SEABREEZE HIGH SCHOOL
REROOF MEDIA CENTER

VOLUSIA COUNTY SCHOOLS
"LEADING WITH GRACE AND RESPECT"

THE SCHOOL BOARD OF VOLUSIA
COUNTY FLORIDA
200 North Clara Avenue
DeLand, Florida 32720

VCS Project NO. 194737

2700 NORTH OLEANDER AVENUE
DAYTONA BEACH, FL 32118

SCHOOL BOARD MEMBERS

MS. JAIME HAYNES	CHAIRMAN
MRS. ANITA BURNETTE	VICE CHAIRMAN
MRS. JESSIE THOMPSON	MEMBER
MR. CARL PERSIS	MEMBER
MR. RUBEN COLON	MEMBER
DR. CARMEN J. BALGOBIN	SUPERINTENDENT

DESCRIPTION OF WORK

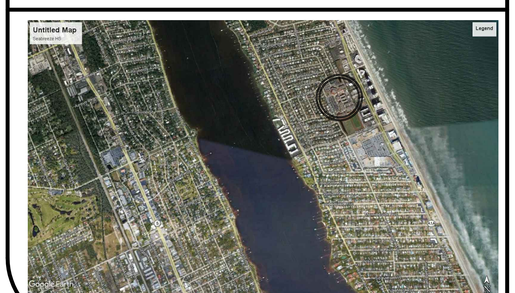
REMOVE AND REPLACE LOW-SLOPE ROOFING SYSTEM ON MEDIA CENTER. CLEAN AND COAT CONCRETE FOLDED PLATE ROOF.

Architect's Statement of Compliance
To the best of my knowledge, these drawings and the project manual are complete and comply with the Florida Building Code.

BUILDING DATA

A.	SURVEY PARCEL ID	---
B.	LEGAL DESCRIPTION	---
C.	OCCUPANCY TYPE	E (EDUCATIONAL)
D.	CONSTRUCTION TYPE	TYPE V (UNPROTECTED)
E.	RISK CATEGORY	III
F.	AUTOMATIC SPRINKLER	EXISTING
G.	BUILDING AREA	14,500 SF
H.	BUILDING HEIGHT	<15 FT
I.	OCCUPANT LOAD	---

LOCATION MAP



NOT TO SCALE

ENGINEERS & CONSULTANTS

CONSULTANT ENGINEERS
TERRACON
1675 LEE ROAD
WINTER PARK, FL 32789
407 740 6110
JAMES E. SAIZAN, R.A.
JIM.SAIZAN@TERRACON.COM
WWW.TERRACON.COM

Terracon
Consulting Engineers and Scientists

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CONSTRUCTION DOCUMENTS - 1/6/2023

Terracon
Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
PH. (407) 740-6110 FAX. (407) 740-6112

SEAL

REVISIONS
DOCUMENT HISTORY

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ARCH/ENGR OF RECORD
Architect
JIM SAIZAN

DESIGNED BY JES	DRAWN BY JMP
ISSUE DATE 12/21/2022	AE PROJECT NUMBER F9196119

SHEET TITLE
COVER

DRAWING NO.
G-001

SYMBOLS

AIR HANDLING EQUIPMENT

- AC — AC UNIT ON CURB
- V — MISCELLANEOUS VENT THRU ROOF
- A — CAPPED CURB (ABANDONED)
- V — CURB MOUNTED VENT
- F — EXHAUST FAN
- LV — LOUVRED VENT
- HV AC — MECHANICAL UNIT

CRICKETS

- CRICKET
- SADDLE

CHIMNEYS

- HS — HOT STACK
- CH — CHIMNEY

CORES/MOISTURE

- C-1 — CORE SAMPLE
- CORE SAMPLE W/INDENTIFIER
- CONFIRMED MOISTURE DAMAGE

DRAINAGE

- CD — CONDENSATION DRAIN LINE
- D.S. — GUTTER WITH DOWNSPOUT
- OD — OVERFLOW DRAIN
- RD — ROOF DRAIN
- SCUPPER
- OF — OVERFLOW SCUPPER
- RD — WALL DRAIN
- SPLASH BLOCK

PERIMETERS

- ROOF EDGE
- PARAPET WALL
- –EJ–EJ– EXPANSION JOINT

PIPE RUNS

- –E–E– ELECTRIC CONDUIT
- –FS–FS– FIRE SPRINKLER ;INE
- –G–G– GAS LINE

PENETRATIONS

- F — FAN
- G — GAS LINE PENETRATION
- GRAVITY VENT
- POWER ROOF VENT
- POWER VENT
- PIPE PENETRATION
- PP — PITCH PAN
- PLUMBING VENT
- PLUMBING VENT THRU PITCH PAN
- SL — SKYLIGHT
- FALL PROTECTION POST MOUNTED TO DECK AT 10" O.C.

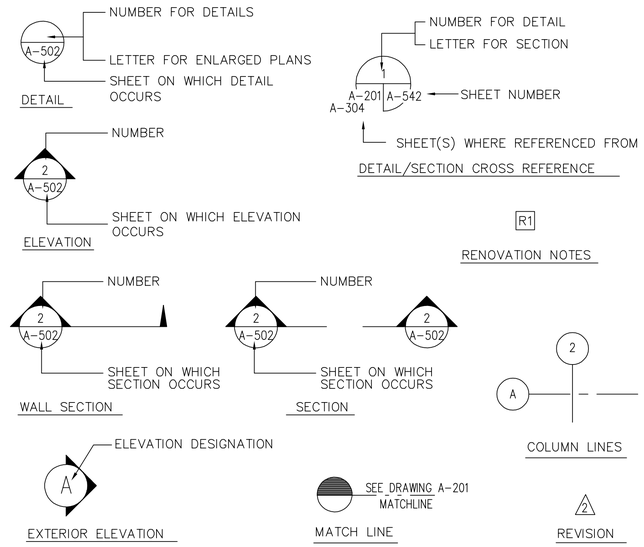
ROOF CONDITIONS

- BL — BLISTERING
- DEBRIS
- LEAK AREA
- MEMBRANE HOLE
- VEGETATION
- PONDING

MISCELLANEOUS

- A — ABANDONED
- ANTENNA
- LADDER
- NIC — NOT INCLUDED IN CONTRACT
- SLOPE
- CONCRETE SLEEPER PADS
- FLOOD LIGHT
- LIGHTING TERMINAL AND CONDUCTOR

SECTIONS



CODE INFORMATION

APPLICABLE CODES

Building :	FLORIDA BUILDING CODE	Edition : 2020
Mechanical :	FLORIDA MECHANICAL CODE	Edition : 2020
Plumbing :	FLORIDA PLUMBING CODE	Edition : 2020
Electrical :	NATIONAL ELECTRICAL CODE	Edition : 2014
Fire :	FLORIDA FIRE PREVENTION CODE	Edition : 2020
Energy :	FLORIDA ENERGY CODE	Edition : 2020

OCCUPANCY

Occupancy(s) Classification : E (EDUCATIONAL)

CONSTRUCTION

Type of Construction (CHAPTER 6) : TYPE II Protected or Unprotected : UNPROTECTED

Sprinklered or Non-sprinklered : SPRINKLERED

DESIGN CRITERIA

ROOF LIVE LOAD – 20 PSF

DESIGN WIND SPEED – 155 MPH

RISK CATEGORY – IV

EXPOSURE – C

INTERNAL PRESSURE COEFFICIENT – 0.18

BUILDING HEIGHT – 18' MAX., 15' AVG.

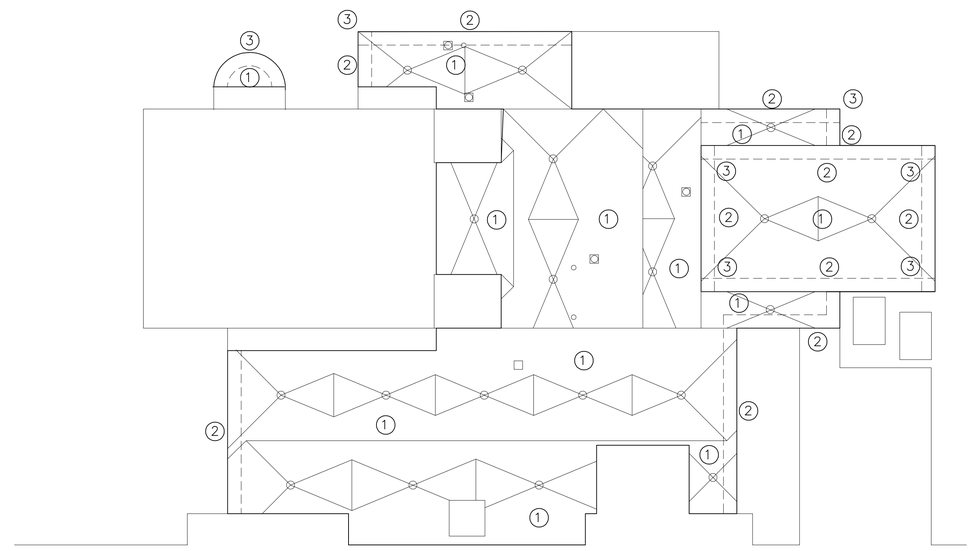
EXPOSURE & HEIGHT ADJUSTMENT FACTOR – 1.21

