL DETAILS
A-4	ELEVATIONS		
A-5	DETAILS		
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CN-1	NOTES		
H-1/ H-15	HOOD DRAWINGS		

NEW RESTAURANT FOR HABANERO'S MEXICAN KITCHEN 1938 LA HWY 22 WEST MADISONVILLE, LOUISIANA 70447

PROJECT DESCRIPTION: "A" ASSEMBLY - NEW RESTAURANT
GROSS BUILDING AREA: 2,525 SQ. FT.

OCCUPANCY LOAD:

DINING AREA: 1093/15 = 73
(TABLE & CHAIRS)
BAR: 24LF/ 1.5' = 16
KITCHEN: 450SF/200 = 3
OFFICE: 42 SF/1 = 1
TOTAL OCCUPANTS LOAD = 93

GROSS BUILDING AREA: 2,525 SQ FT
"A-2" IBC-2015/ NFPA 101-2015
LESS THAN 300 OCCUPANTS

CODES:

2015 EDITION NFPA LIFE SAFETY CODE-NINTH EDITION- 101
2015 EDITION INTERNATIONAL BUILDING CODE
2015 EDITION INTERNATIONAL EXISTING BUILDING CODE (LESS THAN 50%)
2014 EDITION NATIONAL ELECTRIC CODE (WITH LOUISIANA AMENDMENTS)
2015 EDITION INTERNATIONAL MECHANICAL CODE
2015 EDITION INTERNATIONAL FUEL GAS CODE
2015 EDITION INTERNATIONAL PLUMBING CODE (LOUISIANA PLUMBING CODE W/ AMENDMENTS)
ADA- ABA JULY 2004 (ALSO KNOWN AS THE 2010 EDITION)

NEW OCCUPANCY: GROUP "A" - (A-2) ASSEMBLY - IBC-2015, NFPA 101-2015
CONSTRUCTION: TYPE- III-B NON SPRINKLED/ TYPE V-B NON SPRINKLED
WIND SPEED: 130 MPH- 3 SEC GUST- IBC 2015
FIGURE 1609C- V-ULT (1609.3) IBC SECTION 1609
WIND ZONE: "B" - IBC-2015 (1609.4.2)
FLOOD CATEGORY: "X"
RISK CATEGORY: II- IBC 2015 (TABLE 1604.5)
ROOF LOAD: 20 PSF
SNOW LOAD: 5 PSF
FLOOR LOAD: 100 PSF

WIND DATA

INTERNAL PRESSURE COEF. : +0.18/ -0.18 (ENCLOSED)- ASCE-7-10

CONSTRUCTION: ASSEMBLY 2,563 SF TYPE III-B NON-SPRINKLED

FINISHED FLOOR ELEVATION: TOPO FACTOR: "I"
SEISMIC DESIGN CATEGORY: "A"
SEISMIC USE GROUP: "I"
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC SITE CLASS: "D"
RISK CATEGORY: II
SEISMIC ZONE: I
SURFACE ROUGHNESS: "B"

$F_{PGA} = 1.600$
 $F_a = 1.6$
 $F_v = 4.4$
 $S_s = 0.103g$
 $S_1 = 0.057g$
 $S_{Ds} = 0.11g$
 $S_{D1} = 0.091g$
 $S_{M5} = 0.165g$
 $S_{M1} = 0.136g$
*Based on IBC 2015

WIND DATA

INTERNAL PRESSURE COEF. : +0.18/ -0.18 (ENCLOSED)- ASCE-7-10

CLADDING/ COMPONENTS COEF.: (PNET) - ASCE -7-10 SIMPLIFIED DESIGN METHOD FOR LOW RISE BUILDINGS LESS THEN 60'-0" TALL

ZONE	1	2	3	4	5
	+11.4	+11.4	+11.4	+30.0	+30.0
	-32.3	-38.2	-38.2	-33.0	-36.7

GENERAL NOTES:

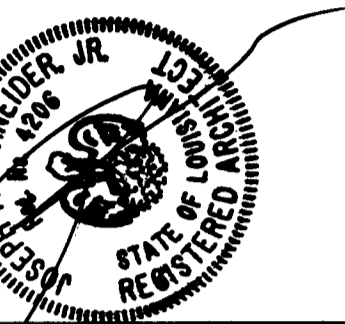
- ALL INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPED OF 0-450.
- INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-75 AND SMOKE DEVELOPED RATING OF 0-450. CLASS "A" AT INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS.
2A. INTERIOR WALLS AND CEILINGS FINISHES AT CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS SHALL BE CLASS "B" F/AME SPREAD 0 -25, SMOKE DEVELOPED 0 -450
2B. INTERIOR WALLS AND CEILINGS AT ROOMS AND ENCLOSED SPACES SHALL BE CLASS "C": FLAME SPREAD 0 -200, SMOKE DEVELOPED 0 -450
- PORTABLE FIRE EXTINGUISHERS SHALL COMPLY WITH NFPA AND BE 4A-60BC, 10 LB. WALL MOUNTED WITH BRACKETS AT 5'-0" TO CENTER OF EXTINGUISHER DIAL.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NFPA 70- 2014 EDITION.
- ALL HVAC WORK SHALL COMPLY WITH NFPA 101.9.2. - 2015 EDITION.
- CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES.
- CONTRACTOR TO PROVIDE ALL INSURANCE DURING THE PROJECT AS INDICATED ON BID FORMS.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL TURN OVER TO THE OWNER ALL CLOSE-OUT DOCUMENTS, WARRANTIES, GUARANTEES, O&M MANUAL, LIEN WAIVERS, AIA FORMS 6706 & G706A, CONSENT OF SURETY, CONTRACTOR'S ONE YEAR WARRANTY, AND "AS-BUILT DRAWINGS".
- ALL GYPSUM BOARD SHALL BE 5/8" ON FIRE RATED BOARD ON RATED WALLS WHERE INDICATED ON PLANS.
- INSTALL ADA SIGNS AT ALL TOILET ROOMS. EACH SIGN SHALL BE 8" HIGH X 6" WIDE MOUNTED PER ADA REQUIREMENTS. FURNISH SIGNS WITH HANDICAPPED SYMBOL AND BRAILLE TYPE. SIGN SHALL BE LABELED "MEN" & "WOMEN".
- PROVIDE "ADA" WALL MOUNTED "EXIT" (NON ILLUMINATED) SIGN AT ALL EXITS. COORDINATE LOCATION WITH ARCHITECT.
- ALL GYPSUM BOARD AT TOILET ROOMS SHALL BE TYPE 1/2" "XP" PURPLE MR/ IMPACT RESISTANT GYP. BD 5/8" FR WHERE LOCATED ON FIRE RATED WALL.
- ALL MEMBRANE PENETRATION SHALL CONFORM TO IBC 2015 - 711.3.2 AND 711.3.1.2.

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THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER MY CLOSE PERSONAL SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THEY COMPLY WITH ALL CITY REQUIREMENTS, AND THAT I AM ADMINISTERING THE PROJECT.

BY:
LICENSE NO. 4206

REVISIONS BY



NEW RESTAURANT FOR
HABANERO'S MEXICAN KITCHEN
1938 LA HWY 22 WEST
MADISONVILLE, LOUISIANA 70447

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT

105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-0714
jfsarchitect@charter.net

DRAWN

CHECKED
J. SCHNEIDER

DATE

08/29/2019

SCALE

AS NOTED

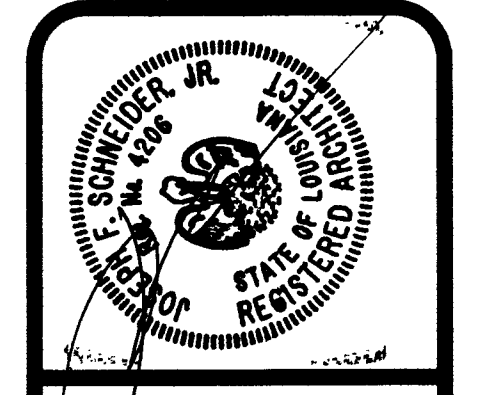
JOB NO.

SHEET

A-1

OF SHEETS

REVISIONS	BY



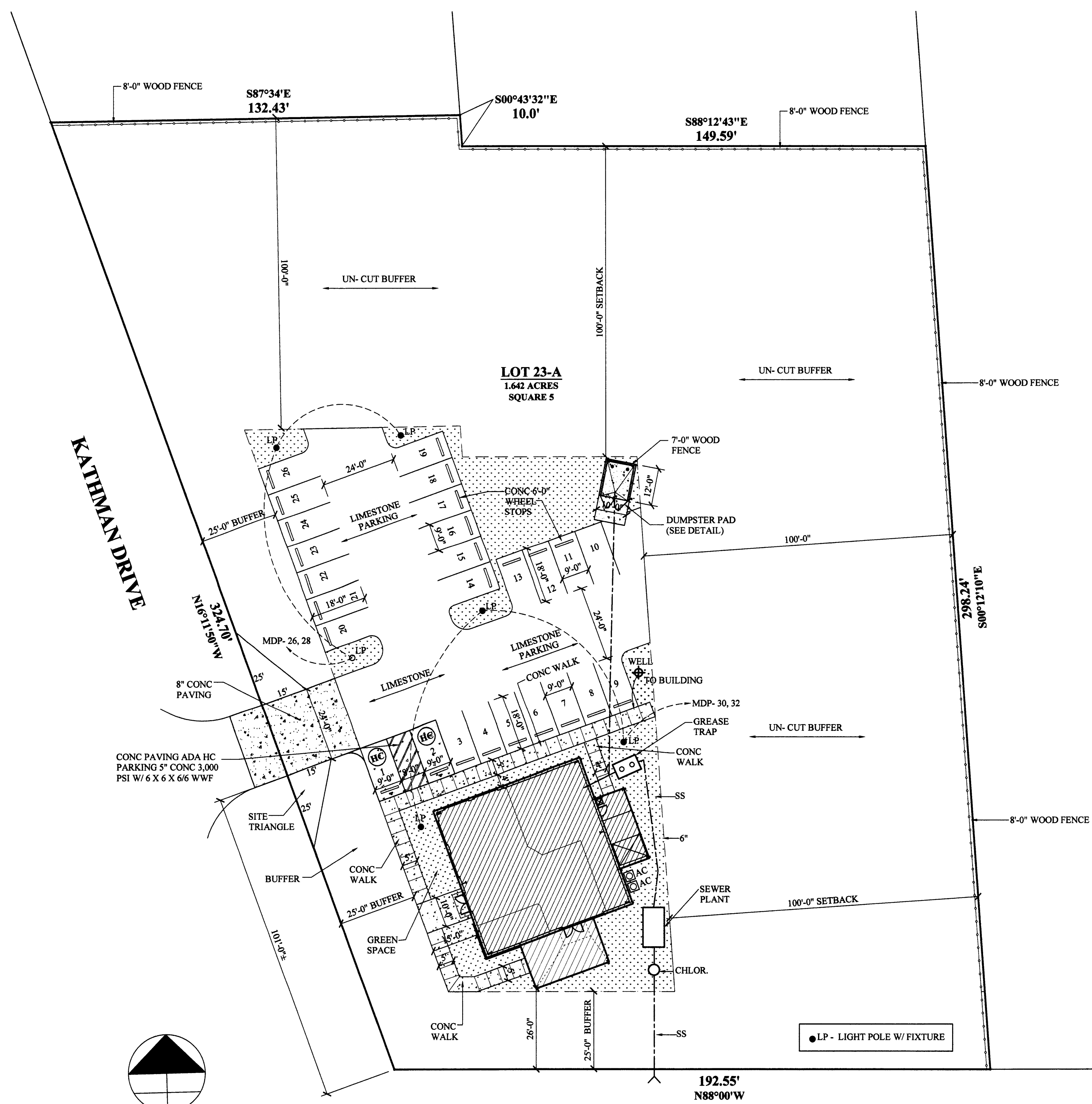
**NEW RESTAURANT FOR
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DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
08/29/2019
SCALE
AS NOTED
JOB NO.

SHEET
SP-1
OF SHEETS

MARY STREET (SIDE)

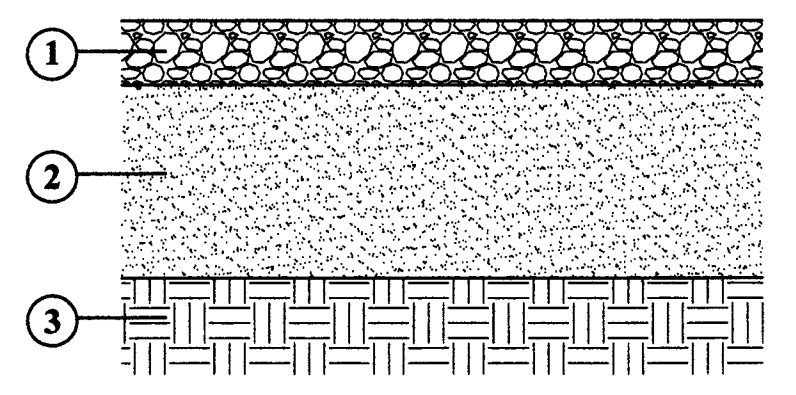


LOUISIANA HIGHWAY NO. 22

LOTS 23-4, SQUARE 5, LIVE OAK HILLS SUBDIVISION, IN SECTION 18,
TOWNSHIP 7 SOUTH, RANGE 10, TAMMANY PARISH, LOUISIANA

SITE PLAN

SCALE: 1" = 20'-0"



TYP AGGREGATE PARKING SECTION
NOT TO SCALE

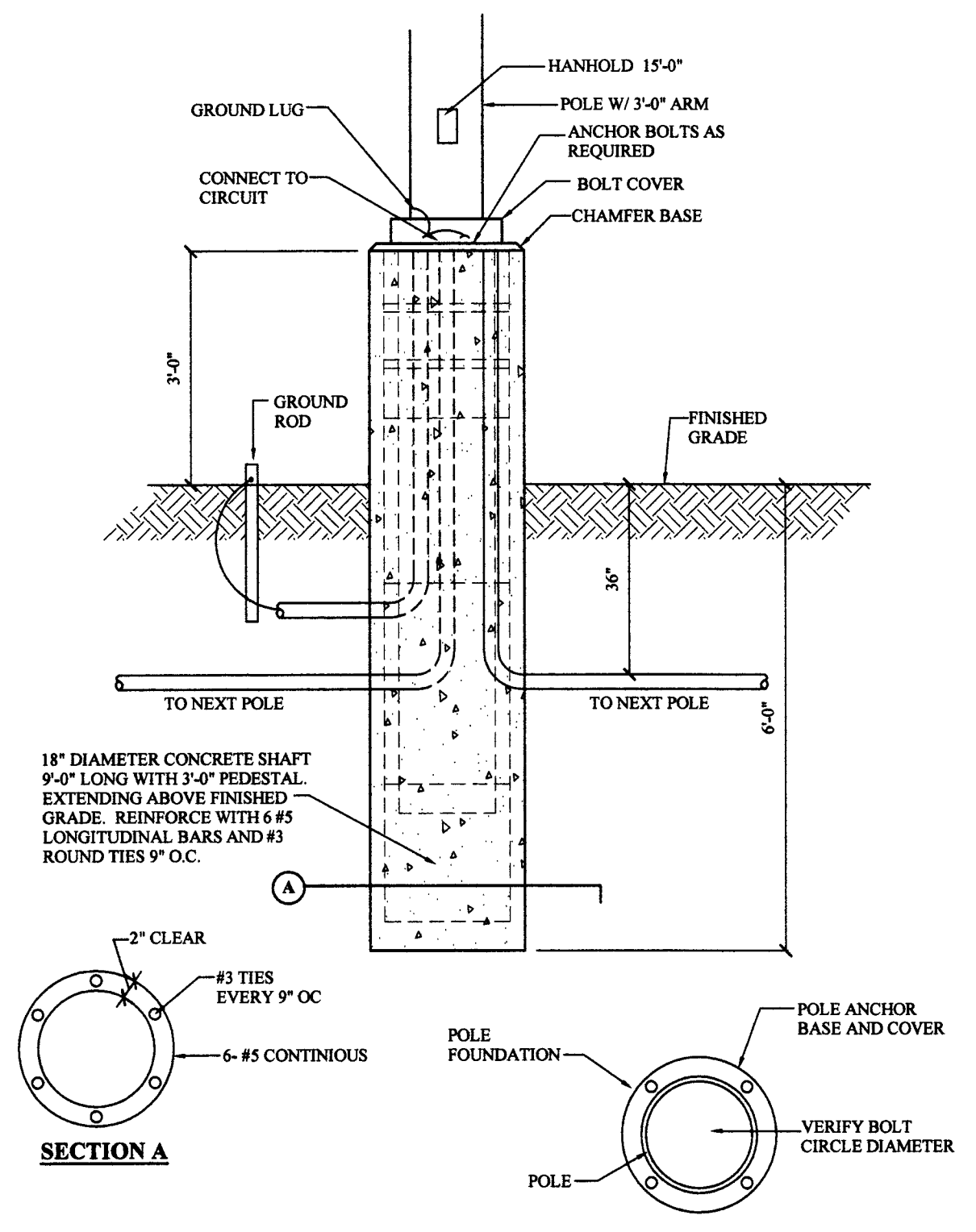
LEGEND:

- ① 4" (MIN) 610 LIMESTONE
- ② 12" (MIN) SUBBASE, A-4 OR BETTER MATERIAL, COMPACTED TO 97% IN ACCORDANCE WITH DOT DESIGNATION, TR418.
- ③ EXISTING INSITU SOIL.

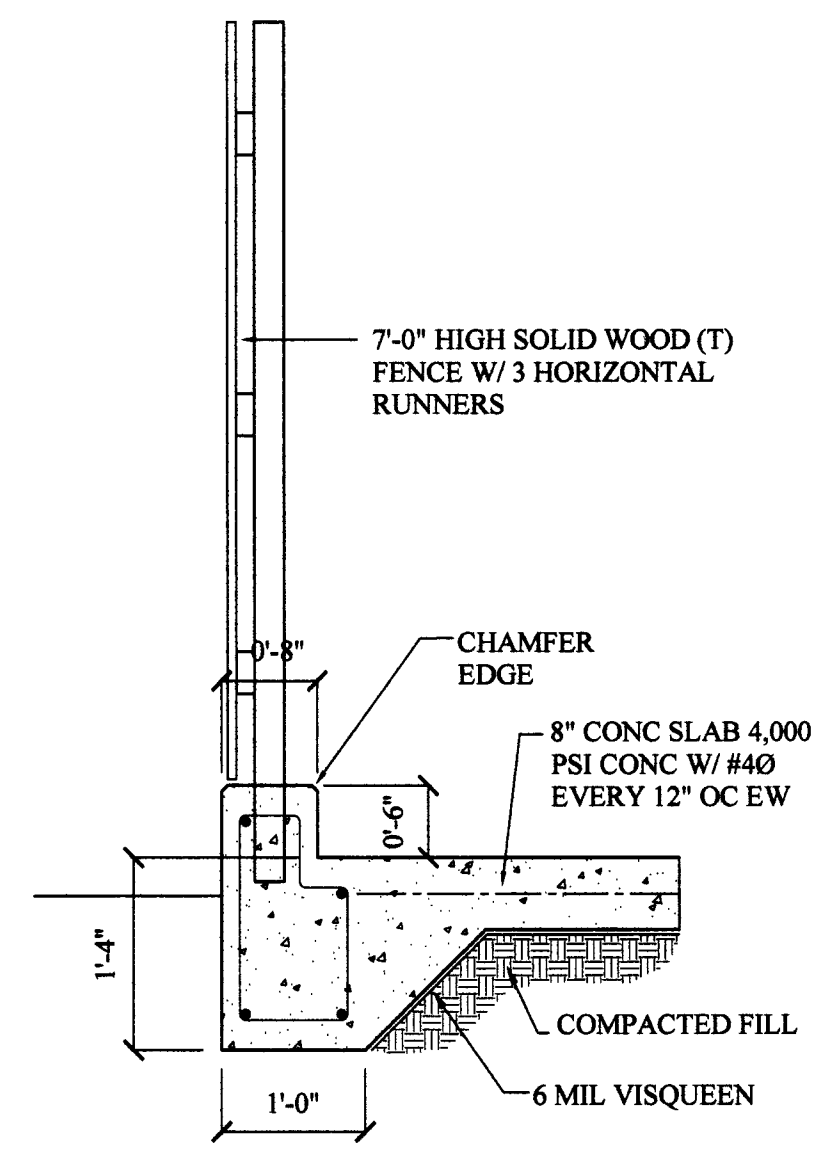
NOTE: CONTRACTOR TO PROOF ROLL EX. BASE PRIOR TO PLACING GRAVEL AND GRADING. ANY SOFT AREAS ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO PREPARING, AFTER INITIAL COMPACTION THE SURFACE SHALL BE WETTING AS NECESSARY AND ROLLED WITH A PNEUMATIC-TIRE OR STEEL-WHEEL ROLLER TO A TIGHT UNIFORM SURFACE.

BASE PREPARATION:

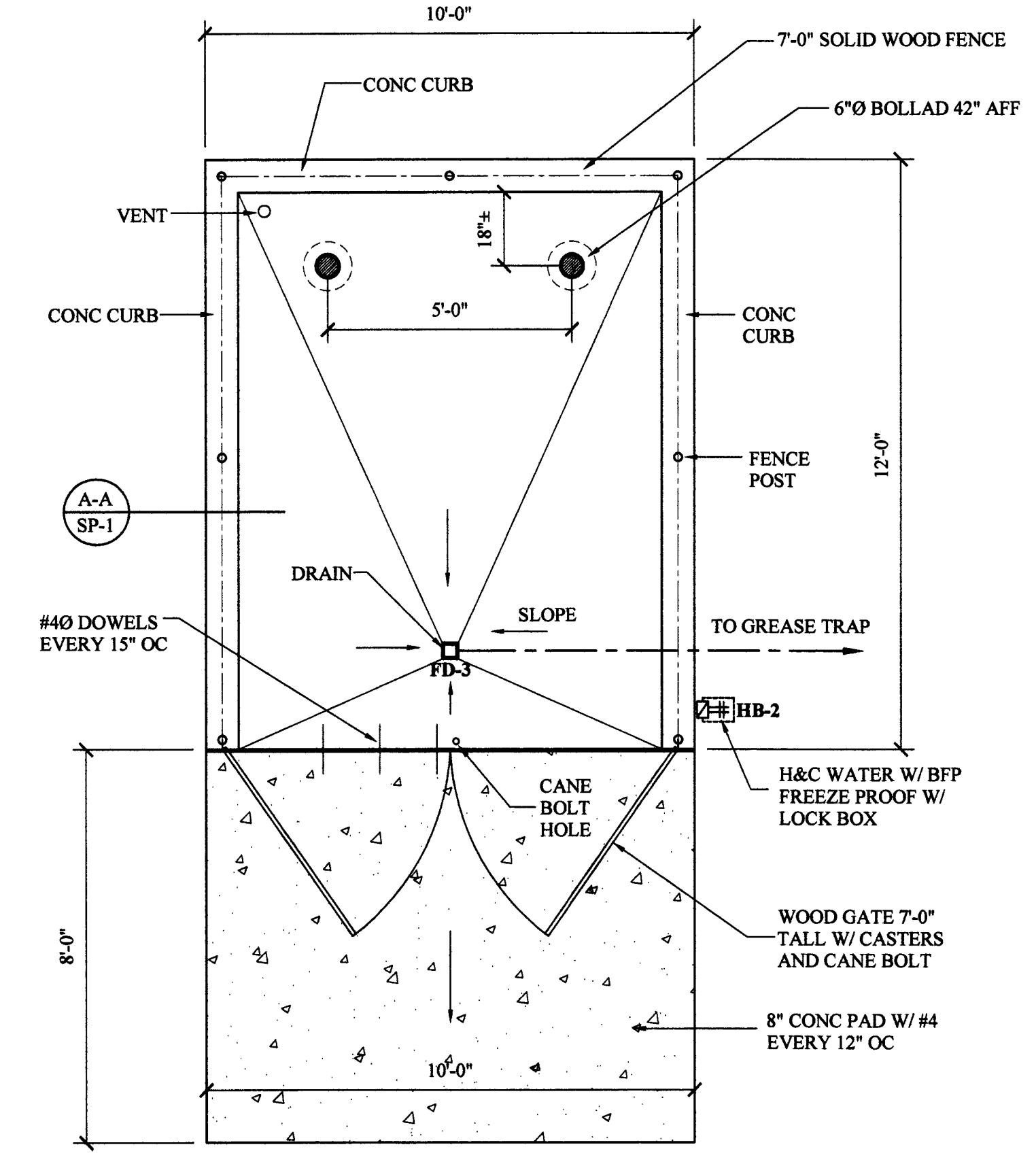
1. UNLESS OTHERWISE NOTED, ALL WORK AND MATERIAL. TO BE IN COMPLIANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2000 EDITION SECTION 201, UNLESS OTHERWISE NOTED.
2. GRUB BASE MATERIAL TO A MIN. DEPTH OF 12".
3. EXISTING EARTHEN MATERIAL TO REMAIN SHALL BE SCARIFIED FOR THE FULL PARKING AREA AND A MINIMUM DEPTH OF 6 INCHES, SHAPED TO THE REQUIRED SECTION AND UNIFORMLY COMPACTED TO AT LEAST 100% FOR BASE, AS DETERMINED BY DOT DESIGNATIONS: TR4158.
4. THE SCARIFIED, SHAPED AND COMPACTED BASE SHALL HAVE A SMOOTH, UNIFORM, CLOSELY KNIT SURFACE, FREE FROM RIDGES, WAVES, DEPRESSIONS OR LOOSE MATERIAL, PRIOR TO PLACEMENT OF GRAVEL.



SITE LIGHT POLE DETAIL
NTS

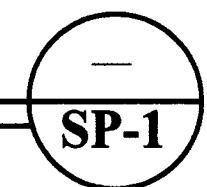


DETAIL
SCALE: 3/4"=1'-0"



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

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SP-1

SOIL TREATMENT

1. QUALITY ASSURANCE

A. APPLICATOR SHALL BE EXPERIENCED IN THIS FIELD AND BE LICENSED, REGISTERED AND BONDED PER STATE OF LOUISIANA REQUIREMENTS AND MEET THE APPROVAL OF THE ARCHITECT PRIOR TO COMMENCING WORK.

2. GUARANTEE

- A. UPON COMPLETION OF SOIL TREATMENT AND AS CONDITION OF FINAL ACCEPTANCE, FURNISH THE OWNER A WRITTEN ONE (1) YEAR BONDED GUARANTEE.
- B. GUARANTEE SHALL STATE THAT THE APPLICATION WAS MADE AT THE CONCENTRATION RATES AND METHODS TO COMPLY WITH THESE SPECIFICATIONS.
- C. THE EFFECTIVENESS OF THE GUARANTEED FOR NOT LESS THAN ONE (1) YEAR WITHOUT COST TO THE OWNER AND AT THE END OF SAID PERIOD, THE OWNER SHALL BE OFFERED A RENEWABLE CONTRACT ON A YEARLY BASES AT THE OWNER'S OPTION AND ON AN AGREED UPON ANNUAL FEE.
- D. RE-TREATMENT UPON EVIDENCE OF SUBTERRANEAN TERMITE ACTIVITY SHALL BE AT NO COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
- E. DAMAGE TO THE BUILDING CAUSED BY TERMITES SHALL BE CORRECTED WITHOUT COST TO THE OWNER AND IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES.
- F. THE GUARANTEE IS NOT CANCELABLE BY ANY PARTY OF THE CONTRACT, EXCEPT THE OWNER.
- G. DRAW THE GUARANTEE IN FAVOR OF THE OWNER AND SUBMIT A SAMPLE FORM TO THE ARCHITECT FOR APPROVAL BEFORE BEGINNING WORK.

3. TIME OF APPLICATION

- A. DO NOT BEGIN TREATMENT UNTIL ALL PREPARATIONS FOR SLAB PLACEMENT HAVE BEEN COMPLETED.
- B. TREATMENT SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF VAPOR BARRIER AND REINFORCING STEEL AND MESH.
- C. DO NOT APPLY TREATMENT WHEN SURFACE WATER IS PRESENT ON SURFACES TO RECEIVE TREATMENT.

4. LOCATION

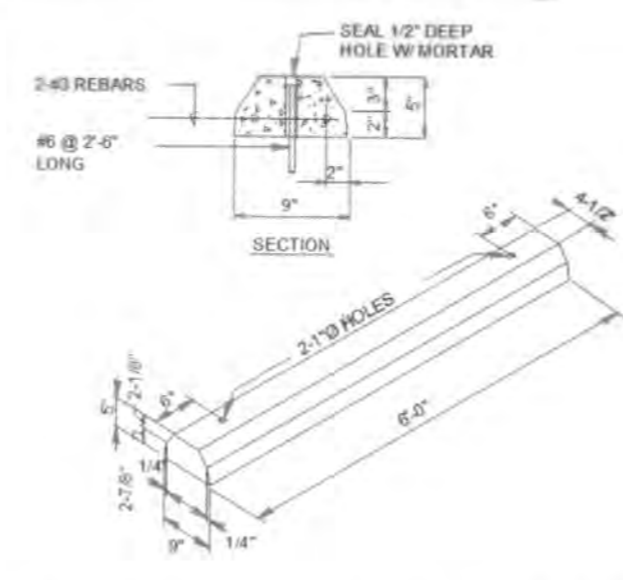
- A. APPLY SOIL TREATMENT TO ALL AREAS BENEATH CONCRETE FLOOR SLABS ON GRADE OR FILL, AND ALONG THE INTERIOR SIDE OF ALL FOUNDATION WALLS AND GRADE BEAMS.
- B. WHERE THE EXTERIOR WALL OF THE FOUNDATION IS ABUTTED BY OTHER CONCRETE SLABS OR SURFACES, TREAT THE EXTERIOR SIDE OF THE FOUNDATION WALLS AND GRADE BEAMS AS SPECIFIED FOR INTERIOR SIDE OF SUCH WALLS.

5. RATE OF APPLICATION

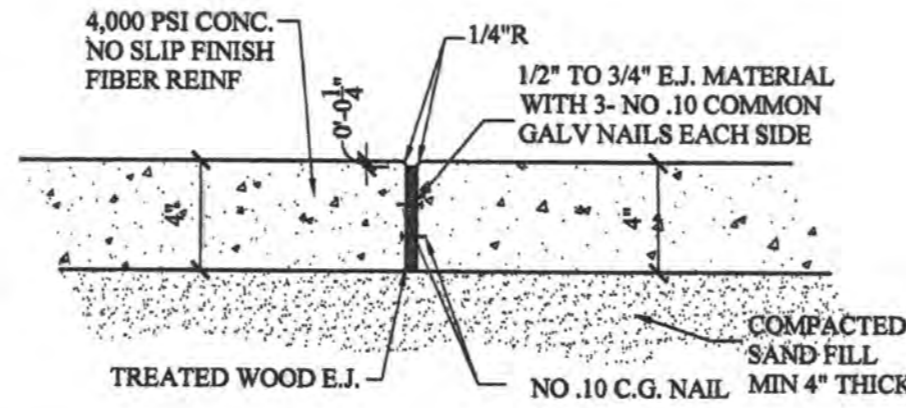
- A. APPLY SOLUTIONS AS REGULATED BY THE ENVIRONMENTAL PROTECTION AGENCY AND ANY AND ALL REGULATORY AGENCIES.

6. RE-TREATMENT

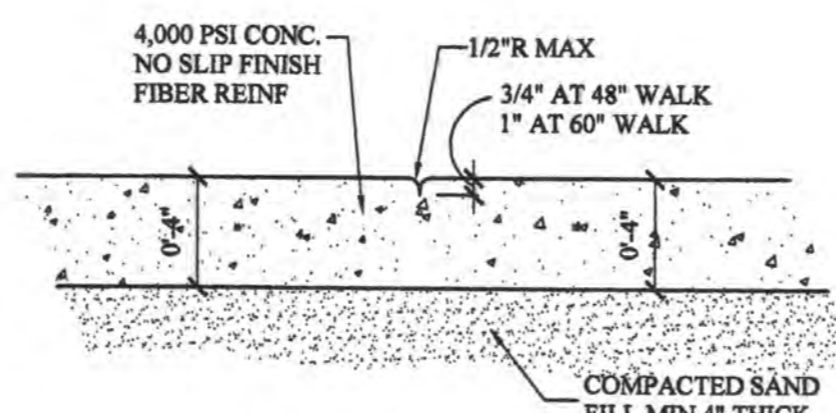
- A. ALL CHEMICALS USED IN ANY RE-TREATMENT MUST BE PREVIOUSLY CERTIFIED AS TO TYPE OF CHEMICAL AND RATE ON CONCENTRATION.