ABBREVIATIONS

A/C	AIR CONDITIONING	EXP	EXPANSION	OC	ON CENTER
ACT	ACOUSTICAL CEILING TILE or	EXST'G	EXISTING	OPEN'G(OPN'G)	OPENING
		FP	FIREPROOF	PL	PLATE
ACT	ACOUSTICAL TREATMENT	FJ	FIELD JOINT	PLAS. LAM.	PLASTIC LAMINATE
AFF	ABOVE FINISHED FLOOR	FIN	FINISH	PLYWD	PLYWOOD
@	AT	FL	FLOOR	PT	PRESSURE TREATED
BD	BOARD	FLASH'G	FLASHING	RAD	RADIUS
BLDG	BUILDING	GA	GAUGE	RD	ROOF DRAIN
BLK	BLOCK	GALV	GALVANIZED	REQD	REQUIRED
BLK'G	BLOCKING	GL	GLASS	SAT	SUSPENDED ACOUSTICAL TILE
BUR	BUILD UP ROOFING	HM	HOLLOW METAL		
CL	CENTER LINE	HP	HIGH POINT	SS	STAINLESS STEEL
CJ	CONTROL JOINT	INSUL	INSULATION	SUSP. CLG.	SUSPENDED CEILING
CLG	CEILING	JT	JOINT	STL	STEEL
CMU	CONCRETE MASONRY UNIT	LAM	LAMINATE	SQ	SQUARE
COL	COLUMN	LAV	LAVATORY	THK	THICK
CONC	CONCRETE	LP	LOW POINT	TREAT'D	TREATED
CONT	CONTINUOUS	MAX	MAXIMUM	TOM	TOP OF MASONRY
CU	CONDENSING UNIT	MECH	MECHANICAL	TOS	TOP OF STEEL
DIA	DIAMETER	MTL	METAL	TYP	TYPICAL
DN	DOWN	MIN	MINIMUM	VTR	VENT THRU ROOF
DS	DOWN SPOUT	MO	MASONRY OPENING	VIF	VERIFY IN FIELD
DWG	DRAWING	NA	NOT APPLICABLE	W/	WITH
EWC	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT	W/O	WITHOUT
EJ	EXPANSION JOINT			WD	WOOD
EL	ELEVATION				

MATERIALS LEGEND

- RIGID INSULATION
- LWIC–LIGHT WEIGHT INSULATED CONCRETE
- COVER BOARD
- BATT INSULATION
- PORTLAND CEMENT PLASTER
- PORTLAND CEMENT PLASTER OVER METAL LATH
- EXTERIOR INSULATION & FINISH SYSTEM
- COMPRESSIBLE FILLER
- CONCRETE
- EXISTING CONSTRUCTION
- TONGUE & GROOVE
- GLASS
- GYPSUM BOARD
- METAL
- PLYWOOD
- WOOD BLOCKING
- CONTINUOUS WOOD MEMBER
- FINISHED WOOD MEMBER
- EARTH



CORNER AND PERIMETER ZONE WIDTH:

10% OF LEAST OVERALL DIMENSION OR 0.4 X HEIGHT - USE 4' ALL LOCATIONS

UPLIFT PRESSURES: MAIN ROOF

1. ZONE 1 (FIELD) - 64. 1 PSF
2. ZONE 2 (PERIMETER) - 107. 7 PSF
3. ZONE 3 (CORNER) - 162. 2 PSF

UPLIFT PRESSURE ZONES PLAN

NTS

0 8 16 32

APPROX. SCALE IN FEET

Terracon
Consulting Engineers and Scientists
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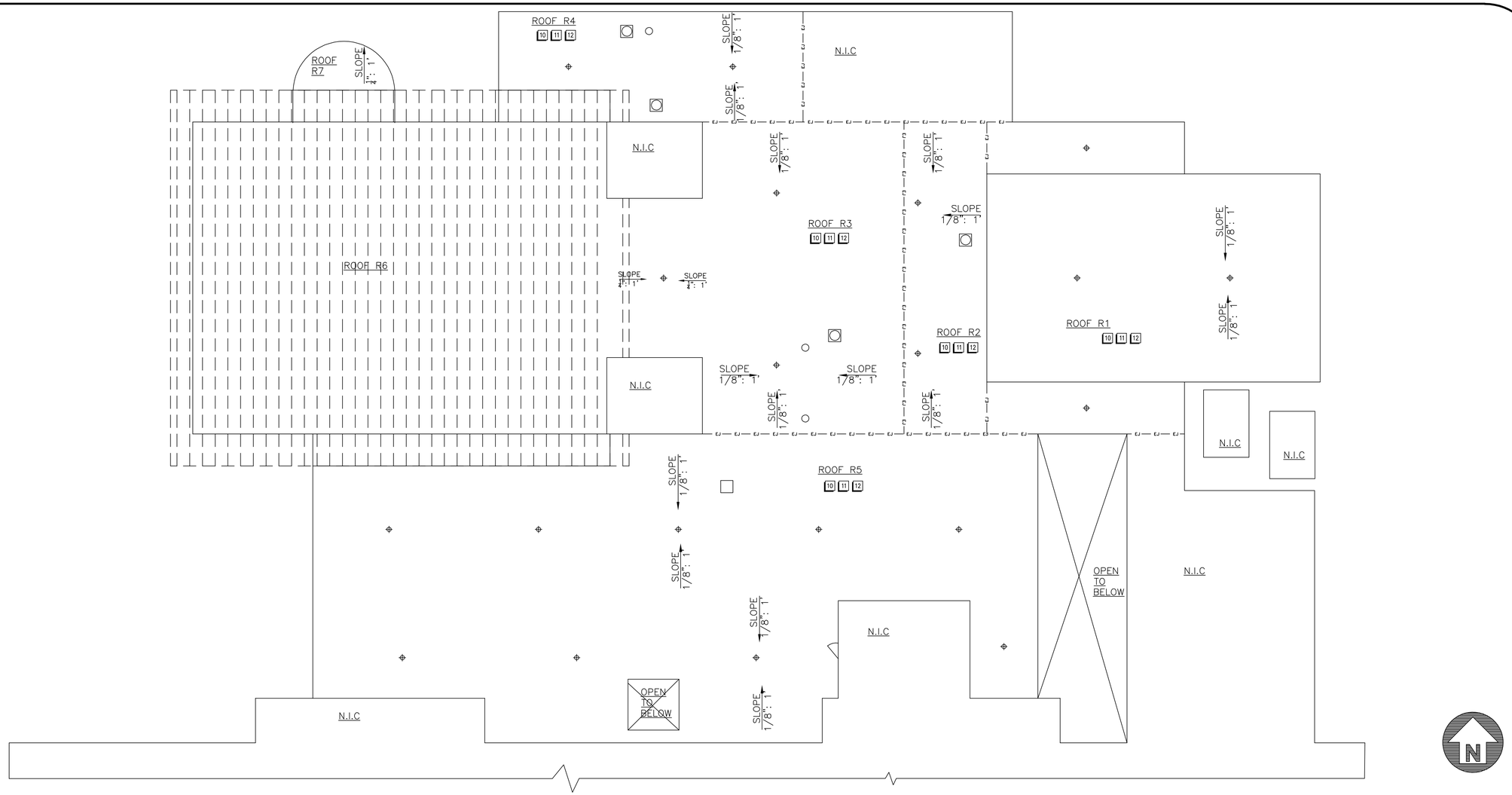
ARCH/ENGR OF RECORD
Architect
JIM SAIZAN

DESIGNED BY JES	DRAWN BY XXX
ISSUE DATE 12/21/2022	AE PROJECT NUMBER F9196119

SHEET TITLE
LEGEND & GENERAL INFORMATION

DRAWING NO.
G-002



EXISTING ROOF PLAN

SCALE: N.T.S

GENERAL NOTES

1. ALL BUILDING DIMENSIONS, EXISTING CONDITIONS, ITEM LOCATIONS, AND SIZES AND QUANTITES OF PENETRATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2. LAYDOWN/STORAGE AREA IS LIMITED AND SHALL BE AS APPROVED BY THE OWNER AND TERRACON.
3. PRIOR TO PERFORMING WORK, CONTRACTOR SHALL INSPECT WORK SITE AND EXISTING CONSTRUCTION FOR POTENTIAL SAFETY HAZARDS. PROVIDE FOR THE SAFETY AND PROTECTION OF WORKERS AND OCCUPANTS THROUGHOUT COURSE OF WORK. COMPLY WITH OSHA AND LOCAL BUILDING CODE REQUIREMENTS.
4. BUILDING ACCESS IS RESTRICTED AND ALLOWED ONLY AS REQUIRED TO ACCOMPLISH CONTRACT WORK. COORDINATE ANY REQUIRED ACCESS WITH THE OWNER.
5. WORK INCLUDES ROOF REPLACEMENT OF ONLY THE INDICATED ROOF AREAS.
6. SITE SHALL BE CLEANED AND SECURED ON A DAILY BASIS.
7. TEMPORARILY DISCONNECT AND RECONNECT ANY DOORS, MECHANICAL/ELECTRICAL LINES,LIGHTNING PROTECTION SYSTEM AND EQUIPMENT AS NECESSARY TO DISPOSE OF THE ROOF SYSTEM AND RELATED MATERIAL. COORDINATE DISCONNECTION AND RECONNECTION WITH OWNER. THE ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS WHICH INTERFERE WITH THE INSTALLATION OF THE NEW ROOF SYSTEM AND RELATED WORK. ALL SUCH EQUIPMENT AND ITEMS SHALL BE TEMPORARILY RE-ROUTED AS NECESSARY IF IT REQUIRED TO STAY IN SERVICE. LIGHTNING PROTECTION SYSTEM SHALL REMAIN IN SERVICE AT ALL TIMES. ANY ITEMS NOT REQUIRED TO STAY IN SERVICE SHALL BE PROPERLY STORED BY THE SUB CONTRACTOR AND REINSTALLED AT THE COMPLETION OF THE WORK. ALL ELECTRICAL, MECHANICAL, AND PLUMBING WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS. ALL REINSTALLED WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING WORK WHICH DOES NOT CONFORM TO APPLICABLE CURRENT CODES SHALL BE REPORTED TO OWNER.