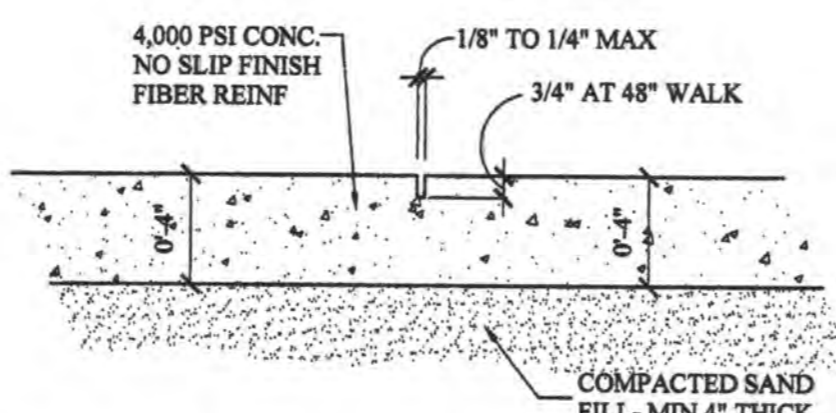
PRECAST CONCRETE WHEEL STOP



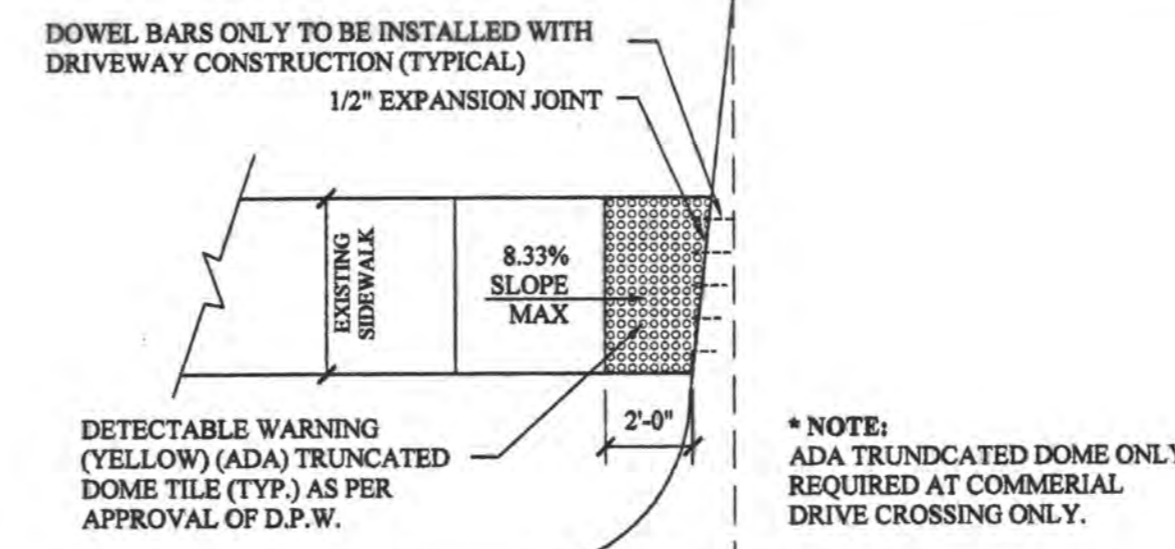
TYPICAL EXPANSION JOINT- SIDEWALK
SPACING MAX 60'-0"



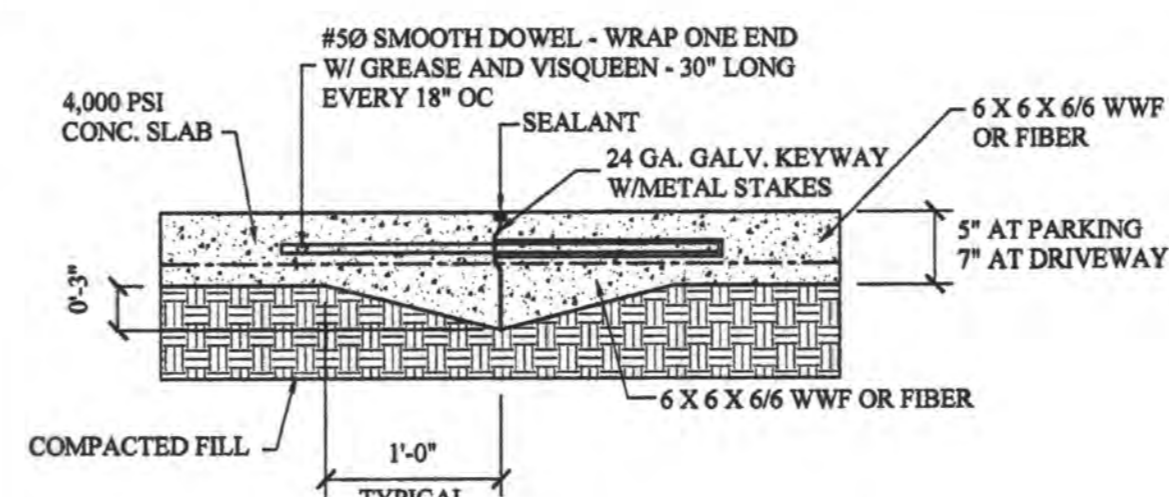
HAND TOOLED SIDEWALK JOINT



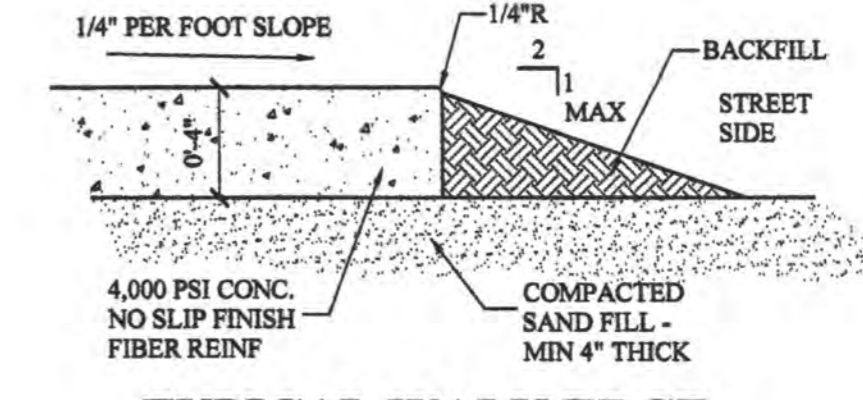
TYPICAL SAW CUT JOINT AT WALK



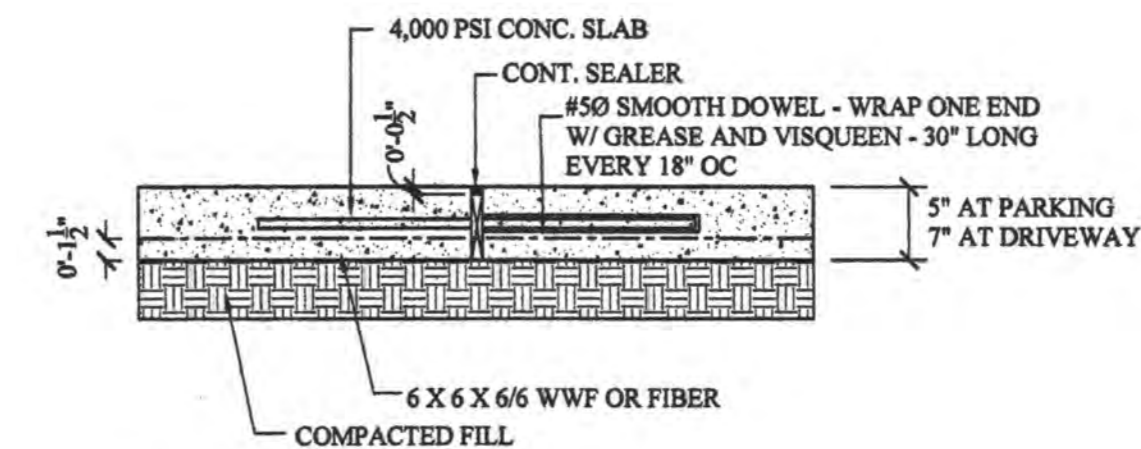
TYPICAL DUMMY JOINT
NOT TO SCALE



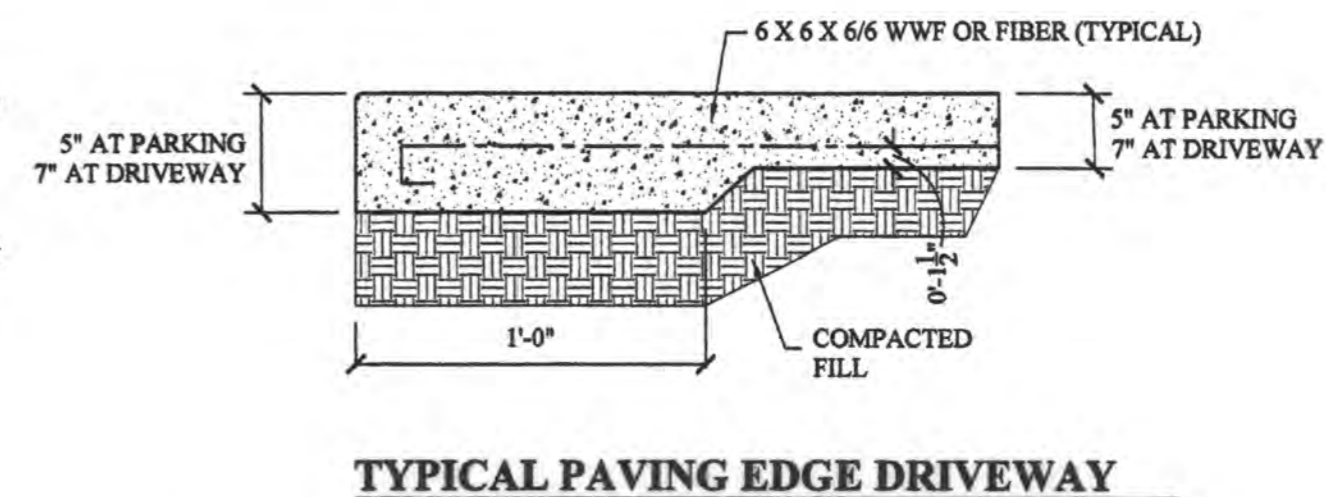
TYPICAL CONSTRUCTION JOINT
NOT TO SCALE
12'-0\"/>



TYPICAL WALK EDGE



TYPICAL EXPANSION JOINT
NOT TO SCALE

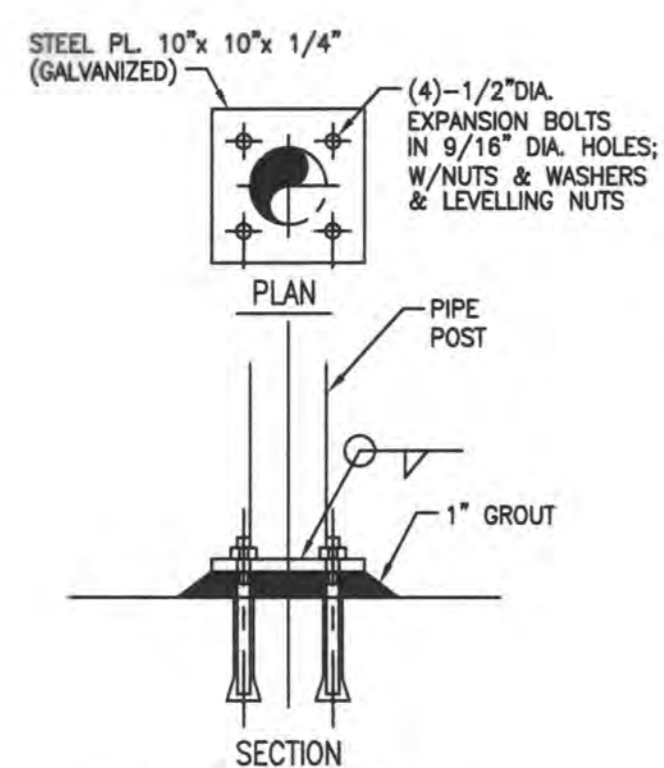


TYPICAL PAVING EDGE DRIVEWAY
NOT TO SCALE

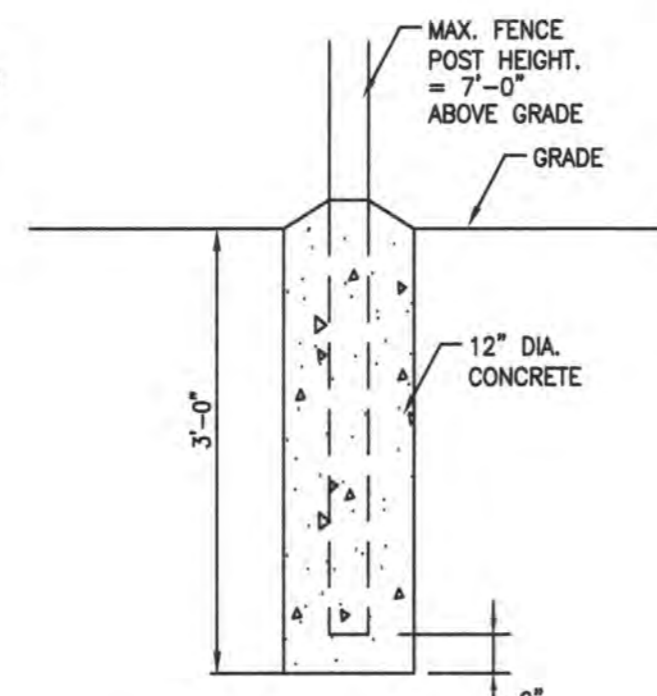
PRIOR TO ANY EXCAVATION WORK BEING PERFORMED OR FOUNDATION WORK, THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS SHALL NOTIFY LOUISIANA ONE-CALL AT 1-800-272-3020 FOR LOCATION OF ALL SUB-SURFACE UTILITIES. ALL NOTIFICATION SHALL COMPLY WITH THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW.

REFER TO SITE PLAN FOR LOCATION OF LIMESTONE AGGREGATE PARKING AND HARD SURFACE PAVING.

ADA PARKING TO BE CONCRETE SURFACING.



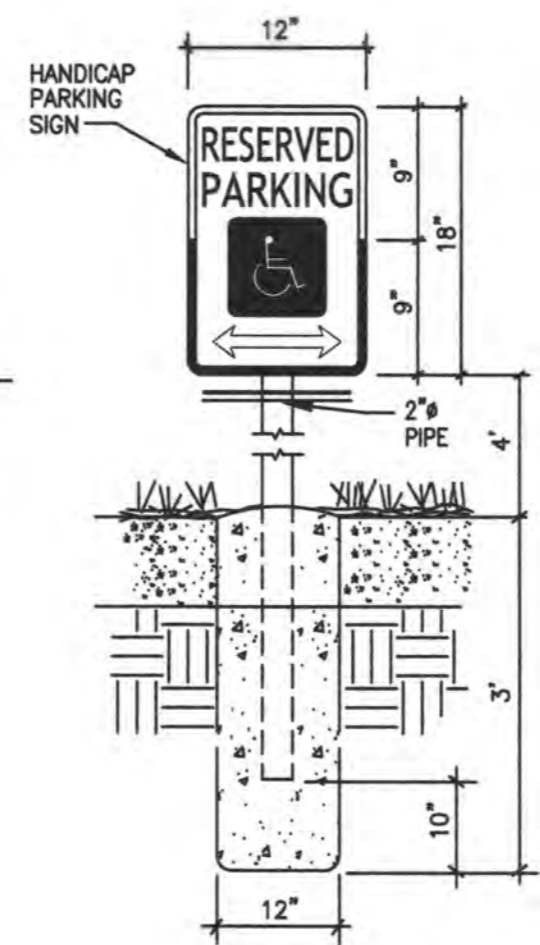
At Concrete Pavement



At Grassy Areas

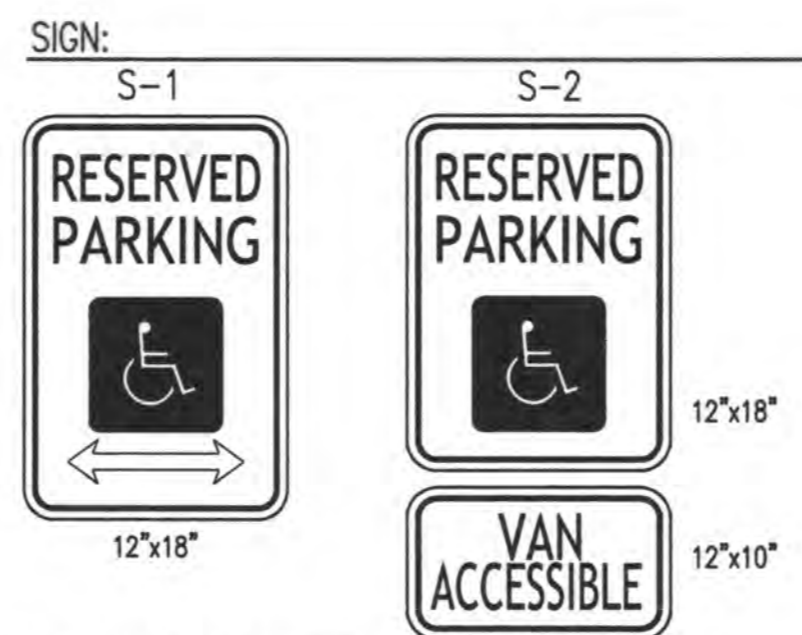
TYPICAL FENCE POST INSTALLATION

N.T.S.



TYPICAL HC SIGN DETAIL

N.T.S.

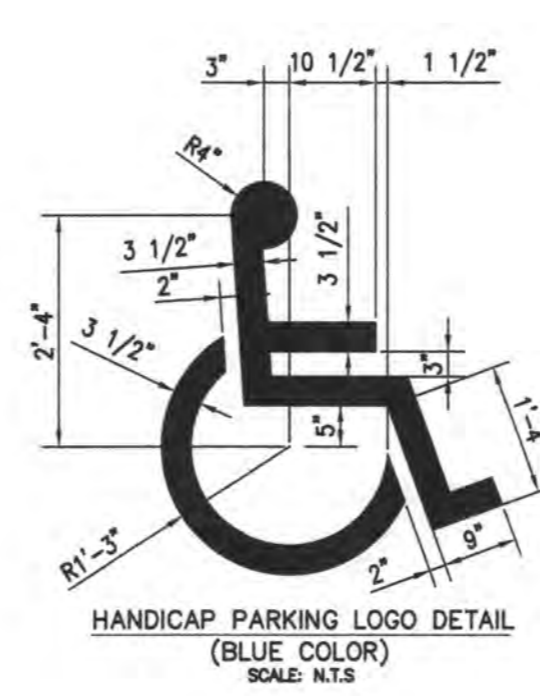


* SINGLE AND/OR DOUBLE HEADED ARROWS MAY BE USED TO MARK MULTIPLE RESERVED PARKING SPACES. ARROW SHOULD BE OMITTED WHEN SIGN IS TO BE USED TO MARK A SINGLE SPACE.

COLORS:
LEGEND AND BORDER: GREEN
BACKGROUND: WHITE
WHITE SYMBOL ON BLUE BACKGROUND

NOTE:
MOUNTING HEIGHT FOR SIGNS S-1 & S-2 SHOULD BE 7' FROM TOP OF GROUND TO BOTTOM OF SIGN.

N.T.S.



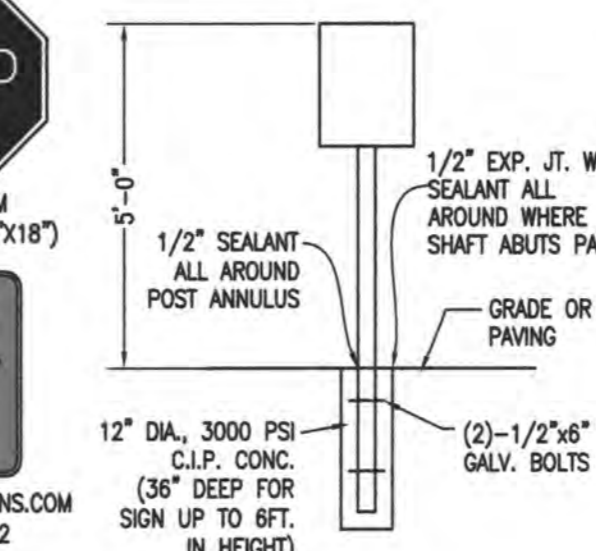
HANDICAP PARKING SPACE MARKING DETAIL

N.T.S.



TYPICAL DETAILS- ON-SITE TRAFFIC SIGNAGE

NOT INTENDED FOR SIGNS IN PUBLIC R/W



TYPICAL DETAILS- ON-SITE TRAFFIC SIGNAGE

NOT INTENDED FOR SIGNS IN PUBLIC R/W

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SITE DETAILS

REVISIONS	BY
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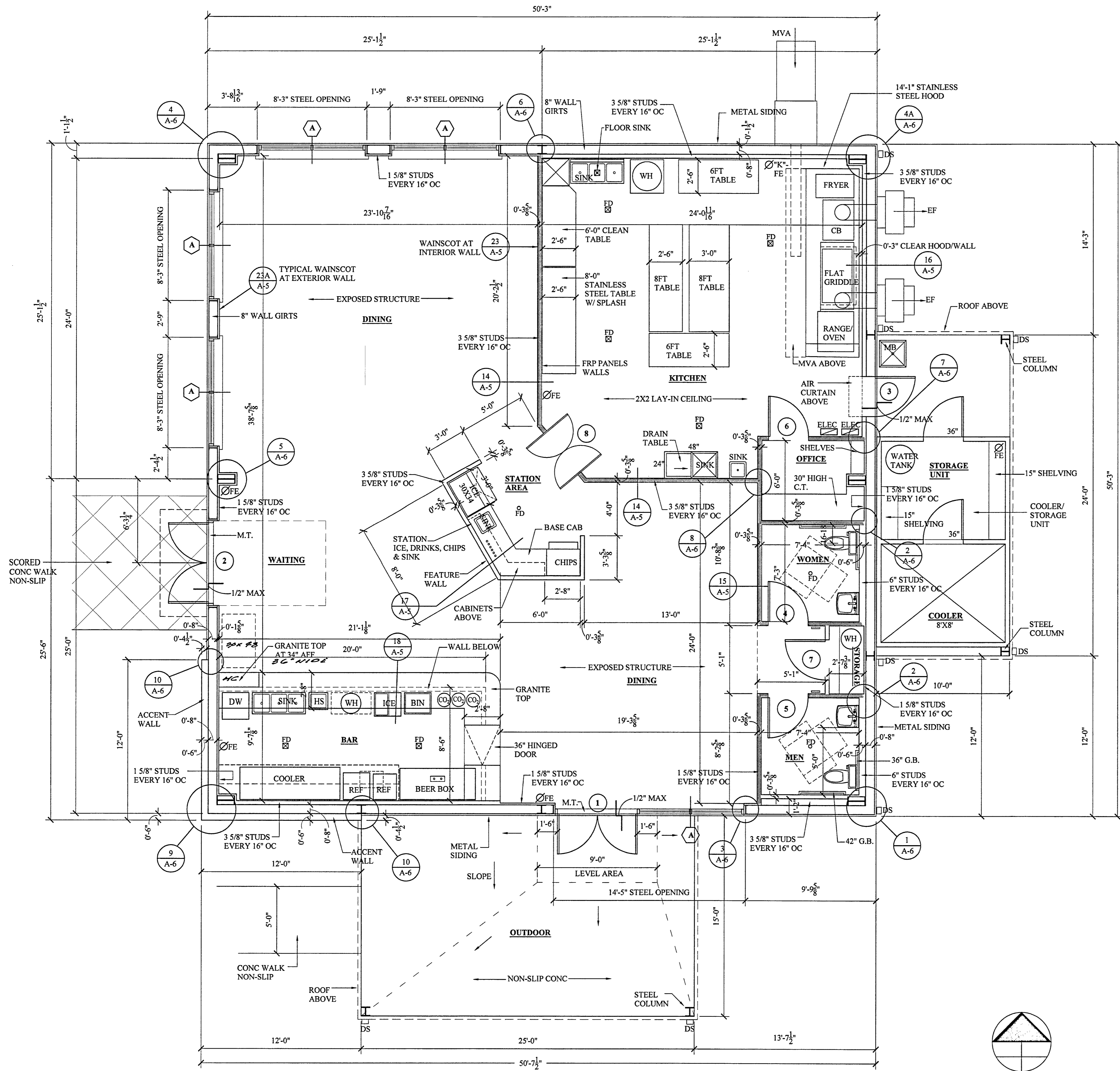


NEW RESTAURANT FOR
HABANERO'S MEXICAN KITCHEN
1938 LA HWY 22 WEST
MADISONVILLE, LOUISIANA 70447

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT

105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-4714
jfsarchitect@charter.net

DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE
SCALE AS NOTED
JOB NO.
SHEET SD-1
OF SHEETS



FLOOR PLAN-

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

A-2

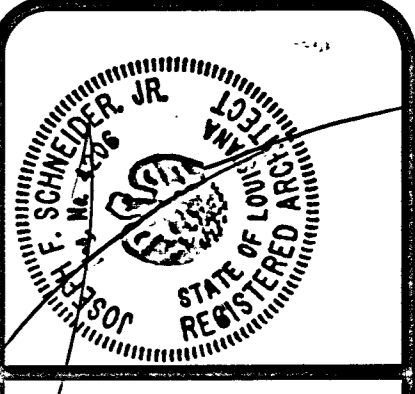
DOOR SCHEDULE	
NO.	DESCRIPTION
1 2	2- 3068 X 1-3/4" CLEAR ANODIZED ALUMINUM MEDIUM STILE GLASS/ALUMINUM DOOR WITH 2"X 4-1/2" ALUMINUM FRAME SYSTEM. PROVIDE PUSH/PULL ADA HARDWARE, THRESHOLD, WEATHER-STRIPPING, AND RIM TYPE EXIT HARDWARE. DOOR GLAZING SHALL BE 1/4" LOW-E SAFETY GLAZING.
3	3068 X 1-3/4" INSULATED FLUSH HEAVY DUTY HOLLOW METAL DOOR AND FRAME WITH CLOSER, ENTRY CYLINDER HARDWARE, WEATHER-STRIPPING, THRESHOLD. PROVIDE LEVER ON LOCKSET HARDWARE.
4 5	3068 X 1-3/4" SOLID CORE FLUSH WOOD PRE-FINISHED DOOR WITH HOLLOW METAL FRAME. PROVIDE WITH LEVER PRIVACY CYLINDER FUNCTION HARDWARE.
6	3068 X 1-3/4" SOLID CORE FLUSH WOOD PRE-FINISHED DOOR WITH HOLLOW METAL FRAME. PROVIDE WITH LEVER OFFICE FUNCTION CYLINDER HARDWARE.
7	2868 X 1-3/4" SOLID CORE FLUSH WOOD PRE-FINISHED DOOR WITH HOLLOW METAL FRAME. PROVIDE WITH LEVER OFFICE FUNCTION CYLINDER HARDWARE.
8	2-2668 KITCHEN HPE SWING DOORS WITH METAL FRAME AND VISION PANEL EACH DOOR.

ROOM FINISH SCHEDULE	
MEN, WOMEN	FLOOR: STAINED / SEALED CONCRETE BASE: 4" RUBBER WALLS: GYP. BD. EPOXY PAINT WAINSCOT: 48" FRP CEILING: GYP. BD. PAINTED C. H.: 8'-0"
KITCHEN	FLOOR: EPOXY / URETHANE, NON-SLIP FINISH. BASE: 4" EPOXY / URETHANE WALLS: FRP OVER GYP. BD. WAINSCOT: NONE CEILING: 2X2 ARMSTRONG GEORGIAN OR USG 2X2 CLEAN-ROOM, PANELS. INSTALL IN HOT DIPPED GALVANIZED CEILING C. H.: 15/16" GRID ALL TILES SQUARE EDGE 9'-0"
DINING AREA	FLOOR: STAINED / SEALED CONCRETE, NON-SLIP BASE: WOOD WALLS: GYP. BD. PAINTED WAINSCOT: 48" BEAD BOARD CEILING: PAINTED EXPOSED STRUCTURE AND INSULATION C. H.: VARIES
BAR	FLOOR: EPOXY / URETHANE NON-SLIP FINISH BASE: 4" EPOXY / URETHANE WALLS: GYP. BD. PAINTED / FRP UNDER BAR. WAINSCOT: 48" BEAD BOARD WHERE INDICATED CEILING: PAINTED EXPOSED STRUCTURE AND INSULATION C. H.: VARIES
OFFICE	FLOOR: SEALED NON-SLIP CONCRETE BASE: 4" RUBBER WALLS: GYP. BD. PAINTED WAINSCOT: NONE CEILING: GYP. BD. PAINTED C. H.: 8'-0"

KITCHEN CEILING PANELS EQUAL TO ARMSTRONG SQUARE EDGE 2X2 GEORGIAN NO. 794 HIGH WASHABILITY PANELS UNPERFORATED OR USG GYPSUM CEILING PANELS 2X2 CLEAN ROOM CLIMAPLUS VINYL LAMINATED FACE PANEL. GRIDS SHALL BE 15/16" HOT DIPPED GALVANIZED OR ALUMINUM.

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REVISIONS	BY



**NEW RESTAURANT FOR
HABANERO'S MEXICAN KITCHEN**
1938 LA HWY 22 WEST
MADISONVILLE, LOUISIANA 70447

**JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT**
105 EVANGELINE DRIVE, SLIDELL, LOUISIANA 70460
(985) 847-0714 jfsarchitect@charter.net

DRAWN
H. SCHNEIDER
CHECKED
J. SCHNEIDER
DATE
08/29/2019
SCALE
AS NOTED
JOB NO.

SHEET
A-2
OF SHEETS

SPECIFICATIONS – SLAB ON GRADE

This plan is to be only for the location below:
 1938 LA HWY 22 WEST
 MADISONVILLE, LOUISIANA

A. CONCRETE

- A1. The concrete mix should yield a minimum compressive strength of 3000 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI-318 (latest version). No chlorides shall be allowed.
- A2. Concrete shall have a minimum compressive strength of 2000 p.s.i. at time of stressing.
- A3. Concrete shall be well consolidated especially in the vicinity of the tendon anchors.

B. MATERIALS; TENDON AND REBAR

- B1. All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
- B2. All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A416. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick.
- B3. Tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. No tendon will be unsupported for more than 42 inches.
- B4. If tendon sheathing is damaged or removed from live end anchor more than 2" it SHALL be repaired. "Duck" tape is not allowed to touch actual strand. Replace sheathing prior to taping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4" or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
- B5. The tendon location at the end of the grade beam is to be a "minimum" of 5" from the top of the slab to the CGS of the tendon.
- B6. All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be below exterior finish grade.
- B7. In lieu of actual test cylinder results, tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing of tendons.
- B8. All tendons to be 270k and 1/2" in diameter.
- B9. Stressing: 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
- B10. Tendons, pocket formers, plastic chairs, anchors, wedges to be furnished by Tech-Con Systems, Inc. Slidell, La. or approval equal.
- B11. Liveend and Deadends may be swapped/reversed as needed, u.n.o.
- B12. Tendon finishing: After written acceptance of the tendon elongation report, tendons shall be cut beyond the face of the slab. If less than 3/4" plastic tendon sleeve may be used. Stressing pocket shall be promptly grouted with non shrink cement based grout.
- B13. Double live end tendons shall be fully stressed at the initial end. No additional stressing required if proper elongation has been achieved.

C. INSTALLATION

- C1. Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
- C2. 1 layer of 8 mil (min) polyethylene sheeting shall be placed under all concrete for friction reduction, except beam bottom exterior face. Refer to architect and local codes for additional requirements.
- C3. The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
- C4. Concrete sizes, excluding slab, may vary by -10%, +20%.
- C5. Dead end anchor: Tendon tail at dead end shall have minimum 1" concrete cover.
- C6. A minimum of 4" of concrete will be maintained throughout the entire slab. A tolerance of + 3/4" shall not be exceeded.
- C7. Exterior footings will have a minimum of 12" embedment below finished grade.
- C8. Contractor to install all floating forms, porch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 6" deep prior to tendon installation. Refer to site preparation as specified in soil report or remove a minimum of 12" of existing soil and all unstable silt prior to placing any fill.
- C9. Field verify all dimensions, notes, drops, slopes, and recesses with Architectural drawings.
- C10. Recess as required for ceramic tile, wood or brick floors, maintaining full slab and grade beam depth.
- C11. Provide adequate supports for all tendons and rebars to maintain proper position.
- C12. Slab chairs to be placed at all intersections. Secure tendons to chairs.
- C13. All subgrade fill shall be select material, clayey sand or silty sands (SC/SM or AASHTO A-2-4) compacted to 95% Standard Proctor density in a maximum of 6" lifts and shall extend 5'-0" beyond the perimeter of the foundation in all directions u.n.o. If unavailable sand (SP / AASHTO A-3) may be used if grade beam shape is maintained. Refer to note C4.
- C14. Tendons & anchors may be moved horizontally to avoid conflict with electrical, mechanical or plumbing requirements.
- C15. Slab tendon placement may vary as much as 12" horizontal and 2" vertical to avoid obstructions.
- C16. Tendons may be horizontally diverted around plumbing piping or other fixed objects up to 6" over a distance of 12 feet to provide a minimum 3" clearance.
- C18. Maximum of 2.0 feet of fill above natural ground may be placed under the building footprint. Maximum differential fill shall not exceed 20%.

D. MISCELLANEOUS

- D1. The contractor shall be responsible for coordination of the structural drawings with all other drawings.
- D2. Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
- D3. Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions, Inc. will void designer's responsibility.
- D4. This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
- D5. All runoff water must be carried away from the slab to prevent saturation of the sub-base.
- D6. All trees within close proximity shall be removed to prevent the roots from extending under the slab.
- D7. No field supervision provided under this seal unless otherwise noted.
- D8. Prior to installing any additional hardware attached to the foundation by drilling into the slab, Tendons SHALL be located to avoid tendon damage.
- D9. This project has been designed in strict compliance with the referenced soil report to meet the requirements of a shallow foundation system.
- D10. This plan is for structural requirements only. Architectural details, surface requirements and compliance with A.D.A. regulations are specifically omitted from this plan. The coordination of, and responsibility for such requirements is the responsibility of others.
- D11. These drawings have been checked to insure a reasonable and normally acceptable degree of accuracy. However, the contractor is responsible for verifying all dimensions, details and code requirements of these plans and specifications prior to the start of work.
- D12. It is the responsibility of the builder to provide good drainage away from the foundation from the time forms are set until the construction of the building is complete. Good drainage must be maintained for the duration of the building.
- D13. Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.

E. INSPECTIONS & OBSERVATIONS

- E1. Prior to concrete placement an inspection/observation is required by a qualified third party. All discrepancies noted during inspections SHALL be corrected prior to concrete placement.
- E2. Qualified third party shall have a minimum PTI Level 2 certification or a licensed professional engineer with experience in post tensioning.
- E3. During the stressing operation continuous observation shall be provided by a third party.
- E4. Tendon reference mark shall be provided and placed on tendon by tendon stressing company.
- E5. The offset of the reference marking device shall be noted and included in all stressing logs by the observing party.
- E6. Tendon elongations that do not achieve the minimum value shall be promptly reported to the post tension designer for resolution.
- E7. Governing Documents: Construction and Maintenance Manual For Post-Tensioned Slab-on-Ground Foundations (Latest Edition)

Post Tension Institute
 38800 Country Club Drive
 Farmington Hills, MI 48331
 (248) 848-3180
 www.post-tensioning.org

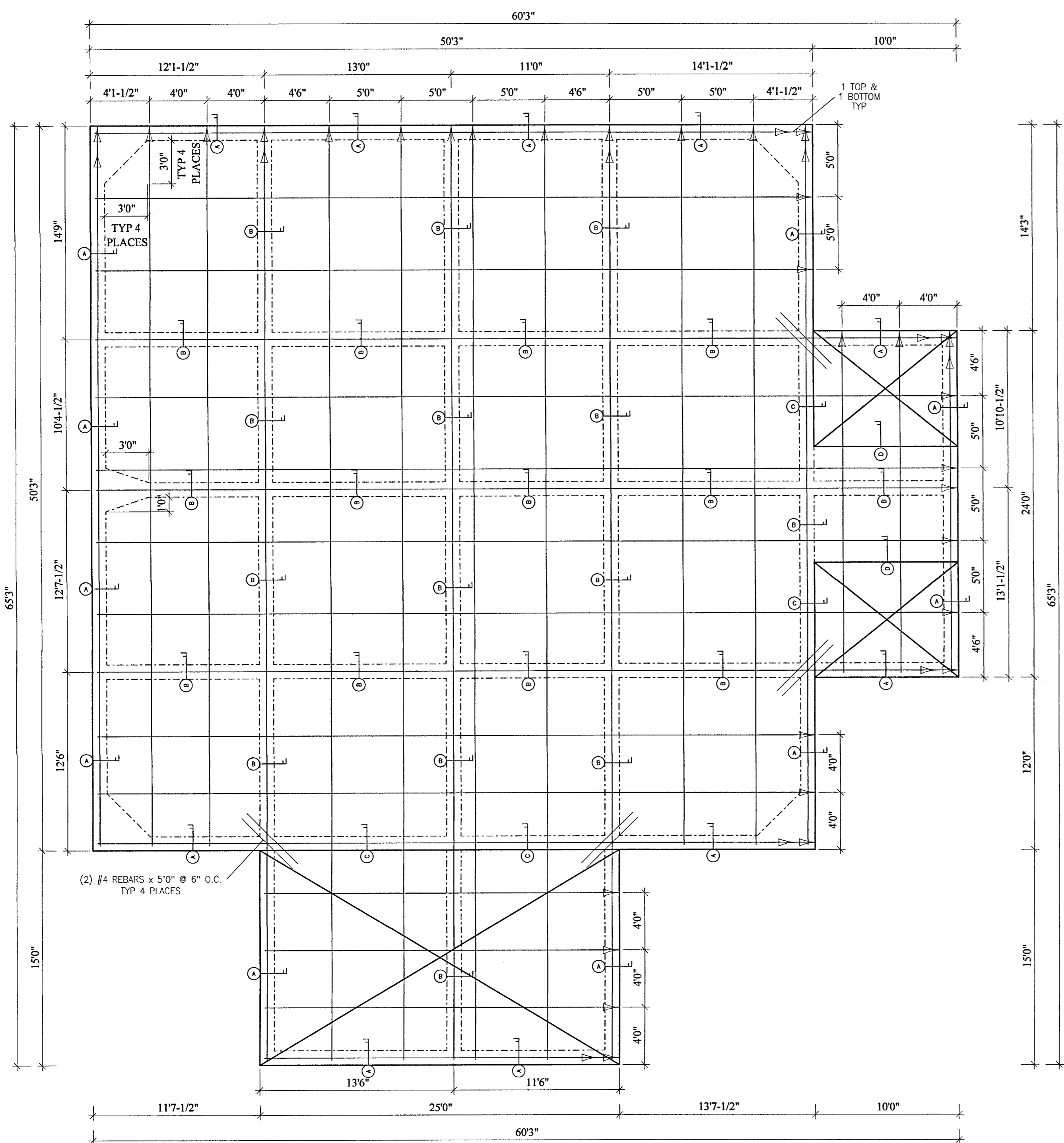
THIS PLAN IS FOR STRUCTURAL REQUIREMENTS ONLY. ARCHITECTURAL DETAILS, SURFACE REQUIREMENTS, AND COMPLIANCE WITH A.D.A. REGULATIONS ARE SPECIFICALLY OMITTED FROM THIS PLAN. THE COORDINATION OF, AND RESPONSIBILITY FOR SUCH REQUIREMENTS IS THE RESPONSIBILITY OF OTHERS.

THIS FOUNDATION DESIGN IS BASED ON THE SUBMITTED DRAWINGS BY:
 ARCHITECT: JOSEPH F. SCHNEIDER JR., AIA
 DATED: 08/29/2019
 REVISION: N/A

CONTRACTOR SHALL REVIEW THESE DRAWINGS AND DIMENSIONS CONFIRMING THAT THEY MATCH ARCHITECTURAL DRAWINGS PRIOR TO PLACING ORDER FOR TENDONS.

THESE DRAWINGS HAVE BEEN CHECKED TO INSURE A REASONABLE AND NORMALLY ACCEPTABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, DETAILS, AND CODE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS PRIOR TO THE START OF WORK.

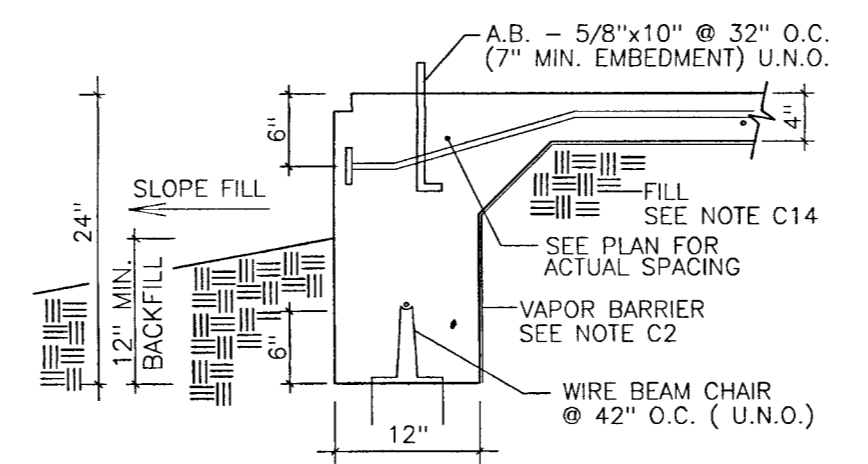
NOTE:
 IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.



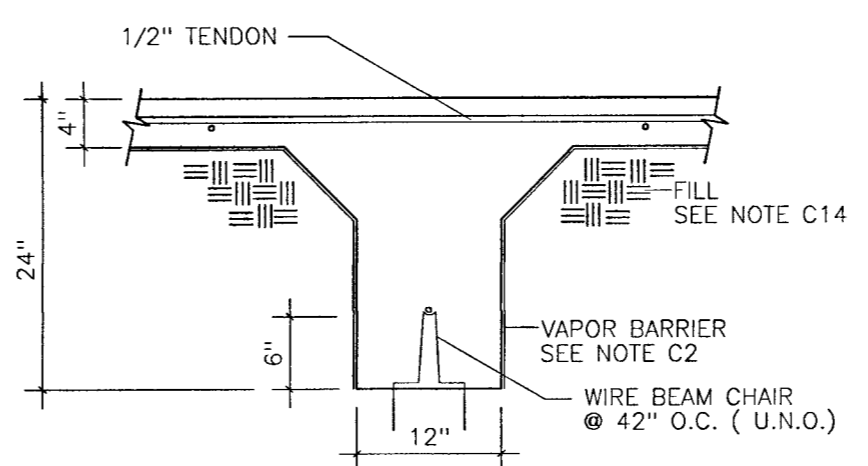
P.T. SLAB AREA = 3140.06 sq. ft.

DO NOT USE THIS PLAN TO SET FORMS!