LEGEND

SYMBOL	DESCRIPTION
✦	ROOF DRAIN
o^V	PLUMBING VENT
$*_{PP}$	PIPE PENETRATION
⊠	POWER VENT
	EXPANSION JOINT
	DOOR THRESHOLD

PROTECTION NOTES

1. THE BUILDING WILL REMAIN FUNCTIONAL THROUGHOUT THE CONSTRUCTION PERIOD. ROOFING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT CONTENTS AND OCCUPANTS.
2. NO MORE ROOFING SHALL BE REMOVED THAN CAN BE INSTALLED WITH THE COMPLETE NEW ROOF SYSTEM EACH DAY, EXCEPT AS OTHERWISE APPROVED.
3. THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAYS CONSTRUCTION AND WHEN INCLEMENT WEATHER THREATENS.
4. THE ROOFING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE BUILDING, EXTERIOR, INTERIOR AND GROUNDS, INCLUDING ANY LANDSCAPING, AND ALL PROMENADE CONCRETE WITHIN THE PROJECT SCOPE.
5. ANY SURFACES STAINED, MARKED, MARRED, OR DAMAGED BY THE CONTRACTOR SHALL BE RETURNED TO ORIGINAL CONDITION AND TO MATCH ADJACENT SURFACES.
6. THE SEQUENCE OF WORK SHALL MINIMIZE CONSTRUCTION TRAFFIC ON THE NEW WORK.

SPECIFIC ROOF DEMOLITION NOTES

ITEM	DESCRIPTION
10	REMOVE AND DISPOSE OF EXISTING ROOF MEMBRANE, COVERBOARD, INSULATION, ASSOCIATED FLASHINGS, SHEET METAL FLASHINGS. PREPARE STRUCTURAL DECK AS REQUIRED TO RECEIVE NEW ROOF ASSEMBLY.
11	REMOVE AND DISPOSE OF EXISTING ROOF DRAIN ASSEMBLY. INSTALL NEW ROOF DRAIN ASSEMBLY.
12	TEMPORARILY DISCONNECT AND RECONNECT ANY MECHANICAL/ELECTRICAL LINES AND EQUIPMENT AS NECESSARY TO DISPOSE OF THE ROOF SYSTEM AND RELATED MATERIAL. COORDINATE DISCONNECTION AND RECONNECTION WITH OWNER. THE ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS WHICH INTERFERE WITH THE INSTALLATION OF THE NEW ROOF SYSTEM AND RELATED WORK. ALL SUCH EQUIPMENT AND ITEMS SHALL BE TEMPORARILY RE-ROUTED AS NECESSARY IF IT REQUIRED TO STAY IN SERVICE. ANY ITEMS NOT REQUIRED TO STAY IN SERVICE SHALL BE PROPERLY STORED BY THE SUB CONTRACTOR AND REINSTALLED AT THE COMPLETION OF THE WORK. ALL ELECTRICAL, MECHANICAL AND PLUMBING WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS. ALL REINSTALLED WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING WORK WHICH DOES NOT CONFORM TO APPLICABLE CURRENT CODES SHALL BE REPORTED TO OWNER.
13	PREPARE EXISTING SURFACE TO RECEIVE NEW REINFORCED COATING SYSTEM PER ROOF COATING MANUFACTURER REQUIREMENTS.

EXISTING ROOF ASSEMBLY CHART

ROOF DESIGNATION	STRUCTURAL DECK			BASE PLY	INSULATION		COVER BOARD		ROOF MEMBRANE	SURFACING		Comments
	METAL	CONCRETE	CONCRETE FOLDED PLATES	VENTING BASE SHEET	TAPERED POLYISOCYANURATE	NONE	PERLITE	NONE	2 PLY FELT, MODIFIED BITUMEN INTERPLY, MODIFIED BITUMEN CAP	GRANULATED	COATING	● REFERS (APPLICABLE) – REFERS (NOT APPLICABLE)
R1	●	–	–	–	●	–	●	–	●	●	–	
R2	●	–	–	–	●	–	●	–	●	●	–	
R3	–	●	–	●	–	–	●	–	●	●	–	
R4	●	–	–	–	●	–	●	–	●	●	–	
R5	●	–	–	–	●	–	●	–	●	●	–	
R6	–	–	●	–	–	●	–	●	–	–	●	
R7	–	●	–	●	●	–	●	–	●	●	–	

Terracon
Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
PH. (407) 740-6110 FAX. (407) 740-6112

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ARCH/ENGR OF RECORD
Architect
JIM SAIZAN

DESIGNED BY JES	DRAWN BY JMP
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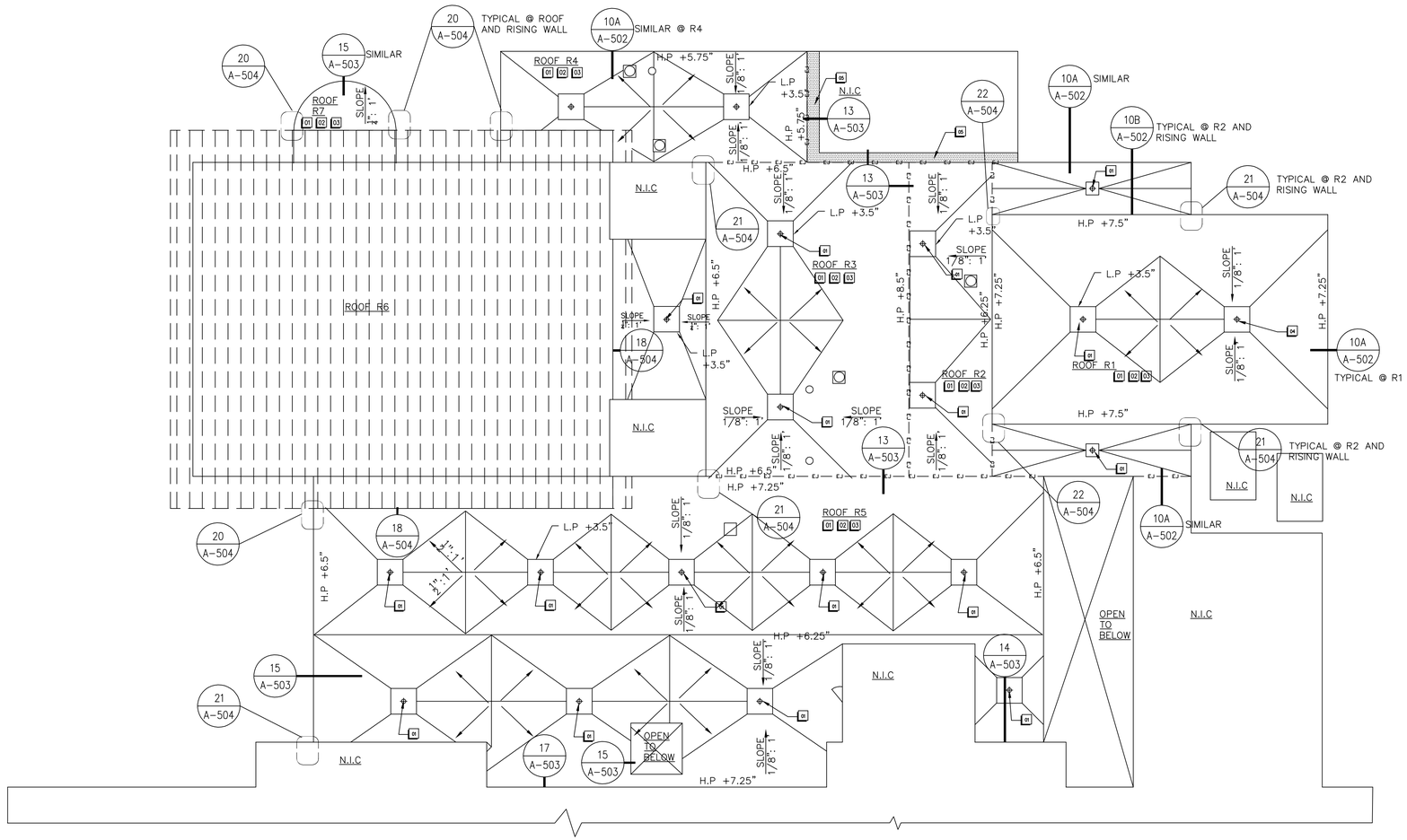
SHEET TITLE
ROOF DEMOLITION PLAN