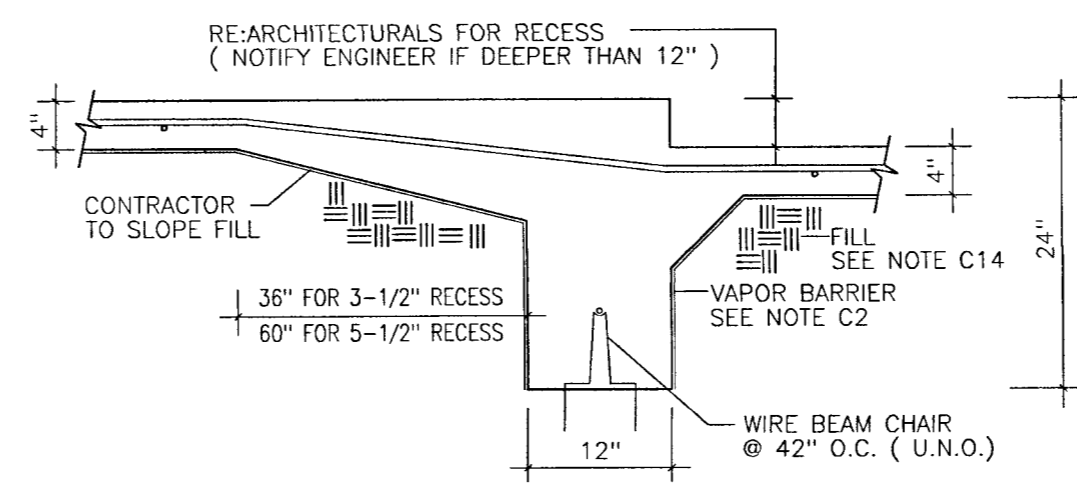
NOTE:
 IT IS OUR RECOMMENDATION TO PROVIDE WIRE MESH IN EXPOSED CONCRETE AND TILE AREAS TO MINIMIZE SHRINKAGE CRACKING. A PARTIAL STRESSING IS ALSO RECOMMENDED.



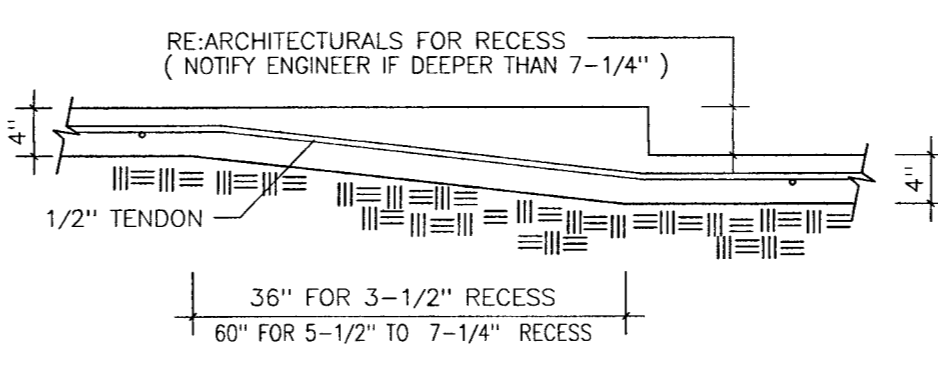
SECTION A



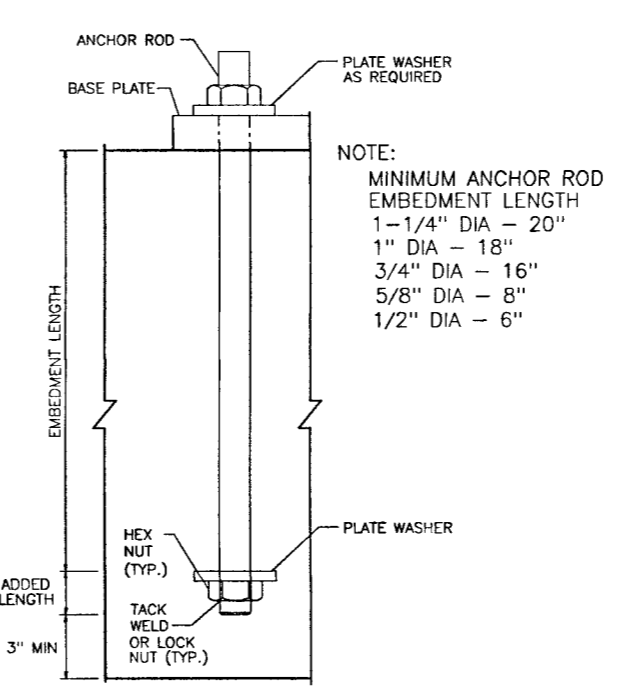
SECTION B



SECTION C



SECTION D



TYPICAL ANCHOR ROD DETAIL
 REFER TO ANCHOR BOLT PLANS FOR SIZE AND CHART FOR EMBEDMENT LENGTH

THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

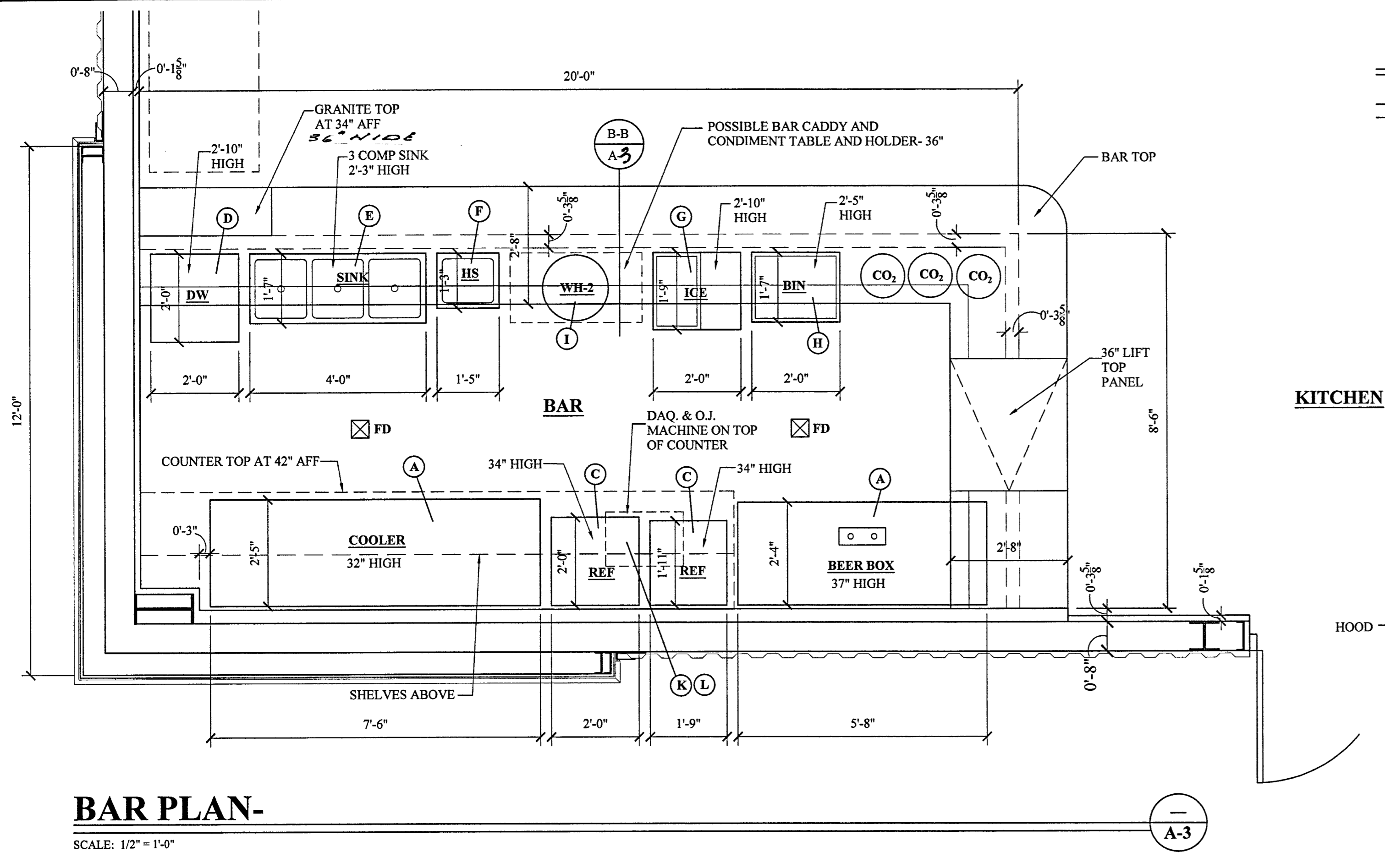
ACADIAN STRUCTURAL SOLUTIONS, INC.
 57362 ALLEN RD, SLIDELL, LA. 70461
 PHONE (985) 641-5794 FAX (985) 641-1239
 PLANS@ACADIANSS.COM

HABANERO'S MEXICAN KITCHEN
 1038 LA HWY 22 WEST, MADISONVILLE
 ST. TAMMANY PARISH, LOUISIANA

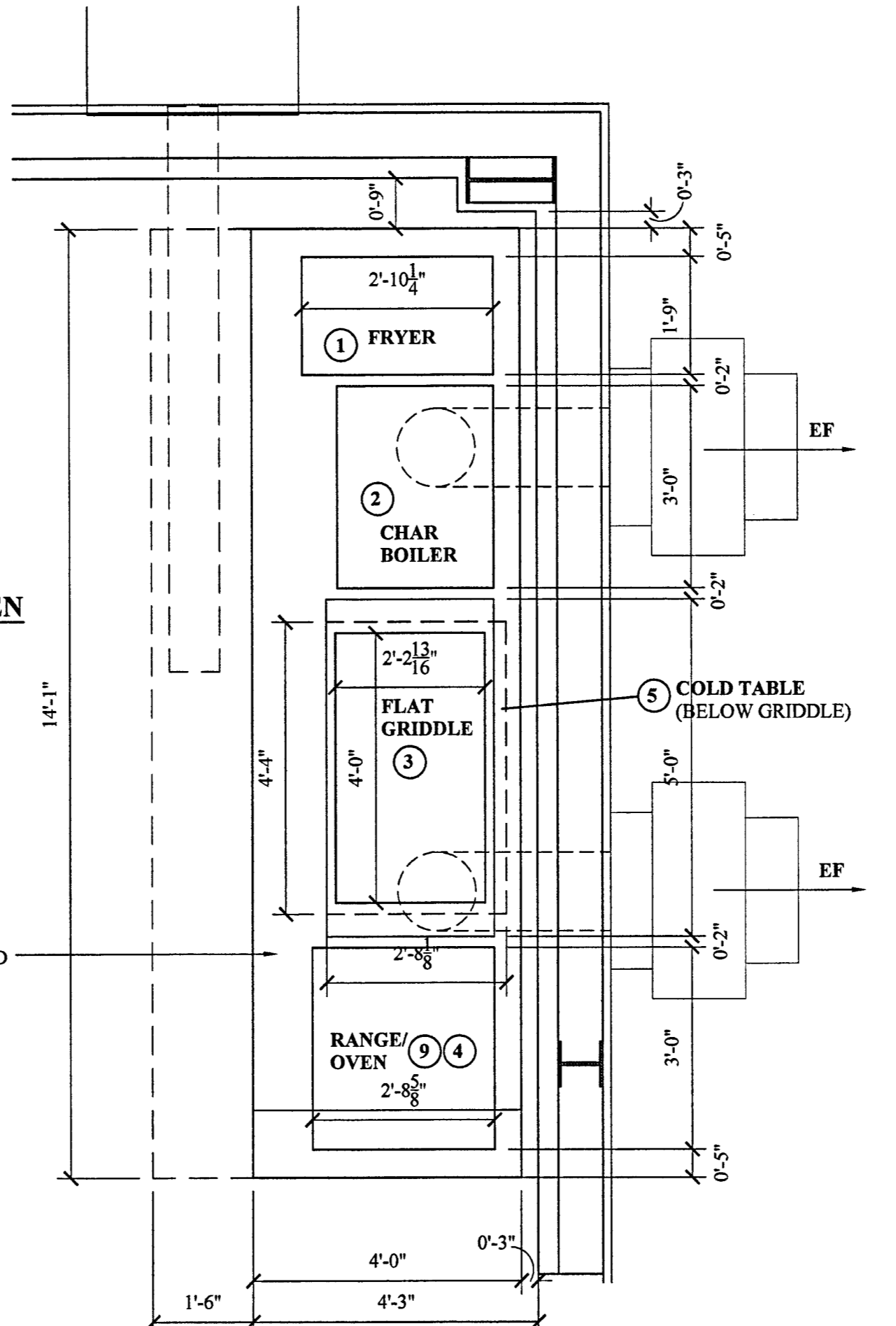
JOSEPH F. SCHNEIDER ARCHITECT
 SLIDELL, LOUISIANA

SCALE: 3/16" = 1'-0"
DATE: 17 SEP 19
DRAWN BY: EPH
CHKD BY: HN
ASS PROJECT #: 847-19

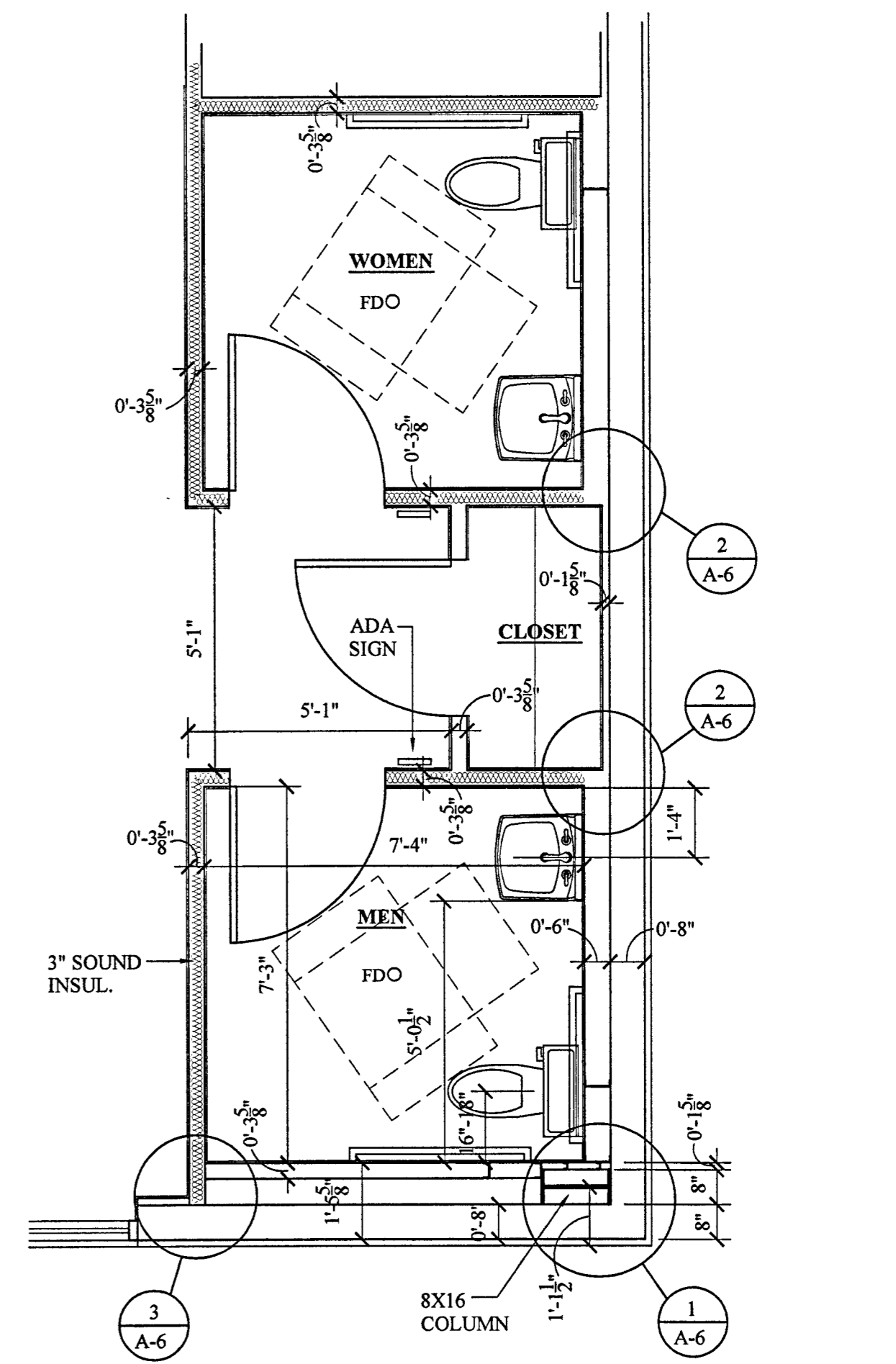
REVISIONS	
DATE	



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



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

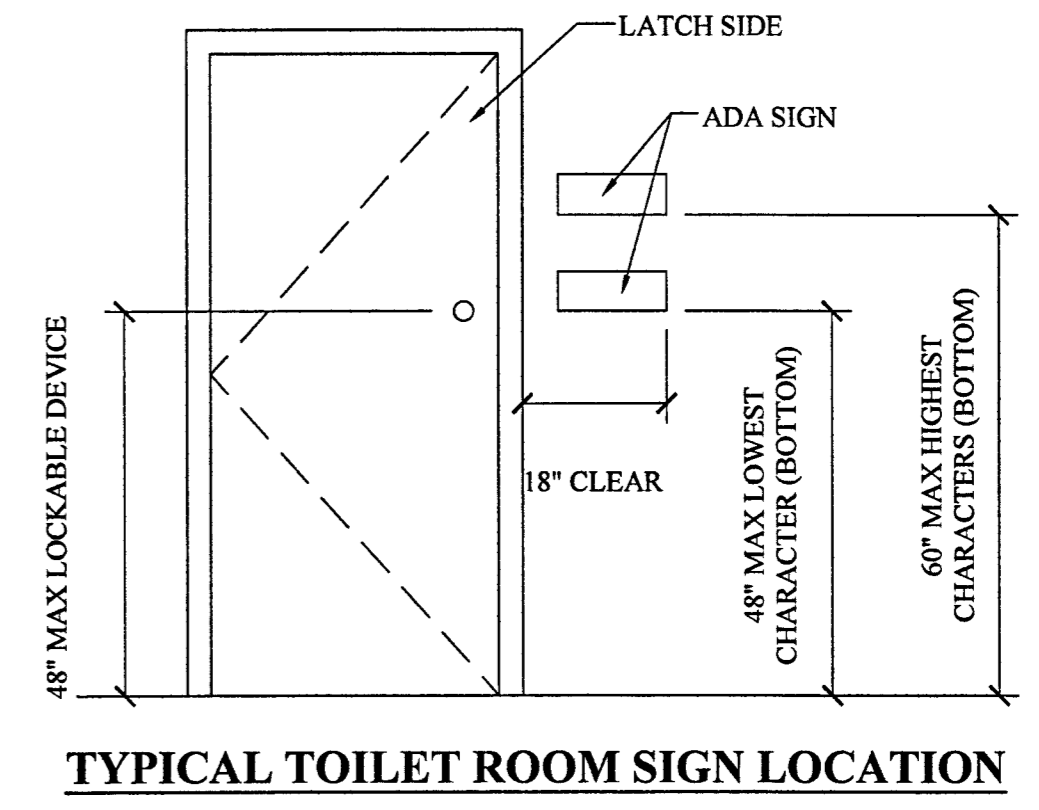


BATHROOM PLAN-
SCALE: 3/8" = 1'-0"

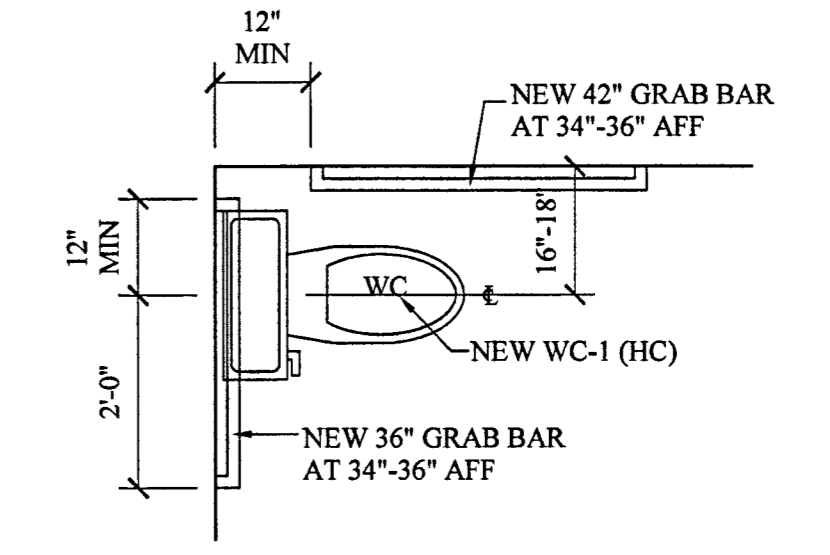
BAR EQUIPMENT SCHEDULE	
A	STAINLESS STEEL 68" X 28" X37" HIGH BEER KEG BAR WITH DISPENSERS. 120V SINGLE PHASE, PROVIDE CONDENSATION PAN AND STORAGE WASTE TANK. 20-AMP DEDICATED CIRCUIT.
B	THREE DOOR BEVERAGE COOLER WITH GLASS DOORS. PROVIDE WITH CONDENSATION PAN. 90" X 29' X 37" HIGH 120V SINGLE PHASE 20-AMP DEDICATED CIRCUIT.
C	UNDERCOUNTER GLASS FRONT REFRIGERATOR 24" X 24" X 34" HIGH 120V SINGLE PHASE 20-AMP CIRCUIT.
C-1	UNDERCOUNTER GLASS FRONT REFRIGERATOR 21" X 24" X 34" HIGH 120V SINGLE PHASE 20-AMP CIRCUIT.
D	STAINLESS STEEL UNDERCOUNTER DISHWASHER WITH SANITIZING CYCLE. 24" X 24" X 34" HIGH. 120V SINGLE PHASE 12 AMPERES. CONNECT TO INDIRECT PLUMBING CONNECTION WITH AIR-GAP 20-AMP DEDICATED CIRCUIT.
E	STAINLESS STEEL THREE (3) COMPARTMENT SINK, LEG SUPPORTED. 48" X 19" X 27" HIGH WITH BACK SPLASH AND 8" SPOUT. PROVIDE WITH DRAIN STRAINERS. PROVIDE INDIRECT PLUMBING CONNECTION AND AIR GAP. PROVIDE FAUCET WITH LEVER HANDLES WITH HOT AND COLD WATER.
F	STAINLESS STEEL SINGLE COMPARTMENT HAND SINK WITH LEVER HANDLES AND DRAIN STRAINER. HAND SINK, LEG SUPPORTED. PROVIDE WITH DIRECT PLUMBING CONNECTION, HOT AND COLD WATER.
G	STAINLESS STEEL, LEG SUPPORTED ICE BIN 24" WIDE X 21" DEEP X 34" HIGH. PROVIDE WITH STAINLESS STEEL TWO (2) DOOR HINGED COVERS. PROVIDE WITH 1" DIA. DRAIN AND INDIRECT PLUMBING CONNECTION WITH AIR GAP.
H	STAINLESS STEEL LEG SUPPORTED STORAGE ICE BIN 24" X 24" X 27" HIGH. PROVIDE WITH 1" DIA. DRAIN AND INDIRECT PLUMBING CONNECTION WITH AIR GAP.
I	FUTURE STAINLESS-STEEL LEG SUPPORTED COLD TRAY.
J	UNDERCOUNTER WATER HEATER. REFER TO PLUMBING DRAWINGS.
K	COUNTER TOP DAIQUIRI MACHINE 120V SINGLE PHASE. 20-AMP DEDICATED CIRCUIT
L	COUNTER TOP ORANGE JUICE STORAGE DISPENSER MACHINE. 120V SINGLE PHASE 20-AMP.

KITCHEN EQUIPMENT	
1	AVANTCO GAS FIRED FIVE TUBE GAS FLOOR FRYER NO. FF518. SIZE: 21" W X 34.25" D X 47.123"H, 150,000 BTU/HR, WITH 3/4" DIA. GAS CONNECTION.
2	CPG GAS-FIRED 36" CHAR BROILER WITH CABINET BASE, SIZE: 36" W X 26- 13/16" D X 36"H, 40,000 BTU, 3/4" DIA. GAS CONNECTION, WITH THREE (3) BURNERS TOTAL 120,000 BTU.
3	CPG THERMOSTATIC GRIDDLE, 48" W X 29.3" D X 16.3" H. TOTAL 120,000 BTU (4) FOUR BURNERS @ 30,000 BTU EACH, 3/4" DIA. GAS CONNECTION.
4	RANGE/OVEN GAS FIRED 36" WINE X 32 5/8" DEEP X 60 3/8" HIGH. OVEN 30,000 BTU. SIX (6) BURNERS @ 30,000 BTU. TOTAL 180,000 BTU. TOTAL 210,000 BTU FOR RANGE/OVEN, 2/4" DIA. GAS CONNECTION.
5	CBE CHEF COLD BASE NO. 178CBE52HC 51 7/8" W X 25- 7/8" H X 32- 1/8" D, TWO DRAW UNIT, STAINLESS STEEL WITH CASTERS, 115V, SINGLE PHASE, 3.5 AMPS.

- NOTES:**
- PER NFPA 96, ALL EXHAUST DUCT SEAMS AND JOINT SEAMS SHALL HAVE A CONTINUOUS LIQUID TIGHT EXTERNAL WELD: EXCEPTION WOULD BE LISTED FACTORY BUILT GREASE DUCT.
 - ALL DUCTS WITHIN 18" OF ANY COMBUSTIBLE MATERIAL SHALL BE COVERED IN DUCT WRAP SIMILAR TO THERMAL CERAMICS "FIRE MASTER" BY 3-M PRODUCTS, 2-LAYERS OF 1-1/2" MATERIAL EQUAL TO 2-HOURS RATED SEPARATION.
 - ROOF TOP FANS SHALL BE MOUNTED MINIMUM 3'-4" ABOVE HIGHEST POINT OF THE ROOF.
 - INSTALL DUCT ACCESS PANELS WHERE ANY DUCTWORK CHANGES DIRECTION. INSTAL PER NFPA 96



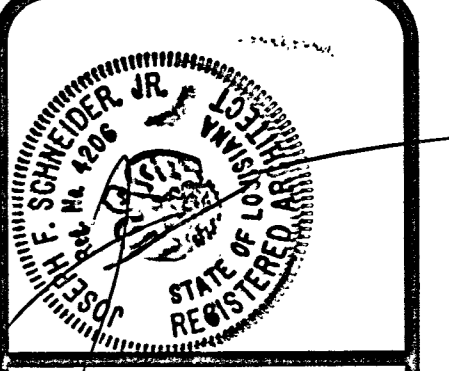
TYPICAL TOILET ROOM SIGN LOCATION



TYPICAL TOILET CLEARANCE

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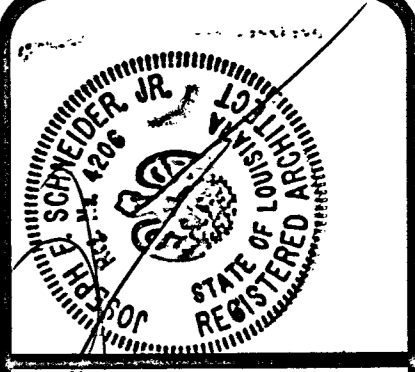


**NEW RESTAURANT FOR
HABANERO'S MEXICAN KITCHEN**
1938 LA HWY 22 WEST
MADISONVILLE, LOUISIANA 70447

**JOSEPH F. SCHNEIDER JR., AIA
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DRAWN H. SCHNEIDER
CHECKED J. SCHNEIDER
DATE 08/29/2019
SCALE AS NOTED
JOB NO.
SHEET A-3
OF SHEETS

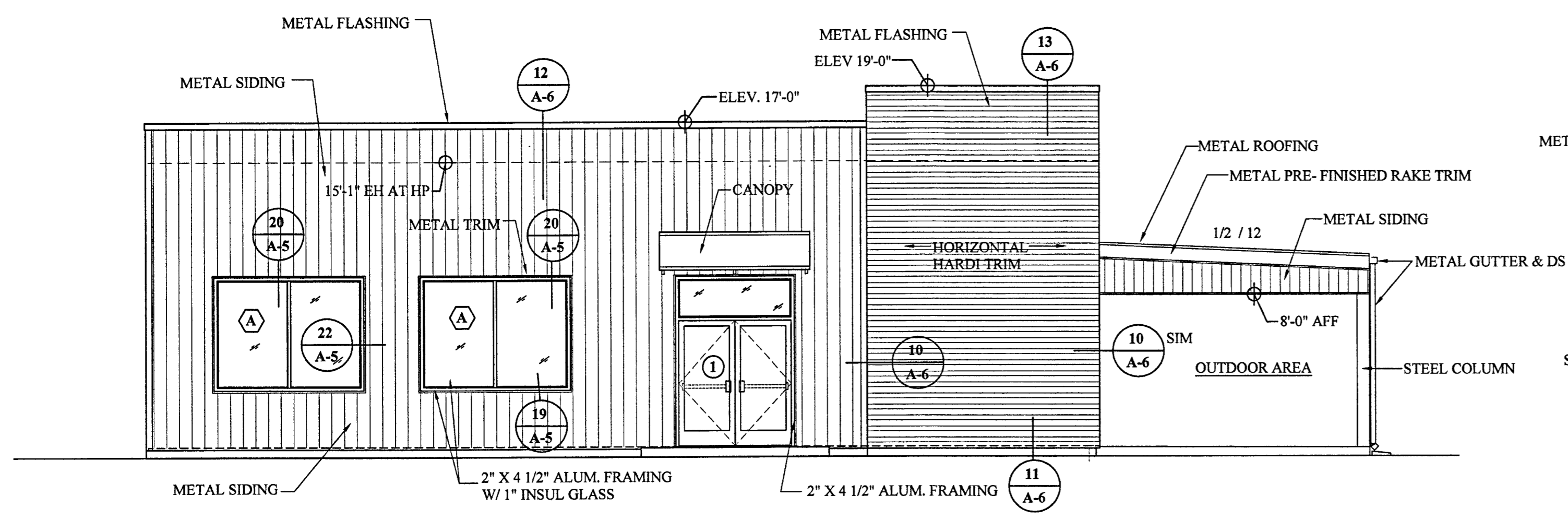
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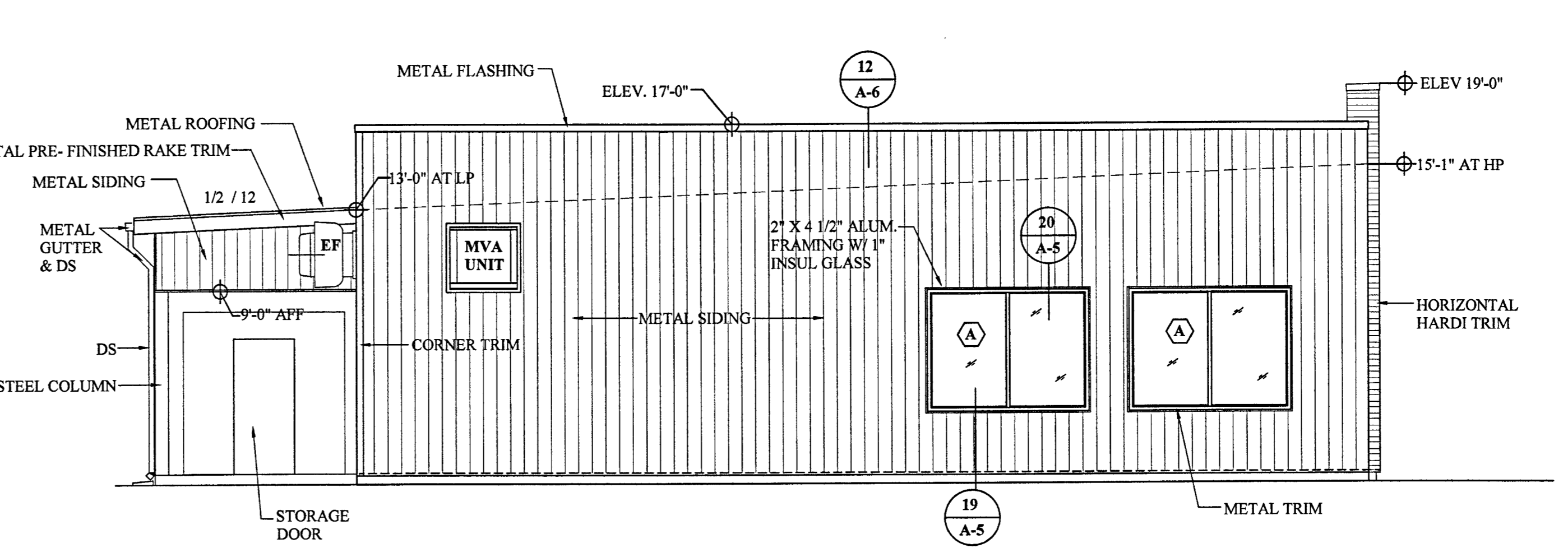
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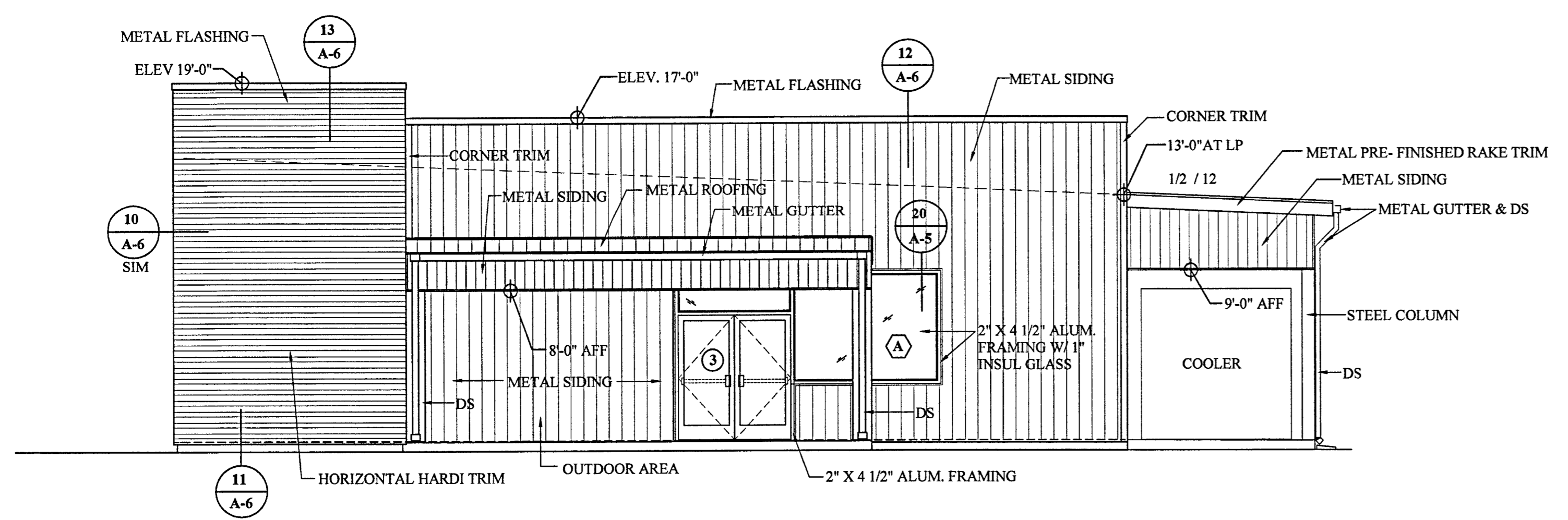
WEST ELEVATION