DRAWING NO.
AD-100



NEW ROOF PLAN

SCALE: N.T.S

GENERAL CONSTRUCTION NOTES

A	THE ROOFING CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD. THIS SHALL INCLUDE VERIFYING THE EXACT LOCATIONS, DIMENSIONS AND QUANTITIES OF ALL ROOFTOP EQUIPMENT AND APPURTENANCES WHICH INCLUDING, BUT IS NOT LIMITED TO VENT PIPES, DRAINS, FLUE PIPES, HOT STACK CURBS, BASE FLASHING AND ALL OTHER PENETRATIONS AND WORK ASSOCIATED WITH THIS ROOFING PROJECT. ROOFING SUB CONTRACTOR SHALL NOTIFY TERRACON, IN WRITING, OF ALL CONDITIONS WHICH ARE IN VARIANCE WITH THE CONDITIONS DOCUMENTED HEREIN PRIOR TO SUBMITTING A BID. AFTER AWARD NO ADDITIONAL COSTS TO OWNER WILL BE ACCEPTED.
B	THE BUILDING MAY BE FULL OR PARTIALLY OCCUPIED; ROOFING CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
C	ROOFING CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN, INCLUDING GROUNDS, EXTERIOR SURFACES AND THE INTERIOR OF THE BUILDING. DAMAGE CONDITION BY THE SUB CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ALL REPAIR WORK MUST CONFORM TO THE ORIGINAL CONDITIONS AND SATISFY TO THE OWNER.
D	ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL CODES AND AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
E	ALL DETAILS INDICATE MINIMUM INSTALLATION REQUIREMENTS. IF THE MANUFACTURER'S STANDARD DETAILS ARE MORE STRINGENT, IN THE OPINION OF TERRACON, THEY SHALL GOVERN. IF THE DETAILS SHOWN ARE MORE STRINGENT THAN THE MANUFACTURER'S STANDARD DETAILS, IN THE OPINION OF THE TERRACON, THE DETAILS SHOWN SHALL GOVERN, REGARDLESS OF THE MANUFACTURER'S WILLINGNESS TO WARRANT / GUARANTY THE LESSER DETAIL. BY SUBMITTING A BID FOR THIS PROJECT, IT IS UNDERSTOOD THAT THE ROOFING CONTRACTOR AND MANUFACTURER AGREE TO WARRANTY / GUARANTY THE DETAILS SHOWN. TERRACON MAY, BUT IS NOT OBLIGATED TO, ACCEPT ANY PROPOSED CHANGES TO THE DETAILS SHOWN.
F	THE ROOFING CONTRACTOR IS TO PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE AND WATERTIGHT JOB WHICH IS FULLY WARRANTED /GUARANTEED BY THE MANUFACTURER AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. ANY DETAILS OR WORK REQUIRED FOR A COMPLETE JOB, BUT NOT SHOWN OR SPECIFIED BY THE CONTRACT DOCUMENTS, SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. ANY ADDITIONAL LABOR AND MATERIAL REQUIRED TO MEET MANUFACTURER'S WARRANTY / GUARANTY REQUIREMENTS, BUT NOT INDICATED BY THE CONTRACT DOCUMENTS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
G	ALL WOOD BLOCKING USED IN THE ROOFING WORK SHALL BE MINIMUM 2X6 PRESSURE TREATED.
H	ALL NEW CRICKETS/GUSSETS TO BE TAPERED ISO DOUBLE THE SLOPE OF ROOF(e.g 1/4" PER FOOT FOR $\frac{1}{8}$" PER FOOT ROOF SLOPE)
I	PROVIDE CRICKET BEHIND ALL ROOF CURBS GREATER THAN 24" AT HIGHER SLOPE.
J	ADDITIONAL DETAILS NOT KEYED ON ROOF PLAN MAY BE REFERENCED AND SHALL BE INSTALLED AS NECESSARY.

ITEM	DESCRIPTION
01	INSTALL NEW ROOF DRAIN ASSEMBLY (4" DIAMETER) . CONNECT ROOF DRAIN ASSEMBLY TO EXISTING DRAIN LINES WITH NO HUB CONNECTION. MATCH EXISTING ROOF DRAIN DIAMETER.
02	ROOFING CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR GUSSET/ CRICKET/ ROOF INSULATION LAYOUT FROM ROOFING MANUFACTURER FOR TERRACON REVIEW PRIOR TO INSTALLATION.
03	TEMPORARILY DISCONNECT AND RECONNECT (IAT DOORS, MECHANICAL/ELECTRICAL UNCLUDITHING PROTECTION SYSTEM AND EQUIPMENT ON ROOF AS NECESSARY TO INSTALL NEW ROOF SYSTEM. ROOF SYSTEM REMOVAL MATERIAL CHARGEABLE DISCONNECTION AND RECONNECTION WITH OWNER. THE ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS WHICH INTERFERE WITH THE INSTALLATION OF THE NEW ROOF SYSTEM AND RELATED WORK. ALL SUCH EQUIPMENT AND ITEMS SHALL BE TEMPORARILY RE-ROUTED AS NECESSARY IF IT REQUIRED TO STAY IN SERVICE. LIGHTNING PROTECTION SYSTEM SHALL REMAIN IN SERVICE AT ALL TIMES. ANY ITEMS NOT REQUIRED TO STAY IN SERVICE SHALL BE PROPERLY STORED BY THE SUB CONTRACTOR AND REINSTALLED AT THE COMPLETION OF THE WORK. ALL ELECTRICAL, MECHANICAL, AND PLUMBING WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS. ALL REINSTALLED WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING WORK WHICH DOES NOT CONFORM TO APPLICABLE CURRENT CODES SHALL BE REPORTED TO OWNER.
04	(NOT USED)
05	INSTALL 18" WIDE MINIMUM PMMA REINFORCED FLASHING SYSTEM TIENG EXISTING ROOF ASSEMBLY AND NEW EXPANSION JOINT. PROVIDE WATERTIGHT CONDITIONS.
06	

LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	ROOF DRAIN IN SUMP	11/12 A-502
	PLUMBING VENT	9 A-502
PP	PIPE PENETRATION	
	POWER VENT	7,8 A-502
	EXPANSION JOINT	14 A-505 / 13 A-503
	GUSSET/ CRICKET (TWICE SLOPE OF ROOF)	
.00/FT (+/-)	TAPERED ROOF SLOPE	
(0.0")	INDICATES THICKNESS OF INSULATION OVERLAY BOARD THICKNESS IS NOT INCLUDED. [H.P. INDICATES HIGHPOINT, L.P. INDICATES LOW POINT]	
	DOOR THRESHOLD	16 A-503

NEW ROOF ASSEMBLY CHART

ROOF DESIGNATION	STRUCTURAL DECK			INITIAL PLY	INSULATION	INSULATION ATTACHMENT		COVER BOARD	COVER BOARD ATTACHMENT	ROOF MEMBRANE	COATING	COMMENTS
	METAL DECK	CONCRETE	CONCRETE FOLDED PLATES	BASE PLY TORCHED	TAPERED POLYISOCYANURATE (R-25), TWO LAYERS, BOTTOM LAYER 2" THICK, TOP LAYER TAPERED	BSE LAYER MECHANICALLY FASTENED, TOP LAYER ADHERED	BASE LAYER ADHERED, TOP LAYER ADHERED	APPROVED COVERBOARD	ADHERED	2 PLY MODIFIED BITUMEN TORCHED (CAP PLY GRANULATED)	FLUID APPLIED REINFORCED COATING SYSTEM	● REFERS (APPLICABLE) – REFERS (NOT APPLICABLE) (*) MANUFACTURER WARRANTY (20 YEAR NDL SYSTEM) (σ) INDICATES SMALL ROOF AREAS REQUIRING TAPERED SYSTEM
R1	●	–	–	–	●	●	—	●	●	●	–	(*) 1/A-501
R2	●	–	–	–	●	●	—	●	●	●	–	(*) 1/A-501
R3	—	●	–	●	●	—	●	●	●	●	–	(*) 1/A-501
R4	●	–	–	–	●	●	—	●	●	●	–	(*) 1/A-501
R5	●	–	–	–	●	●	—	●	●	●	–	(*) 1/A-501
R6	–	–	●	–	–	–	—	—	—	—	●	
R7	–	●	–	–	●	–	●	●	●	●	–	

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JIM SAIZAN

DESIGNED BY	DRAWN BY
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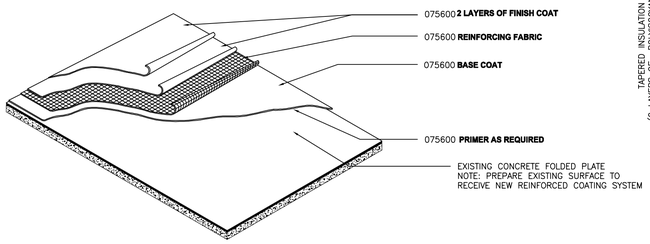
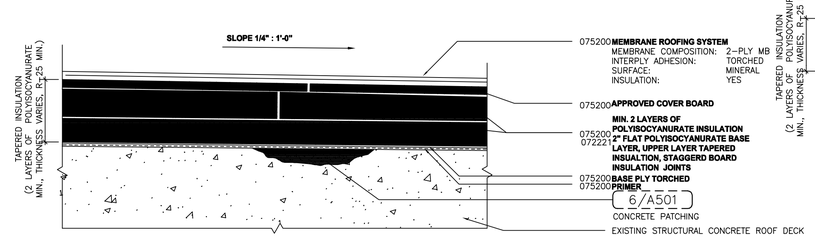
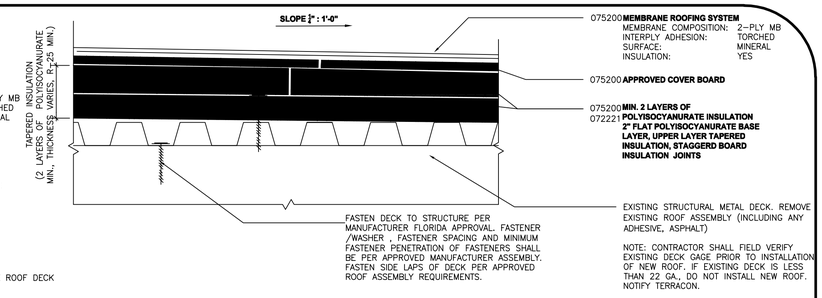
A-100





TYPICAL ROOF ASSEMBLY (CONCRETE DECK) R3 (2 / A-501)

SCALE: NTS

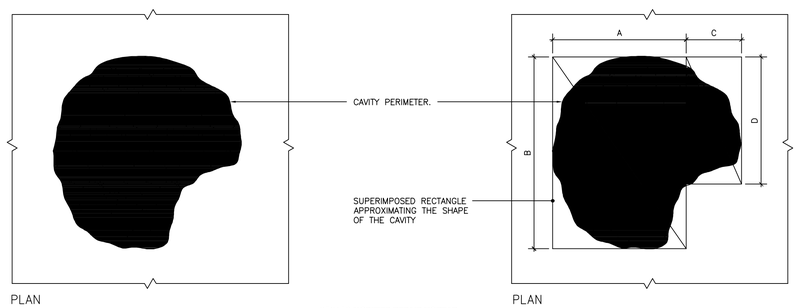


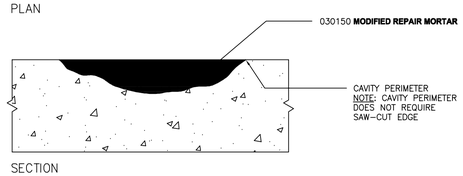
TYPICAL ROOF ASSEMBLY (METAL DECK) R1,R2,R4,R5 (1 / A-501)

SCALE: NTS

TYPICAL ROOF ASSEMBLY (METAL DECK) R6 (3 / A-501)

SCALE: NTS





THE QUANTITY OF CONCRETE REPAIR IN SQUARE INCHES IS EQUAL TO:

(A" X B") + (C" X D")

REPAIR OF DETERIORATED CONCRETE

AFTER REMOVING EXISTING ROOFING MEMBRANE, VISUALLY SURVEY CONCRETE.

INDENTIFY DETERIORATED LOCATIONS AND CREATE A CAVITY BY REMOVING ALL LOOSE MATERIAL.

DETERMINE QUANTITY OF CONCRETE REPAIR IN ACCORDANCE WITH QUANTIFICATION PROCEDURE DIAGRAM.

PREPARE CAVITY SURFACE AND APPLY MODIFIED REPAIR MORTAR AS RECOMMENDED BY MANUFACTURER'S INSTRUCTIONS.

QUANTIFICATION PROCEDURE

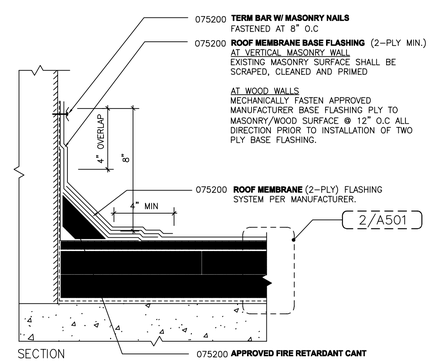
AT EACH CAVITY LOCATION, THE QUANTITY OF CONCRETE REPAIR EQUALS THE SUM OF THE AREAS OF THE SUPERIMPOSED RECTANGLES THAT APPROXIMATE THE SHAPE OF THE CAVITY.

THE UNIT OF MEASURE FOR THE QUANTIFICATION OF CONCRETE REPAIR IS THE SQUARE INCH (SQ IN).

TYPICAL SPALL REPAIR: CONCRETE ROOF DECK (6 / A-501)

SCALE: NTS

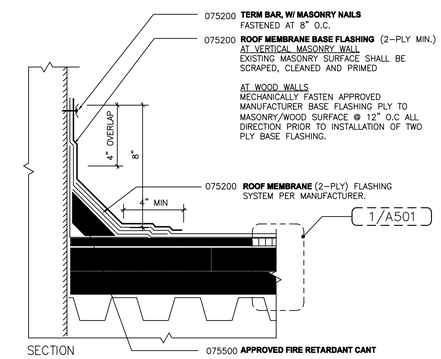
NOTE:
COUNTERFLASHING NOT SHOWN. REFER TO INDIVIDUAL DETAIL DRAWINGS FOR COUNTERFLASHING INFORMATION.
BASE FLASHING IS BASED ON SIPLAST SYSTEM. FOR OTHER MANUFACTURER SYSTEMS, INSTALL BASE WALL FLASHING SYSTEM PER MANUFACTURER RECOMMENDED DETAILS AND CONFIGURATION. AT AREAS WHERE BASE FLASHING MAY BE LOW (6"), INSTALL PMMA FLUID APPLIED REINFORCED PARAPRO SYSTEM OR APPROVED EQUAL. ROOF MANUFACTURER SHALL WARRANT FLASHING SYSTEM AS A PART OF ROOFING SYSTEM 20 YEAR NDL.



TYPICAL BASE FLASHING DETAIL (5 / A-501)

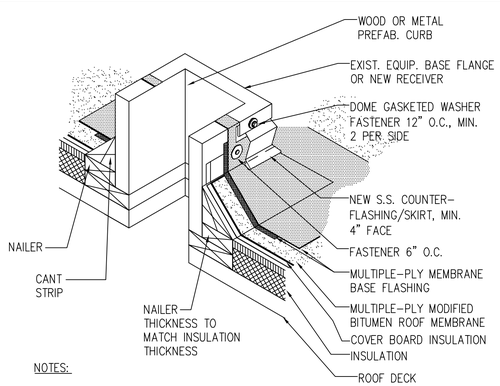
SCALE: NTS

NOTE:
COUNTERFLASHING NOT SHOWN. REFER TO INDIVIDUAL DETAIL DRAWINGS FOR COUNTERFLASHING INFORMATION.
BASE FLASHING IS BASED ON SIPLAST SYSTEM. FOR OTHER MANUFACTURER SYSTEMS, INSTALL BASE WALL FLASHING SYSTEM PER MANUFACTURER RECOMMENDED DETAILS AND CONFIGURATION. AT AREAS WHERE BASE FLASHING MAY BE LOW (6"), INSTALL PMMA FLUID APPLIED REINFORCED PARAPRO SYSTEM OR APPROVED EQUAL. ROOF MANUFACTURER SHALL WARRANT FLASHING SYSTEM AS A PART OF ROOFING SYSTEM 20 YEAR NDL.



TYPICAL BASE FLASHING DETAIL (4 / A-501)

SCALE: NTS

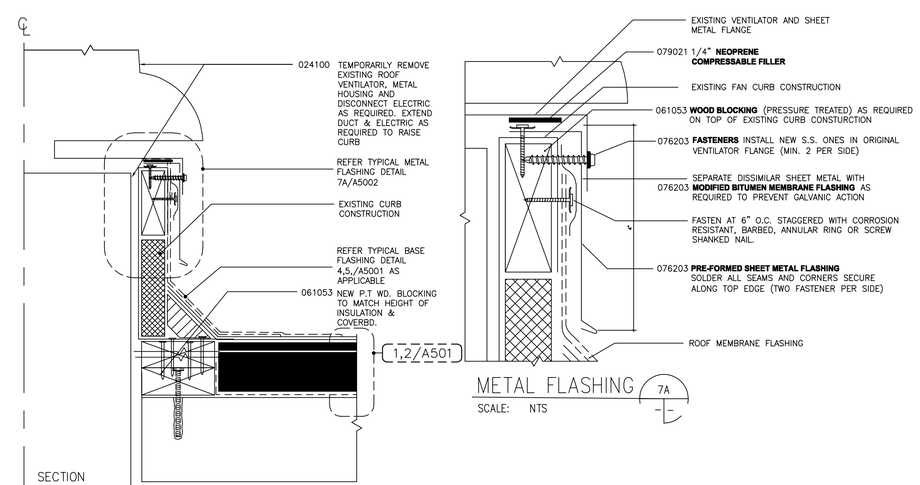


NOTES:

1. REMOVE & REINSTALL CURB-MOUNTED EQUIPMENT AS NECESSARY TO INSTALL ROOF MATERIALS.
2. INSTALL PLYWOOD LINING ON WALL OF PREFAB METAL CURB OR NAILING STRIP ATOP CURB TO ALLOW FOR BASE FLASHING INSTALLATION AND FASTENING.
3. REFER TYPICAL ROOF ASSEMBLY AND TYPICAL ROOF BASE FLASHING DETAIL. PROVIDE MINIMUM 8" BASE FLASHING HEIGHT.