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



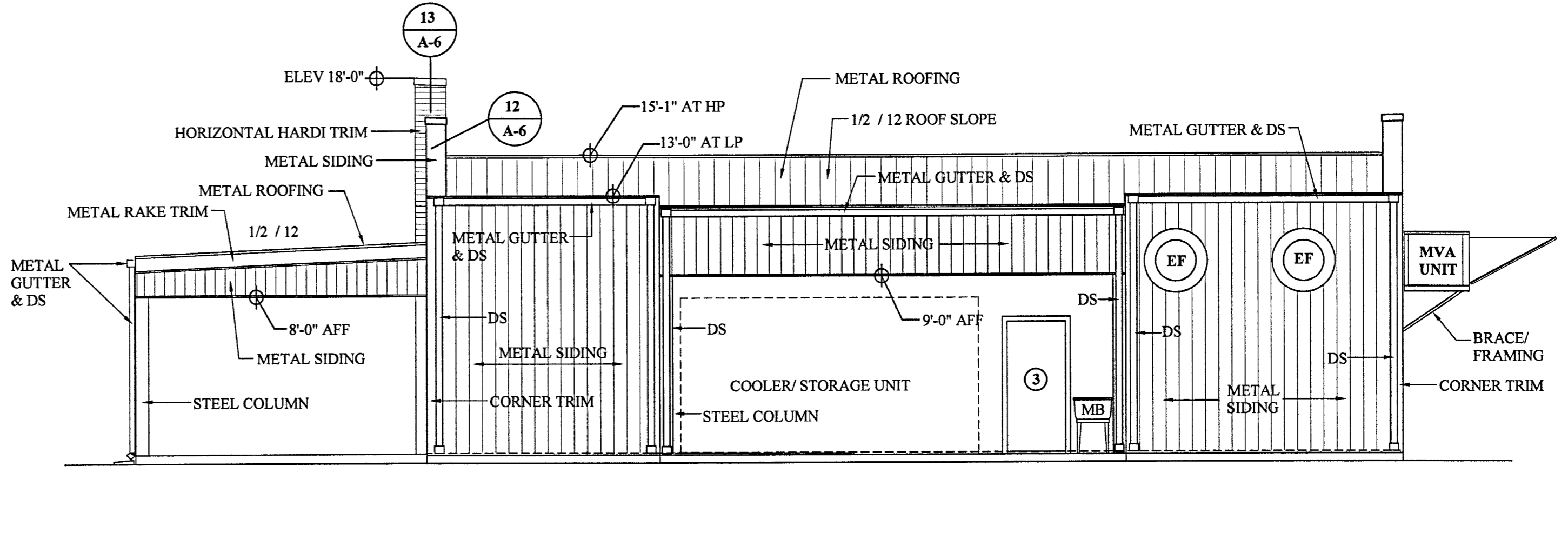
NORTH ELEVATION

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



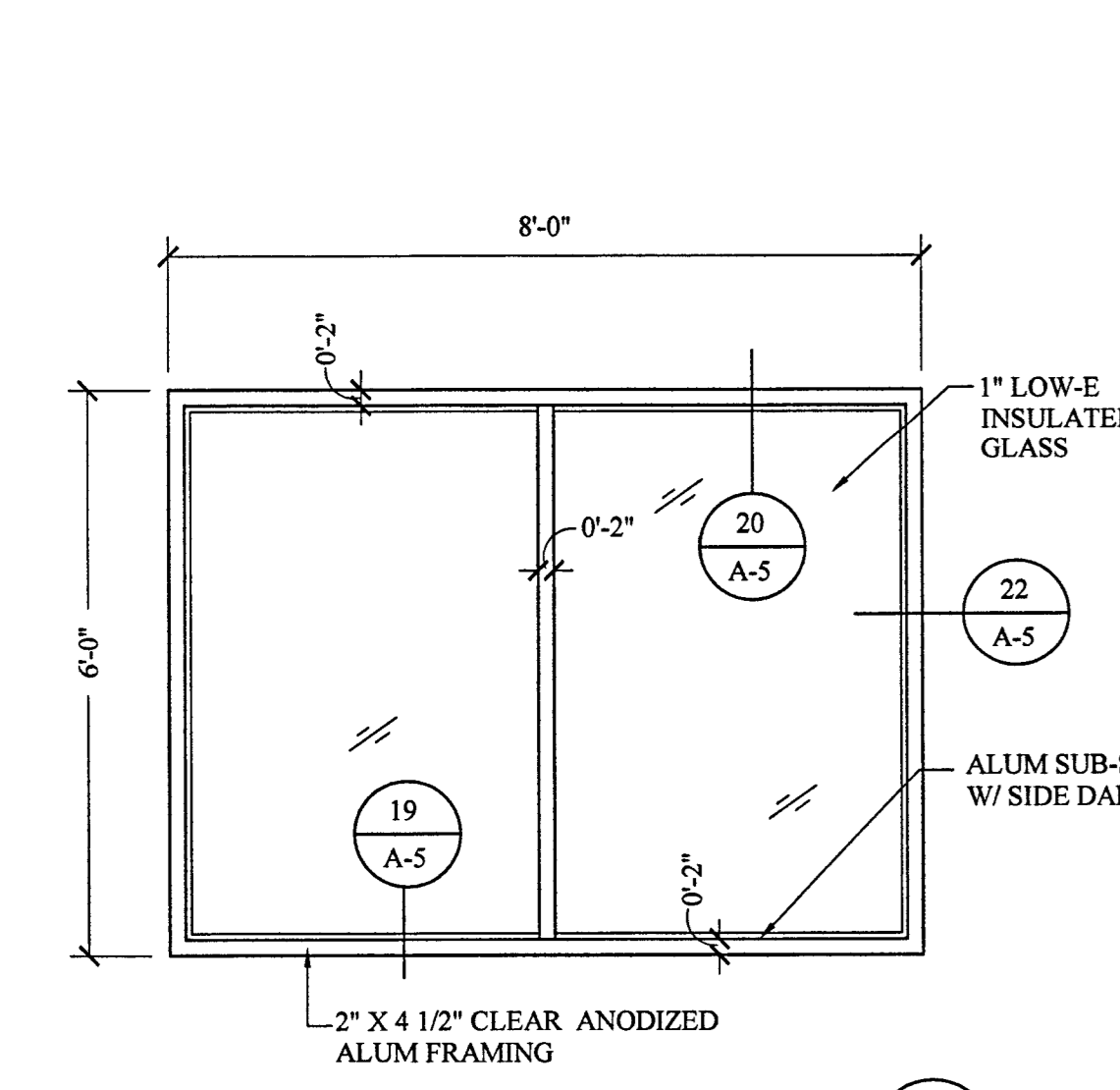
SOUTH ELEVATION

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



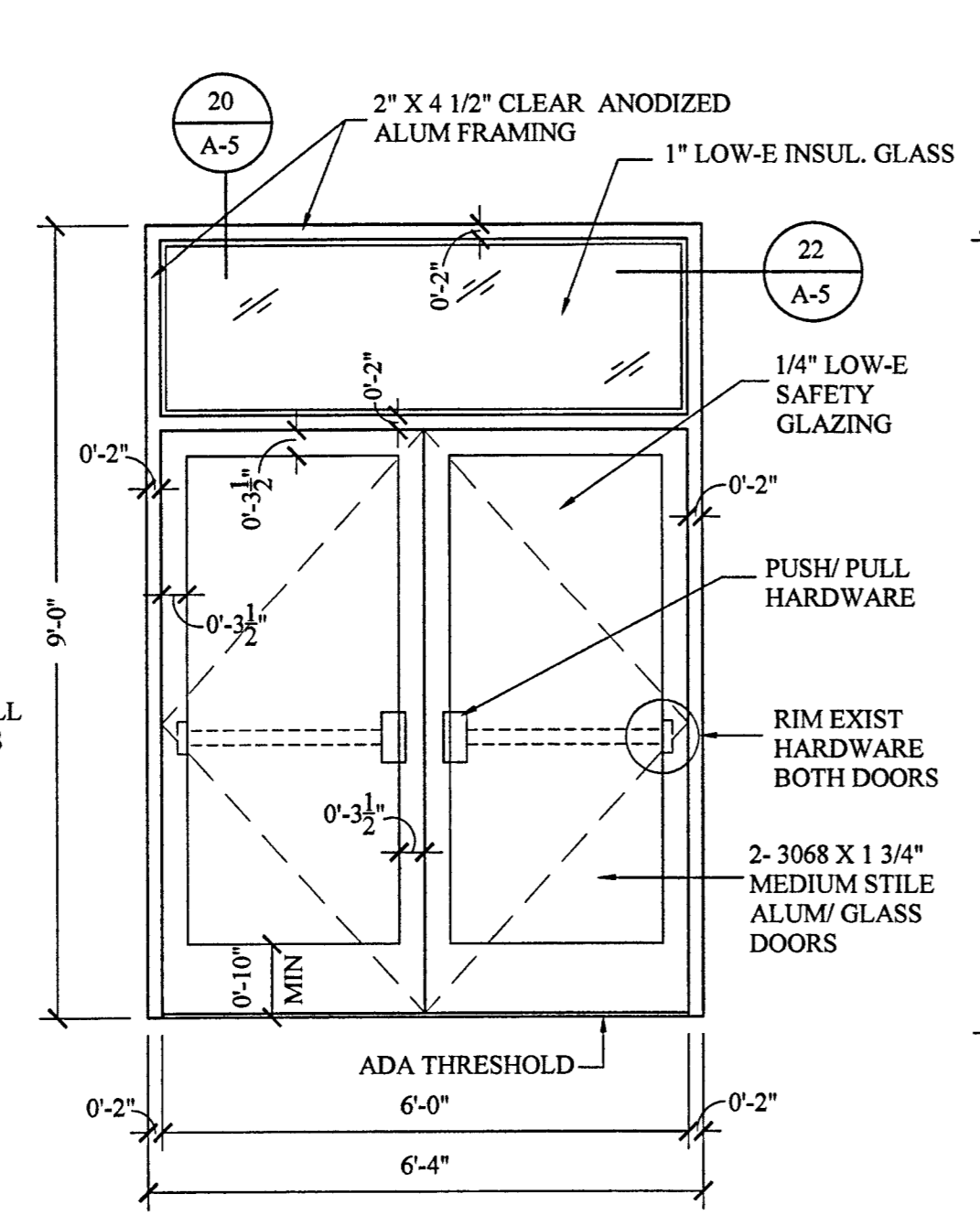
EAST ELEVATION

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



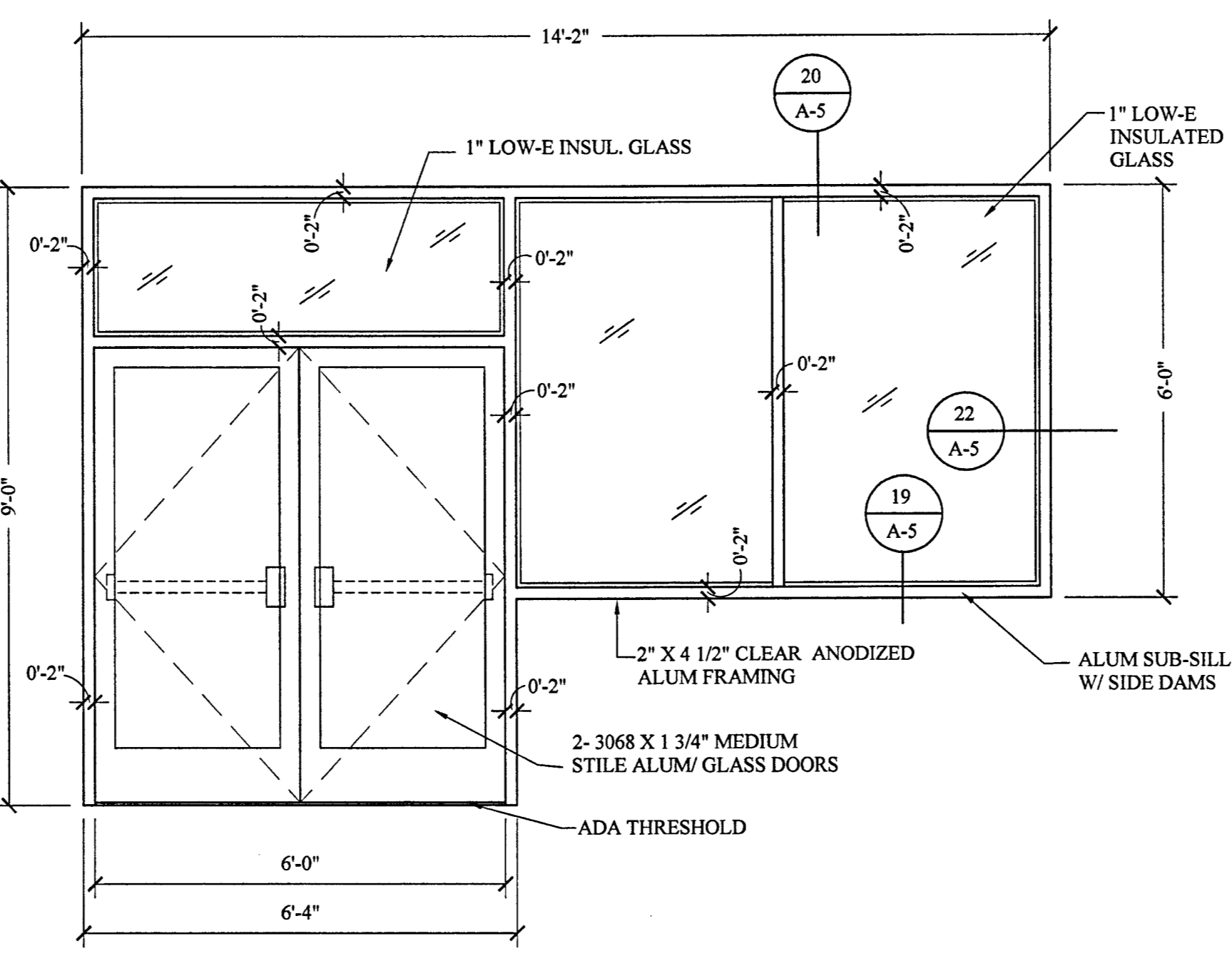
WINDOW "A" ELEVATION

A-4



DOOR 1 & 2 ELEVATION

A-4



DOOR 2 & WINDOW "A" ELEVATION

A-4

GLASS OPENING PROTECTION

CONTRACTOR TO PROVIDE PRE-CUT WOODEN PANELS TO CONFORM TO THE SPECS OF TABLE 1609.1.2 OF THE 2015 IBC FOR STORM CONDITIONS.

2015 IBC
CHAPTER 16
SECTION 1609 WIND LOADS

1609.1.2 PROTECTION OF OPENINGS. IN WIND BORNE DEBRIS REGIONS, GLAZING IN THE BUILDINGS SHALL BE IMPACT-RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT-RESISTING STANDARD OR ASTM E 1996 AND ASTM E 1886 REFERENCED THEREIN AS FOLLOWS:

- GLAZED OPENINGS LOCATED WITHIN 30 FEET (9144mm) OF GRADE SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996.
- GLAZED OPENINGS LOCATED MORE THAN 30 FEET (9144mm) ABOVE GRADE SHALL MEET THE PROVISIONS OF THE SMALL MISSILE TEST OF ASTM E 1996.

EXCEPTIONS:

- WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16 INCH (11.1mm) AND A MAXIMUM SPAN OF 8 FEET (2438mm) SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE- AND TWO-STORY BUILDING. PANELS SHALL BE PRECUT SO THAT THEY SHALL BE ATTACHED TO THE FRAMING SURROUNDING THE OPENING CONTAINING THE PRODUCT WITH THE GLAZED OPENING. PANELS SHALL BE SECURED WITH THE ATTACHMENT HARDWARE PROVIDED. ATTACHMENTS SHALL BE DESIGNED TO RESIST THE COMPONENTS AND CLADDING LOADS DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF ASCE 7. ATTACHMENT IN ACCORDANCE WITH TABLE 1609.1.2 IS PERMITTED FOR BUILDINGS WITH A MEAN ROOF HEIGHT OF 45 FEET OR LESS WHERE WIND SPEEDS DO NOT EXCEED 140 MILES PER HOUR (63 m/s). IN ACCORDANCE WITH SECTION 1609.3.1
- GLAZING IN OCCUPANCY CATEGORY I BUILDING AS DESIGNED IN SECTION 1604.5, INCLUDING GREENHOUSES THAT ARE OCCUPIED FOR GROWING PLANTS ON A PRODUCTION OR RESEARCH BASIS, WITHOUT PUBLIC ACCESS SHALL BE PERMITTED TO BE UNPROTECTED.
- GLAZING IN OCCUPANCY CATEGORY II, III, OR IV BUILDINGS LOCATED OVER 60 FEET (18 288mm) ABOVE THE GROUND AND OVER 30 FEET (9144 mm) ABOVE AGGREGATE SURFACE ROOFS LOCATED WITHIN 1,500 FEET OF THE BUILDING SHALL BE PERMITTED TO BE UNPROTECTED.

**TABLE 1609.1.2
WIND-BORNE DEBRIS PROTECTION FASTENING
SCHEDULE FOR WOODEN PANELS.**

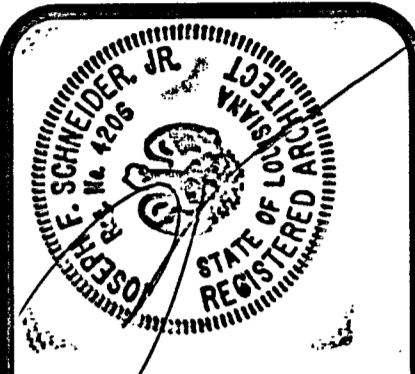
FASTENER TYPE	FASTENER SPACING (INCHES)		
	PANEL SPAN ≤ 4 FEET	4 FEET < PANEL SPAN ≤ 6 FEET	6 FEET < PANEL SPAN ≤ 8 FEET
NO. 10 WOOD SCREWS WITH 2" EMBEDMENT	16	12	9
NO. 8 WOOD SCREWS WITH 2" EMBEDMENT	16	10	8
1/4" INCH DIAMETER LAG-SCREW - BASED ANCHOR WITH 2" EMBEDMENT	16	16	16

FOR SI: 1 INCH = 25.4 mm, 1 FOOT = 304.8 mm, 1 POUND = 4.4 N, 1 MILE PER HOUR = 0.44 m/s.

- THIS TABLE IS BASED ON A MAXIMUM WIND SPEED (3-SECOND GUST) OF 140 MPH AND MEAN ROOF HEIGHT OF 45 FEET OR LESS.
- FASTENERS SHALL BE INSTALLED AT OPPOSING ENDS OF THE WOOD STRUCTURAL PANEL. FASTENERS SHALL BE LOCATED A MINIMUM OF 1 INCH FOR THE EDGE OF THE PANEL.
- FASTENERS SHALL BE LONG ENOUGH TO PENETRATE THROUGH THE EXTERIOR WALL COVERING A MINIMUM OF 2 INCHES INTO WOOD WALL FRAMING, A MINIMUM OF 20 INCHES INTO CONCRETE BLOCK OR CONCRETE, OR INTO STEEL FRAMING BY AT LEAST THREE THREADS. FASTENERS SHALL BE LOCATED A MINIMUM OF 2.5 INCHES FROM THE EDGE OF CONCRETE BLOCK OR CONCRETE.
- WHERE SCREWS ARE ATTACHED TO MASONRY OR MASONRY/STUCCO, THEY SHALL BE ATTACHED UTILIZING VIBRATION-RESISTANT ANCHORS HAVING A MINIMUM WITHDRAWAL CAPACITY OF 1500 POUNDS.

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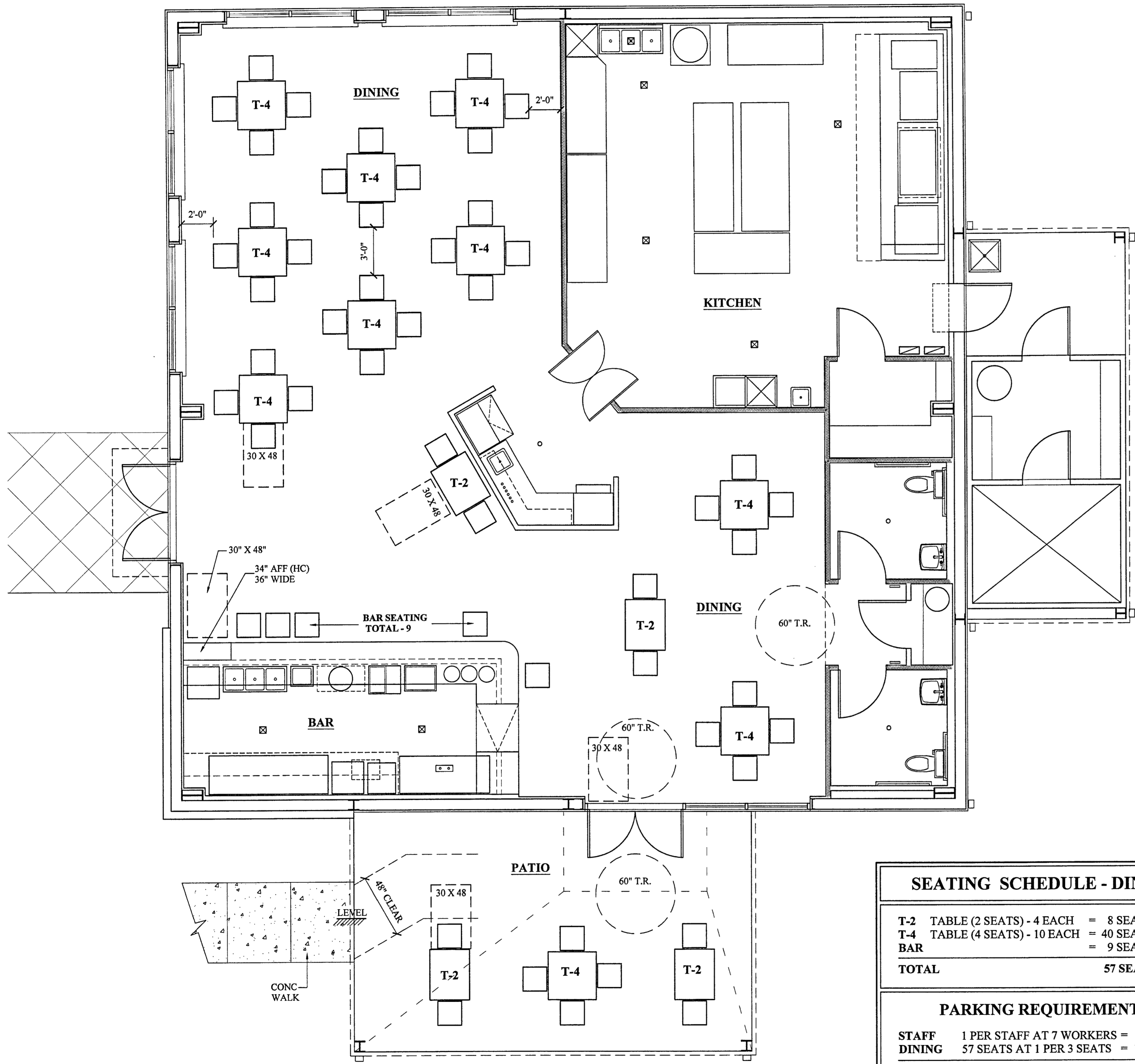


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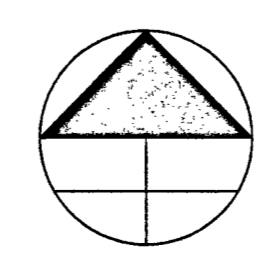


SEATING SCHEDULE - DINING	
T-2	TABLE (2 SEATS) - 4 EACH = 8 SEATS
T-4	TABLE (4 SEATS) - 10 EACH = 40 SEATS
BAR	= 9 SEATS
TOTAL	57 SEATS
PARKING REQUIREMENTS:	
STAFF	1 PER STAFF AT 7 WORKERS = 7 SPACES
DINING	57 SEATS AT 1 PER 3 SEATS = 19 SPACES
TOTAL REQUIRED PARKING	26 SPACES

FLOOR PLAN- SEATING LAYOUT

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

A-7



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HANDRAIL & GUARDRAIL NOTES:

GUARDRAILS AND HANDRAIL SHALL BE DESIGNED TO WITHSTAND A 200 POUND CONCENTRATED LOAD APPLIED IN ANY DIRECTION AND AT ANY POINT ON THE TOP RAIL. GUARDRAILS AND HANDRAILS SHALL ALSO BE DESIGNED TO WITHSTAND A UNIFORM LOAD OF 50 POUNDS PER FOOT APPLIED HORIZONTALLY TO THE TOP RAIL. UNIFORM LOADS ARE NOT TO BE APPLIED SIMULTANEOUSLY WITH THE CONCENTRATED LOADS.

PICKETS AND INTERMEDIATE RAILINGS SHALL BE PROVIDED SUCH THAT A 4"(INCH) DIAMETER SPHERE CANNOT PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34"(INCHES). FROM A HEIGHT OF 34"(INCHES) TO 42"(INCHES) ABOVE THE ADJACENT WALKING SURFACE, A SPHERE OF 8"(INCHES) DIAMETER SHALL NOT PASS.

THE TRIANGULAR OPENING FORMED BY THE RISER, TREAD AND BOTTOM RAIL AT THE OPEN SIDE OF A STAIRWAY SHALL BE A MINIMUM SIZE SUCH THAT SPHERE OF 6"(INCHES) IN DIAMETER CANNOT PASS THROUGH THE OPENING.

PICKETS AND INTERMEDIATE RAILINGS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA AND NOT TO EXCEED ONE SQUARE FOOT INCLUDING OPENINGS AND SPACES BETWEEN RAILS.

LOADING ON ALL RAILINGS AND GUARDRAILS SHALL COMPLY WITH SECTION 1607.8 OF THE 2015 IBC, 2015 EDITION.

DOOR NOTES:

- 1. ALL DOOR HARDWARE SHALL BE HEAVY DUTY GRADE -1. FINISH SELECTED BY OWNER OR AS INDICATED ON PLANS.
2. THE MAIN EXTERIOR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICE FROM THE EGRESS SIDE PROVIDED "A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE LOCKING DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1 INCH HIGH IN CONTRACTING BACKGROUND.
3. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" RAISED THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL.
4. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
5. UNLESS OTHERWISE SPECIFICALLY PERMITTED, SINGLE FIRE DOORS AND BOTH LEAVES OF PAIRS OF SIDE HINGED SWINGING FIRE DOORS SHALL BE PROVIDED WITH AN ACTIVE LATCH BOLT THAT WILL SECURE THE DOOR WHEN IT IS CLOSED. NO HARDWARE ALLOWED ON BOLTED LEAF.
6. ACCESSIBLE DOORS SHALL BE OPERABLE WITH A TYPE OF HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. THE UNLATCHING OF MEANS OF EGRESS DOORS SHALL NOT REQUIRE MORE THAN ONE OPERATION.
7. LEVER-OPERATED MECHANISMS AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.
8. AT SOUND PROOF HARDWARE: PROVIDE SOUND SEALS AT HEAD, JAMBS, AND THRESHOLD. PROVIDE AS MANUFACTURED BY ZERO INTERNATIONAL #564 FLOOR MOUNTED. INTERNATIONAL #365 AUTOMATIC DOOR BOTTOM, SURFACE MOUNTED TO BOTTOM OF THE DOOR. HEAD AND JAMB APPLIED SEALS #970 BY ZERO INTERNATIONAL, ADJUSTABLE SEALING SYSTEMS, SURFACE MOUNTED TO DOOR FRAME.
9. ALL FIRE RATED DOOR AND FRAME ASSEMBLIES SHALL HAVE RATED LABELS BY UL, FM, OR WH. ALL LABELS SHALL BE ATTACHED PERMANENTLY AND NO PAINTING ALLOWED OVER THE LABELS.

GENERAL NOTES:

- 1. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATIONS.
2. ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, NFPA, RECOGNIZED BUILDING STANDARDS, ALL MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, AND ALL OTHER APPLICABLE CODES AND STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS UNLESS A WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT IS ISSUED.
4. THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURE INDICATED ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH PRIOR TO ANY EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
5. PRIOR TO ANY EXCAVATION, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL CONTACT NOTIFY LOUISIANA ONE-CALL AT 1-800-272-3020 FOR LOCATION OF ALL SUB-SURFACE UTILITIES. ALL NOTIFICATIONS SHALL COMPLY WITH THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW.
6. FIRE BARRIERS SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL. FROM ANOTHER FIRE BARRIER TO A FIRE BARRIER. TO A FIRE BARRIER OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE A CEILING, INCLUDING ALL INTERSTITIAL SPACES.
PASSAGES OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIR DUCTS, PNEUMATIC DUCTS, AND SIMILAR BUILDING SERVICES EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS: THE SPACE BETWEEN PENETRATING ITEM AND FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE RATING OF THE FIRE BARRIER PRODUCT. PRODUCT USED MUST MEET TEST METHODS ASTM E814 OR UL1479 FOR FIRE RATINGS.
FIRE BARRIERS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH 1" STENCILING AT 30" ON CENTERS ABOVE ANY DECORATIVE OR FINISHED CEILING AND CONCEALED SPACES WITH THE FOLLOWING: "FIRE-SMOKE BARRIER-PROTECT ALL OPENINGS". COLOR OF STENCIL LETTERING SHALL BE "RED". MARKINGS SHALL INCLUDE ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS. ALL LABELING SHALL COMPLY WITH 2015 IBC SECTION 703.6.
7. PROVIDE BLOCKING IN ALL STUD WALLS THAT ARE TO RECEIVE GRAB BARS, TOILET PARTITIONS, SIGNAGE, TOILET ACCESSORIES, MIRRORS, AND SCREENS.
8. ALL EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR AND/OR WATER LEAKS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.
9. PROVIDE CONTINUOUS WATERPROOFING SILICONE BASED SEALANT AND BACKER ROD AT ALL ALUMINUM WINDOW STOREFRONT AND ADJACENT MATERIAL TERMINATIONS. SEALANT SHALL MATCH ADJACENT MATERIAL COLOR.
10. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTIONS BETWEEN DISSIMILAR MATERIALS, I.E. BRICK TO EPIS, STOREFRONT TO BRICK.
11. ALL METL VENTS AND FLUES SHALL BE FLASHED WITH A FLASHING BOOT. SEAL ALL METAL TO METAL CONNECTIONS WITH DOW CORNING NO. 795. NO CLEAR SILICONE SHALL BE ALLOWED.
12. PROVIDE METAL J-MOLDING AND CORNER BEADS AT THE EXPOSED EDGES OF ALL GYPSUM BOARD WALL AND CEILING CONDITIONS.
13. ALL GYPSUM BOARD AT TOILET ROOMS SHALL BE MINIMUM 5/8" PURPLE "XP" MOLD/MILDEW RESISTANT SHEATHING.
14. ALL BACKING FOR CERAMIC TILES AT SHOWERS AND WE AREAS SHALL BE MATCHING WALL SHEATHING HARDI OR OTHER EQUAL CEMENT BOARD BACKING.
15. ALL FLOOR TILE SHALL HAVE A MINIMUM NON-SLP DCOF 0.42
16. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC 2014 EDITION.
17. ALL PLUMBING WORK SHALL COMPLY WITH 2015 INTERNATIONAL PLUMBING CODE WITH LOUISIANA AMENDMENTS.

SECTION 01700 - CONTRACT CLOSOUT

1.01 GENERAL

A. All submittals, cleaning, documents, maintenance materials, operation data, guarantees, keys and spare parts must be completed and submitted to Architect prior to final payment.

1.02 CLEANING

- A. General
1. Maintain premises and public properties free from accumulations of waste, debris and rubbish, caused by operations.
2. At completion of work, remove waste materials rubbish, tools, equipment, machinery and surplus materials, and clean all sight-exposed surfaces; leave project clean and ready for occupancy.
B. Materials
1. Use only cleaning materials recommended by manufacturer of surface to be cleaned.
2. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.
C. During Construction
1. Exercise cleaning to ensure that building, grounds, and public properties are maintained free from accumulations of waste materials and rubbish.
2. Wet down dry materials and rubbish to lay dust and prevent blowing dust.
3. At reasonable intervals during progress of work, clean site and public properties, and dispose of waste materials, debris and rubbish.
4. Remove waste materials, debris and rubbish from site and legally dispose of at public or private dumping areas off Owner's property. Handle materials in a controlled manner with as few handling as possible; do not drop or throw materials from heights.
5. Schedule cleaning operations so that dust and other contaminants resulting from cleaning process will not fall on wet, newly painted surfaces.
D. Final Cleaning
1. Employ experienced workmen, or professional cleaners, for final cleaning.
2. In preparation for substantial completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces. Remove debris from all concealed spaces.
3. Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials, from sight-exposed interior and exterior finished surfaces polish surfaces as designated to shine finish.
4. Clean all glass inside and out.
5. Repair, patch and touch up marred surfaces to specified finish, to match adjacent surfaces.
6. Broom clean paved surfaces. Rake clean other surfaces of grounds.
7. Replace air conditioning filters if units were operated during construction.
8. Clean ducts, blowers, and coils, if air conditioning units were operated without filters during construction.
9. Maintain cleaning until project, or portion thereof, is occupied by Owner.
10. Remove all temporary facilities and utilities and tie-ins.

1.03 PROJECT RECORD DOCUMENTS

- A. Maintenance of Documents
1. Maintain at job site, one copy of:
a. Contract Drawings
b. Specifications
c. Addenda
d. Reviewed Shop drawings
e. Change orders
f. Other modifications to contract
g. Field test records.
2. Provide files and racks for storage of documents.
3. File documents in accordance with Specifications Index.
4. Maintain documents in clean, dry, legible condition.
5. Do not use record documents for construction purposes.
6. Make documents available at all times for inspection by Architect and Owner.
B. Recording
1. Keep record documents current.
2. Do not permanently conceal any work until required information has been recorded.
3. Contract Drawings: Legibly mark to record actual construction:
a. Depths of various elements of foundation in relation to first floor.
b. Horizontal and vertical location of underground utilities and appurtenances referenced to visible and accessible features of structure.
c. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
d. Field changes of dimension and detail.
e. Changes made by Change Order or Field Order.
f. Details not on original Contract Drawings.
4. Specifications and Addenda: Legibly mark up each section to record:
a. Manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually installed.
b. Changes made by Change Order or Field Order.
c. Other matters not originally specified.
C. Submittal
1. At completion of project, deliver record documents to Architect.
2. Accompany submittal with transmittal letter, in duplicate, containing:
a. Date.
b. Project title and number.
c. Contractor's name and address
d. Title and number of each record document.
e. Certification that each document so submitted is complete and accurate.
f. Signature of Contractor, or his authorized representative.

1.04 OPERATION AND MAINTENANCE MANUALS

A. Prior to substantial completion furnish two (2) complete sets of manuals containing manufacturer's instructions for operation and maintenance of each item of equipment and apparatus furnished under the contract. Manual shall show manufacturer's name, address and telephone number, catalog numbers, and parts list. Manuals shall be in book form, indexed and tabbed for reference. Certify by endorsement thereon that each manual is complete.

1.05 GUARANTEES, WARRANTIES AND BONDS

- A. All work will be guaranteed by the contractor for a period of one year, from the date of Substantial Completion.
B. Wording for the notarized guarantee shall be as follows:
"We hereby guarantee all work performed by us on the above captioned project to be free from defective materials and workmanship for a period of one year, or such longer period of time as may be called for in the Contract Documents for such portions of the Work."
C. Guarantee Compliance
1. Except as otherwise specified, all work shall be guaranteed by the Contractor and through him each sub-contractor against defects resulting from the use of inferior materials, equipment or workmanship for one year from the date of Substantial Completion of the contract. In case of work performed by his sub-contractors, the Contractor shall secure warranties from said sub-contractors and deliver copies of the same to the Architect upon completion of the Work.
2. If, within any guarantee period, repairs or changes are required in connection with guaranteed work which, in the Architect's opinion, are rendered necessary as the result of use of materials, equipment, or workmanship which are inferior, defective or not in accordance with terms of the Contract. Contractor shall promptly upon receipt of Owner's notice, and without expense to the Owner:
a. Place in satisfactory condition in every particular all such Guaranteed work, correct all defects therein.
b. Make good all damage to the building, site, equipment or building contents which in the Architect's opinion is the result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with terms of the Contract.
c. Make good any work or material, or the equipment and contents site disturbed in fulfilling such guarantee.
3. In any case where fulfilling the requirements of the Contract, or embraced in or required thereby, the Contractor disturbs any work guaranteed under another contract, he shall restore such disturbed work to condition satisfactory to the Architect and guarantee such restored work to the same extent as it was guaranteed under such other contract.
4. If the Contractor, after notice, fails to proceed promptly to comply with terms of the guarantee, the Owner may have the defects corrected and the Contractor and his surety shall be liable for all expense incurred.
5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specification or other Contract Documents shall be subject to the terms of this Specification Section during the first year of the life of such special guarantee.
6. All guarantees and warranties shall be obtained in the Owner's name and evidence thereof shall be promptly delivered to the Architect for transfer to the Owner.

1.06 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Furnish prior to Final Acceptance the following maintenance materials:
1. A complete spare set of air conditioning filters.
2. Record of all paints used on work to include:
a. Project name.
b. Date.
c. Paint manufacturer.
d. Paint mix numbers by room or space.
B. Furnish prior to installation the following maintenance materials in the next standard carton amount.
1. Ceiling tile in the amount of 5 percent of the area of each type in project.
2. Resilient floor tile and ceramic tile in the amount of 5 percent of the area of each type in the project.
3. All carpet scraps over 2 square feet with at least dimension of 1 foot.
C. In lieu of a lamp warranty furnish two (2) or 10% of each lamp type used in the project to the Owner, whichever ever number is greater.
D. All maintenance materials should be neatly packaged or banded, marked with project name and delivered to the Owner prior to the installation of the particular material.

1.07 FINAL INSPECTION

- A. Contractor shall request, in writing, final inspection by the Architect at least ten (10) days prior to the date requested for inspection. If after the Architect's inspection, he certifies the Project "Substantially Complete", or Owner's acceptance inspection will be scheduled within thirty (30) days thereafter.
B. Contractor will have ten (10) days after Owner's acceptance inspection to make any corrections of punch list items and to submit closeout documents, at which time a post-final inspection will be conducted.
C. After the Architect has performed the Pre-Final, Final and one Post-Final inspection, the Contractor shall reimburse the Architect for all subsequent inspections made to determine completion of the work in accordance with the Contract Documents.
D. The reimbursement shall be based on the standard hourly rate charged by the Architect for the person(s) at the time services are performed.

1.08 CORRECTION OF WORK BEFORE FINAL PAYMENT

- A. Contractor shall promptly remove from Owner's premises all materials condemned by the Architect for failure to conform to the Contract, whether incorporated in the work or not, and the Contractor shall, at his own expense promptly replace such condemned materials with other materials conforming to the requirements of the Contract.
B. In the event the Contractor does not remove any such condemned work after written notice by the Architect, then the Owner may cause such work to be removed at the Contractor's expense.
C. Contractor shall bear the expense of restoring all work or property of Owner damaged by such removal or replacement.
D. If the Contractor fails to remedy such defects after ten (10) days written notice, the Owner may make good such defects and such costs shall be deducted from the balance due the Contractor or charged to the Contractor in the event no payment is due.
E. Issuance of any certificates by Architect and making of any payment by Owner, including final payment, shall not relieve Contractor of responsibility for faulty labor or materials.

1.09 CLOSEOUT DOCUMENTS

- A. In general documents for closeout, to be submitted by the Contractor to the Architect for transmittal to the Owner shall be, but are not limited to the following:
1. Final request for payment.
2. RELEASE OF LIENS AND CERTIFICATION ALL BILLS ARE PAID: The Contractor shall furnish AIA Documents G705 and G706A complete with attached notarized full release of liens, damages, and a guarantee that all materials and labor are paid in accordance with Contract Documents, with the following wording:
"We hereby certify that all bills for labor and materials incorporated into the above captioned project under our contract have been paid and that the Owner is released from any and all claims and/or damages under this Contract."
3. Notarized statement that project has been constructed in accordance with Contract Documents.
4. Project Record Documents.
5. Operation and Maintenance Manuals.
6. Letter stating non-inclusion of asbestos containing materials.
7. Official Lien and Privilege Certificate issued by Clerk of Courts office where contract filed.

Soil Treatment

1. QUALITY ASSURANCE

A. Applicator shall be experienced in this field and be licensed, registered and bonded per State of Louisiana requirements and meet the approval of the Architect prior to commencing work.

2. GUARANTEE

- A. Upon completion of soil treatment and as a condition of final acceptance, furnish the Owner a written one (1) year Bonded Guarantee.
B. Guarantee shall state that the application was made at the concentration rates and methods to comply with these specifications.
C. The effectiveness of the guaranteed for not less than one (1) year without cost to the Owner and at the end of said period, the Owner shall be offered a renewable contract on a yearly basis at the Owner's option and on an agreed upon annual fee.
D. Re-treatment upon evidence of subterranean termite activity shall be at no cost to the Owner and in accordance with acceptable trade practices.
E. Damage to the building caused by termites shall be corrected without cost to the Owner and in accordance with acceptable trade practices.
F. The guarantee is not cancellable by any party of the Contract, except the Owner.
G. Draw the guarantee in favor of the Owner and submit a sample form to the Architect for approval before beginning work.

3. TIME OF APPLICATION

- A. Do not begin treatment until all preparations for slab placement have been completed.
B. Treatment shall be recorded prior to the placement of vapor barrier and reinforcing steel and mesh.
C. Do not apply treatment when surface water is present on surfaces to receive treatment.

4. LOCATION

- A. Apply soil treatment to all areas beneath concrete floor slabs on grade or fill, and along the interior side of all foundation walls and grade beams.
B. Where the exterior wall of the foundation is abutted by other concrete slabs or surfaces, treat the exterior side of the foundation walls and grade beams as specified for interior side of such walls.

5. RATE OF APPLICATION

- A. Apply solutions as regulated by the Environmental Protection Agency and any and all regulatory agencies.

6. RE-TREATMENT

- A. All chemicals used in any re-treatment must be previously certified as to type of chemical and rate of concentration.

PROJECT INSURANCE REQUIREMENTS:

- 1. Contractor shall provide temporary toilet facilities for the duration of the project.
2. Contractor shall provide all temporary power during construction. Contractor shall be responsible for all temporary permit fees and inspection cost.
3. Contractor shall provide the following insurance limits during the duration of the project. Contractor shall provide insurance certificate to the owner prior to commencing any work.

Insured: Additional Insured: Project Architect

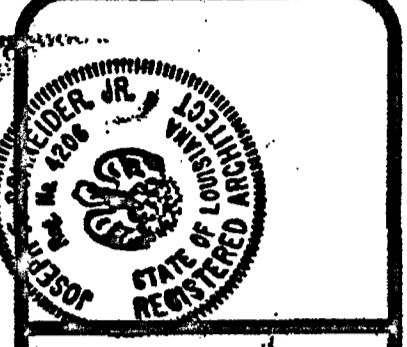
TYPE OF COVERAGE

ALL LIMITS IN THOUSANDS

Table with 3 columns: Coverage Type, Description, Limit. Includes General Liability (General aggregate \$1,000,000), Automobile Liability (Combined Single \$500,000), Workers Compensation & Employee Liability (Each Accident \$500,000).

Policy shall include a Waiver of Subrogation whereas the Owner and Contractor waive all rights against each other and any of their subcontractors, agents and employees, each of the other, and the Architect, Architect's consultants, separate contractors, if any.

REVISIONS BY table with 2 columns: REVISIONS, BY



GENERAL PROJECT NOTES

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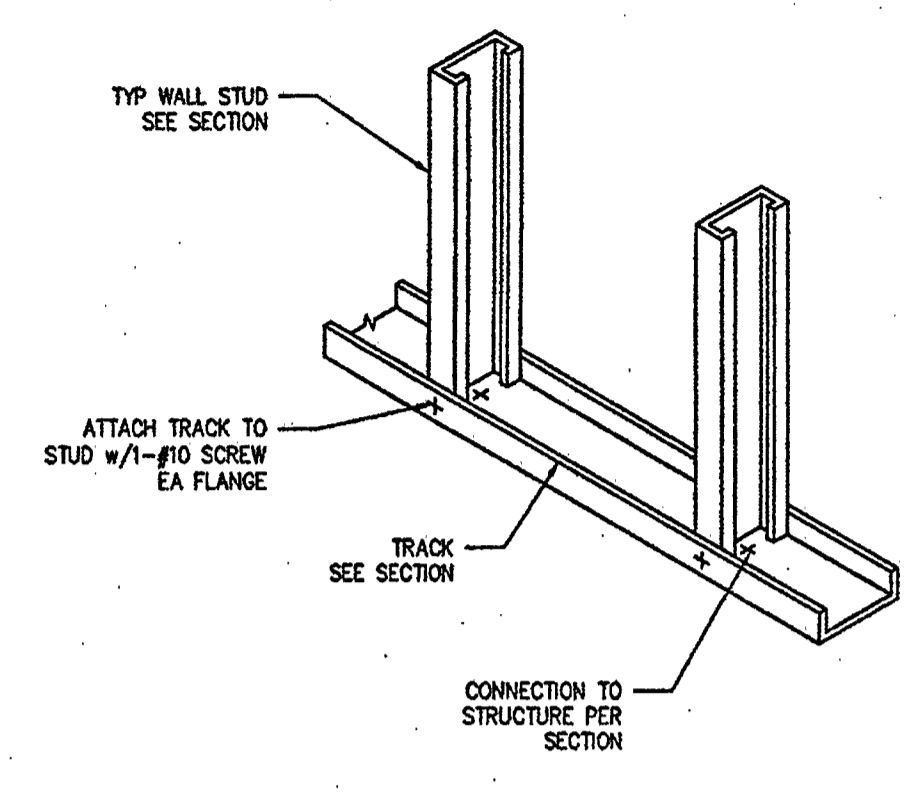
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CHECKED J. SCHNEIDER
DATE 01-09-2019
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JOB NO.
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REVISIONS	BY

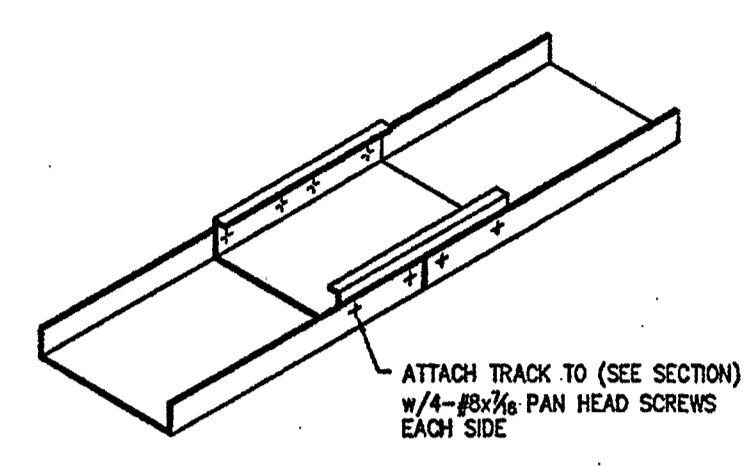


TYPICAL DETAILS

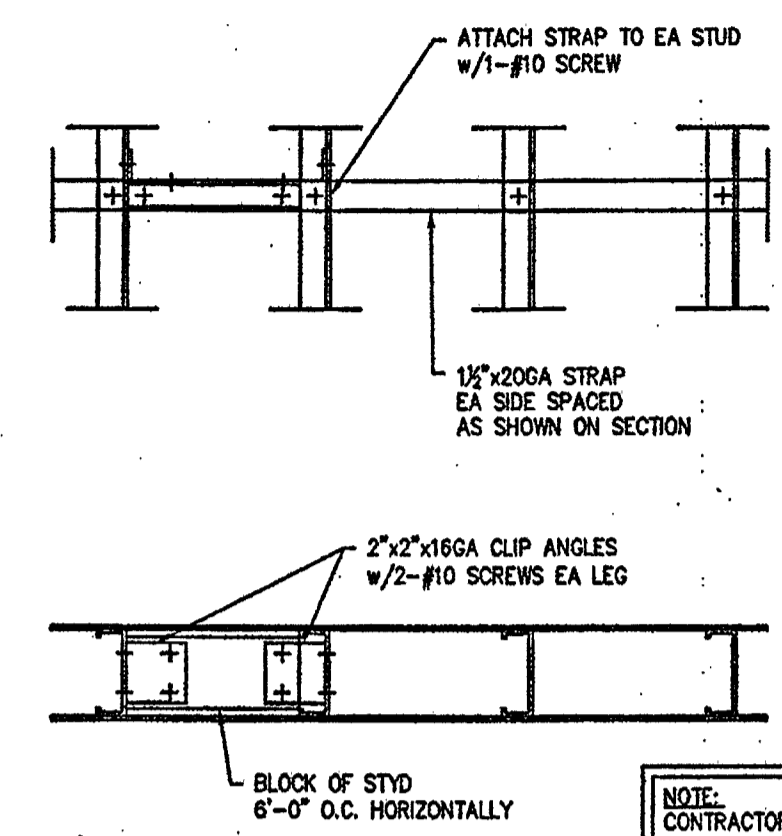
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STUD TO TRACK DETAIL
NTS

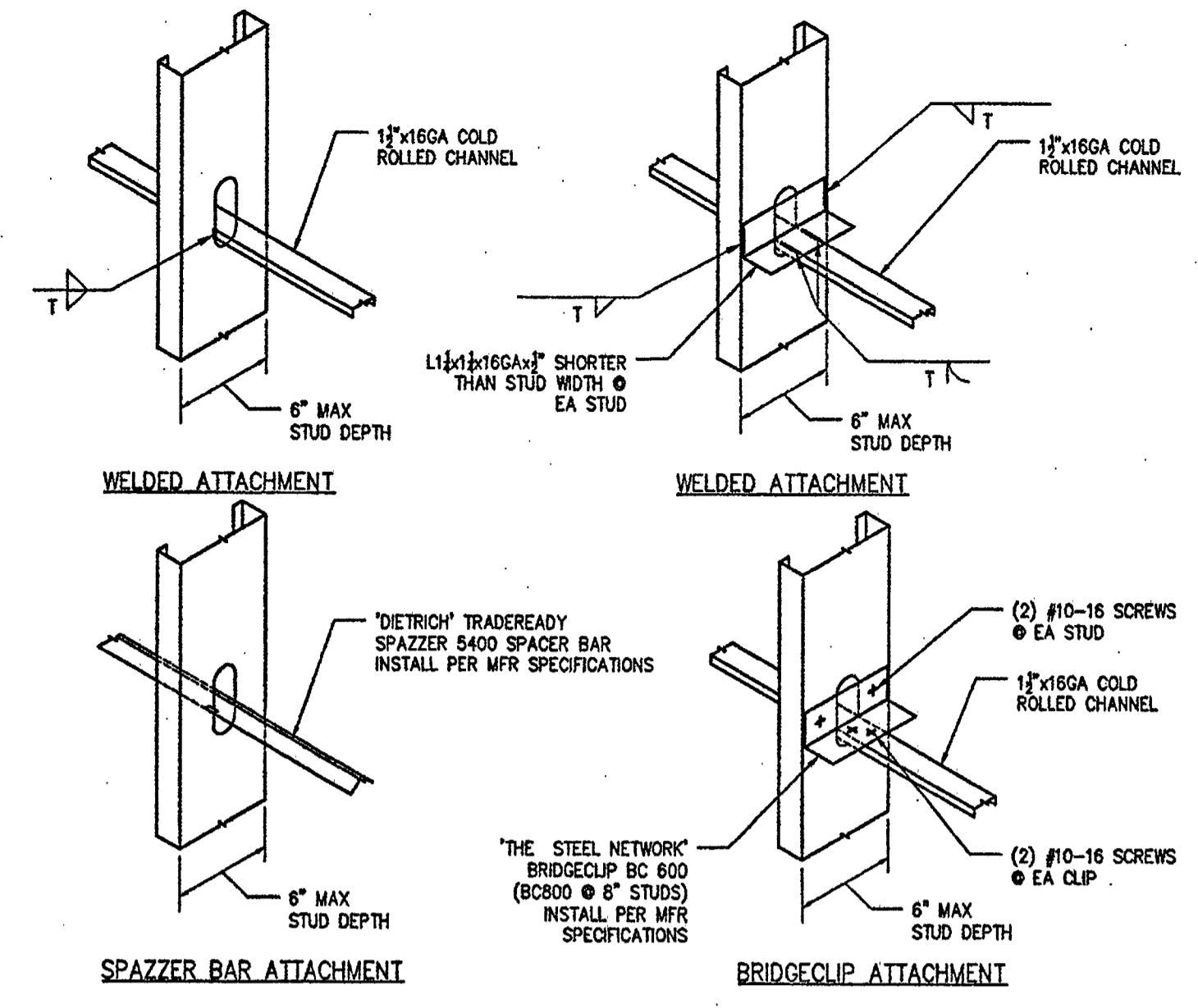


SECTION - TRACK SPLICE
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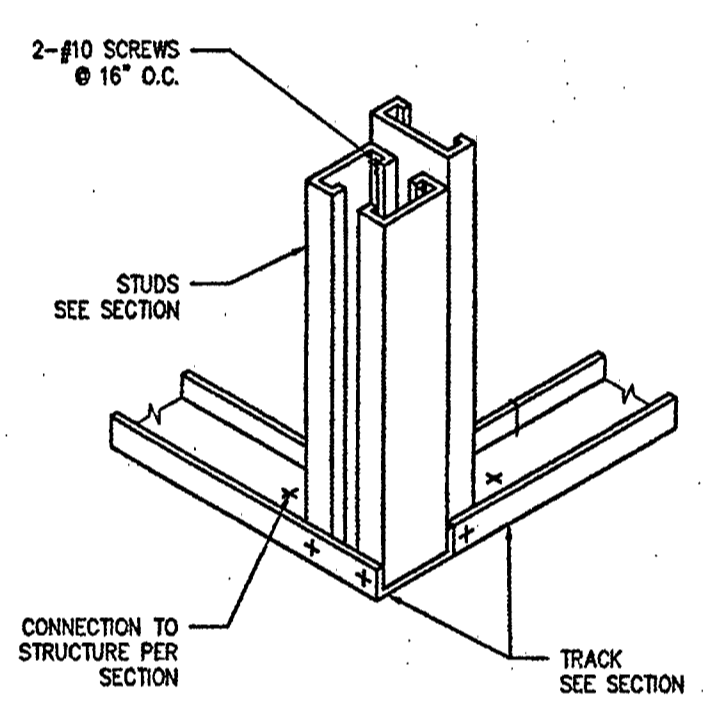


STUD BRIDGING DETAIL
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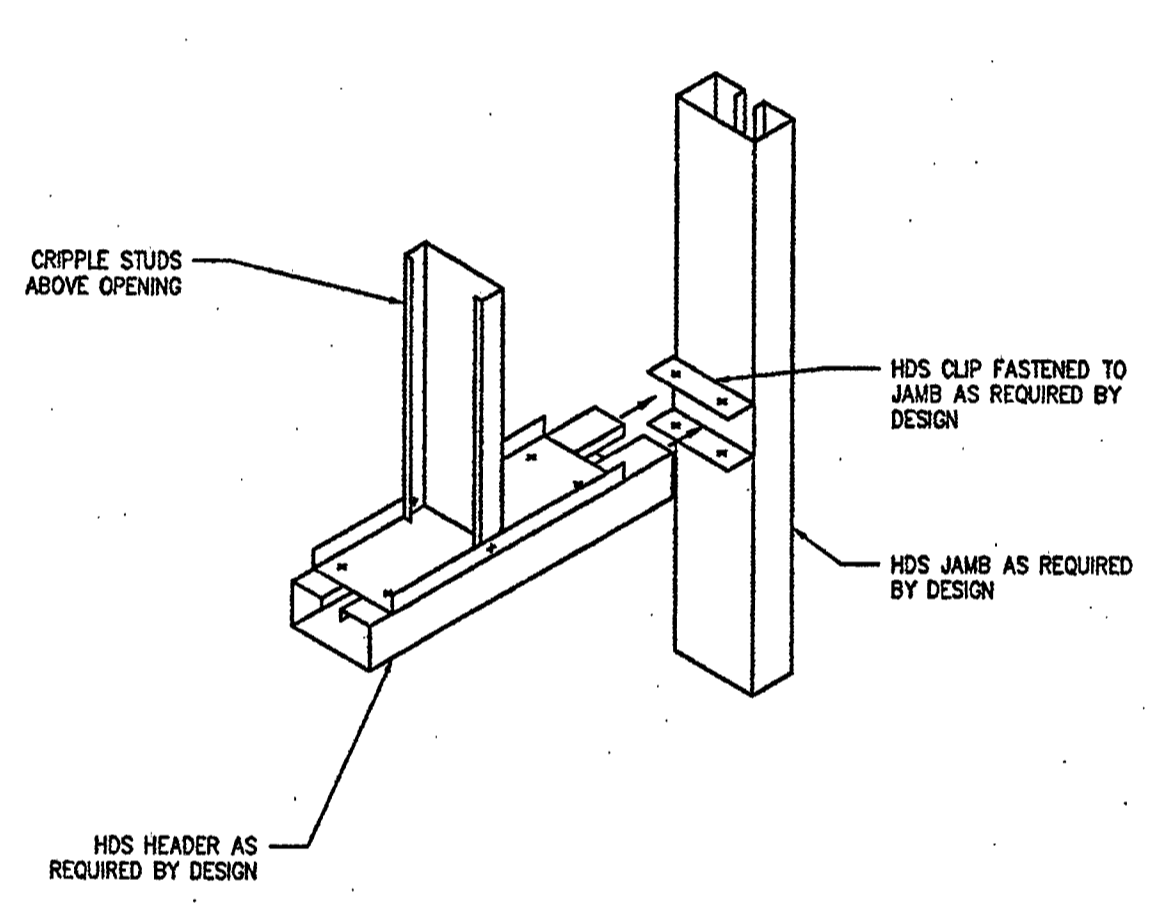
NOTE:
CONTRACTOR OPTION TO USE EITHER DETAIL 3 OR 3A/150.1 THIS DETAIL MUST BE USED FOR 8" STUDS OR LARGER.



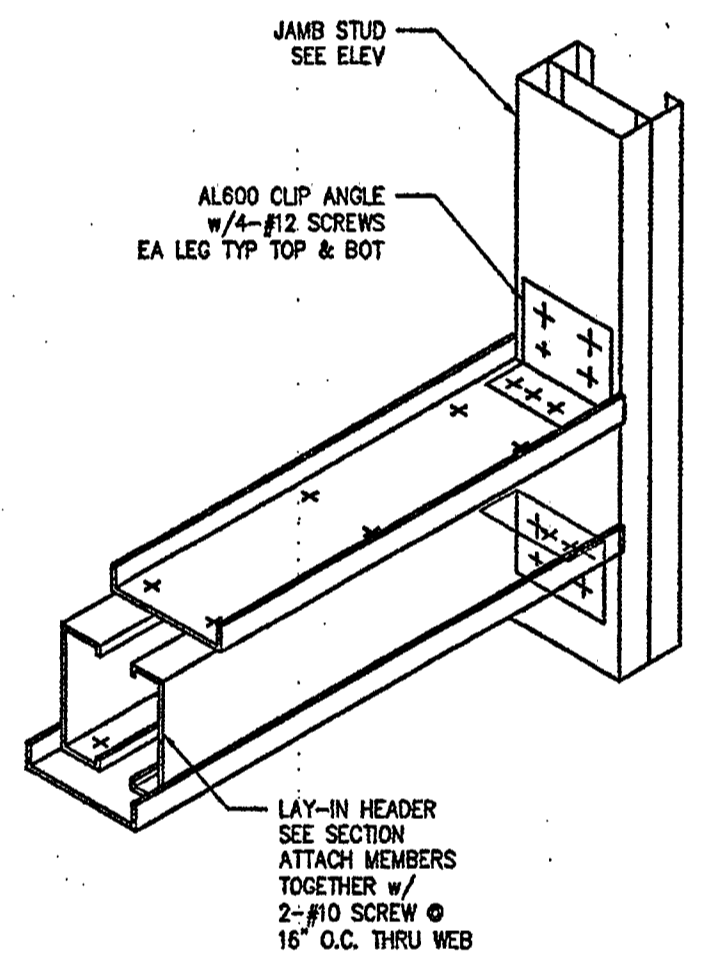
BRIDGING ATTACHMENTS
NTS



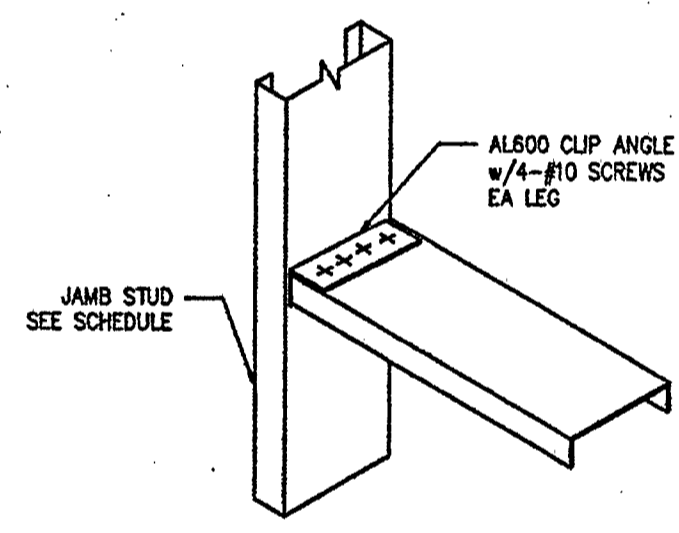
WALL INTERSECTION DTL
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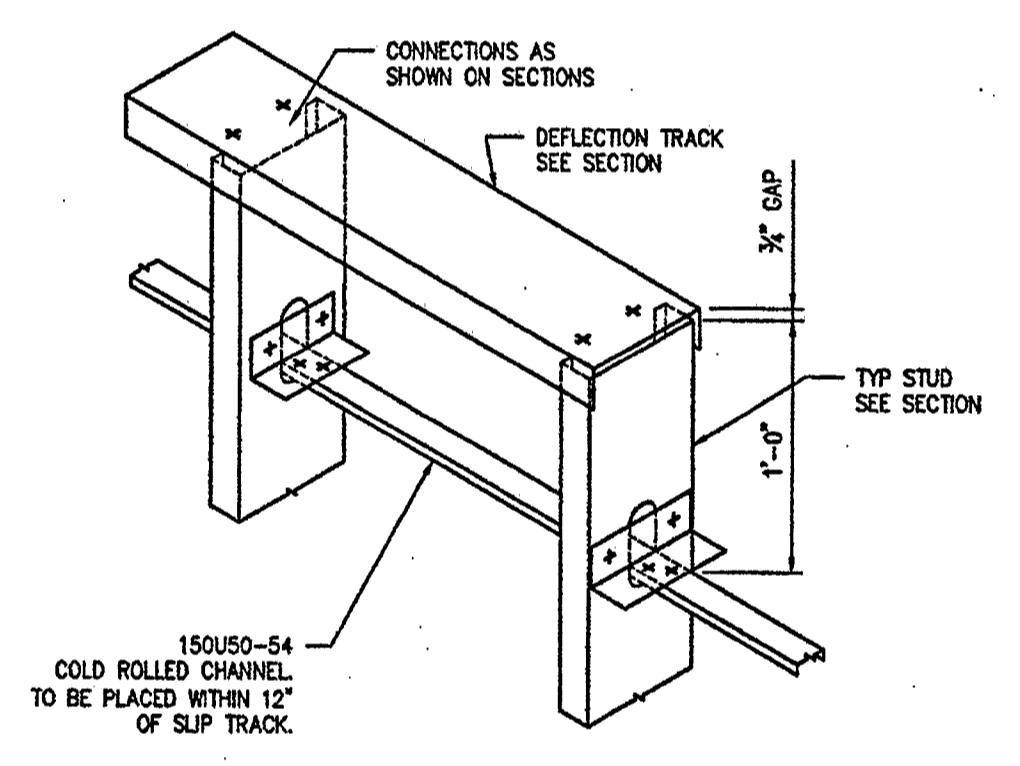
HDS CONNECTION
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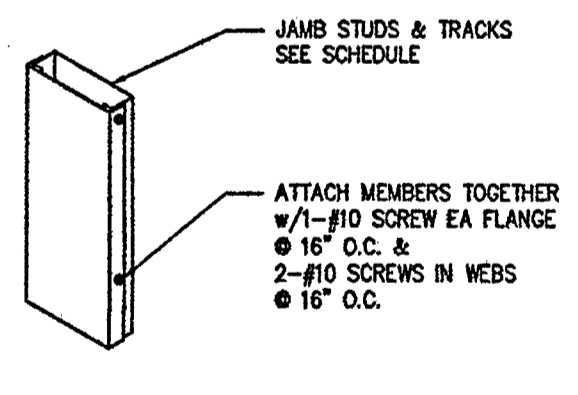
LAY-IN HEADER DETAIL
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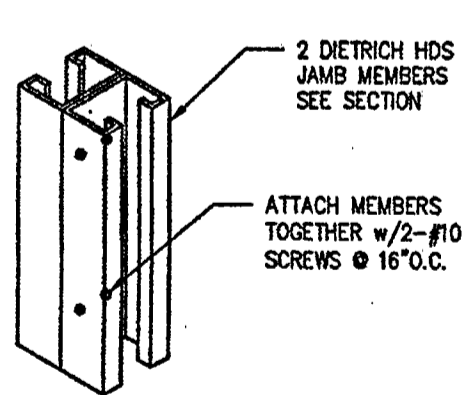
SILL DETAIL
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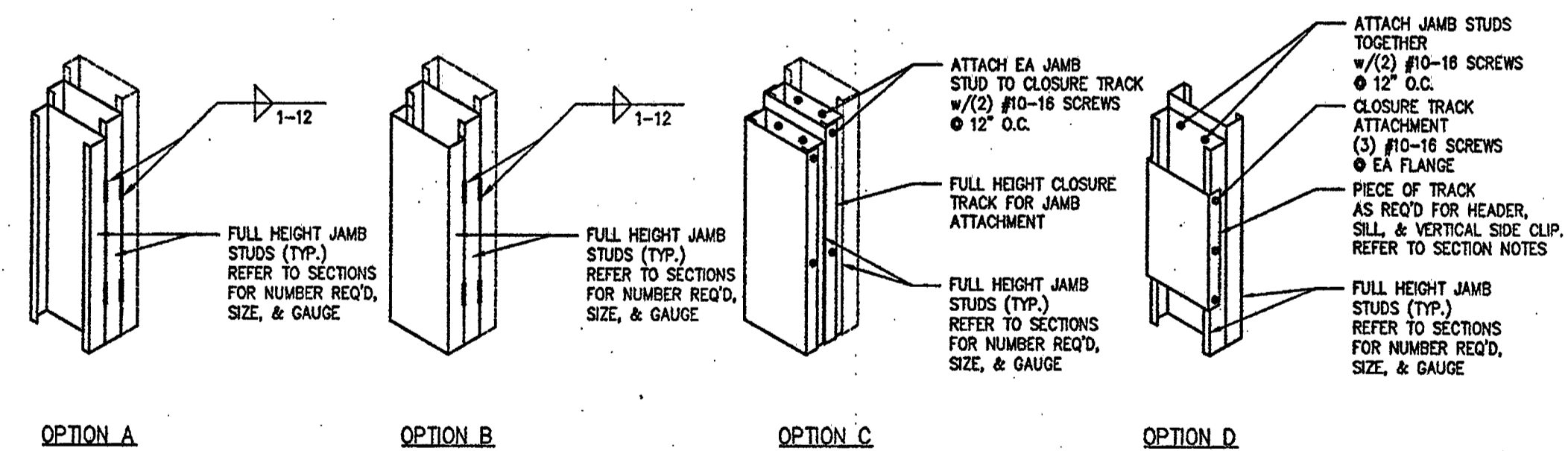
DEFLECTION TRACK DETAIL
NTS



JAMB DETAIL
NTS



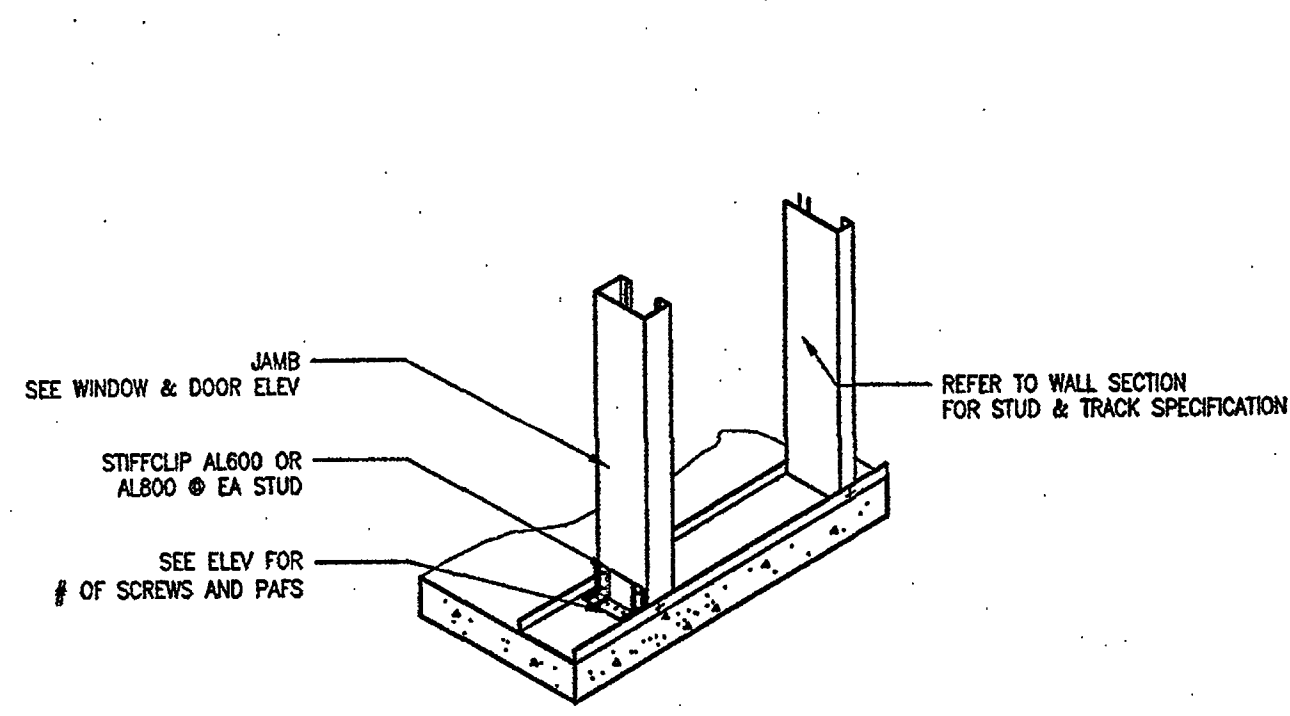
JAMB DETAIL
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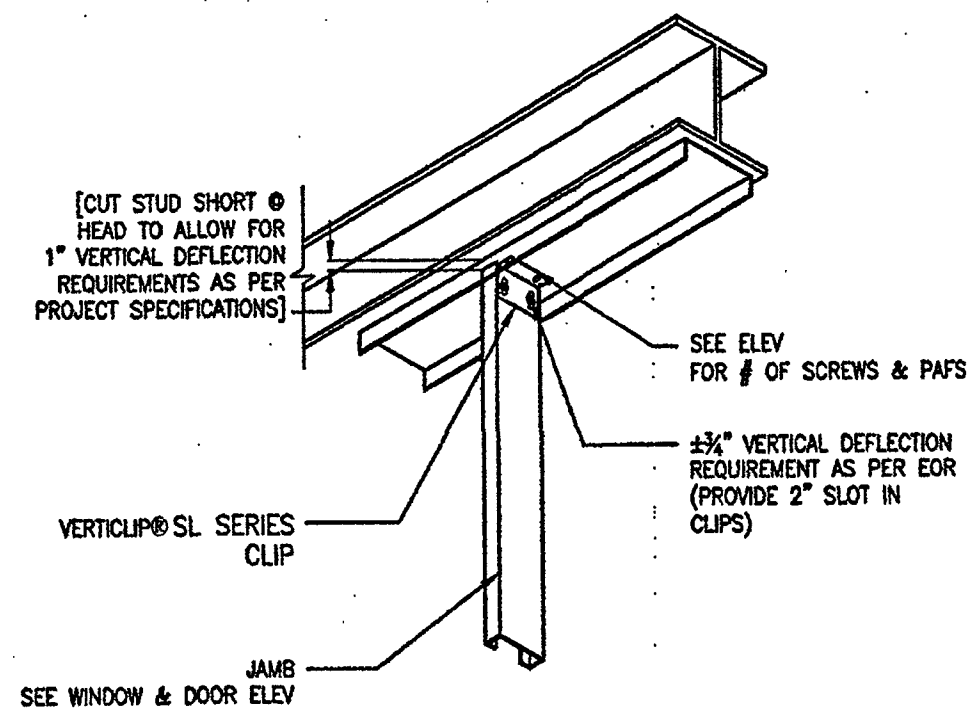
JAMB ATTACHMENTS
NTS

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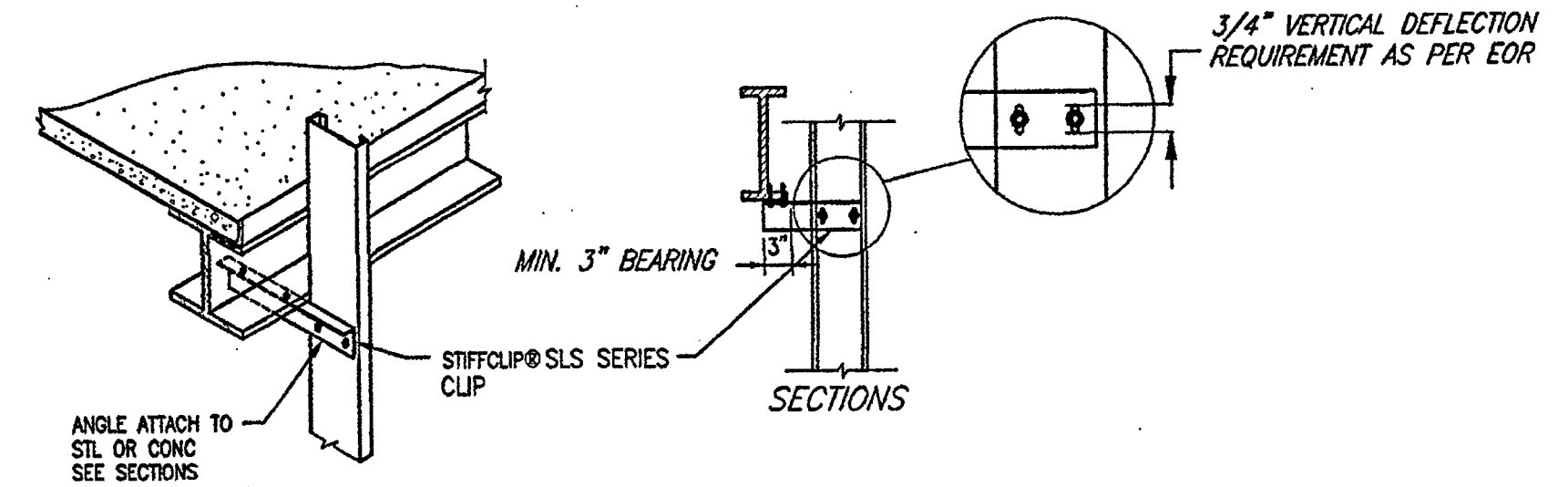
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CHECKED	J. SCHNEIDER
DATE	01.09.2019
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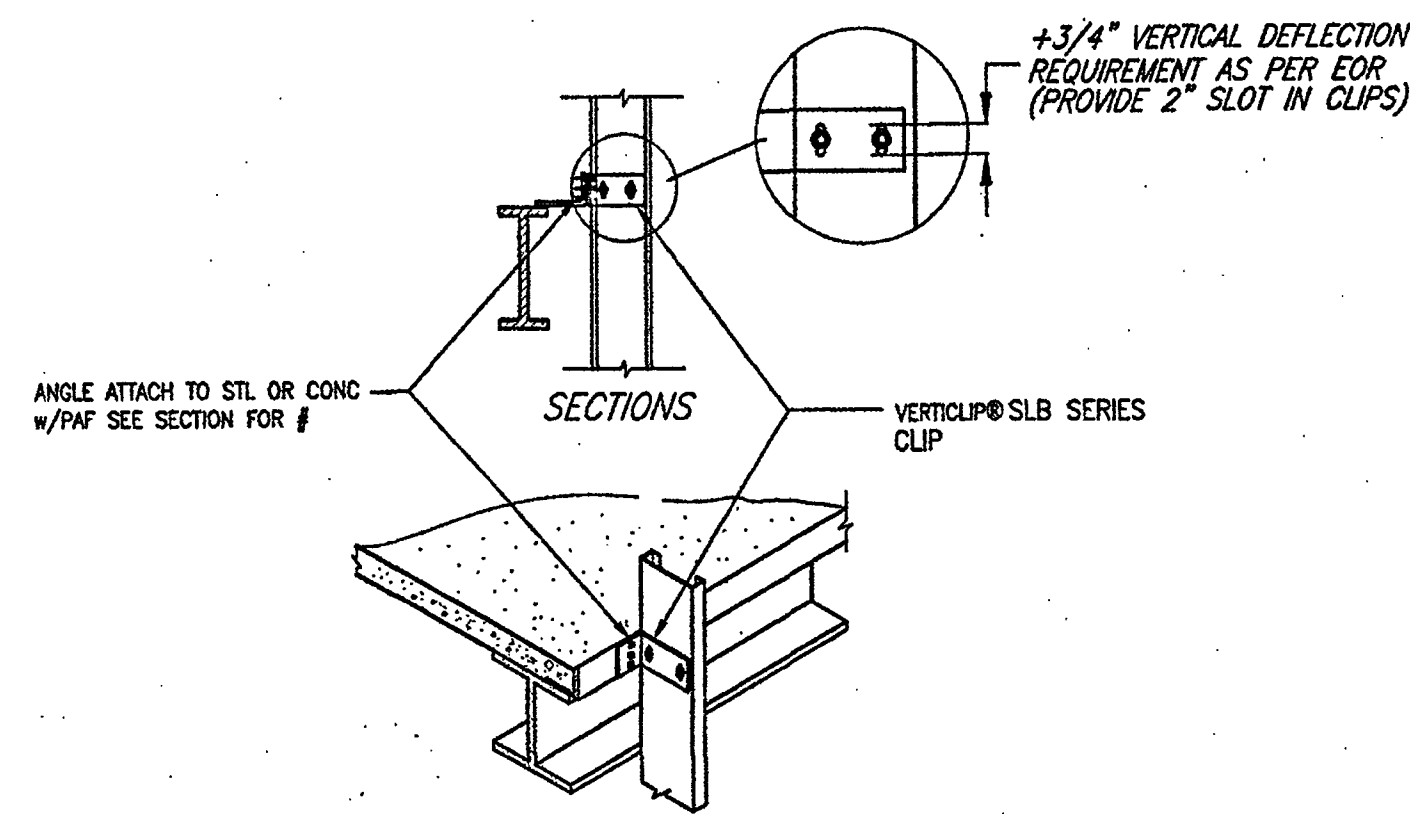
JAMB TO SLAB CONN DETAIL
NTS



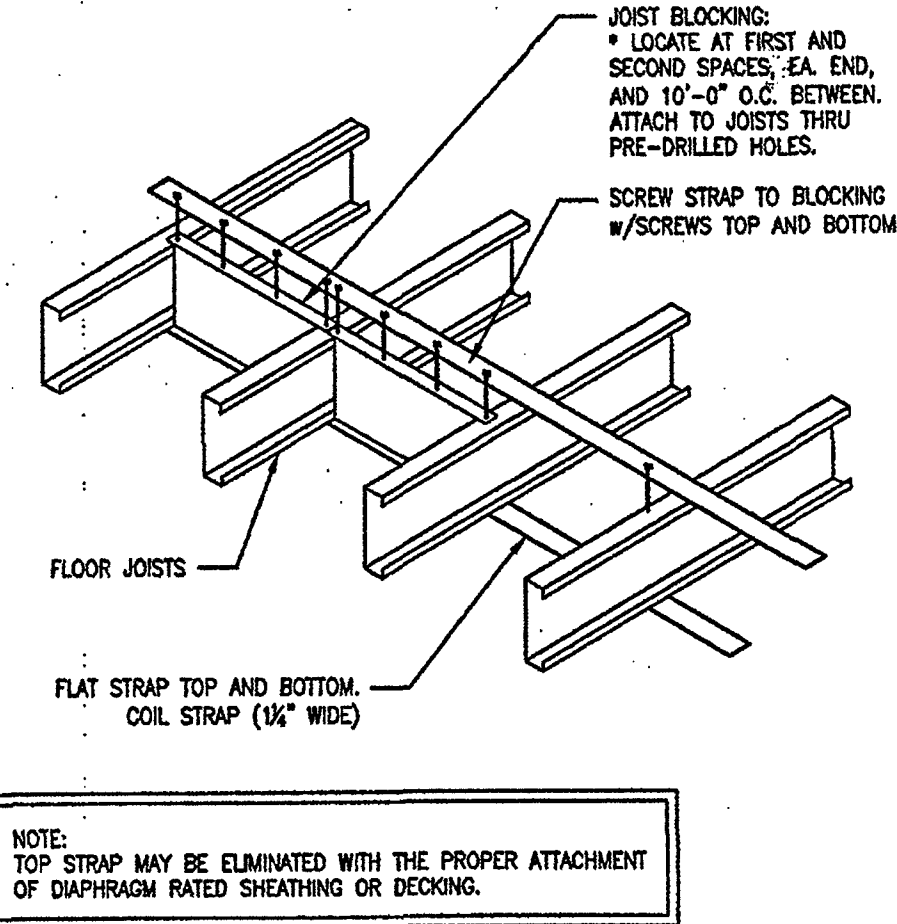
TOP OF JAMB TO STRUCT CONN DETAIL
NTS



VERTICAL SLAB BYPASS CLIP
NTS



VERTICAL SLAB BYPASS CLIP
NTS



JOIST BLOCKING DETAIL
NTS

LIGHT GAUGE FRAMING

1.1 PERFORMANCE
A. WIND LOAD - COMPONENT AND CLADDING

1. PER ARCHITECT'S DOCUMENTS

Component & Cladding Loads	
Zone/Area	1'-100ft
Wall 4	33/-36
Wall 5	33/-42

B. STRUCTURAL PERFORMANCE: COLD FORMED METAL FRAMING CAPABLE OF WITHSTANDING THE DESIGN LOAD AND UNDER CONDITIONS INDICATED.
1. DEFLECTION LIMITS: DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOAD WITHOUT DEFLECTING GREATER THAN THE FOLLOWING:
NON BRICK VENEER: Max Deflect 3/8" of web H.