GRAVITY VENT CURB FLASHING DETAIL (8 / A-501)

SCALE: NTS



METAL FLASHING (7A / -)

SCALE: NTS

TYPICAL FLASHING DETAIL AT POWER VENT (7 / A-501)

SCALE: NTS

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Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
PH. (407) 740-6110 FAX. (407) 740-6112

SEAL

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DOCUMENT HISTORY

SEABREEZE HIGH SCHOOL
REROOF MEDIA CENTER
VCS Project NO. 194737
2700 NORTH OLEANDER AVENUE
DAYTONA BEACH, FL 32118

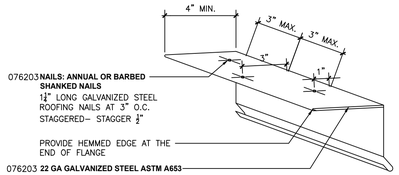
Architect
JIM SAIZAN

ARCHENGR OF RECORD

DESIGNED BY	DRAWN BY
JES	JMP
ISSUE DATE	AE PROJECT NUMBER
12/21/2022	F9196119

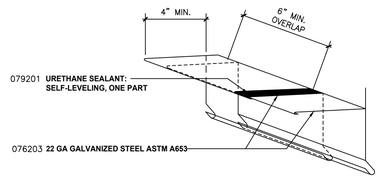
SHEET TITLE
ROOF DETAILS

DRAWING NO.
A-501



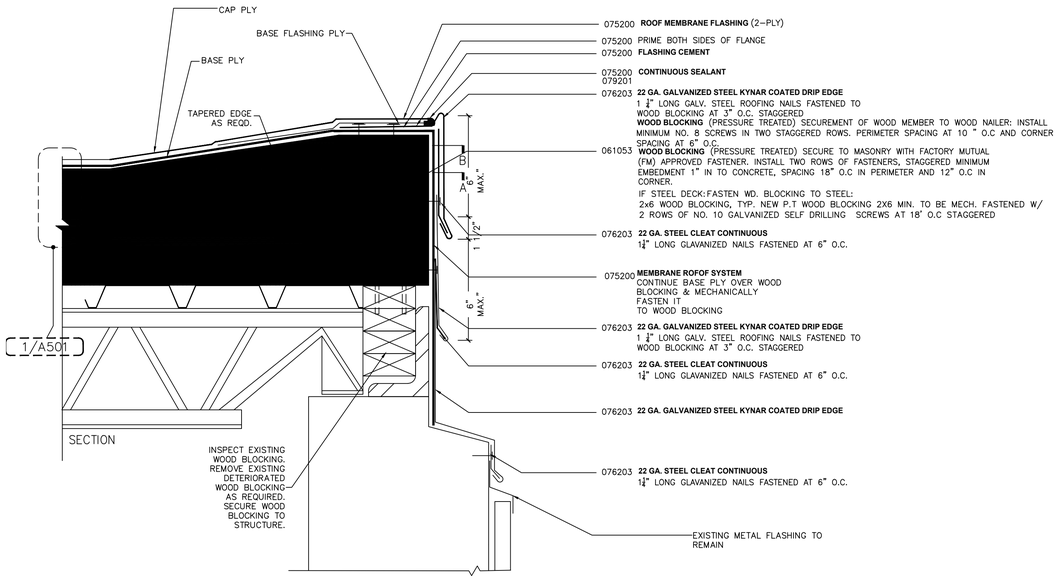
DETAIL A: METAL FASCIA ANCHORAGE

SCALE: NTS



DETAIL B: SPLICE DETAIL

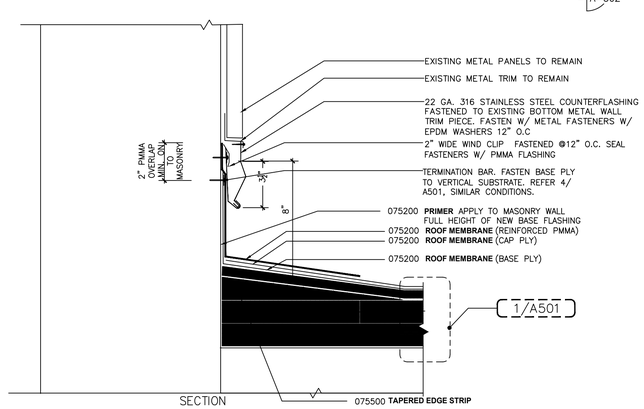
SCALE: NTS



DETAIL AT ROOF TRANSITION

SCALE: NTS

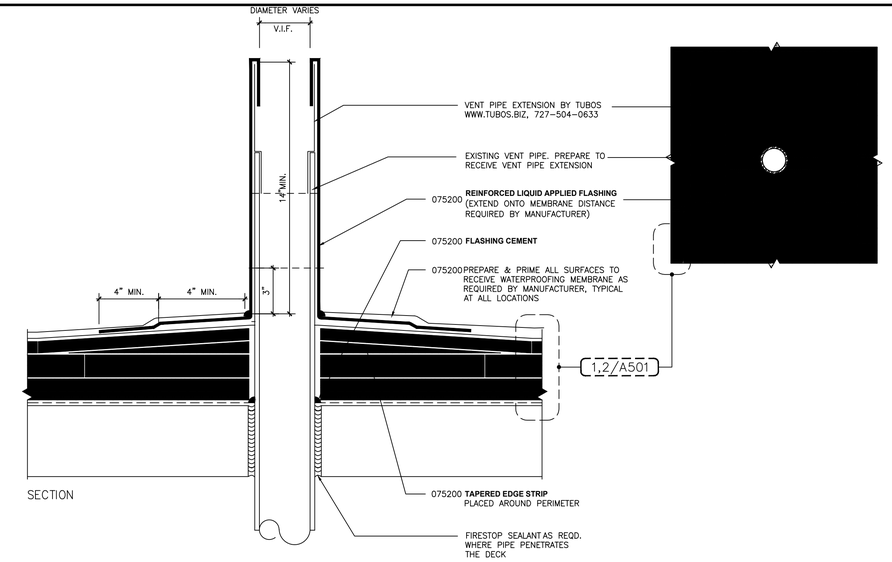
10A – A–502



DETAIL AT ROOF TRANSITION

SCALE: NTS

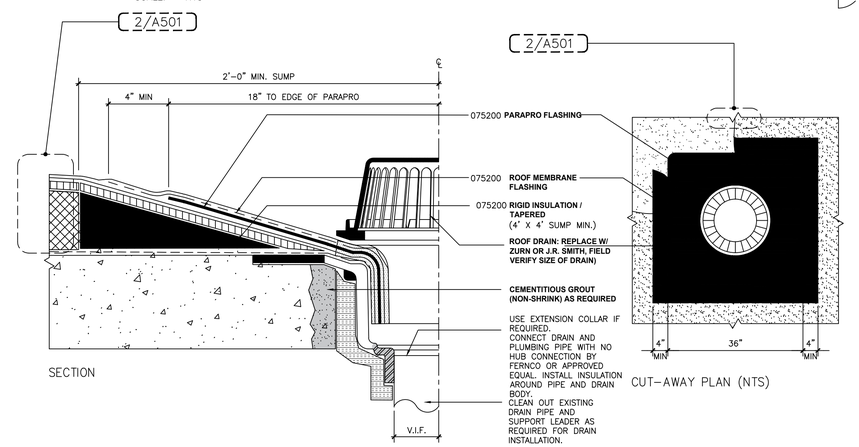
10B – A–502



TYPICAL FLASHING DETAIL AT VENT PIPE EXTENSION

SCALE: NTS

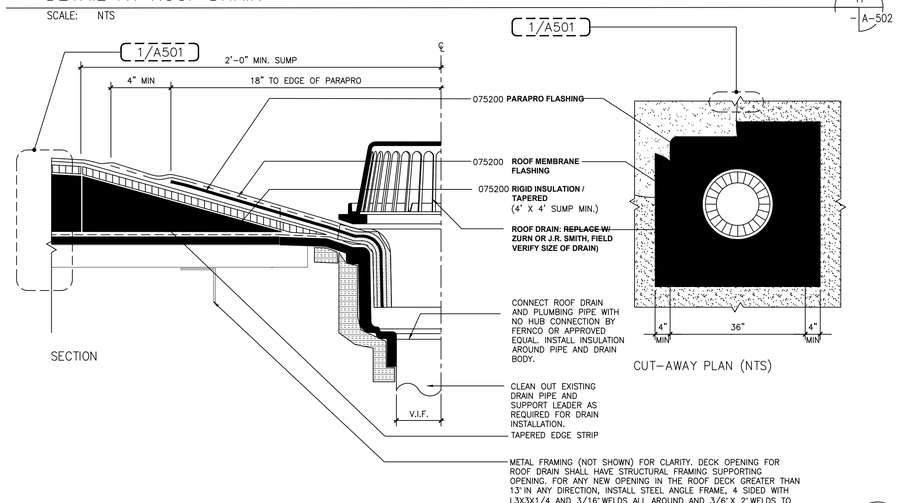
9 – A–502



DETAIL AT ROOF DRAIN

SCALE: NTS

11 – A–502



DETAIL AT ROOF DRAIN

SCALE: NTS

12 – A–502

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Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
PH. (407) 740-6110 FAX. (407) 740-6112