1.2 QUALITY ASSURANCE
A. PRODUCT TESTS: MILL CERTIFICATE OR DATA FROM A QUALIFIED INDEPENDENT TESTING AGENCY INDICATING SHEET STEEL COMPLIES WITH REQUIREMENTS.
B. WELDING: QUALIFYING PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL".
C. AISI SPECIFICATIONS AND STANDARDS: COMPLY WITH "AISIS" NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND ITS "STANDARD FOR COLD FORMED FRAMING-GENERAL PROVISIONS".

2.1 MATERIALS
A. SHEET STEEL: ASTM A1003/A1003M STRUCTURAL GRADE 5 METALLIC COATED OF GRADE AND COATING WEIGHT AS FOLLOWS:
1. GRADE:
a. STUDS OR JOISTS 43 MIL (16 GAUGE) OR THINNER SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
b. STUDS OR JOISTS 54 MIL (16 GAUGE) OR THICKER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI UNO.
c. ALL TRACKS AND ACCESSORIES SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI UNO.
2. COATING: G60

2.2 FRAMING
A. BASIS-OF-DESIGN PRODUCT: THE DESIGN FOR LOAD BEARING WALL FRAMING IS BASED ON SSMA STANDARDS SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
1. MARNIO/WARE
2. DIETRICH INDUSTRIES
3. CLARK-WESTERN
4. OR APPROVED EQUAL

B. STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS, PUNCHED, WITH STIFFENED FLANGES, WITH DEPTH, FLANGE WIDTHS, AND BASE METAL THICKNESSES AS INDICATED ON DRAWINGS.
C. STEEL TRACK: MANUFACTURER'S STANDARD U-SHAPED TRACK, OF WEB DEPTHS INDICATED, UNPUNCHED WITH STRAIGHT FLANGES, AND SAME MINIMUM BASED METAL THICKNESS AS INDICATED ON DRAWING.
D. STEEL BOX OR BACK TO BACK HEADERS: MANUFACTURER'S STANDARD SHAPES TO FORM HEADER BEAMS, OF WEB DEPTHS INDICATED.
E. SINGLE DEFLECTION TRACK: MANUFACTURER'S SINGLE DEEP-LEG, U-SHAPED TRACK, UNPUNCHED, WITH UNSTIFFENED FLANGES OF WEB DEPTH TO CONTAIN STUDS WHILE ALLOWING FREE VERTICAL MOVEMENT, WITH FLANGES DESIGNED TO SUPPORT HORIZONTAL AND LATERAL LOADS.

LIGHT GAUGE CONT.

2.3 FRAMING ACCESSORIES
A. BASIS-OF-DESIGN PRODUCTS: THE DESIGN FOR FRAMING ACCESSORIES IS BASED ON SSMA STANDARD, SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
1. MARNIO/WARE
2. DIETRICH INDUSTRIES
3. CLARK-WESTERN
4. OR APPROVED EQUAL

B. FABRICATE STEEL-FRAMING ACCESSORIES FROM SHEET STEEL, ASTM A1003, A1003M, STRUCTURAL GRADE, TYPE H, METALLIC COATED, OF SAME GRADE COATING WEIGHT USED FOR FRAMING MEMBERS, UNLESS OTHERWISE INDICATED.
C. STEEL SHAPES AND CLIPS: ASTM A25/A25M, ZINC COATED BY HOT DIPPING PROCESS ACCORDING TO ASTM A123/A123M.
D. EXPANSION ANCHORS: FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E488 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY. EXPANSION ANCHORS SHALL BE 3/8" HILT METAL HLT ANCHORS 1" MINIMUM EMBEDMENT AND 3" EDGE DISTANCE.
E. POWER-ACTUATED FASTENERS (PAF): FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION RESISTANT MATERIAL, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 10 TIMES DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E1190 CONDUCTED BY A QUALIFIED, INDEPENDENT TESTING AGENCY. PAF SHALL BE HILT 0.157" DIAMETER X-U FASTENERS. MAXIMUM EMBEDMENT FOR CONCRETE APPLICATION SHALL BE 1 1/2". MINIMUM 3" CENTER TO EDGE DISTANCE AND CENTER TO CENTER SPACING.

F. MISCELLANEOUS MATERIALS:
1. GALVANIZED REPAIR PAINT: ASTM A780
2. SHIMS: LOAD BEARING, HIGH DENSITY MULTIMONOMER PLASTIC NONLEACHING.

3. POWER-ACTUATED FASTENERS INTO STRUCTURAL STEEL MAYBE SUBSTITUTED AS FOLLOWS:
a. HILT X-EMP-19, MIN BASE METAL THICKNESS GREATER THAN OR EQUAL TO 3/8".
b. 1" WELD EACH SIDE OF TRACK TO STRUCTURAL STEEL AT STUD LOCATION FOR SIX PAFS. WELD THROAT SIZE SHALL MATCH THE THICKNESS OF THE THINNEST WELDED STEEL MEMBER USING E70XX ELECTRODES.

4. REPAIRS AND PROTECTION:
A. GALVANIZED REPAIRS: PREPARE AND REPAIR DAMAGED GALVANIZED REPAIR PAINT, ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER, THAT ENSURES THAT COLD FORM METAL FRAMING IS WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

LIGHT GAUGE CONT.

3.1 INSTALLATION GENERAL
A. INSTALL COLD-FORMED METAL FRAMING ACCORDING TO AISI'S "STANDARD FOR COLD-FORMED STEEL FRAMING-GENERAL PROVISIONS" AND TO MANUFACTURER'S WRITTEN INSTRUCTION UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
B. INSTALL COLD FORMED FRAMING MEMBERS PLUMB, SQUARE AND TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED.
C. INSTALL FRAMING MEMBERS IN ONE PIECE LENGTHS.
D. INSTALL TEMPORARY BRACING AND SUPPORTS TO SECURE FRAMING AND SUPPORT LOADS IN INTENSITY TO THOSE FOR WHICH STRUCTURE WAS DESIGNED. MAINTAIN BRACES AND SUPPORTS IN PLACE, UNDISTURBED, UNTIL ENTIRE INTEGRATED SUPPORTING STRUCTURE HAS BEEN COMPLETED AND PERMANENT CONNECTIONS TO FRAMING ARE SECURED.
E. DO NOT BRIDGE BUILDING EXPANSION AND CONTROL JOINTS WITH COLD FORMED METAL FRAMING. INDEPENDENTLY FRAME BOTH SIDES OF JOINTS.
F. FASTEN HOLE REINFORCING PLATE OVER WEB PENETRATIONS THAT EXCEED SIZE OF MANUFACTURER'S STANDARD PUNCHED OPENINGS.
G. ERECTION TOLERANCE: INSTALL COLD FORMED METAL FRAMING LEVEL, PLUMB, AND TRUE TO LINE TO A MAXIMUM ALLOWABLE TOLERANCE VARIATION OF 3/8 INCH IN 10 FEET (1:960).
H. SPACE INDIVIDUAL FRAMING MEMBER NO MORE THAN PLUS OR MINUS 3/8" FROM PLAN LOCATION. CUMULATIVE ERROR SHALL NOT EXCEED MINIMUM FASTENING REQUIREMENTS OF SHEATHING OR OTHER FINISHING MATERIALS.
I. TRANSVERSELY LOADED STUDS SHALL BE INSTALLED WITHIN 1/8 INCH OF THE WEB PORTION OF TOP AND BOTTOM TRACK. BOTTOM TRACK SHALL REST ON UNIFORM BEARING SURFACE.
J. CUTTING OF LIGHT STEEL FRAMING SHALL BE ACCOMPLISHED WITH A SAW OR A SHEAR. TORCH CUTTING OF LIGHT STEEL FRAMING MEMBERS IS FORBIDDEN.

3.2 FIELD QUALITY CONTROL
A. TESTING: OWNER WILL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTION AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS.
B. FIELD AND SHOP WELDS SHALL BE SUBJECT TO INSPECTION.
C. TESTING AGENCY WILL REPORT TEST RESULTS PROMPTLY AND IN WRITING TO CONTRACTOR AND ARCHITECT.
D. REMOVE AND REPLACE WORK WHERE TEST RESULTS INDICATE THAT IT DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS.
E. ADDITIONAL TESTING AND INSPECTION, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITHIN SPECIFIED REQUIREMENTS.

3.3 REPAIRS AND PROTECTION
A. GALVANIZED REPAIRS: PREPARE AND REPAIR DAMAGED GALVANIZED REPAIR PAINT, ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER, THAT ENSURES THAT COLD FORM METAL FRAMING IS WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

3.4 LIGHT GAUGE ABBREVIATIONS
WEB DEPTH (D), EXPRESSED IN 1/80TH INCHES FLANGE WIDTH (B), EXPRESSED IN 1/80TH INCHES. MINIMUM BASE METAL THICKNESS (t), EXPRESSED IN MILS (1/100TH INCHES).
S-STUD OR JOIST SECTION WITH FLANGE STIFFENERS (C-SECTION)
T-TRACK SECTIONS (U-SHAPED)
U-COLD ROLLED CHANNEL (WITHOUT FLANGE STIFFENERS)
F-FURRING CHANNEL

EXAMPLE: DESIGNATION FOR 6"-16 GAUGE C-SHAPE WITH 1 1/2" FLANGE: 600S162-54
6" MEMBER DEPTH IN 1/80TH INCHES (OUTSIDE TO OUTSIDE)
STUD OR JOIST WITH FLANGE STIFFENERS
1 1/2" FLANGE IN 1/80TH INCHES
MINIMUM BASE METAL THICKNESS (0.054 = 54 MILS)

GAUGE	INCHES	MILS
25	0.017"	18 MIL
26	0.026"	27 MIL
28	0.032"	33 MIL
18	0.042"	43 MIL
16	0.053"	54 MIL
14	0.067"	68 MIL
12	0.096"	97 MIL
10	0.118"	118 MIL

COLD ROLLED STEEL WALL FRAMING NOTES:

ALL INTERIOR AND EXTERIOR COLD ROLL STEEL FRAMING SHALL CONFORM TO THE RECOMMENDATIONS AND SPECIFICATIONS OF THE STEEL STUD MANUFACTURERS ASSOCIATION AND THE LIGHT STEEL FRAMING MANUAL (SSMA).
ALL COLD-ROLLED STEEL FRAMING SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH MANUFACTURER'S RECMMEDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-ROLLED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE FOR 14 AND 16 GAUGE STUDS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 50 KSI. STEEL FOR ALL 18 AND 20 GAUGE STUDS AND JOIST BRIDGING, AND TRACKS SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE GALVANIZED AT LOCATIONS EXPOSED TO WEATHER AND WHEREVER NOTED.

ALL STUDS SHALL BE SECURELY SHEATHED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBEL STUDS AT ALL JAMBS, CORNERS, AND INTERSECTIONS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S WITH THE FOLLOWING MINIMUM REQUIREMENTS.
A. FOR WALLS WITH NO AXIAL LOAD, PROVIDE BRIDGING AT MID-HEIGHT FOR WALLS LESS THAN OR EQUAL TO 10' HIGH, AND 48" O.C. MAXIMUM FOR WALLS GREATER THAN 10' HIGH. IN ADDITION, BRIDGING SHALL BE REQUIRED AT ROOF LINES AND ELSEWHERE AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON DRAWINGS.

INTERIOR NON-LOAD BEARING METAL STUD WALL WITH GYPSUM BOARD ON BOTH SIDES SHALL BE DESIGNED FOR L/240 DEFLECTION AND 5 PSF LATERAL AIR PRESSURE LOADING. INTERIOR METAL STUD FRAMED NON-LOAD BEARING METAL PARTITIONS AT LOBBIES, EXITS, SERVICE CORRIDORS SHALL BE DESIGNED TO WITHSTAND LATERAL AIR PRESSURE OF 10 PSF AND DEFLECTION OF L/360 OF PARTITION HEIGHT. INTERIOR WALL PARTITIONS WITH HARD SURFACE FINISHES SUCH AS CERAMIC TILE OR OTHER HARD SURFACE FINISHES SHALL BE DESIGNED TO WITHSTAND L/360 DEFLECTION FOR PARTITION HEIGHT.

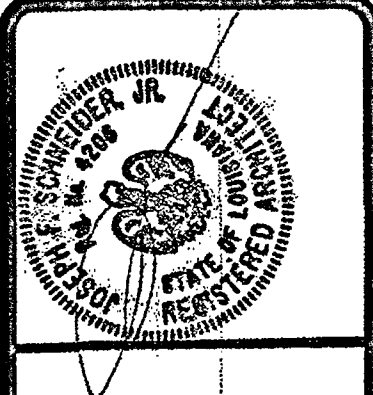
EXTERIOR CURTAIN WALLS SHALL BE DESIGNED FOR WIND LOADS OF 140 MPH. EXTERIOR WALLS WITH STUCCO SHALL BE DESIGNED FOR MINIMUM L/360 DEFLECTION. EXTERIOR WALLS WITH BRICK VENEER SHALL BE DESIGNED FOR MINIMUM L/600 DEFLECTION.
ALL STEEL STUDS SHALL BE G60 GALVANIZED COATING PER ASTM C955.
DRY WALL SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR ALL METAL STUDS FRAMED BY AND APPROVED BY THE ARCHITECT. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL CIVIL ENGINEER LICENSED IN THE STATE OF LOUISIANA.

ALL INTERIOR SUSPENDED GYPSUM BOARD CEILINGS SHALL BE DESIGNED FOR DEFLECTION OF L/360 OF DISTANCE BETWEEN SUPPORTS.
ALL METAL STUD FRAMING AND ACCESSORIES SHALL BE EQUAL TO PRODUCTS MANUFACTURED BY CLARK DIETRICH OR APPROVED EQUAL.
INTERIOR METAL STUD PARTITIONS WITH DOUBEL GYPSUM BOARD SHALL BE DESIGNED FOR L/360 DEFLECTION.

- STRUCTURAL STEEL**
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOURTEENTH EDITION OF THE MANUAL OF STEEL CONSTRUCTION BY THE AISC.
 - UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECS:

ITEM	ASTM SPECIFICATION	FOR TUBES OR PIPE
STRUCTURAL STEEL	A572 GRADE 50	50 KSI (YIELD)
PIPE	A53 GRADE B	50 KSI (YIELD)
ROLLED PLATES AND SHAPES	A992 GRADE 50	50 KSI (YIELD)
CONNECTION BOLTS	A325	100 KSI (TENSILE)
ANCHOR BOLTS (GALVANIZED)	A307A	60 KSI (TENSILE)
THREADS	ASME	60 KSI (TENSILE)
WELDING	E70XX	70,000 EPOXY GRADE
COMPRESSION STEEL	A500 GRADE B	50 KSI (YIELD)
TENSILE STEEL	A500 GRADE B	50 KSI (YIELD)
MODULUS OF ELASTICITY		29,000,000 PSI
 - ALL WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1 BOWE EXCE ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS FILLET WELDS 1/8" LESS THAN THE THINNEST PART BEING CONNECTED AND PER AISI REQUIREMENTS. ALL FILLER METALS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
 - WHERE CONTINUOUS MEMBERS ARE REQUIRED, THE STEEL FABRICATOR SHALL SUBMIT WELDED CONNECTION DETAILS FOR SPICES FOR APPROVAL.
 - HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURRING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
 - THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY BRACING AND BRACING.
 - COATING AND/OR PAINT, BASE PAINTS, ETC. HAVE BEEN REVIEWED FOR THE FINAL QUALIFIED CONTRACTOR AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LEAKAGES ENCOUNTERED DURING STEEL ERECTION AND ANY INVESTIGATION OF THE COLLAPSE AND/OR BRIDGING SHALL BE REQUIRED TO RESULT IN ONE BETWEEN DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - STEEL FABRICATOR SHALL BE AN AISC CERTIFIED SHOP FOR STEEL STRUCTURES AND MAINTAIN DETAILED QUALITY CONTROL PROCEDURES AS REQUIRED TO VERIFY THE SPECIAL WORKMAN REQUIREMENTS OF AISI. ALTERNATIVELY, NON-CERTIFIED FABRICATORS MUST SUBMIT PROOF OF AT LEAST 5 YEARS EXPERIENCE IN FABRICATION OF THIS TYPE OF STRUCTURE. PROOF MUST INCLUDE VERIFIABLE REFERENCES FROM PAST CLIENTS.
 - PROTECTIVE COATINGS SHALL BE APPLIED TO ALL STRUCTURAL STEEL (ALL STEEL AND RELATED COMPONENTS) AFTER FABRICATION AND PRIOR TO APPLICATION OF COATINGS. ALL STEEL SHALL BE BLASTED IN ACCORDANCE WITH SSPC-SP10 (COMMERCIAL BLAST CLEANING).
 - FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS), APPLY TWO COATS OF UNIVERSAL AZEOLIC PRIMER. FINAL COATING SHALL BE BY AN EXPERIENCED SPECIALTY PAINT CONTRACTOR (PROOF OF PROOF OF PERFORMANCE MUST BE PROVIDED). COATING TOLERANCES SHALL BE OBSERVED TO RESULT IN ONE BETWEEN COMPONENTS OF NO MORE THAN 1/4". ALL WELDS SHALL BE CONTINUED AND CONTINUOUS AND BLENDED TO PROVIDE A UNIFORM FINISH APPEARANCE.
 - FOR GALVANIZED STEEL, HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM (C-90 CONTROL). ALL STEEL AND RELATED COMPONENTS EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED.
 - FOR NON-LESS AND NON-GALVANIZED STEEL, SHOP PRIME WITH TWO COATS OF RED OXIDE PRIMER. REMOVE ALL DIRT AND WELDING SLAG (TEMPORARY PRIMER) PRIOR TO APPLYING COATINGS.
 - PROTECTIVE COATINGS DAMAGED DURING THE TRANSFERRING, ERECTION AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.
 - FOR FIELD WELDS, PRIOR TO WELDING, REMOVE COATING AT WELD LOCATION. SURFACE SHALL BE RE-COATED AFTER COMPLETION OF FIELD WELDING.
 - THE OWNER WILL USE AN INDEPENDENT TESTING AGENCY TO PROVIDE SPECIAL INSPECTIONS OF BOLLING, WELDING AND OTHER ITEMS IN ACCORDANCE WITH AISI.
 - FOR PIPE COLUMN DESIGNATIONS, SN = STANDARD WEIGHT; XS = EXTRA STRENGTH.
 - STRUCTURAL STEEL FABRICATOR TO PROVIDE DESIGN FOR ALL CONNECTIONS NOT DETAILED ON THESE PLANS. CONNECTIONS NOT DETAILED SHALL BE DESIGNED TO BE WORKING CONNECTIONS.
 - AT ALL TIMES, THE ERECTOR SHALL PROVIDE AN AVAILABLE MAN-LIFT TO ALLOW ENGINEER AND INSPECTORS ACCESS TO ALL ELEVATED FRAMING FOR OBSERVATIONS.
 - STEEL SUPPLIER SHALL ALSO PROVIDE AND DELIVER ALL STEEL REQUIRED FOR WORK, NOT SPECIFICALLY SHOWN IN STRUCTURAL DRAWINGS BUT SHOWN OR IMPLIED IN OTHER PROJECT DRAWINGS (ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, ETC) FOR INSTALLATION BY STEEL ERECTOR OR OTHER TRADES (MASONRY, COLD FORMED METAL, HVAC, ELECTRICAL, ARCHITECTURAL, ETC).

REVISIONS	BY



TYPICAL DETAILS

JOSEPH F. SCHNEIDER JR., AIA
ARCHITECT
105 EVANGELINE DRIVE, SUITE 111, LOUISIANA 70460
(985) 847-0714 jfs@architect.com

DRAWN <i>J. Schneider</i>
CHECKED <i>J. Schneider</i>
DATE 01-05-2019
SCALE
JOB NO.
SHEET CRS-2
OF SHEETS

HOOD INFORMATION - Job#3951768

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	APPLIANCE DUTY	DESIGN CFM/ft	TOTAL EXH. CFM	EXHAUST PLENUM						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.		
								RISER(S)								END TO END	ROW	
								WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.				
1		5424 ND-2-PSP-F	13' 0"	600 Deg.	Heavy	275	3575			4'	14'	1787	1672	-0.842'	2860	430 SS Where Exposed	ALONE	ALONE

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			ELECTRICAL	SWITCHES	
												TYPE	SIZE	MODEL #	QUANTITY		
1		Captrate Solo Filter	9	20"	16"	85% See Filter Spec.	4	L55 Series E26	NO	Right	12"x54"x24"	Ansul R102	3.0/3.0	SC-321110FP	1 Light 1 Fan	YES	869 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		FIELD WRAPPER 6.00' High Front, Left, Right BACKSPLASH 80.00' High X 169.00' Long 430 SS Vertical LEFT END STANDOFF (FINISHED) 1' Wide 54' Long Insulated

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	169'	18"	6'	MUA	12"	28"		715	0.193'
						MUA	12"	28"		715	0.193'
						MUA	12"	28"		715	0.193'
						MUA	12"	28"		715	0.193'

SPECIFICATION: CAPTRATE™ GREASE-STOP™ SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

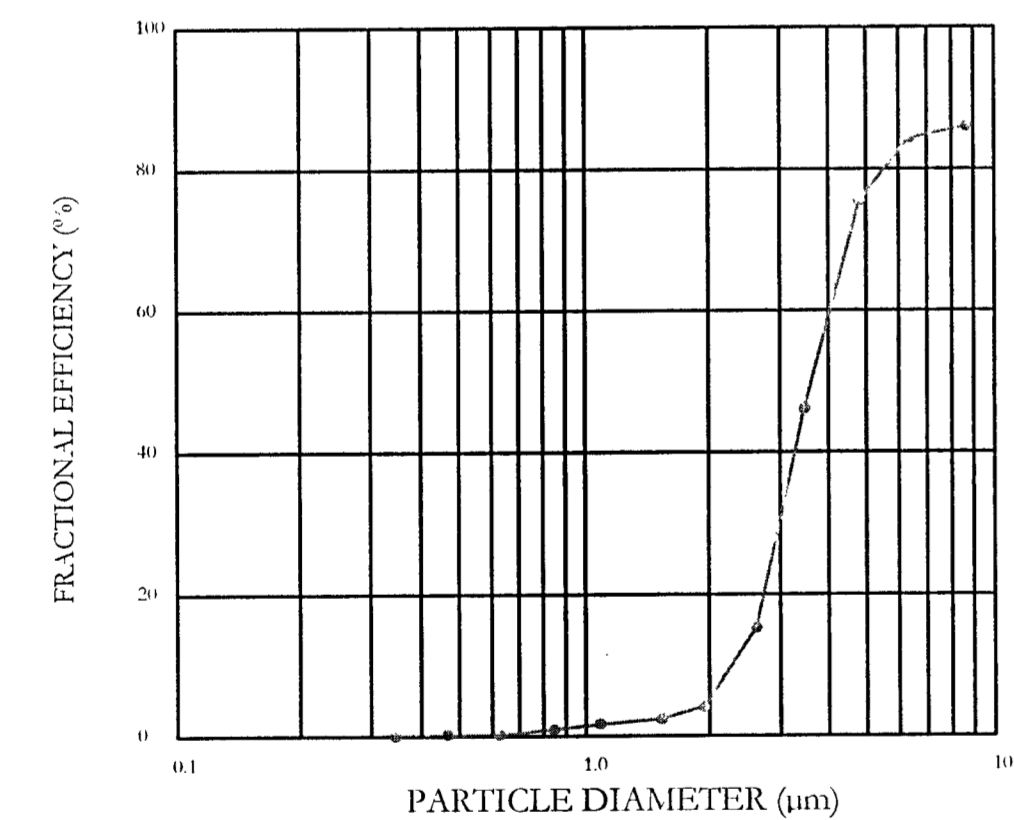
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

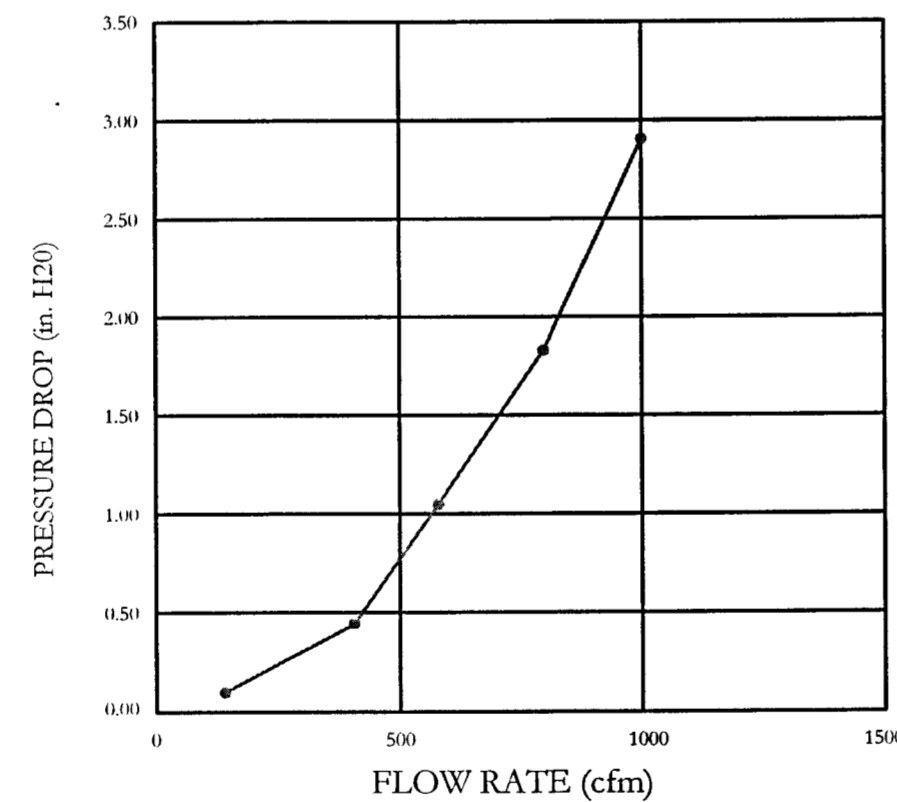
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 NSF STANDARD #2
 UL STANDARD #1046
 INT. MECH. CODE (IMC)
 ULC-S649



	CAPTIVE AIR		JOB Habenerro's	
			LOCATION , 0	
			DATE 8/21/2019	JOB # 3951768
			DWG # 1	DRAWN BY
		REV.	SCALE 3/8" = 1'-0"	

**GREASE DUCT & CHIMNEY SPECIFICATIONS:**

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

PATENT NUMBERS

AC-PSP (United States) - US Patent 7963830 B2
 AC-PSP Wall (Canada) - CA Patent 2820509
 AC-PSP Island (Canada) - CA Patent 2520330

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT

___' - ___"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

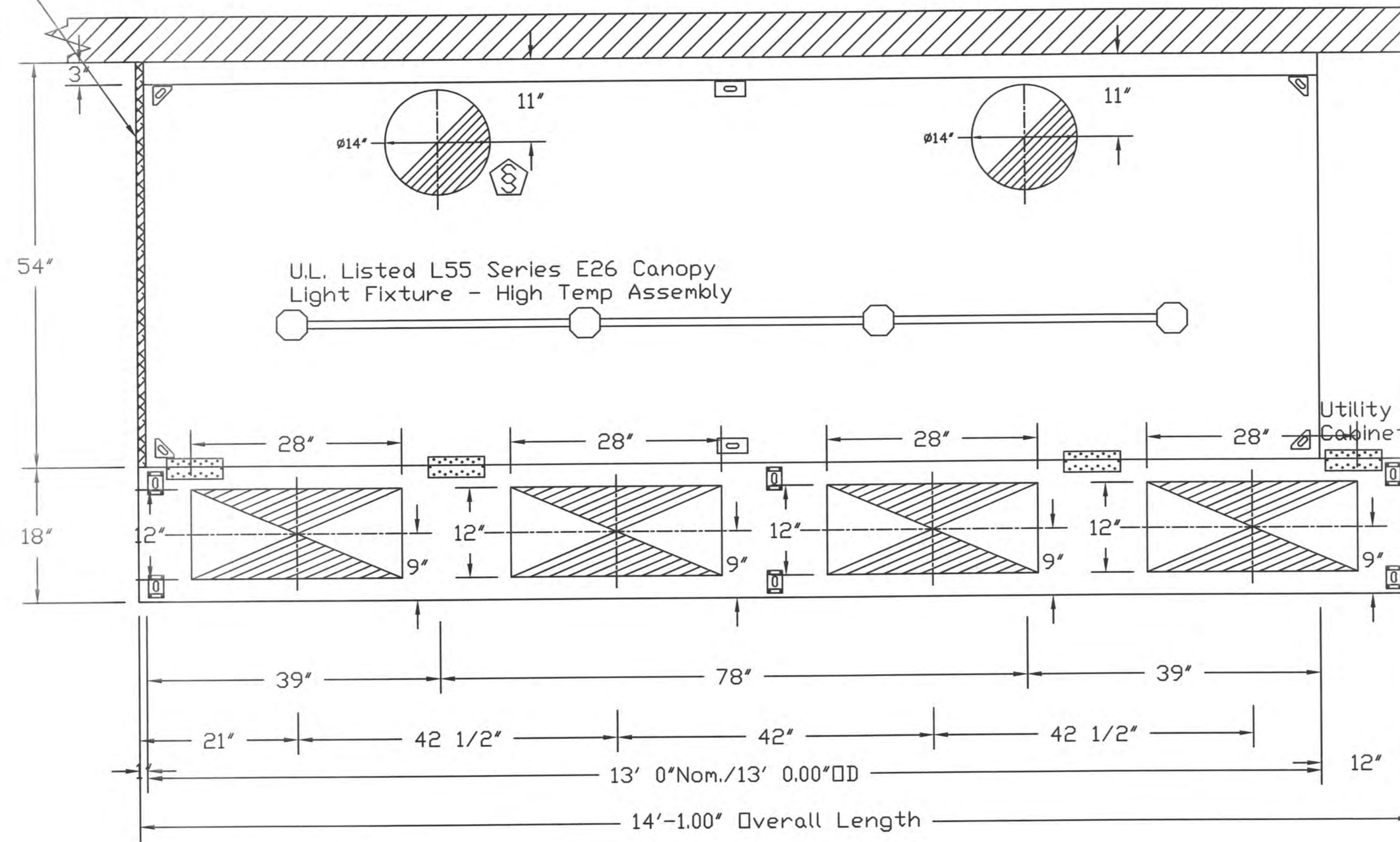
CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted
 Approved with NO Exception Taken
 Revise and Resubmit
 SIGNATURE _____
 Your Title _____ Date _____

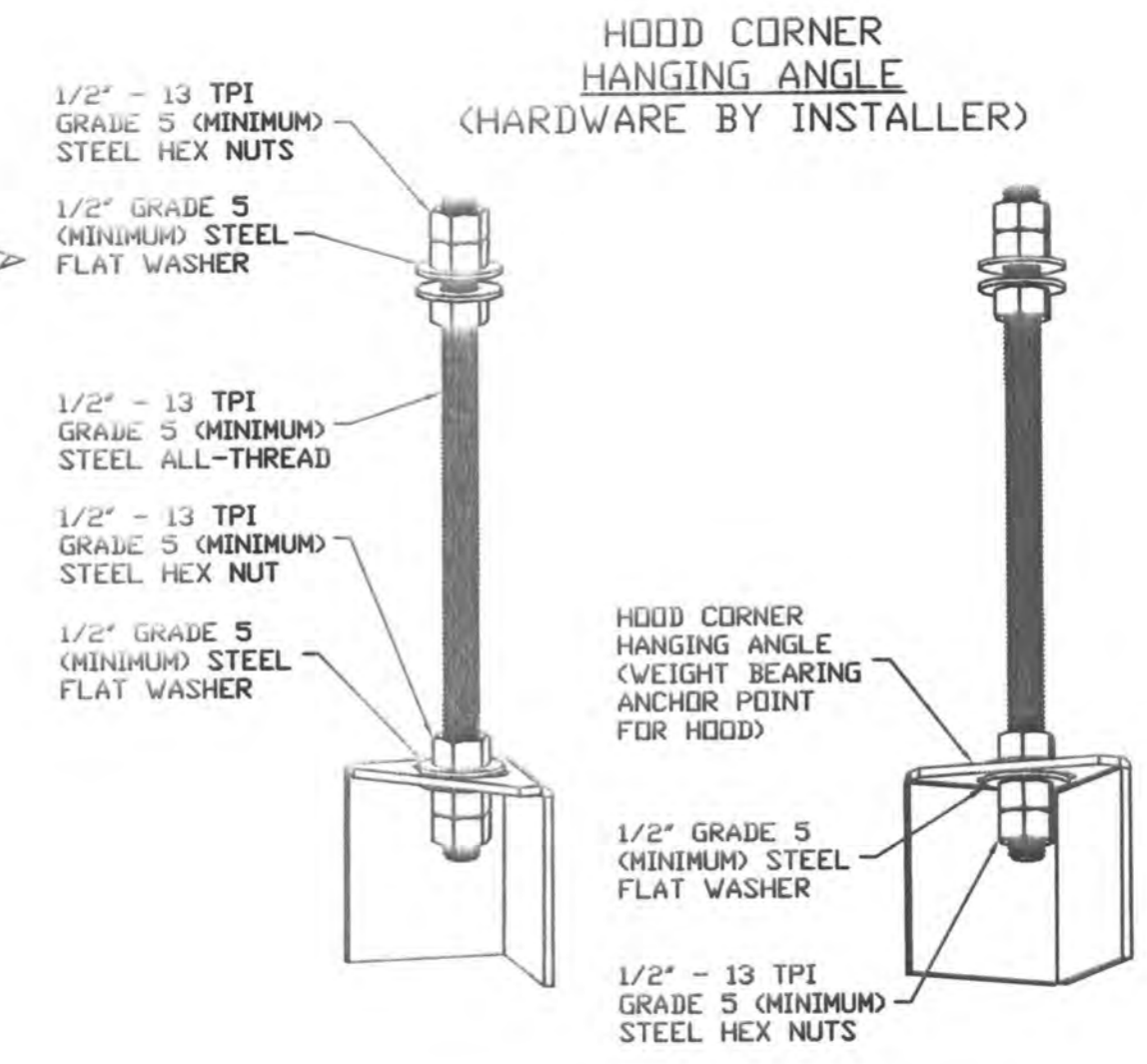


JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 2	DRAWN BY
REV.	SCALE 3/8" = 1'-0"

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

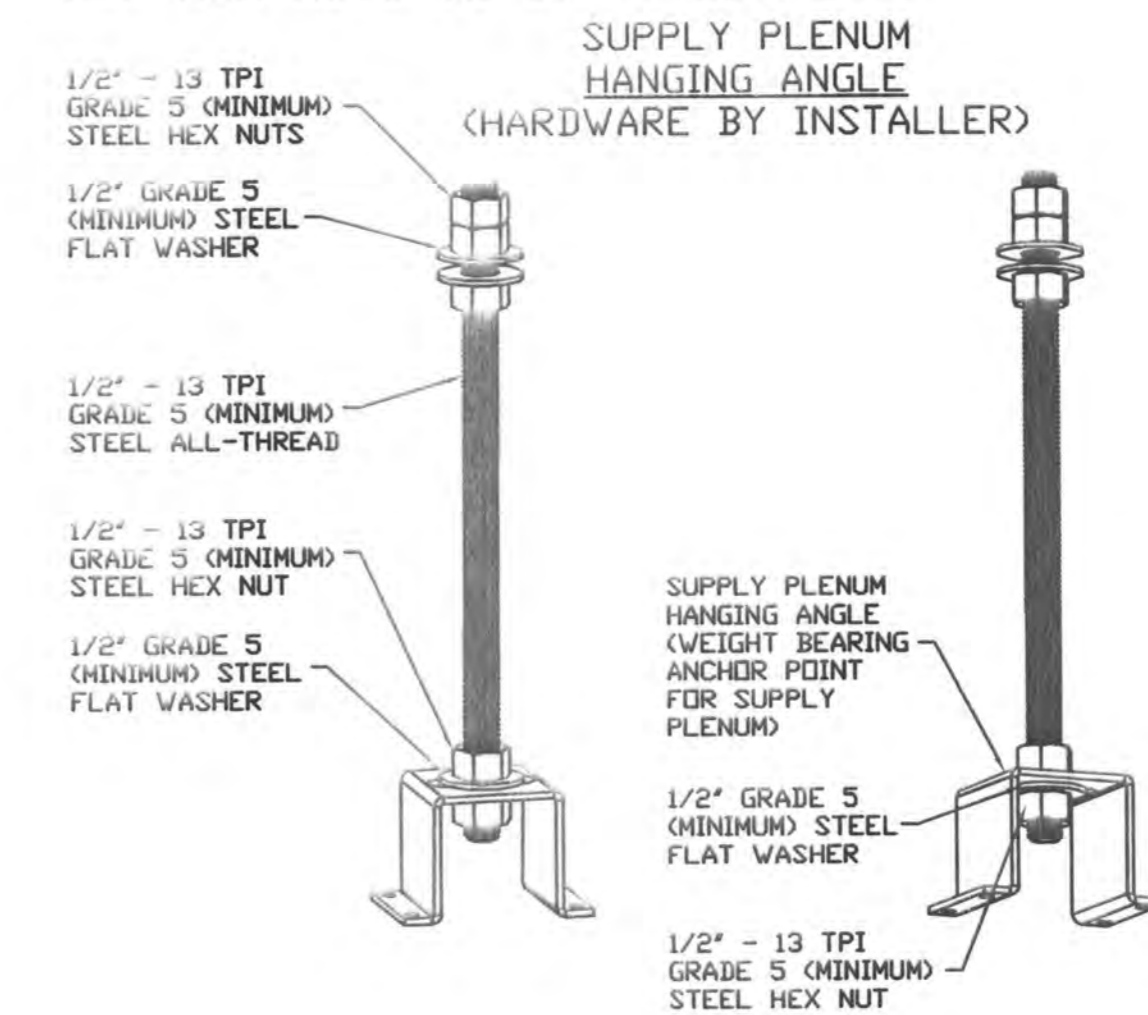


PLAN VIEW - Hood #1
13' 0.00" LONG 5424ND-2-PSP-F
NOTE: Additional hanging angles provided for hoods 12' and longer.



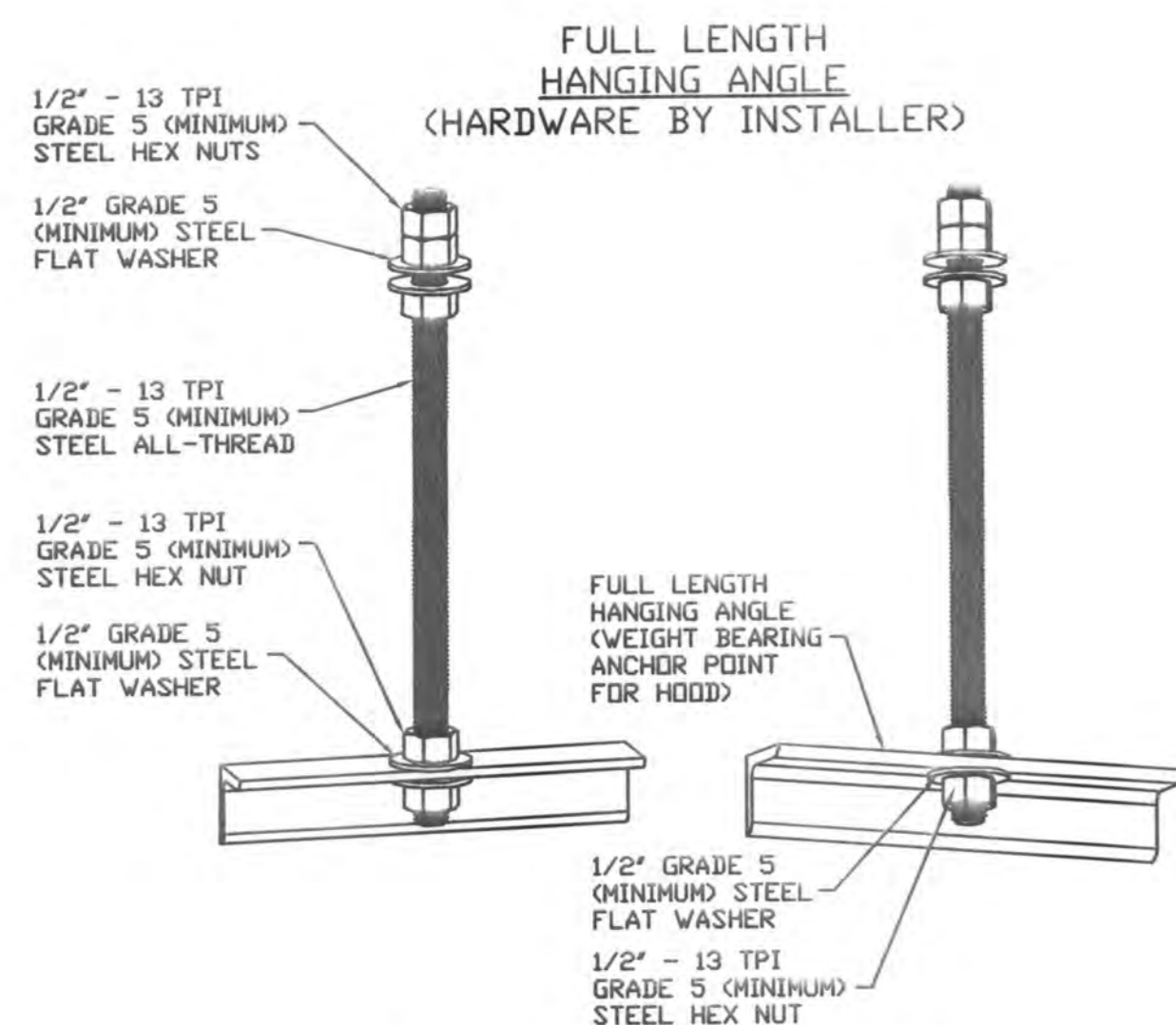
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



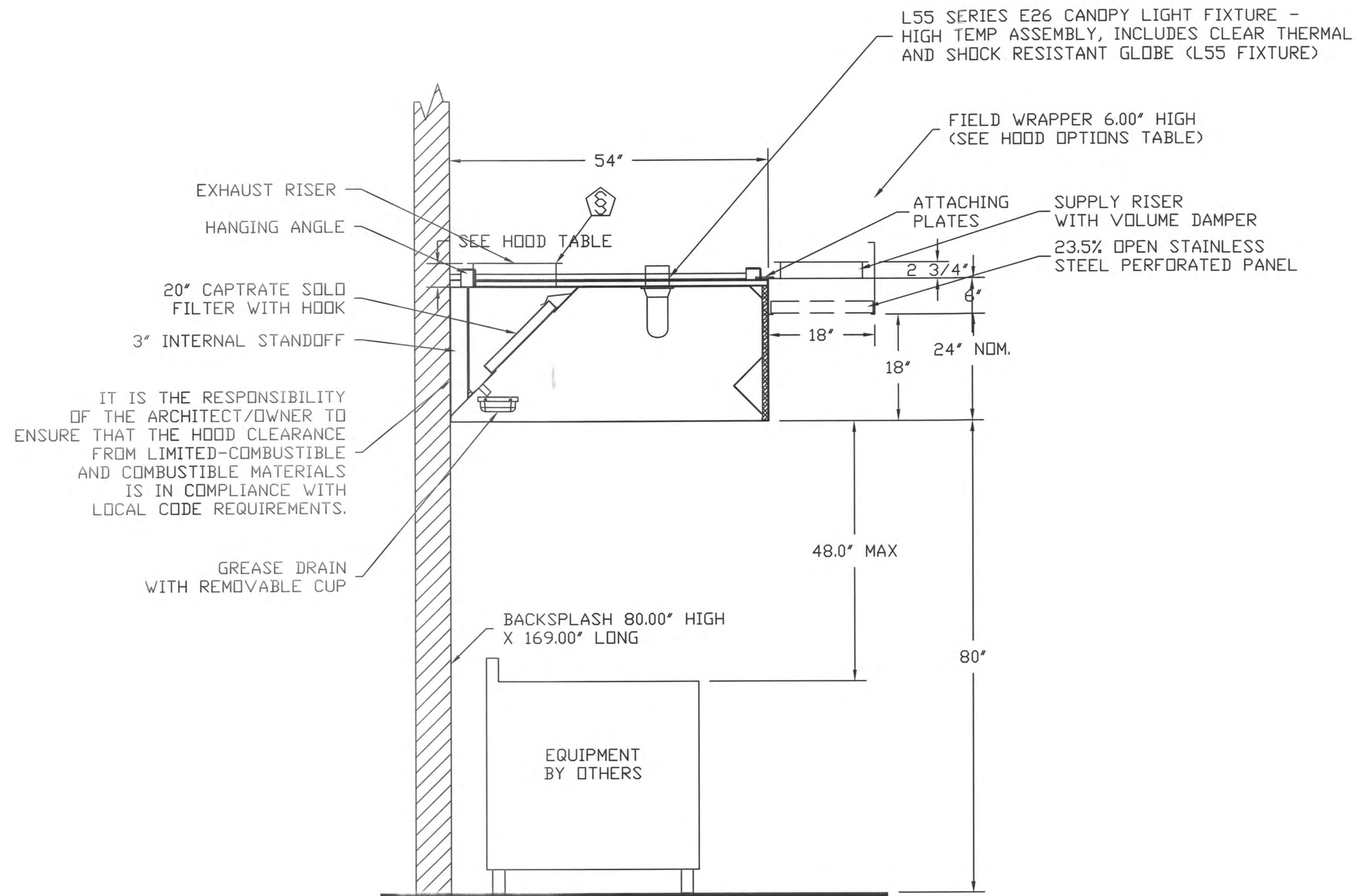
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



CAPTIVEAIR

JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWC # 3	DRAWN BY
REV.	SCALE 3/8" = 1'-0"



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #1



CAPTIVEAIR

JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 4	DRAWN BY
REV.	SCALE 3/8" = 1'-0"

Fire System Information - Job#3951768

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0	4	Fire Cabinet Right	Right

GAS VALVE(S)

FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1		Mechanical	2.000	Distributor

Fire System Parts List Key

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1		0 - 0 - 43-15733 AIR CYLINDER ASSEMBLY - Air Cylinder and Tubing for Mechanical Gas Valves (Ansul Part #15733)	0	1
		0 - 0 - Tank Strap Tank Strap - used for ANSUL Tanks	2	0
		0 - 0 - UCTANKBRACKET Tank Bracket for fire system tank installation in utility cabinets	2	0
		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC)) Macola # 01-429862	2	0
		3 - 3 - ANS-DEM REGULATED RELEASE - Ansul Regulated Mechanical Release/Bracket Assembly, DEM, R-102, Cartridge Detection Included, Ansul Part # 79493	1	0
		5 - 5 - LIQ-3.0 AGENT - Ansulox Low PH Wet Chemical Agent, 3 Gallon (UL) 79372	0	2
		9 - 9 - 101-30 CARTRIDGE - Carbon Dioxide, 101-30, Cartridge (R-102) 19-15851	0	1
		10 - 10 - TLINK LINK - Test Link (1 test link) Ansul Part # 24916, Macola # 20-24916	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT- Includes 2 switches and Mounting Hardware, Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch Ansul Part # 437155, Macola # 08-437155	1	0
		12 - 12 - HOSE HOSE - Rubber Hose	1	0
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL) Ansul Part # 423253, Macola # 32-79768	1	0
		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618 (Old Macola #06-4835)	1	0
		35 - 35 - PE-LT PULLEY ELBOW - Low Temp. Pulley Elbow, Set Screw Type Ansul Part # 415670, Macola # 11-415671	2	0
	36 - 36 - PE-HT PULLEY ELBOW - High Temp Pulley Elbow, Compression Type, Ansul Part # 423251, Macola # 10-45771	1	0	
	ADDITIONAL PARTS TO BE DETERMINED...			

  			JOB Habenerro's	
			LOCATION , 0	
			DATE 8/21/2019	JOB # 3951768
			DWG # 5	DRAWN BY
			REV.	SCALE 3/8" = 1'-0"

EXHAUST FAN INFORMATION - Job#3951768

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1	EF-1	DU180HFA	1787	2.000	1294	1.500	0.9900	3	208	6.6	413 FPM	174	17
2	EF-2	DU180HFA	1787	2.000	1294	1.500	0.9900	3	208	6.6	413 FPM	174	17

MUA FAN INFORMATION - Job#3951768

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
3	SF-1	A2-20D	20MF-2-MDD	A2	-	2860	0.500	1066	1.000	0.7160	3	208	3.8	431	11.2

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	EF-1	1 - Grease Box
		1 - Through Wall Curb Mount Installation. Curb height must be minimum 9' taller than wall thickness for use with a hinge kit.
		1 - Ship Loose Disconnect For Remote Mount.
		1 - Wall Mount Construction 18/20 (D60 Isolators), 3HP Max for wall mounting.
2	EF-2	1 - Grease Box
		1 - Through Wall Curb Mount Installation. Curb height must be minimum 9' taller than wall thickness for use with a hinge kit.
		1 - Ship Loose Disconnect For Remote Mount.
		1 - Wall Mount Construction 18/20 (D60 Isolators), 3HP Max for wall mounting.
3	SF-1	1 - Wall Mount Option for Size 2 Untempered Fan

FAN ACCESSORIES

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

CURB ASSEMBLIES

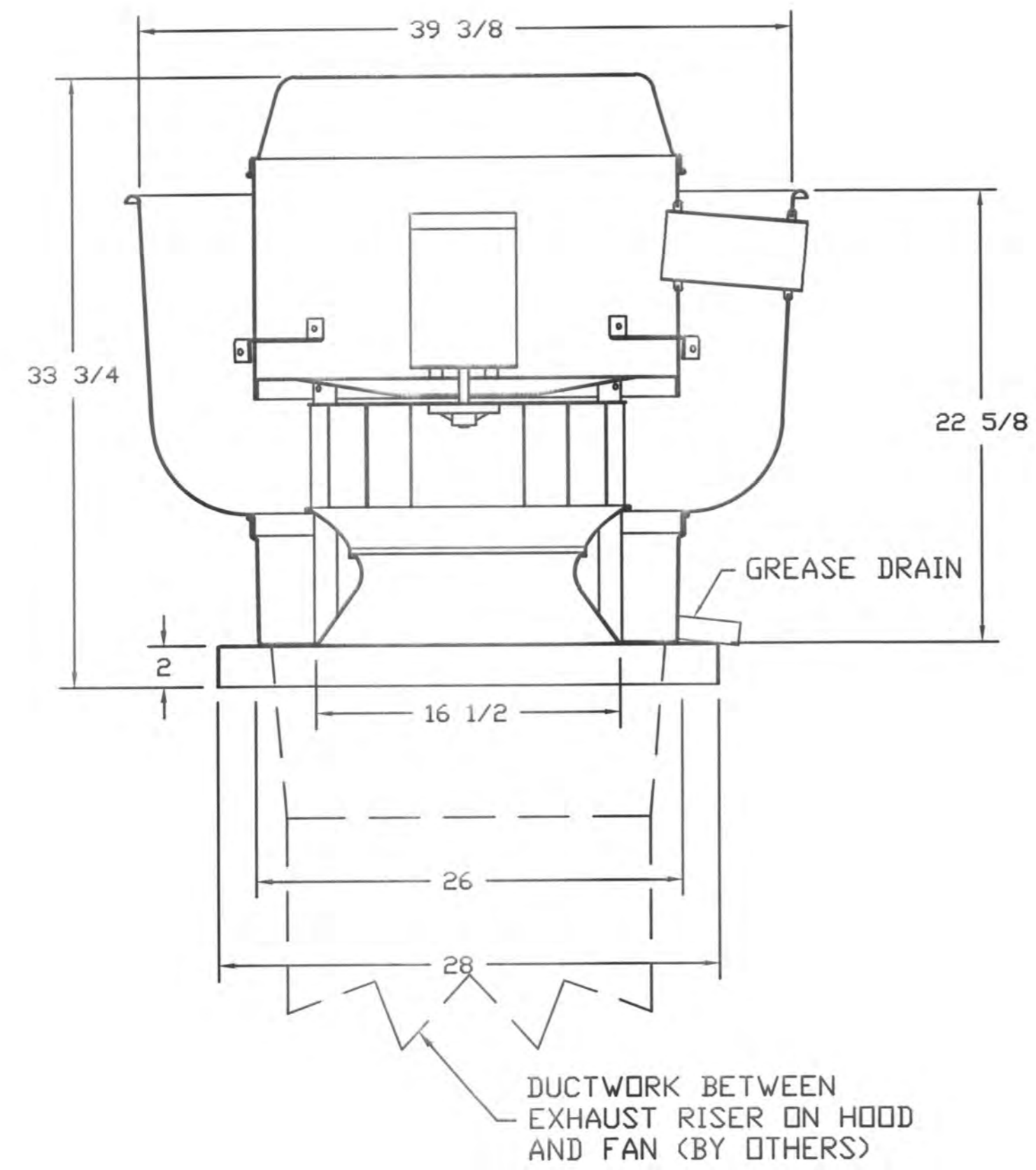
NO.	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	EF-1	29 LBS	Curb	26.500"W x 26.500"L x 12.000"H Hinged
2	# 2	EF-2	29 LBS	Curb	26.500"W x 26.500"L x 12.000"H Hinged



CAPTIVEAIR

JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 6	DRAWN BY
REV.	SCALE 3/8" = 1'-0"

FANS #1 (EF-1), #2 (EF-2) - DU180HFA EXHAUST FAN



FEATURES:

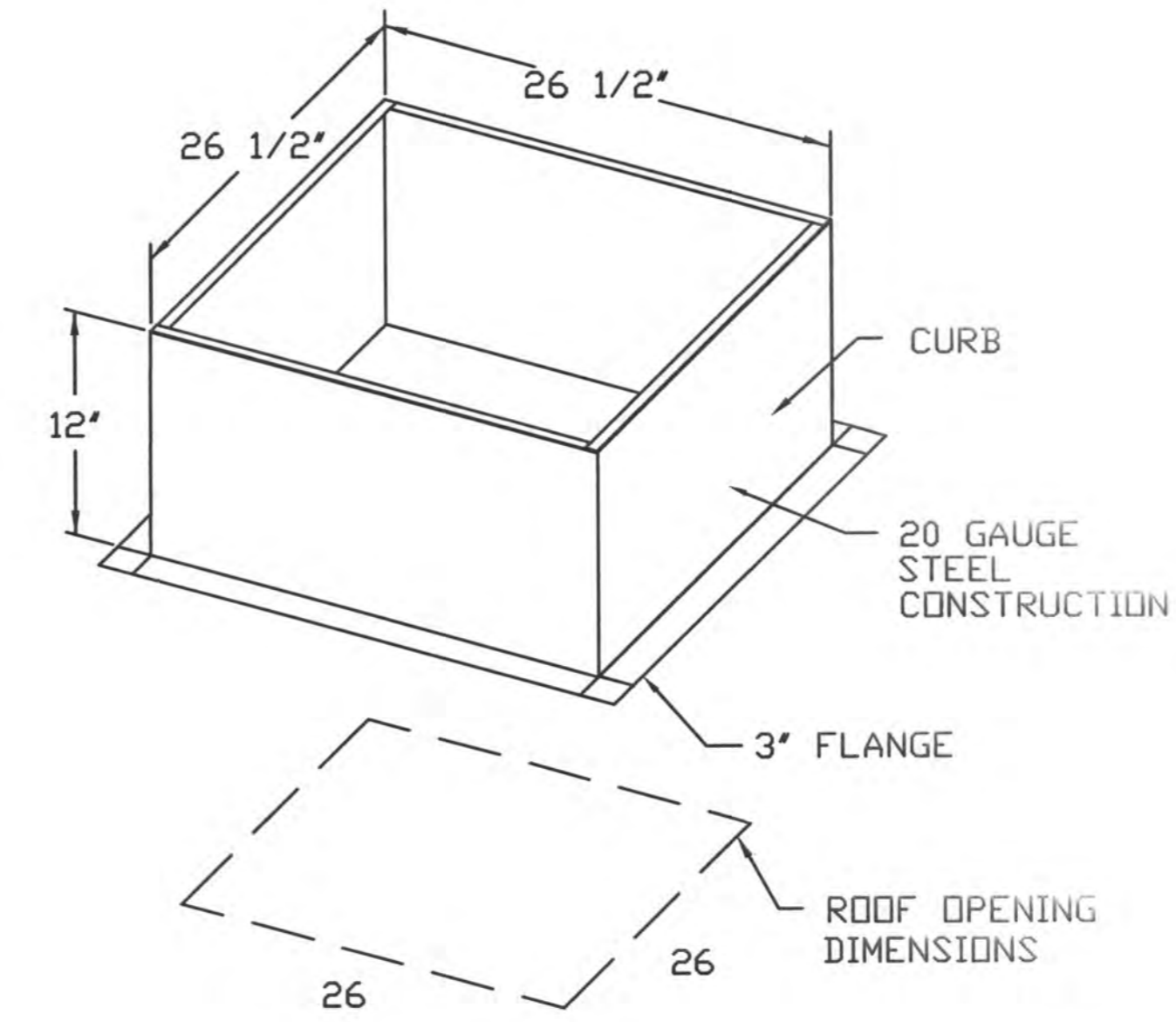
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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.

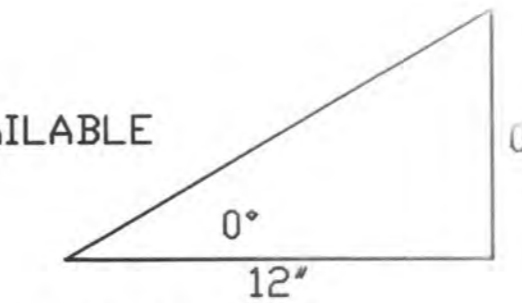
ABNORMAL FLARE-UP TEST
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
 THROUGH WALL CURB MOUNT INSTALLATION. CURB HEIGHT MUST BE MINIMUM 9" TALLER THAN WALL THICKNESS FOR USE WITH A HINGE KIT.
 SHIP LOOSE DISCONNECT FOR REMOTE MOUNT.
 WALL MOUNT CONSTRUCTION 18/20 (D60 ISOLATORS), 3HP MAX FOR WALL MOUNTING.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



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

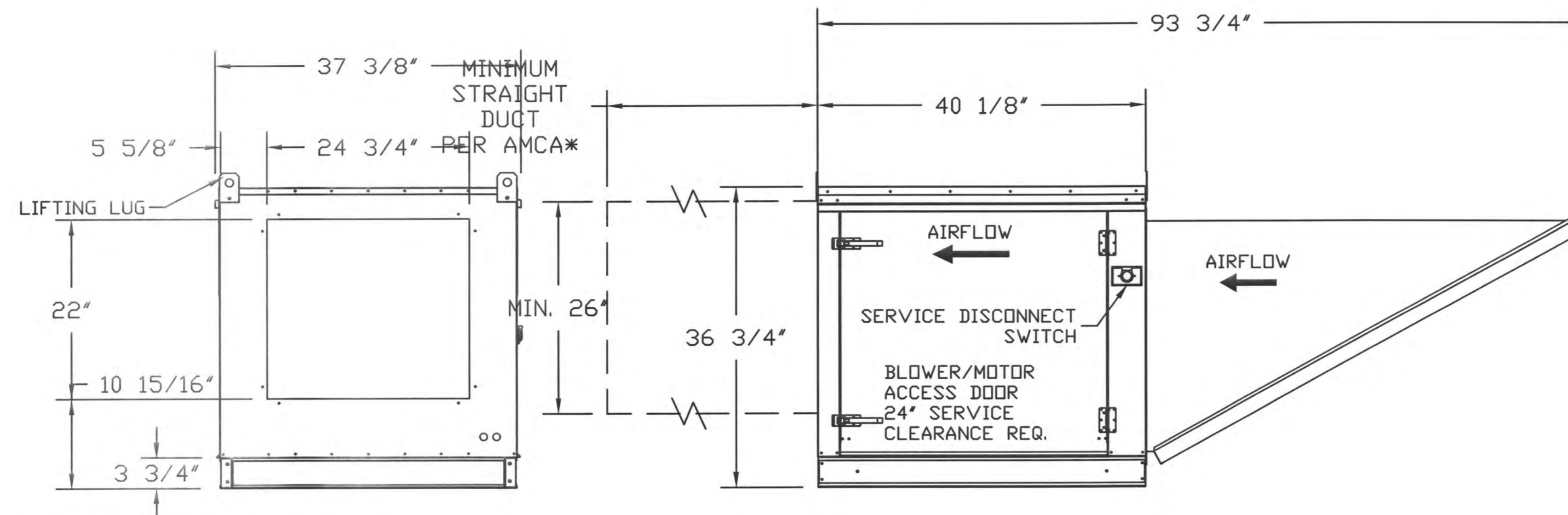
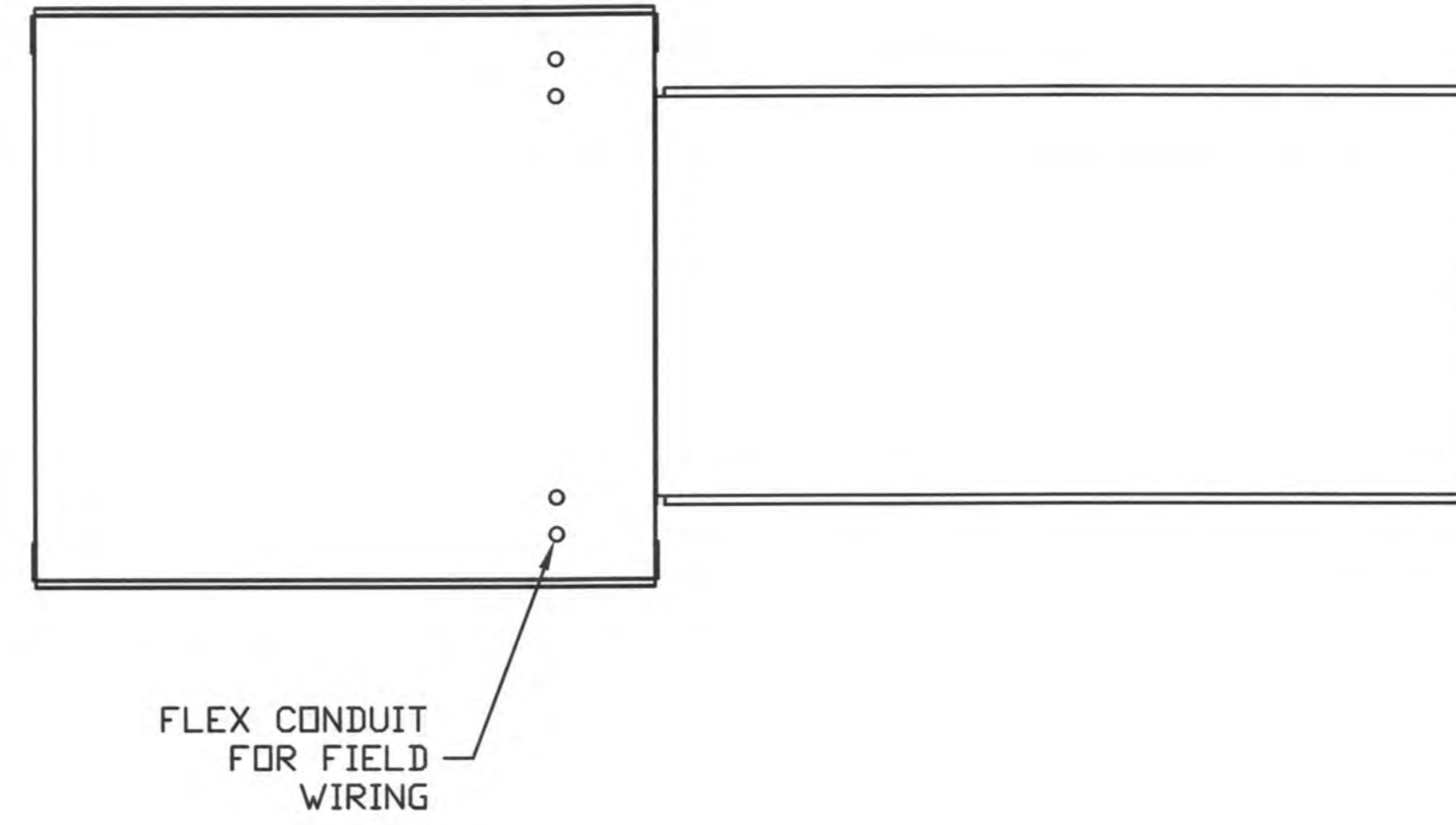


CAPTIVEAIR

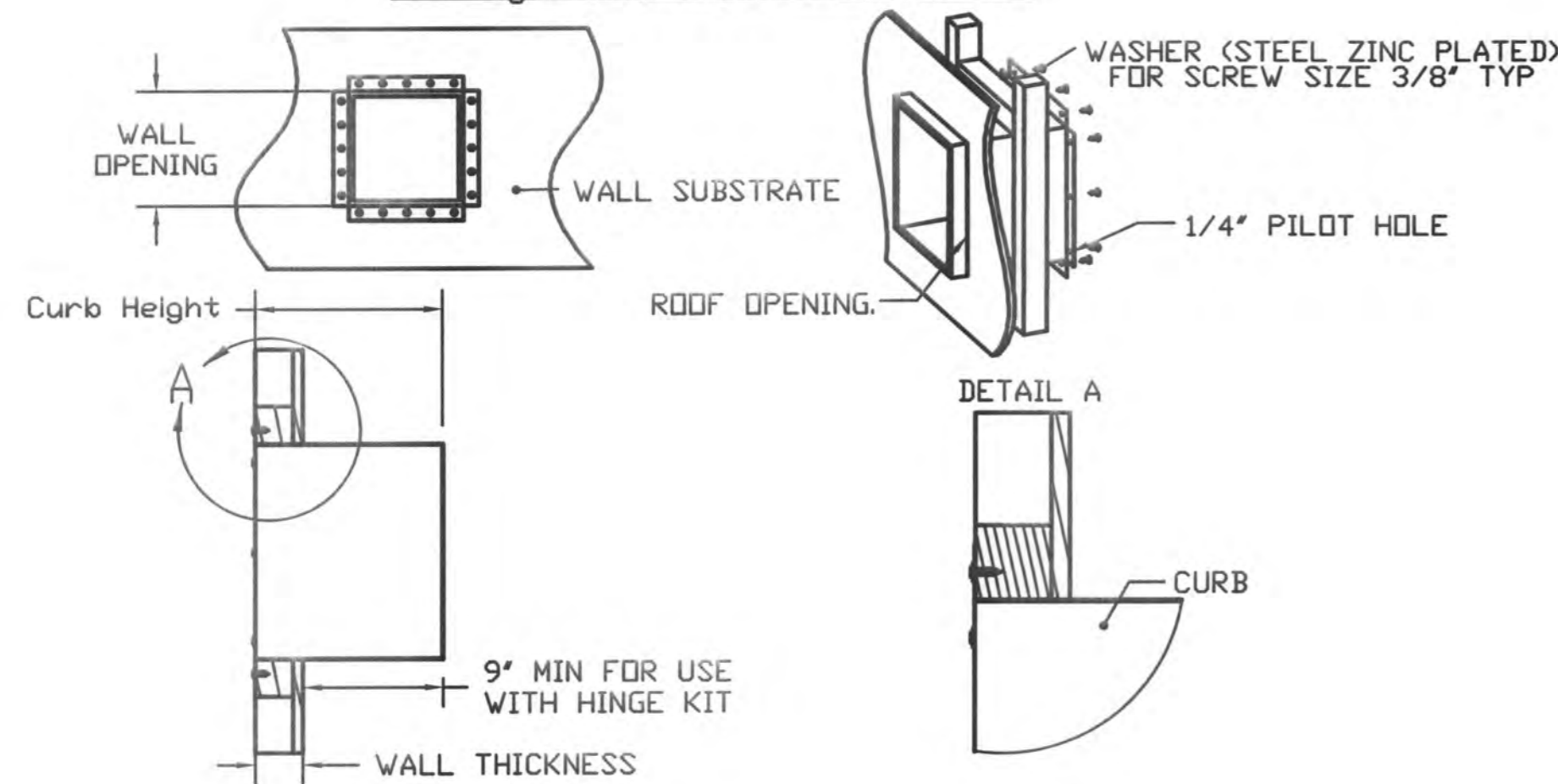
JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 7	DRAWN BY
REV.	SCALE 3/8" = 1'-0"

- FAN #3 A2-20D - SUPPLY FAN (SF-1)
1. UNTEMPERED SUPPLY UNIT WITH 20" DIRECT DRIVE FAN IN SIZE #2 HOUSING
 2. INTAKE HOOD WITH EZ FILTERS
 3. SIDE DISCHARGE - AIR FLOW RIGHT -> LEFT
 4. WALL MOUNT OPTION FOR SIZE 2 UN-TEMPERED MAKE-UP AIR FAN. 40" LONG ANGLE IRON FRAME.