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DAYTONA BEACH, FL 32118

ARCHENGR OF RECORD
Architect
JIM SAIZAN

DESIGNED BY	DRAWN BY
JES	JMP
ISSUE DATE	AE PROJECT NUMBER
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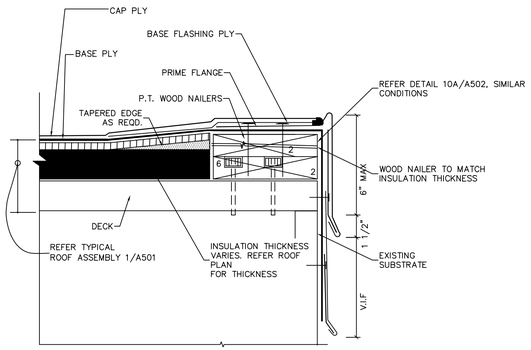
SHEET TITLE
ROOF DETAILS

DRAWING NO.
A-502

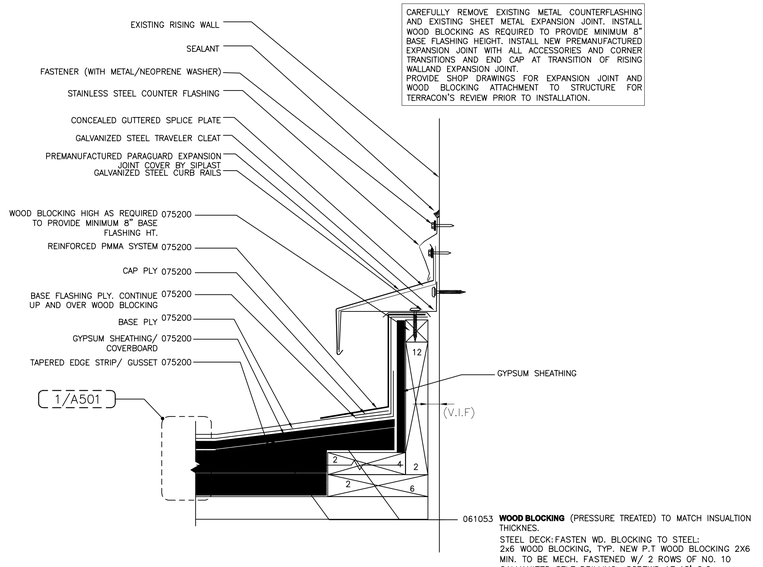


DRIP EDGE DETAIL

SCALE: NTS

15 – A-503

CAREFULLY REMOVE EXISTING METAL COUNTERFLASHING AND EXISTING SHEET METAL EXPANSION JOINT. INSTALL WOOD BLOCKING AS REQUIRED TO PROVIDE MINIMUM 8" BASE FLASHING HEIGHT. INSTALL NEW PREMANUFACTURED EXPANSION JOINT WITH ALL ACCESSORIES AND CORNER TRANSITIONS AND END CAP AT TRANSITION OF RISING WALLAND EXPANSION JOINT.
PROVIDE SHOP DRAWINGS FOR EXPANSION JOINT AND WOOD BLOCKING ATTACHMENT TO STRUCTURE FOR TERRACON'S REVIEW PRIOR TO INSTALLATION.

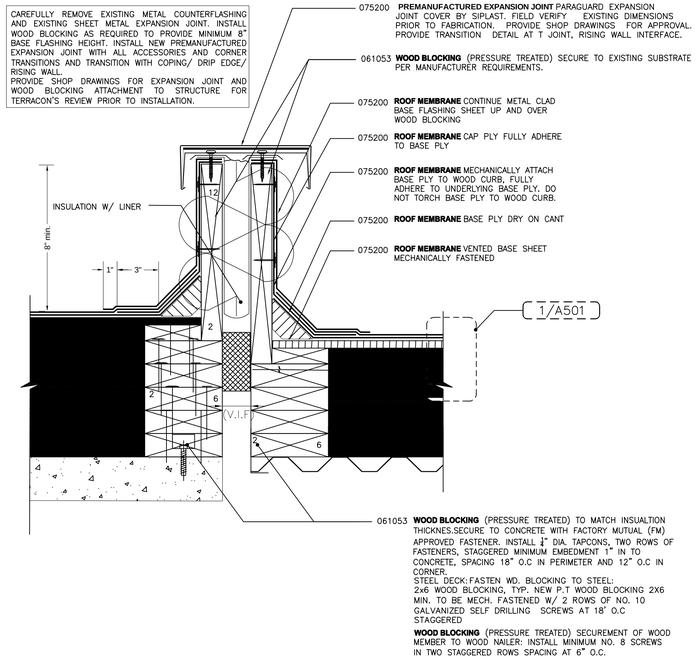


EXPANSION JOINT DETAIL

SCALE: NTS

14 – A-503

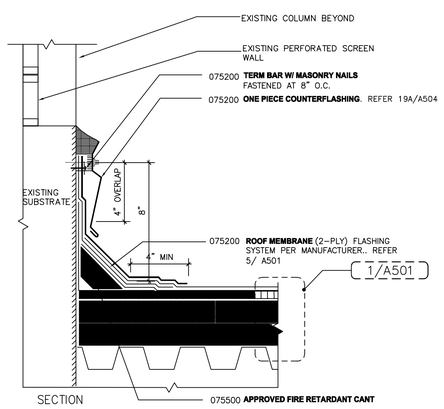
CAREFULLY REMOVE EXISTING METAL COUNTERFLASHING AND EXISTING SHEET METAL EXPANSION JOINT. INSTALL WOOD BLOCKING AS REQUIRED TO PROVIDE MINIMUM 8" BASE FLASHING HEIGHT. INSTALL NEW PREMANUFACTURED EXPANSION JOINT WITH ALL ACCESSORIES AND CORNER TRANSITIONS AND TRANSITION WITH COPING/ DRIP EDGE/ RISING WALL.
PROVIDE SHOP DRAWINGS FOR EXPANSION JOINT AND WOOD BLOCKING ATTACHMENT TO STRUCTURE FOR TERRACON'S REVIEW PRIOR TO INSTALLATION.



EXPANSION JOINT DETAIL

SCALE: NTS

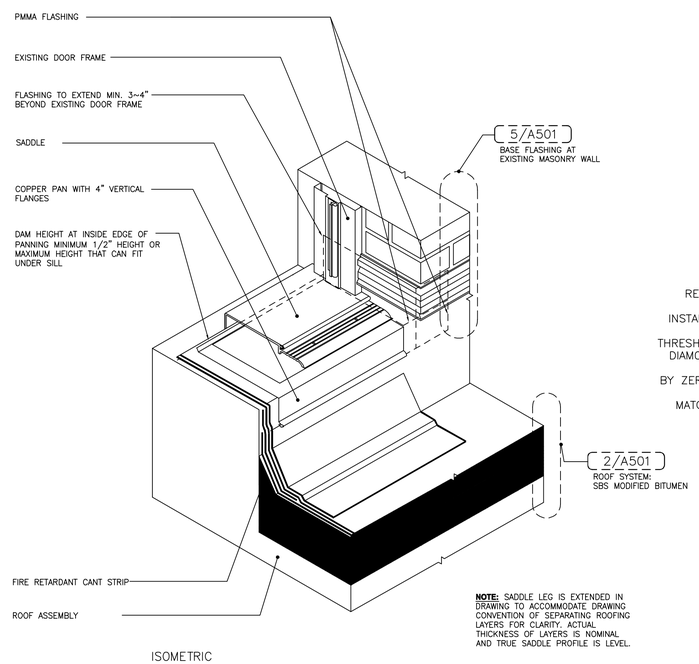
13 – A-503



FLASHING DETAIL @ SCREEN WALL

SCALE: NTS

17 – A-503



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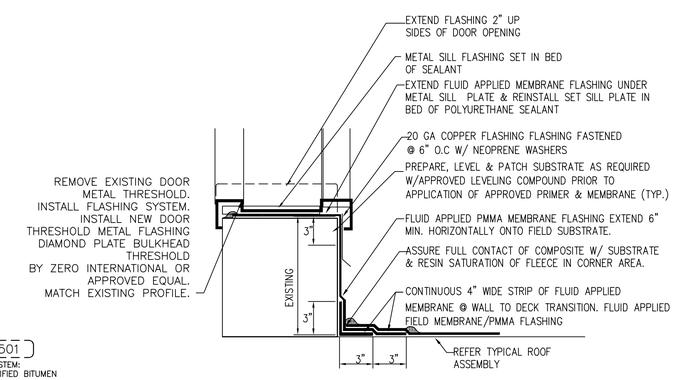

DOOR THRESHOLD FLASHING DETAIL

SCALE: N.T.S.