*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 26" x 26"



Through Wall Curb Installation



CAPTIVEAIR

JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 8	DRAWN BY
REV.	SCALE 3/8" = 1'-0"



GREASE DUCT & CHIMNEY SPECIFICATIONS:

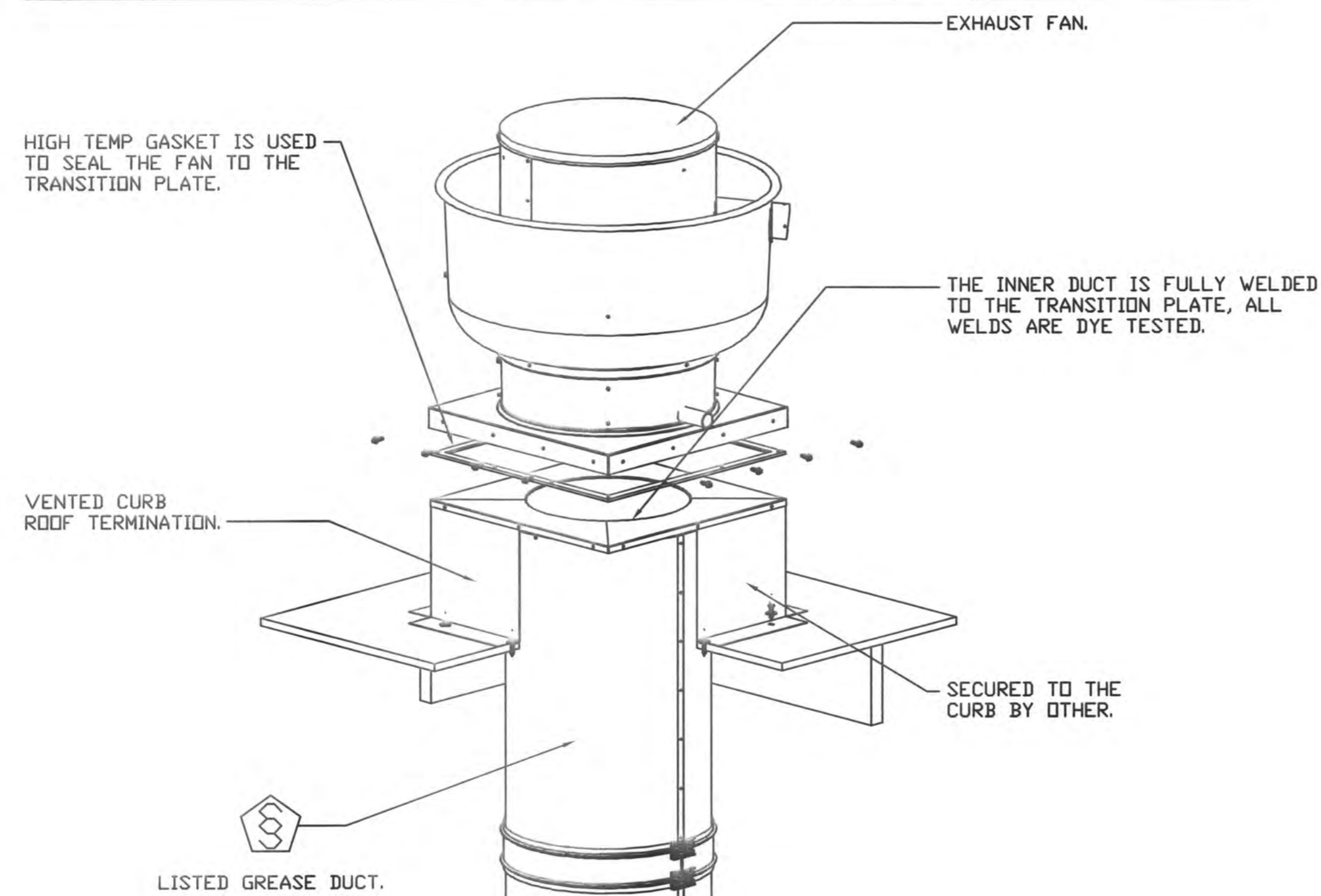
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted	<input type="checkbox"/>
Approved with NO Exception Taken	<input type="checkbox"/>
Revise and Resubmit	<input type="checkbox"/>
SIGNATURE _____	
Your Title _____	Date _____



CAPTIVEAIRE

JOB Habenerro's	
LOCATION , 0	
DATE 8/21/2019	JOB # 3951768
DWG # 9	DRAWN BY
REV.	SCALE 3/8" = 1'-0"

Exhaust Fan Wiring

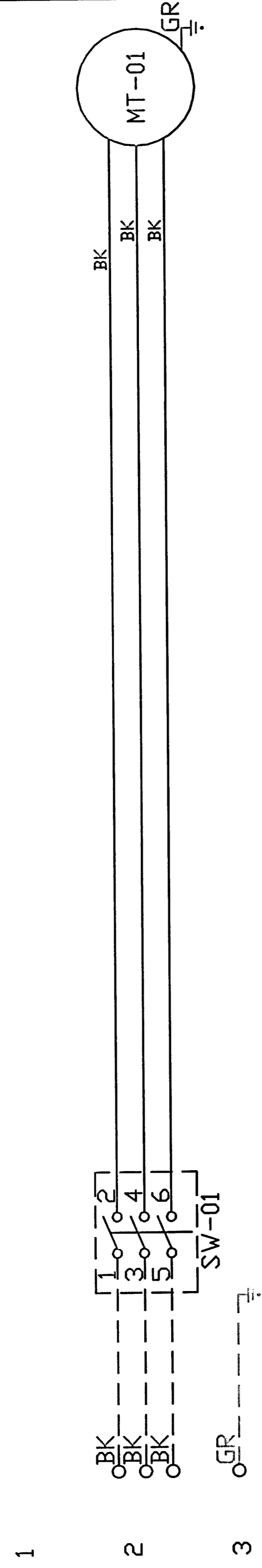
JOB 3951768 - Habenerro's

DRAWING NUMBER EXH3951768-1

SHIP DATE 8/21/2019

MODEL DU180HFA

Installed Options



Component Identification
Label Description Location

MT-01 Fan Motor [2]
MT-02 Damper Motor [2]
SW-01 Main disconnect switch [2]

MOTOR_INFO
EXHAUST 1.5HP-208V-3P-6.6FLA

ELECTRICAL INFORMATION
MOTOR/CTRL MCA: 8.3A
MOTOR/CTRL MOP: 15A

NOTES
- - - - - DENOTES FIELD WIRING
_____ DENOTES INTERNAL WIRING

WIRE COLOR
BK - BLACK YW - YELLOW
BL - BLUE GR - GREEN
BR - BROWN GY - GRAY
RD - RED PR - PURPLE
WH - WHITE

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Exhaust Fan Wiring

JOB 3951768 - Habenerro's

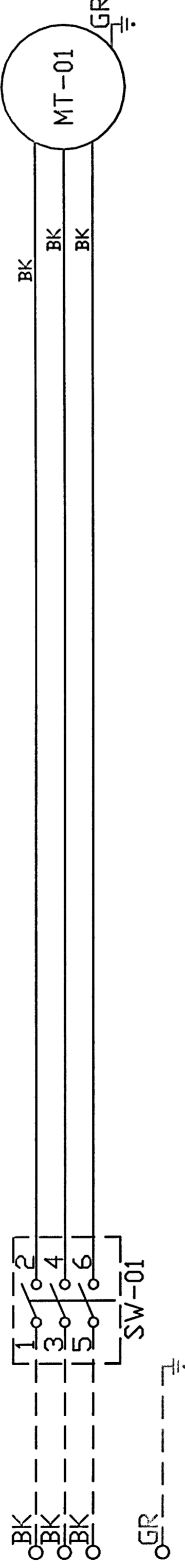
DRAWING NUMBER EXH3951768-2

SHIP DATE 8/21/2019

MODEL DU180HFA

Installed Options

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Label	Component Description	Location
MT-01	Fan Motor	[2]
MT-02	Damper Motor	[2]
SW-01	Main disconnect switch	[2]

EXHAUST MOTOR INFO
1.5HP-208V-3P-6.6FLA

ELECTRICAL INFORMATION
MOTOR/CTRL MCA: 8.3A
MOTOR/CTRL MOP: 15A

NOTES
--- DENOTES FIELD WIRING
--- DENOTES INTERNAL WIRING

WIRE COLOR
BK - BLACK YW - YELLOW
BL - BLUE GR - GREEN
BR - BROWN GY - GRAY
RD - RED PR - PURPLE
WH - WHITE

AirHandler Wiring

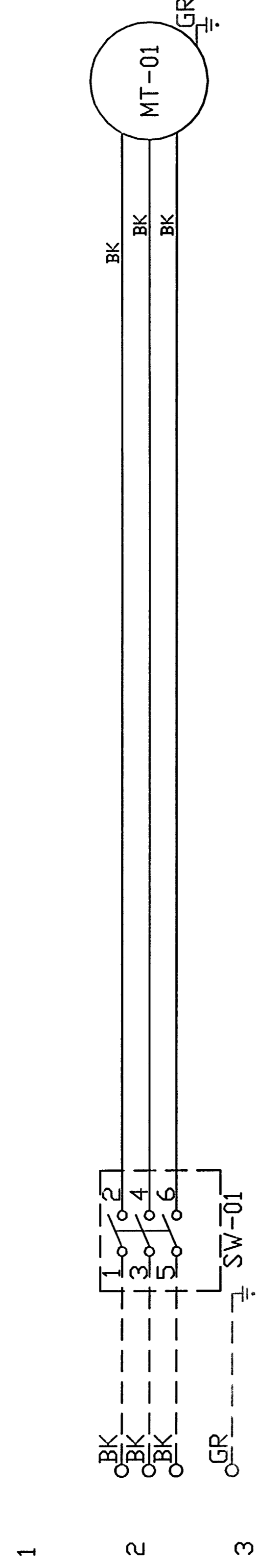
JOB 3951768 - Habenerro's

DRAWING NUMBER A3951768-3

SHIP DATE 8/21/2019

MODEL A2-20D

ATTENTION ELECTRICIAN!
 DROP FOR DISCONNECT CONNECTION
 IS FACTORY SUPPLIED
 CONNECT POWER TO THE DROP



Installed Options

Label Description Location

MT-01 Supply motor [2]

SW-01 Main disconnect switch [2]

SUPPLY MOTOR_INFO
 1HP-208V-3P-3.8FLA

ELECTRICAL INFORMATION
 MOTOR/CTRL CIRCUIT MCA: 4.8A
 MOTOR/CTRL CIRCUIT MDP: 15A

NOTES
 --- DENOTES FIELD WIRING
 - - - DENOTES INTERNAL WIRING

WIRE COLOR
 BK - BLACK YW - YELLOW
 BL - BLUE GR - GREEN
 BR - BROWN GY - GRAY
 RD - RED PR - PURPLE
 WH - WHITE

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ELECTRICAL PACKAGE - Job#3951768

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	H.P.	VOLT	FLA
1		SC-321110FP	Utility Cabinet Right	04 - Utility Cabinet Right	1 Light	Smart Controls Thermostatic Control	EF-1	Exhaust	3	1.500	208	6.6
				Hood # 1	1 Fan		EF-2	Exhaust	3	1.500	208	6.6
							SF-1	Supply	3	1.000	208	3.8

  		<i>JOB Habenerro's</i>	
		<i>LOCATION , 0</i>	
		<i>DATE 8/21/2019</i>	<i>JOB # 3951768</i>
		<i>DWG # 13</i>	<i>DRAWN BY</i>
		<i>REV.</i>	<i>SCALE 3/8" = 1'-0"</i>

JOB NO
3951768

MODEL NUMBER
SC-321110FP

JOB NAME
Habenerro's

DRAWN BY
DATE
8/21/2019

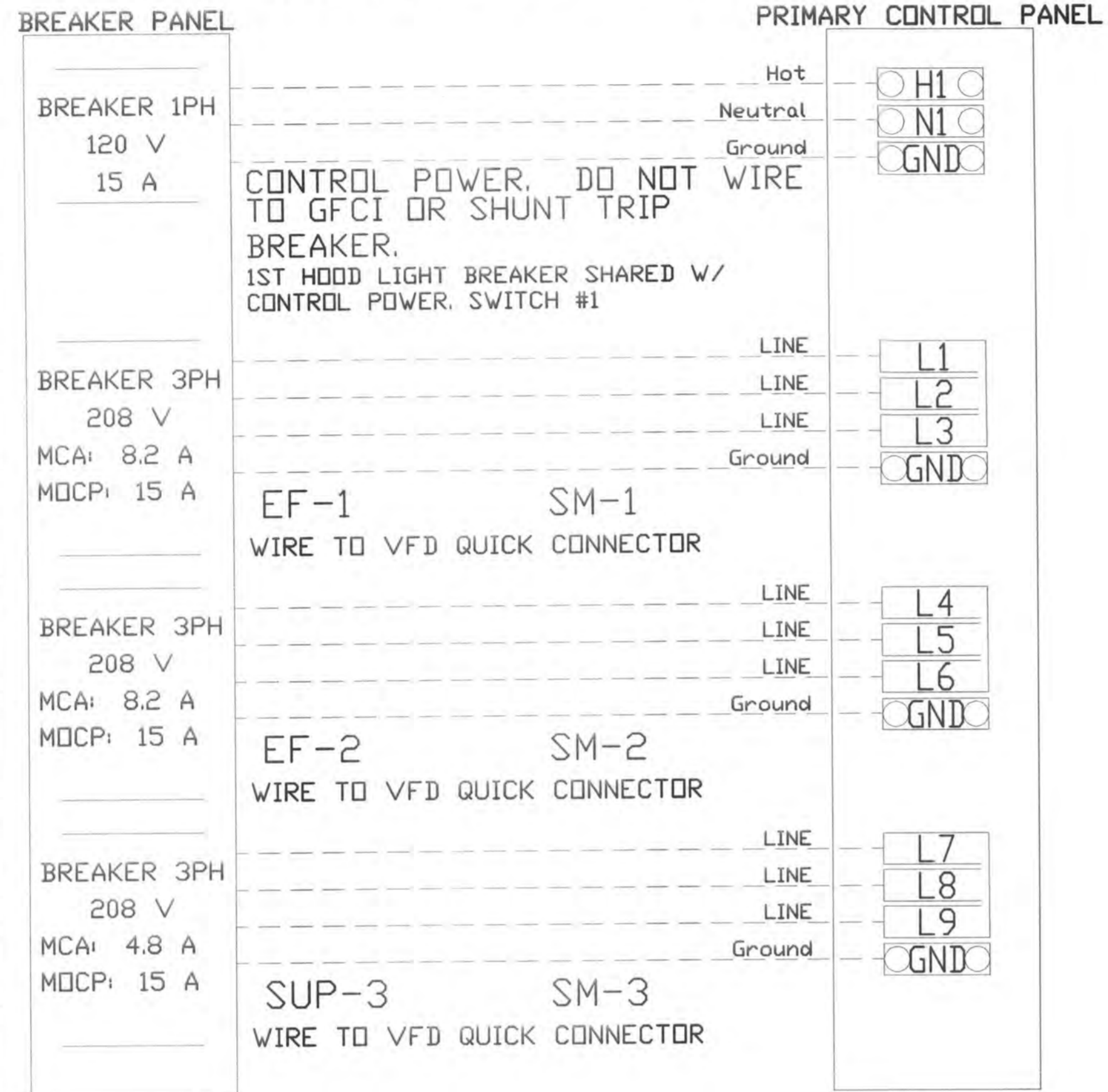
SCHEMATIC TYPE
INSTALL
DWG NO
ECP #1-1

DESCRIPTION OF OPERATION:
3 Phase w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fan(s) On/Off
Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE
MOTOR REQUIRED FOR USE WITH VFD.

BREAKER PANEL TO PRIMARY CONTROL PANEL

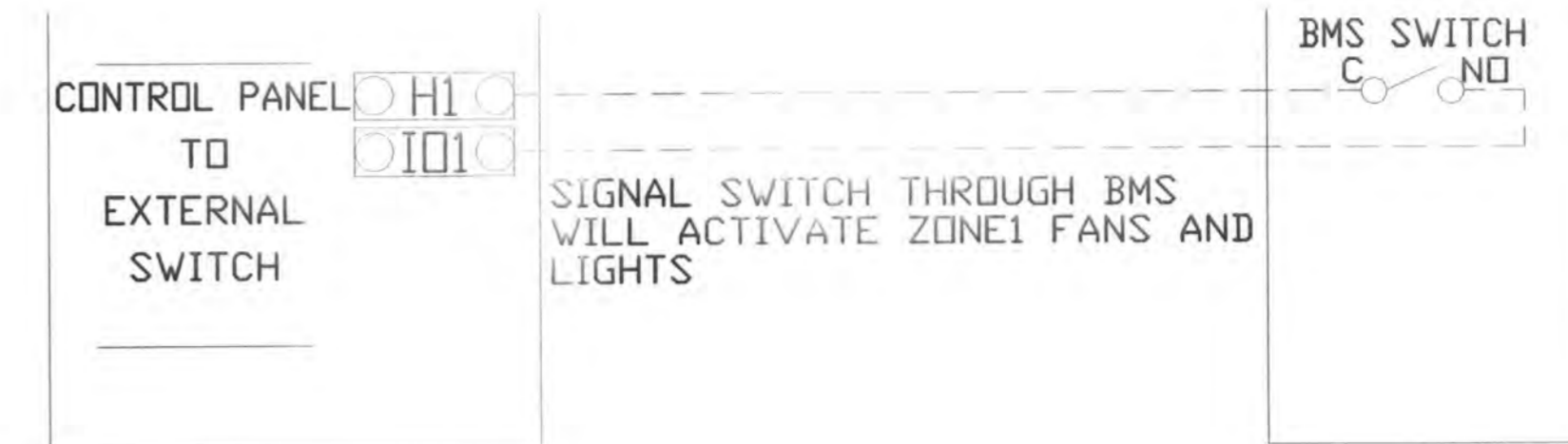
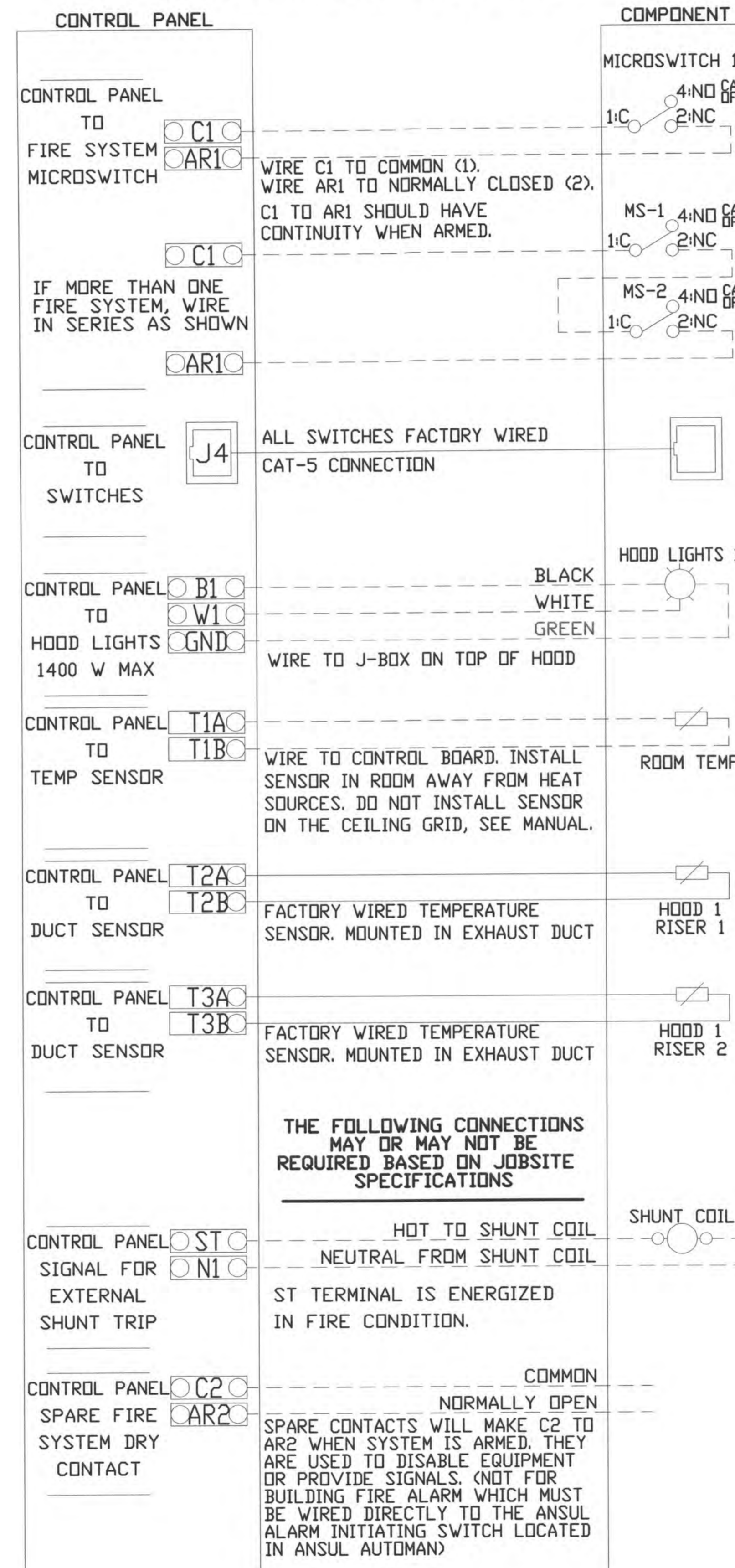
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



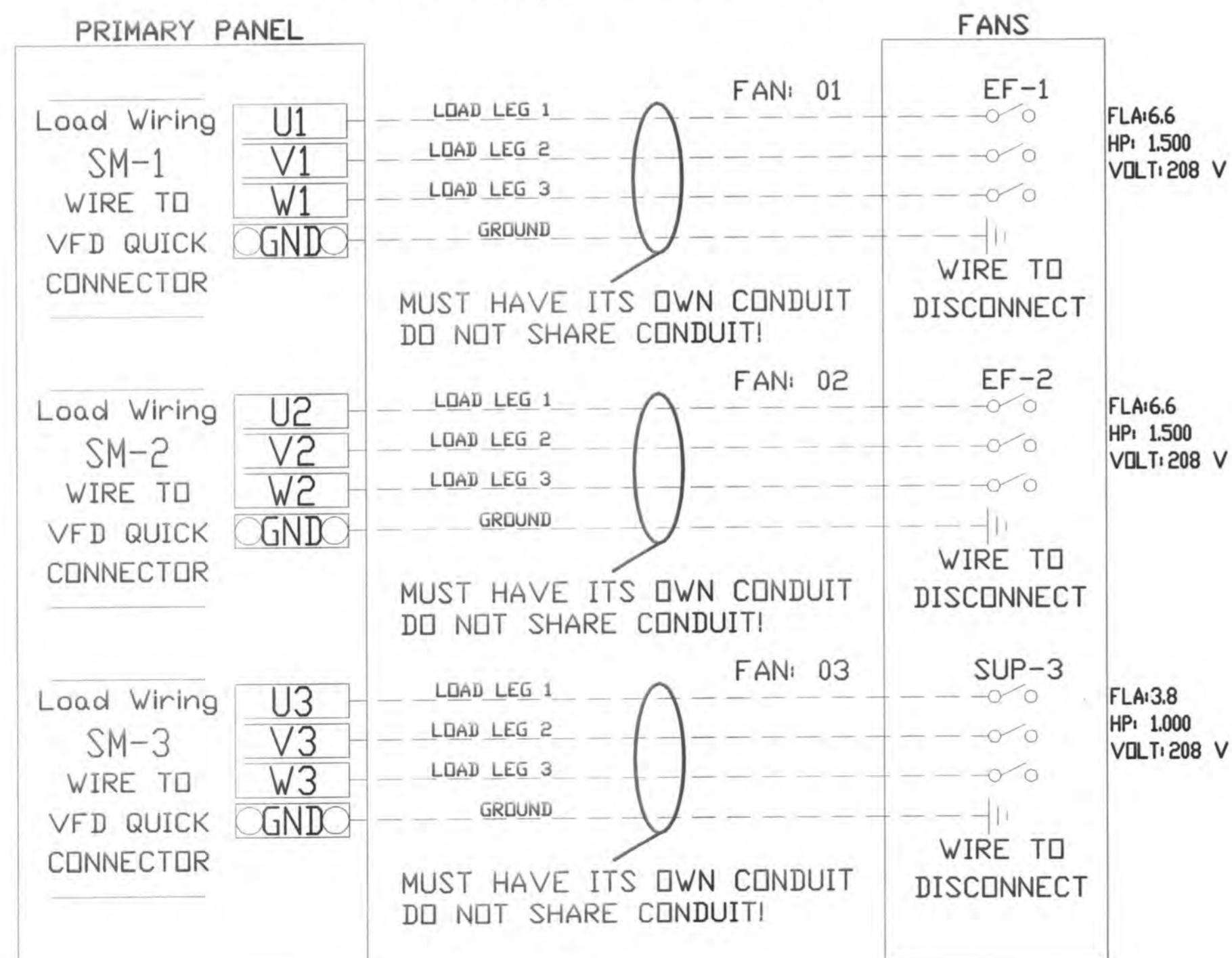
CONTROL PANEL TO ACCESSORY ITEMS

Responsibility: Electrician

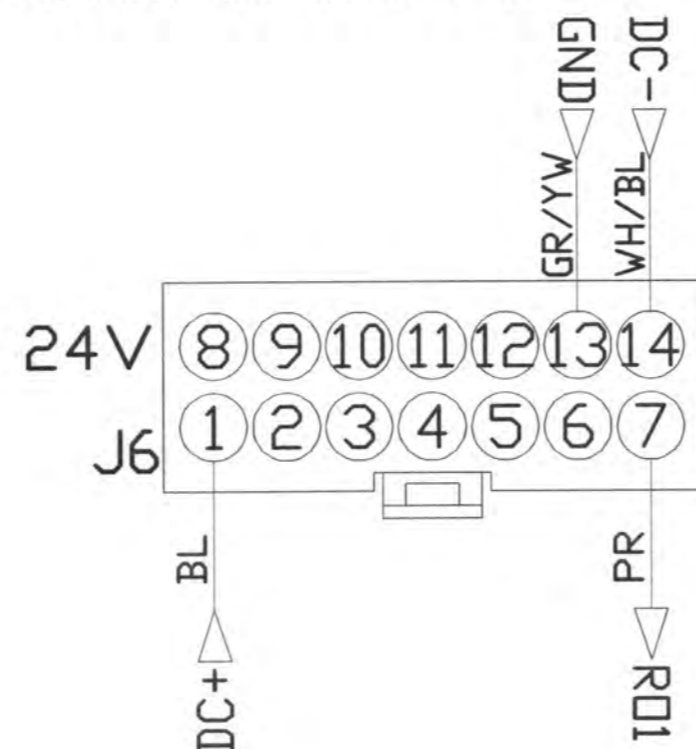
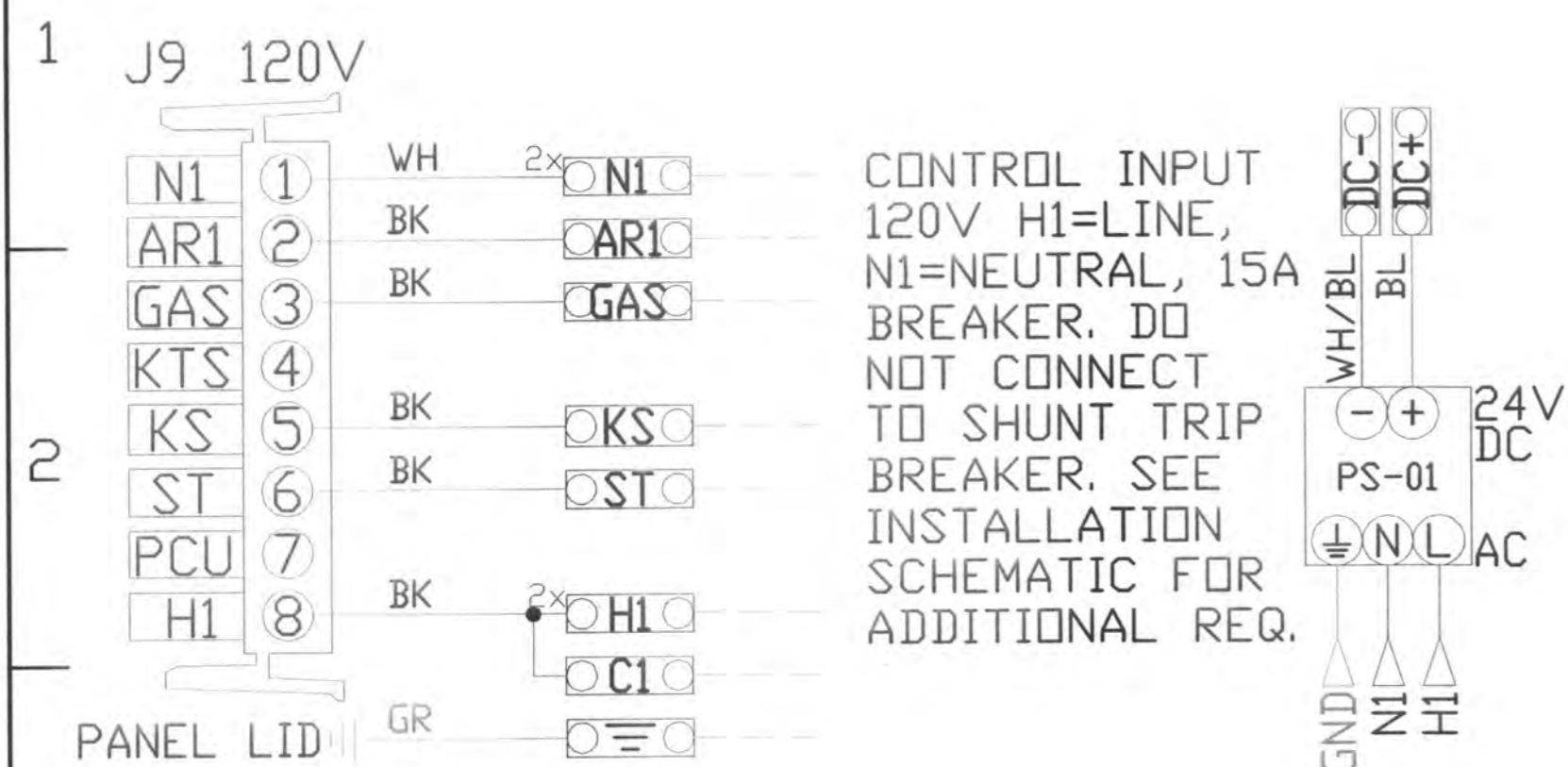


CONTROL PANEL TO FANS

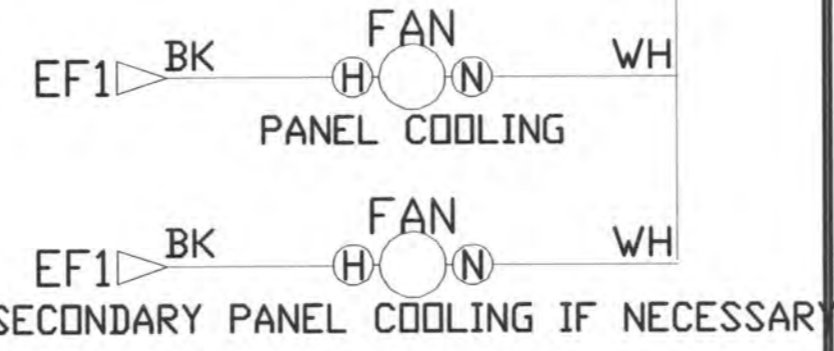
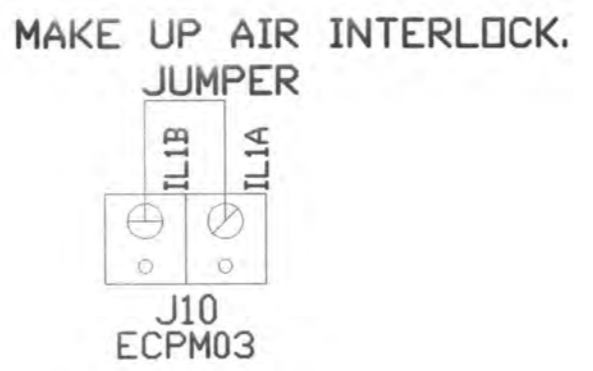
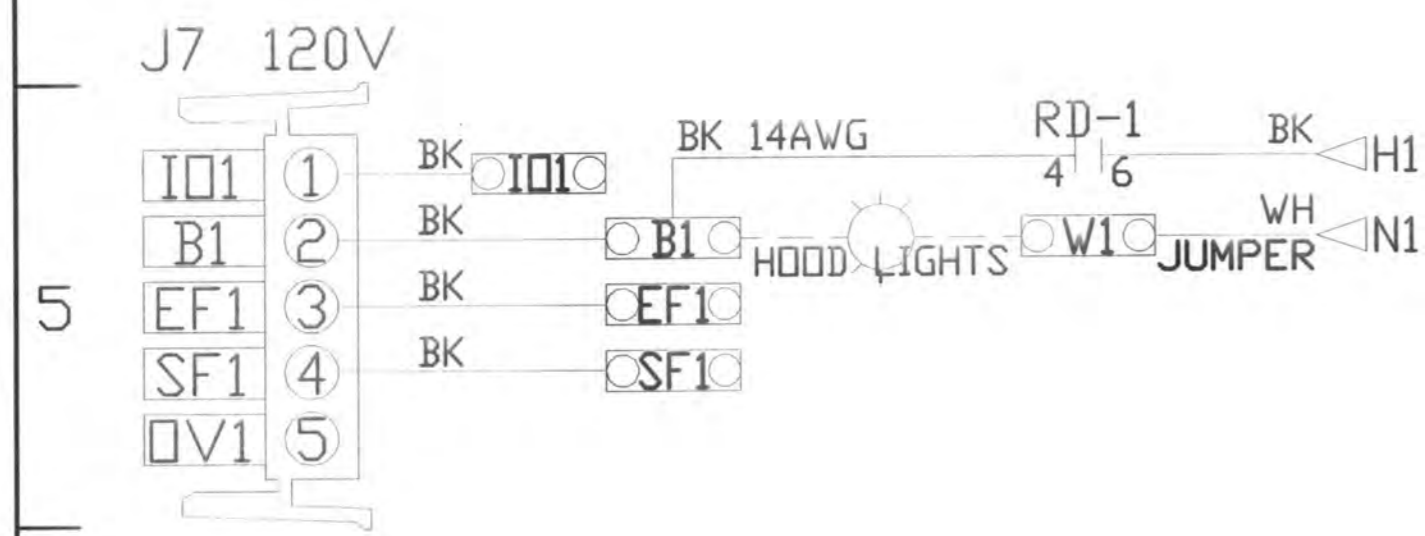
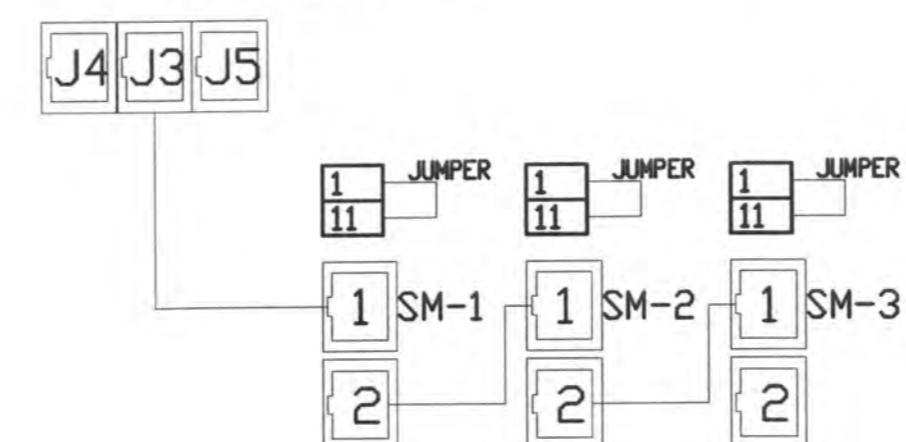
Responsibility: Electrician



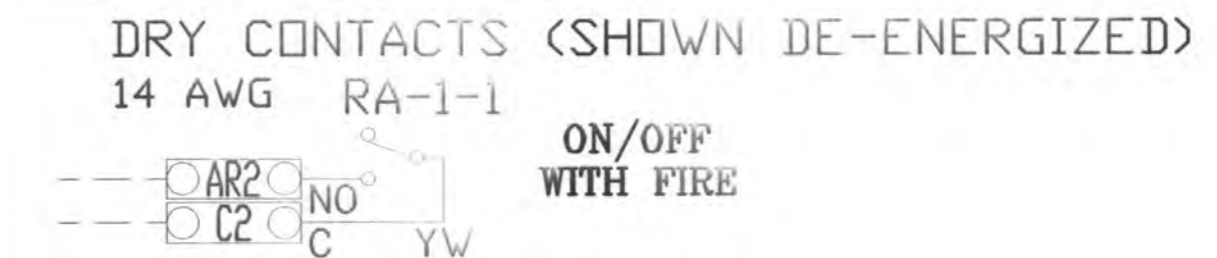
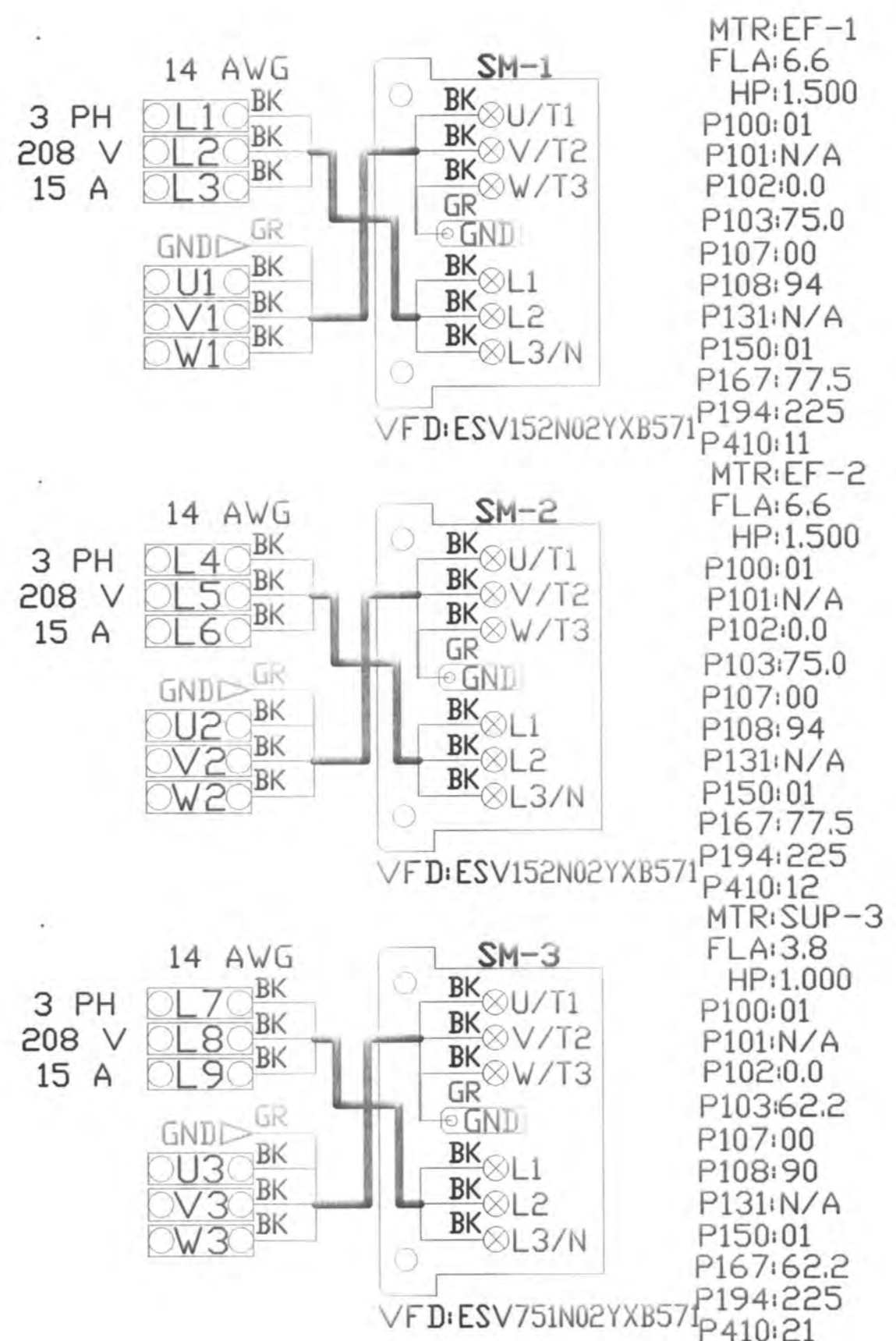
UNLESS SPECIFIED OTHERWISE, ALL FACTORY AC WIRING 16 AWG. ALL FACTORY DC WIRING 18 AWG.



NOTE: All items on ECPM03 J3 line to be daisy chained from one component to the next, with EOL120A at end of line. Place PN: EOL120A in empty RJ45 port.
ECPM03/DAISY CHAIN



MOTOR POWER CIRCUIT



FACTORY WIRING SCHEMATIC CIRCUIT BOARDS

DCV	Rev. 2.10.00
HMI	Rev. 2.10.00

RA-x	RD-x
120 VAC RELAY	24 VDC RELAY
NO 4 3	NO 4 3
NC 2 1	NC 2 1
COIL 8 7	COIL 8 7
COM 6 5	COM 6 5

LABEL	DESCRIPTION
ST-X	Starter varies
OL-X	Overload varies
C-X	Contactors varies
PS-1	Power Sup. 24VDC MDP18-24A-1C
RA-x	120V Relay DPDT 34.110.0184.0
RD-x	24VDC Light Relay 34.110.0188.0
TS-x	Duct Thermostat A/CP-PQ-T4'-EXPL

LEGEND	
---	FIELD WIRING
---	FACTORY WIRING
BK-	BLACK
BL-	BLUE
BR-	BROWN
GF-	GREEN
GR-	GREY
RD-	RED
WH-	WHITE
DR/BL-	DR/BL STRIPE
BL/RD-	BL/RD STRIPE
RD/GN-	RD/GN STRIPE
WH/BL-	WH/BL STRIPE

JOB NAME	
Habenerro's	
DRAWING TITLE	
SC-321110FP	
DESCRIPTION OF OPERATION	
3 Phase w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.	
JOB NO	DRAWN BY
3951768	
TYPE	DATE
FACTORY	8/21/2019
DWG NO ECP	#1-2