16 – A-503

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Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
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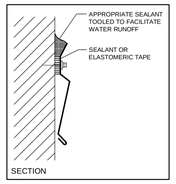
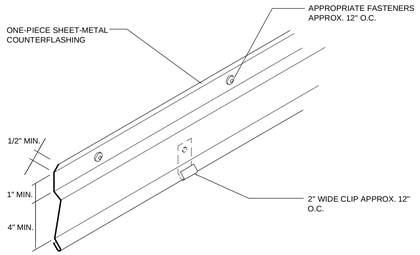
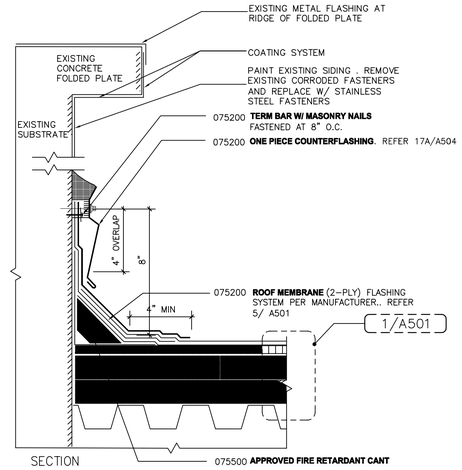




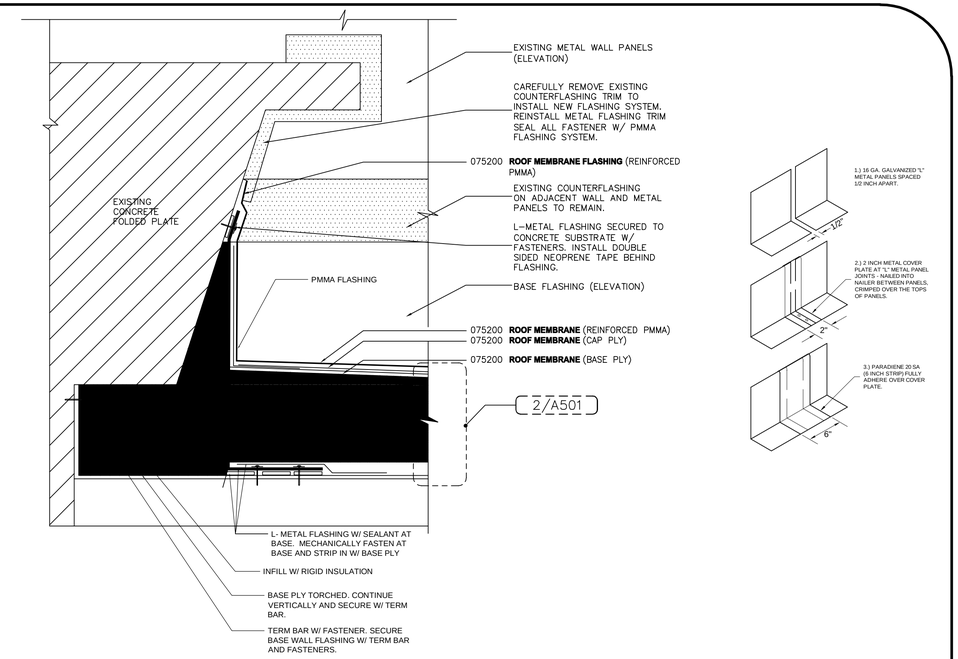
ONE PIECE COUNTERFLASHING DETAIL 19A / A-504

SCALE: NTS



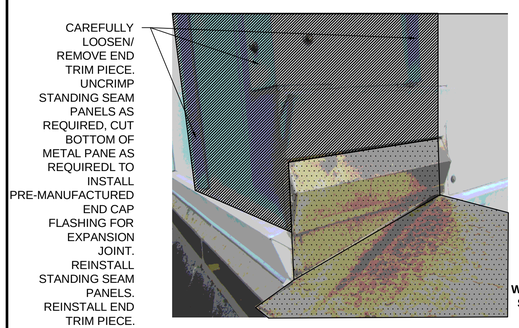
FLASHING DETAIL @ FOLDED PLATE RAKE ELEVATION AND LOW SLOPE ROOF 19 / A-504

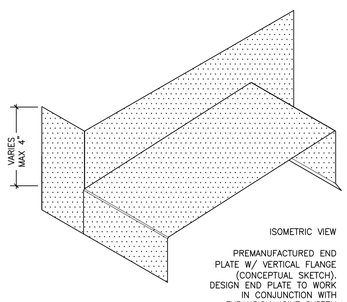
SCALE: NTS



FLASHING DETAIL @ FOLDED PLATE SIDE ELEVATION AND LOW SLOPE ROOF 18 / A-504

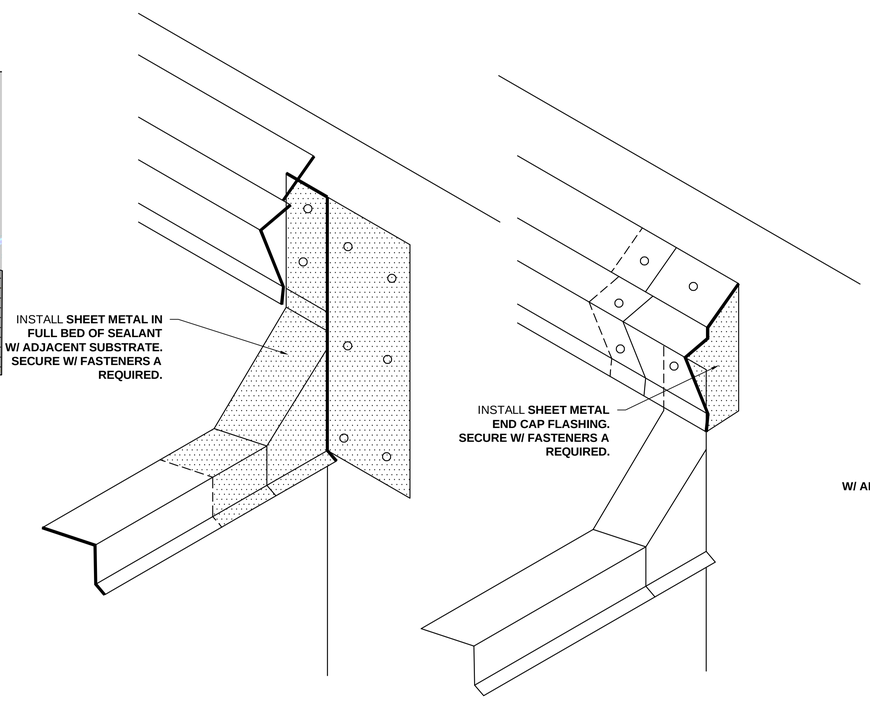
SCALE: NTS





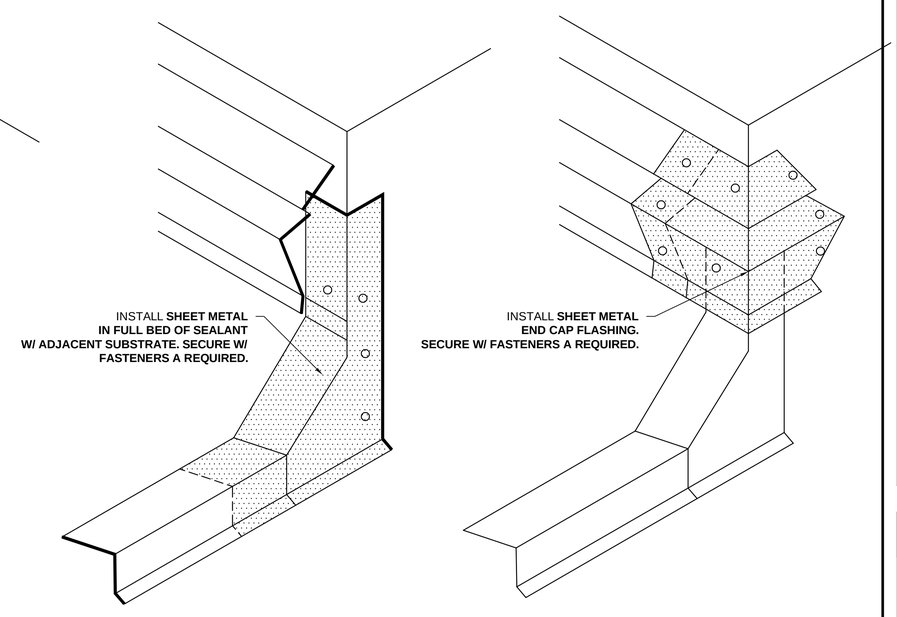
TRANSITION DET. AT WALL AND EXPANSION JT. 22 / A-504

SCALE: NTS



TRANSITION DETAIL AT RISING WALL AND DRIP EDGE 21 / A-504

SCALE: NTS



TRANSITION DETAIL AT RISING WALL AND DRIP EDGE 20 / A-504

SCALE: NTS

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Consulting Engineers and Scientists
1675 LEE ROAD WINTER PARK, FLORIDA 32789
PH. (407) 740-6110 FAX. (407) 740-6112

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SHEET TITLE
ROOF DETAILS

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A-504